

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
 Data File : BF119471.D
 Acq On : 20 Mar 2020 14:44
 Operator : CG/JU
 Sample : L1749-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Manual Integrations
 APPROVED

mohammad
 3/23/2020 9:40:40 AM

Quant Time: Mar 23 04:25:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	329236	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1281428	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	659741	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1250243	20.00	ng	0.00
76) Chrysene-d12	14.03	240	715082	20.00	ng	0.00
87) Perylene-d12	15.50	264	711091	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	2094633	101.28	ng	0.01
7) Phenol-d6	6.48	99	2732547	103.43	ng	0.00
23) Nitrobenzene-d5	7.42	82	1725081	73.16	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	751799	110.46	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3037094	68.20	ng	0.00
79) Terphenyl-d14	12.97	244	3115800	85.37	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	330621	32.367	ng	99
3) Pyridine	3.41	79	822687	29.235	ng	98
4) n-Nitrosodimethylamine	3.36	42	481318	35.074	ng	99
6) Aniline	6.51	93	953098	26.139	ng	99
8) 2-Chlorophenol	6.64	128	902967	41.570	ng	97
9) Benzaldehyde	6.40	77	583628	34.823	ng	98
10) Phenol	6.49	94	1099676m	39.009	ng	
11) bis(2-Chloroethyl)ether	6.59	93	869848	38.580	ng	97
12) 1,3-Dichlorobenzene	6.79	146	901052	38.327	ng	99
13) 1,4-Dichlorobenzene	6.87	146	916942	38.993	ng	100
14) 1,2-Dichlorobenzene	7.03	146	857229	39.000	ng	98
15) Benzyl Alcohol	6.99	79	782023	39.350	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1659065	36.481	ng	99
17) 2-Methylphenol	7.10	107	737106	37.036	ng	98
18) Hexachloroethane	7.37	117	345716	40.117	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	620220	38.948	ng	100
20) 3+4-Methylphenols	7.26	107	878570	36.020	ng	# 85
22) Acetophenone	7.26	105	1161603	37.937	ng	94
24) Nitrobenzene	7.43	77	935424	37.123	ng	99
25) Isophorone	7.67	82	1719123	35.943	ng	100
26) 2-Nitrophenol	7.75	139	473892	47.765	ng	98
27) 2,4-Dimethylphenol	7.79	122	839175	40.906	ng	100
28) bis(2-Chloroethoxy)methane	7.89	93	1094501	38.698	ng	99
29) 2,4-Dichlorophenol	7.99	162	730541	38.756	ng	100
30) 1,2,4-Trichlorobenzene	8.08	180	782951	37.558	ng	99
31) Naphthalene	8.16	128	2499764	37.907	ng	100
32) Benzoic acid	7.91	122	531293	40.261	ng	97
33) 4-Chloroaniline	8.20	127	490906	16.246	ng	98
34) Hexachlorobutadiene	8.28	225	445100	38.162	ng	98
35) Caprolactam	8.58	113	235438m	38.164	ng	
36) 4-Chloro-3-methylphenol	8.69	107	790895	38.389	ng	99
37) 2-Methylnaphthalene	8.86	142	1688343	39.011	ng	99
38) 1-Methylnaphthalene	8.96	142	1590009	38.815	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	721323	37.302	ng	98

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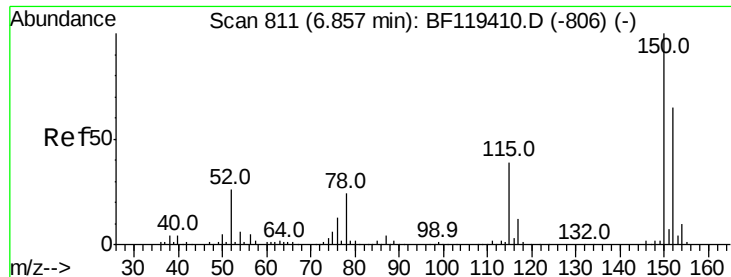
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
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 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	734234	66.787	nq	99
43) 2,4,6-Trichlorophenol	9.13	196	540048	39.025	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	566386	36.536	nq	99
46) 1,1'-Biphenyl	9.32	154	1978691	36.825	nq	98
47) 2-Chloronaphthalene	9.35	162	1558570	37.030	nq	99
48) 2-Nitroaniline	9.44	65	585095	40.275	nq	92
49) Acenaphthylene	9.76	152	2478229	37.495	nq	100
50) Dimethylphthalate	9.62	163	2116237	45.159	nq	98
51) 2,6-Dinitrotoluene	9.68	165	414727	41.289	nq	95
52) Acenaphthene	9.93	154	1628017	39.510	nq	100
53) 3-Nitroaniline	9.85	138	262910	20.733	nq	97
54) 2,4-Dinitrophenol	9.95	184	313739	72.896	nq	93
55) Dibenzofuran	10.11	168	2209965	37.408	nq	98
56) 4-Nitrophenol	10.01	139	739335	73.906	nq	93
57) 2,4-Dinitrotoluene	10.09	165	551028	43.548	nq	96
58) Fluorene	10.45	166	1660108	38.000	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	463623	40.010	nq	98
60) Diethylphthalate	10.33	149	1881459	39.558	nq	99
61) 4-Chlorophenyl-phenylether	10.44	204	802117	37.546	nq	98
62) 4-Nitroaniline	10.46	138	411259	33.820	nq	97
63) Azobenzene	10.60	77	1781995	37.206	nq	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	226067	43.121	nq	97
66) n-Nitrosodiphenylamine	10.56	169	1548698	37.733	nq	97
67) 4-Bromophenyl-phenylether	10.93	248	530135	37.232	nq	95
68) Hexachlorobenzene	11.00	284	559349	38.383	nq	98
69) Atrazine	11.09	200	467293	41.529	nq	99
70) Pentachlorophenol	11.19	266	621199	72.698	nq	99
71) Phenanthrene	11.42	178	2496077	38.503	nq	100
72) Anthracene	11.46	178	2516445	38.193	nq	100
73) Carbazole	11.62	167	2323966	35.635	nq	98
74) Di-n-butylphthalate	11.95	149	2894497	41.490	nq	98
75) Fluoranthene	12.60	202	2588844	36.899	nq	98
77) Benzidine	12.72	184	1381397	45.647	nq	98
78) Pyrene	12.83	202	2558464	43.596	nq	100
80) Butylbenzylphthalate	13.45	149	1179379	49.688	nq	99
81) Benzo(a)anthracene	14.02	228	1749826	37.630	nq	99
82) 3,3'-Dichlorobenzidine	13.98	252	612961	33.432	nq	97
83) Chrysene	14.06	228	1787118	37.239	nq	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	1498499	52.960	nq	99
85) Di-n-octyl phthalate	14.63	149	2391107	48.050	nq	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	1969595	43.577	nq	98
88) Benzo(b)fluoranthene	15.07	252	1749995	36.841	nq	98
89) Benzo(k)fluoranthene	15.10	252	1589443	35.141	nq	98
90) Benzo(a)pyrene	15.44	252	1567489	36.311	nq	98
91) Dibenzo(a,h)anthracene	17.00	278	1631675	43.214	nq	99
92) Benzo(g,h,i)perylene	17.43	276	1718777	45.312	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

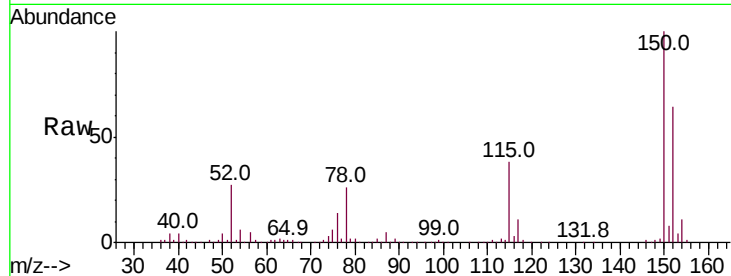
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.9	185.9
115	59.0	47.8	71.6

Manual Integrations
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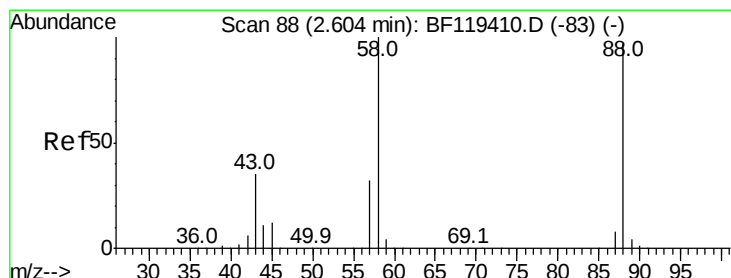
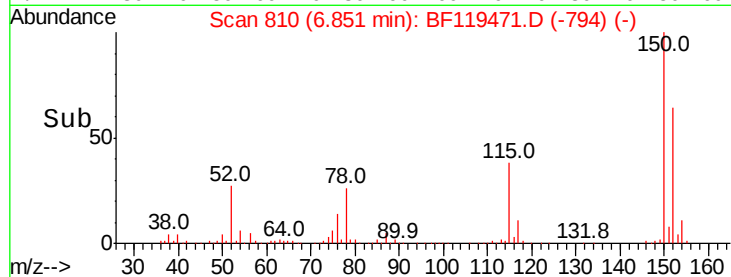
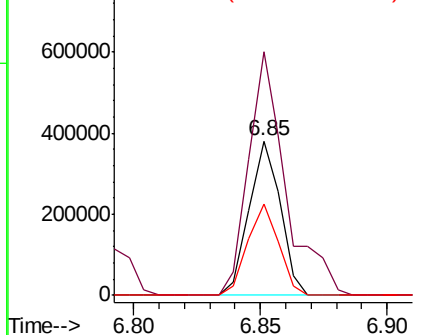


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

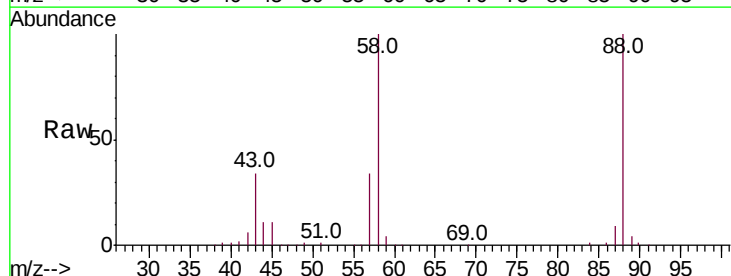
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 32.367 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.06 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.0	79.4	119.2
43	35.0	28.4	42.6

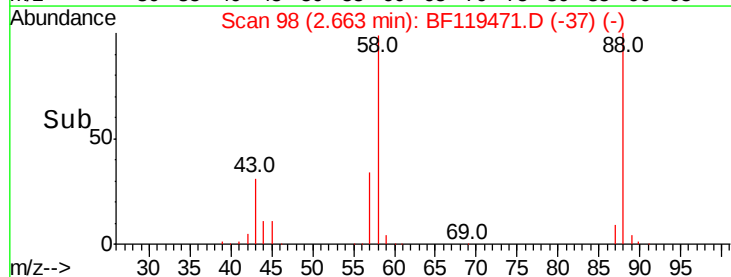
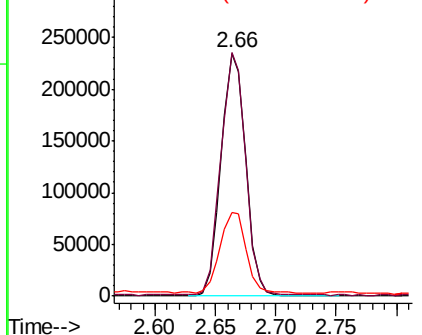


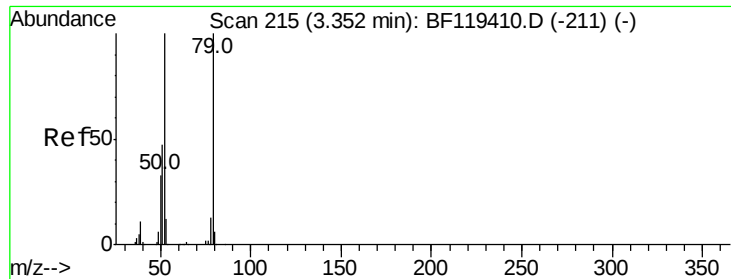
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





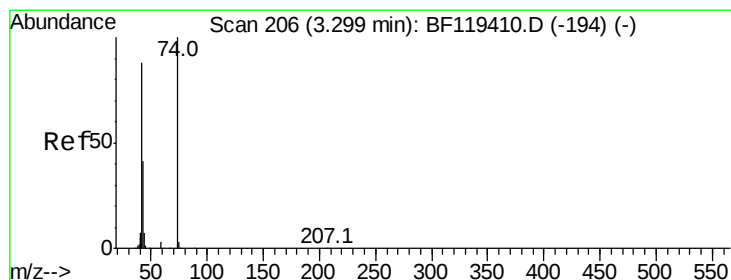
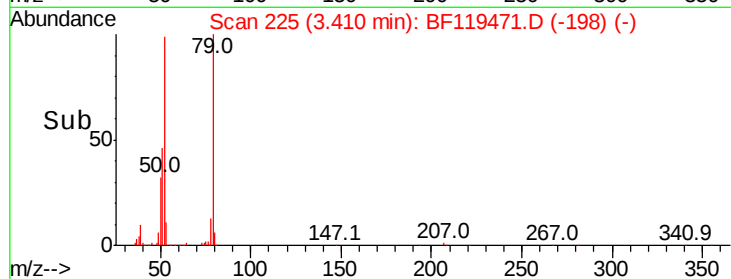
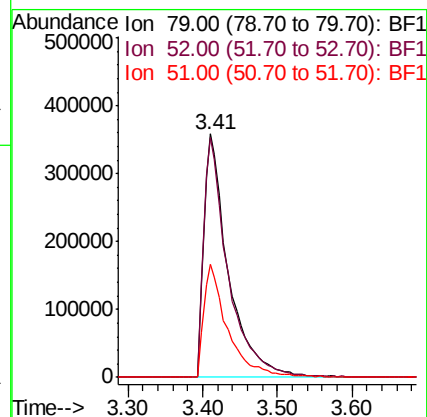
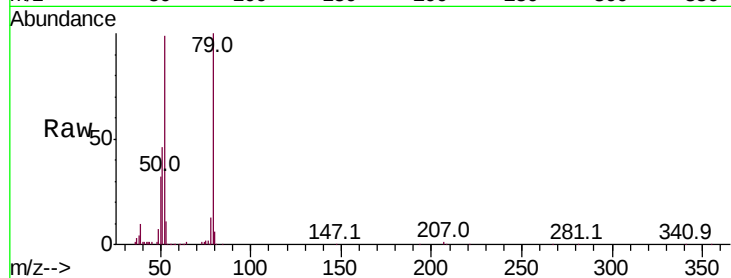
#3
 Pvridine
 Concen: 29.235 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.06 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	98.6	80.0	120.0
51	46.3	37.9	56.9

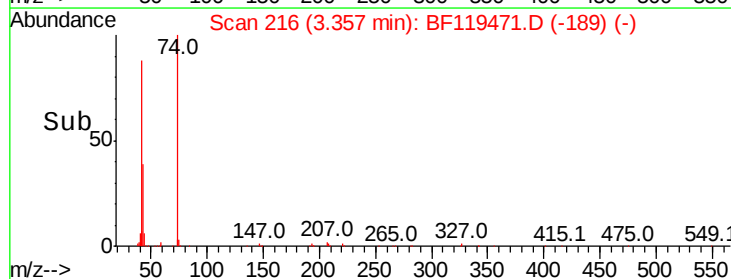
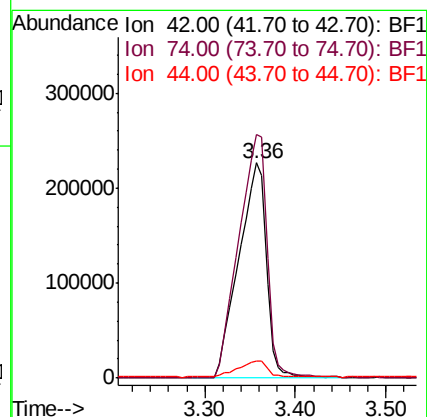
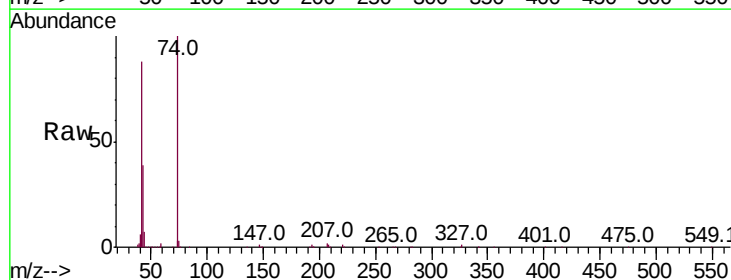
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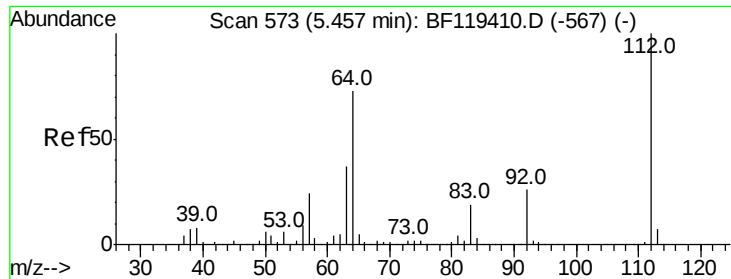
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#4
 n-Nitrosodimethylamine
 Concen: 35.074 ng
 RT: 3.36 min Scan# 216
 Delta R.T. 0.06 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
42	100		
74	113.2	91.3	136.9
44	7.7	7.1	10.7





#5

2-Fluorophenol

Concen: 101.279 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion: 112 Resp: 2094633

Ion Ratio Lower Upper

112 100

64 73.1 58.1 87.1

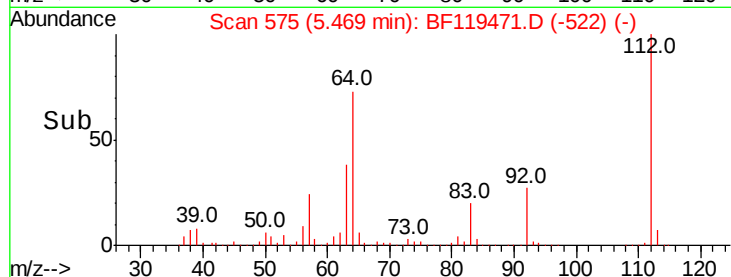
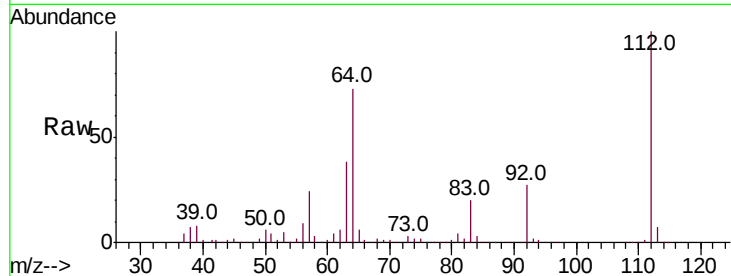
63 38.3 29.7 44.5

Manual Integrations

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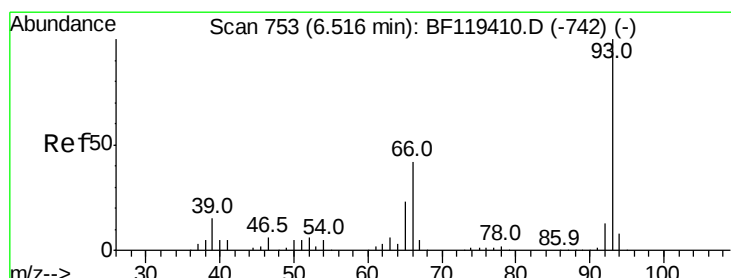
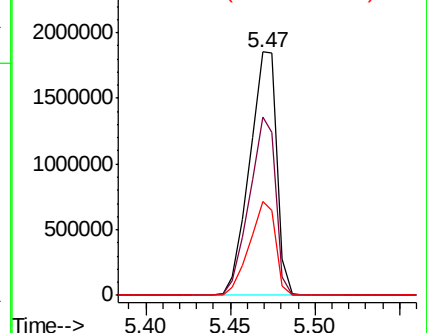
3/23/2020 9:40:40 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.139 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

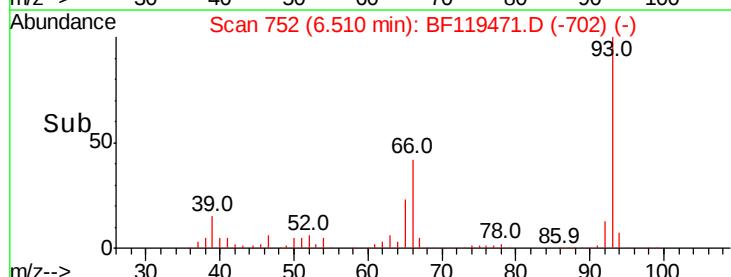
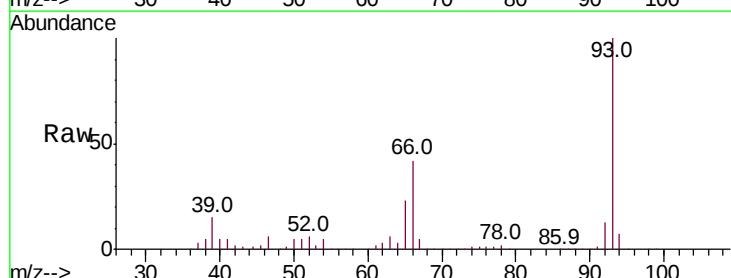
Tgt Ion: 93 Resp: 953098

Ion Ratio Lower Upper

93 100

66 42.2 34.2 51.4

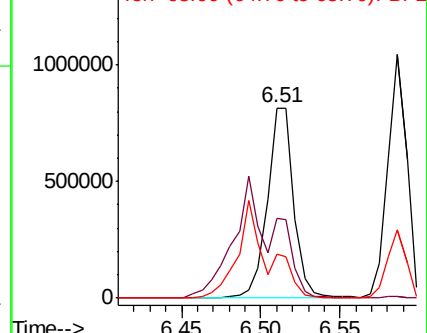
65 22.8 18.2 27.4

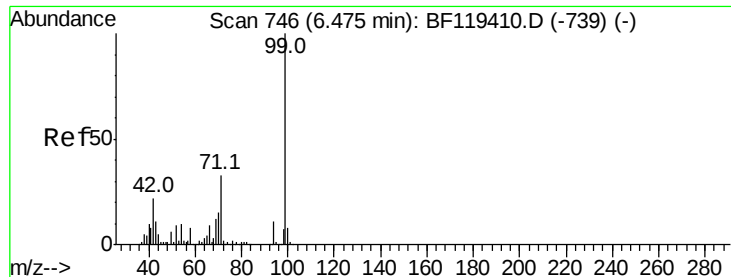


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.429 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion: 99 Resp: 2732547

Ion Ratio Lower Upper

99 100

42 21.1 17.8 26.6

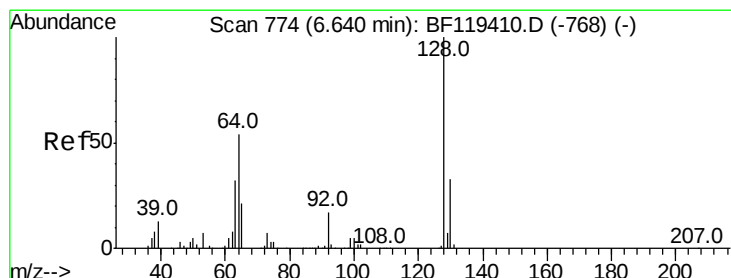
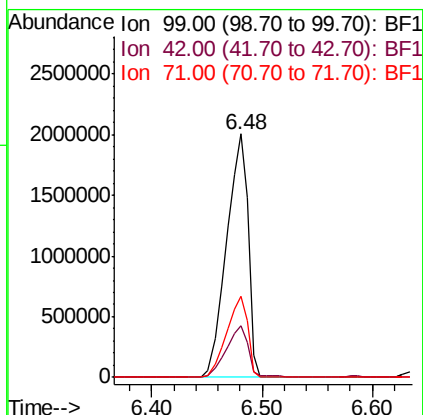
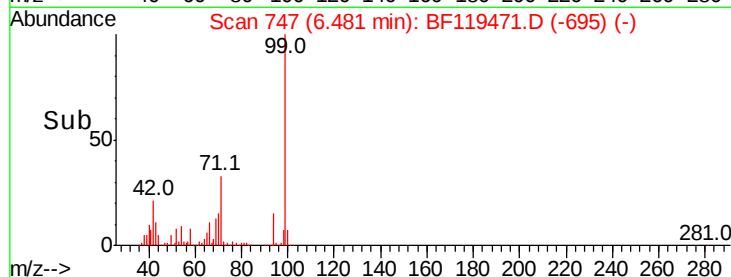
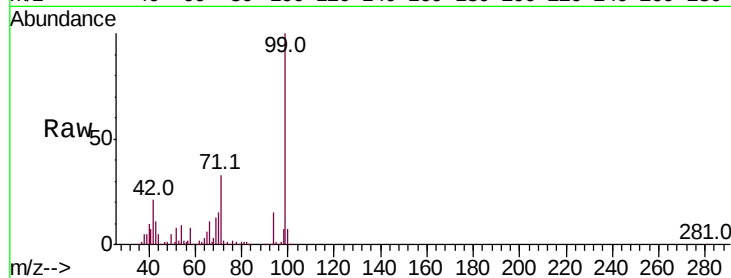
71 33.5 26.0 39.0

Manual Integrations

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#8

2-Chlorophenol

Concen: 41.570 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

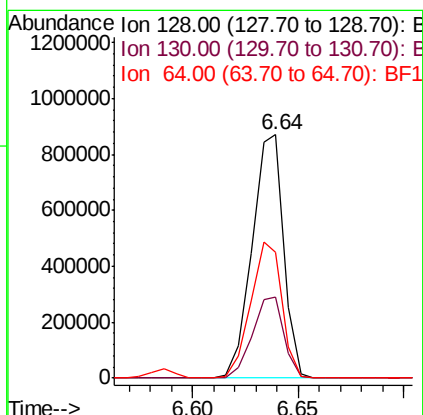
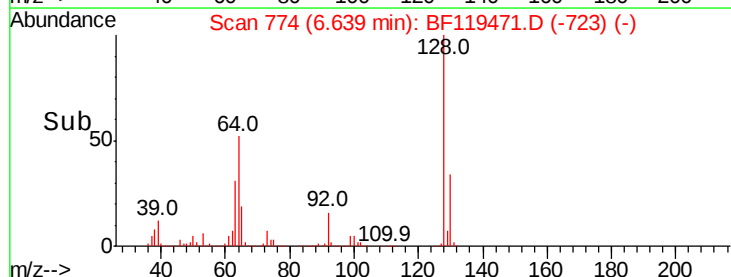
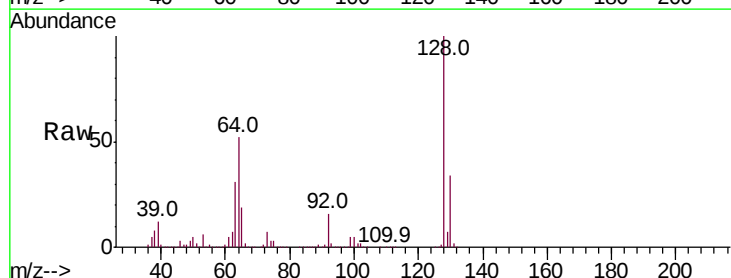
Tgt Ion: 128 Resp: 902967

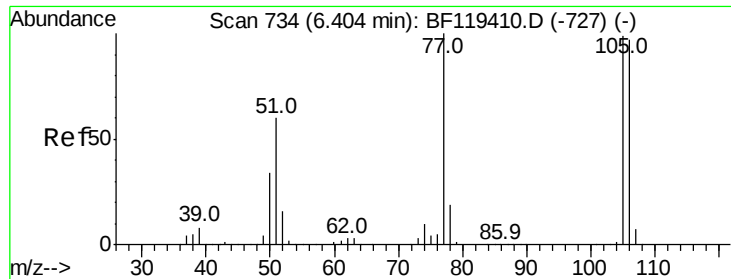
Ion Ratio Lower Upper

128 100

130 33.5 13.0 53.0

64 51.8 35.1 75.1





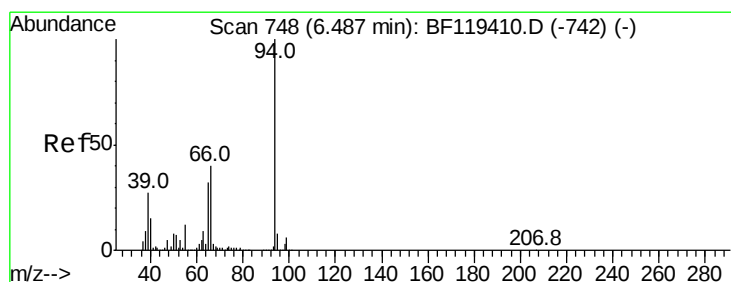
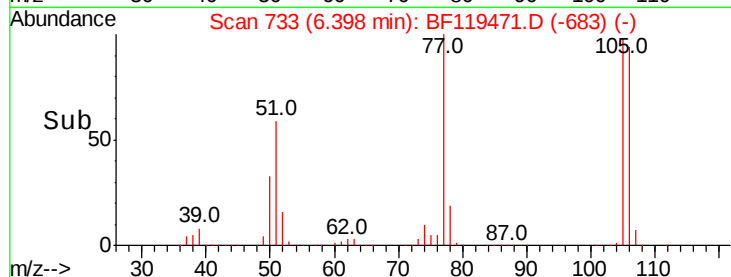
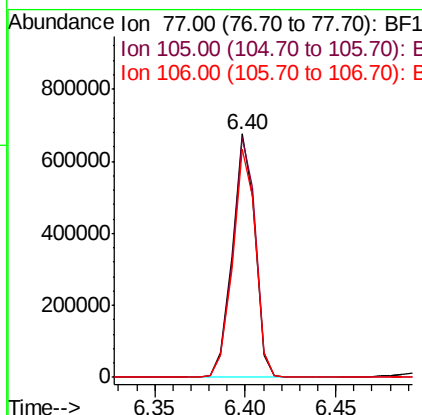
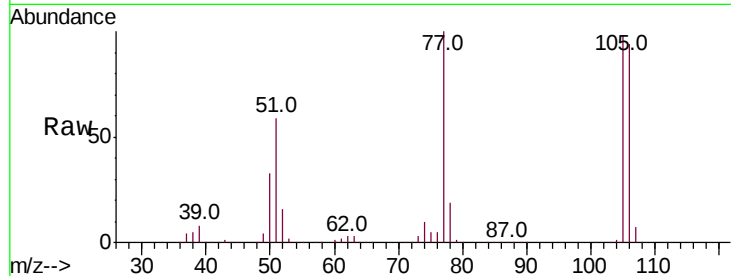
#9
Benzaldehyde
Concen: 34.823 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.4	78.6	118.6
106	93.7	76.5	116.5

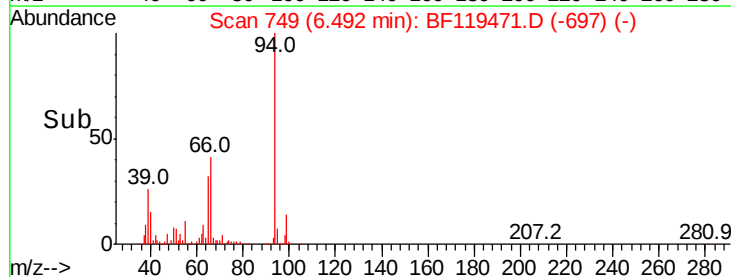
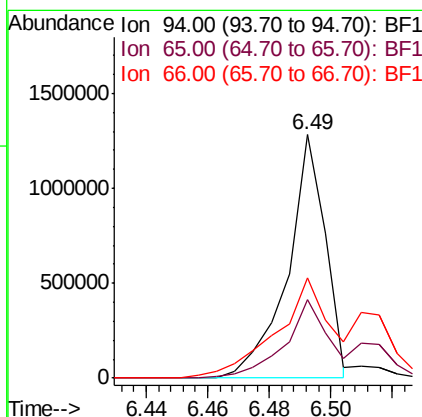
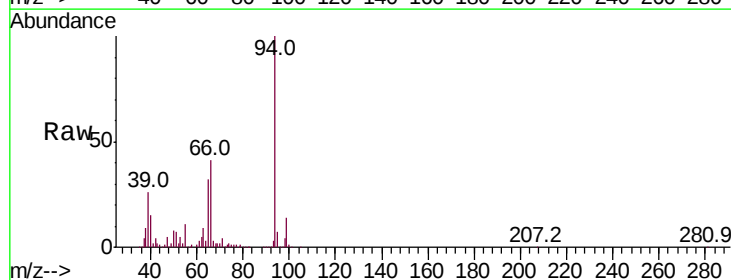
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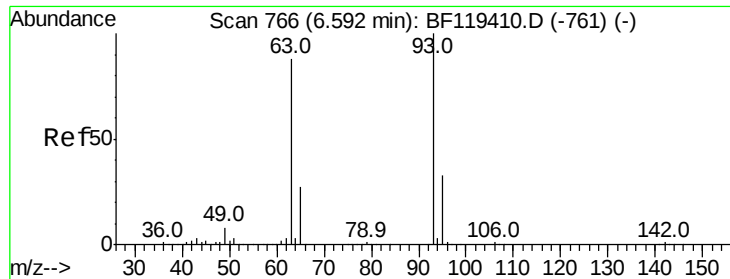
mohammad
3/23/2020 9:40:40 AM



#10
Phenol
Concen: 39.009 ng m
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.5	12.0	52.0
66	41.0	20.6	60.6





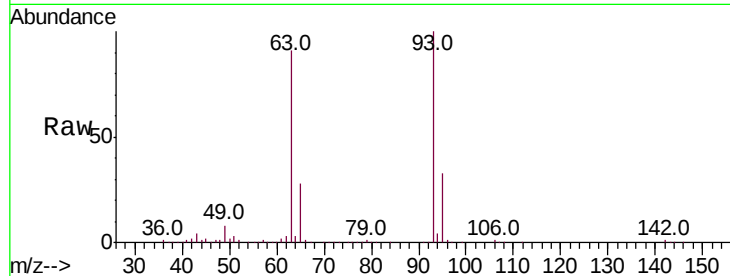
#11
bis(2-Chloroethyl)ether
Concen: 38.580 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

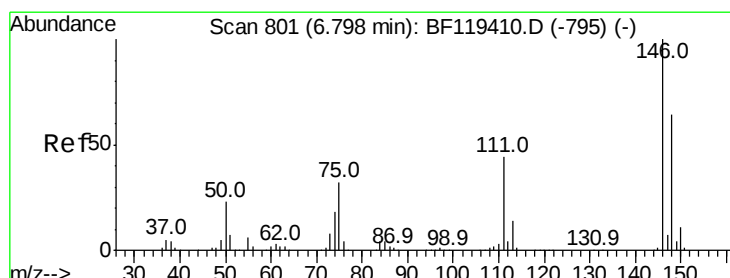
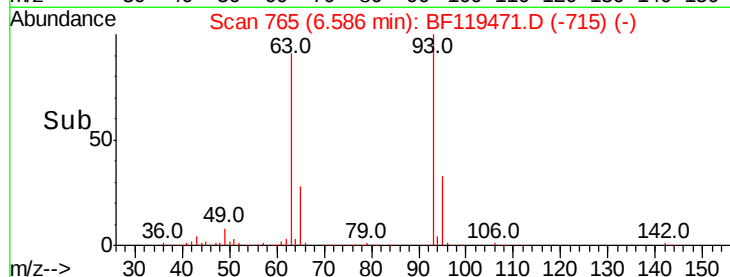
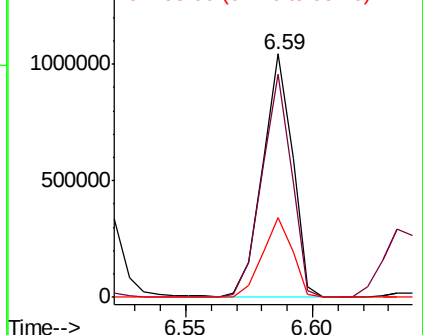
Tot Ion	Ratio	Lower	Upper
93	100		
63	91.5	68.4	108.4
95	32.9	13.4	53.4

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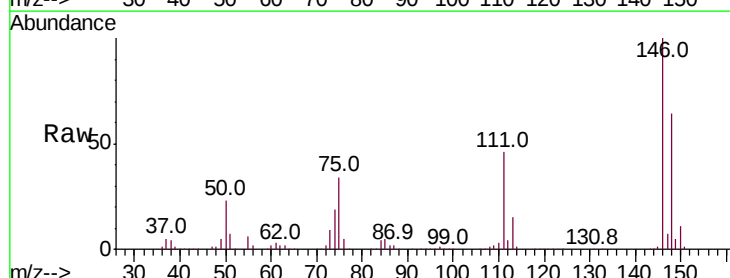


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

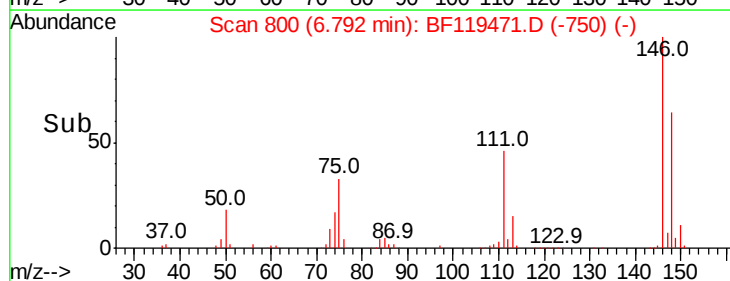
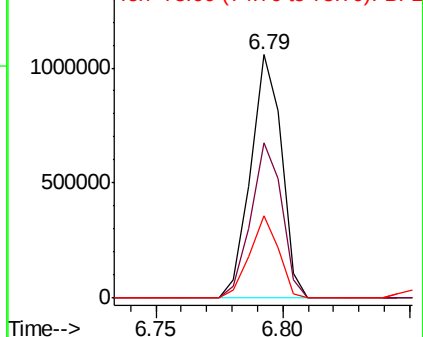


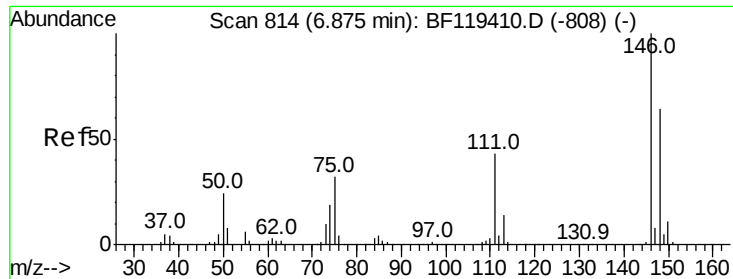
#12
1,3-Dichlorobenzene
Concen: 38.327 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
75	33.7	25.8	38.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 38.993 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

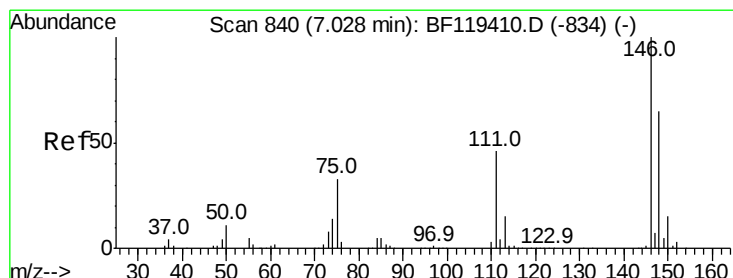
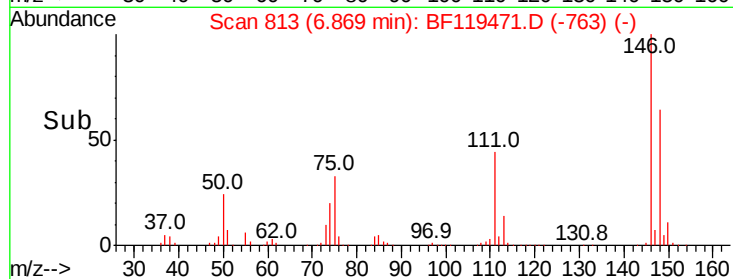
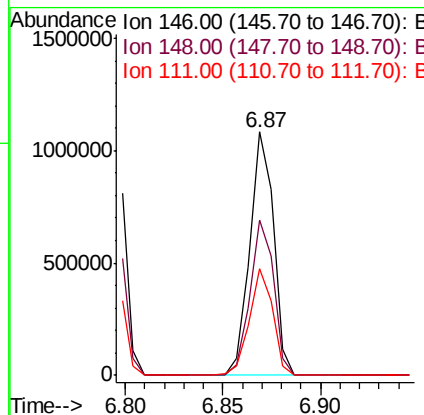
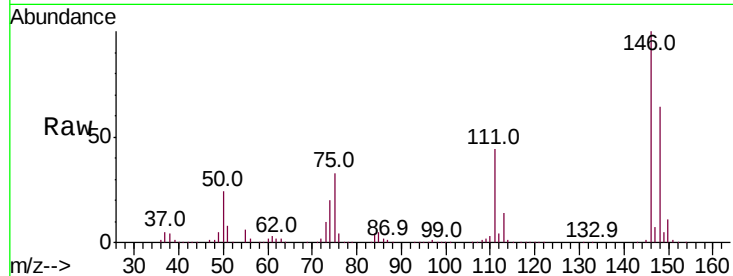
ClientSampleId :

BU-02-031920MSD

Tot Ion:	146	Resp:	916942
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.9	76.3
111	43.6	34.6	52.0

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#14

1,2-Dichlorobenzene

Concen: 39.000 ng

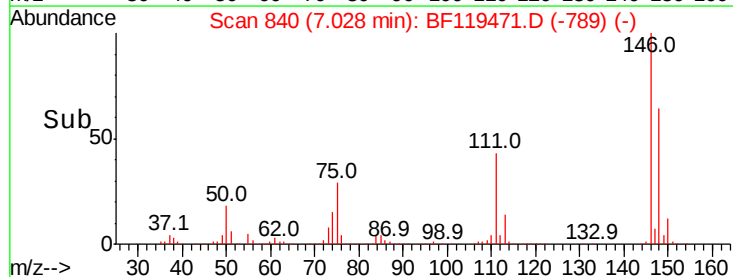
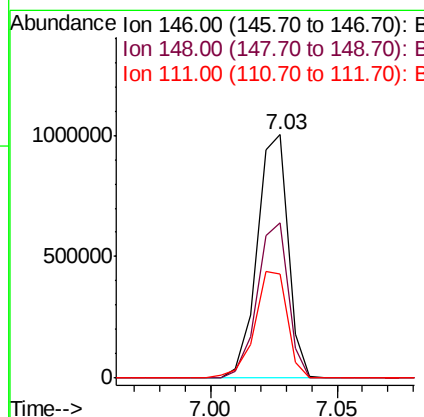
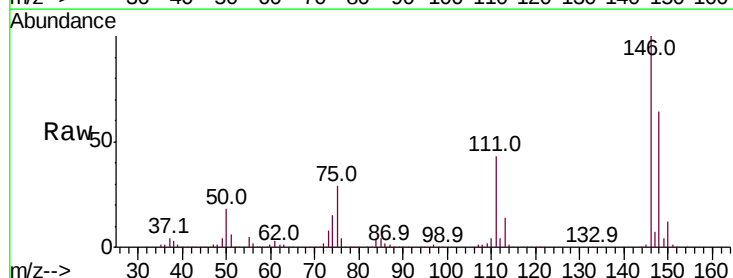
RT: 7.03 min Scan# 840

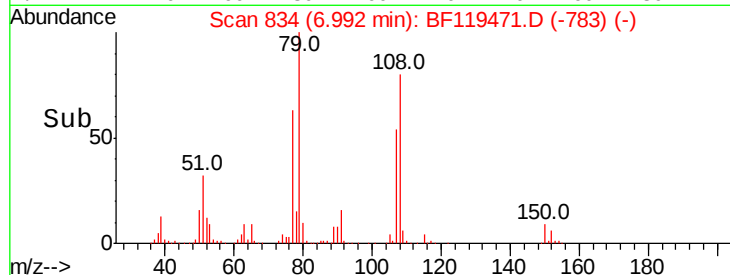
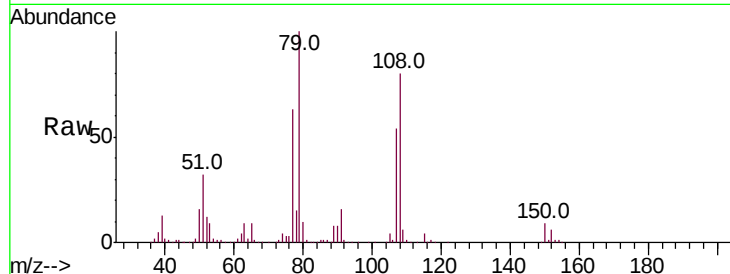
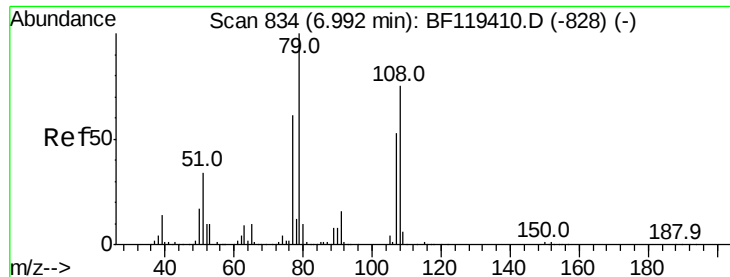
Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Tgt Ion:	146	Resp:	857229
Ion Ratio	Lower	Upper	
146	100		
148	63.7	51.7	77.5
111	42.8	36.4	54.6





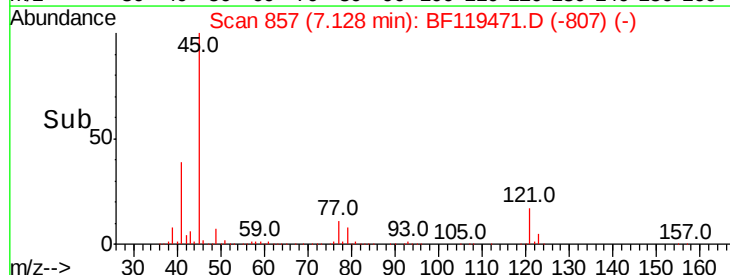
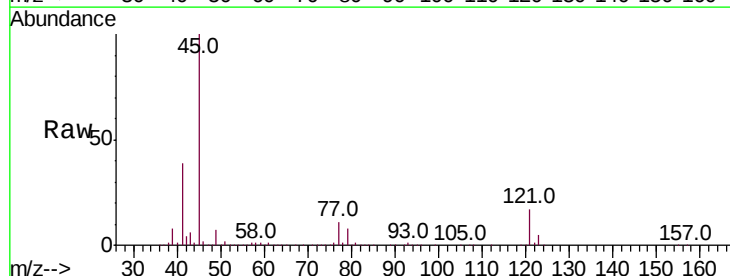
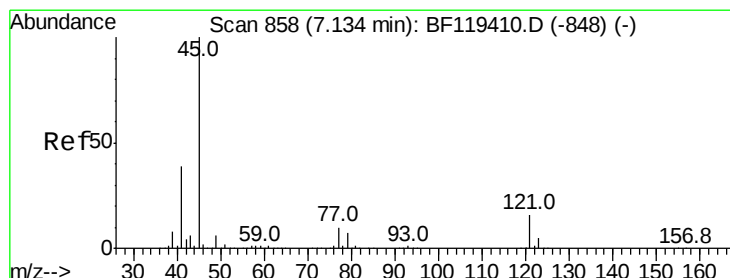
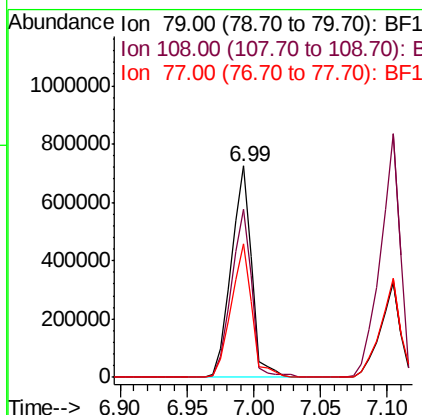
#15
Benzyl Alcohol
Concen: 39.350 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.9	60.4	90.6
77	63.2	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

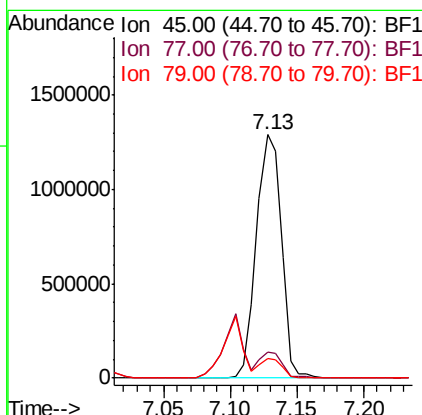
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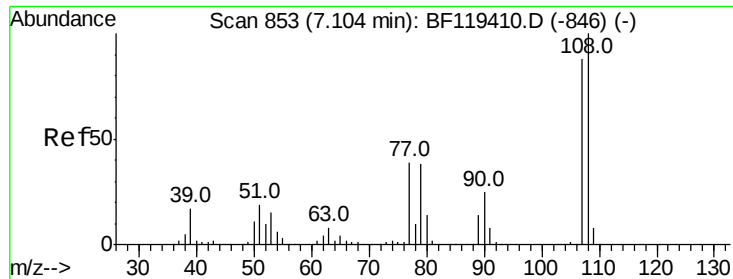
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.481 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.6	0.0	30.1
79	7.8	0.0	27.4





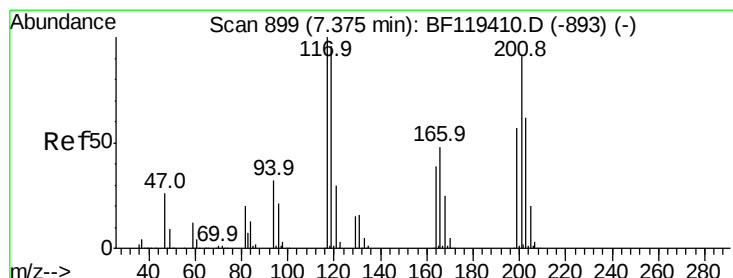
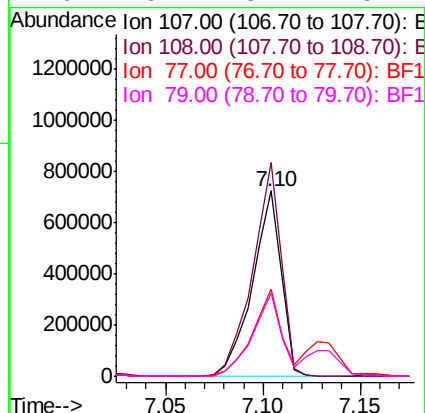
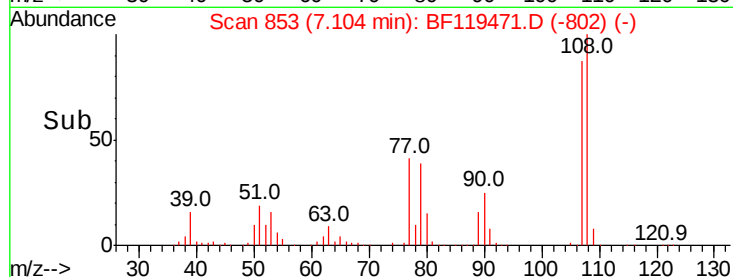
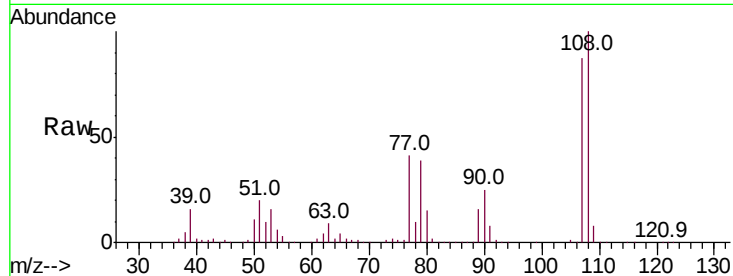
#17
2-Methylphenol
Concen: 37.036 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.7	136.1
77	47.0	35.6	53.4
79	45.1	34.7	52.1

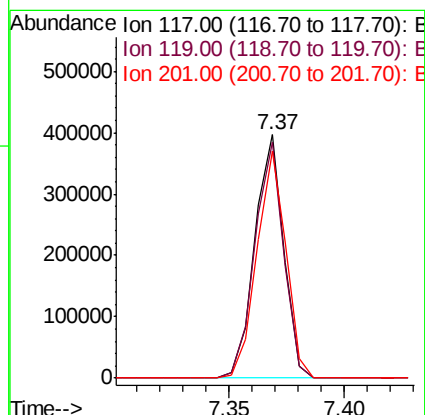
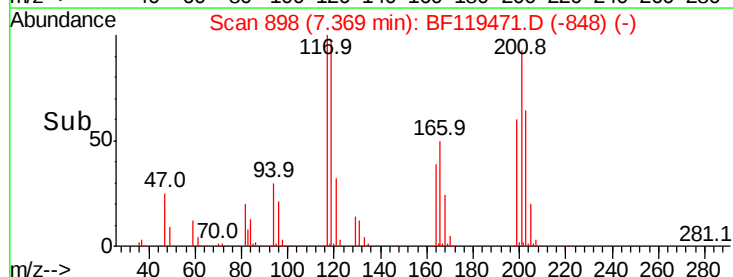
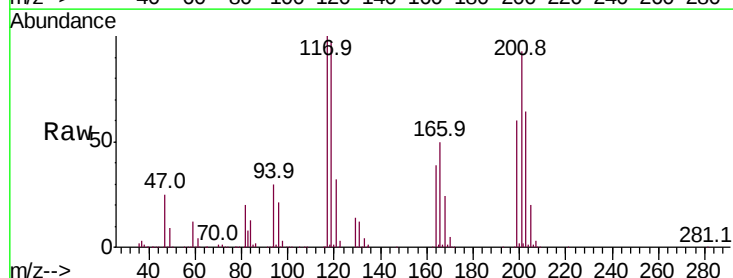
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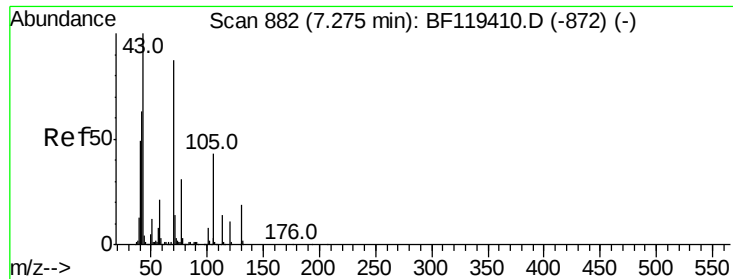
mohammad
3/23/2020 9:40:40 AM



#18
Hexachloroethane
Concen: 40.117 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2
201	93.0	72.5	108.7





#19

n-Nitroso-di-n-propylamine

Concen: 38.948 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion: 70 Resp: 620220

Ion Ratio Lower Upper

70 100

42 72.9 58.2 87.4

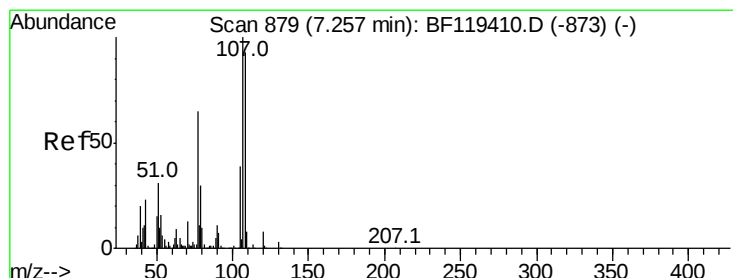
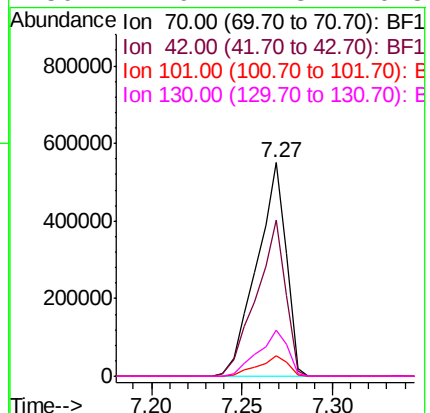
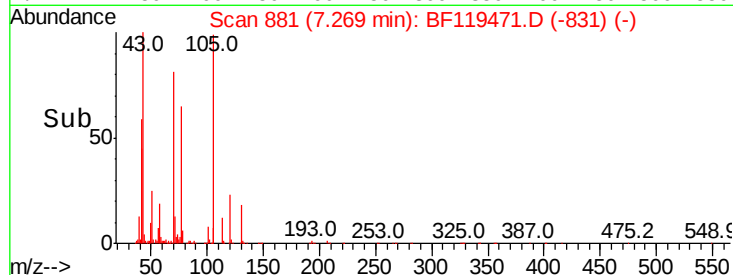
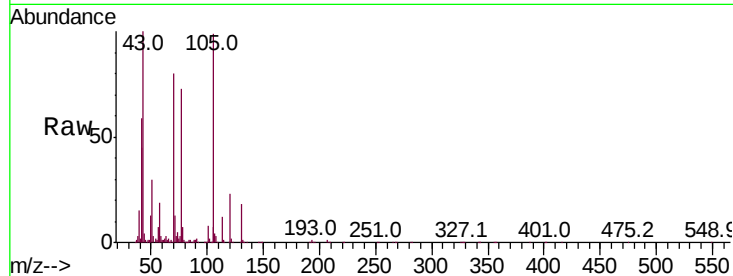
101 9.8 7.4 11.2

130 21.9 17.8 26.8

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#20

3+4-Methylphenols

Concen: 36.020 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Tgt Ion: 107 Resp: 878570

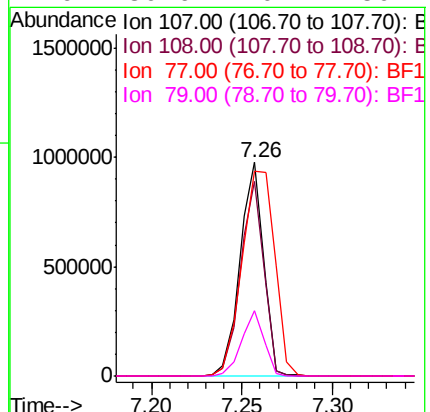
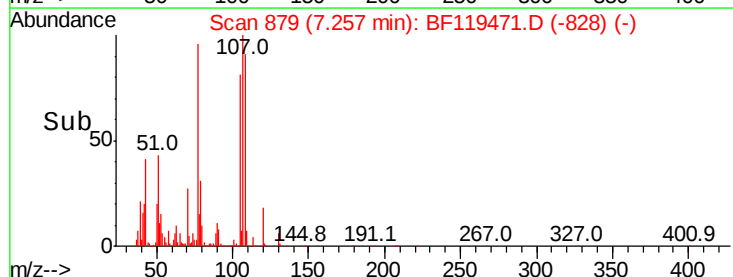
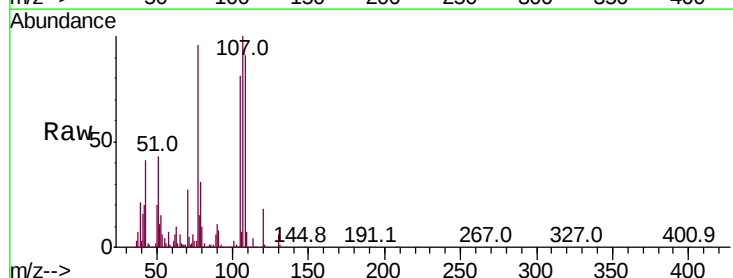
Ion Ratio Lower Upper

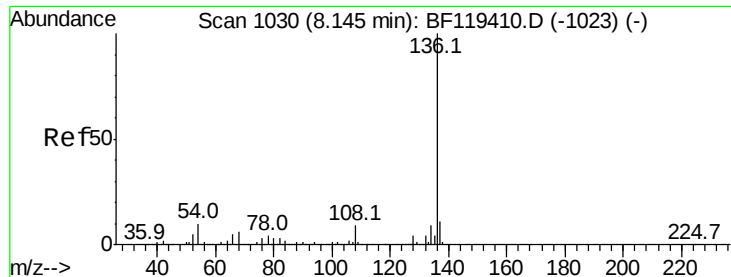
107 100

108 91.3 72.6 112.6

77 96.0 44.7 84.7#

79 30.6 10.2 50.2





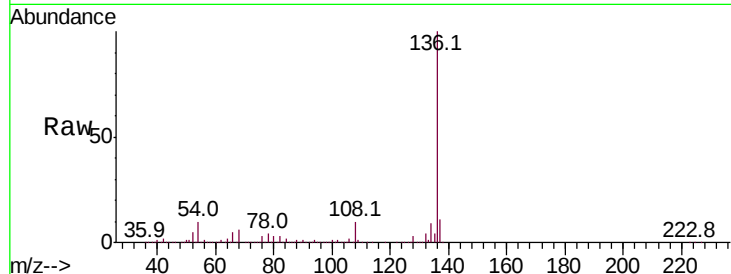
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	136	Resp	1281428
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	10.5	8.3	12.5
68	5.6	4.9	7.3

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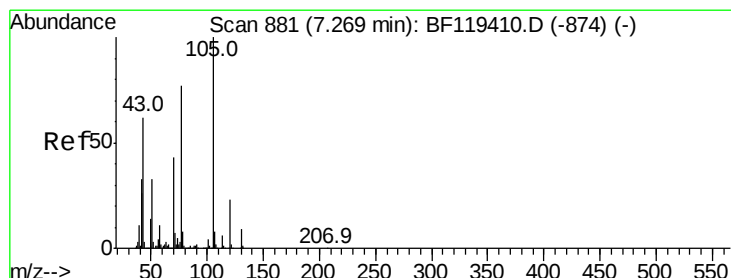
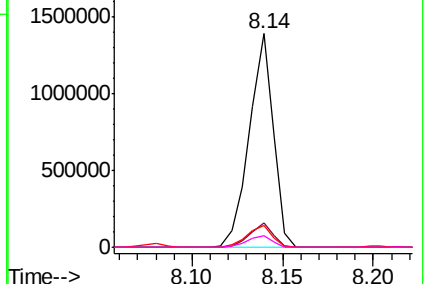
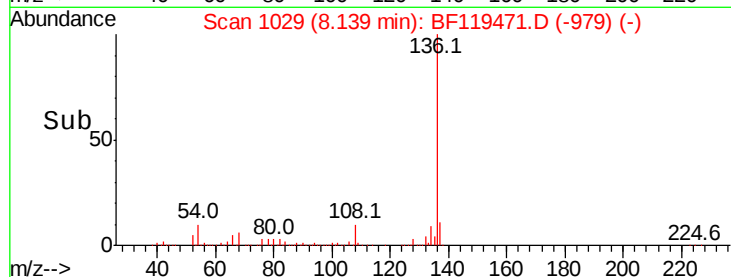
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 37.937 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	105	Resp	1161603
Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.8	8.6
51	38.8	26.8	40.2
120	22.1	18.0	27.0

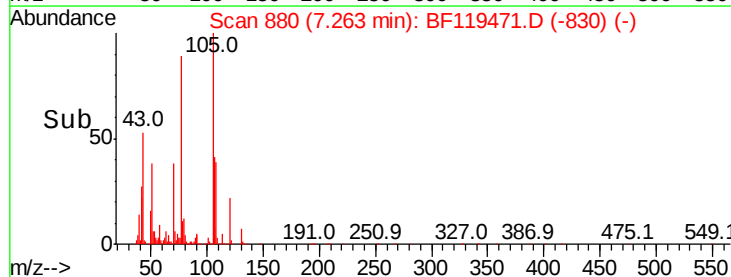
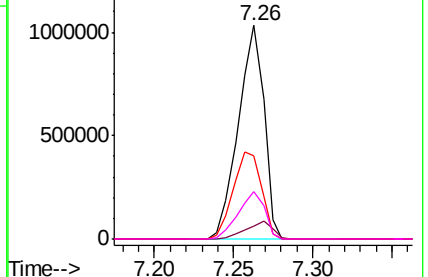
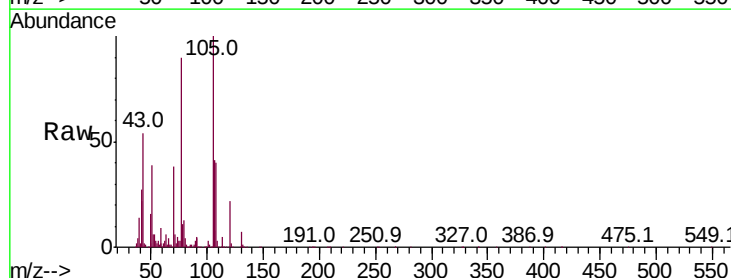
Abundance

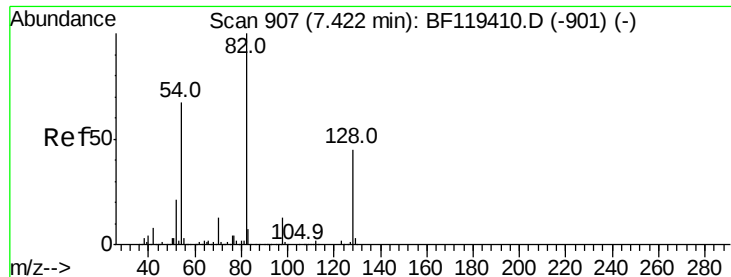
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





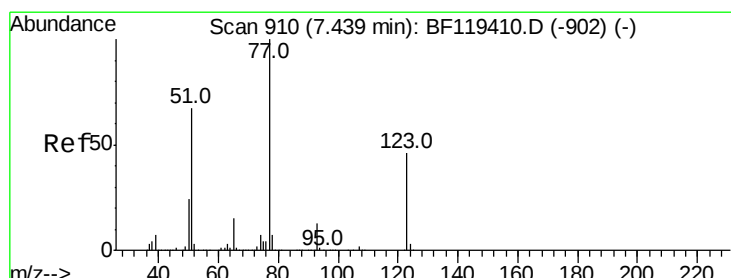
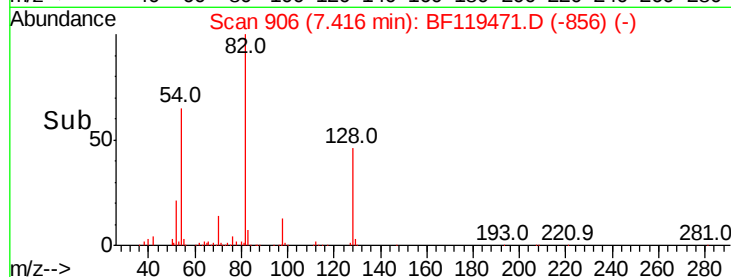
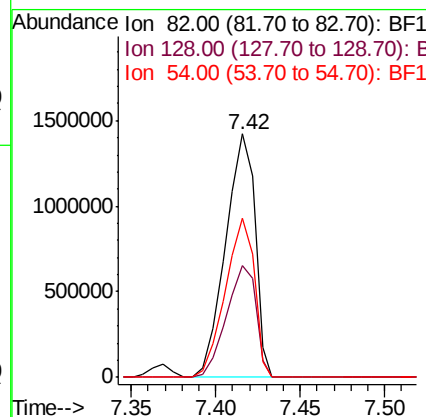
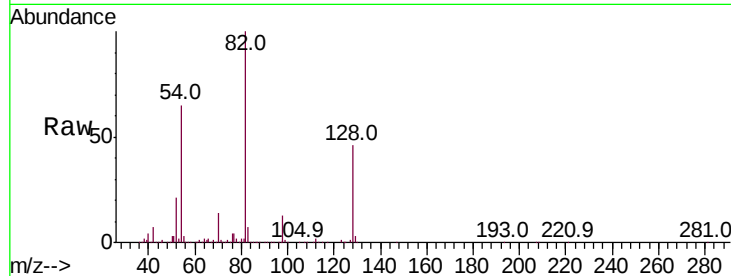
#23
Nitrobenzene-d5
Concen: 73.164 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.8	53.8
54	65.4	53.4	80.0

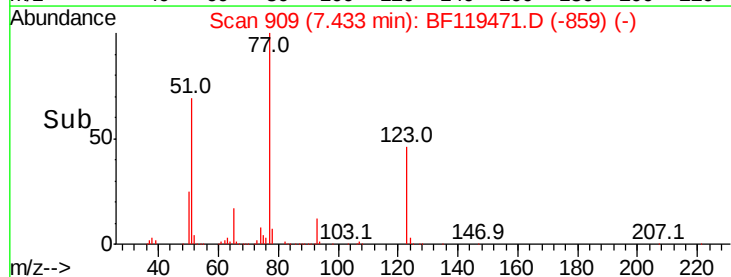
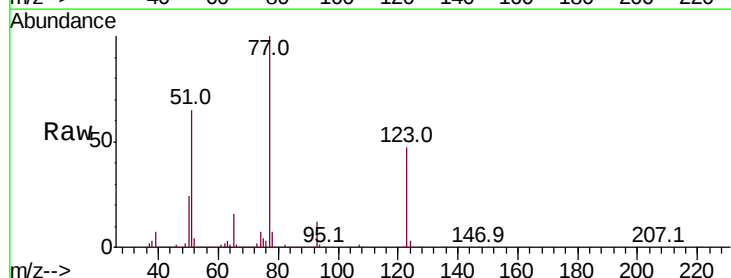
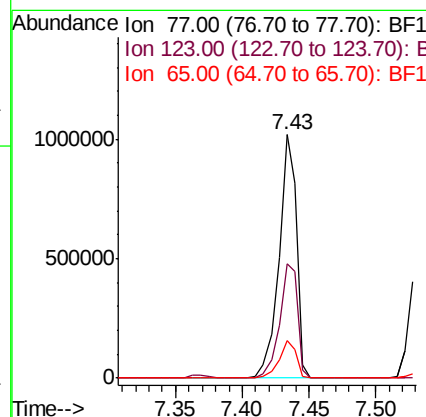
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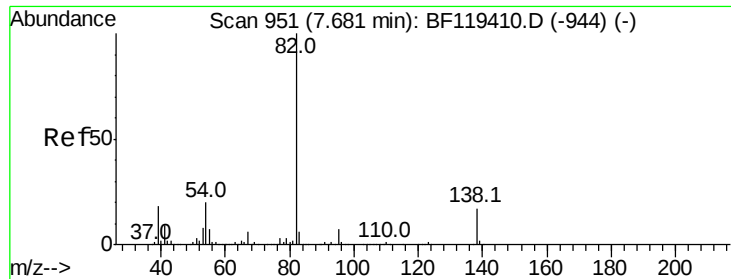
mohammad
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#24
Nitrobenzene
Concen: 37.123 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.7	36.9	55.3
65	15.6	12.2	18.4





#25

Isophorone

Concen: 35.943 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion: 82 Resp: 1719123

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

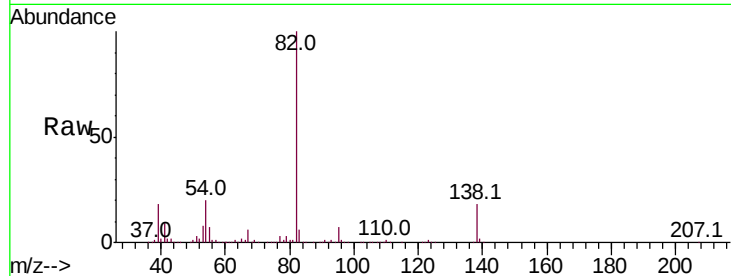
138 17.5 13.8 20.8

Manual Integrations

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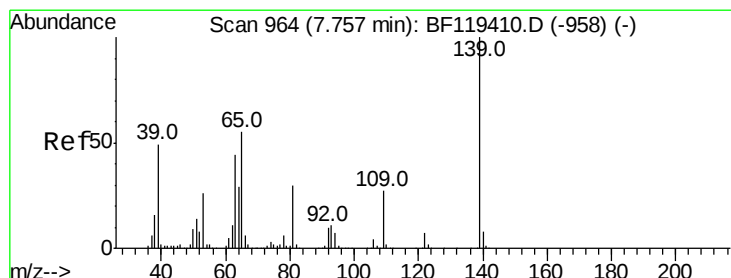
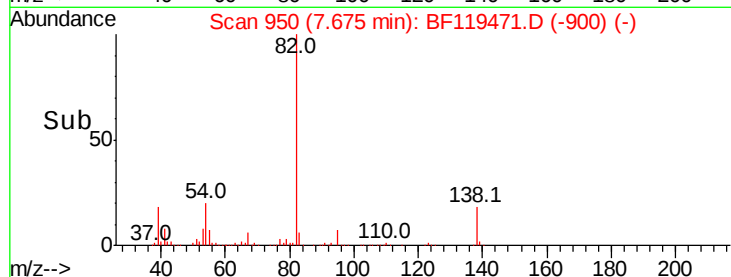
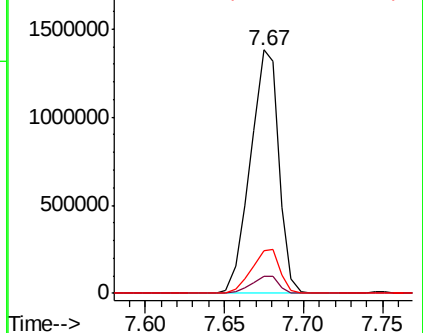
3/23/2020 9:40:40 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.765 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

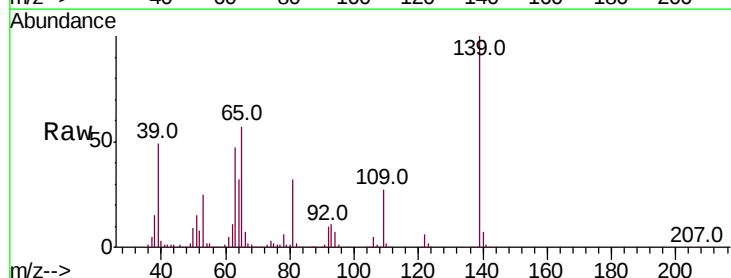
Tgt Ion: 139 Resp: 473892

Ion Ratio Lower Upper

139 100

109 26.6 21.7 32.5

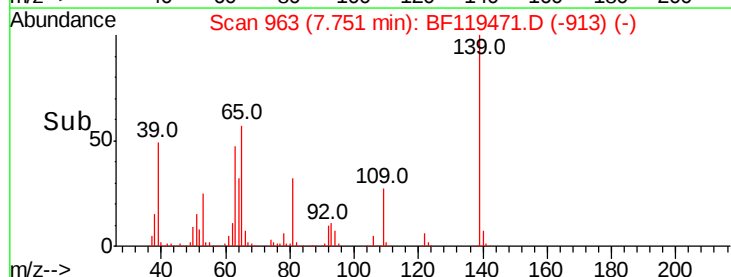
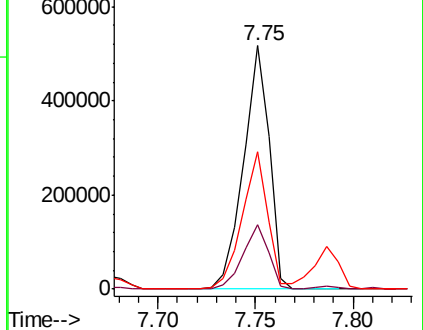
65 56.6 43.9 65.9

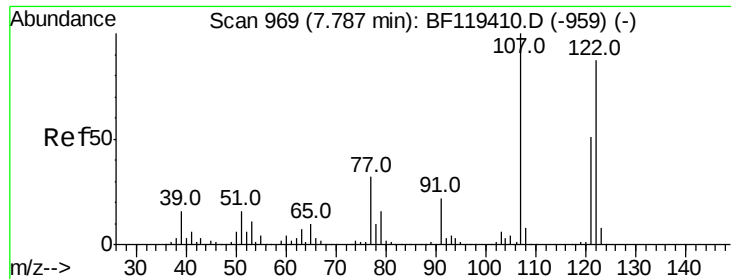


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





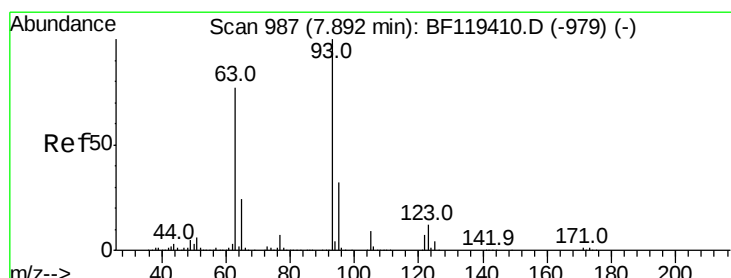
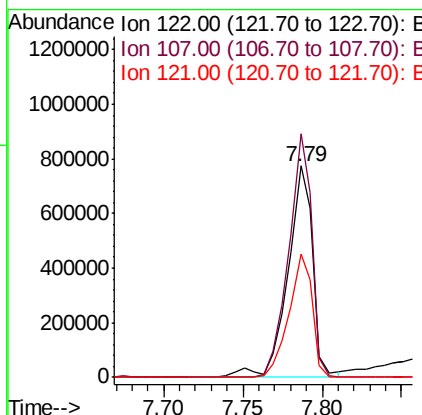
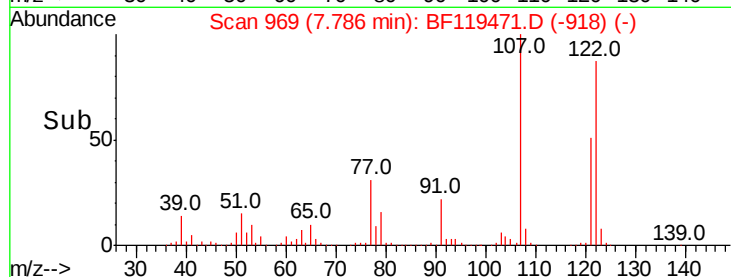
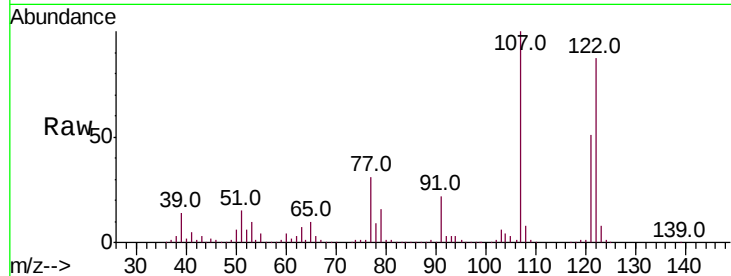
#27
2,4-Dimethylphenol
Concen: 40.906 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.1	91.8	137.6
121	58.4	46.5	69.7

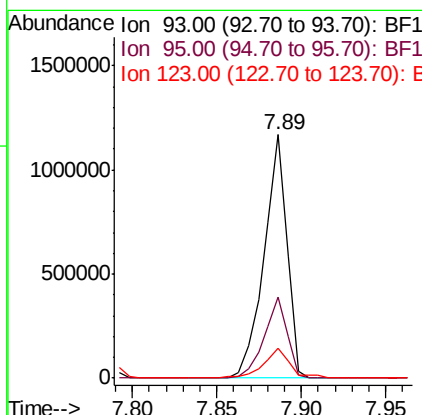
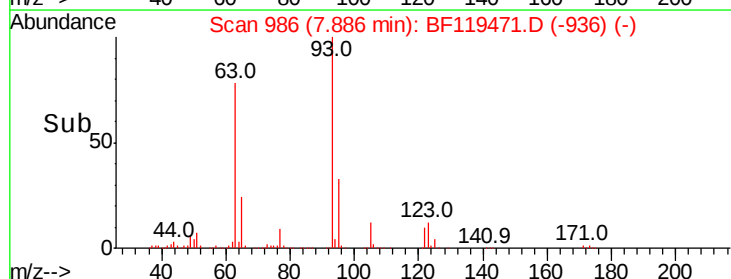
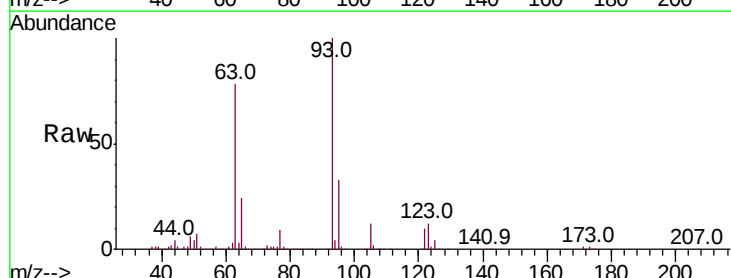
Manual Integrations
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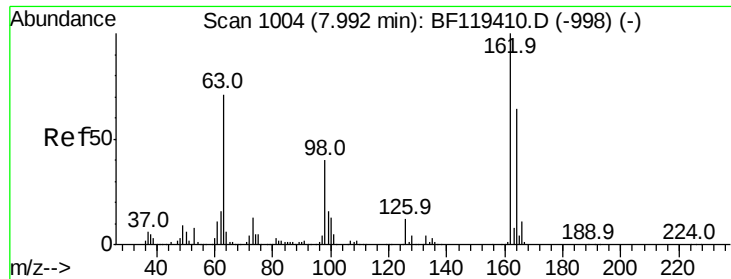
mohammad
3/23/2020 9:40:40 AM



#28
bis(2-Chloroethoxy)methane
Concen: 38.698 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.0	39.0
123	12.1	9.7	14.5





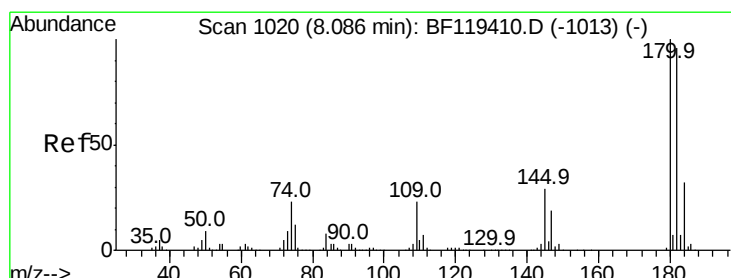
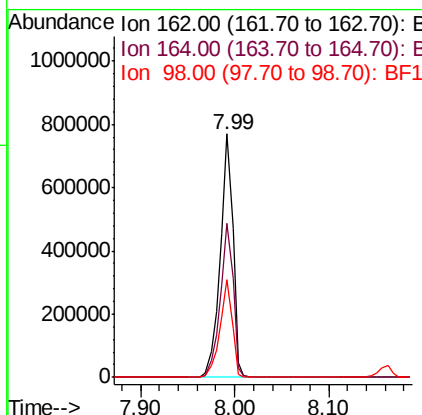
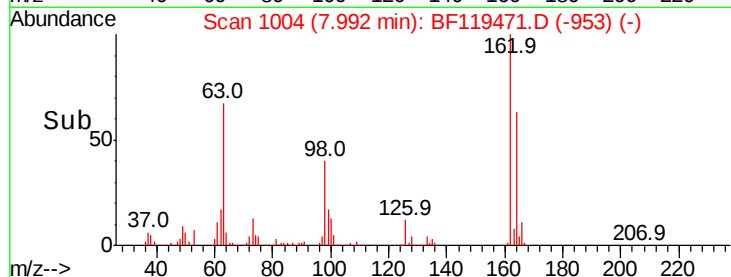
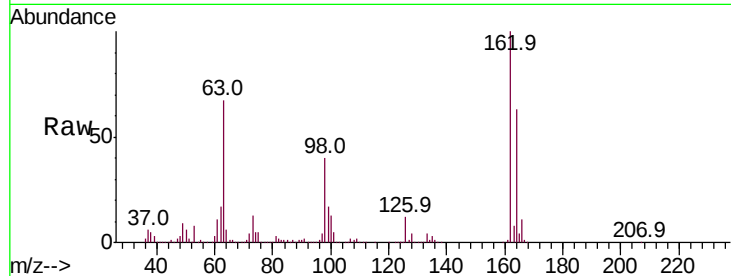
#29
2,4-Dichlorophenol
Concen: 38.756 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	730541		
164	63.4	43.6	83.6	
98	40.2	20.4	60.4	

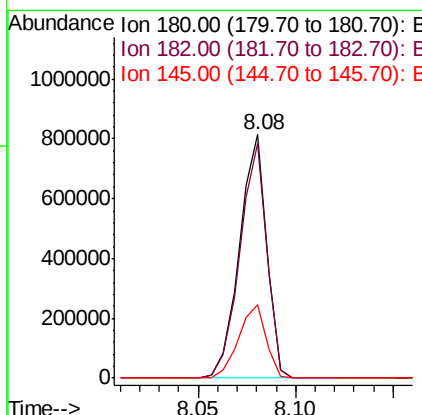
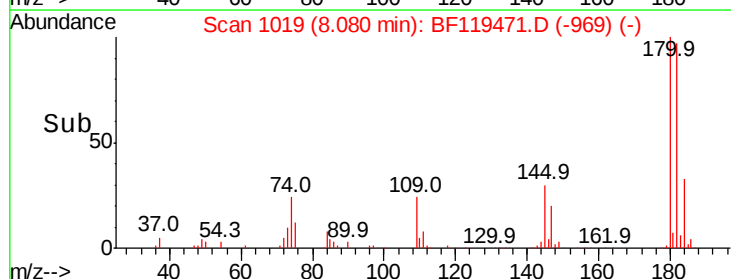
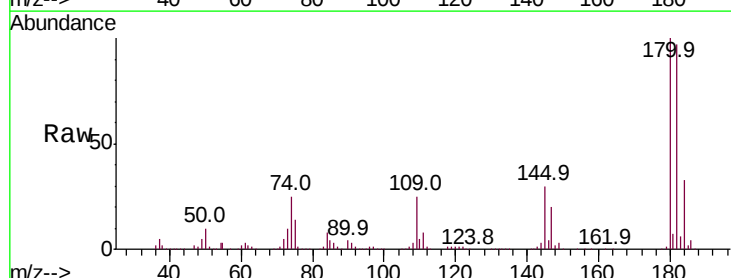
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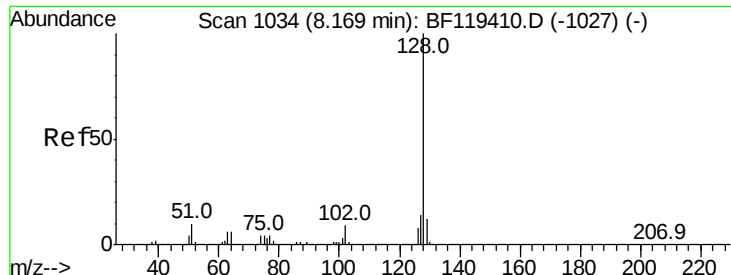
mohammad
3/23/2020 9:40:40 AM



#30
1,2,4-Trichlorobenzene
Concen: 37.558 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	782951		
182	96.6	76.6	115.0	
145	30.2	23.2	34.8	





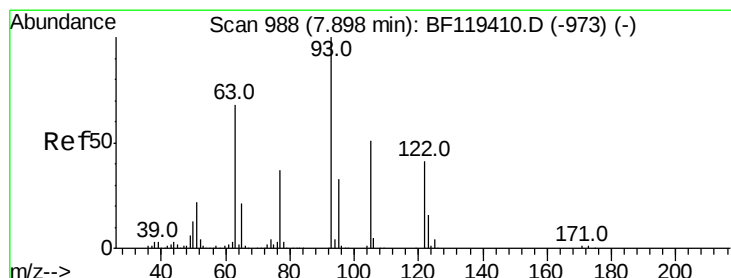
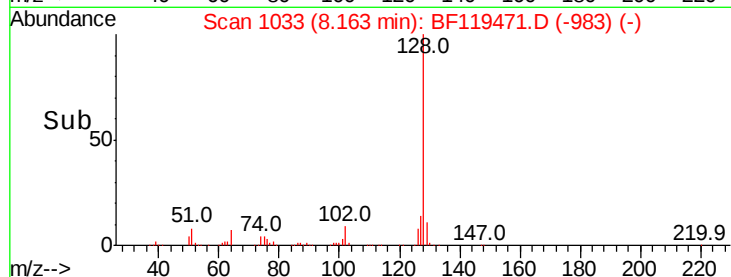
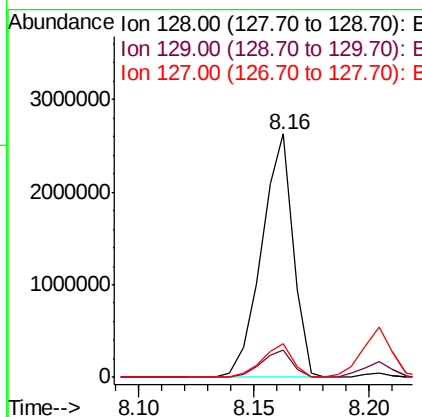
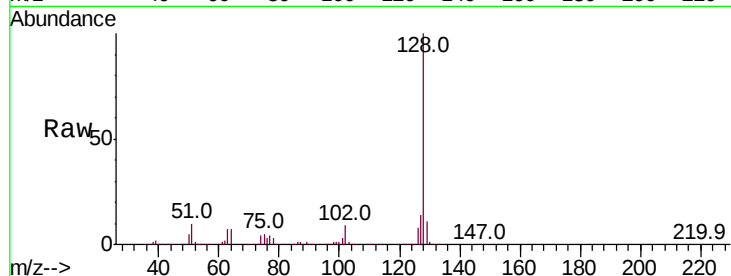
#31
Naphthalene
Concen: 37.907 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.9	11.0	16.4

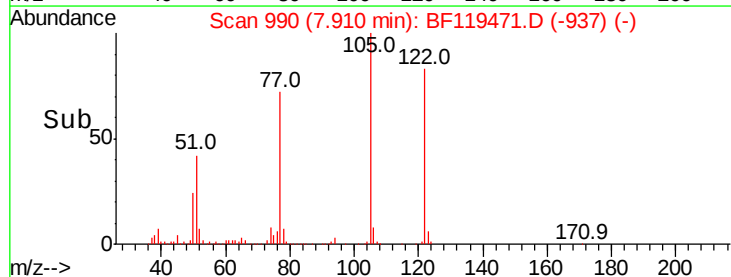
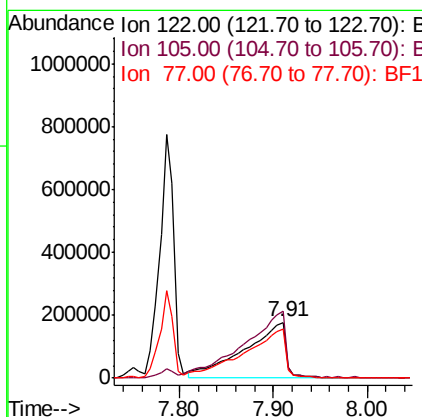
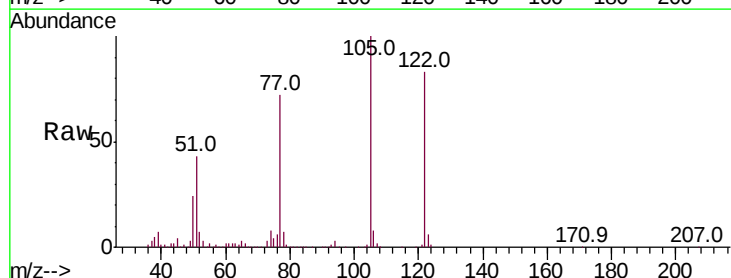
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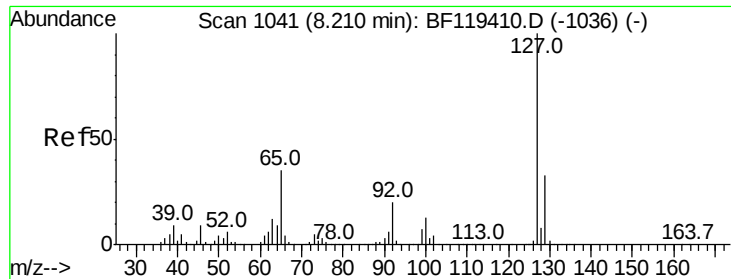
mohammad
3/23/2020 9:40:40 AM



#32
Benzoic acid
Concen: 40.261 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.1	102.9	142.9
77	86.9	70.1	110.1





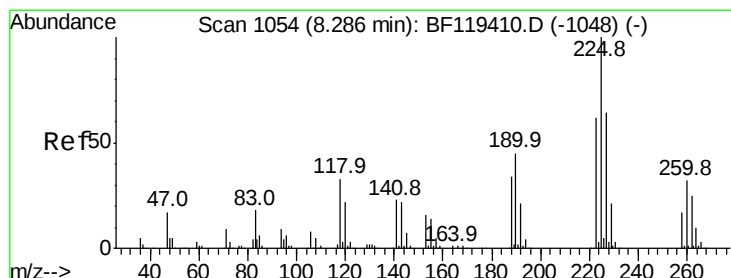
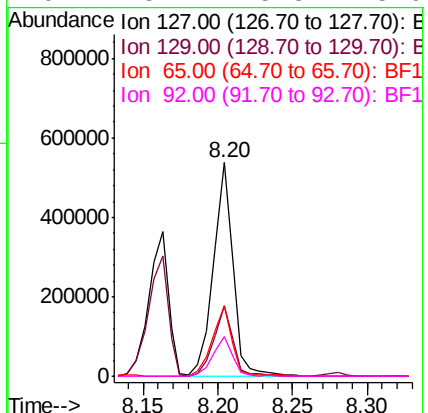
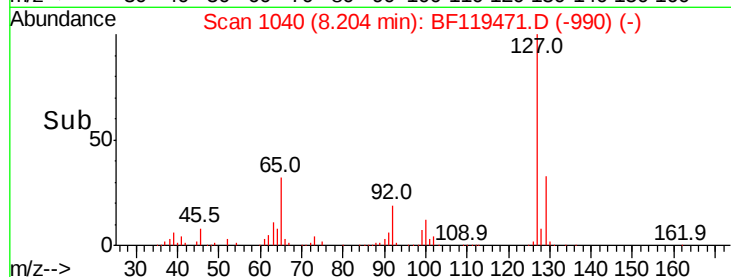
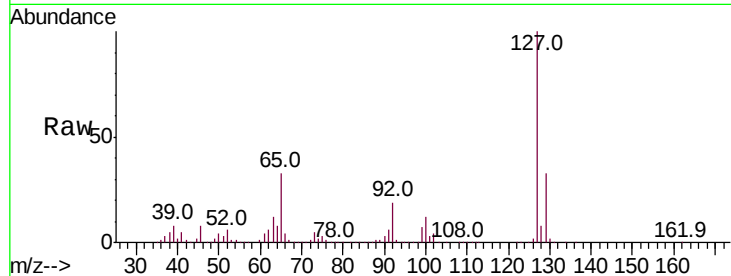
#33
4-Chloroaniline
Concen: 16.246 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	33.0	27.7	41.5
92	18.7	15.8	23.6

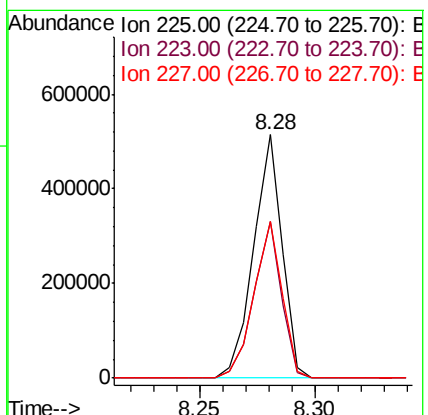
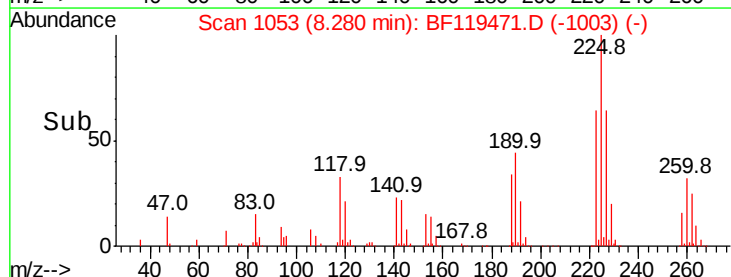
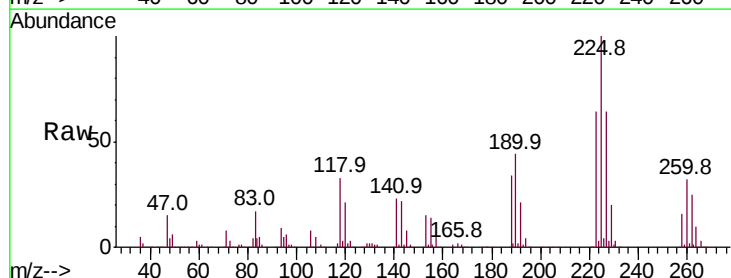
Manual Integrations
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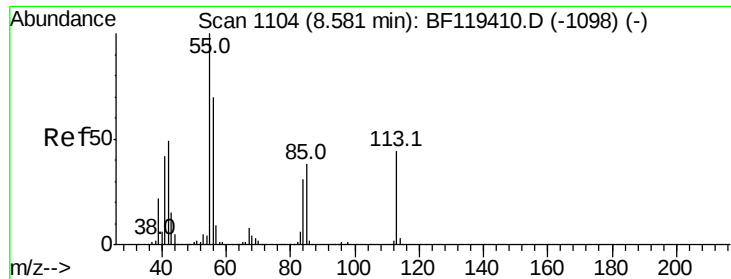
mohammad
3/23/2020 9:40:40 AM



#34
Hexachlorobutadiene
Concen: 38.162 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.2	73.8
227	64.5	51.1	76.7





#35

Caprolactam

Concen: 38.164 ng/ml

RT: 8.58 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:113 Resp: 235438

Ion Ratio Lower Upper

113 100

55 227.8 208.4 248.4

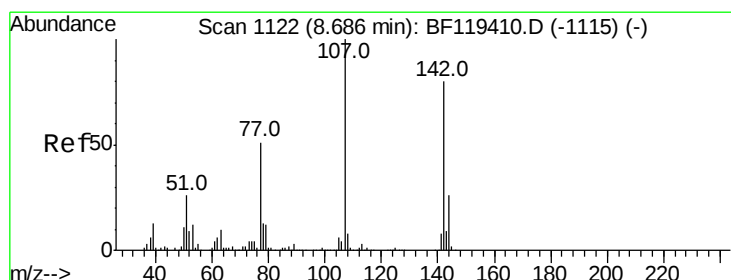
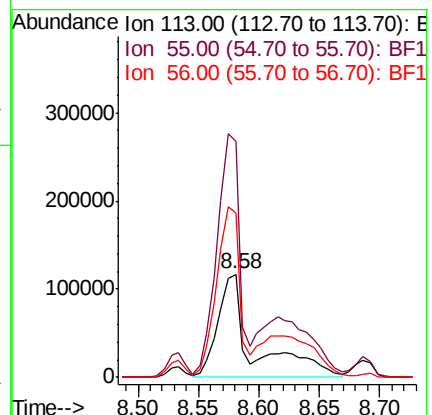
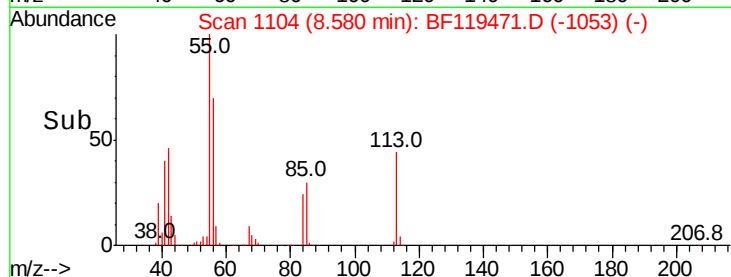
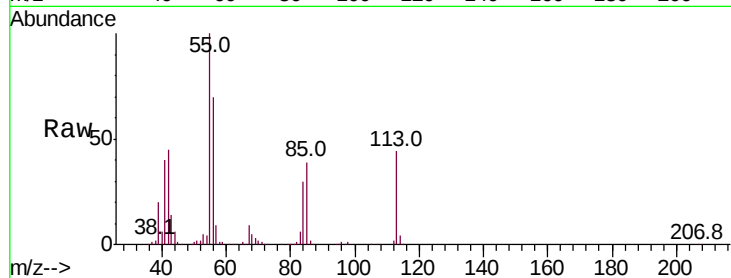
56 159.5 138.9 178.9

Manual Integrations

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mohammad

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#36

4-Chloro-3-methylphenol

Concen: 38.389 ng/ml

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

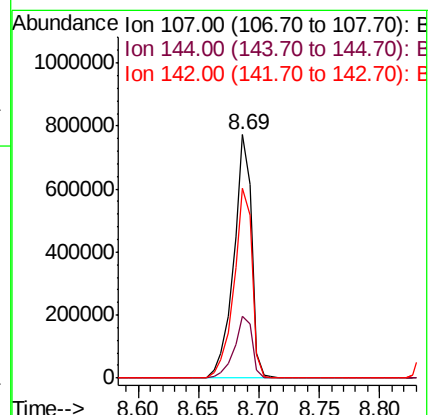
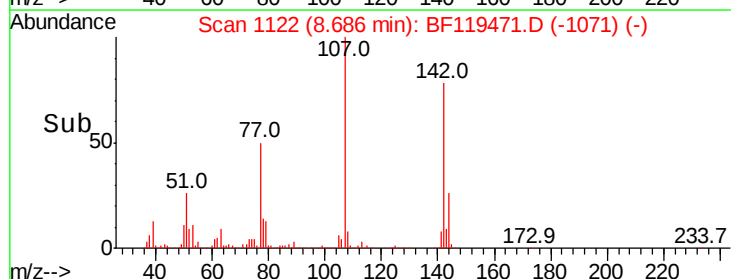
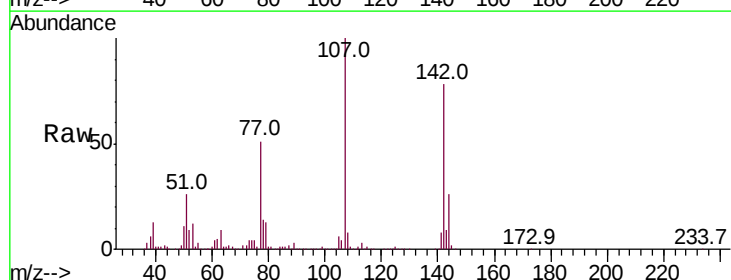
Tgt Ion:107 Resp: 790895

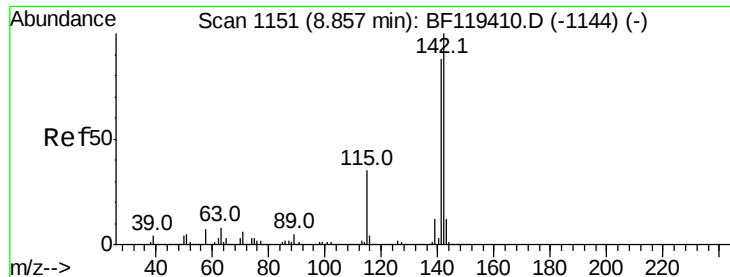
Ion Ratio Lower Upper

107 100

144 25.6 20.6 31.0

142 78.1 63.8 95.6





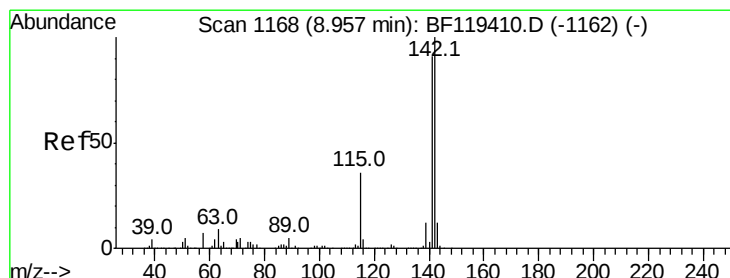
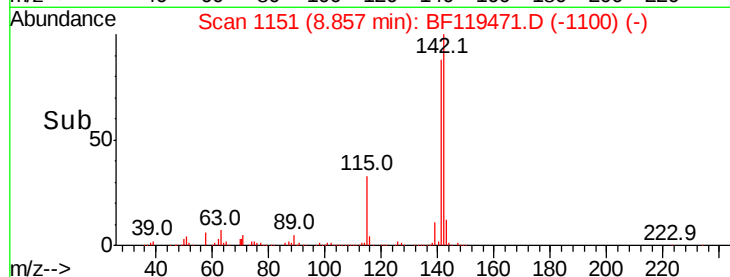
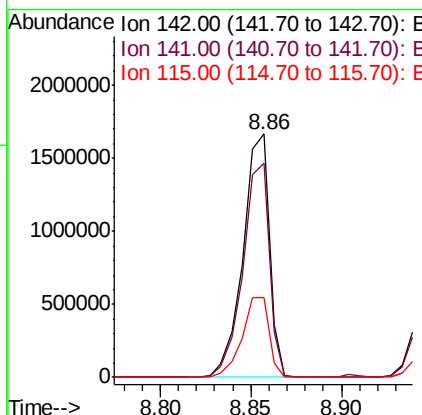
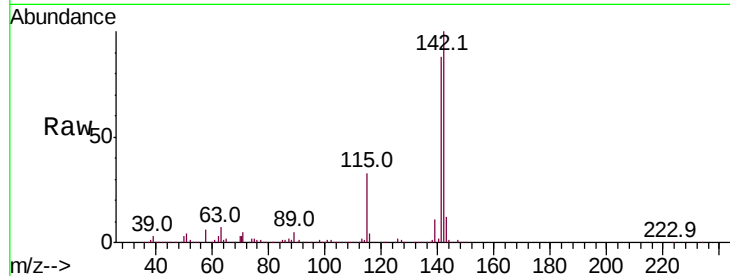
#37
2-Methylnaphthalene
Concen: 39.011 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion:142 Resp: 1688343
Ion Ratio Lower Upper
142 100
141 88.0 70.4 105.6
115 32.9 27.8 41.6

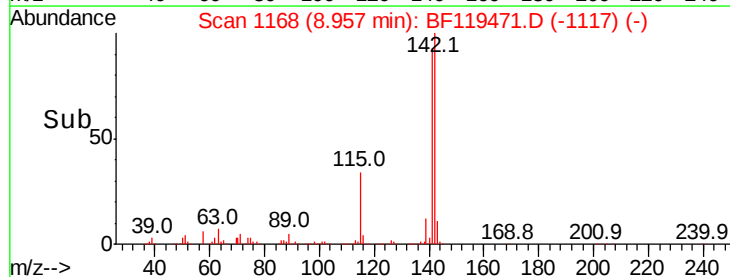
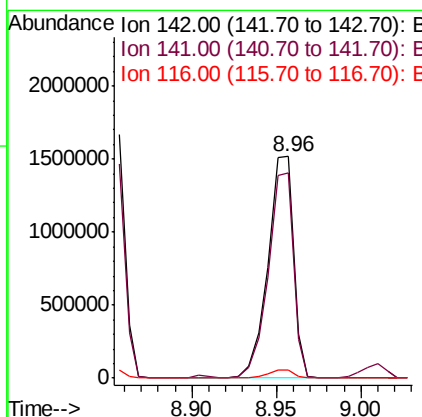
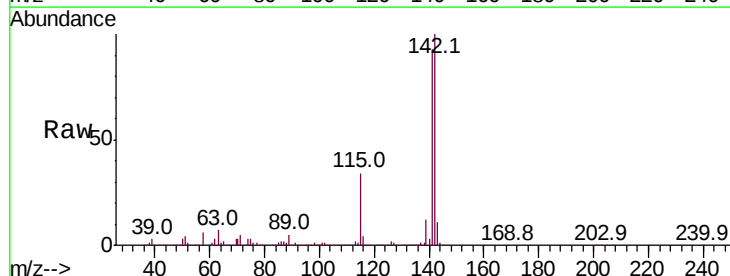
Manual Integrations
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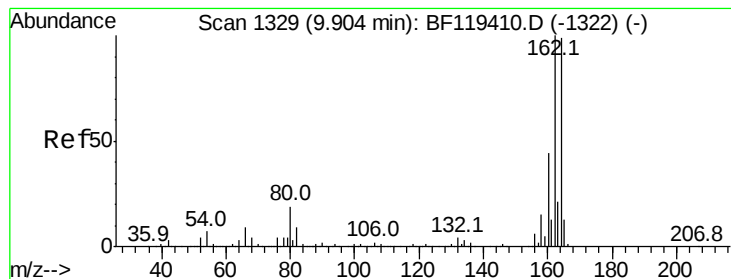
mohammad
3/23/2020 9:40:40 AM



#38
1-Methylnaphthalene
Concen: 38.815 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion:142 Resp: 1590009
Ion Ratio Lower Upper
142 100
141 92.7 73.1 109.7
116 3.5 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

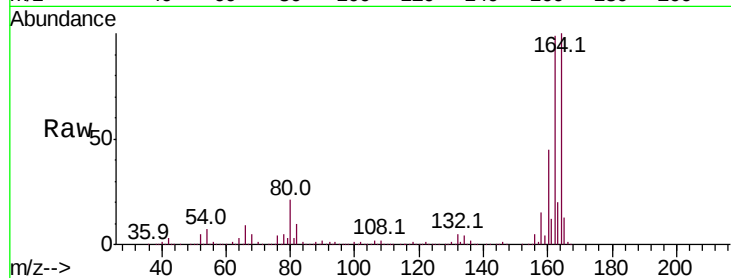
ClientSampleId :

BU-02-031920MSD

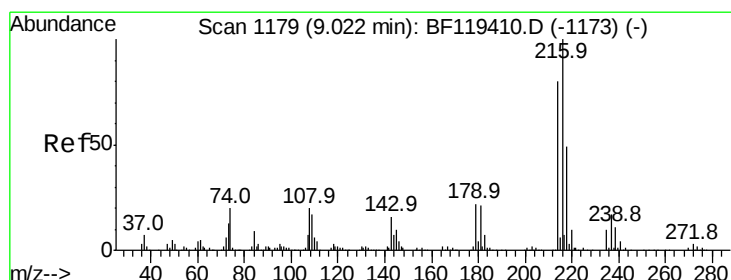
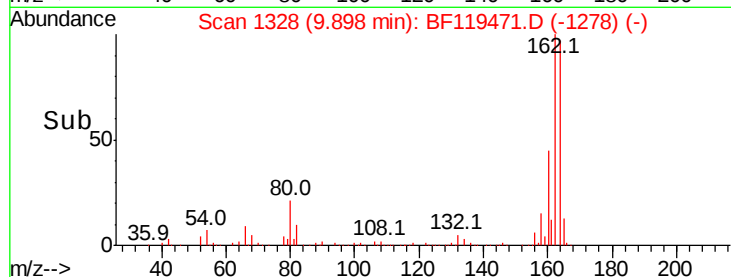
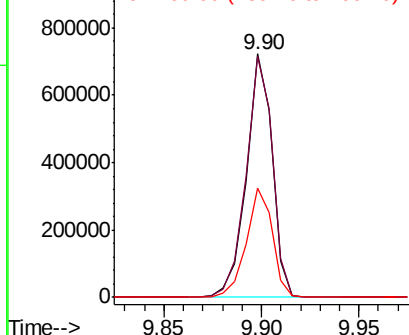
Tot Ion:	164	Resp:	659741
Ion Ratio	Lower	Upper	
164	100		
162	99.3	80.7	121.1
160	44.9	35.5	53.3

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.302 ng

RT: 9.02 min Scan# 1179

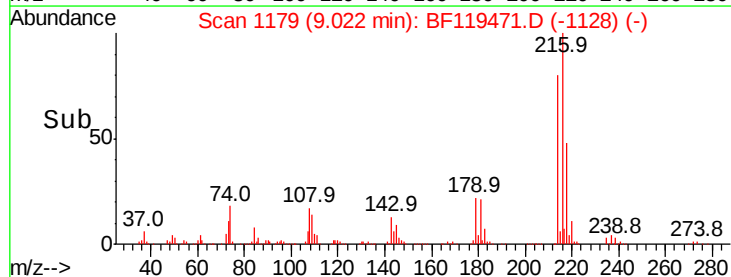
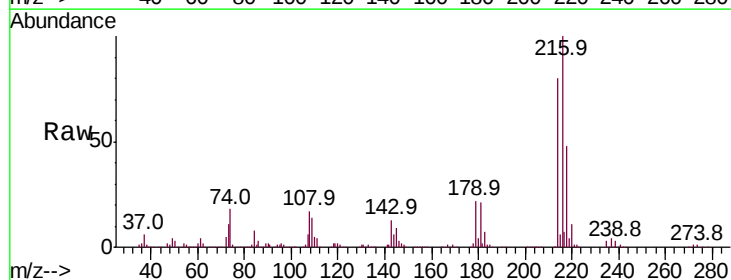
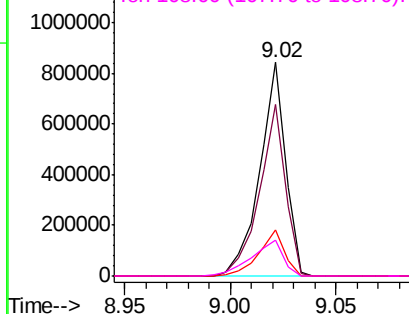
Delta R.T. -0.00 min

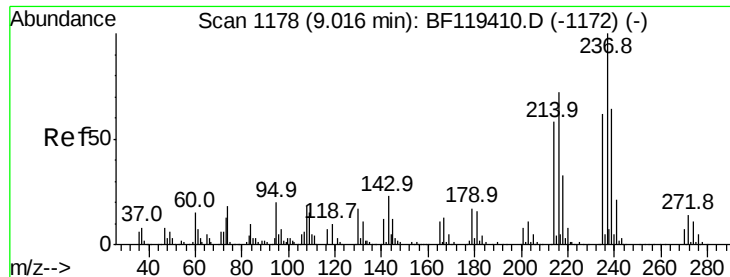
Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Tgt Ion:	216	Resp:	721323
Ion Ratio	Lower	Upper	
216	100		
214	80.4	63.0	94.6
179	21.3	17.0	25.4
108	20.6	15.4	23.0

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 66.787 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

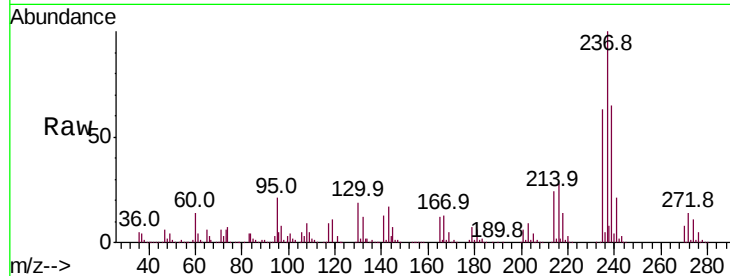
ClientSampleId :

BU-02-031920MSD

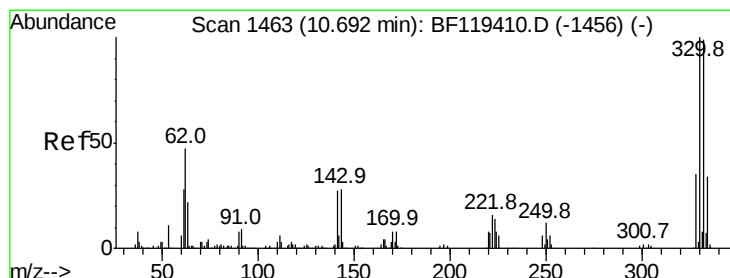
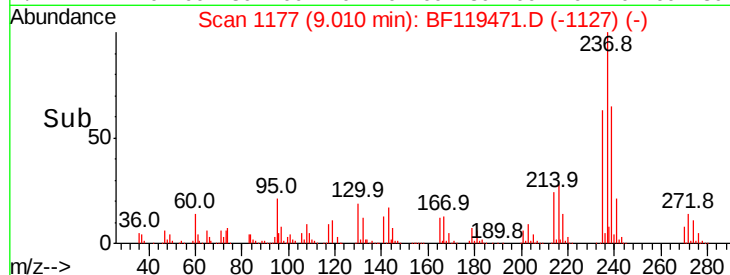
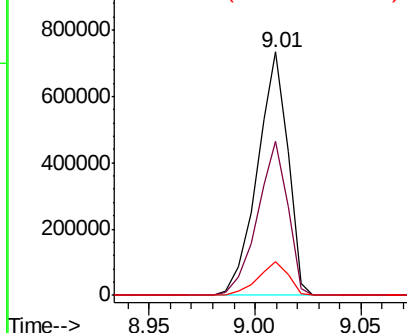
Tot Ion:	237	Resp:	734234
Ion Ratio	Lower	Upper	
237	100		
235	63.1	42.5	82.5
272	14.0	0.0	34.3

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 110.456 ng

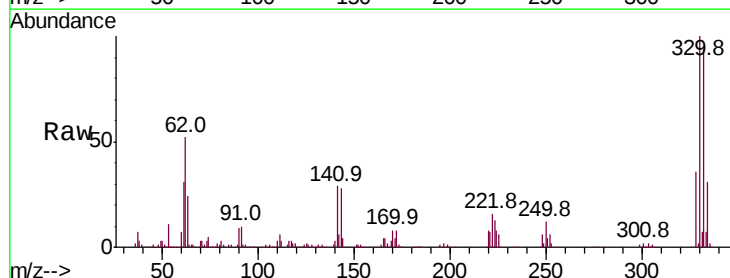
RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

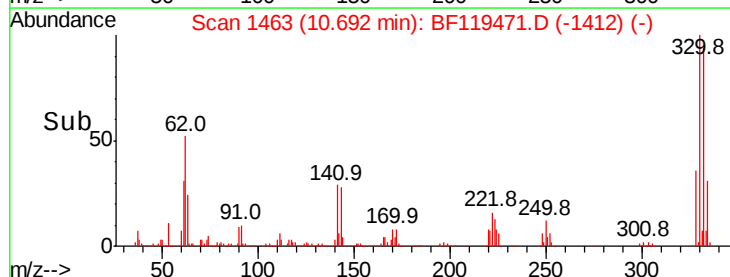
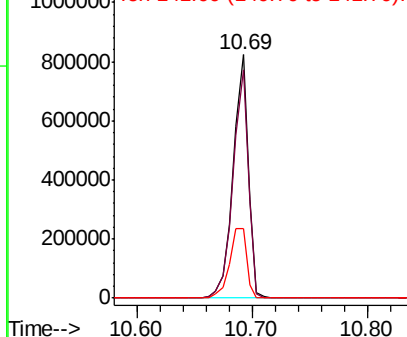
Lab File: BF119471.D

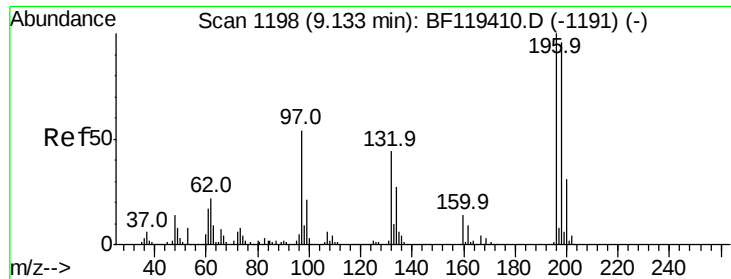
Acq: 20 Mar 2020 14:44

Tgt Ion:	330	Resp:	751799
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.6	116.4
141	32.3	26.6	40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





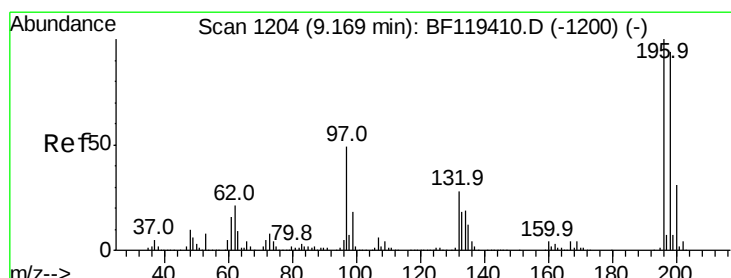
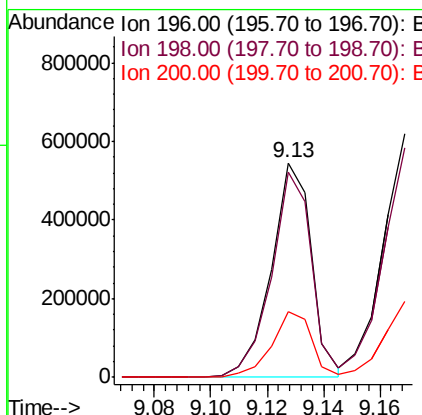
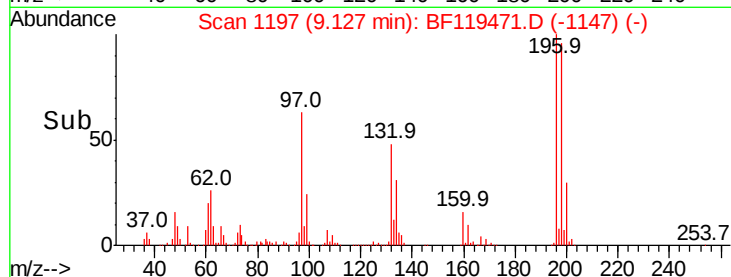
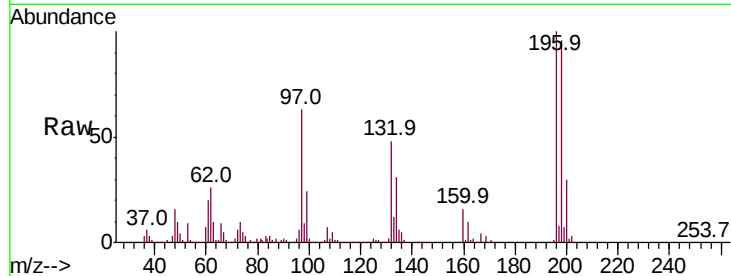
#43
2,4,6-Trichlorophenol
Concen: 39.025 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.9	77.0	115.4	
200	30.4	25.1	37.7	

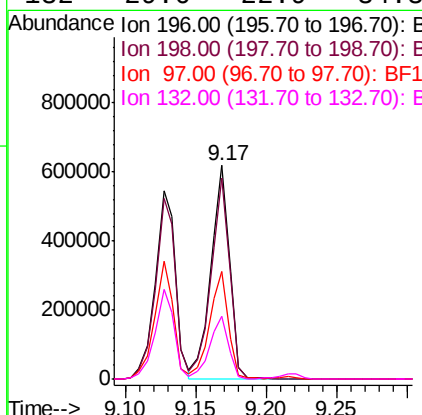
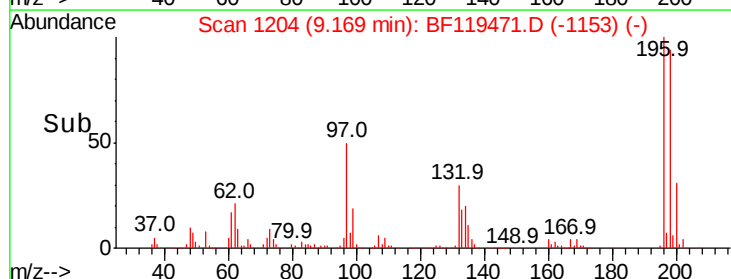
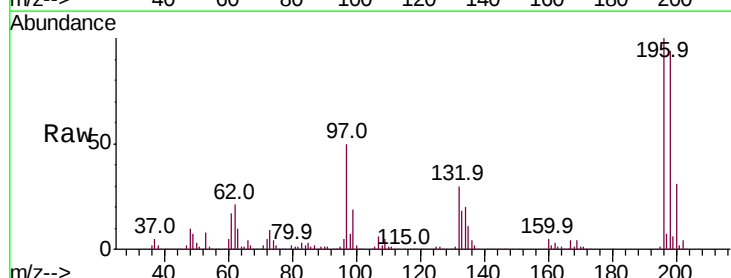
Manual Integrations
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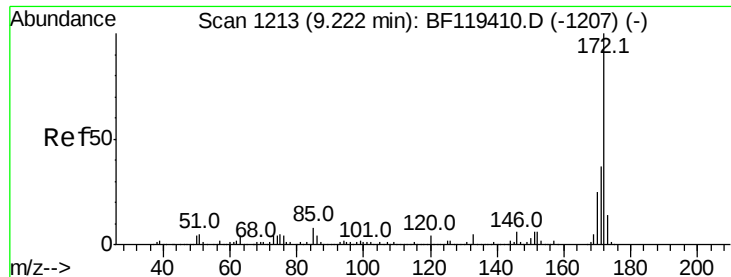
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#44
2,4,5-Trichlorophenol
Concen: 36.536 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.1	75.3	112.9	
97	50.1	39.0	58.4	
132	29.6	22.9	34.3	





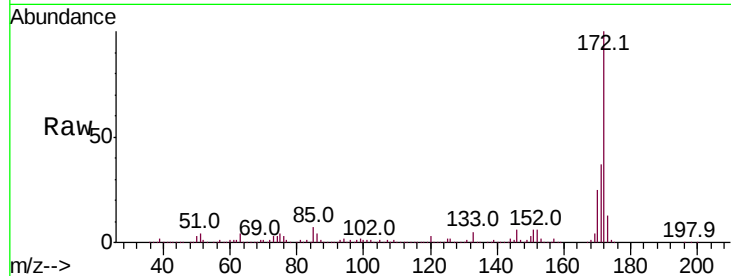
#45
2-Fluorobiphenyl
Concen: 68.199 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.8	20.1	30.1

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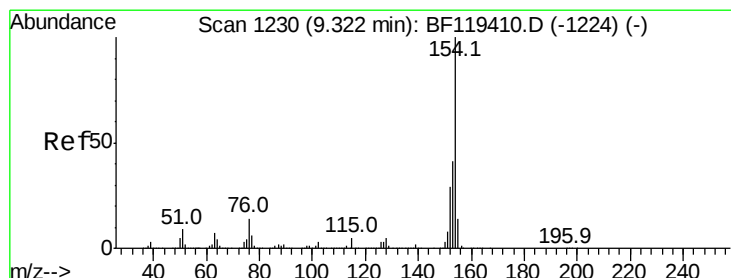
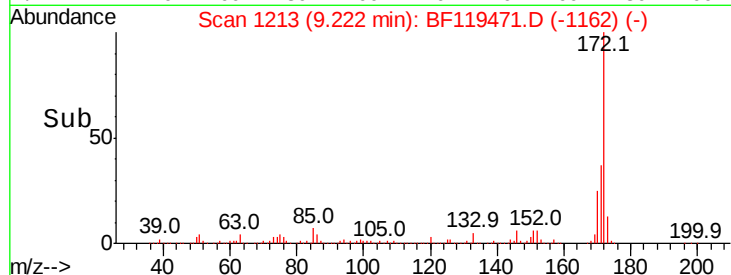
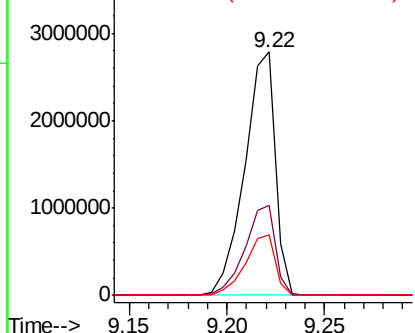


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 36.825 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

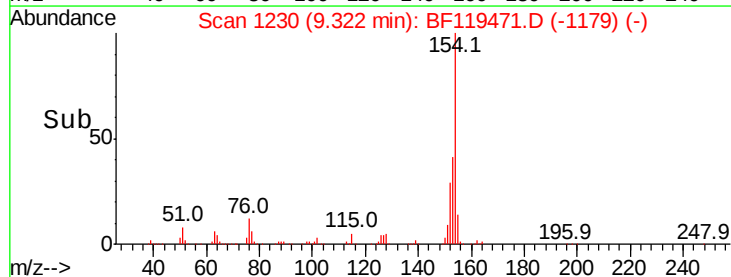
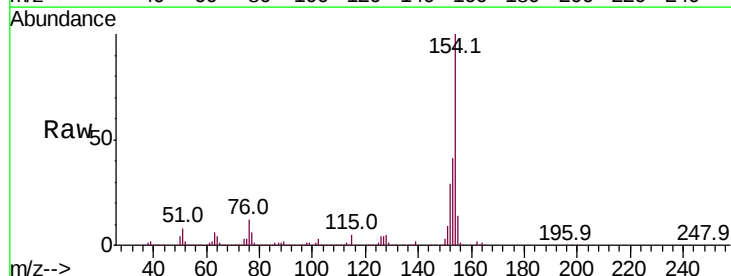
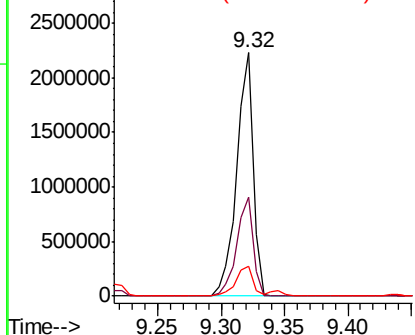
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.4	61.4
76	12.1	0.0	33.6

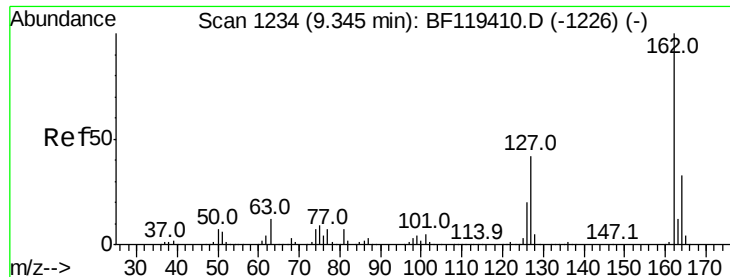
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





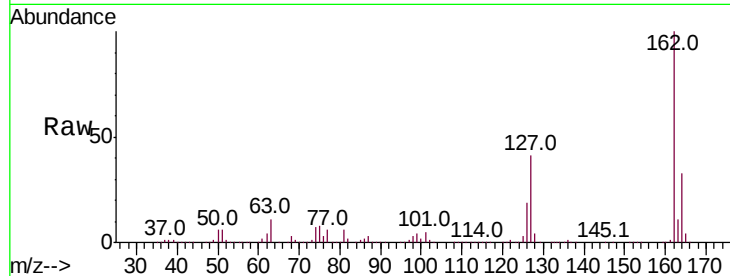
#47
2-Chloronaphthalene
Concen: 37.030 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

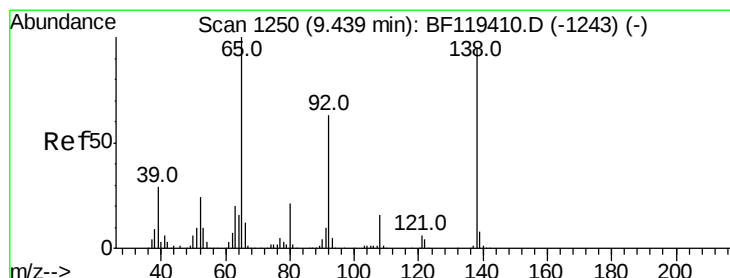
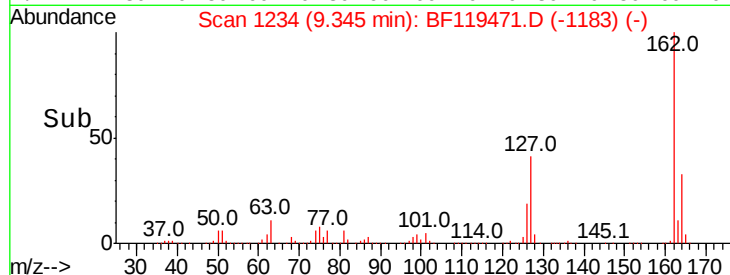
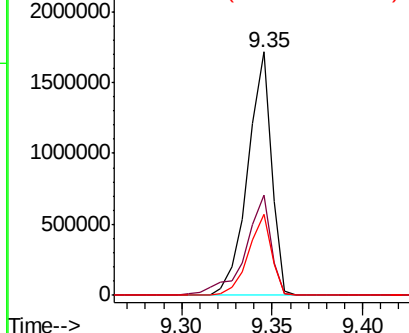
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.7	50.5
164	33.3	26.2	39.4

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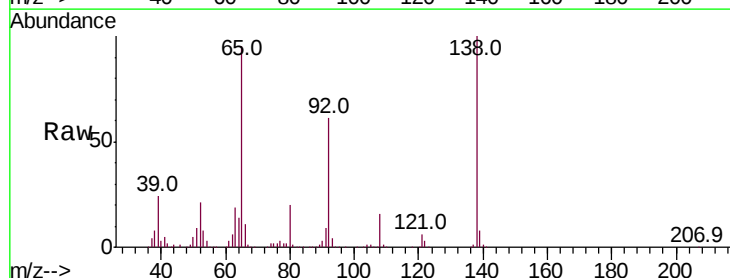


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

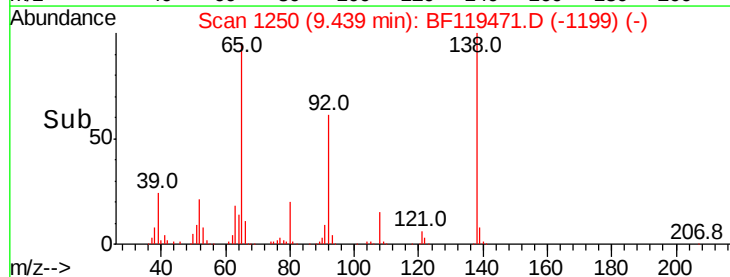
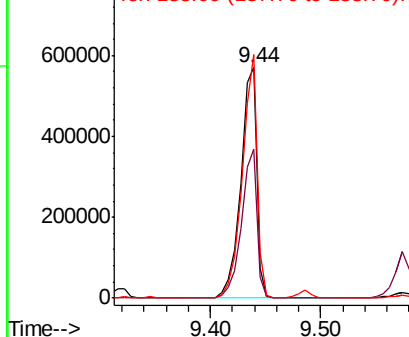


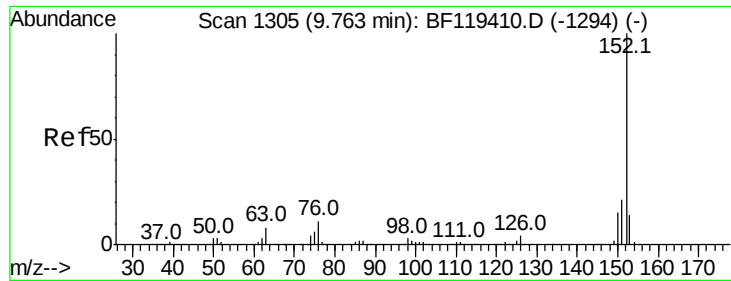
#48
2-Nitroaniline
Concen: 40.275 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.6	50.5	75.7
138	105.7	75.8	113.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





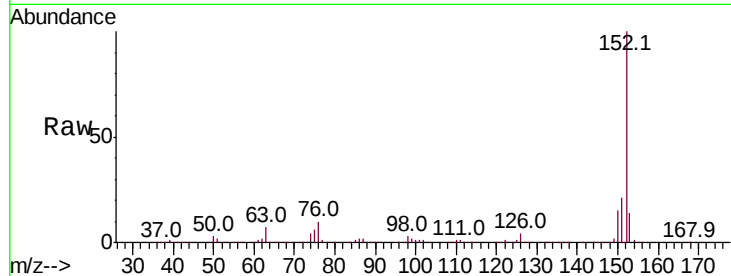
#49
Acenaphthylene
Concen: 37.495 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.8	25.2
153	14.1	11.2	16.8

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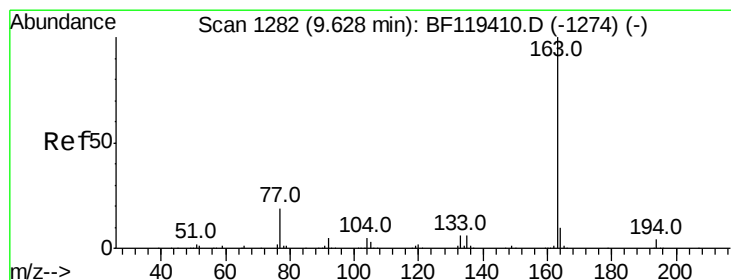
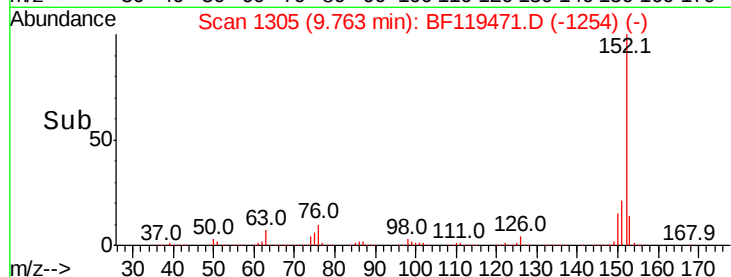
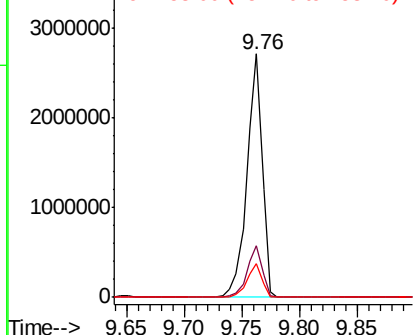


Abundance

Ion 152.00 (151.70 to 152.70): E

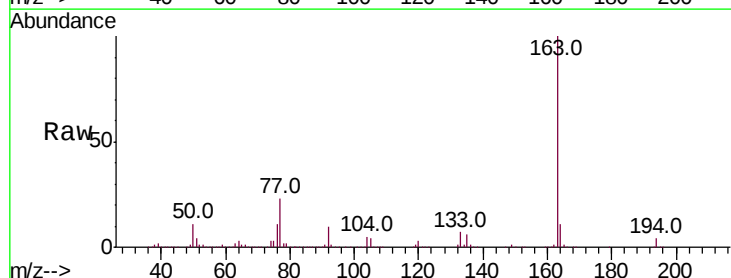
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 45.159 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	11.0	8.1	12.1

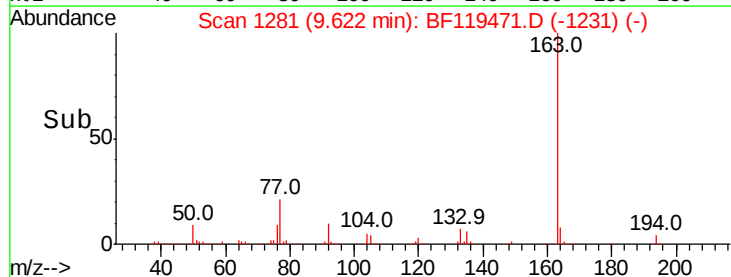
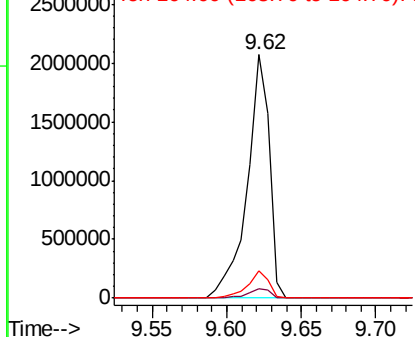


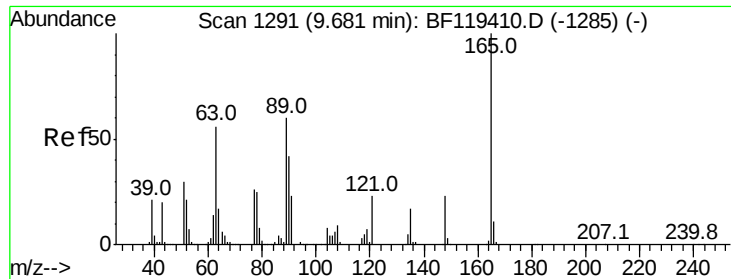
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 41.289 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:165 Resp: 414727

Ion Ratio Lower Upper

165 100

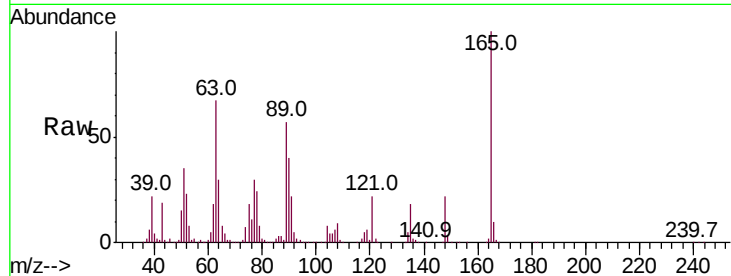
63 66.5 57.3 85.9

89 56.6 47.8 71.8

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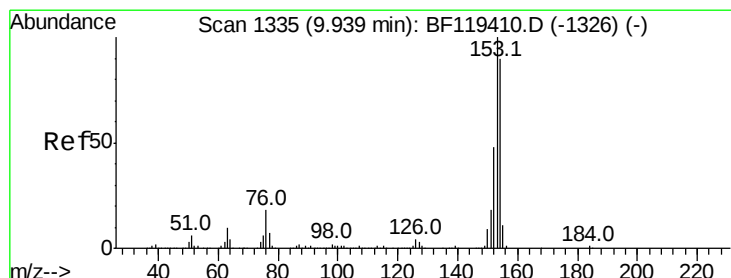
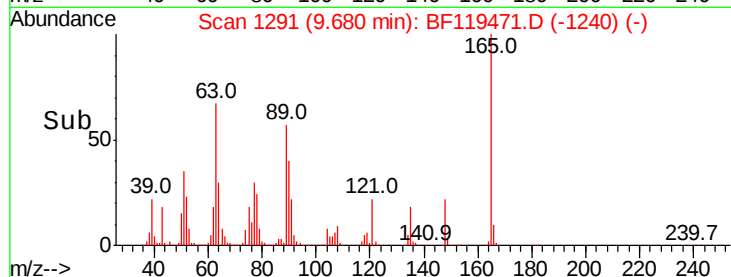
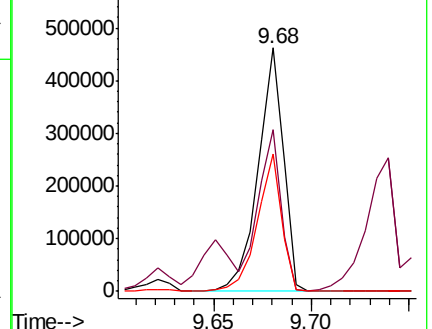
3/23/2020 9:40:40 AM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.510 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

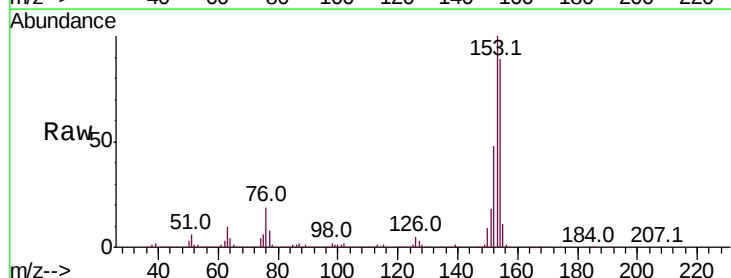
Tgt Ion:154 Resp: 1628017

Ion Ratio Lower Upper

154 100

153 112.0 89.0 133.6

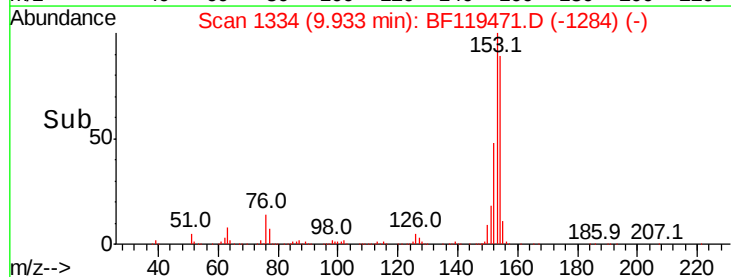
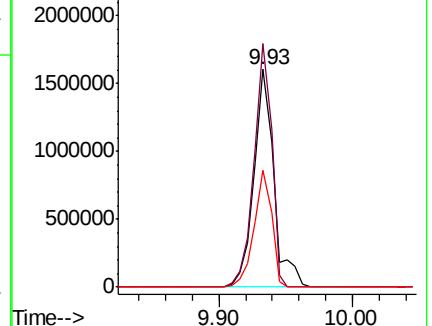
152 54.0 43.1 64.7

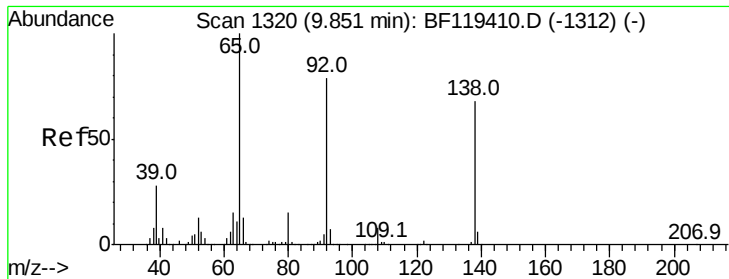


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





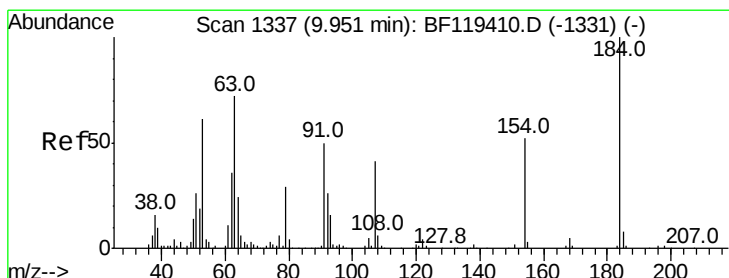
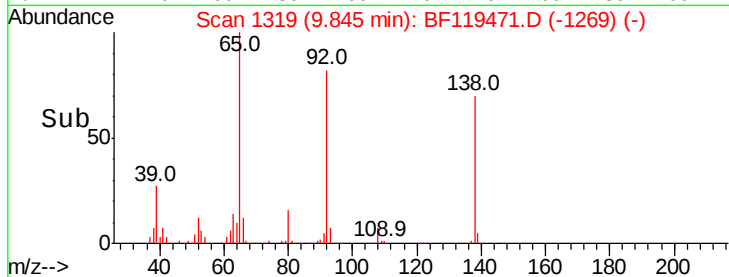
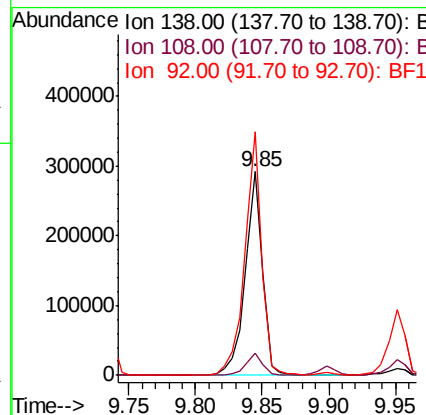
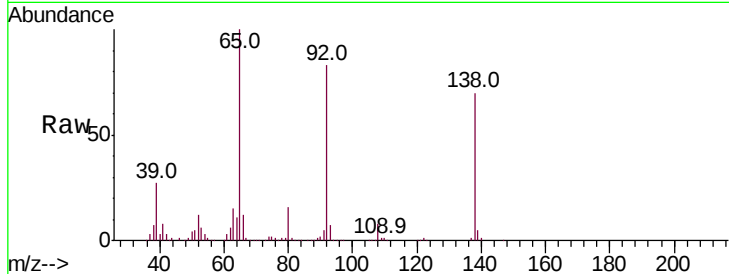
#53
 3-Nitroaniline
 Concen: 20.733 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.6
92	119.6	93.2	139.8

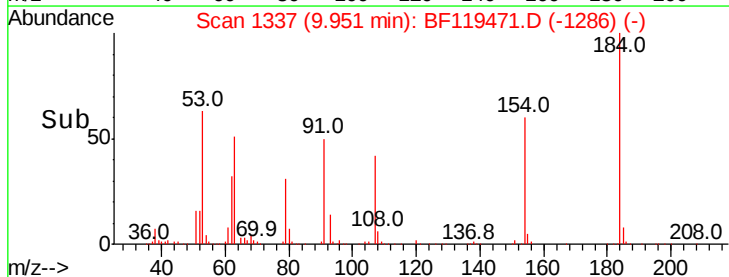
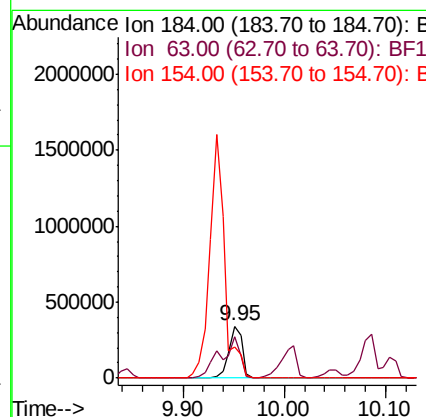
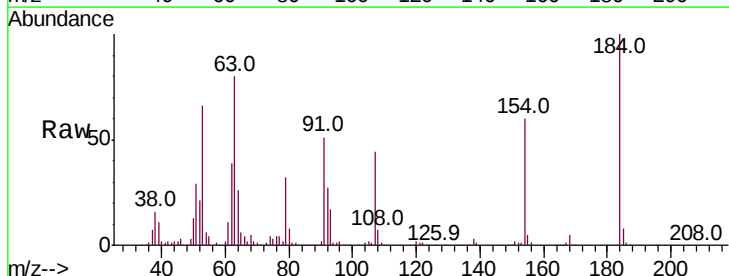
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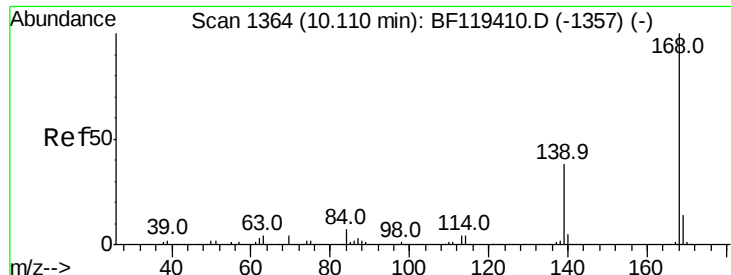
mohammad
 3/23/2020 9:40:40 AM



#54
 2,4-Dinitrophenol
 Concen: 72.896 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
184	100		
63	79.8	58.5	87.7
154	59.7	51.8	77.6





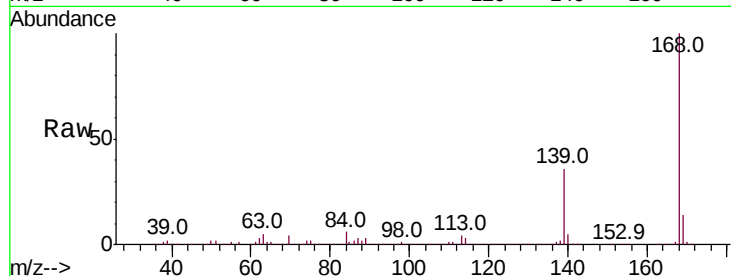
#55
Dibenzenofuran
Concen: 37.408 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

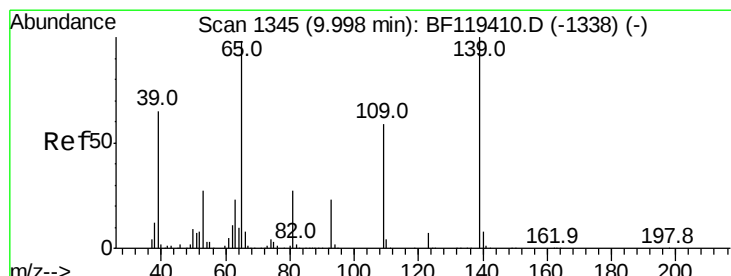
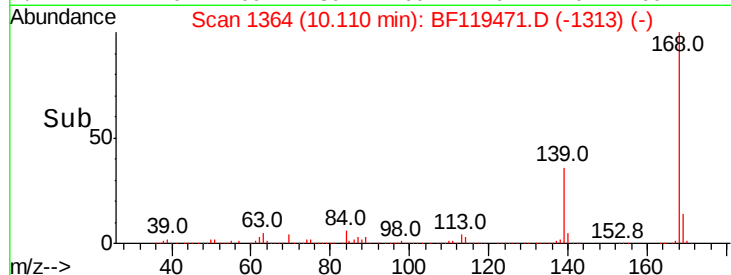
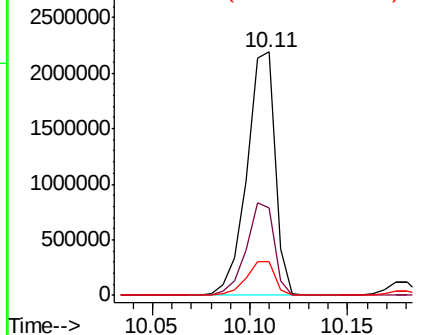
Tot	Ion:168	Resp: 2209965	
Ion	Ratio	Lower	Upper
168	100		
139	36.1	30.2	45.4
169	13.8	11.1	16.7

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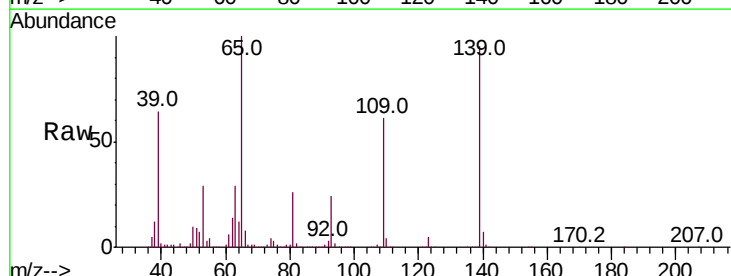


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

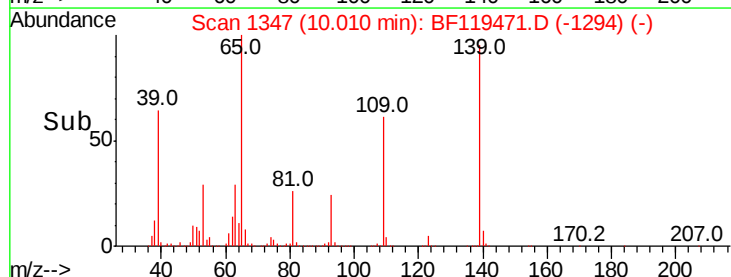
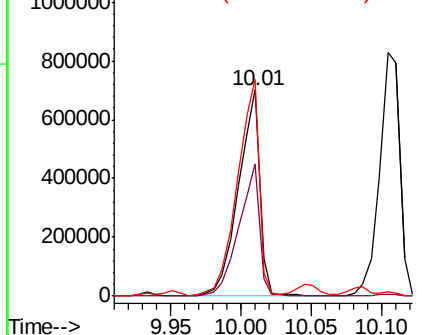


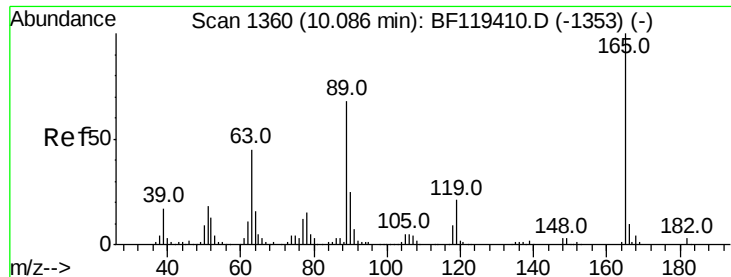
#56
4-Nitrophenol
Concen: 73.906 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt	Ion:139	Resp:	739335
Ion	Ratio	Lower	Upper
139	100		
109	64.1	39.6	79.6
65	105.1	78.3	118.3



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





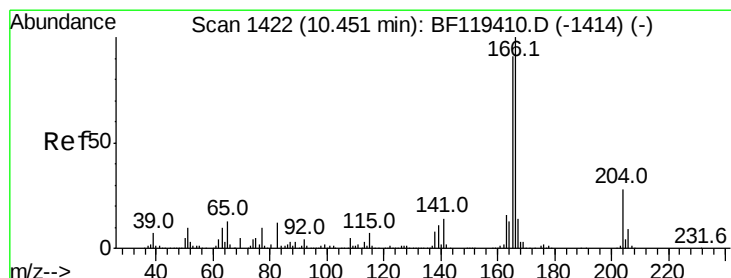
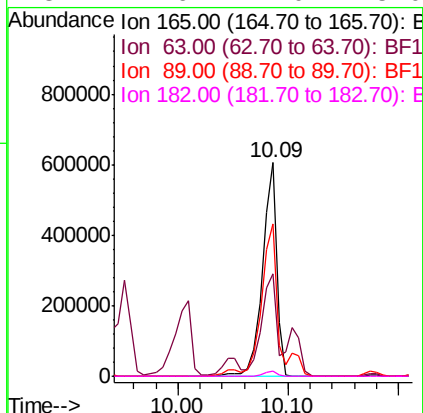
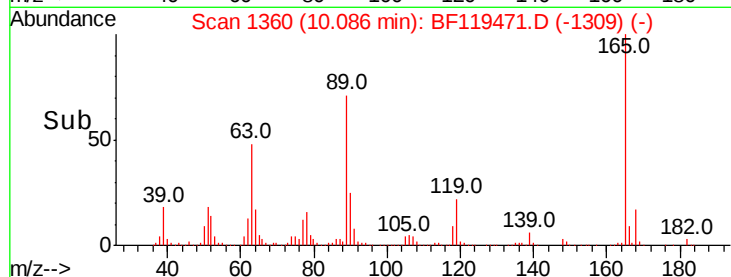
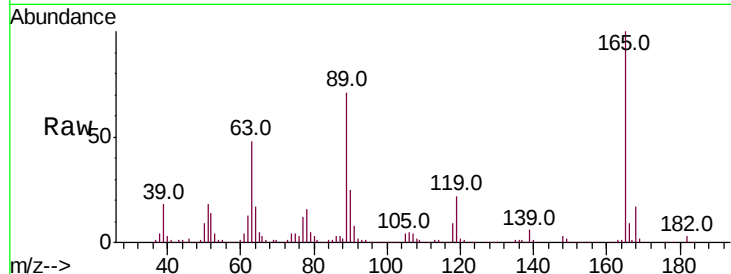
#57
 2,4-Dinitrotoluene
 Concen: 43.548 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	48.0	36.2	54.4	
89	71.2	54.3	81.5	
182	2.6	2.0	3.0	

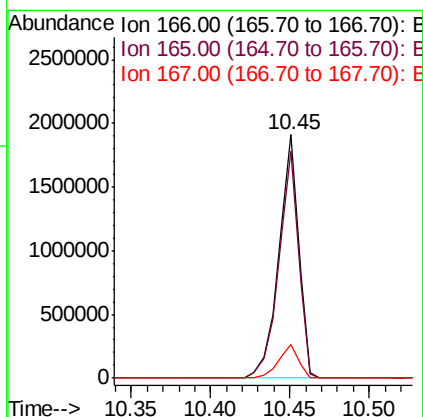
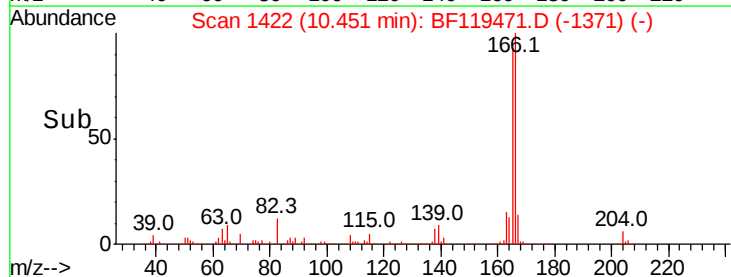
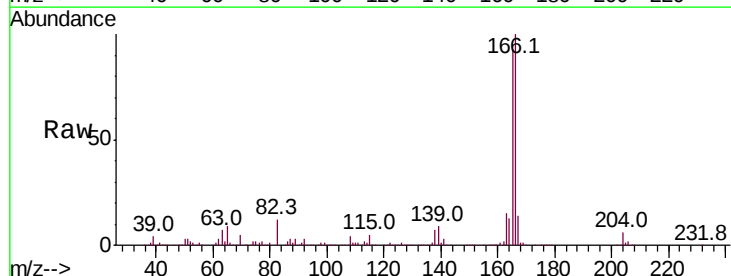
Manual Integrations
 APPROVED

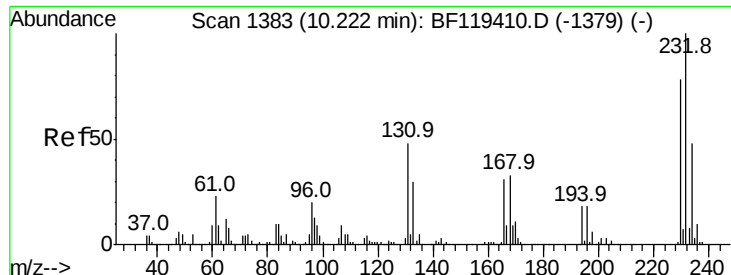
mohammad
 3/23/2020 9:40:40 AM



#58
 Fluorene
 Concen: 38.000 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.5	73.1	109.7	
167	13.9	11.0	16.6	





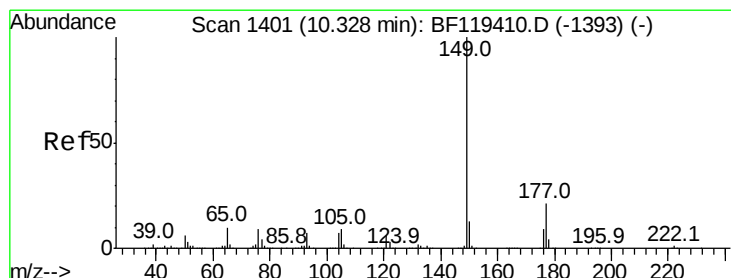
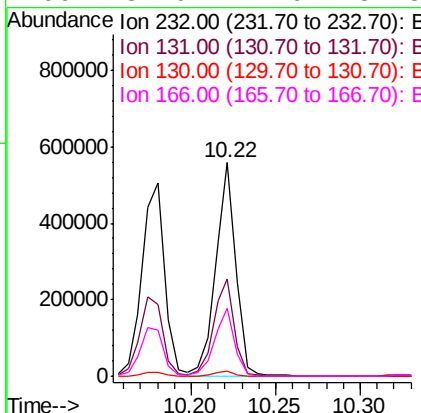
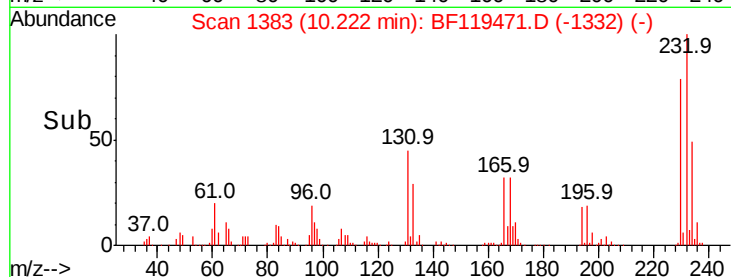
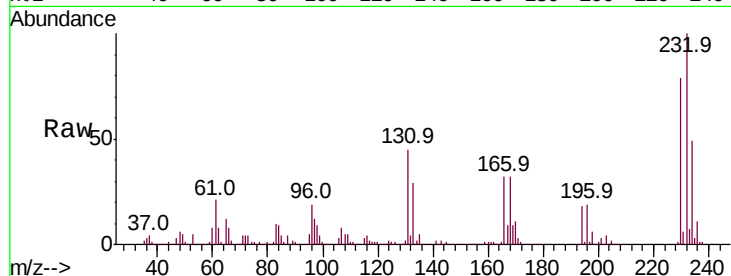
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.010 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.7	36.3	54.5
130	2.2	1.8	2.6
166	31.9	24.9	37.3

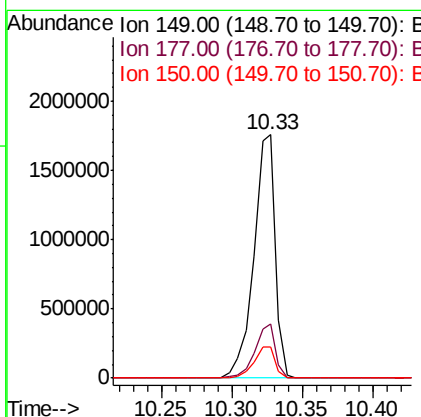
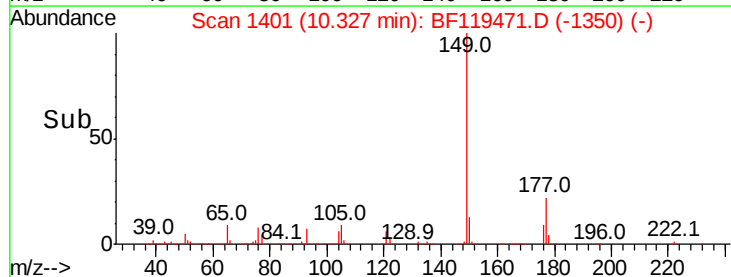
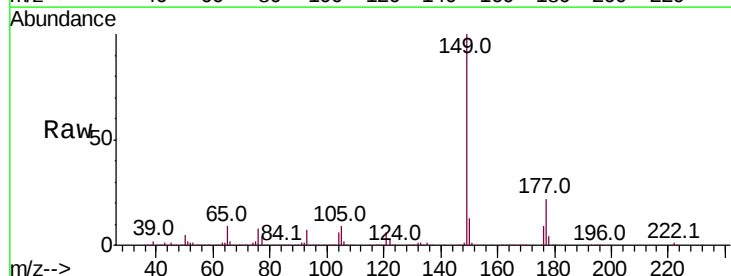
Manual Integrations
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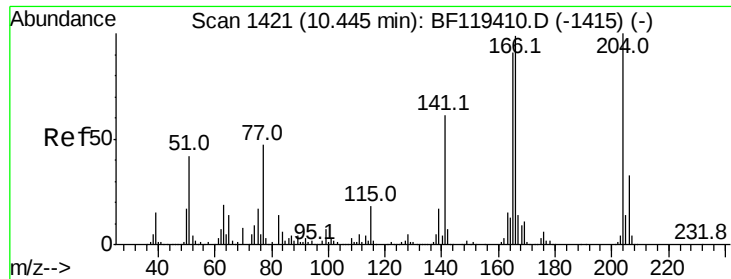
mohammad
 3/23/2020 9:40:40 AM



#60
 Diethylphthalate
 Concen: 39.558 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.0	25.6
150	12.6	10.2	15.4





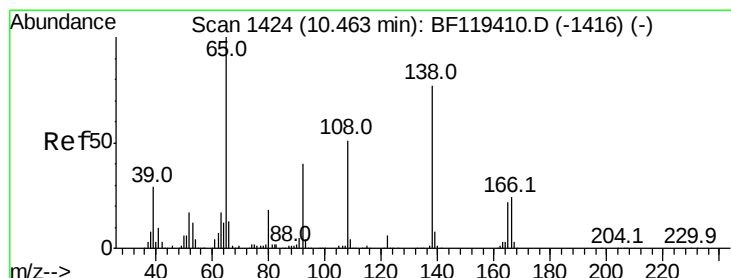
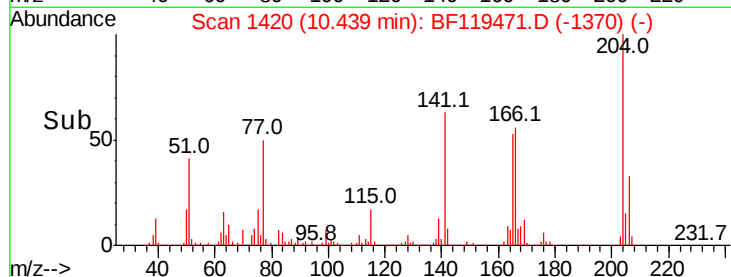
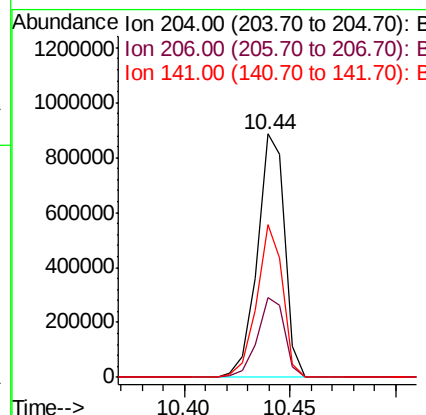
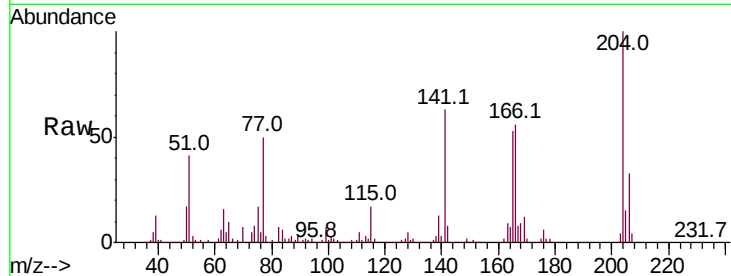
#61
 4-Chlorophenyl-phenylether
 Concen: 37.546 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion:	204	Resp:	802117
Ion Ratio	Lower	Upper	
204	100		
206	32.8	26.7	40.1
141	62.8	48.8	73.2

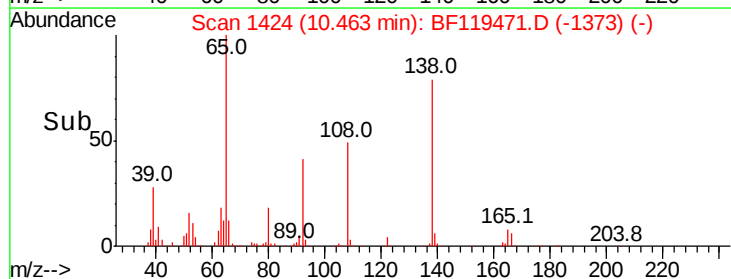
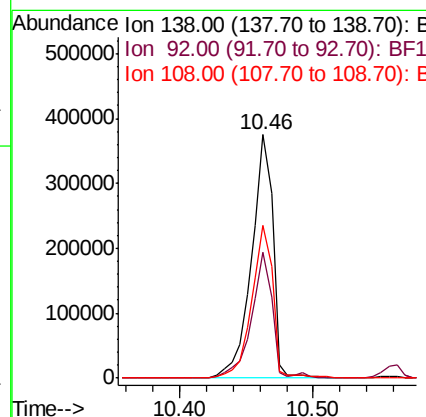
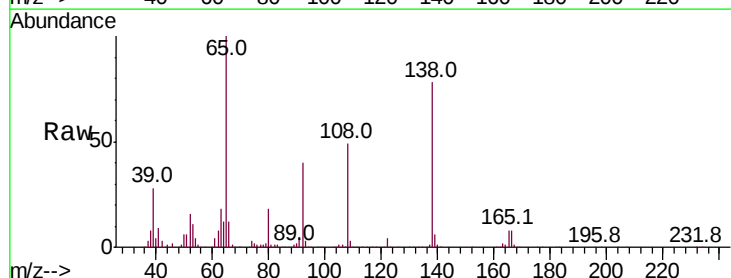
Manual Integrations
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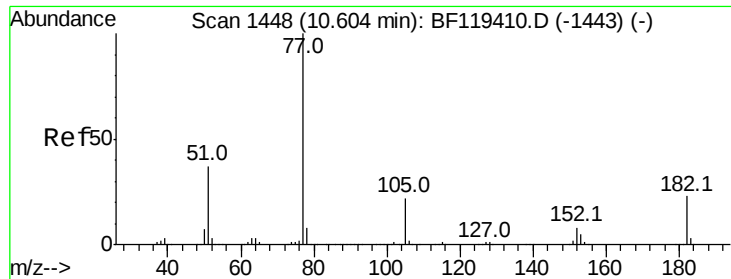
mohammad
 3/23/2020 9:40:40 AM



#62
 4-Nitroaniline
 Concen: 33.820 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion:	138	Resp:	411259
Ion Ratio	Lower	Upper	
138	100		
92	51.6	32.0	72.0
108	62.7	46.0	86.0





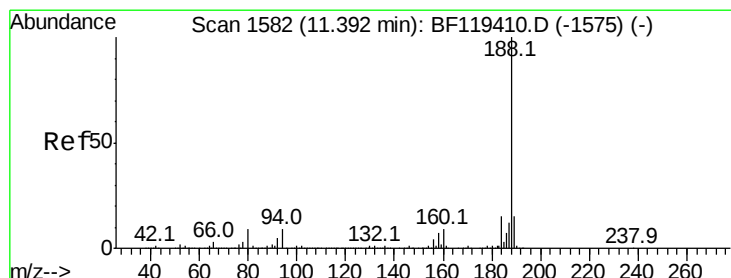
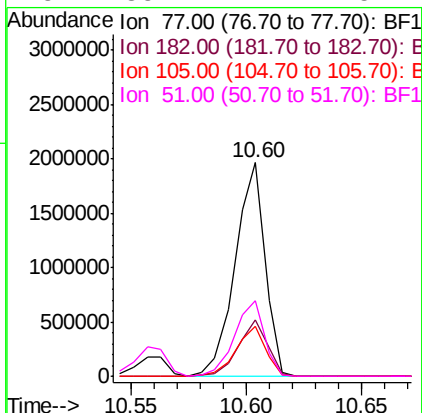
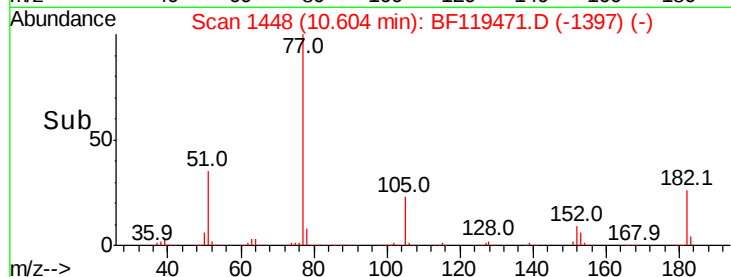
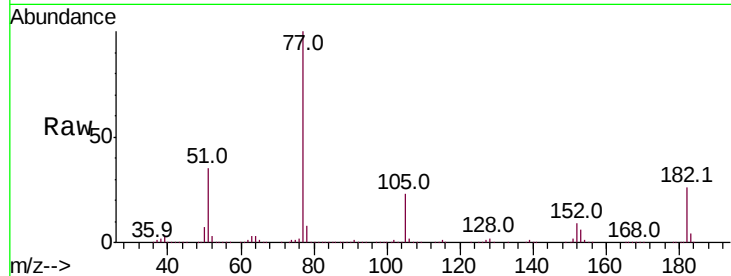
#63
Azobenzene
Concen: 37.206 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion: 77 Resp: 1781995
Ion Ratio Lower Upper
77 100
182 26.3 2.5 42.5
105 23.2 2.5 42.5
51 35.1 17.1 57.1

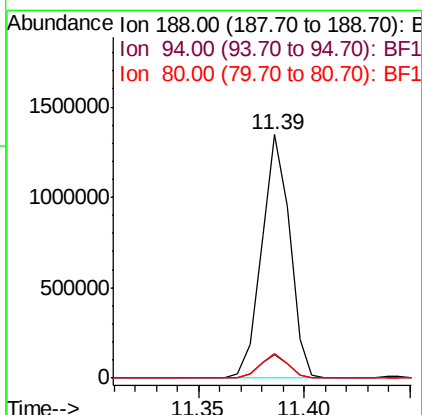
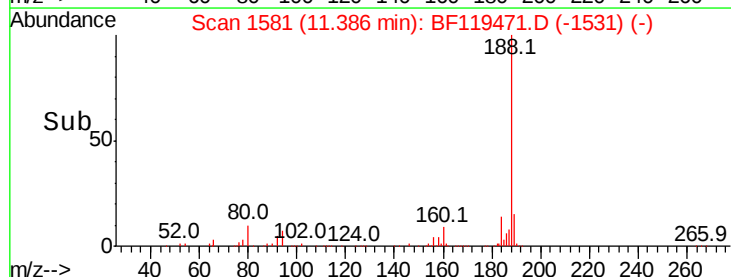
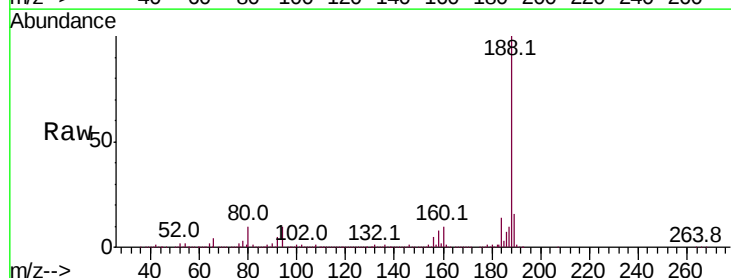
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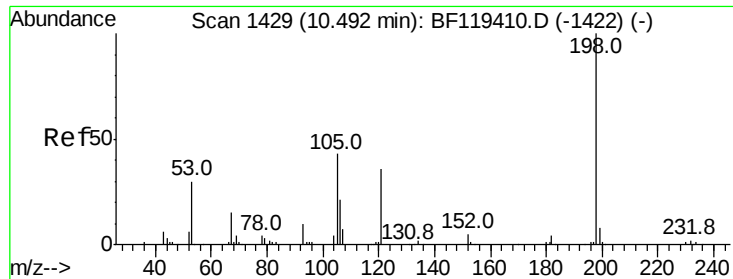
mohammad
3/23/2020 9:40:40 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion: 188 Resp: 1250243
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 10.2 7.5 11.3





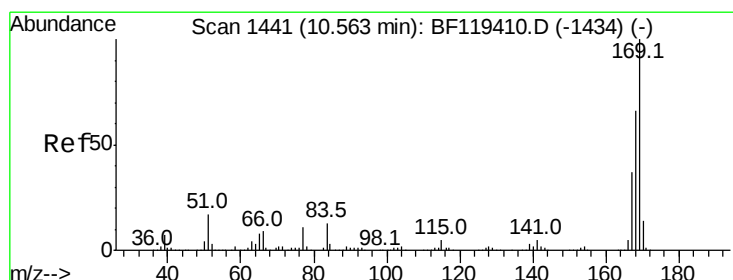
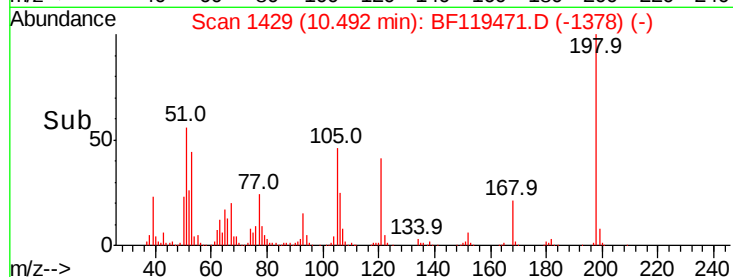
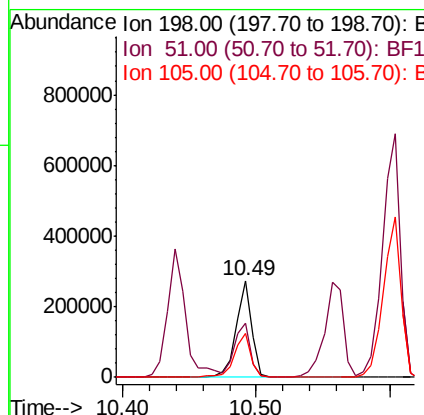
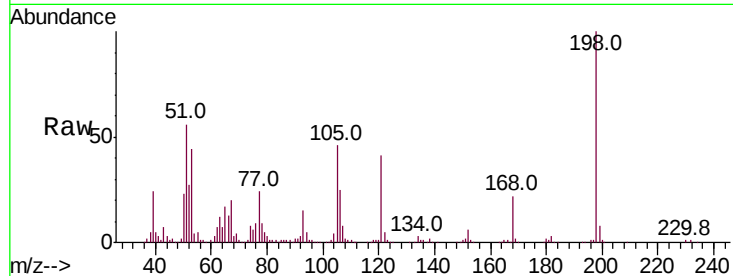
#65
4,6-Dinitro-2-methylphenol
Concen: 43.121 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	55.8	33.1	73.1
105	45.9	24.1	64.1

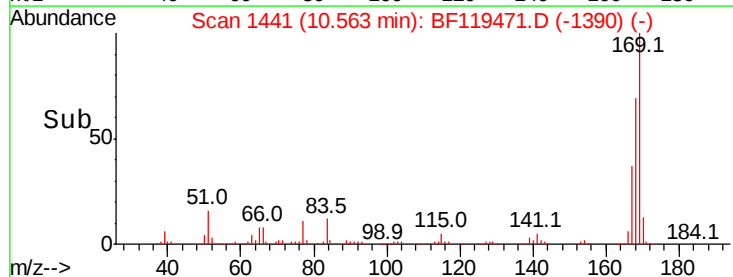
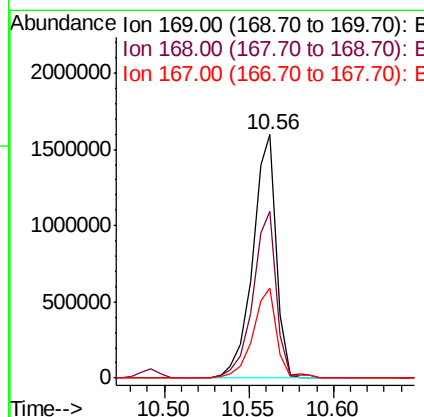
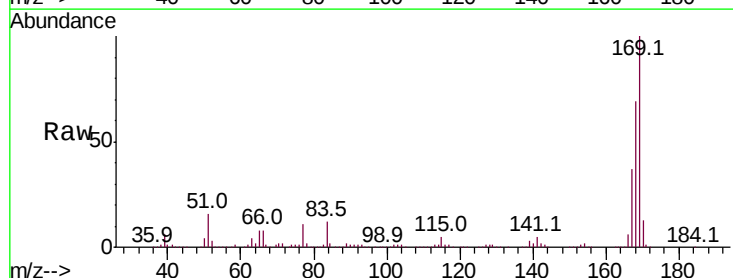
Manual Integrations
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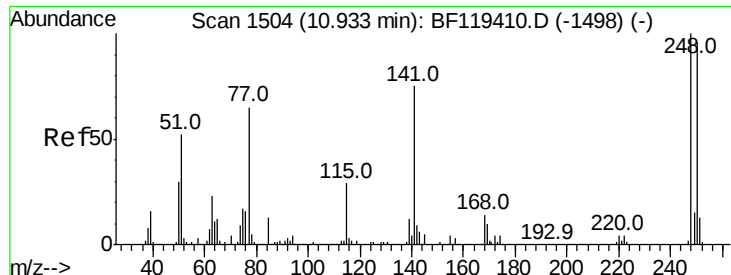
mohammad
3/23/2020 9:40:40 AM



#66
n-Nitrosodiphenylamine
Concen: 37.733 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.7	52.7	79.1
167	37.1	29.3	43.9





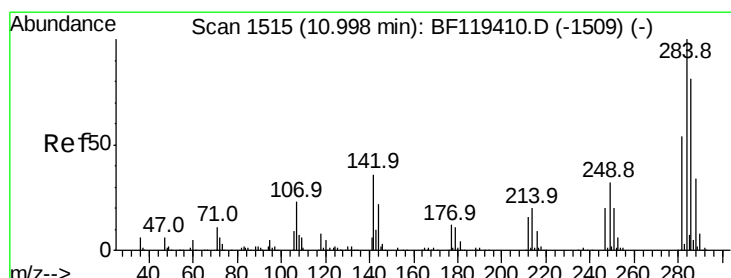
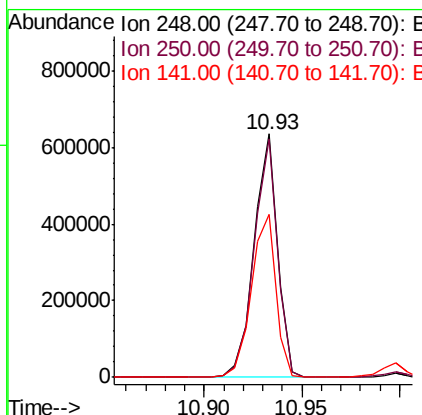
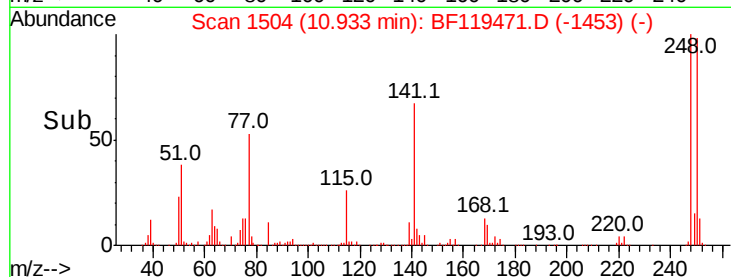
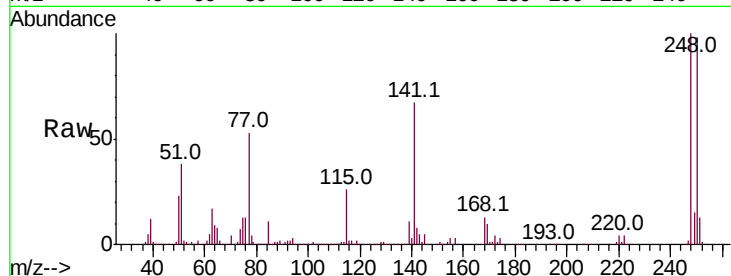
#67
 4-Bromophenyl-phenylether
 Concen: 37.232 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.0	115.6
141	67.0	59.7	89.5

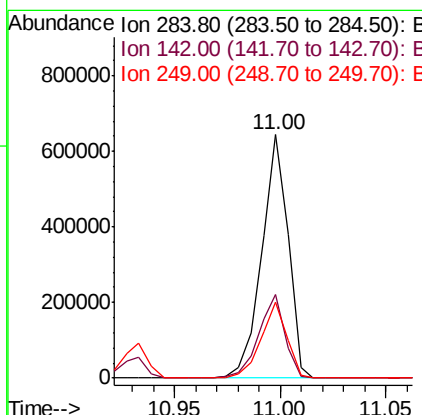
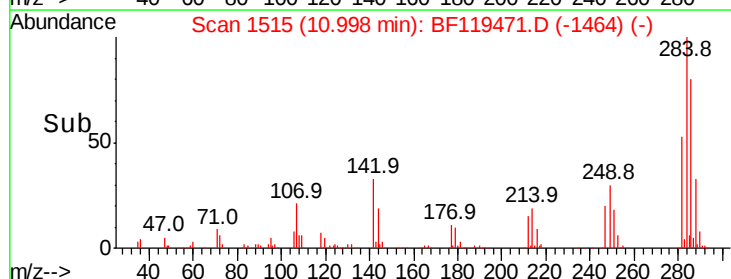
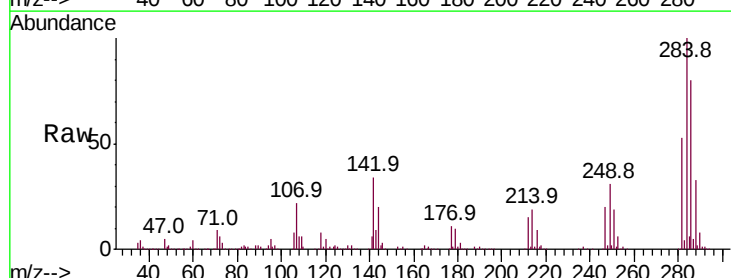
Manual Integrations
 APPROVED

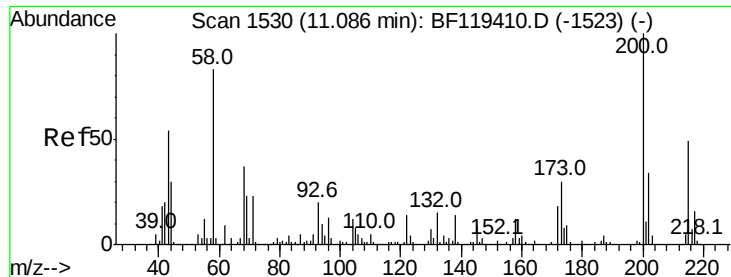
mohammad
 3/23/2020 9:40:40 AM



#68
 Hexachlorobenzene
 Concen: 38.383 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.4	28.7	43.1
249	30.9	25.4	38.0





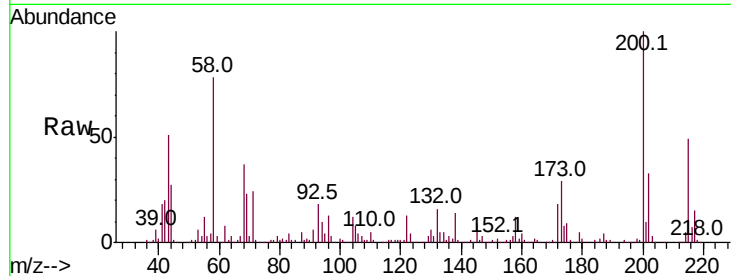
#69
Atrazine
Concen: 41.529 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.3	9.9	49.9
215	49.1	29.4	69.4

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mohammad
3/23/2020 9:40:40 AM

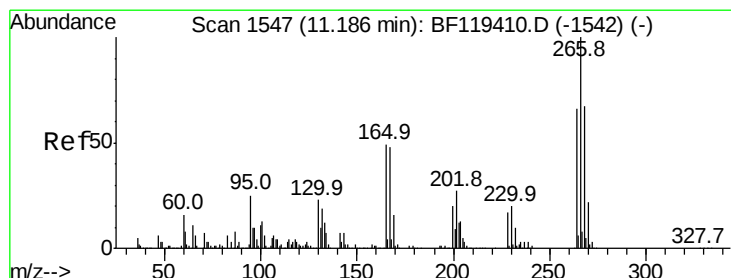
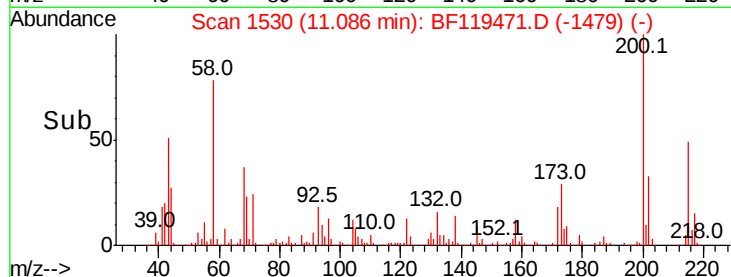
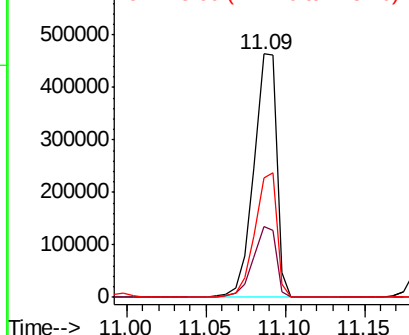


Abundance

Ion 200.00 (199.70 to 200.70): E

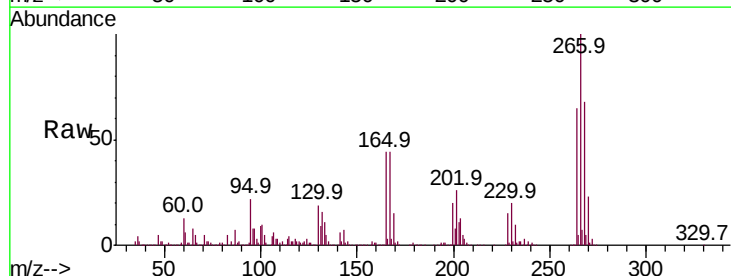
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 72.698 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.5	53.7	80.5
264	65.3	52.5	78.7

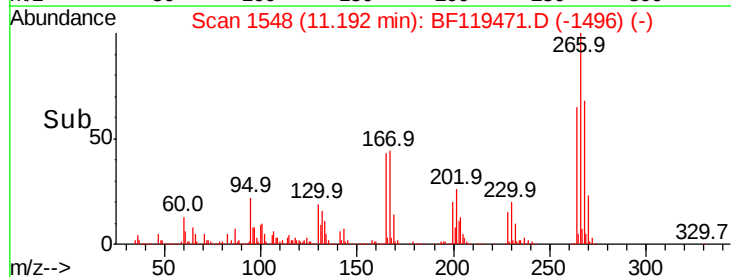
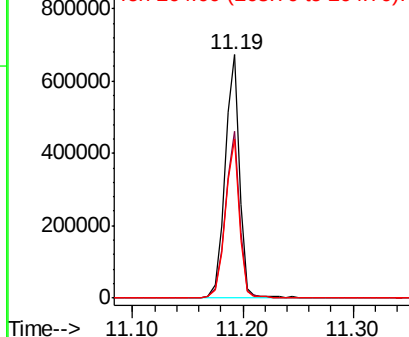


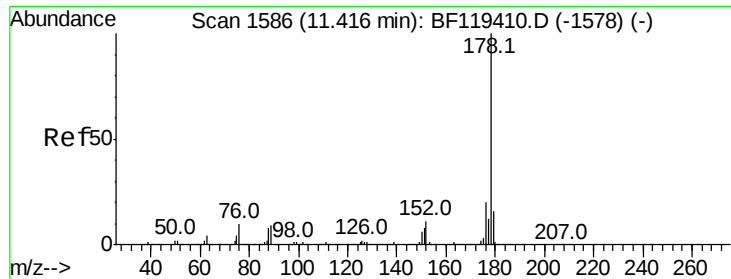
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 38.503 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:178 Resp: 2496077

Ion Ratio Lower Upper

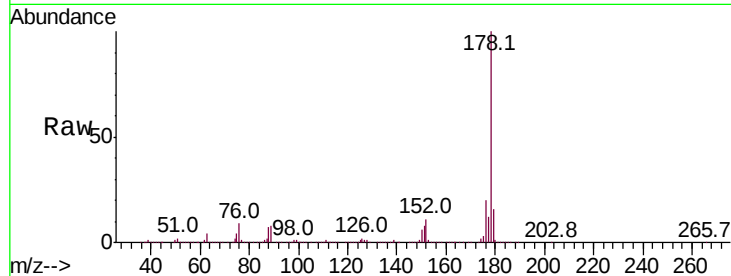
178 100

176 20.1 16.2 24.4

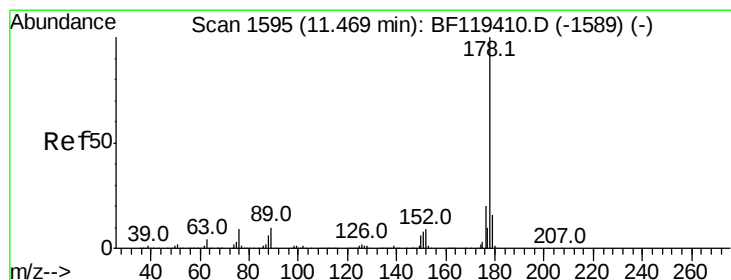
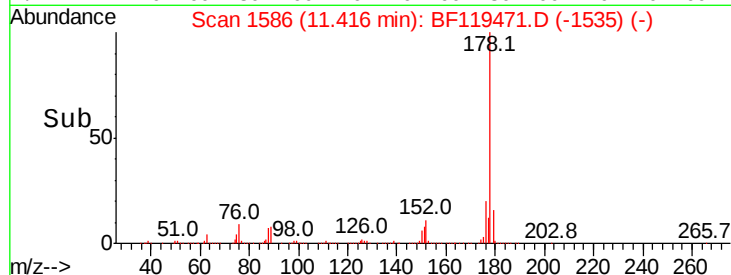
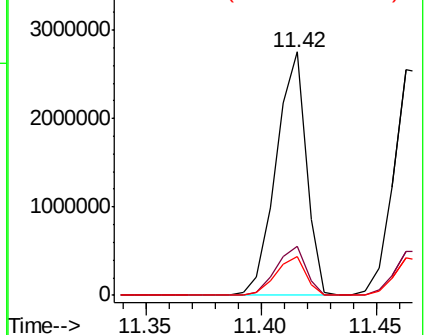
179 16.1 12.9 19.3

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mohammad
3/23/2020 9:40:40 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 38.193 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Tgt Ion:178 Resp: 2516445

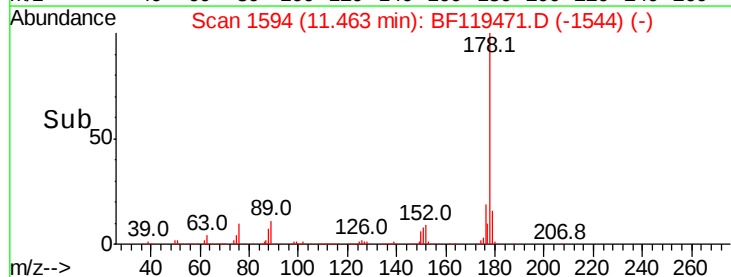
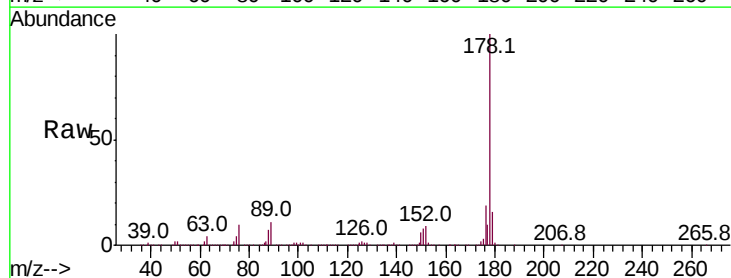
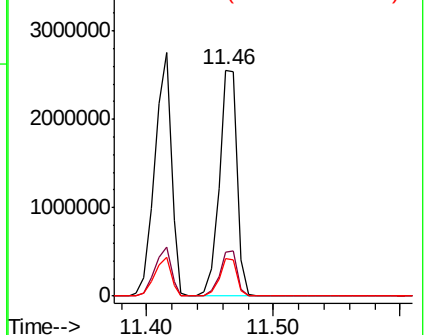
Ion Ratio Lower Upper

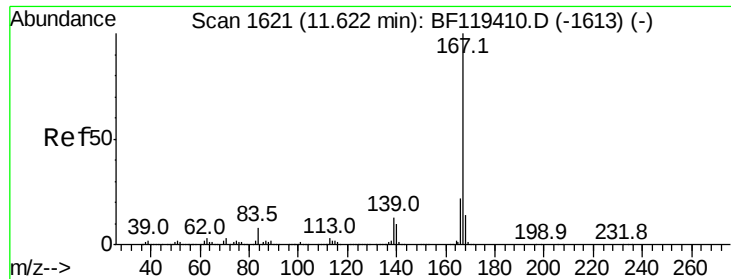
178 100

176 19.4 15.6 23.4

179 16.5 13.1 19.7

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





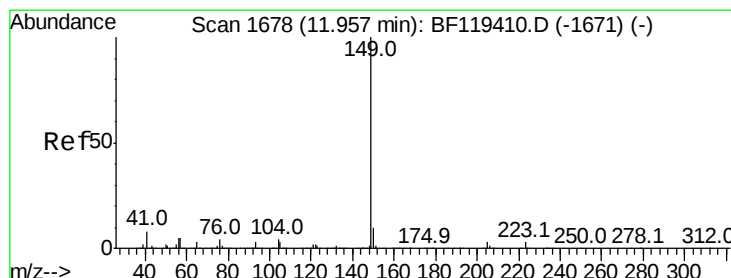
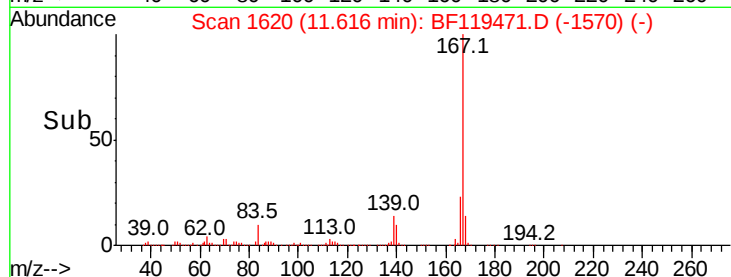
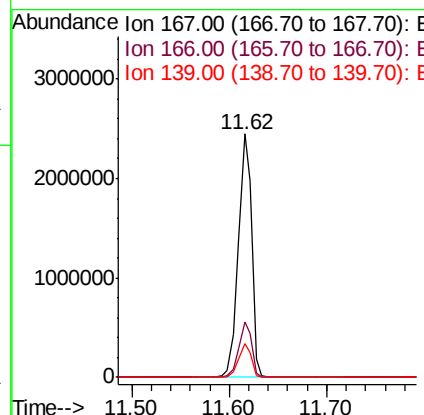
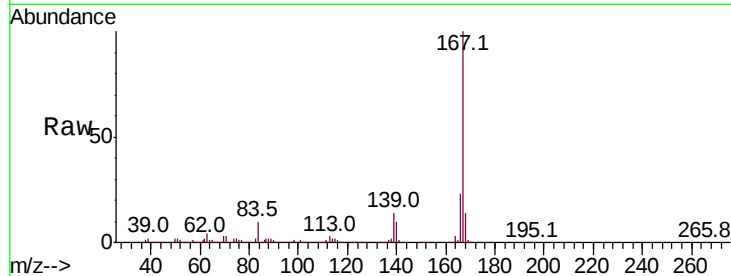
#73
 Carbazole
 Concen: 35.635 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.6
139	13.9	10.2	15.4

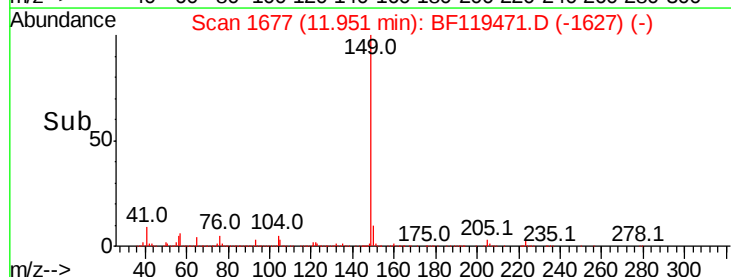
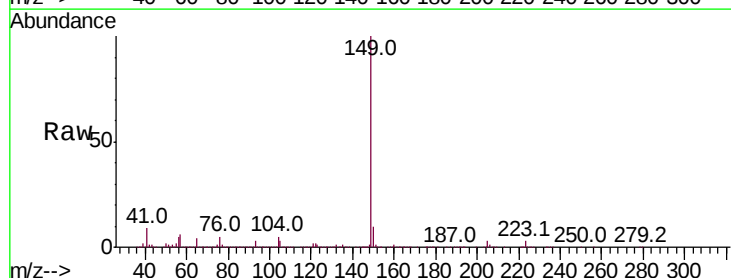
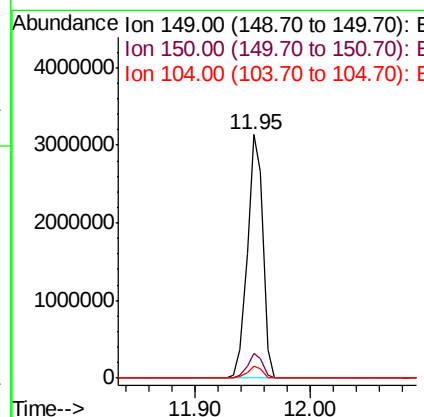
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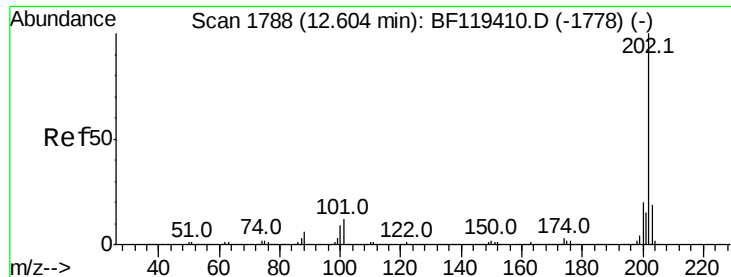
mohammad
 3/23/2020 9:40:40 AM



#74
 Di-n-butylphthalate
 Concen: 41.490 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.6	11.4
104	5.0	3.5	5.3





#75

Fluoranthene

Concen: 36.899 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

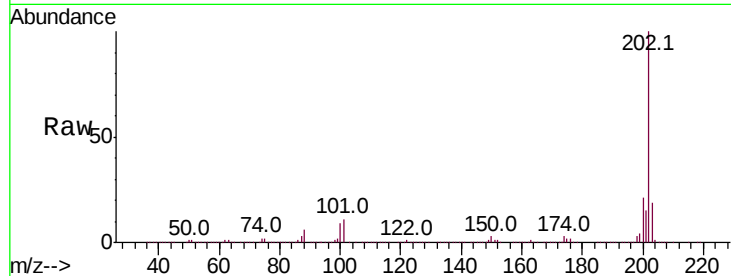
ClientSampleId :

BU-02-031920MSD

Tot Ion:	202	Resp:	2588844
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	32.4
203	18.8	0.0	38.5

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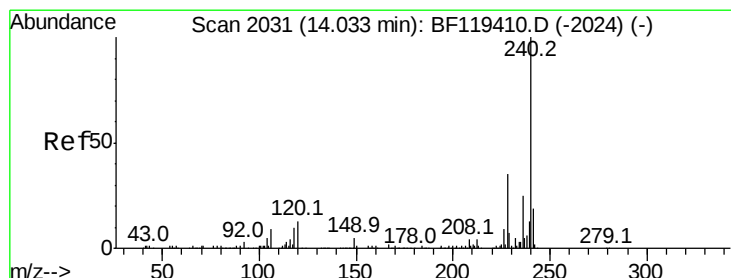
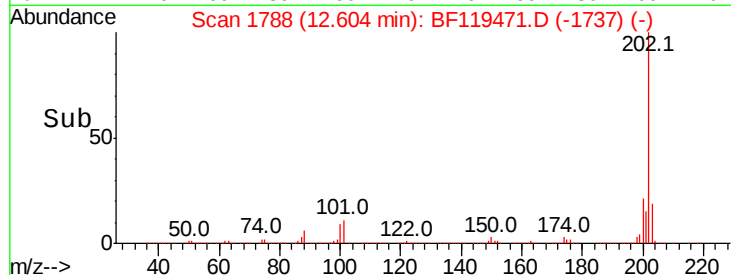
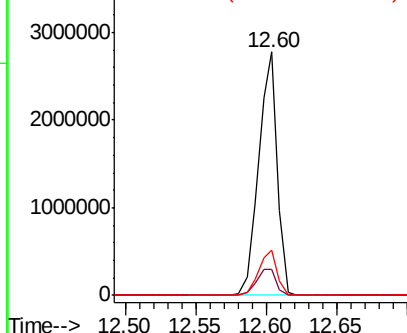


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

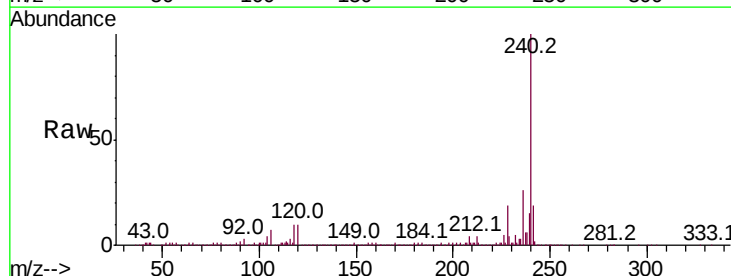
RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Tgt Ion:	240	Resp:	715082
Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.2	15.4
236	25.9	20.4	30.6

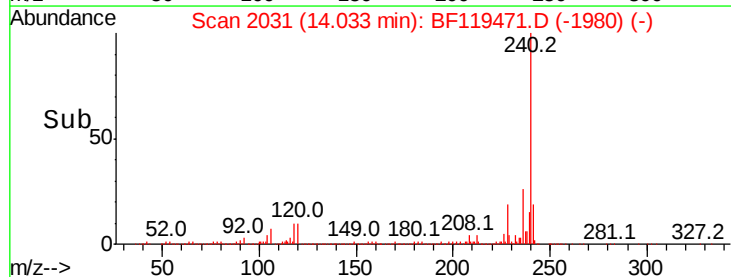
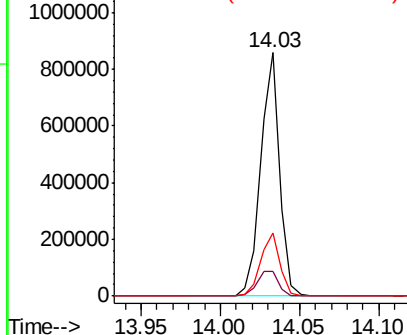


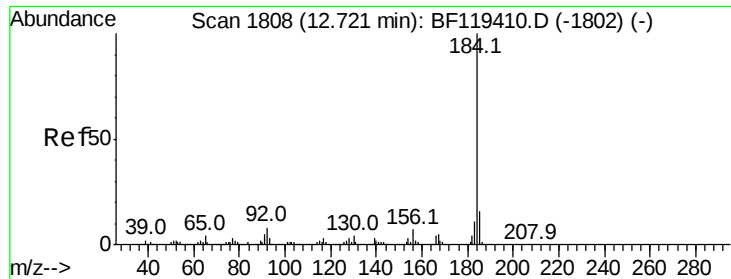
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 45.647 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:184 Resp: 1381397

Ion Ratio Lower Upper

184 100

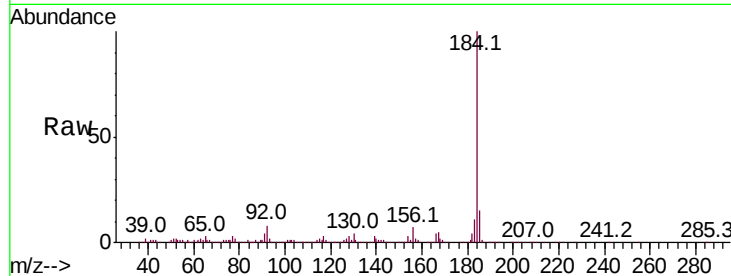
185 14.7 12.9 19.3

183 10.9 9.0 13.4

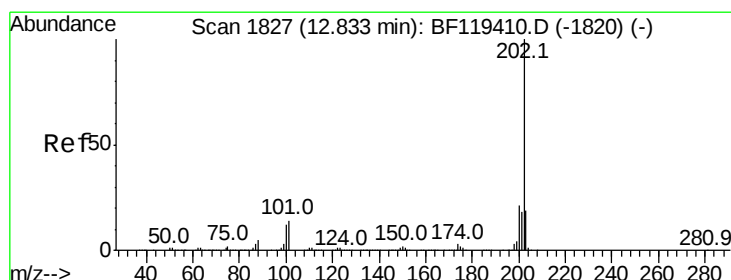
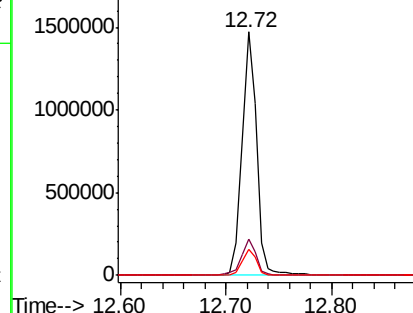
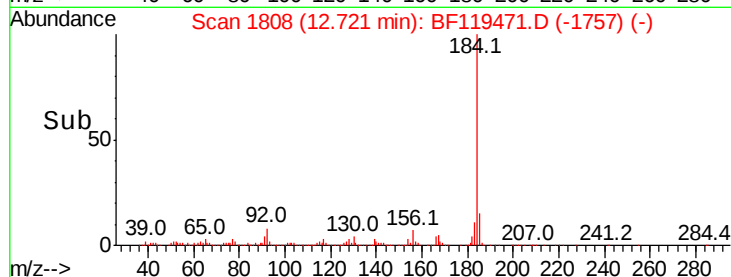
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Abundance Ion 184.00 (183.70 to 184.70): E
2000000
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.596 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

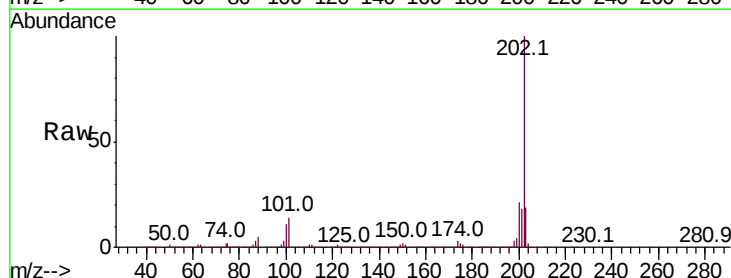
Tgt Ion:202 Resp: 2558464

Ion Ratio Lower Upper

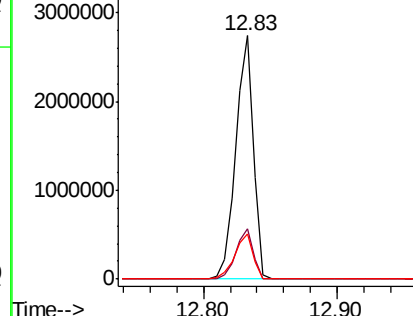
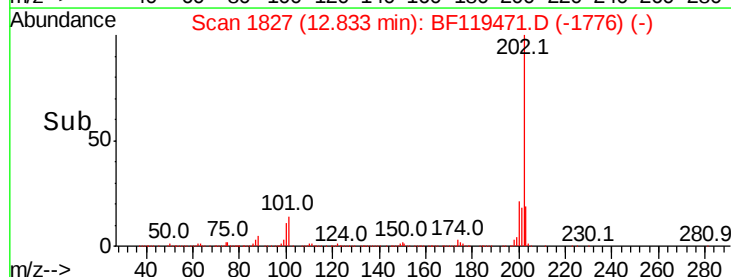
202 100

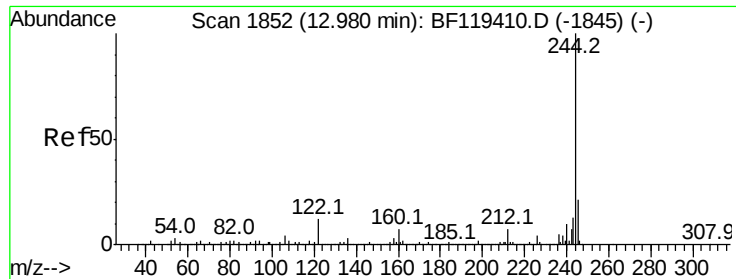
200 20.8 16.8 25.2

203 18.6 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E
3000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





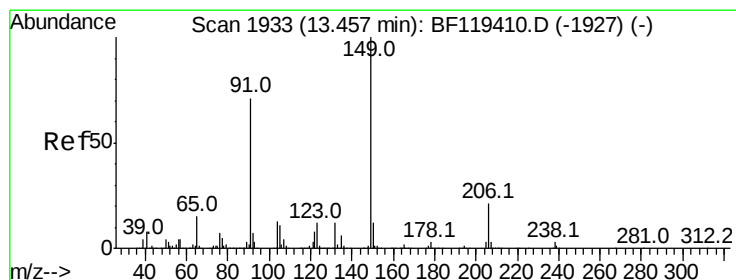
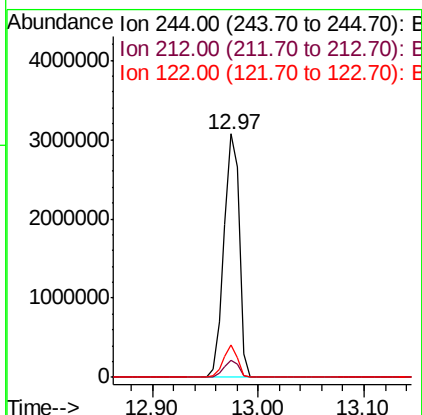
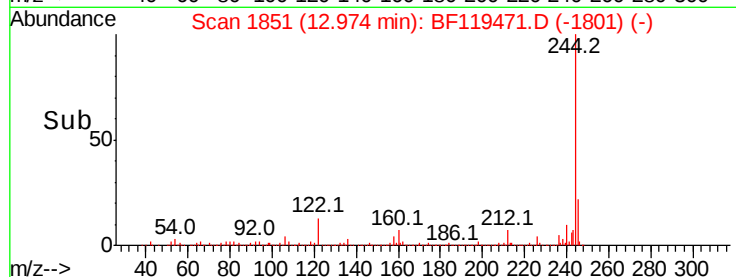
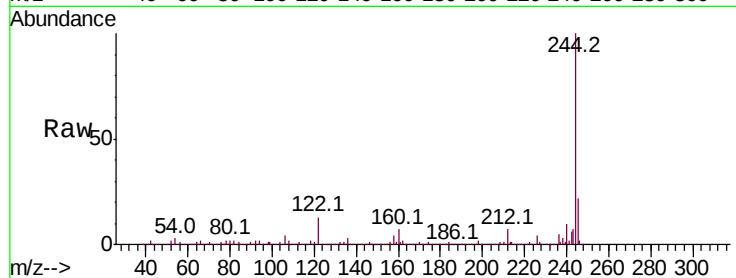
#79
 Terphenyl-d14
 Concen: 85.368 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tot Ion:244 Resp: 3115800
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 13.2 9.8 14.8

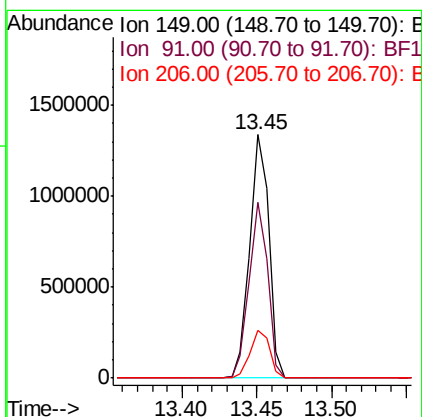
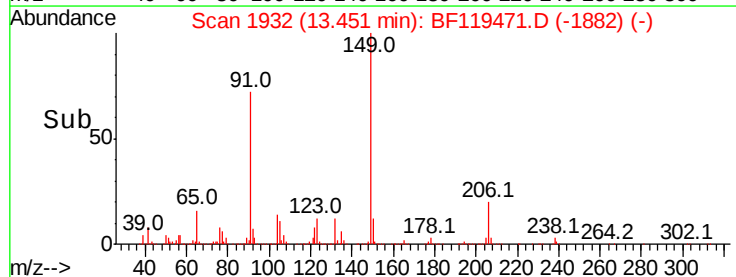
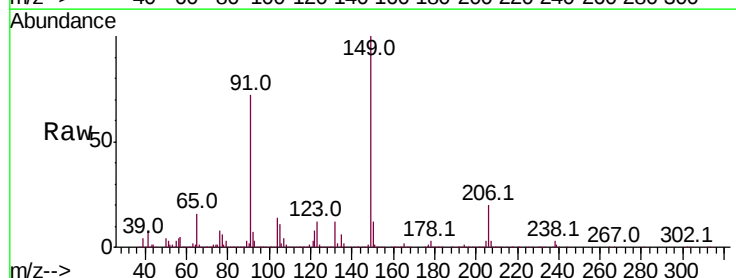
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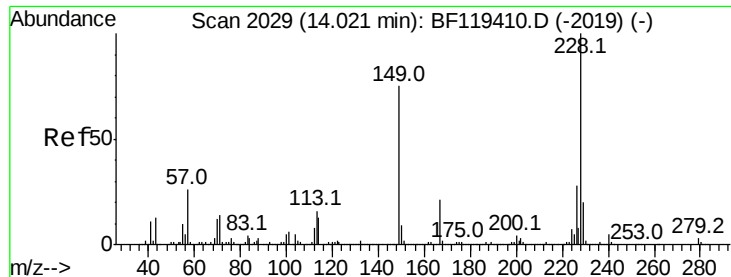
mohammad
 3/23/2020 9:40:40 AM



#80
 Butylbenzylphthalate
 Concen: 49.688 ng
 RT: 13.45 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BF119471.D
 Acq: 20 Mar 2020 14:44

Tgt Ion:149 Resp: 1179379
 Ion Ratio Lower Upper
 149 100
 91 72.5 57.0 85.6
 206 19.8 16.4 24.6





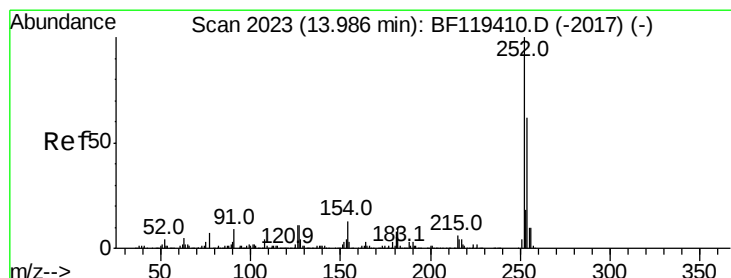
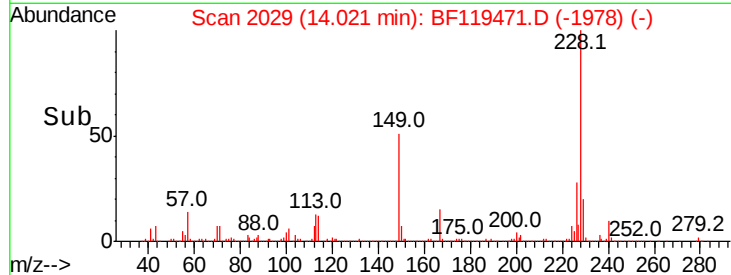
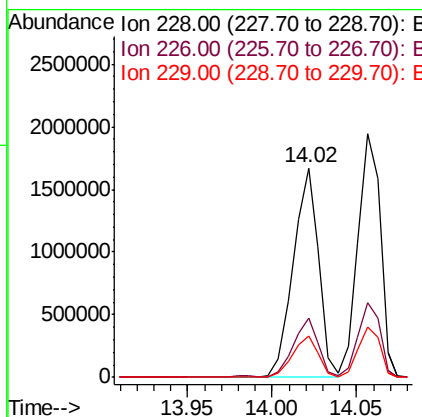
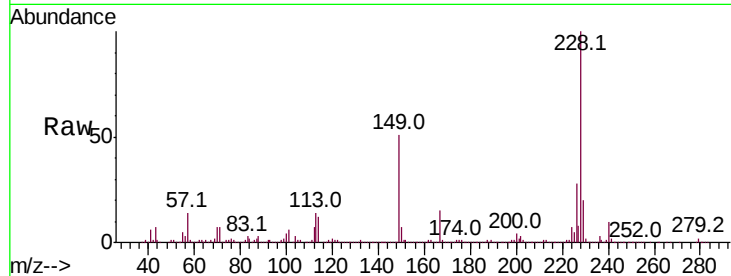
#81
Benzo(a)anthracene
Concen: 37.630 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion:228 Resp: 1749826
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 20.0 16.3 24.5

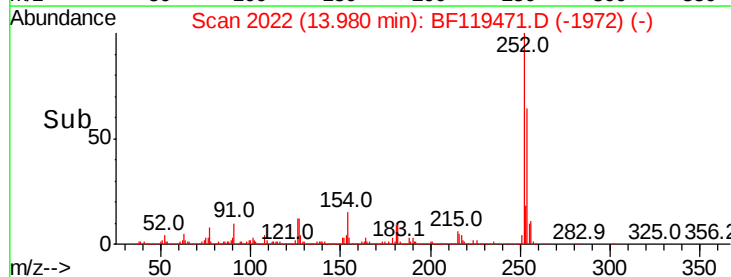
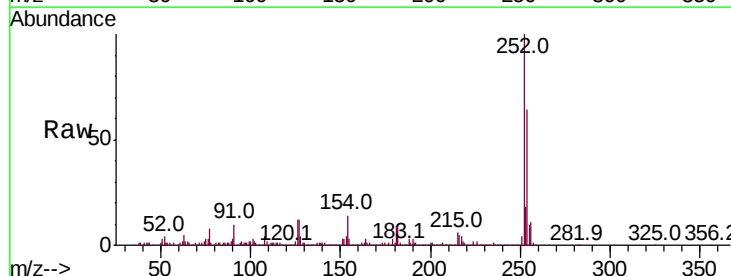
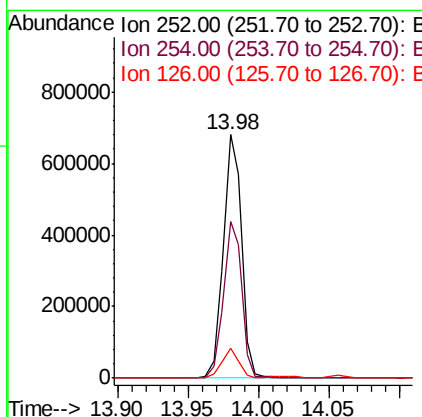
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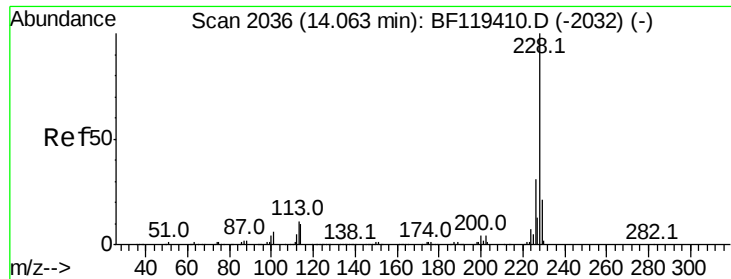
mohammad
3/23/2020 9:40:40 AM



#82
3,3'-Dichlorobenzidine
Concen: 33.432 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion:252 Resp: 612961
Ion Ratio Lower Upper
252 100
254 64.3 49.8 74.8
126 12.5 8.9 13.3





#83

Chrysene

Concen: 37.239 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:228 Resp: 1787118

Ion Ratio Lower Upper

228 100

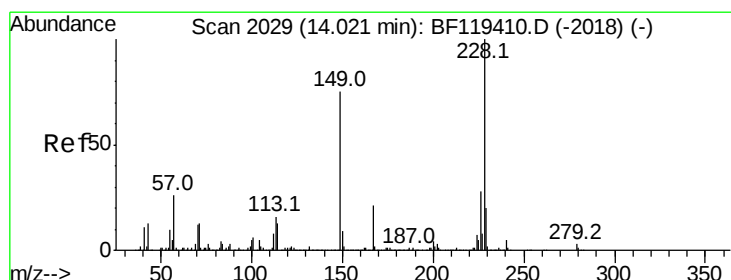
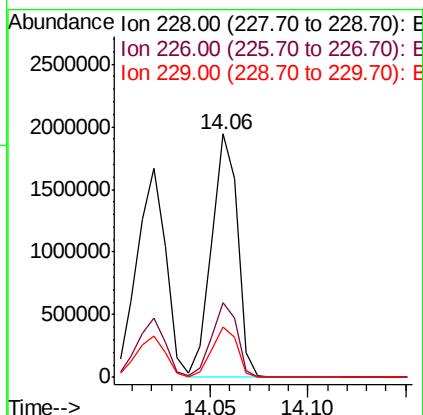
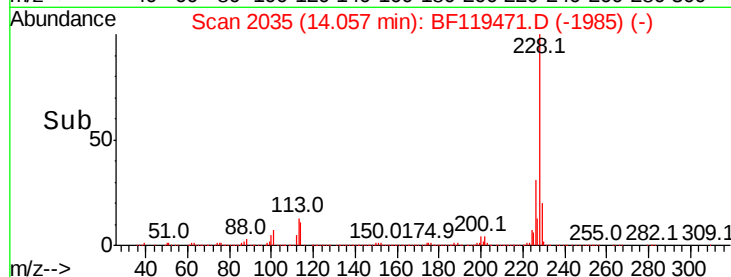
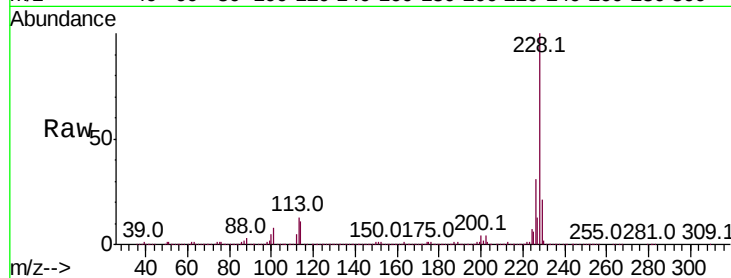
226 30.6 24.8 37.2

229 20.5 16.6 25.0

Manual Integrations
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#84

Bis(2-ethylhexyl)phthalate

Concen: 52.960 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

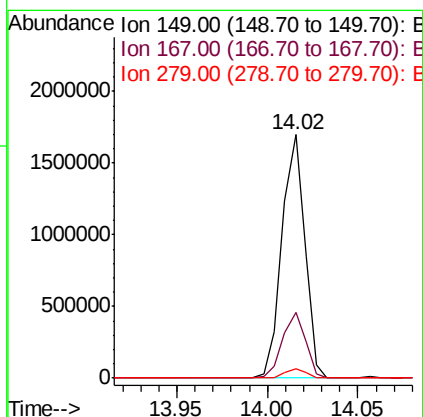
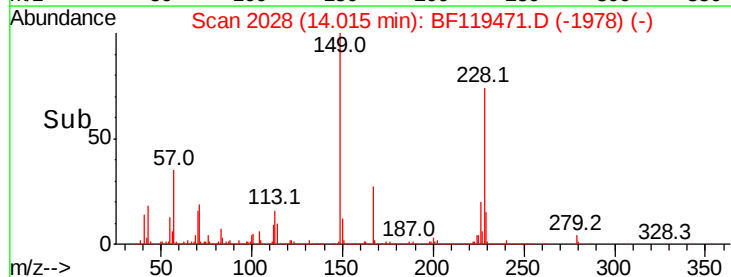
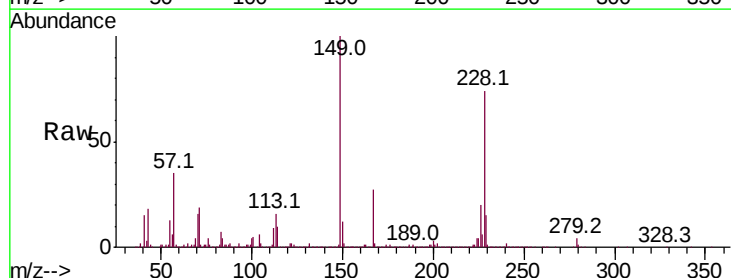
Tgt Ion:149 Resp: 1498499

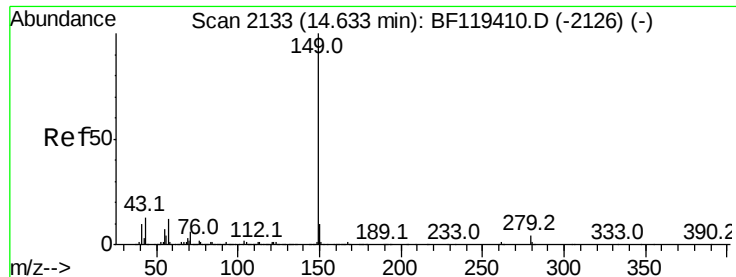
Ion Ratio Lower Upper

149 100

167 27.0 22.0 33.0

279 3.7 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 48.050 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Instrument :

BNA_F

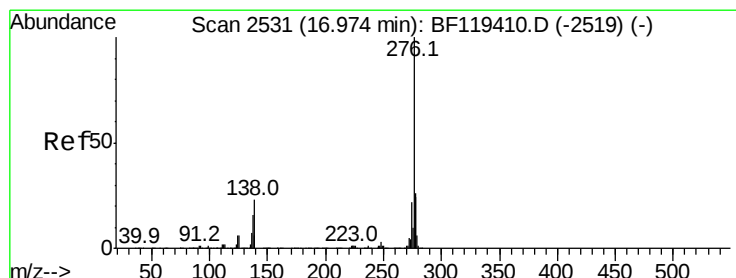
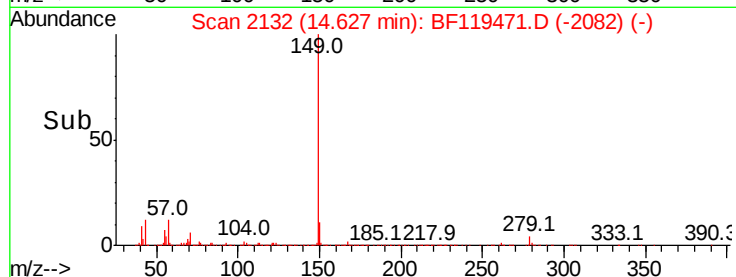
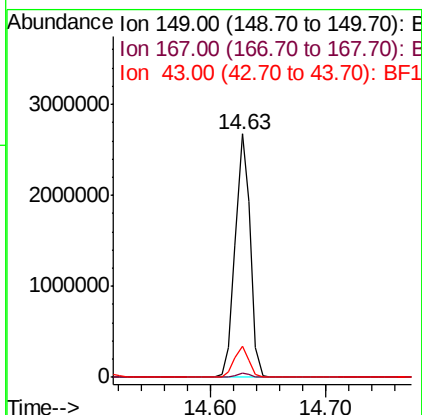
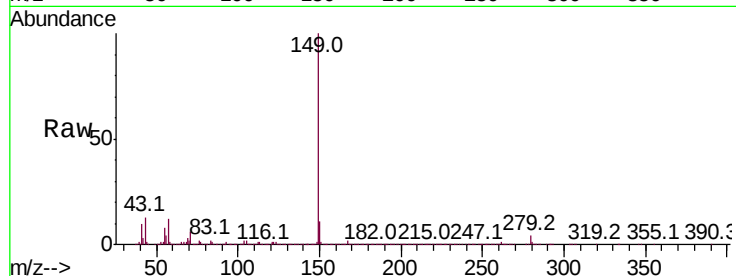
ClientSampleId :

BU-02-031920MSD

Tot Ion:	149	Resp:	2391107
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.8	10.1	15.1

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 43.577 ng

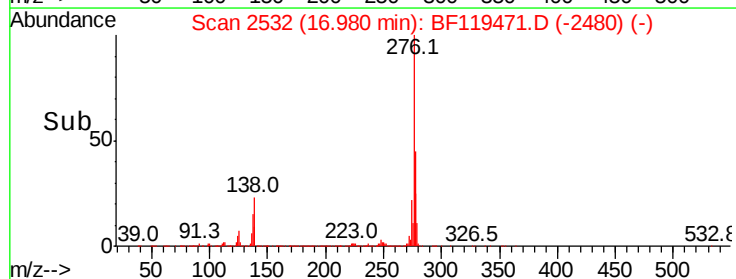
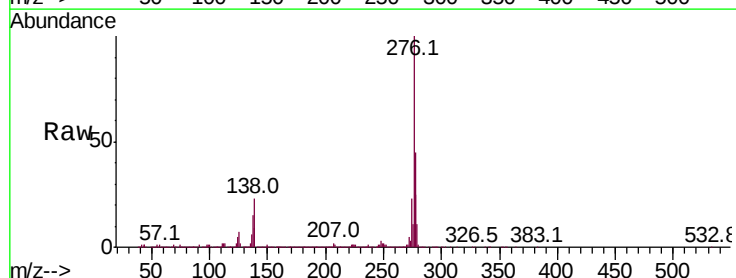
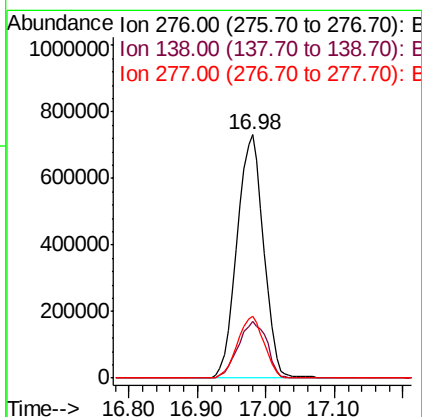
RT: 16.98 min Scan# 2532

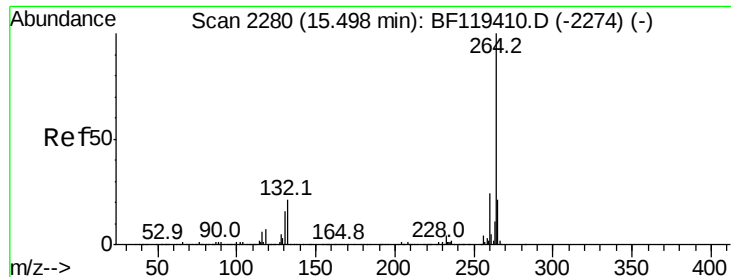
Delta R.T. 0.01 min

Lab File: BF119471.D

Acq: 20 Mar 2020 14:44

Tgt Ion:	276	Resp:	1969595
Ion	Ratio	Lower	Upper
276	100		
138	24.9	21.3	31.9
277	25.5	20.2	30.2





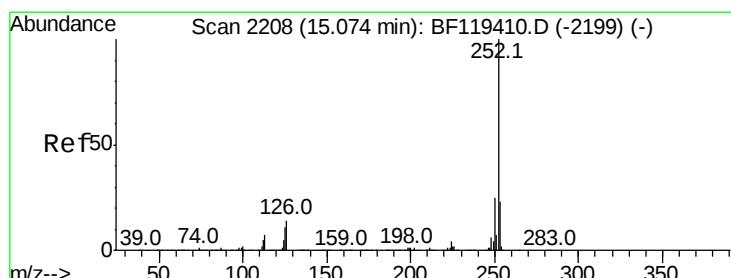
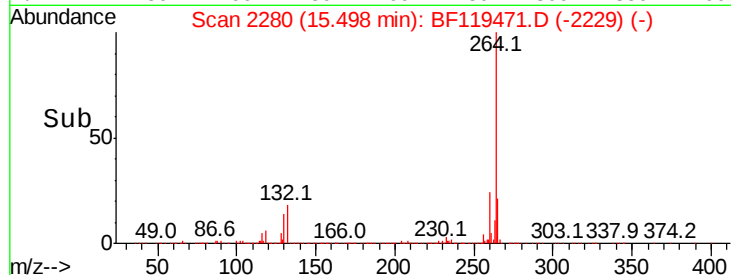
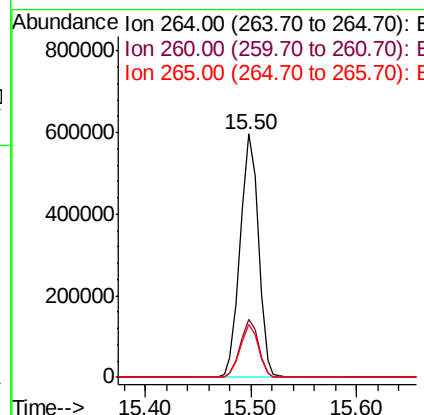
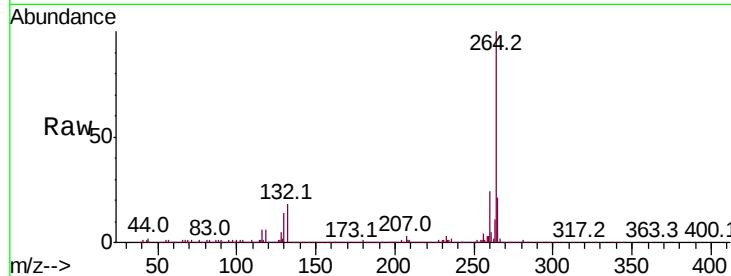
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	16.9	25.3

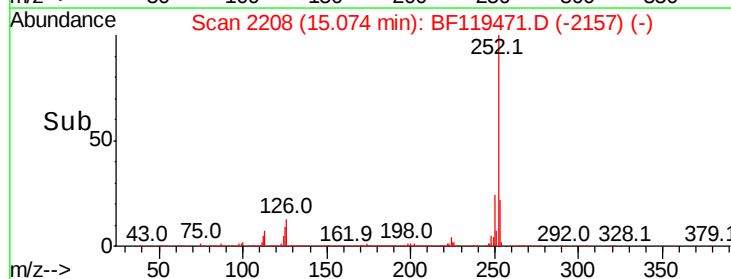
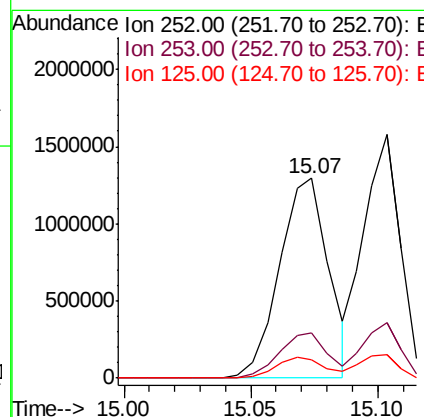
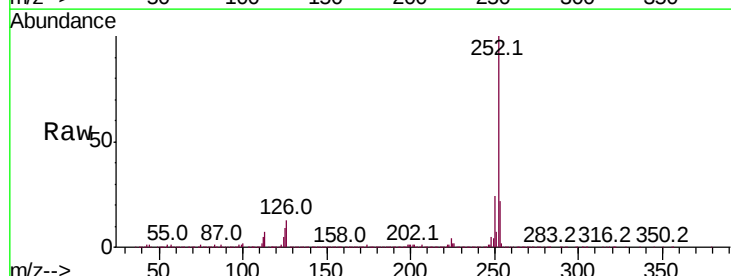
Manual Integrations
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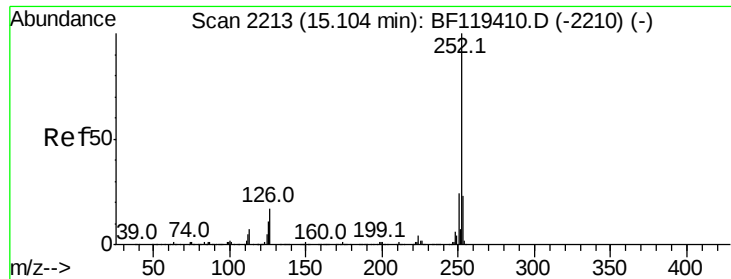
mohammad
3/23/2020 9:40:40 AM



#88
Benzo(b)fluoranthene
Concen: 36.841 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	9.5	8.8	13.2





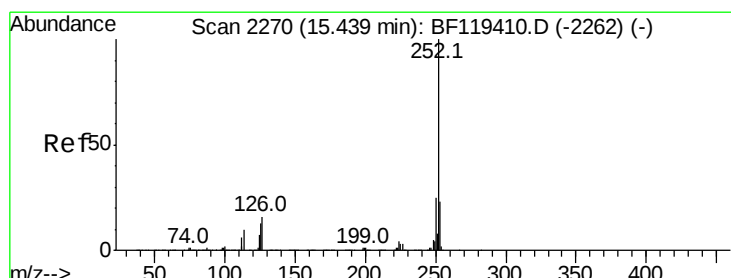
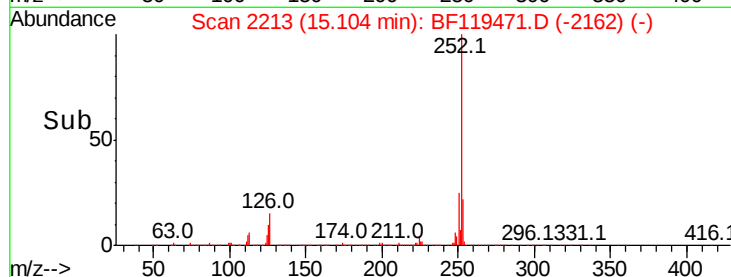
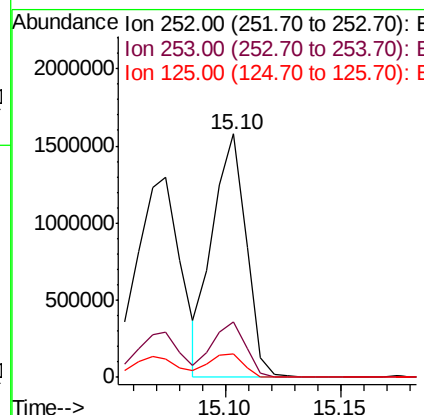
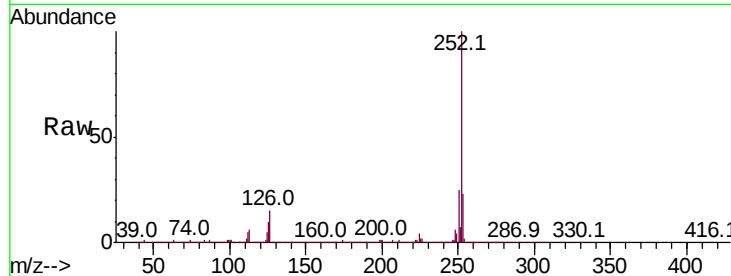
#89
Benzo(k)fluoranthene
Concen: 35.141 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	9.8	9.0	13.4

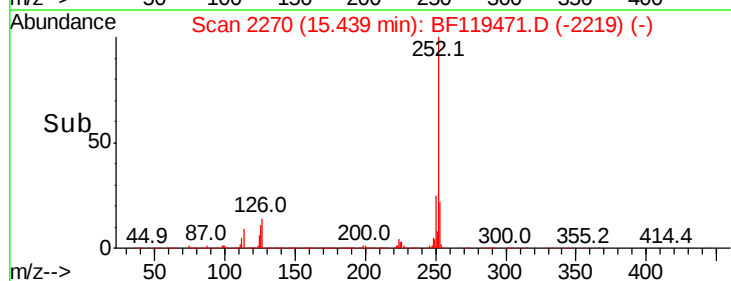
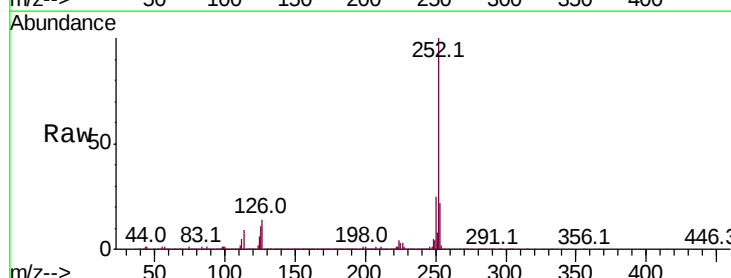
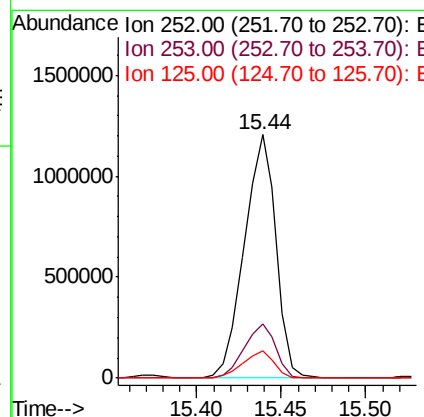
Manual Integrations
APPROVED

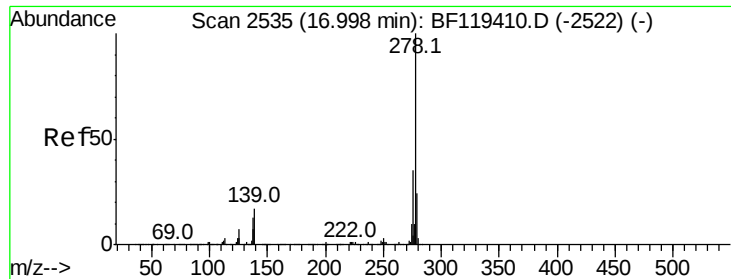
mohammad
3/23/2020 9:40:40 AM



#90
Benzo(a)pyrene
Concen: 36.311 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	11.4	10.2	15.2





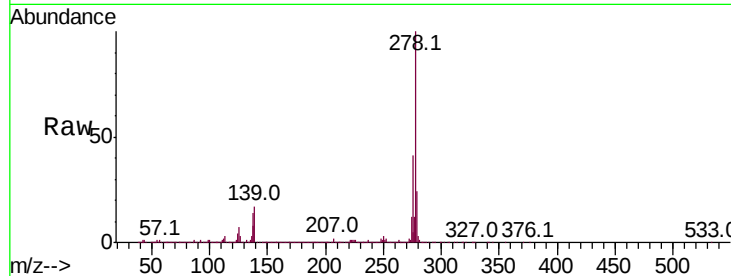
#91
Dibenzo(a,h)anthracene
Concen: 43.214 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.7	20.5
279	24.0	19.2	28.8

Manual Integrations
APPROVED

mohammad
3/23/2020 9:40:40 AM

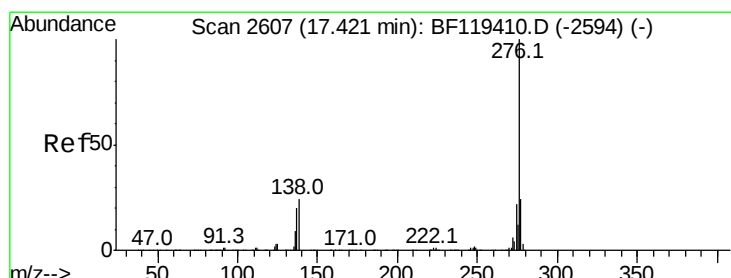
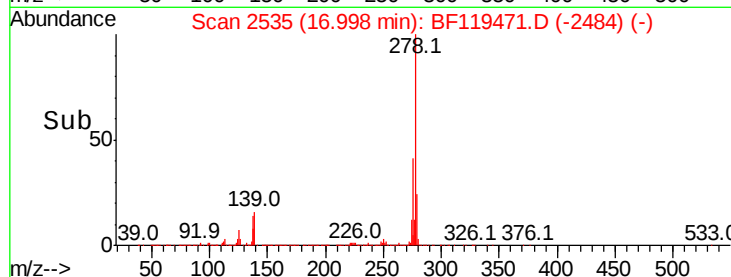
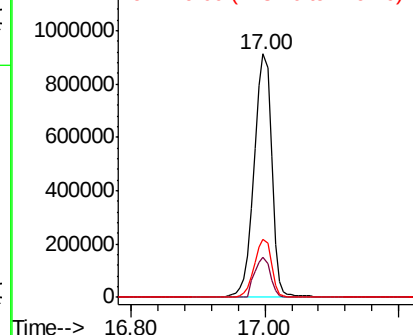


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 45.312 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF119471.D
Acq: 20 Mar 2020 14:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.9	19.1	28.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

