

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
 Data File : BF119475.D
 Acq On : 20 Mar 2020 16:42
 Operator : CG/JU
 Sample : L1749-03MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Manual Integrations
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mohammad
 3/23/2020 9:40:47 AM

Quant Time: Mar 23 04:34:52 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	292853	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1149691	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	604628	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1106725	20.00	ng	0.00
76) Chrysene-d12	14.03	240	573523	20.00	ng	0.00
87) Perylene-d12	15.50	264	618846	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2204814	119.85	ng	0.02
7) Phenol-d6	6.48	99	2662971	113.32	ng	0.00
23) Nitrobenzene-d5	7.42	82	1927940	91.14	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	858676	137.66	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3440415	84.30	ng	0.00
79) Terphenyl-d14	12.97	244	3630909	124.04	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.76	88	336413	37.026	ng	# 82
3) Pyridine	3.47	79	635300	25.381	ng	97
4) n-Nitrosodimethylamine	3.41	42	508113	41.626	ng	96
6) Aniline	6.52	93	541104	16.683	ng	96
8) 2-Chlorophenol	6.64	128	970817	50.246	ng	99
9) Benzaldehyde	6.40	77	632042	42.397	ng	99
10) Phenol	6.49	94	1023572m	40.820	ng	
11) bis(2-Chloroethyl)ether	6.59	93	961864	47.962	ng	98
12) 1,3-Dichlorobenzene	6.79	146	928756	44.413	ng	100
13) 1,4-Dichlorobenzene	6.87	146	941655	45.019	ng	98
14) 1,2-Dichlorobenzene	7.02	146	886075	45.321	ng	97
15) Benzyl Alcohol	6.99	79	853228	48.267	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1779897	44.000	ng	97
17) 2-Methylphenol	7.10	107	776306	43.852	ng	99
18) Hexachloroethane	7.37	117	351272	45.826	ng	95
19) n-Nitroso-di-n-propylamine	7.27	70	683250	48.236	ng	96
20) 3+4-Methylphenols	7.26	107	912786	42.072	ng	# 79
22) Acetophenone	7.26	105	1268919	46.190	ng	95
24) Nitrobenzene	7.43	77	1016626	44.969	ng	98
25) Isophorone	7.67	82	1924827	44.855	ng	99
26) 2-Nitrophenol	7.75	139	510978	57.404	ng	99
27) 2,4-Dimethylphenol	7.79	122	906303	49.240	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	1200294	47.302	ng	98
29) 2,4-Dichlorophenol	7.99	162	801131	47.371	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	856147	45.776	ng	99
31) Naphthalene	8.16	128	2704589	45.713	ng	100
32) Benzoic acid	7.90	122	536782	45.338	ng	99
33) 4-Chloroaniline	8.20	127	238093	8.782	ng	97
34) Hexachlorobutadiene	8.28	225	471977	45.103	ng	99
35) Caprolactam	8.57	113	195939m	35.401	ng	
36) 4-Chloro-3-methylphenol	8.69	107	874419	47.307	ng	99
37) 2-Methylnaphthalene	8.86	142	1858012	47.851	ng	98
38) 1-Methylnaphthalene	8.95	142	1735575	47.223	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	789267	44.536	ng	99

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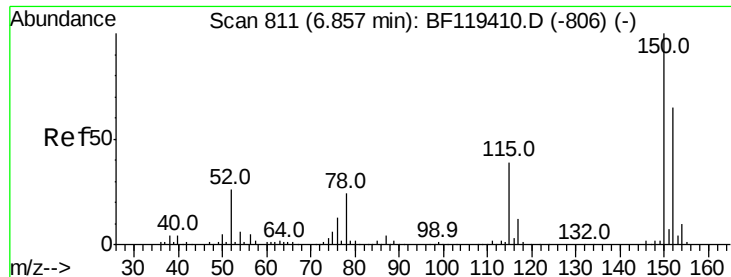
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	705422	70.015	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	607859	47.930	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	624065	43.926	ng	100
46) 1,1'-Biphenyl	9.32	154	2207413	44.826	ng	98
47) 2-Chloronaphthalene	9.35	162	1706710	44.246	ng	99
48) 2-Nitroaniline	9.43	65	645676	48.496	ng	98
49) Acenaphthylene	9.76	152	2715123	44.823	ng	99
50) Dimethylphthalate	9.62	163	2295974	53.461	ng	98
51) 2,6-Dinitrotoluene	9.68	165	461019	50.081	ng	93
52) Acenaphthene	9.93	154	1810033	47.932	ng	98
53) 3-Nitroaniline	9.85	138	178731	15.379	ng	91
54) 2,4-Dinitrophenol	9.95	184	353522	87.957	ng	91
55) Dibenzofuran	10.10	168	2446733	45.191	ng	99
56) 4-Nitrophenol	10.01	139	739069	80.614	ng	96
57) 2,4-Dinitrotoluene	10.09	165	614704	53.008	ng	95
58) Fluorene	10.45	166	1842377	46.016	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	520892	49.050	ng	99
60) Diethylphthalate	10.32	149	2084897	47.831	ng	99
61) 4-Chlorophenyl-phenylether	10.44	204	897452	45.838	ng	99
62) 4-Nitroaniline	10.46	138	446850	40.096	ng	99
63) Azobenzene	10.60	77	2008683	45.762	ng	95
65) 4,6-Dinitro-2-methylphenol	10.49	198	256537	55.279	ng	95
66) n-Nitrosodiphenylamine	10.56	169	1744060	48.003	ng	98
67) 4-Bromophenyl-phenylether	10.93	248	583932	46.328	ng	93
68) Hexachlorobenzene	11.00	284	618881	47.975	ng	97
69) Atrazine	11.09	200	522065	52.414	ng	99
70) Pentachlorophenol	11.19	266	682670	90.252	ng	98
71) Phenanthrene	11.42	178	2645286	46.096	ng	100
72) Anthracene	11.46	178	2755713	47.248	ng	99
73) Carbazole	11.62	167	2562615	44.390	ng	98
74) Di-n-butylphthalate	11.95	149	3135683	50.776	ng	98
75) Fluoranthene	12.60	202	2702220	43.510	ng	99
77) Benzidine	12.72	184	1060459	43.691	ng	97
78) Pyrene	12.83	202	2696040	57.279	ng	99
80) Butylbenzylphthalate	13.45	149	1280376	67.257	ng	98
81) Benzo(a)anthracene	14.02	228	1857997	49.819	ng	100
82) 3,3'-Dichlorobenzidine	13.98	252	450752	30.653	ng	98
83) Chrysene	14.06	228	1892327	49.164	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	1551276	68.357	ng	99
85) Di-n-octyl phthalate	14.63	149	2552864	63.963	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	2287269	63.097	ng	98
88) Benzo(b)fluoranthene	15.07	252	1931896	46.733	ng	98
89) Benzo(k)fluoranthene	15.10	252	1717991	43.645	ng	99
90) Benzo(a)pyrene	15.44	252	1739177	46.294	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	1869800	56.903	ng	98
92) Benzo(g,h,i)perylene	17.43	276	1988132	60.225	ng	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: BF119475.D

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Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion:152 Resp: 292853

Ion Ratio Lower Upper

152 100

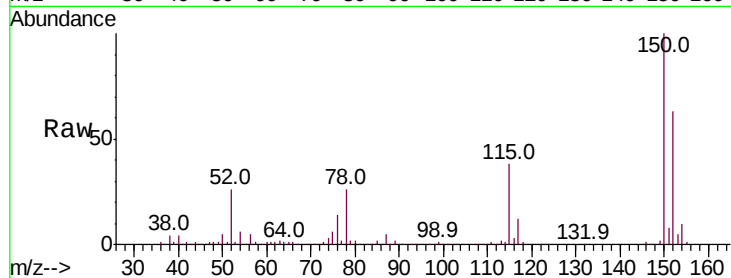
150 157.5 123.9 185.9

115 60.3 47.8 71.6

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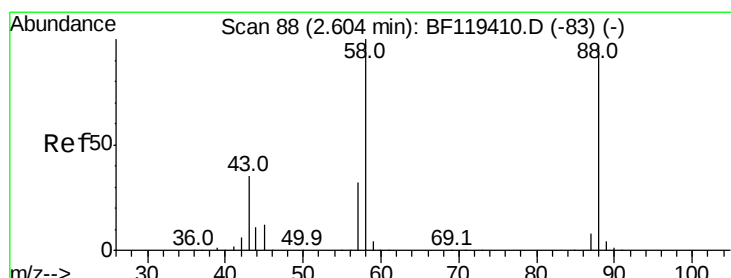
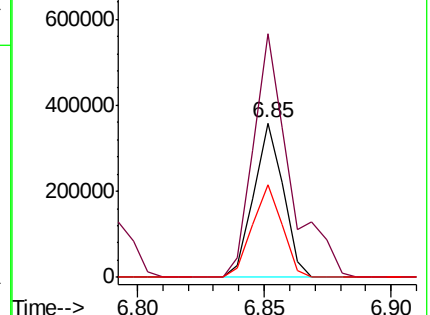
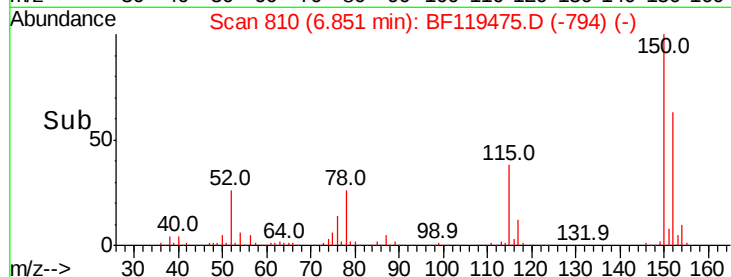
3/23/2020 9:40:47 AM



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: 37.026 ng

RT: 2.76 min Scan# 114

Delta R.T. 0.15 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

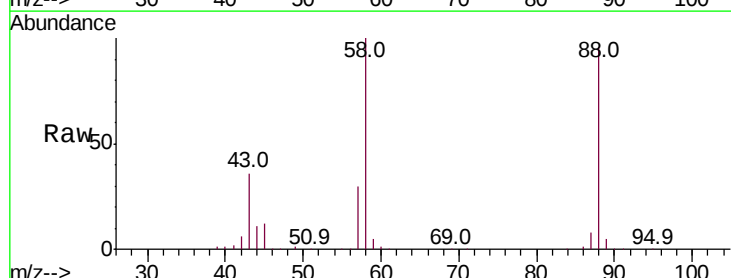
Tgt Ion: 88 Resp: 336413

Ion Ratio Lower Upper

88 100

58 102.4 79.4 119.2

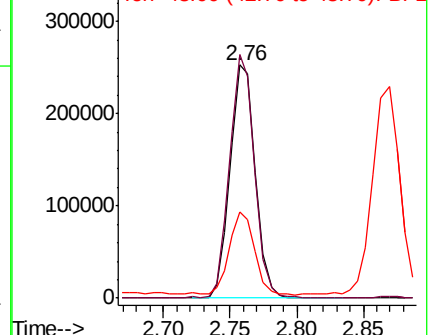
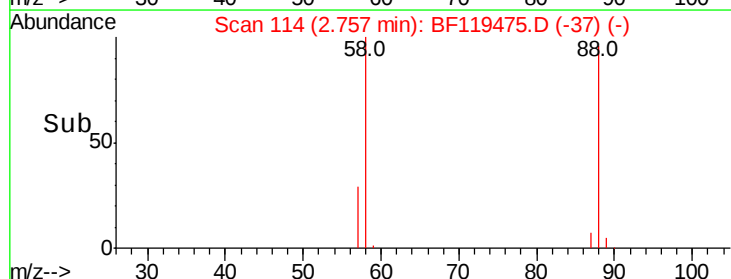
43 0.0 28.4 42.6#

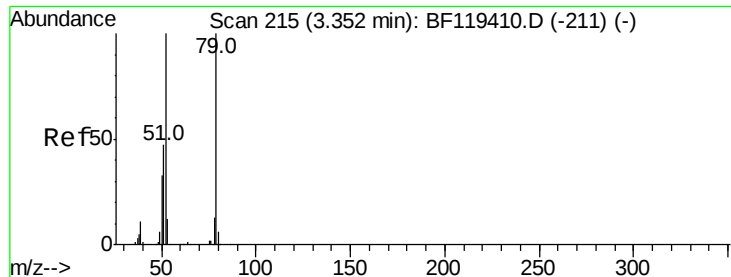


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





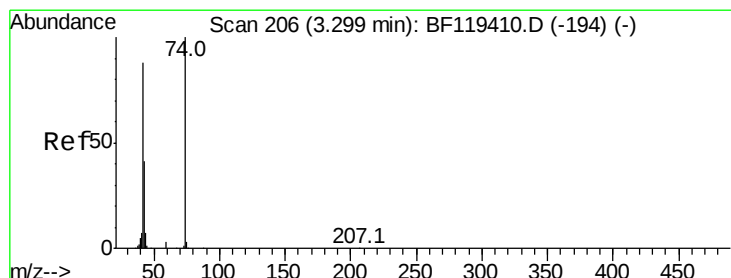
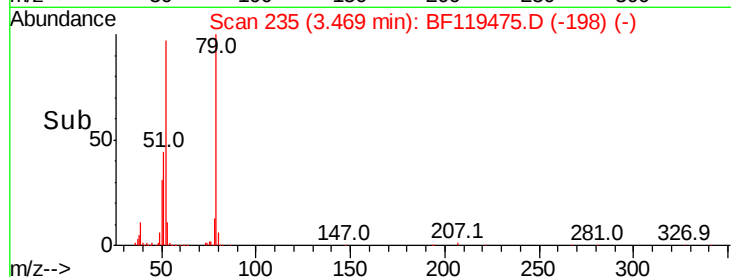
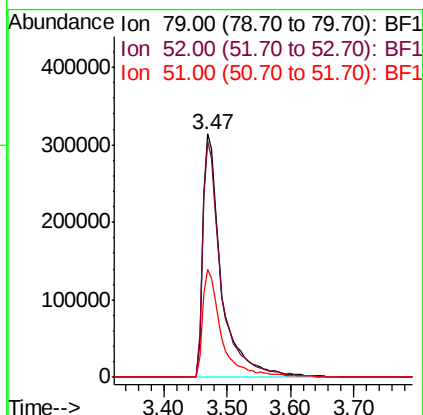
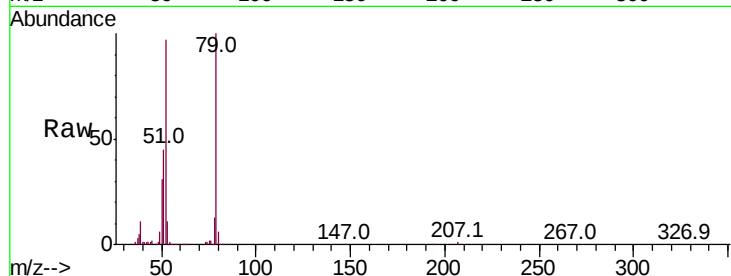
#3
 Pvridine
 Concen: 25.381 ng
 RT: 3.47 min Scan# 235
 Delta R.T. 0.12 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	96.9	80.0	120.0
51	44.5	37.9	56.9

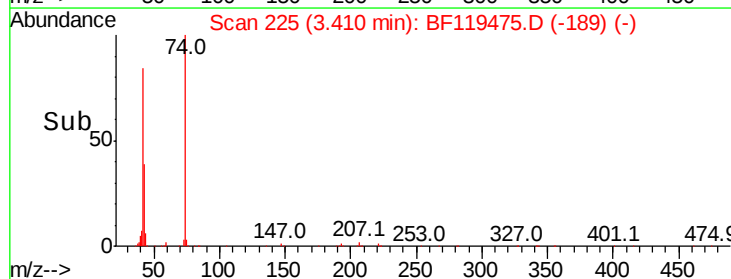
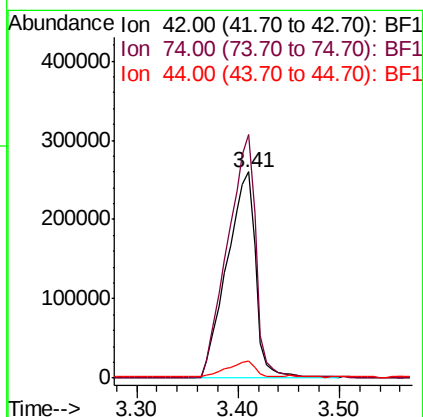
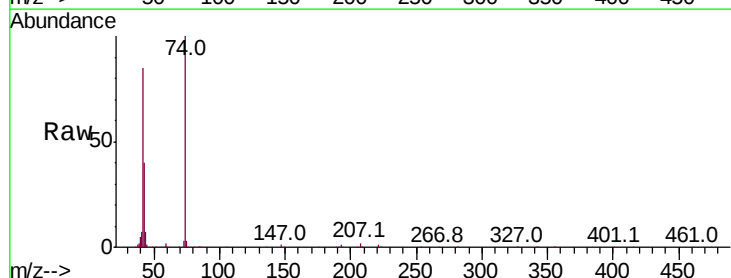
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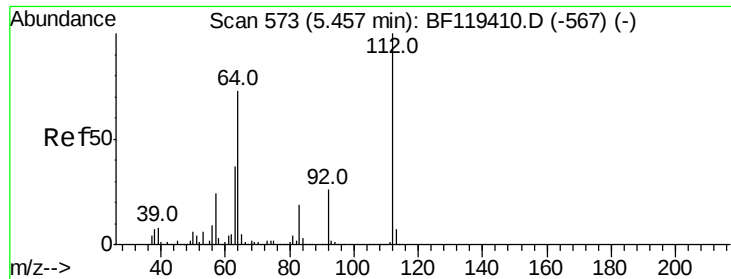
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#4
 n-Nitrosodimethylamine
 Concen: 41.626 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.11 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
42	100		
74	118.1	91.3	136.9
44	8.1	7.1	10.7





#5

2-Fluorophenol

Concen: 119.850 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion:112 Resp: 2204814

Ion Ratio Lower Upper

112 100

64 70.4 58.1 87.1

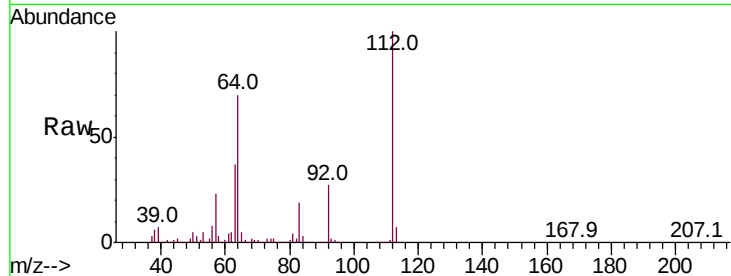
63 36.8 29.7 44.5

Manual Integrations

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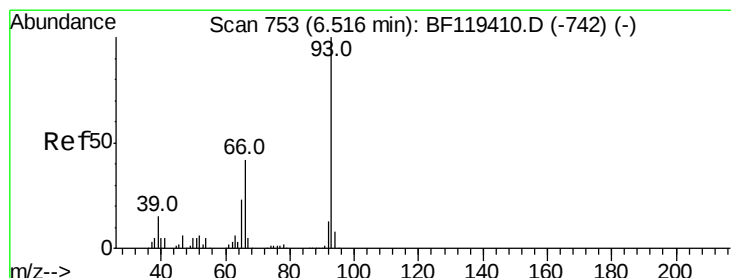
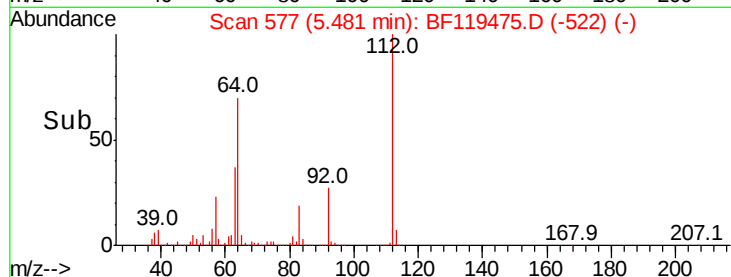
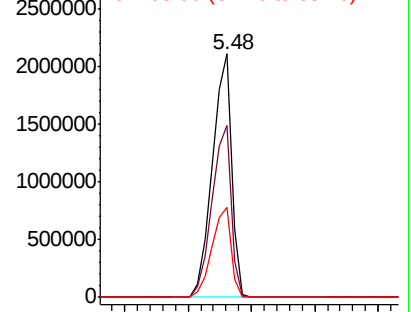
3/23/2020 9:40:47 AM



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: 16.683 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

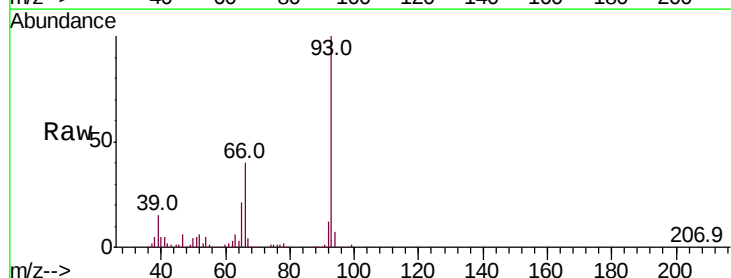
Tgt Ion: 93 Resp: 541104

Ion Ratio Lower Upper

93 100

66 40.4 34.2 51.4

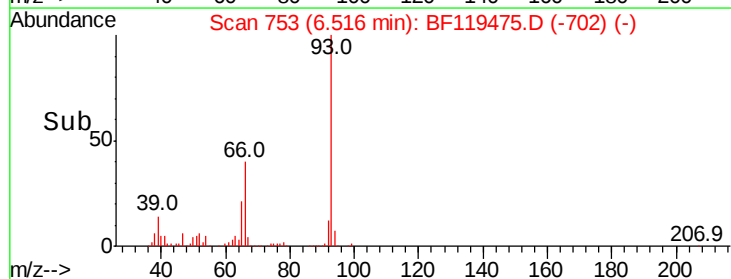
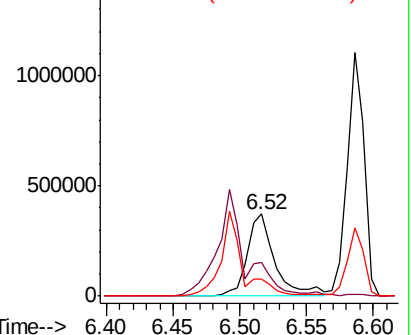
65 21.0 18.2 27.4

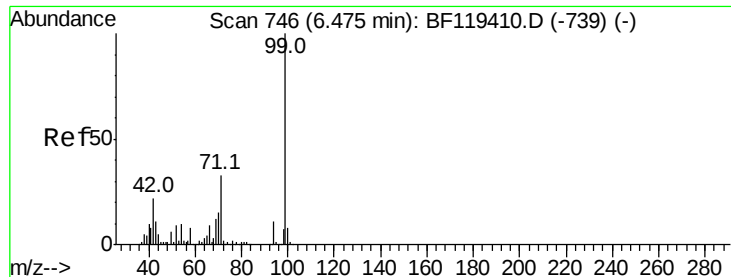


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.317 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion: 99 Resp: 2662971

Ion Ratio Lower Upper

99 100

42 21.2 17.8 26.6

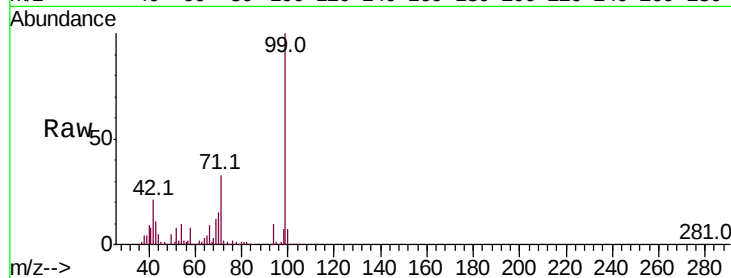
71 33.3 26.0 39.0

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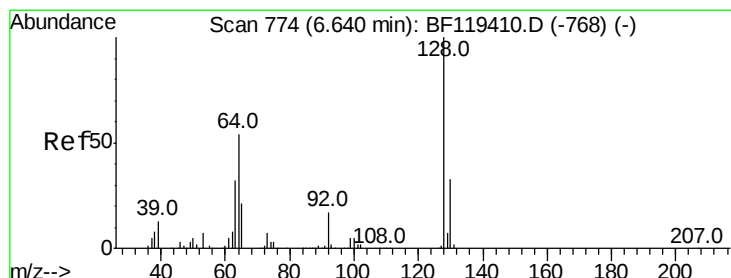
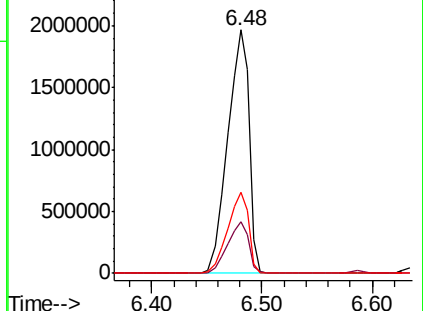
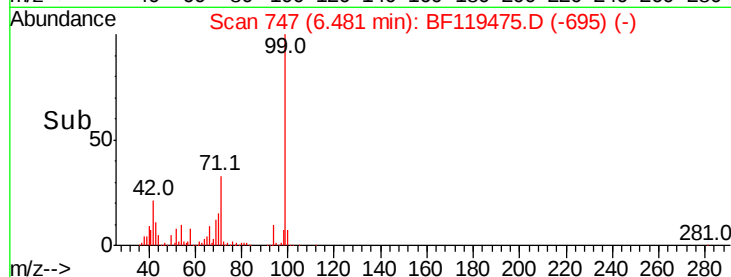
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 50.246 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

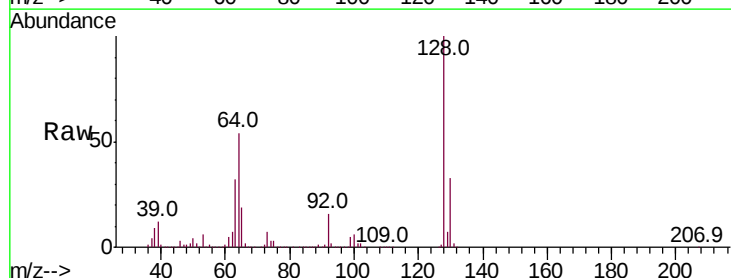
Tgt Ion: 128 Resp: 970817

Ion Ratio Lower Upper

128 100

130 33.1 13.0 53.0

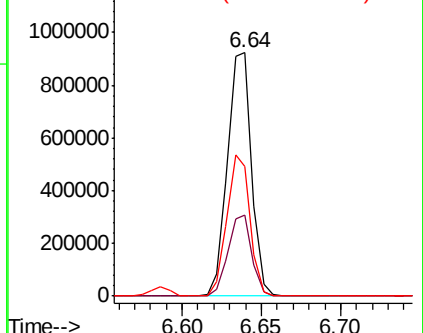
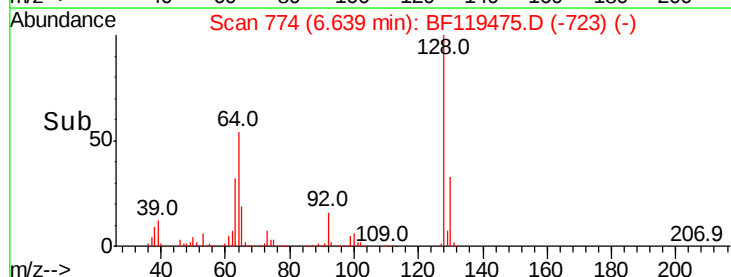
64 53.5 35.1 75.1

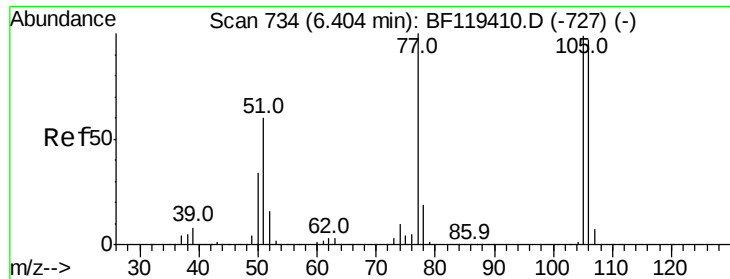


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 42.397 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion: 77 Resp: 632042

Ion Ratio Lower Upper

77 100

105 101.2 78.6 118.6

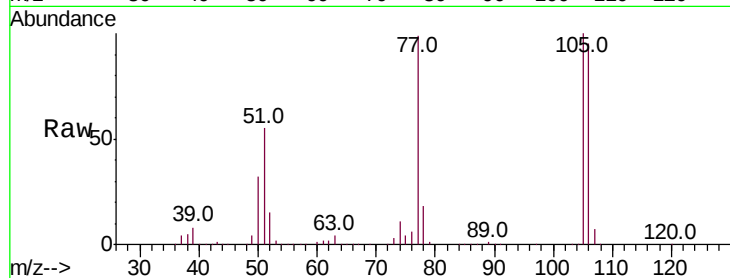
106 96.2 76.5 116.5

Manual Integrations

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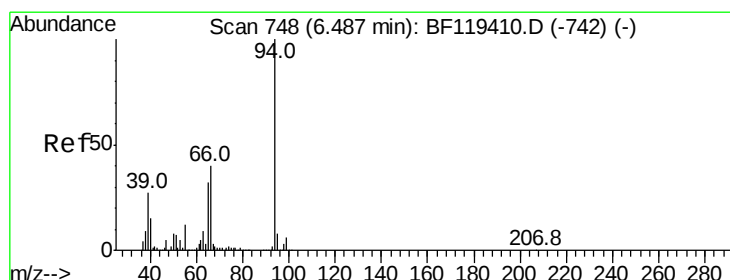
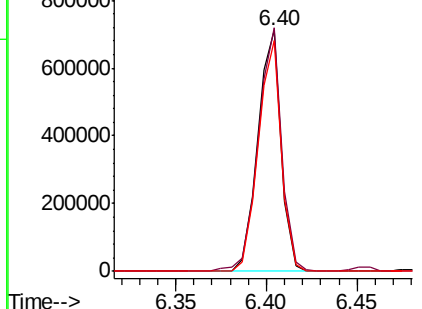
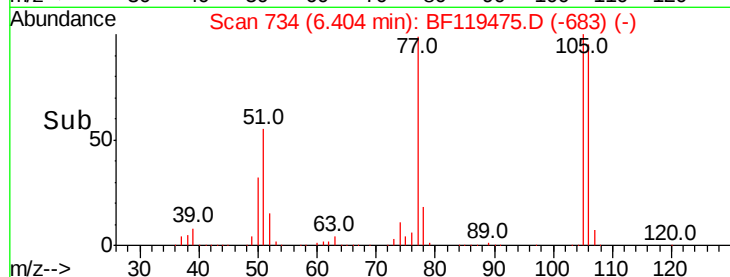
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 40.820 ng m

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

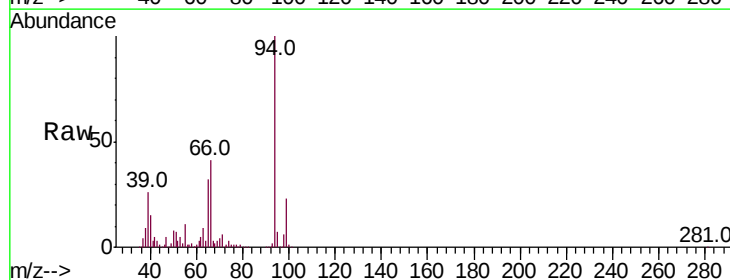
Tgt Ion: 94 Resp: 1023572

Ion Ratio Lower Upper

94 100

65 32.5 12.0 52.0

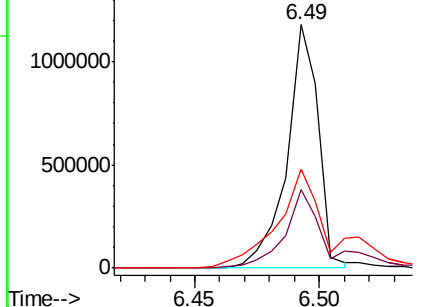
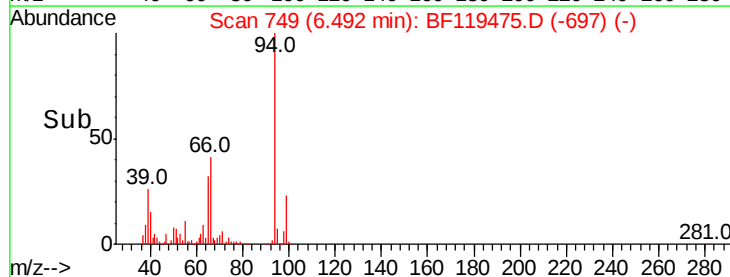
66 40.9 20.6 60.6

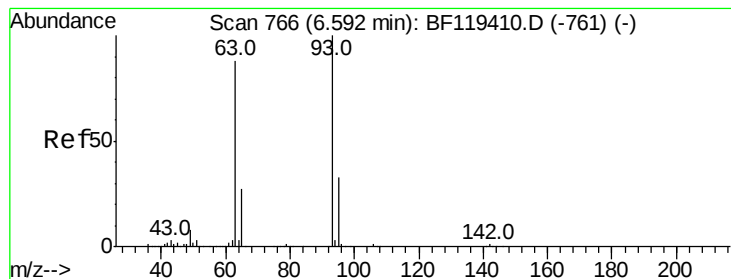


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





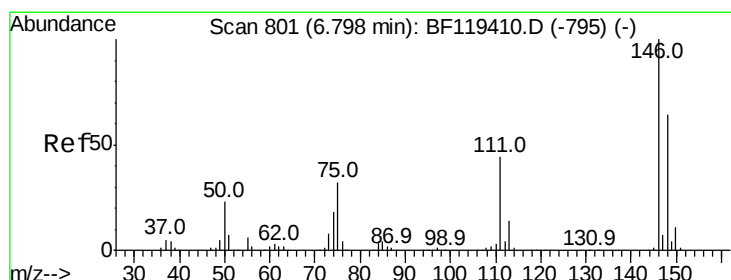
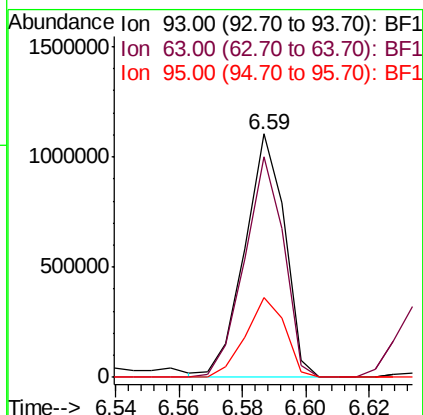
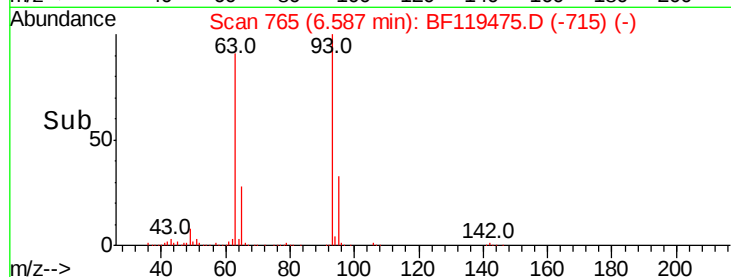
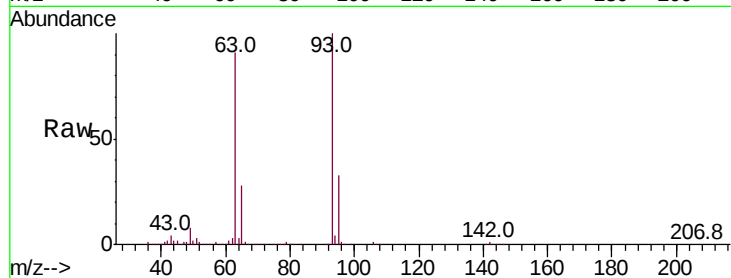
#11
bis(2-Chloroethyl)ether
Concen: 47.962 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	90.8	68.4	108.4	
95	32.9	13.4	53.4	

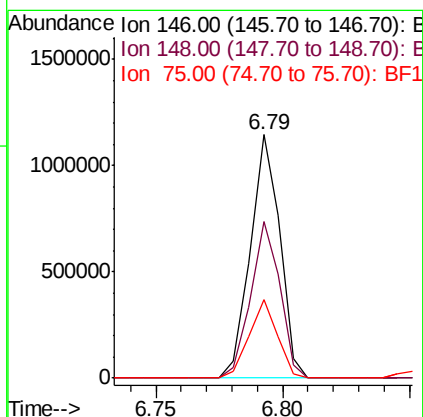
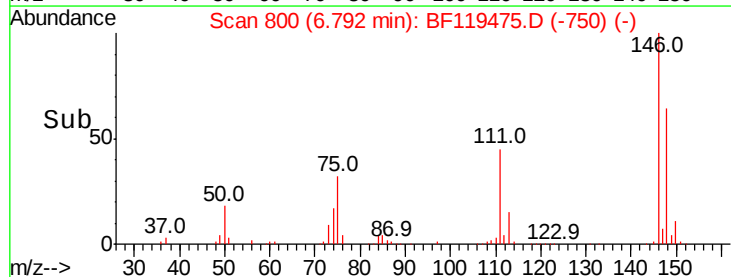
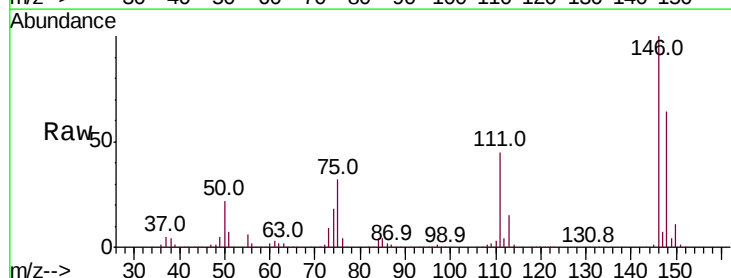
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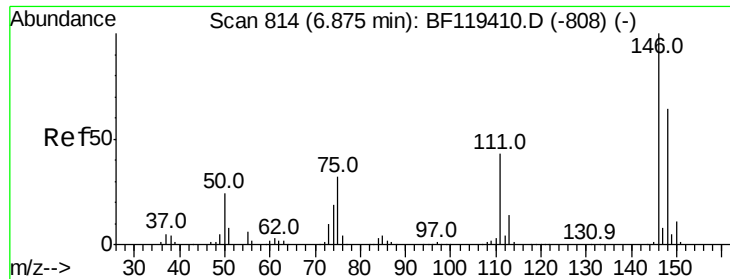
mohammad
3/23/2020 9:40:47 AM



#12
1,3-Dichlorobenzene
Concen: 44.413 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.1	51.4	77.0	
75	32.3	25.8	38.8	





#13

1,4-Dichlorobenzene

Concen: 45.019 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

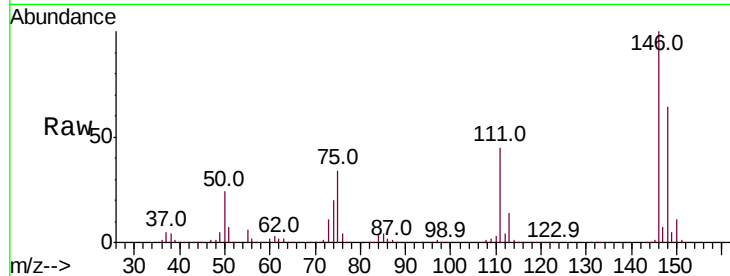
ClientSampleId :

BU-02-031920MS

Tot Ion:	146	Resp:	941655
Ion Ratio	Lower	Upper	
146	100		
148	64.1	50.9	76.3
111	45.1	34.6	52.0

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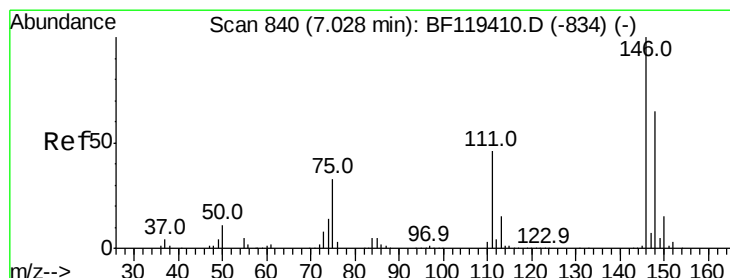
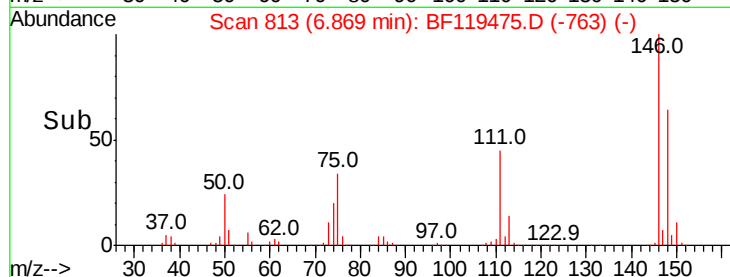
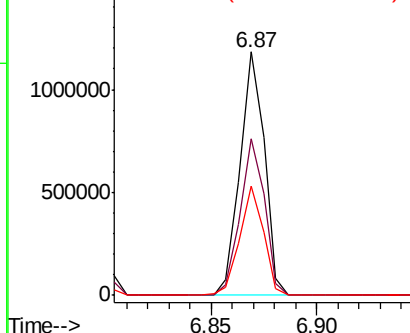


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.321 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

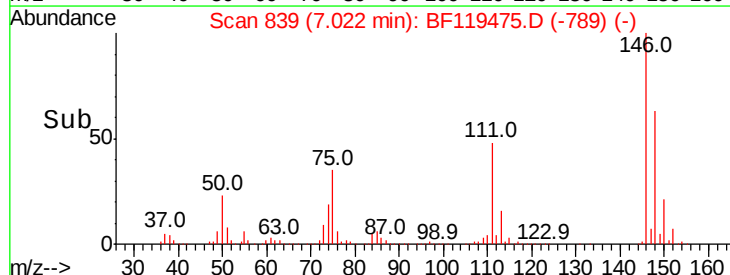
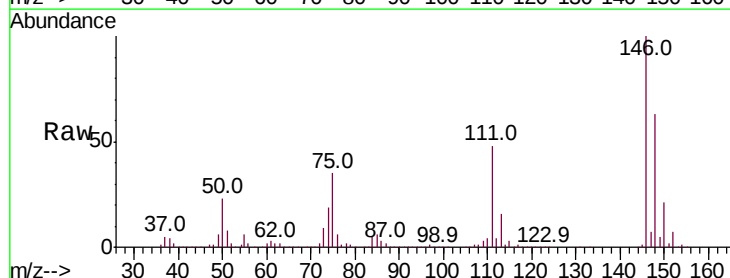
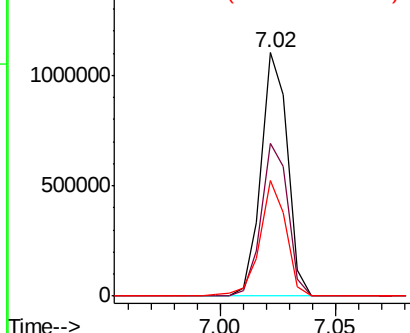
Tgt Ion:	146	Resp:	886075
Ion Ratio	Lower	Upper	
146	100		
148	62.9	51.7	77.5
111	47.7	36.4	54.6

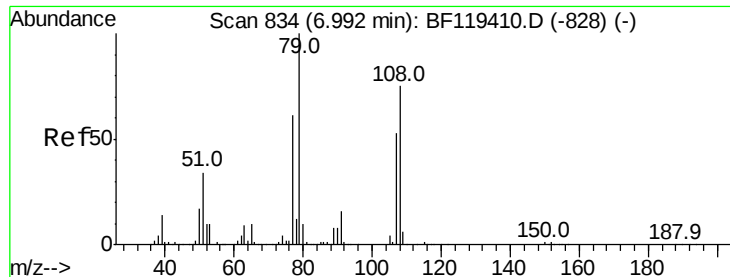
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 48.267 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

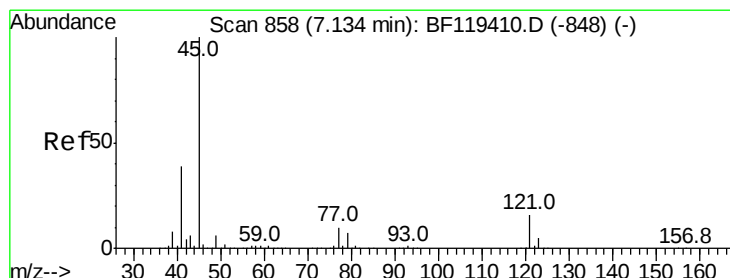
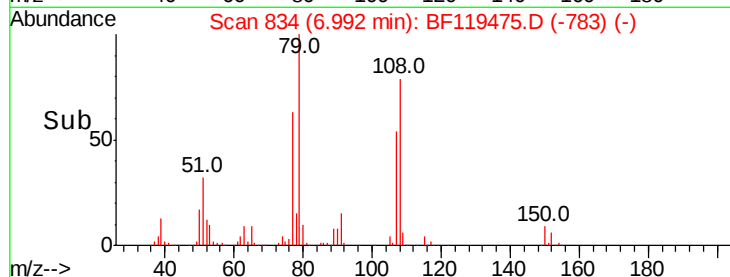
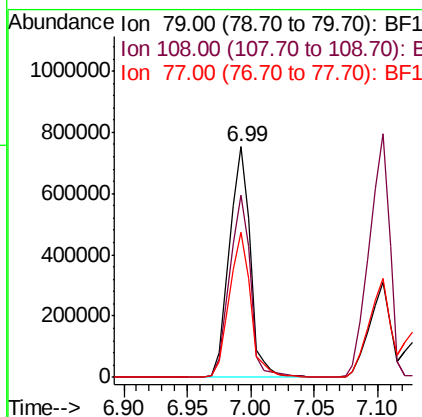
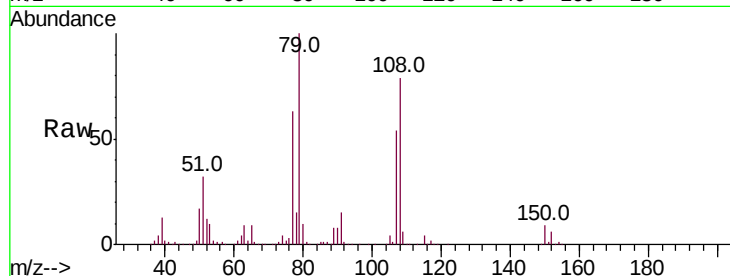
ClientSampleId :

BU-02-031920MS

Tot Ion:	79	Resp:	853228
Ion Ratio	Lower	Upper	
79	100		
108	79.3	60.4	90.6
77	62.7	49.0	73.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 44.000 ng

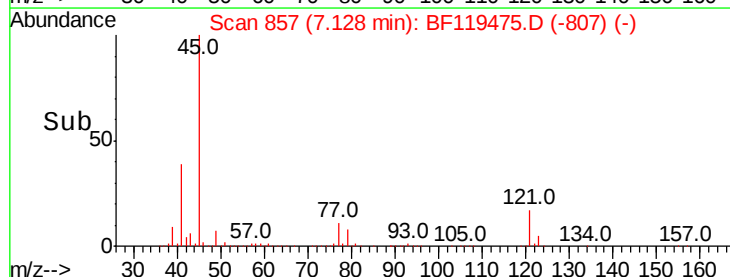
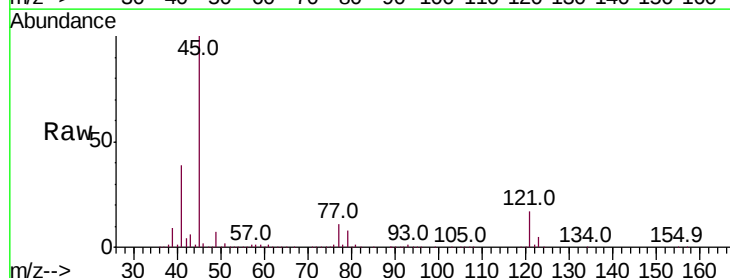
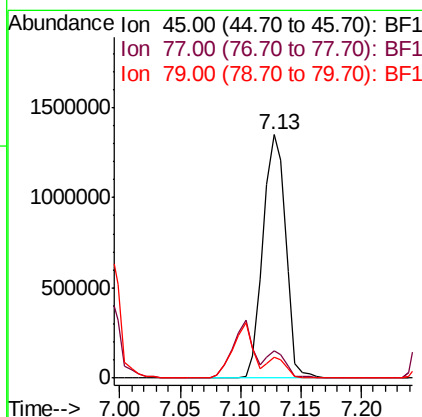
RT: 7.13 min Scan# 857

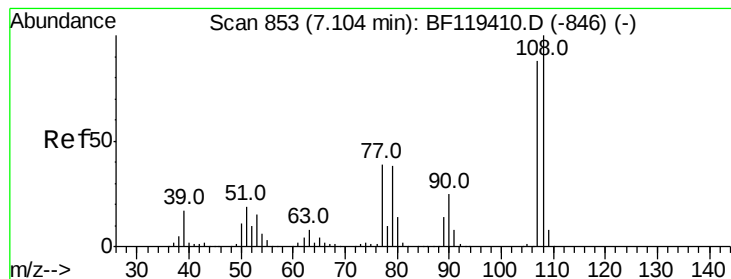
Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Tgt Ion:	45	Resp:	1779897
Ion Ratio	Lower	Upper	
45	100		
77	11.0	0.0	30.1
79	8.5	0.0	27.4





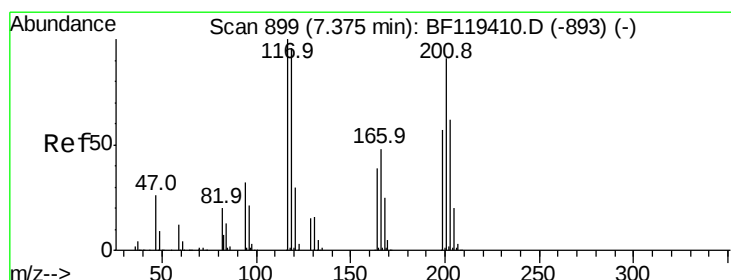
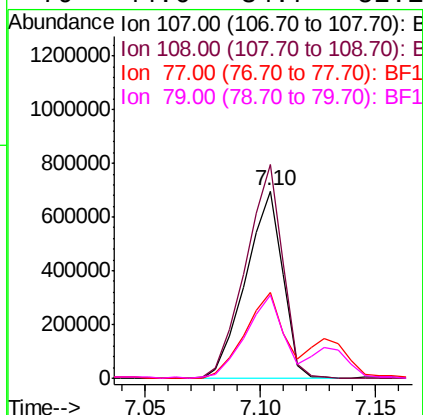
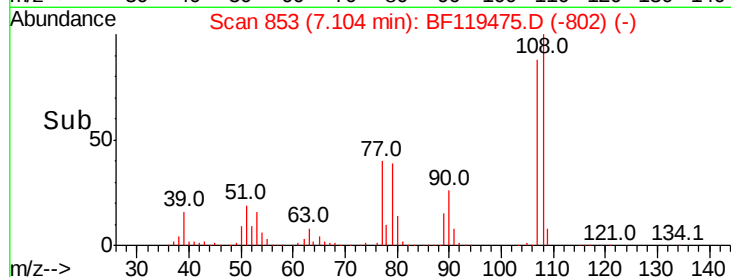
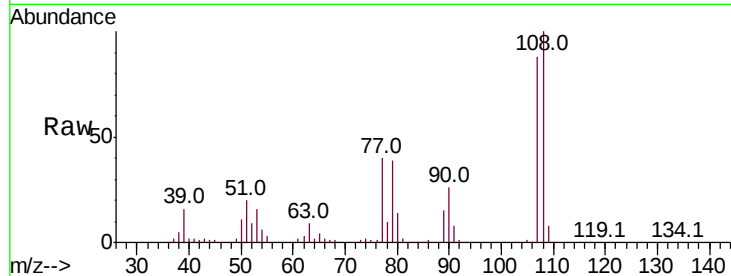
#17
2-Methylphenol
Concen: 43.852 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	776306		
108	114.2		90.7	136.1
77	46.2		35.6	53.4
79	44.6		34.7	52.1

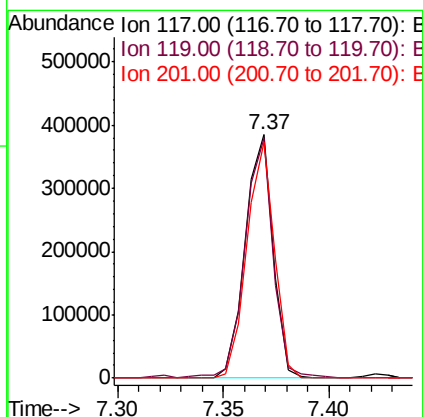
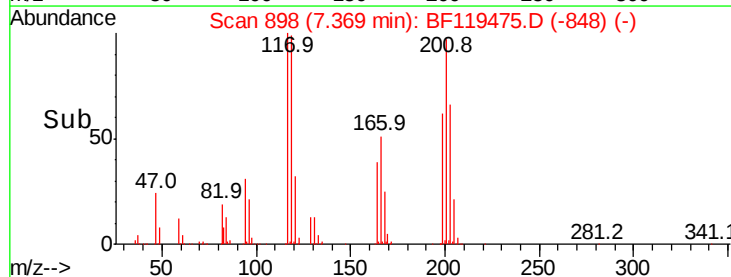
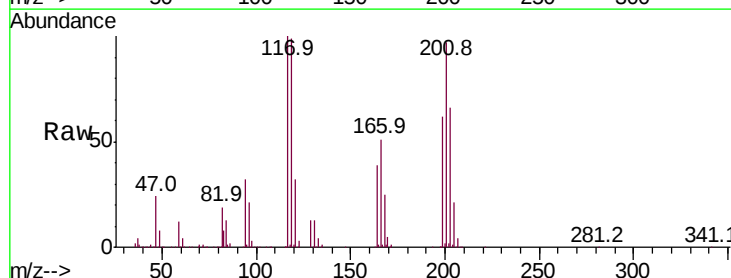
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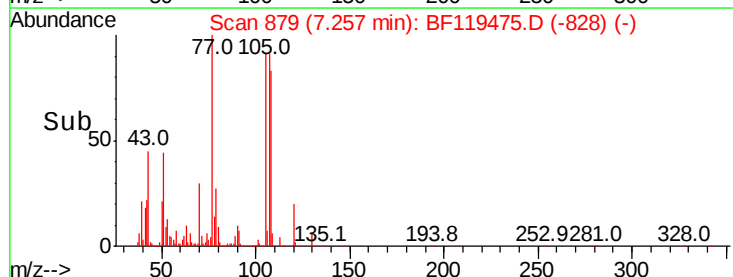
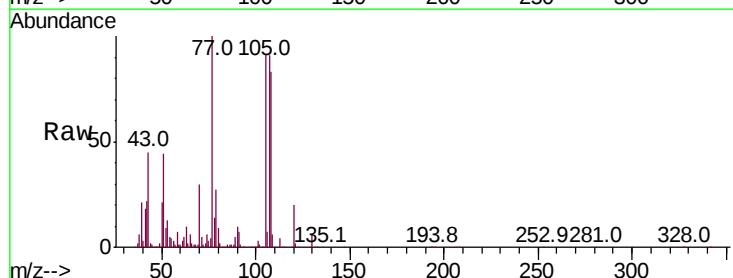
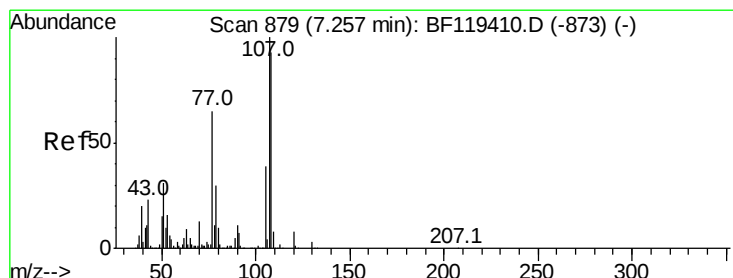
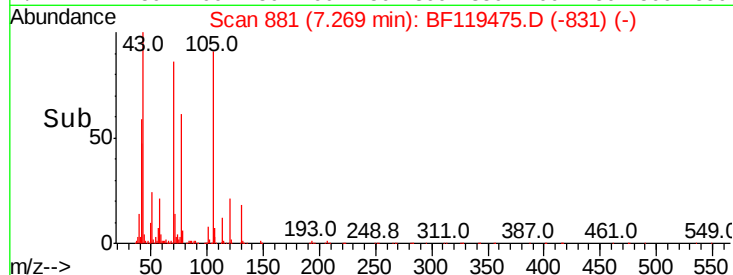
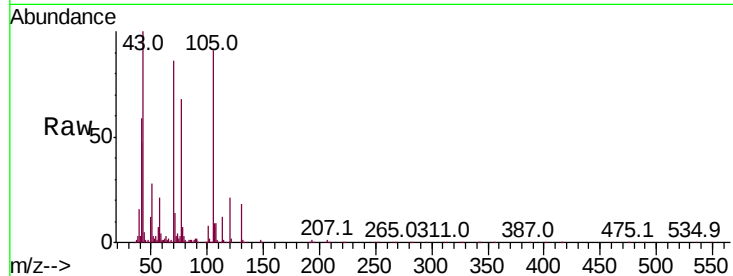
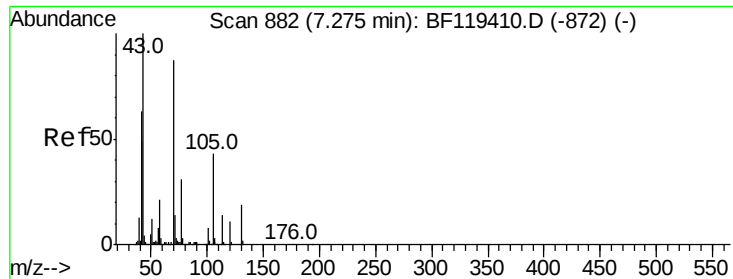
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#18
Hexachloroethane
Concen: 45.826 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	351272		
119	98.6		76.8	115.2
201	96.7		72.5	108.7





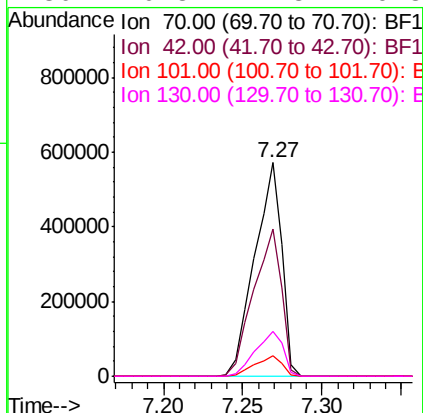
#19
n-Nitroso-di-n-propylamine
Concen: 48.236 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	68.8	58.2	87.4
101	9.6	7.4	11.2
130	20.8	17.8	26.8

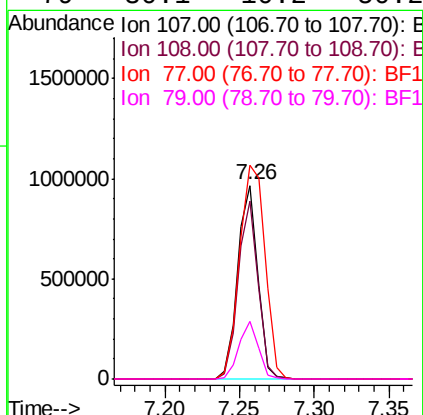
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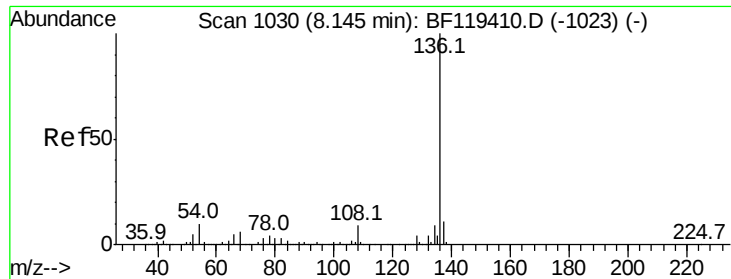
mohammad
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#20
3+4-Methylphenols
Concen: 42.072 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.7	72.6	112.6
77	110.4	44.7	84.7#
79	30.1	10.2	50.2





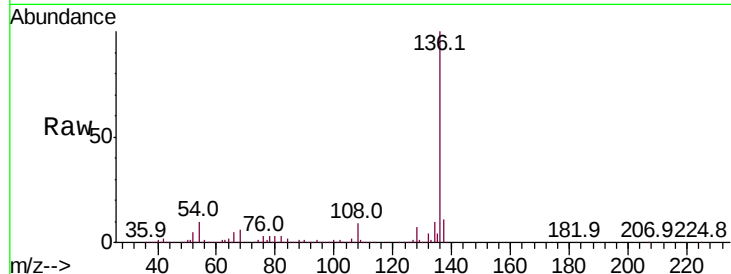
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	10.4	8.3	12.5
68	6.3	4.9	7.3

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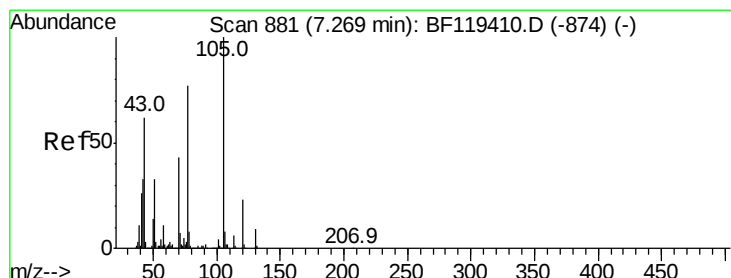
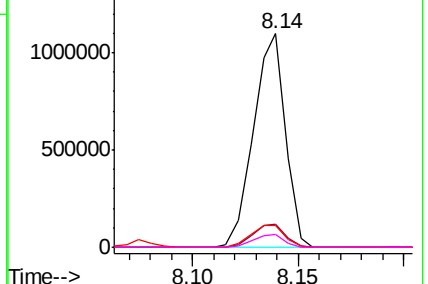
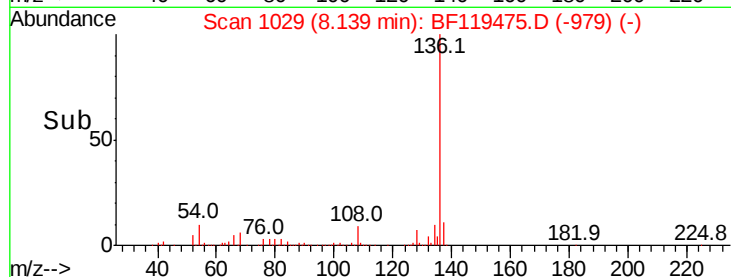
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

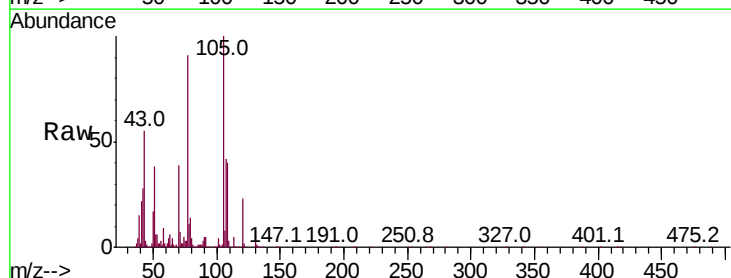
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 46.190 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.6	5.8	8.6
51	38.0	26.8	40.2
120	22.8	18.0	27.0



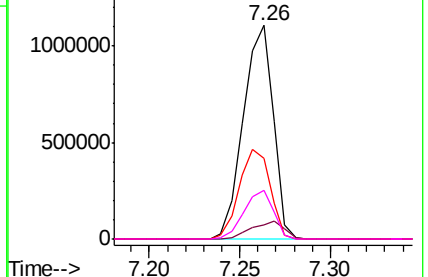
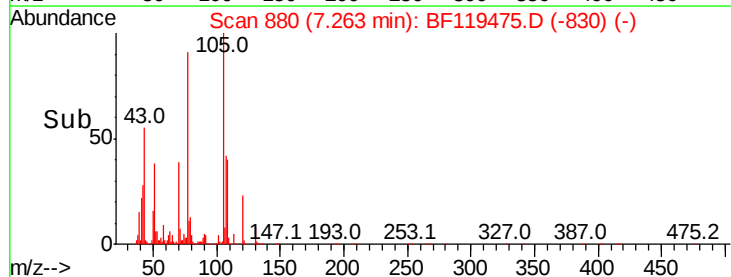
Abundance

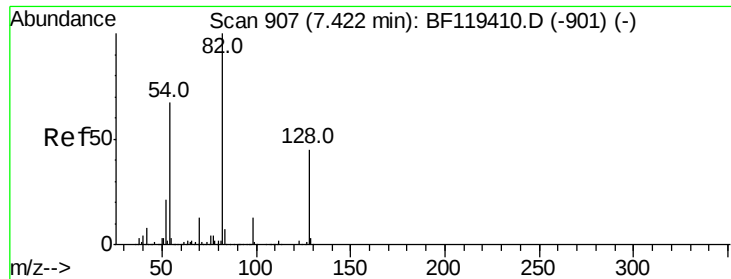
Ion 105.00 (104.70 to 105.70): E

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





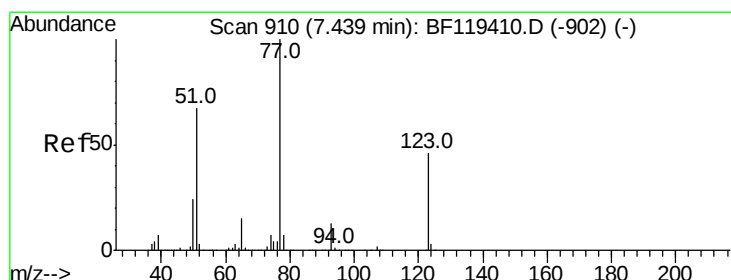
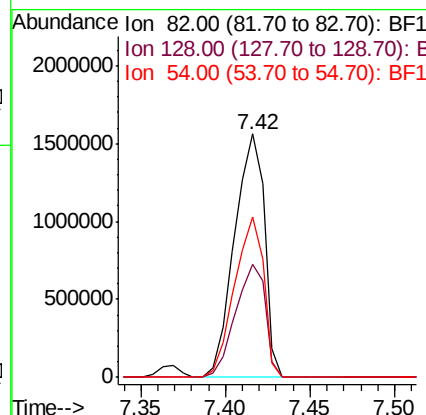
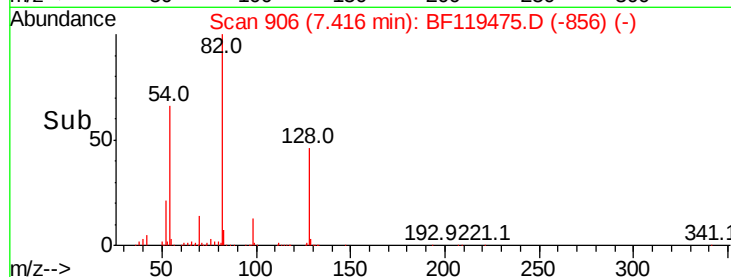
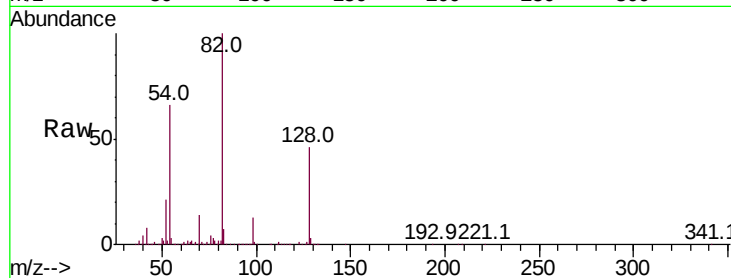
#23
Nitrobenzene-d5
Concen: 91.137 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion: 82 Resp: 1927940
Ion Ratio Lower Upper
82 100
128 46.3 35.8 53.8
54 65.9 53.4 80.0

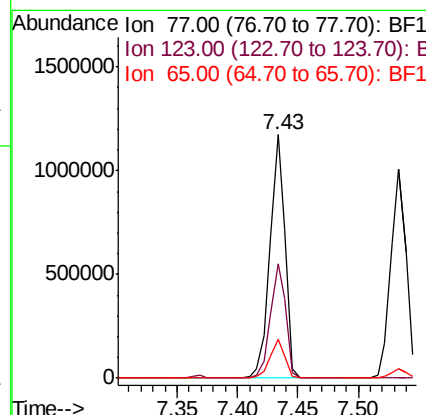
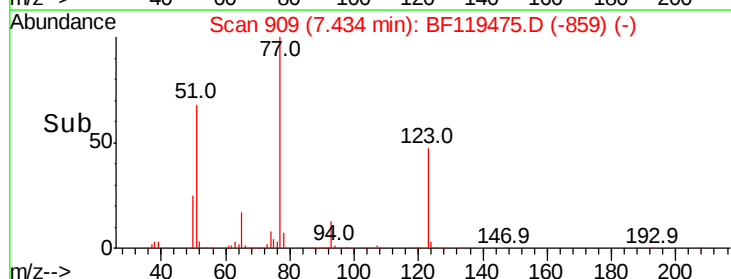
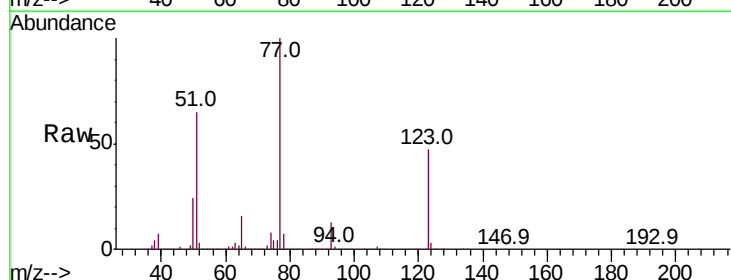
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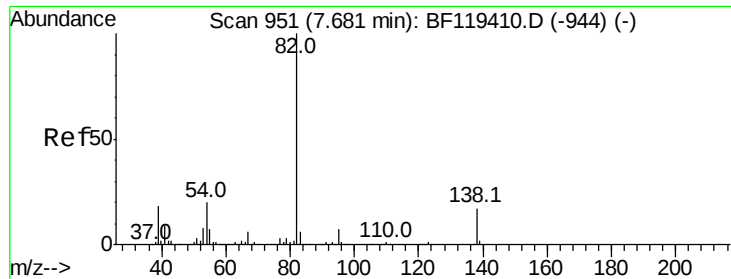
mohammad
3/23/2020 9:40:47 AM



#24
Nitrobenzene
Concen: 44.969 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion: 77 Resp: 1016626
Ion Ratio Lower Upper
77 100
123 47.1 36.9 55.3
65 16.0 12.2 18.4





#25

Isophorone

Concen: 44.855 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion: 82 Resp: 1924827

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

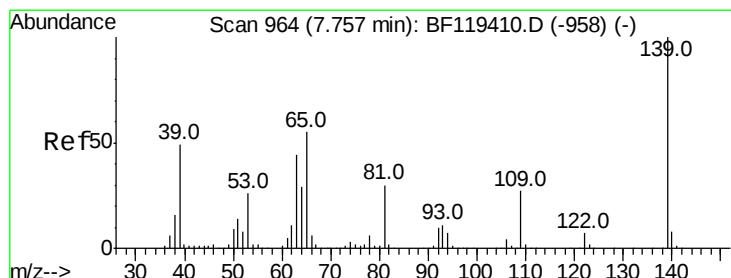
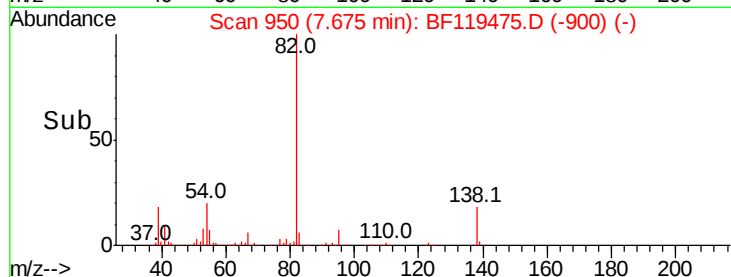
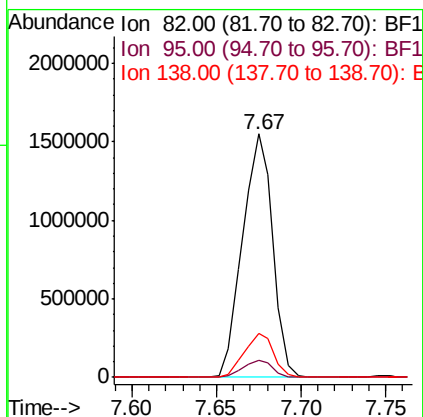
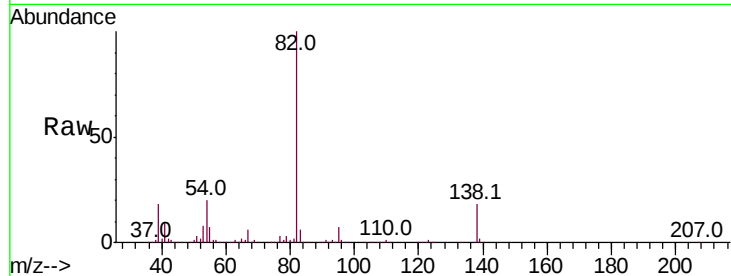
138 18.1 13.8 20.8

Manual Integrations

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#26

2-Nitrophenol

Concen: 57.404 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

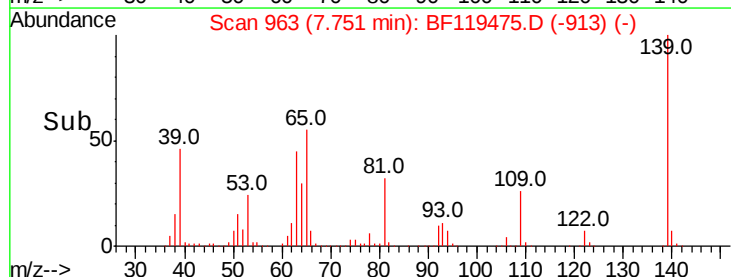
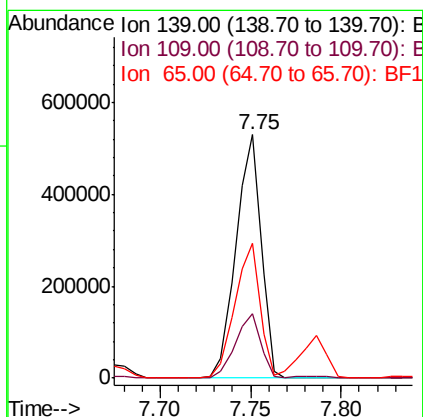
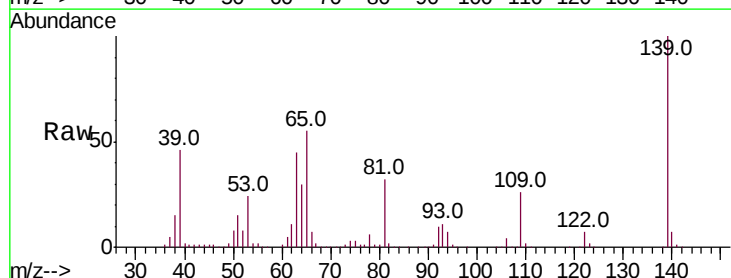
Tgt Ion: 139 Resp: 510978

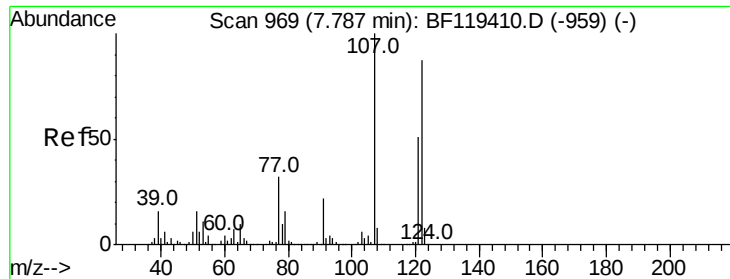
Ion Ratio Lower Upper

139 100

109 26.5 21.7 32.5

65 55.3 43.9 65.9





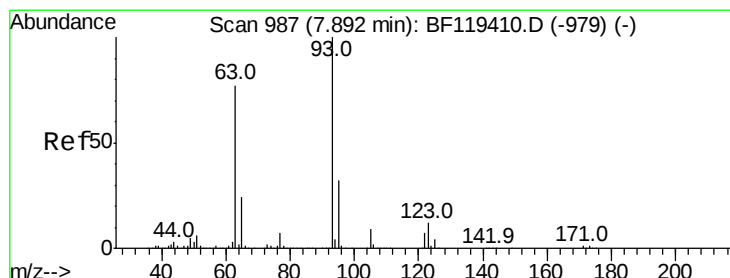
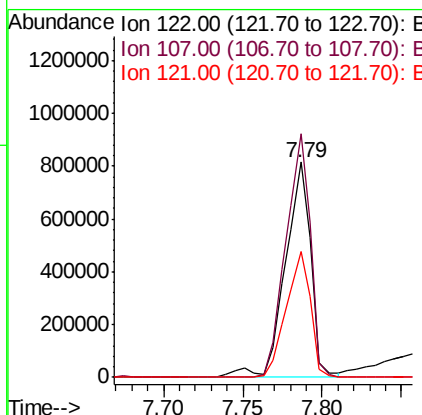
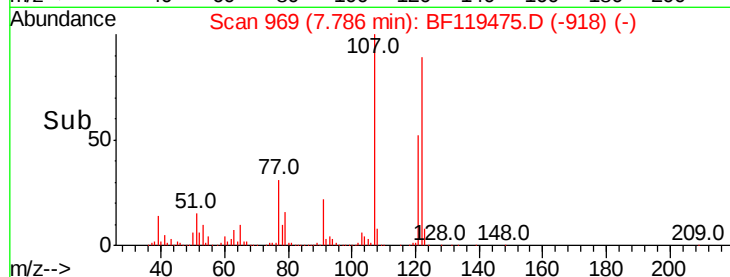
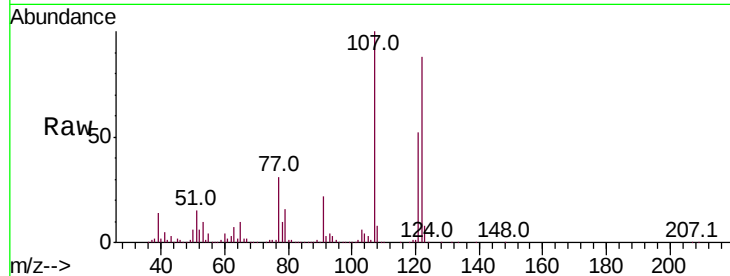
#27
2,4-Dimethylphenol
Concen: 49.240 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.0	91.8	137.6
121	58.6	46.5	69.7

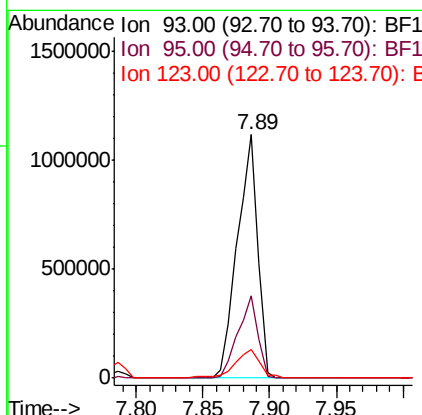
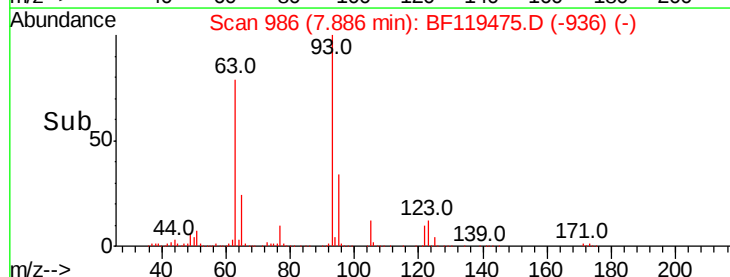
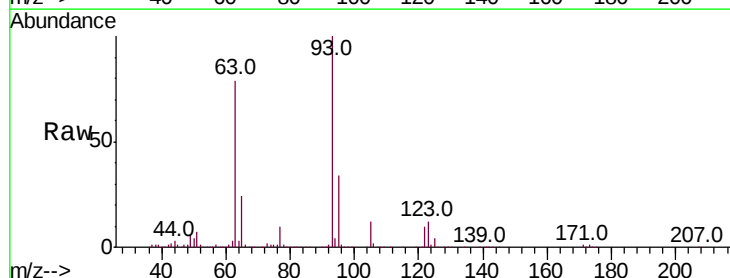
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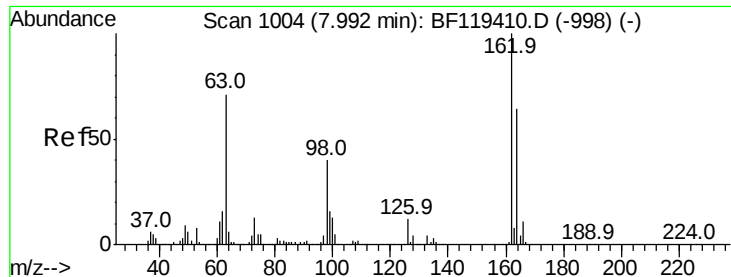
mohammad
3/23/2020 9:40:47 AM



#28
bis(2-Chloroethoxy)methane
Concen: 47.302 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	26.0	39.0
123	12.0	9.7	14.5





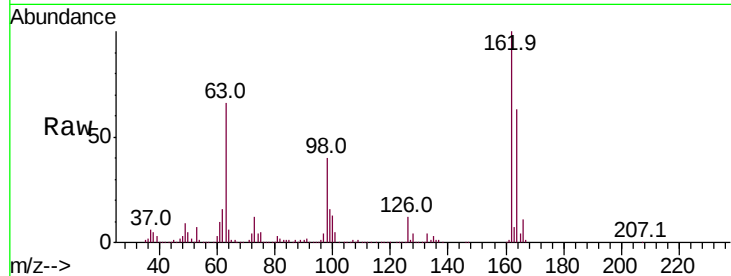
#29
2,4-Dichlorophenol
Concen: 47.371 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	801131		
164	63.1	43.6	83.6	
98	39.8	20.4	60.4	

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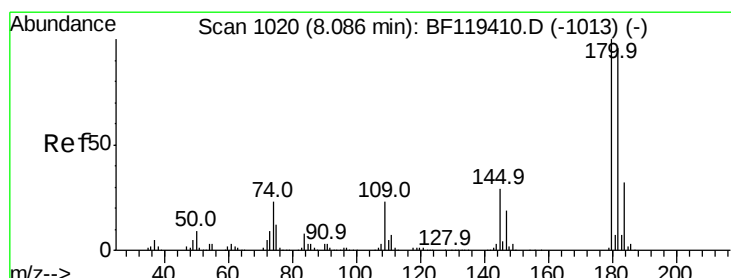
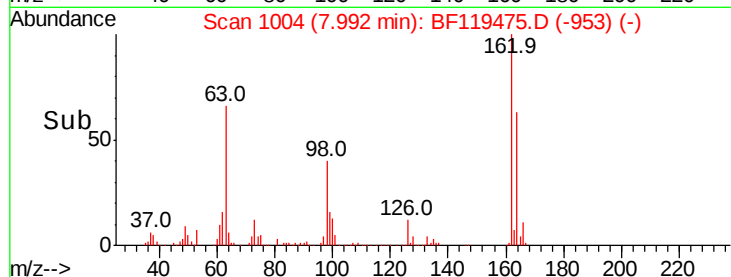
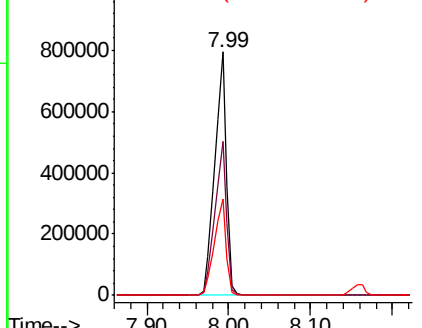


Abundance

Ion 162.00 (161.70 to 162.70): E

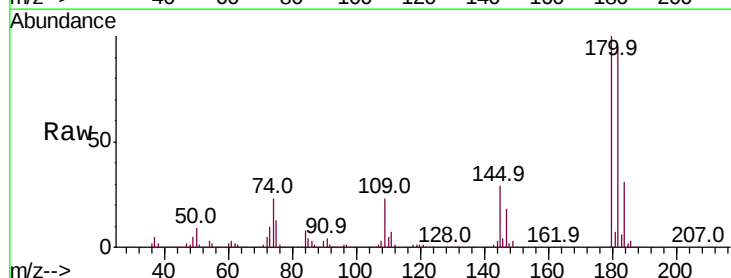
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 45.776 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	856147		
182	94.0	76.6	115.0	
145	29.2	23.2	34.8	

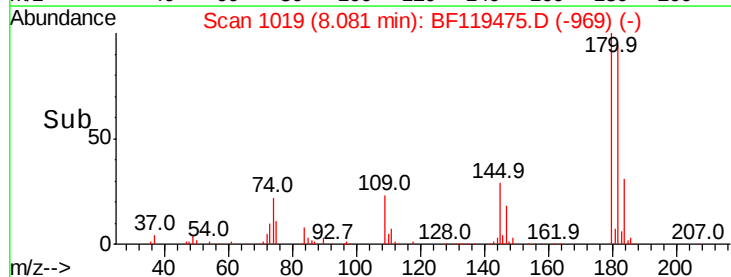
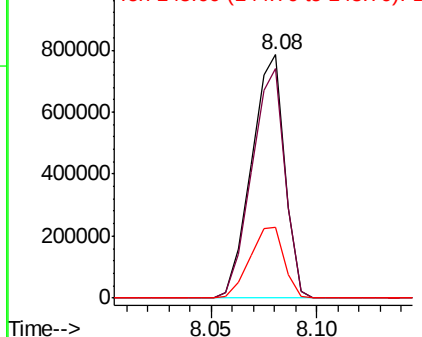


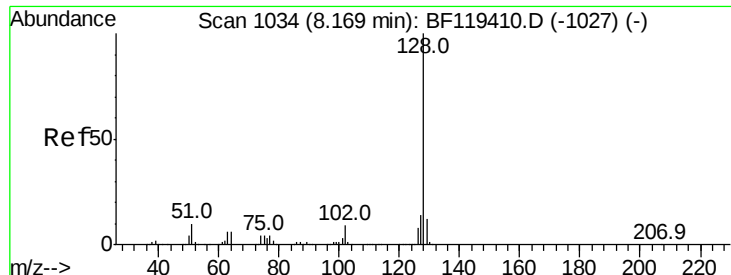
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





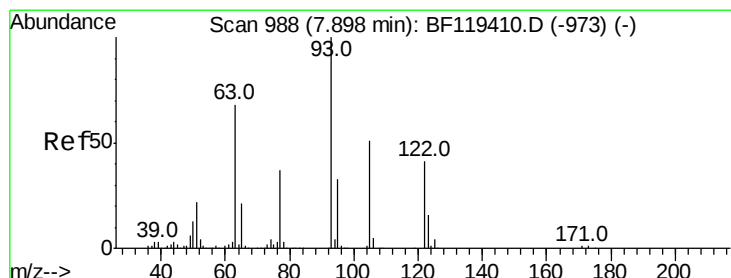
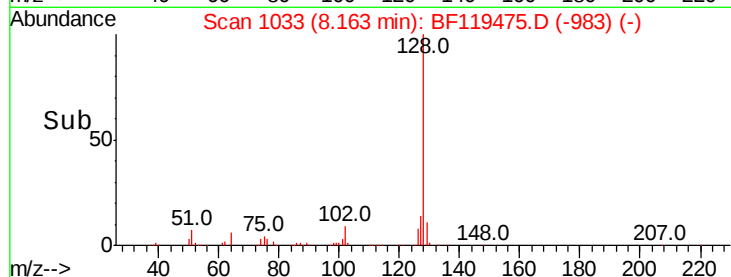
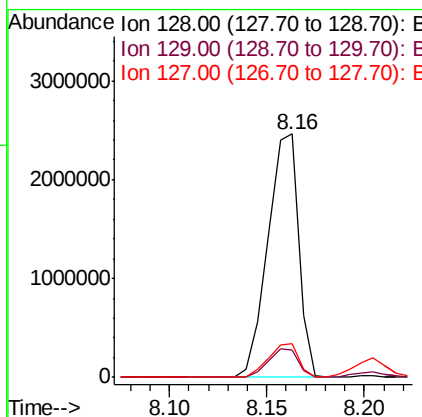
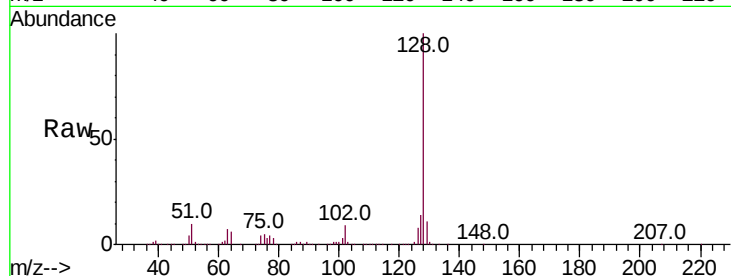
#31
Naphthalene
Concen: 45.713 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion:128 Resp: 2704589
Ion Ratio Lower Upper
128 100
129 11.4 9.3 13.9
127 13.6 11.0 16.4

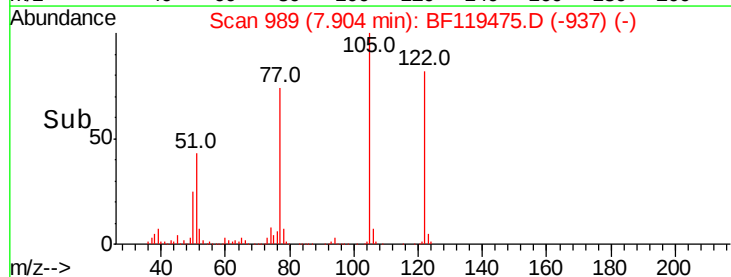
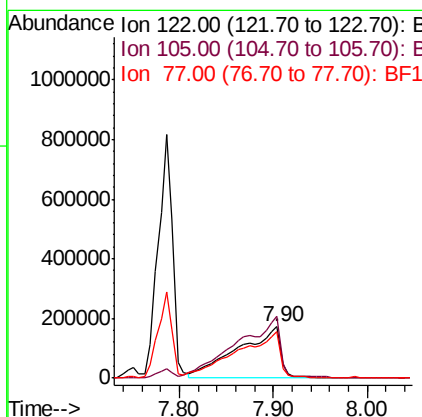
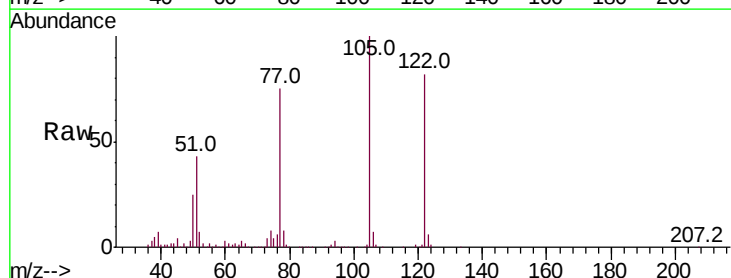
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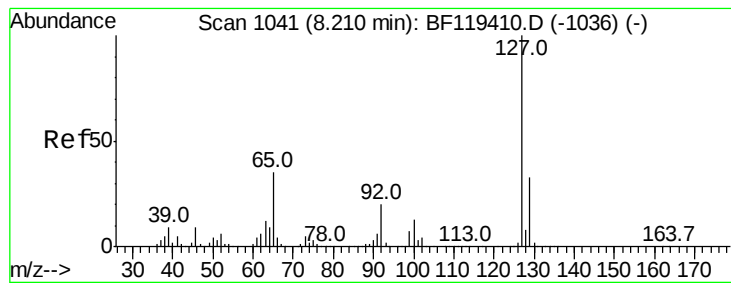
mohammad
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#32
Benzoic acid
Concen: 45.338 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:122 Resp: 536782
Ion Ratio Lower Upper
122 100
105 121.6 102.9 142.9
77 91.1 70.1 110.1





#33

4-Chloroaniline

Concen: 8.782 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

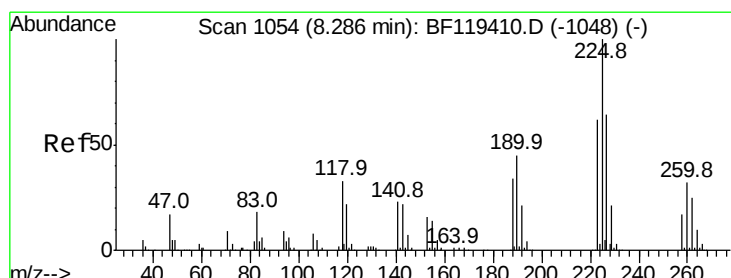
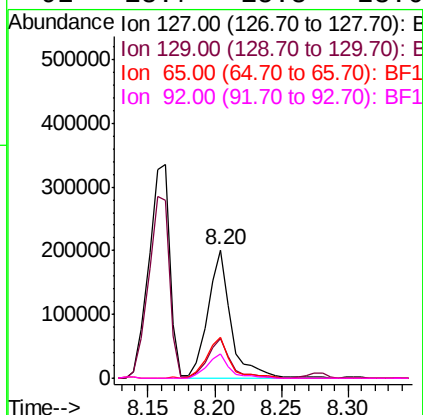
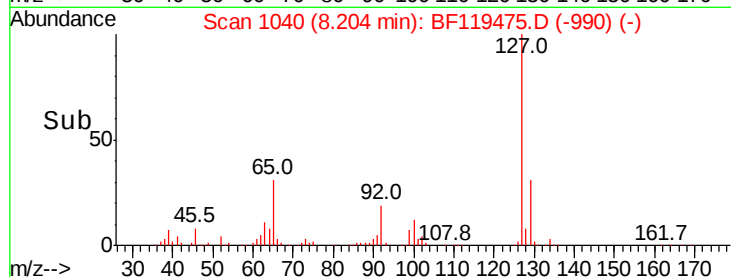
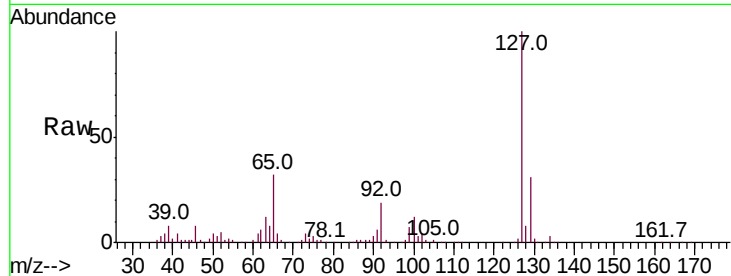
ClientSampleId :

BU-02-031920MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.8	26.2	39.4		
65	32.2	27.7	41.5		
92	18.7	15.8	23.6		

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#34

Hexachlorobutadiene

Concen: 45.103 ng

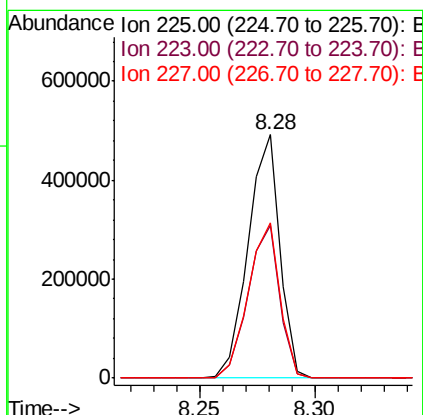
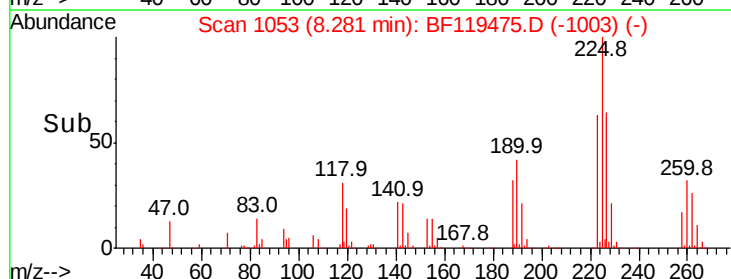
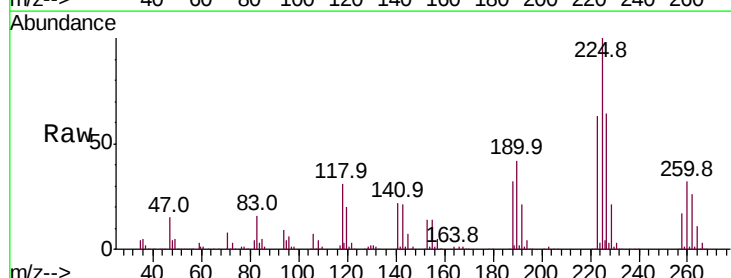
RT: 8.28 min Scan# 1053

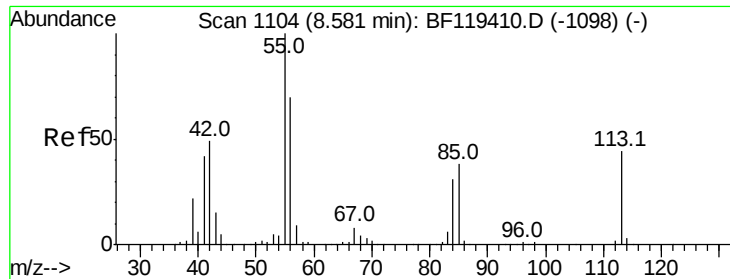
Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	49.2	73.8		
227	63.9	51.1	76.7		





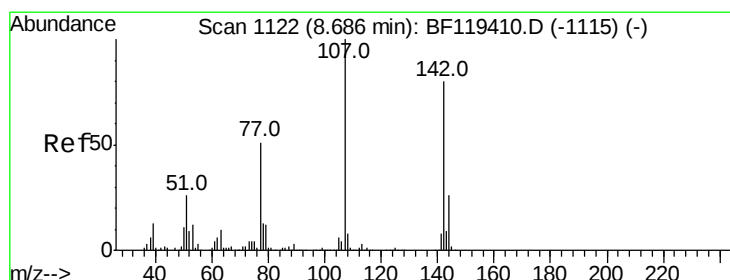
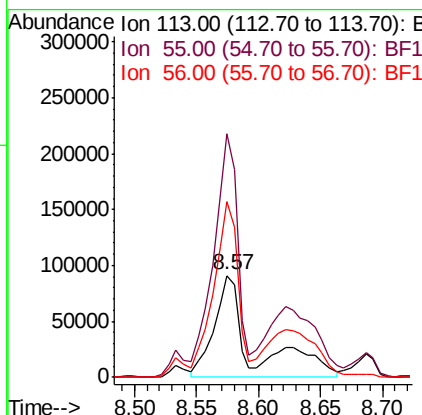
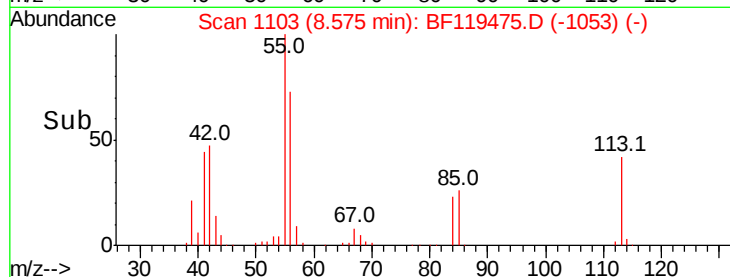
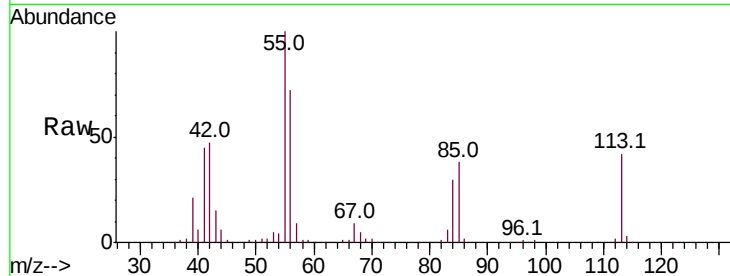
#35
Caprolactam
Concen: 35.401 ng/ml
RT: 8.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	238.3	208.4	248.4
56	172.6	138.9	178.9

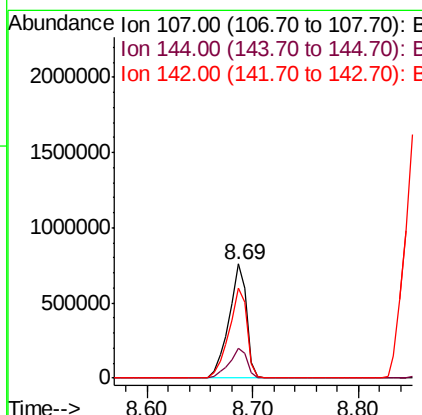
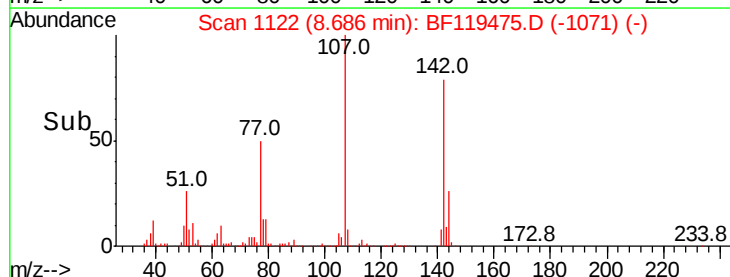
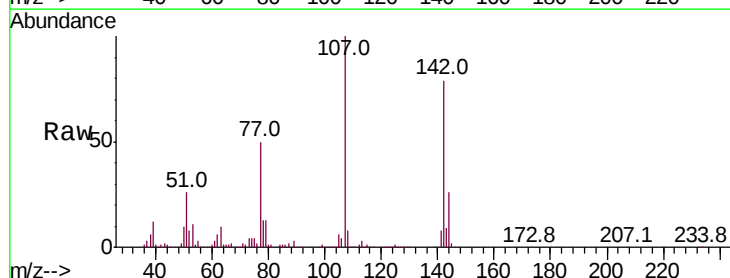
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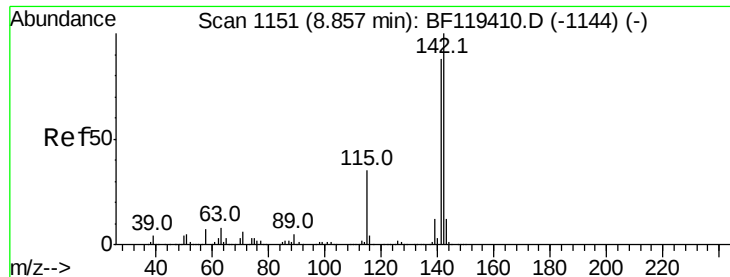
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#36
4-Chloro-3-methylphenol
Concen: 47.307 ng/ml
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.6	31.0
142	78.7	63.8	95.6





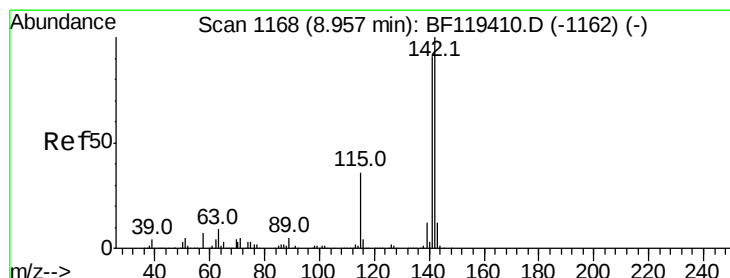
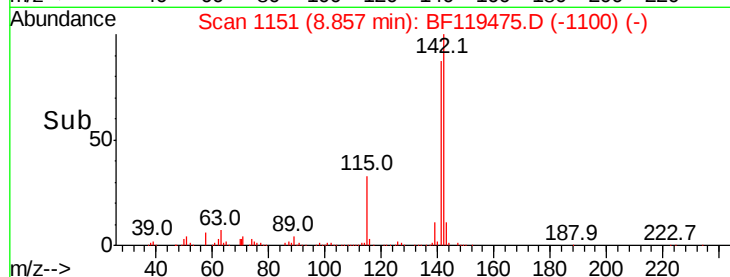
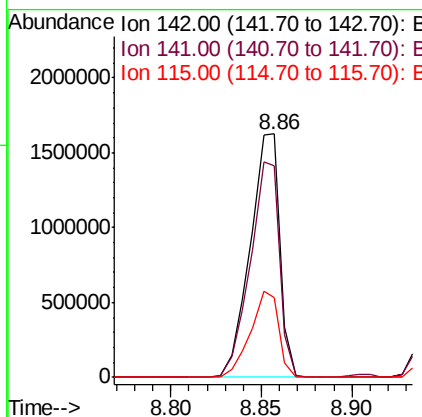
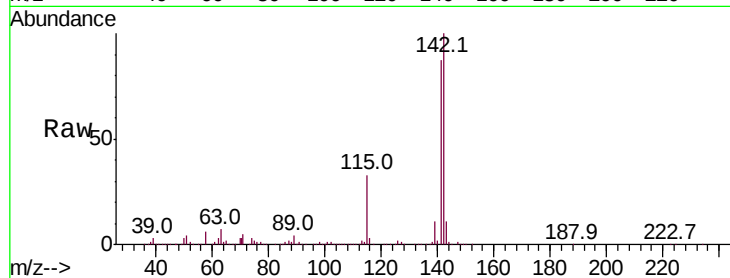
#37
2-Methylnaphthalene
Concen: 47.851 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.4	105.6
115	32.6	27.8	41.6

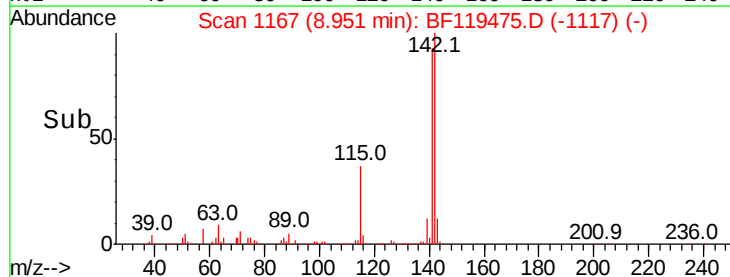
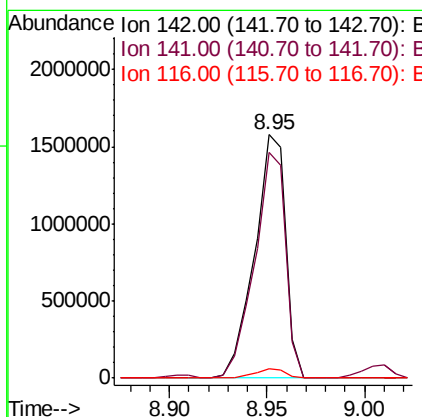
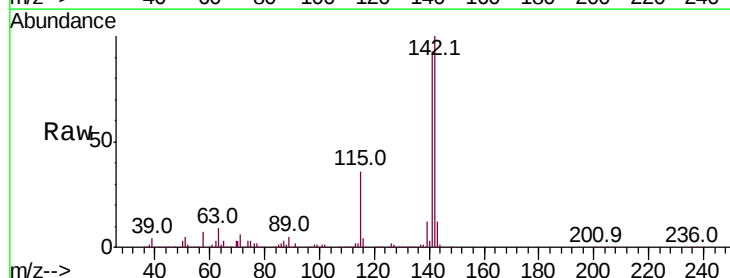
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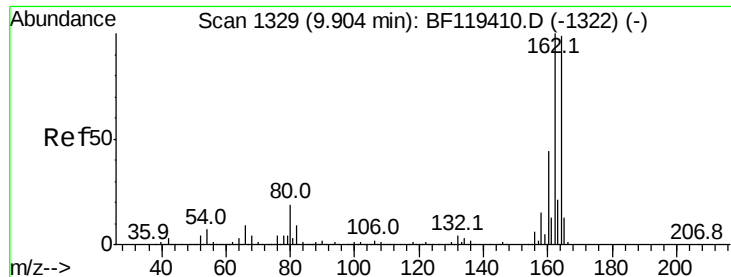
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#38
1-Methylnaphthalene
Concen: 47.223 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.1	109.7
116	3.8	3.0	4.6





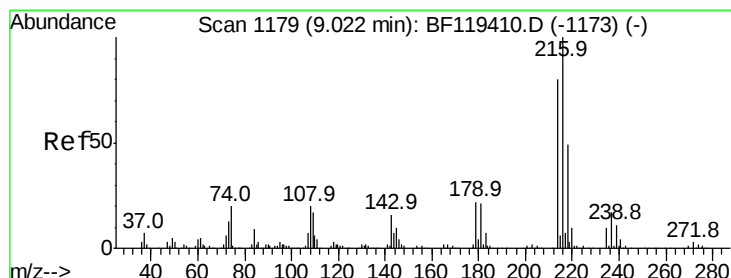
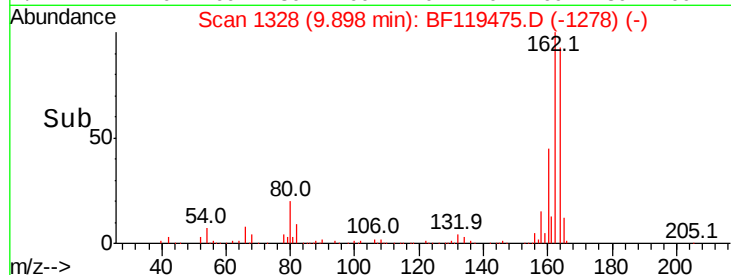
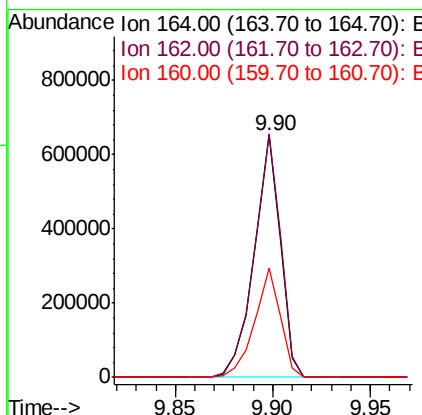
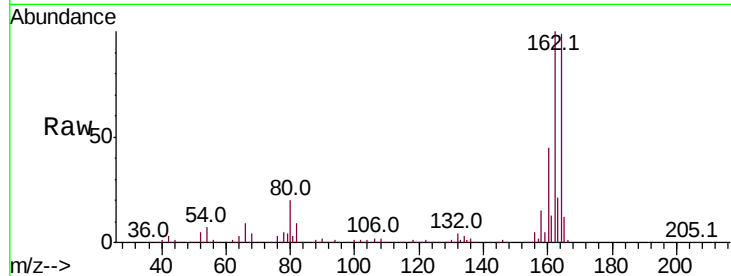
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100	604628		
162	100.5	80.7	121.1	
160	45.4	35.5	53.3	

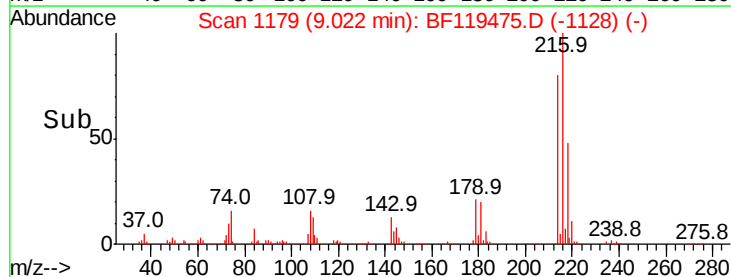
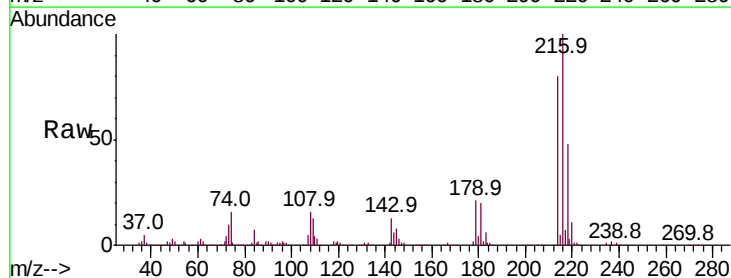
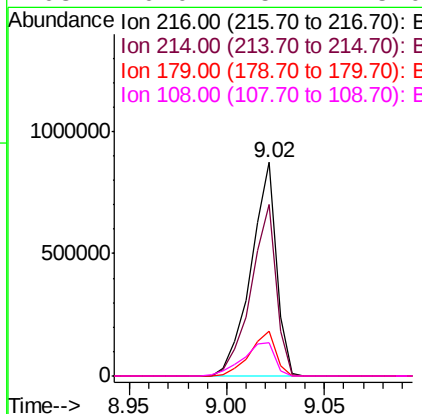
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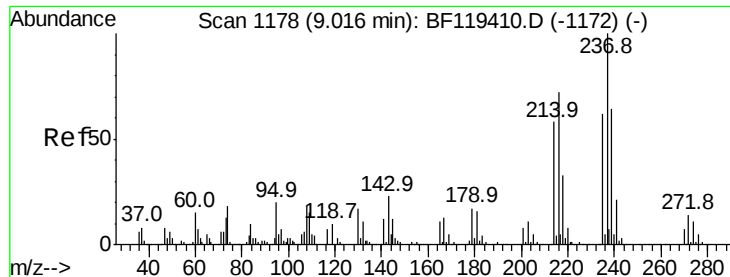
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.536 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	789267		
214	80.0	63.0	94.6	
179	21.2	17.0	25.4	
108	20.0	15.4	23.0	





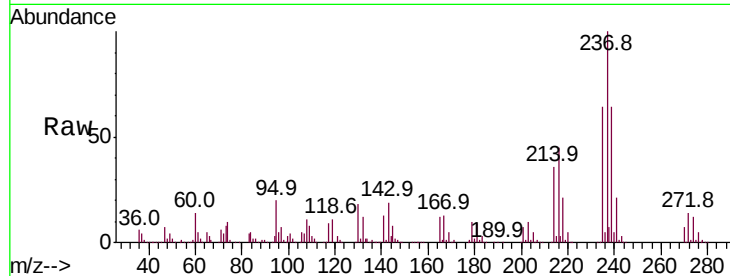
#41
Hexachlorocyclopentadiene
Concen: 70.015 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

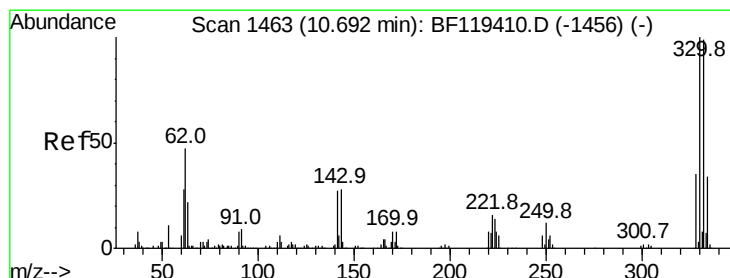
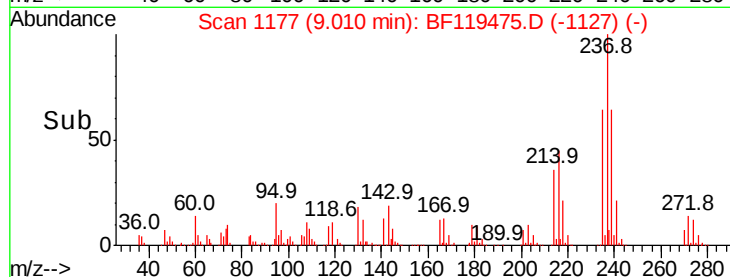
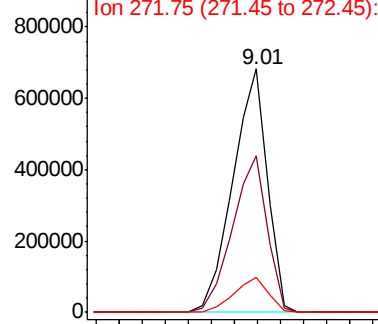
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	64.2	42.5	82.5
272	14.2	0.0	34.3

Manual Integrations
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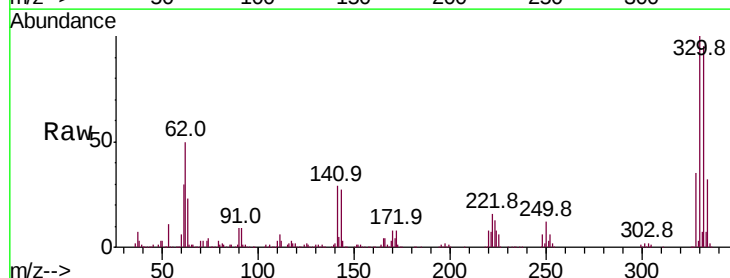


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

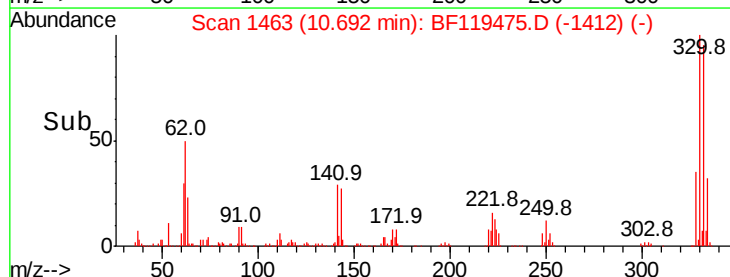
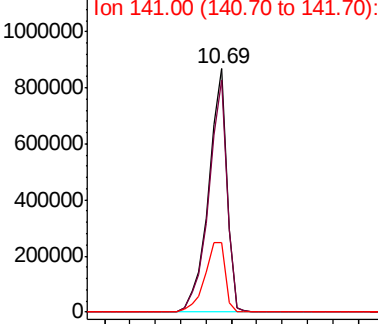


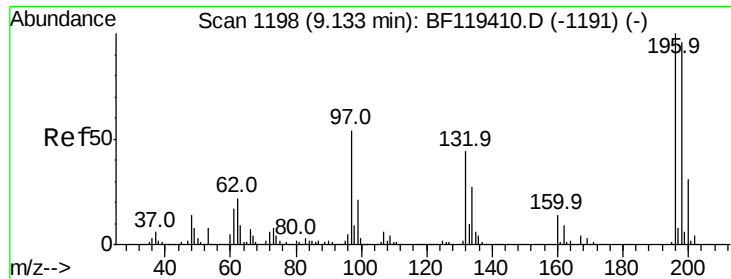
#42
2,4,6-Tribromophenol
Concen: 137.658 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.6	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





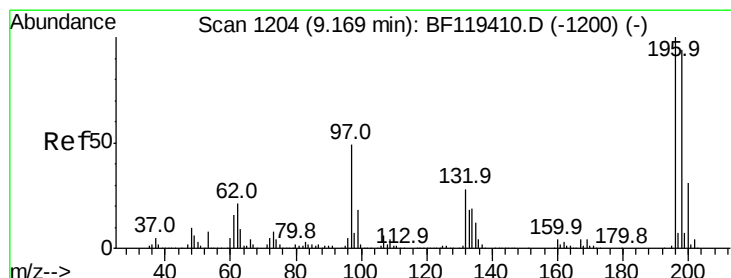
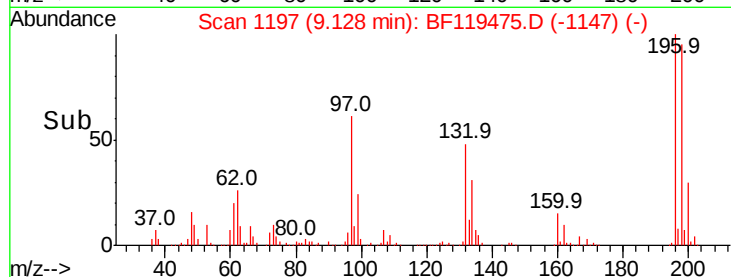
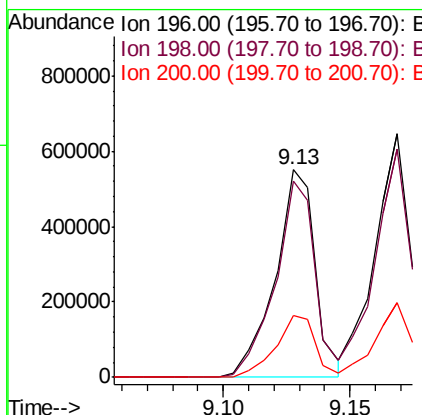
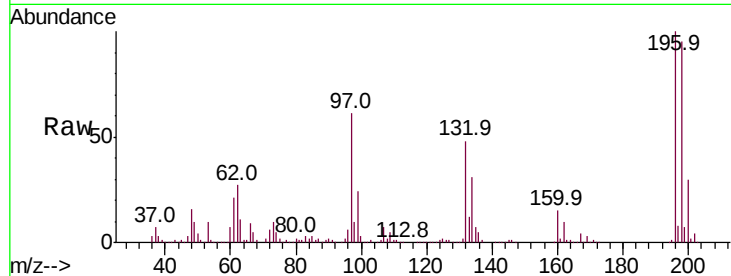
#43
 2,4,6-Trichlorophenol
 Concen: 47.930 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	607859		
198	94.5	77.0	115.4	
200	30.0	25.1	37.7	

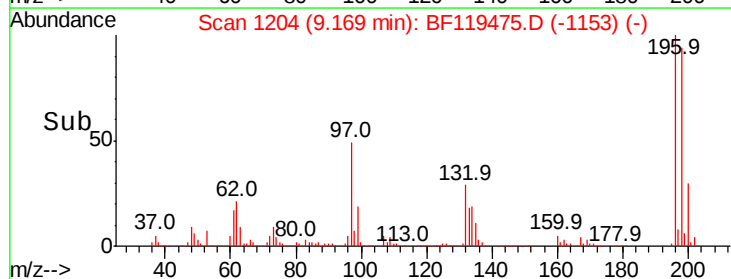
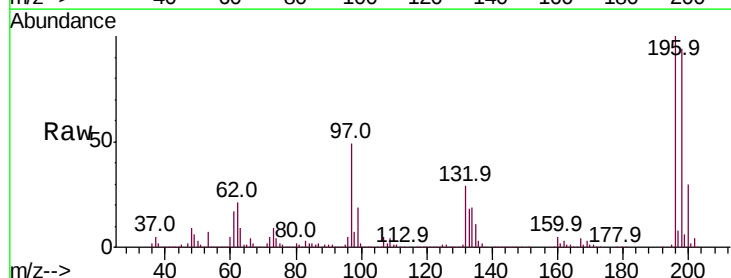
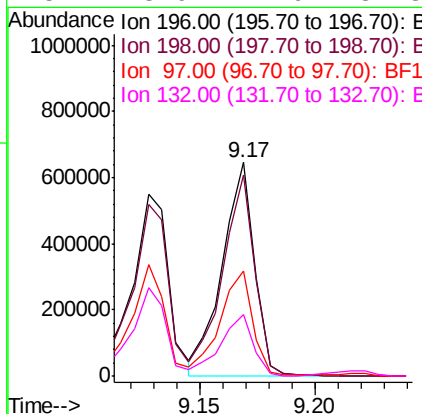
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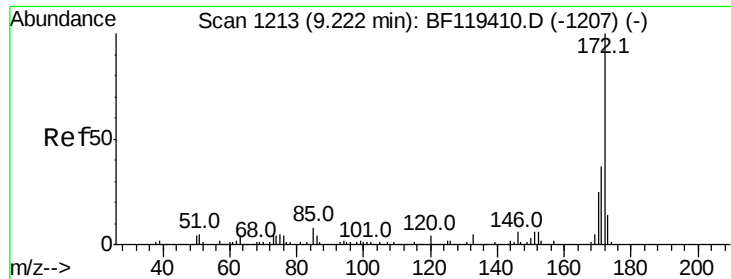
mohammad
 3/23/2020 9:40:47 AM



#44
 2,4,5-Trichlorophenol
 Concen: 43.926 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	624065		
198	94.0	75.3	112.9	
97	49.1	39.0	58.4	
132	28.9	22.9	34.3	





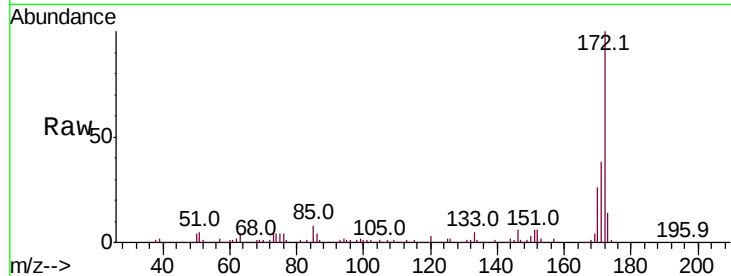
#45
2-Fluorobiphenyl
Concen: 84.298 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

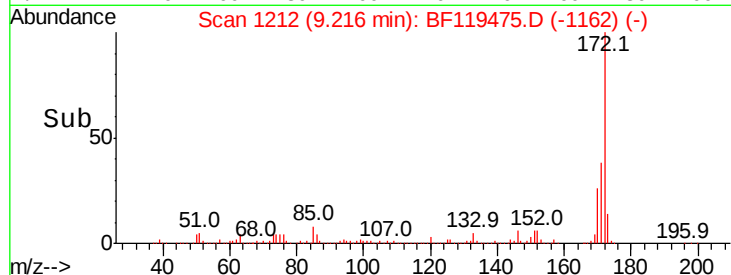
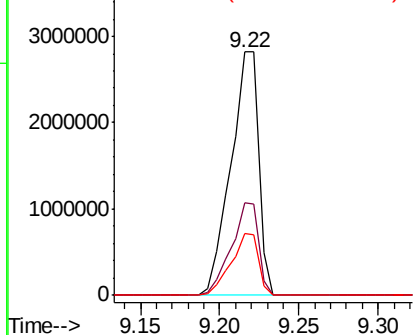
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.9	44.9
170	25.5	20.1	30.1

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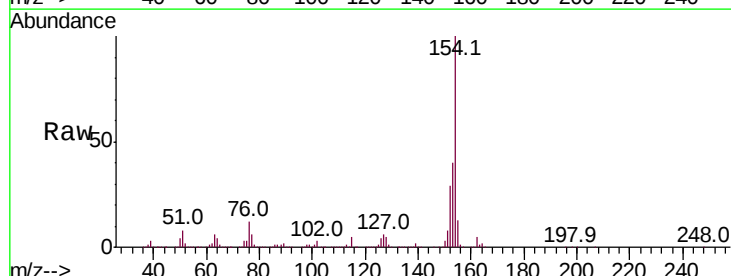
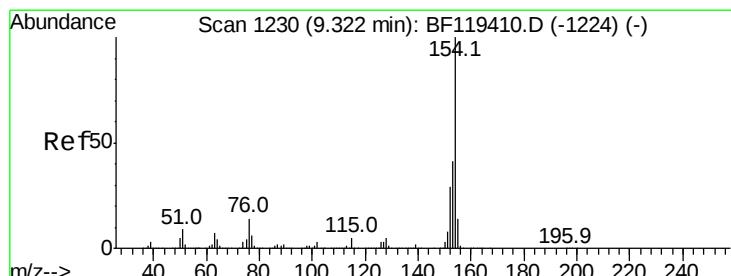
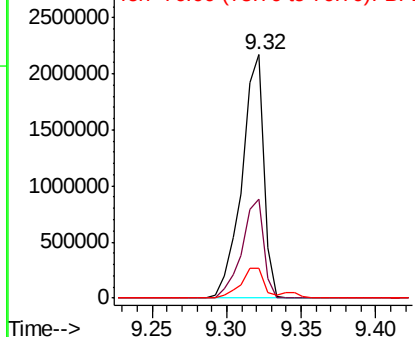
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

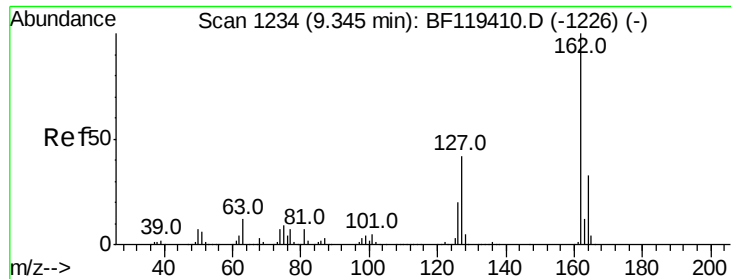


#46
1,1'-Biphenyl
Concen: 44.826 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	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





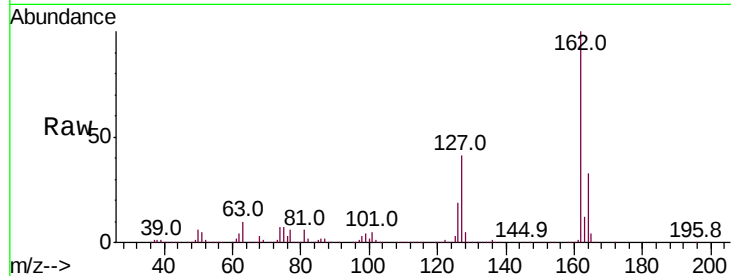
#47
2-Chloronaphthalene
Concen: 44.246 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

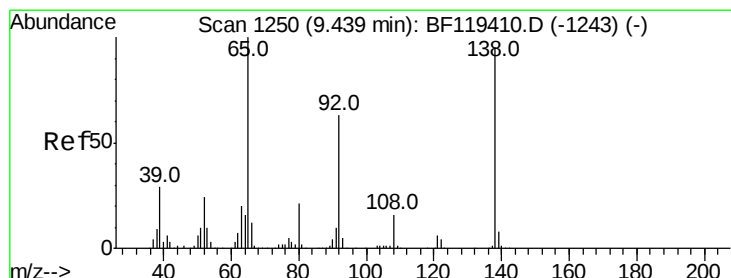
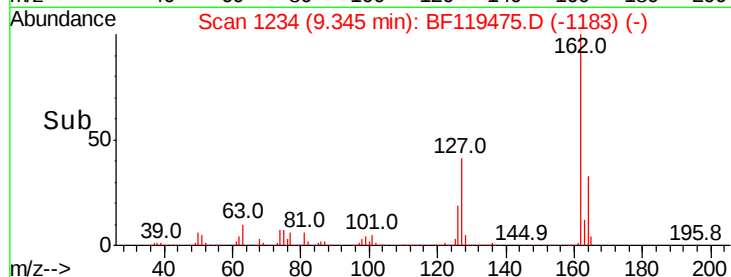
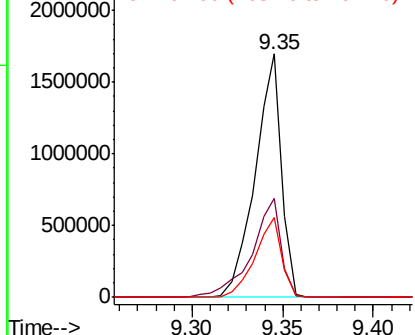
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.7	50.5
164	33.0	26.2	39.4

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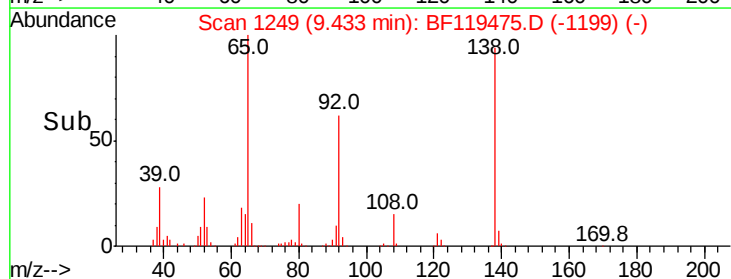
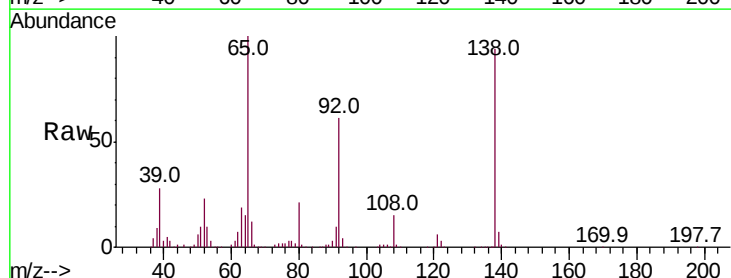
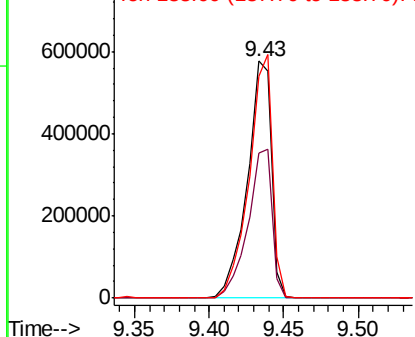
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

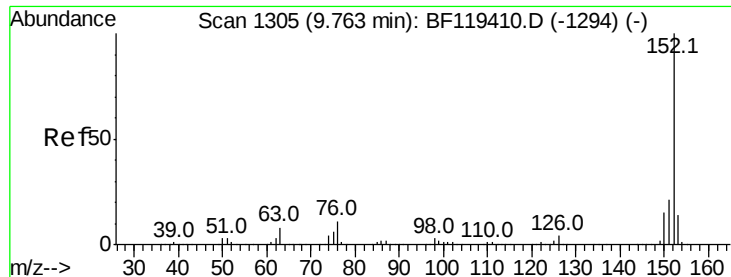


#48
2-Nitroaniline
Concen: 48.496 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.4	50.5	75.7
138	93.6	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: 44.823 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion:152 Resp: 2715123

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

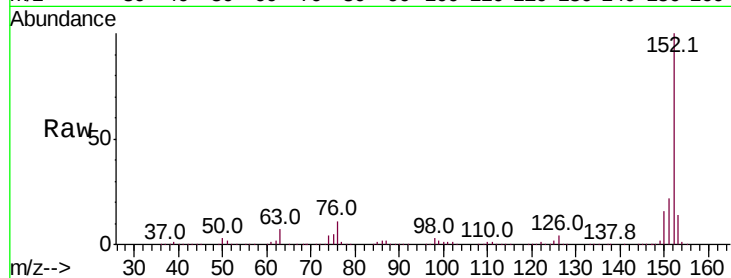
153 14.0 11.2 16.8

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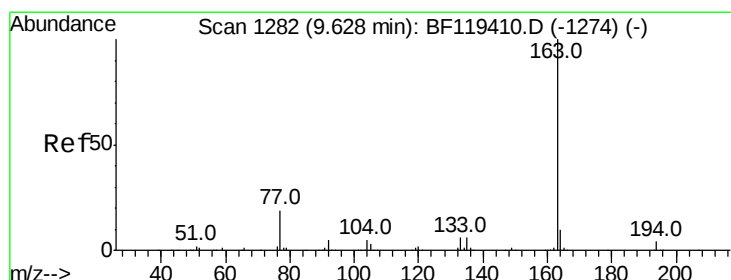
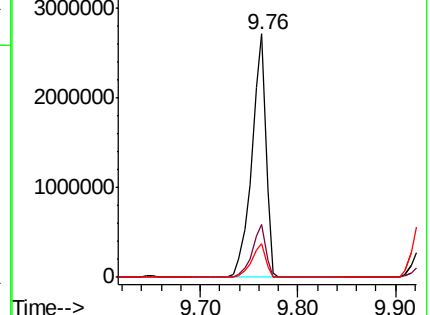
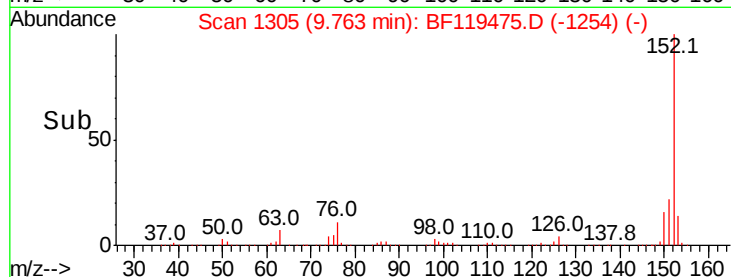
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 53.461 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

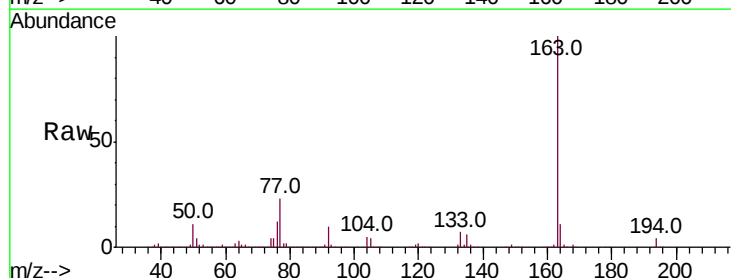
Tgt Ion:163 Resp: 2295974

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

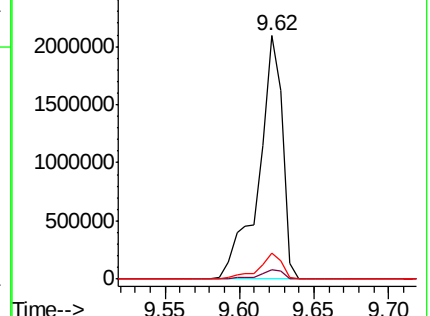
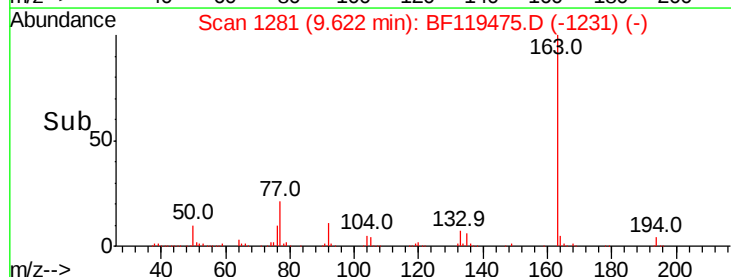
164 10.8 8.1 12.1

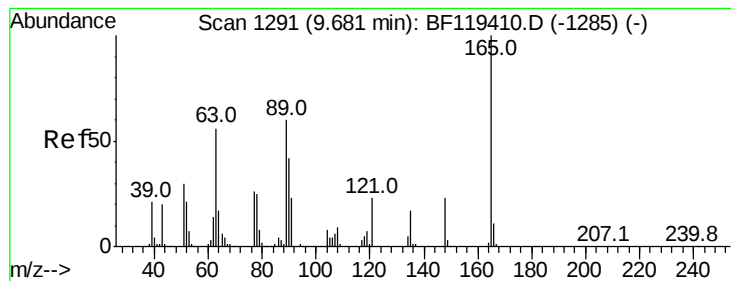


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 50.081 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion:165 Resp: 461019

Ion Ratio Lower Upper

165 100

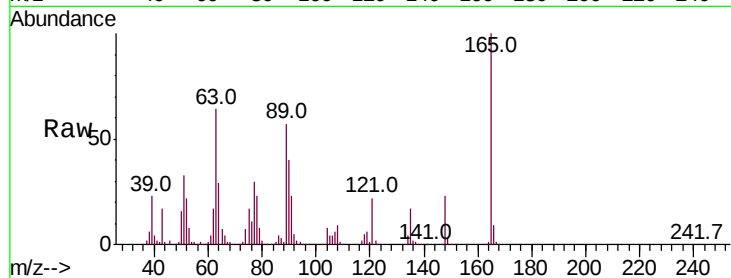
63 63.9 57.3 85.9

89 56.7 47.8 71.8

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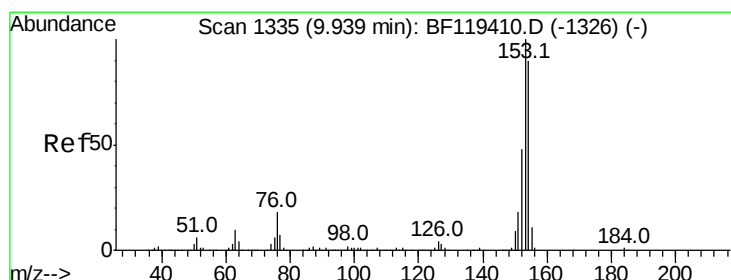
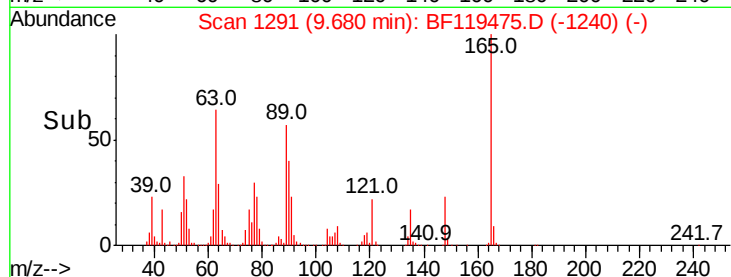
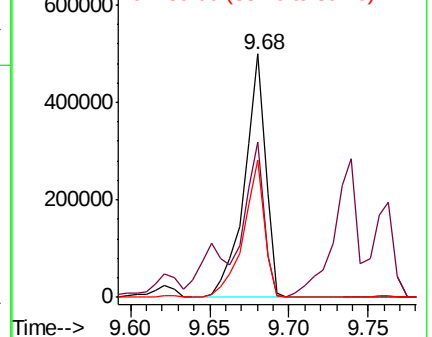
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 47.932 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

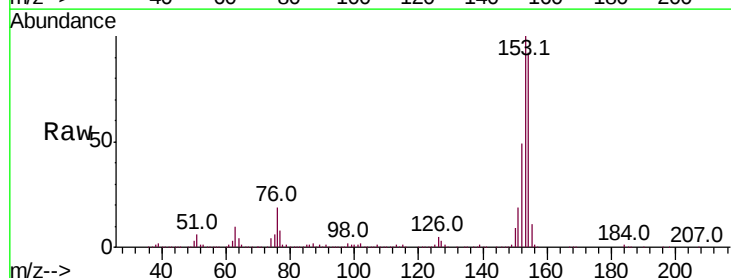
Tgt Ion:154 Resp: 1810033

Ion Ratio Lower Upper

154 100

153 108.3 89.0 133.6

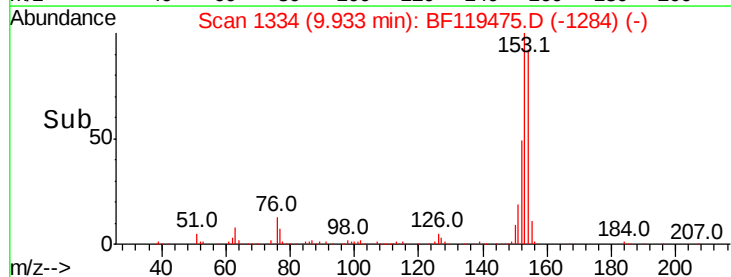
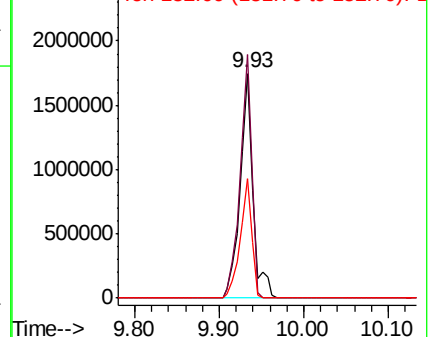
152 53.0 43.1 64.7

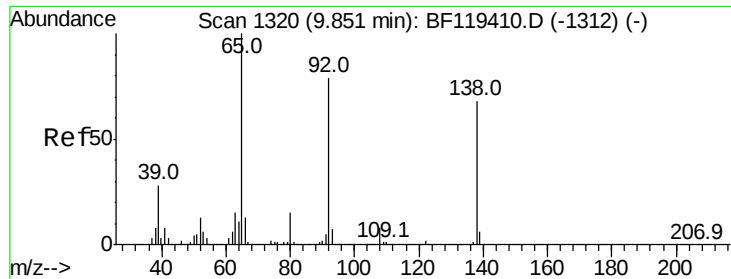


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





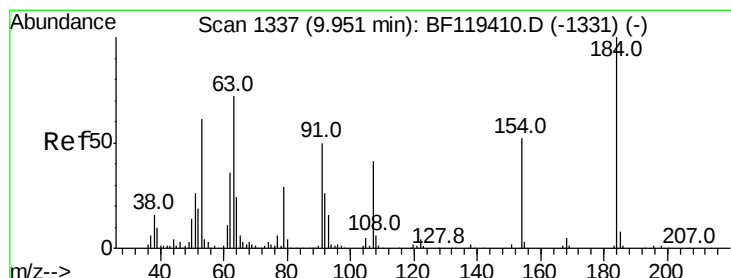
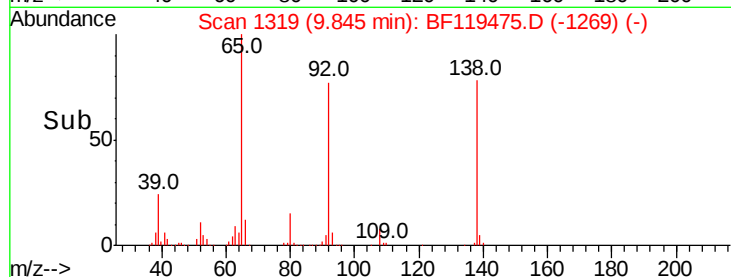
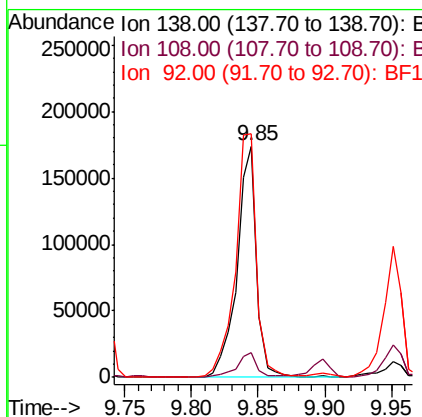
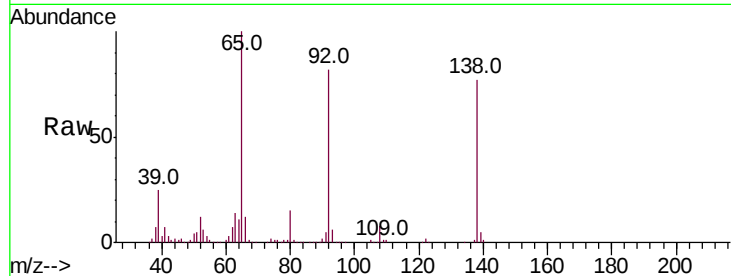
#53
3-Nitroaniline
Concen: 15.379 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	178731		
108	10.9	9.0	13.6	
92	105.5	93.2	139.8	

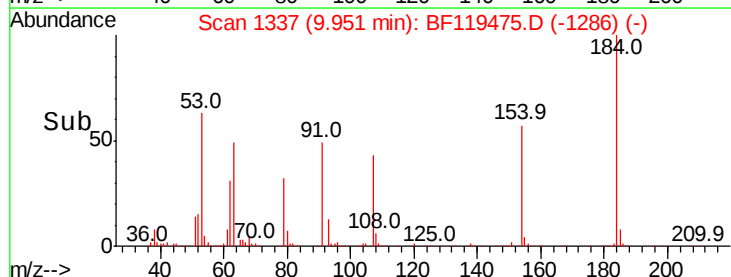
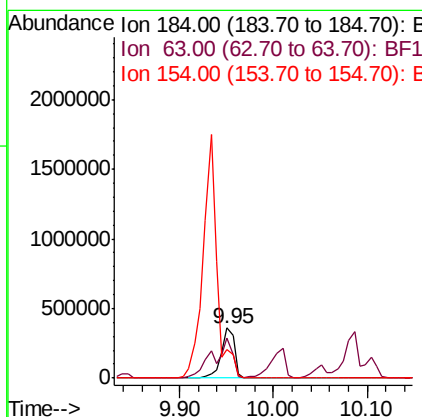
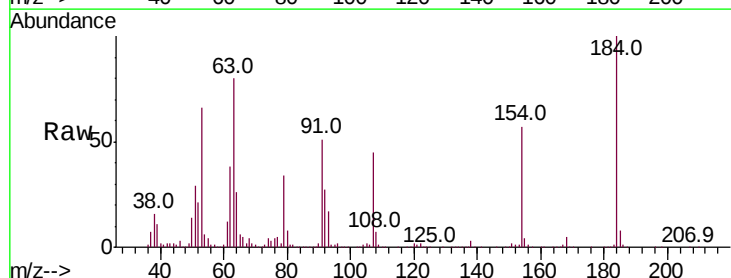
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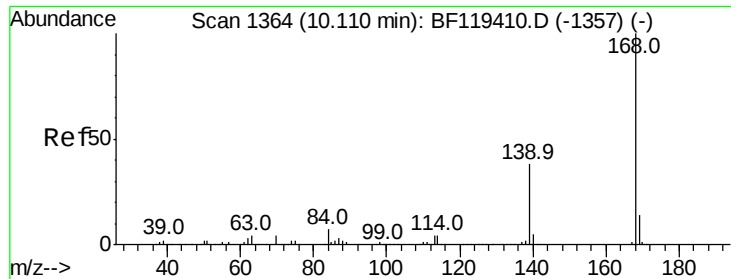
mohammad
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#54
2,4-Dinitrophenol
Concen: 87.957 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	353522		
63	80.2	58.5	87.7	
154	57.3	51.8	77.6	





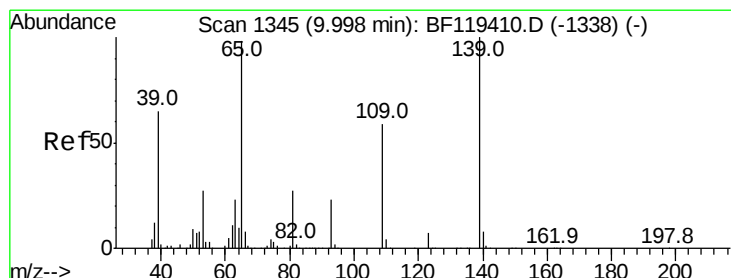
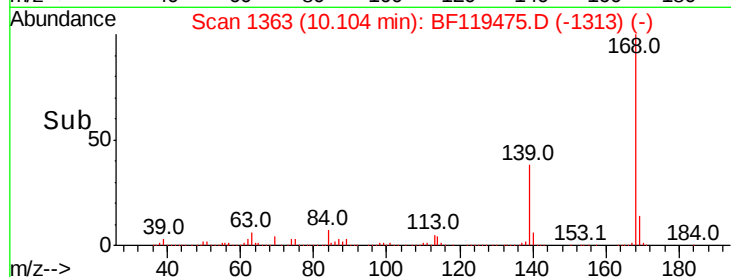
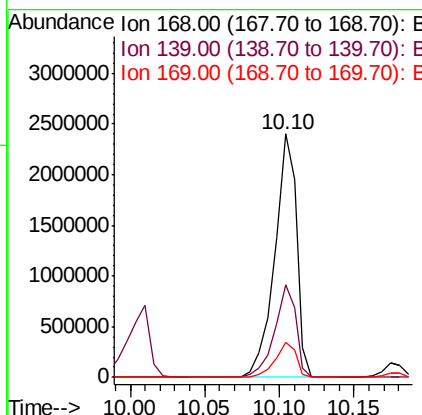
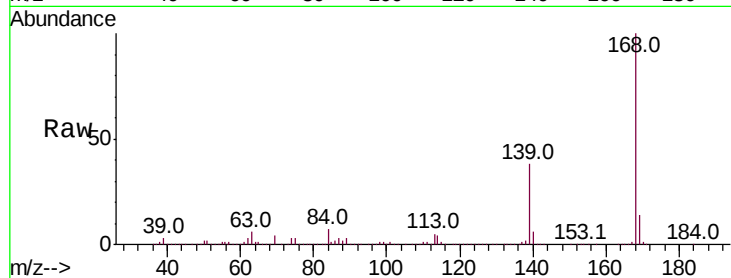
#55
Dibenzofuran
Concen: 45.191 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.2	45.4
169	14.2	11.1	16.7

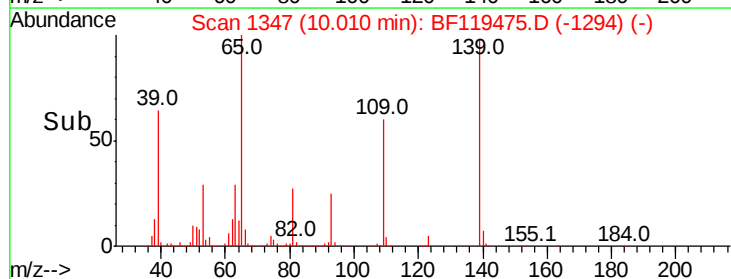
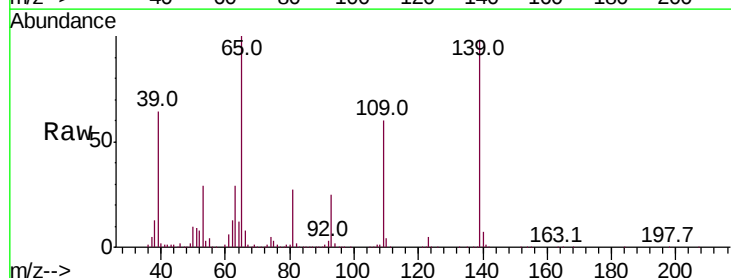
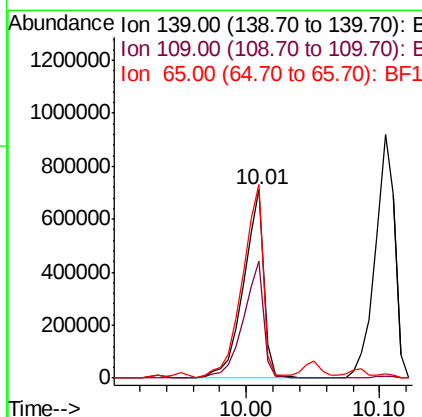
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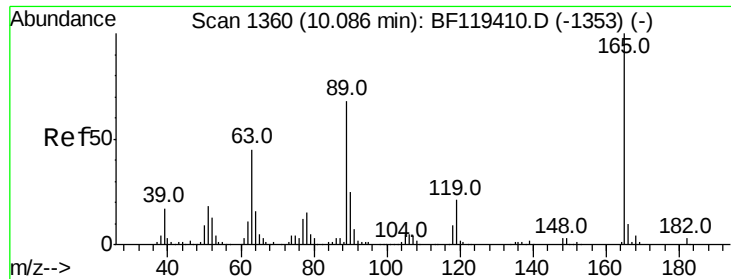
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#56
4-Nitrophenol
Concen: 80.614 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.0	39.6	79.6
65	102.5	78.3	118.3





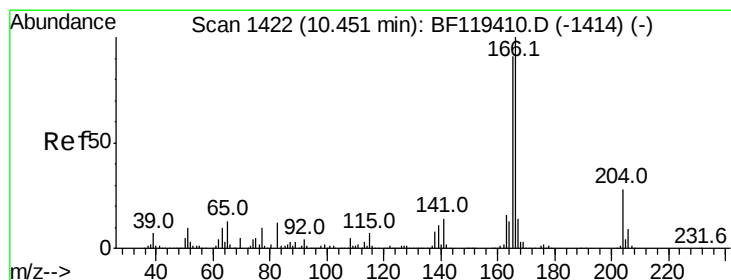
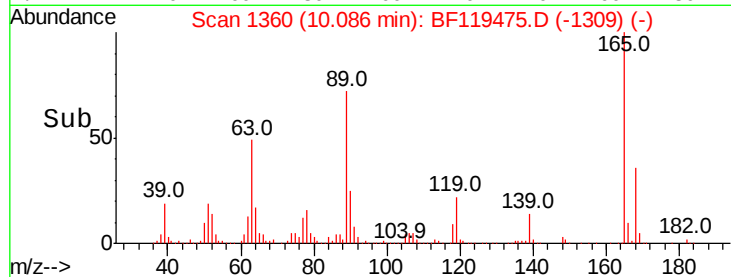
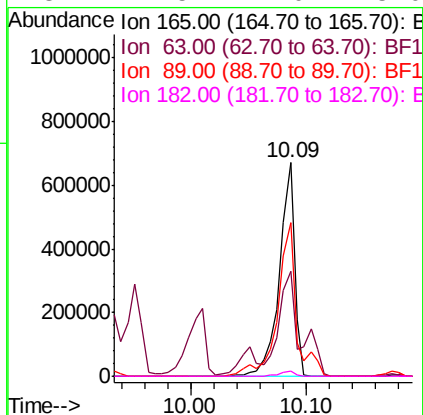
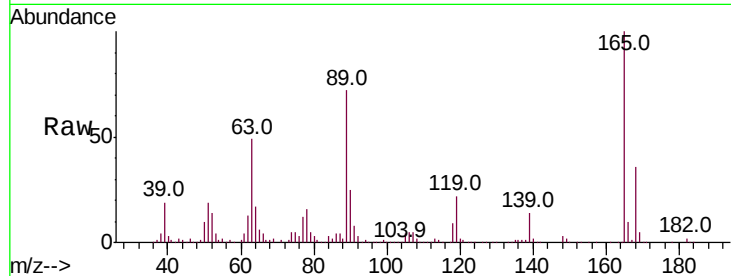
#57
 2,4-Dinitrotoluene
 Concen: 53.008 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.3	36.2	54.4
89	71.7	54.3	81.5
182	2.5	2.0	3.0

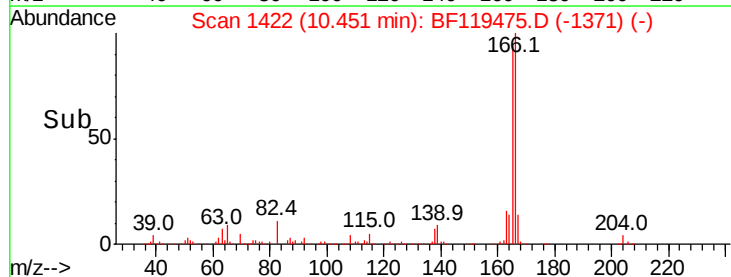
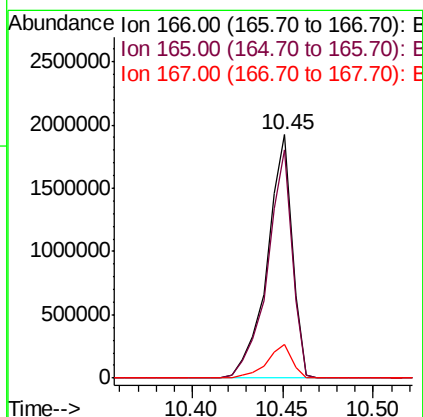
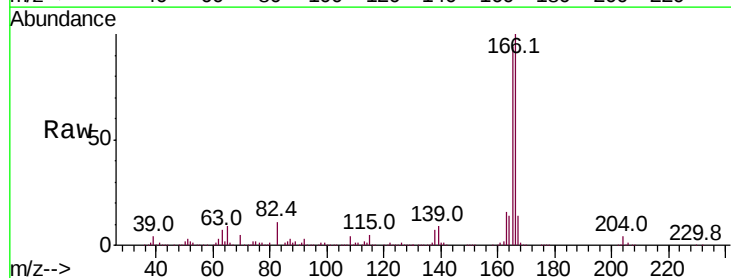
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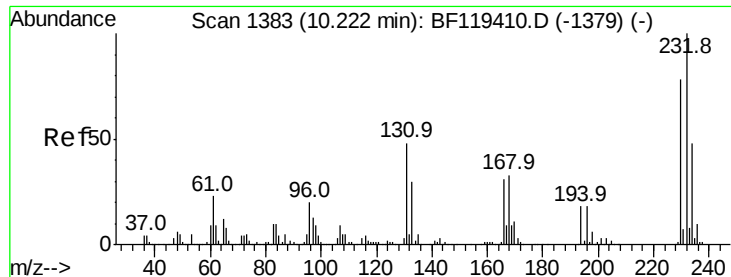
mohammad
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#58
 Fluorene
 Concen: 46.016 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.7	73.1	109.7
167	13.6	11.0	16.6





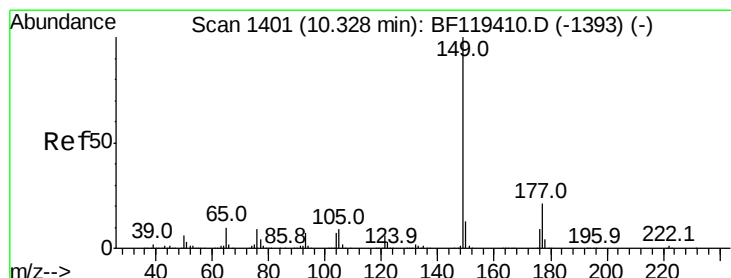
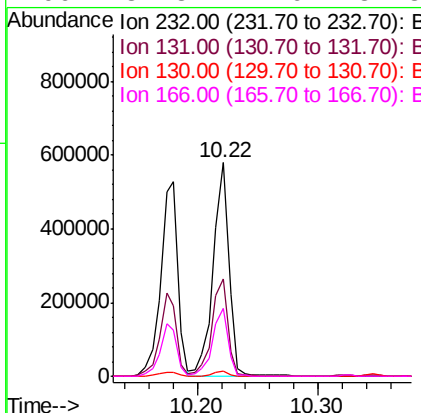
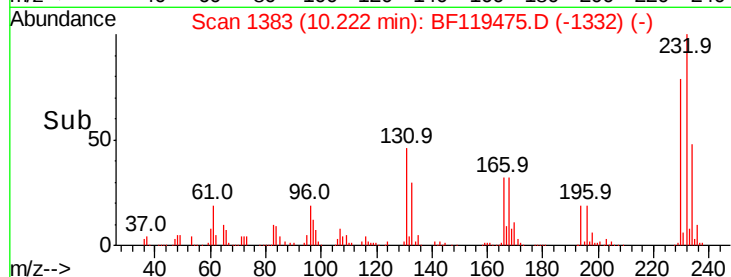
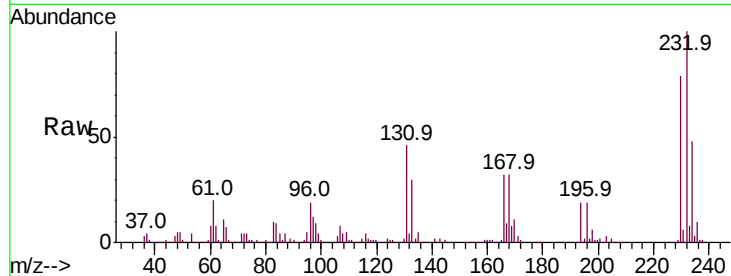
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.050 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.2	36.3	54.5
130	2.2	1.8	2.6
166	31.3	24.9	37.3

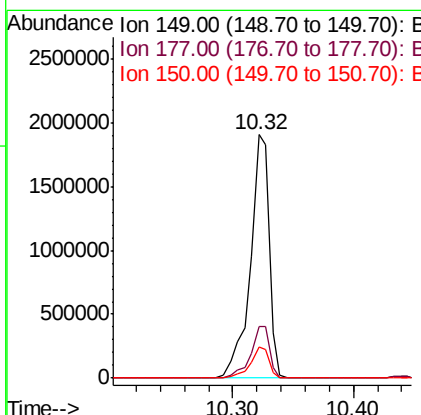
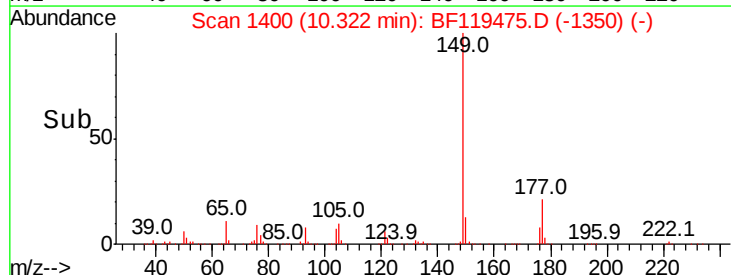
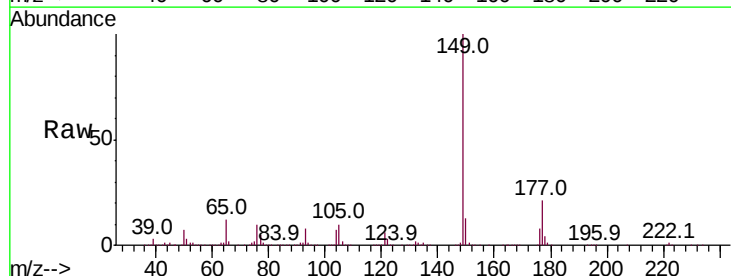
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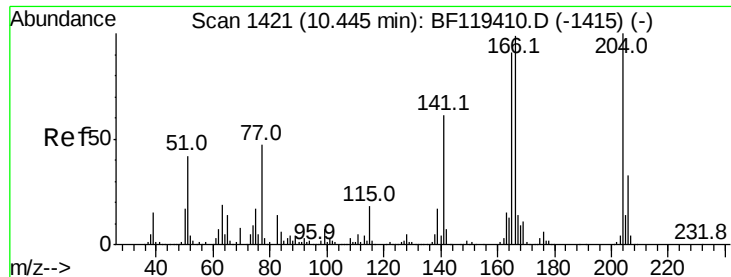
mohammad
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#60
 Diethylphthalate
 Concen: 47.831 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.0	25.6
150	13.0	10.2	15.4





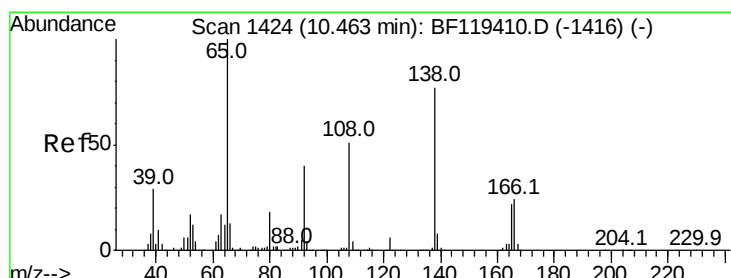
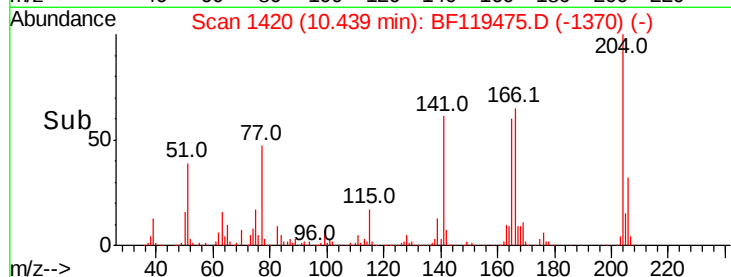
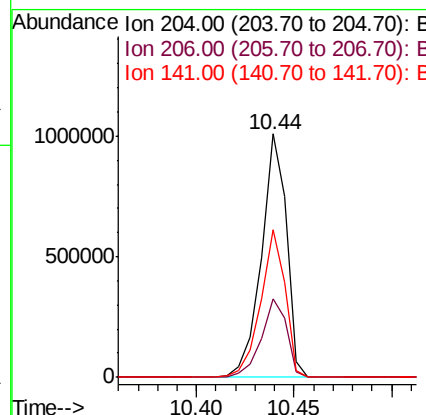
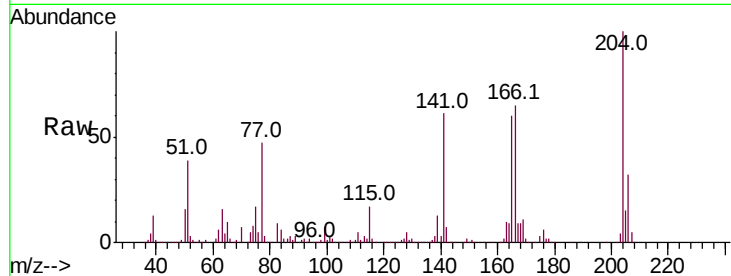
#61
 4-Chlorophenyl-phenylether
 Concen: 45.838 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.7	40.1
141	60.7	48.8	73.2

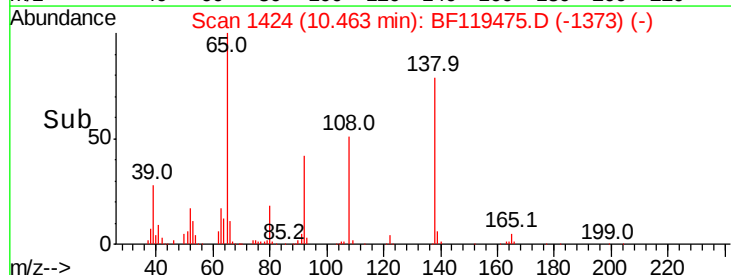
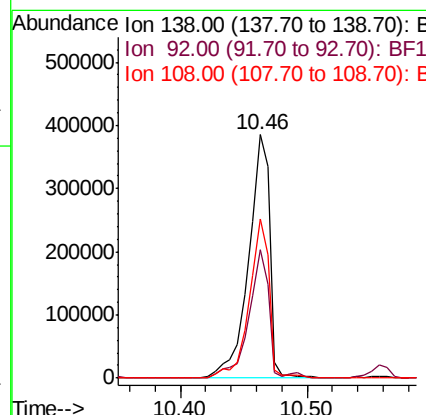
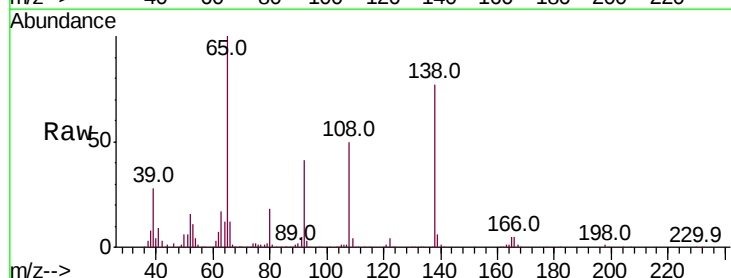
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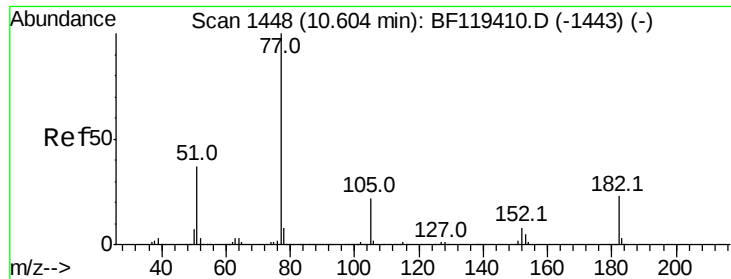
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#62
 4-Nitroaniline
 Concen: 40.096 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.7	32.0	72.0
108	65.3	46.0	86.0





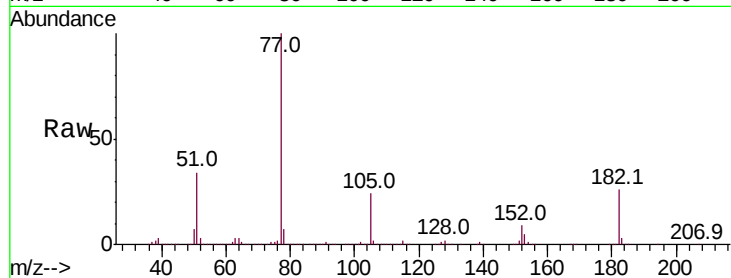
#63
Azobenzene
Concen: 45.762 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

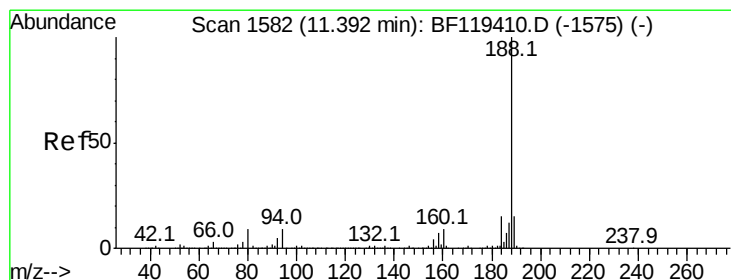
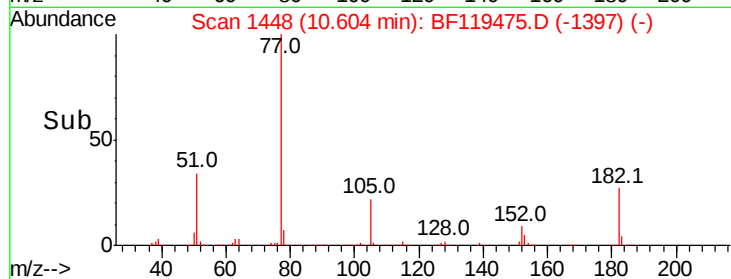
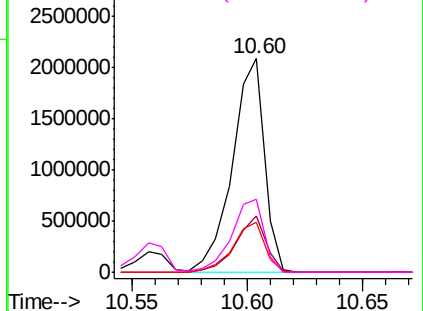
Tot Ion: 77 Resp: 2008683
Ion Ratio Lower Upper
77 100
182 26.5 2.5 42.5
105 23.5 2.5 42.5
51 34.0 17.1 57.1

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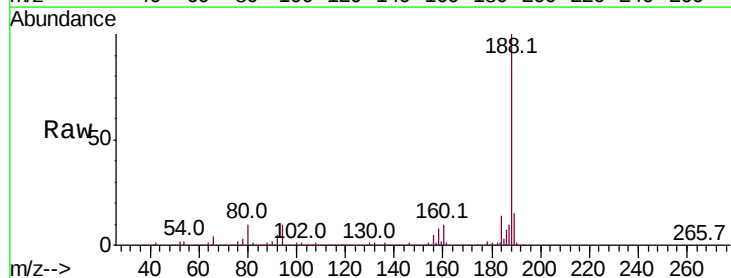


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

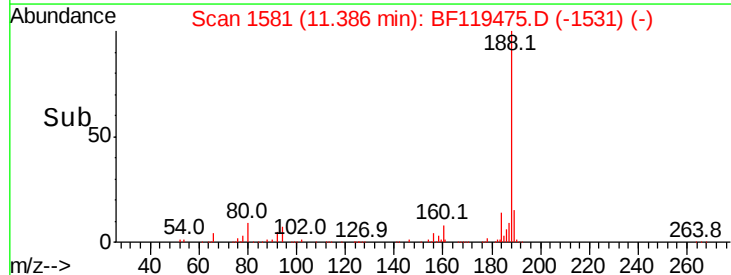
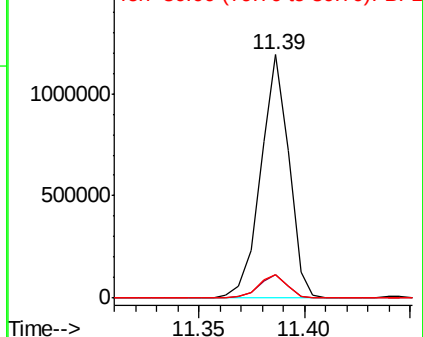


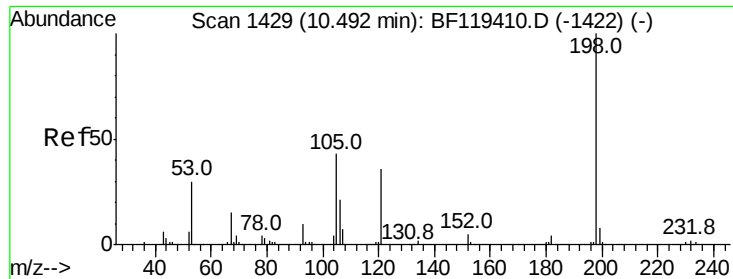
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion: 188 Resp: 1106725
Ion Ratio Lower Upper
188 100
94 9.8 7.1 10.7
80 9.7 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 55.279 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

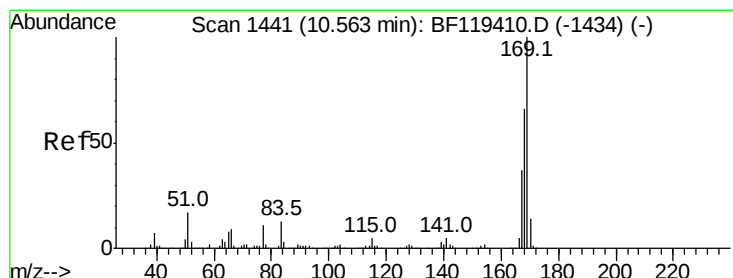
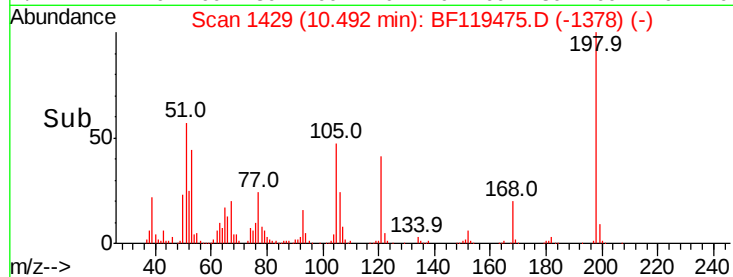
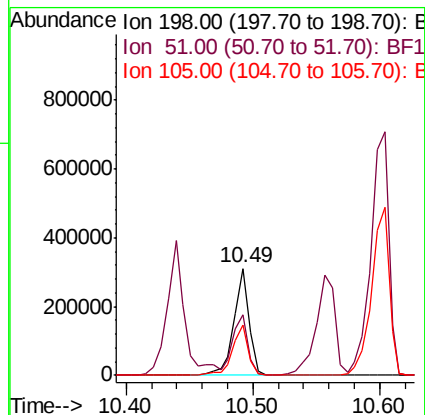
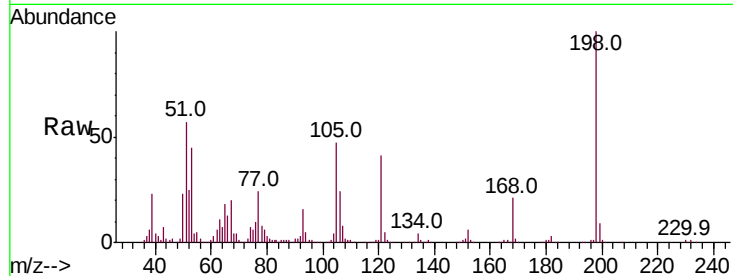
ClientSampleId :

BU-02-031920MS

Tot Ion:	198	Resp:	256537
Ion Ratio	Lower	Upper	
198	100		
51	57.0	33.1	73.1
105	46.9	24.1	64.1

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#66

n-Nitrosodiphenylamine

Concen: 48.003 ng

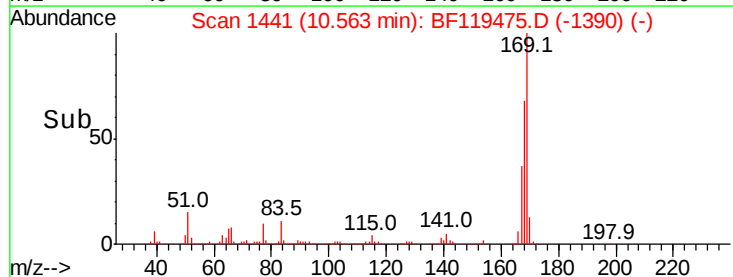
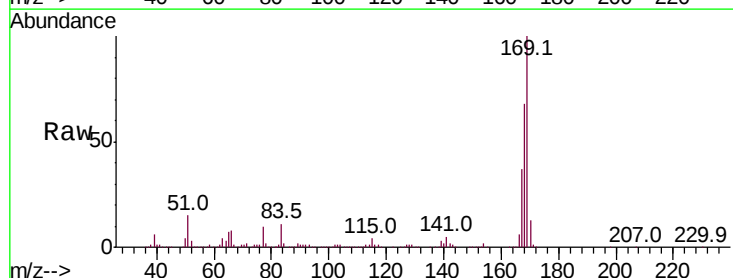
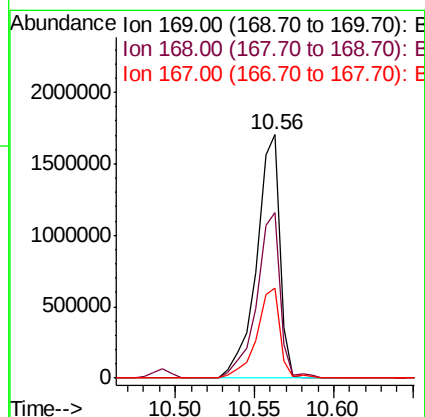
RT: 10.56 min Scan# 1441

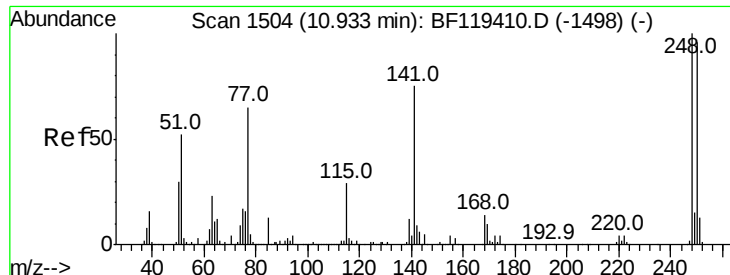
Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Tgt Ion:	169	Resp:	1744060
Ion Ratio	Lower	Upper	
169	100		
168	67.8	52.7	79.1
167	37.0	29.3	43.9





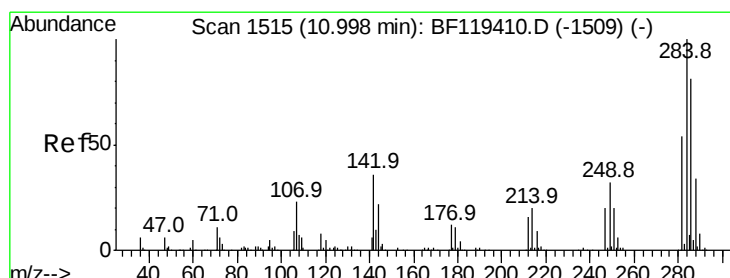
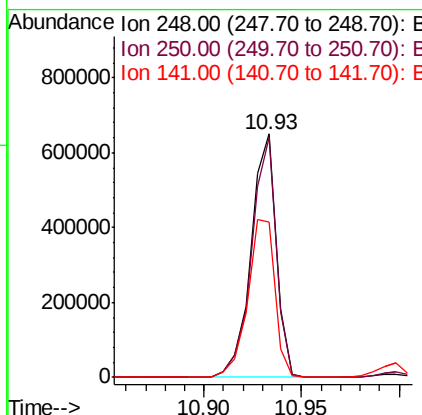
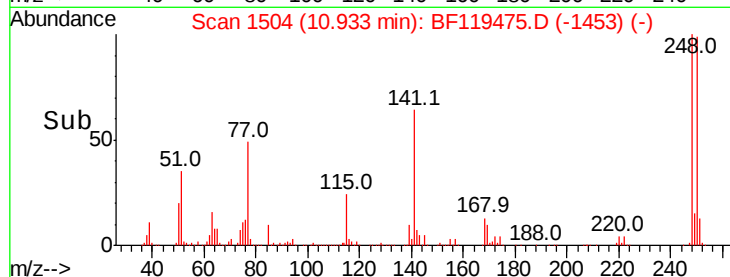
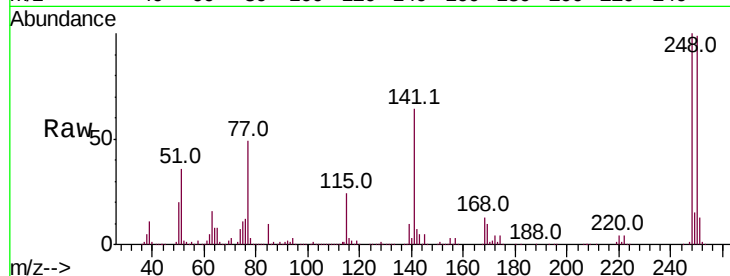
#67
 4-Bromophenyl-phenylether
 Concen: 46.328 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.0	115.6
141	63.6	59.7	89.5

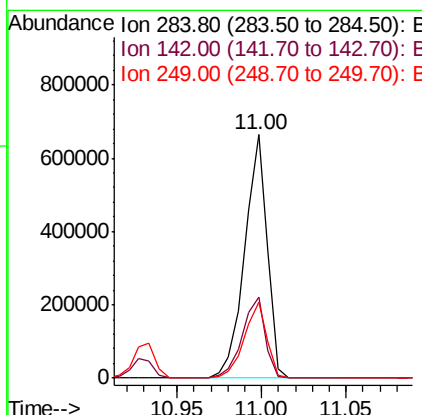
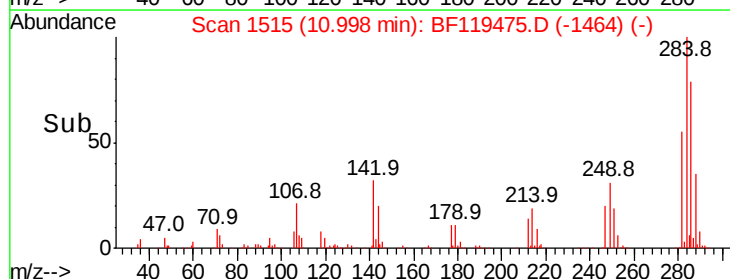
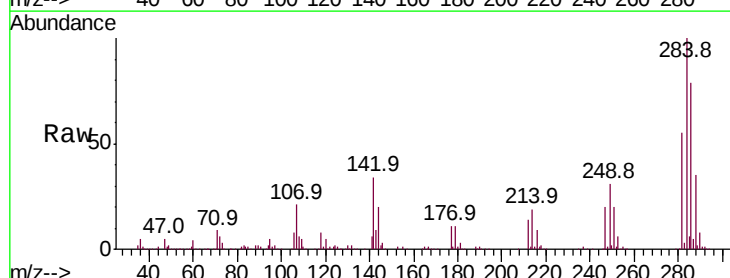
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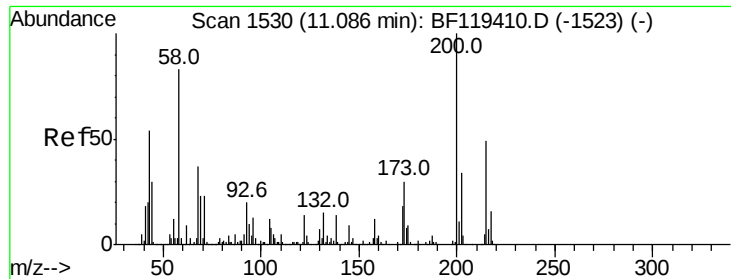
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#68
 Hexachlorobenzene
 Concen: 47.975 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.5	28.7	43.1
249	31.2	25.4	38.0





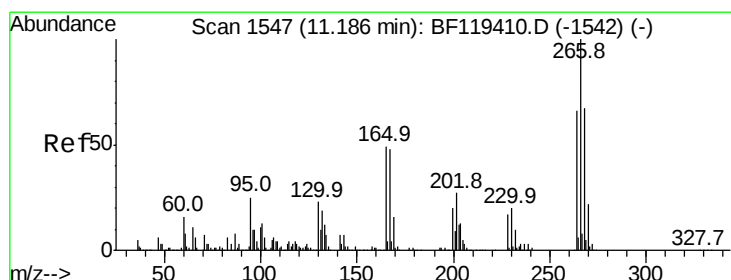
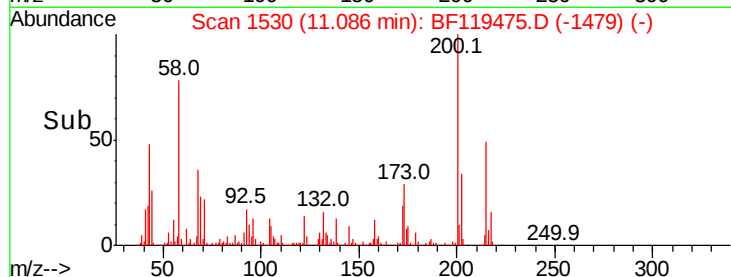
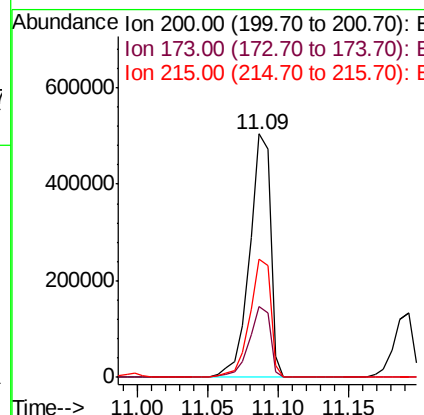
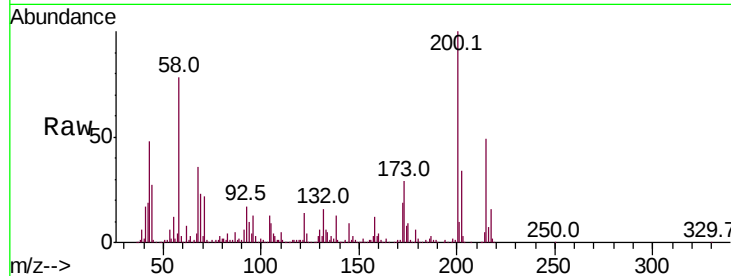
#69
Atrazine
Concen: 52.414 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.9	9.9	49.9
215	48.7	29.4	69.4

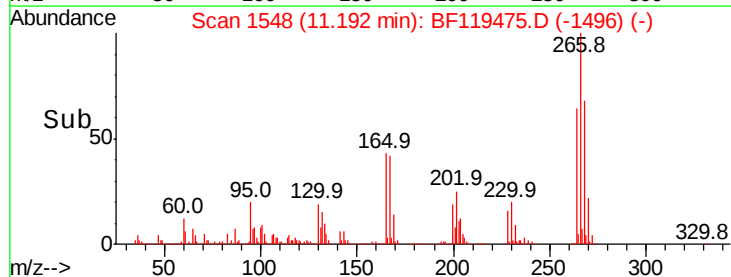
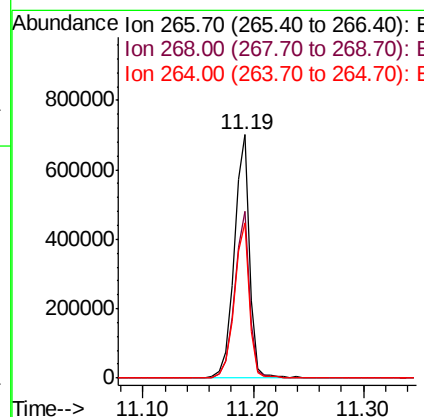
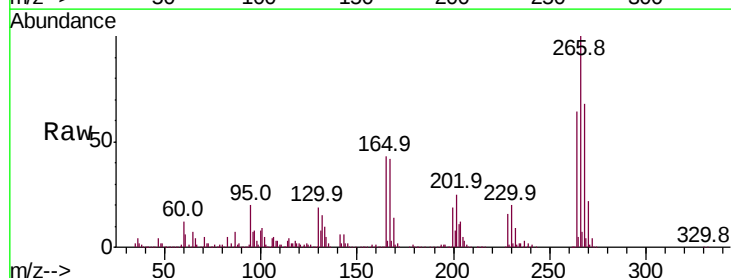
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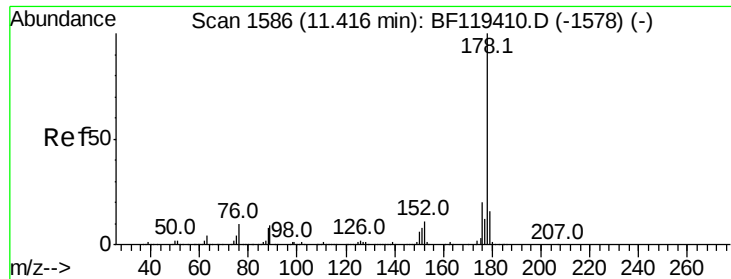
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#70
Pentachlorophenol
Concen: 90.252 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.3	53.7	80.5
264	63.6	52.5	78.7





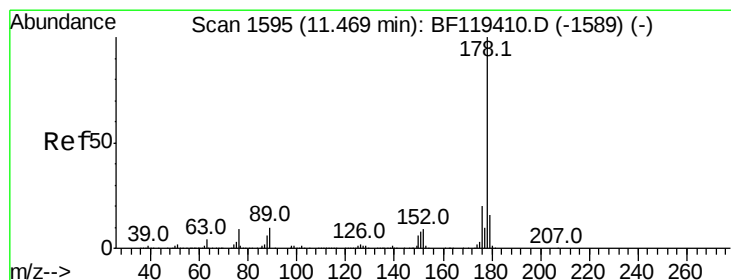
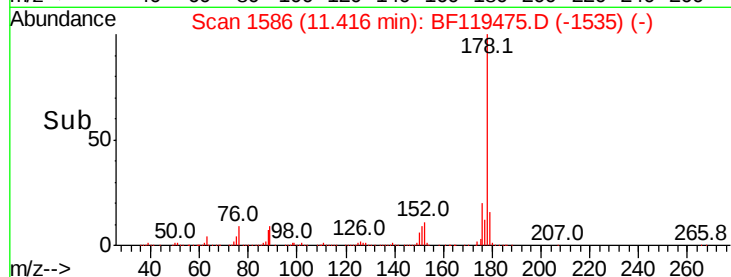
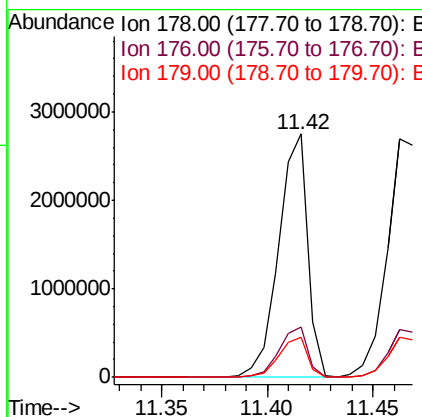
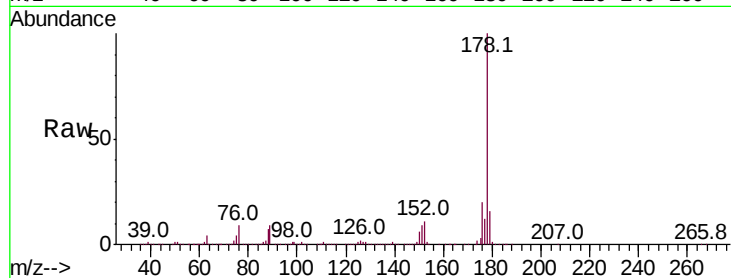
#71
Phenanthrene
Concen: 46.096 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	16.2	12.9	19.3

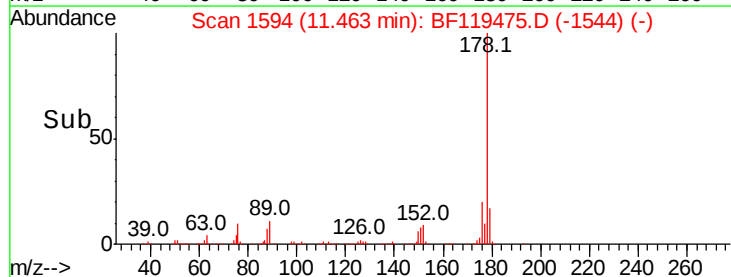
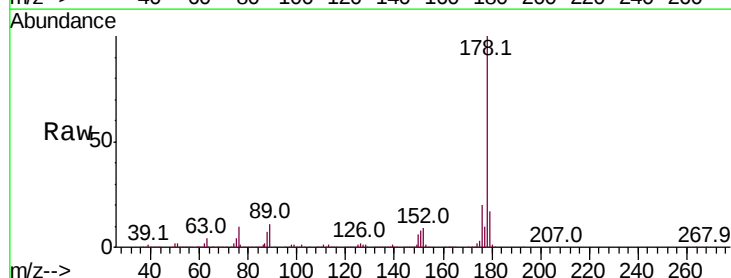
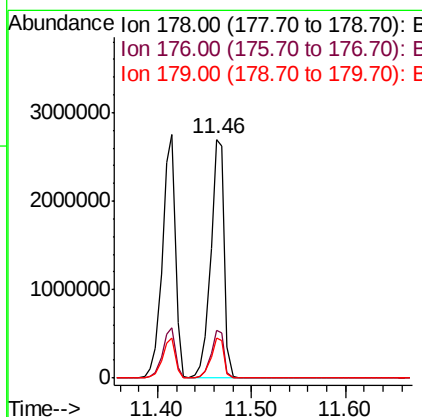
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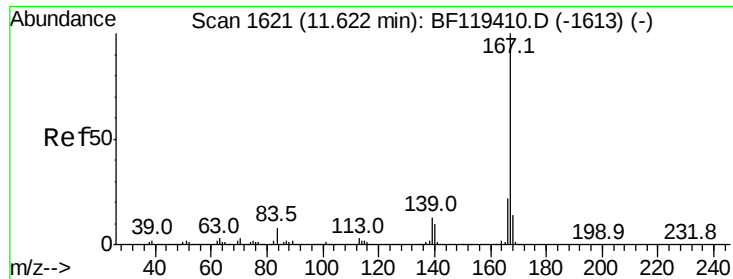
mohammad
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#72
Anthracene
Concen: 47.248 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.6	23.4
179	16.6	13.1	19.7





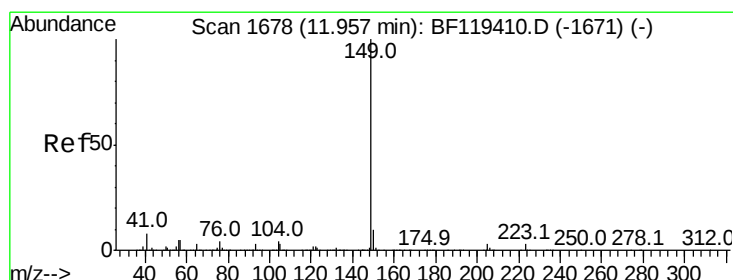
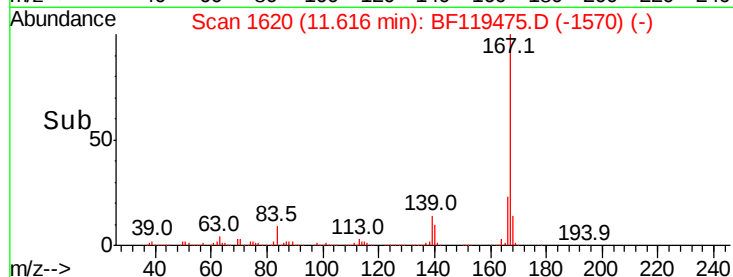
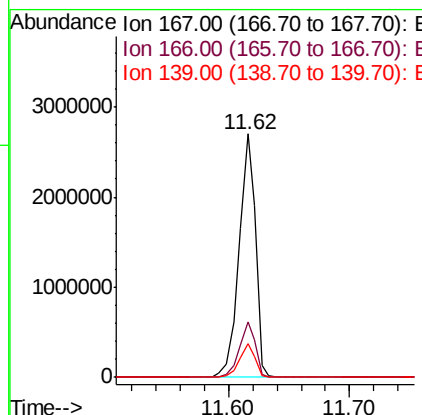
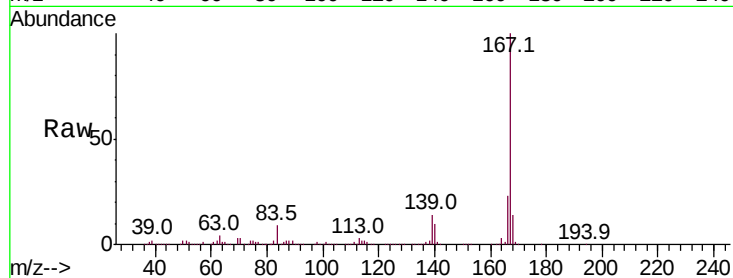
#73
 Carbazole
 Concen: 44.390 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

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

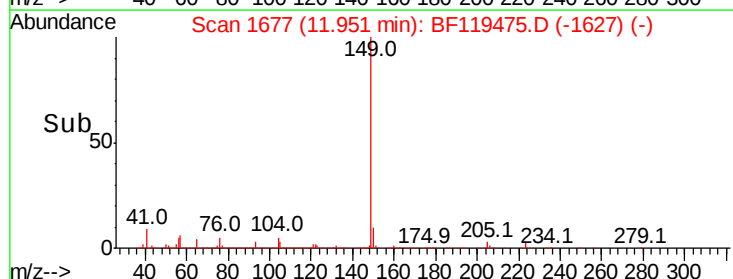
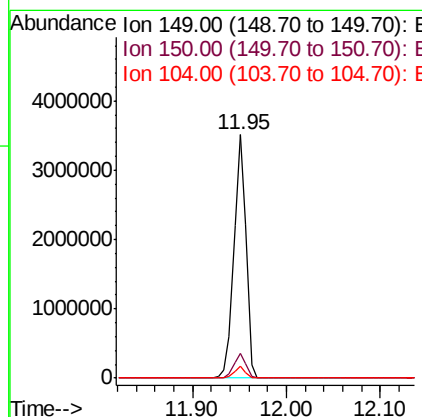
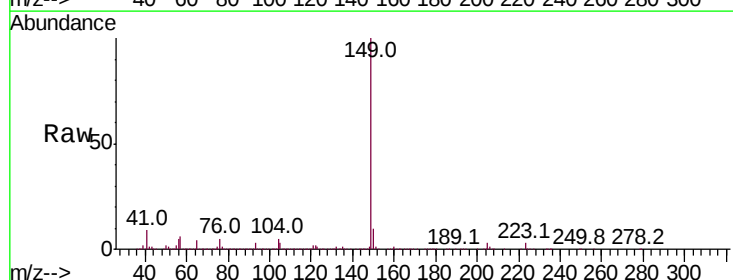
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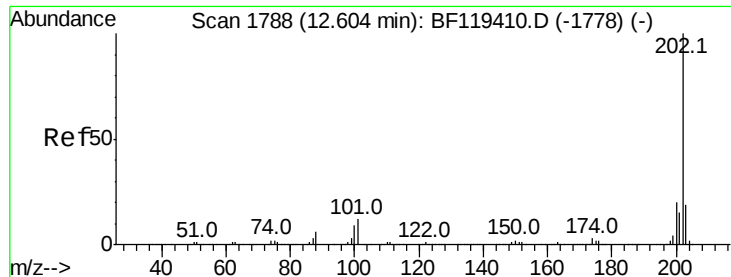
mohammad
 3/23/2020 9:40:47 AM



#74
 Di-n-butylphthalate
 Concen: 50.776 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.6	11.4
104	5.1	3.5	5.3





#75

Fluoranthene

Concen: 43.510 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

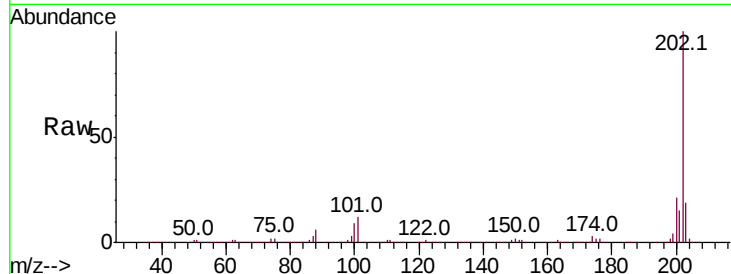
ClientSampleId :

BU-02-031920MS

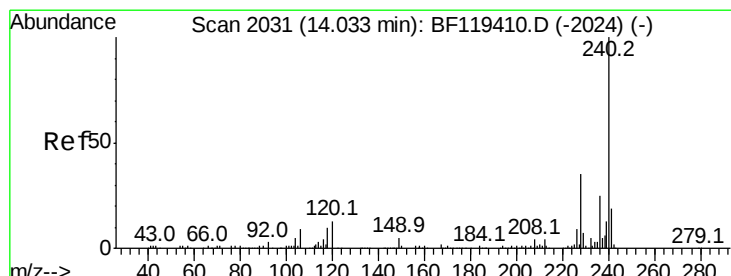
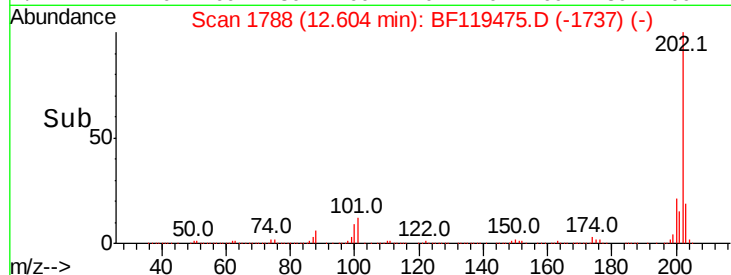
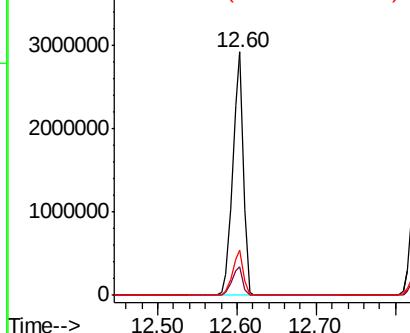
Tot Ion:	202	Resp:	2702220
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	18.7	0.0	38.5

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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

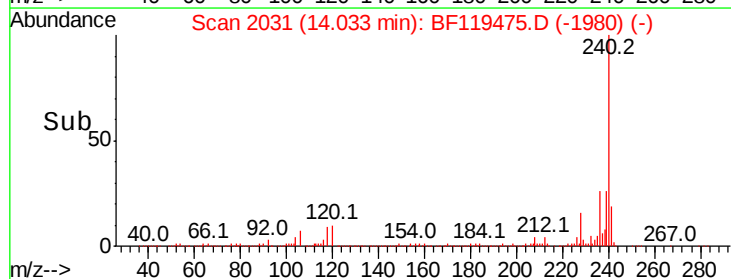
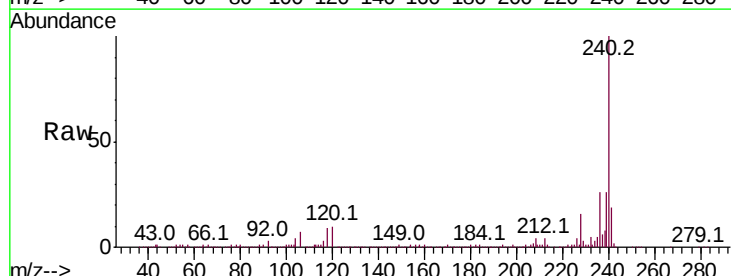
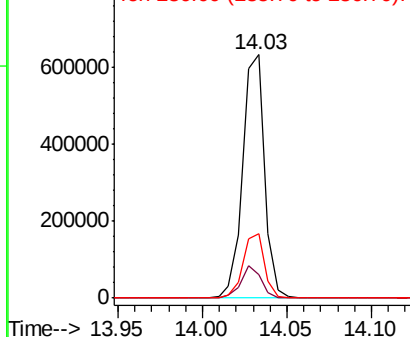
Delta R.T. -0.00 min

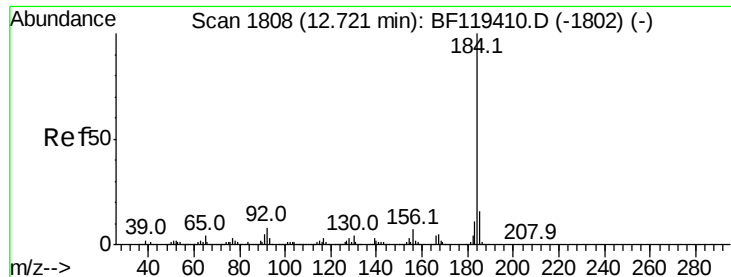
Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Tgt Ion:	240	Resp:	573523
Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.2	15.4#
236	26.5	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: 43.691 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion:184 Resp: 1060459

Ion Ratio Lower Upper

184 100

185 14.3 12.9 19.3

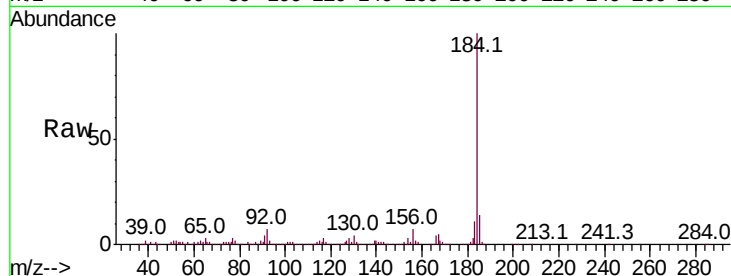
183 10.8 9.0 13.4

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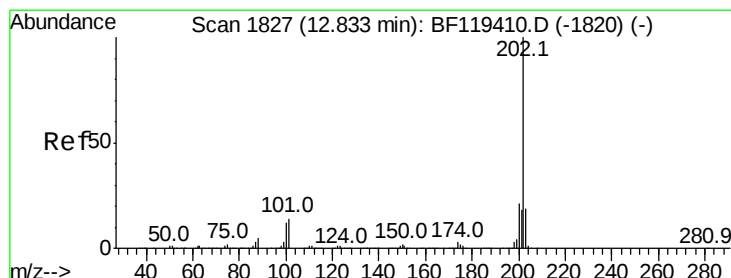
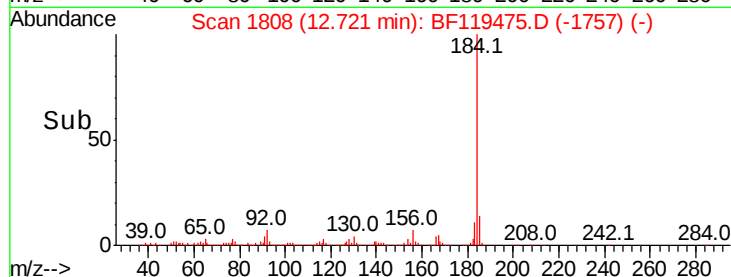
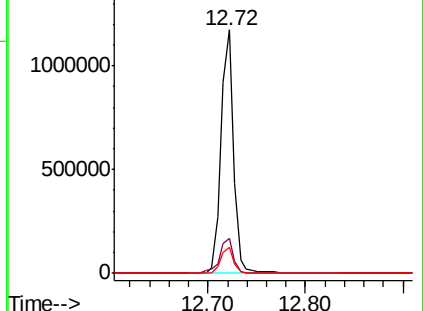
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 57.279 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

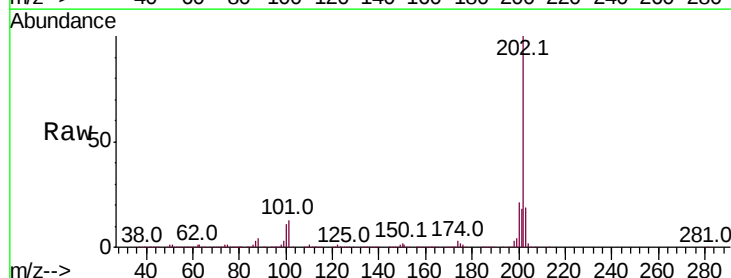
Tgt Ion:202 Resp: 2696040

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

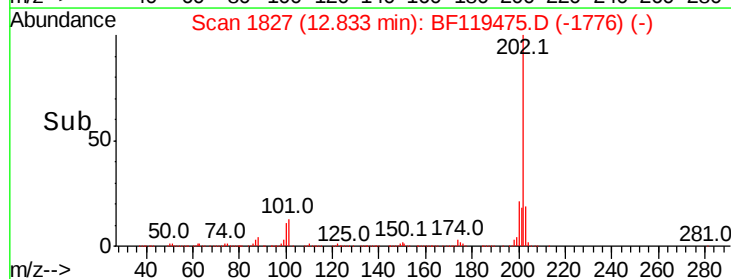
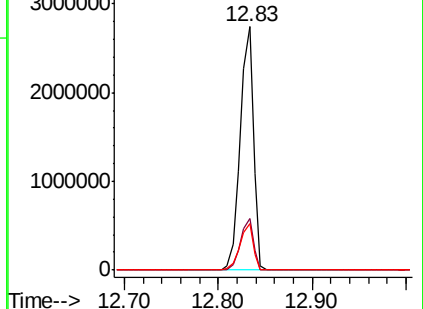
203 18.9 14.8 22.2

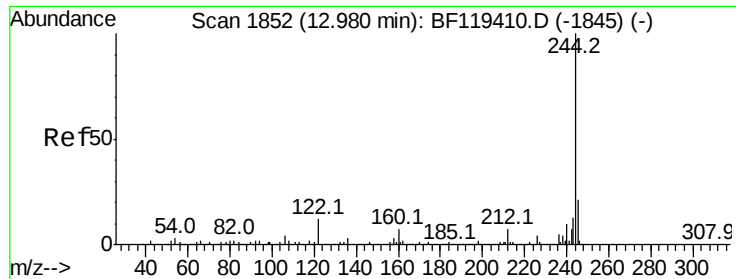


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





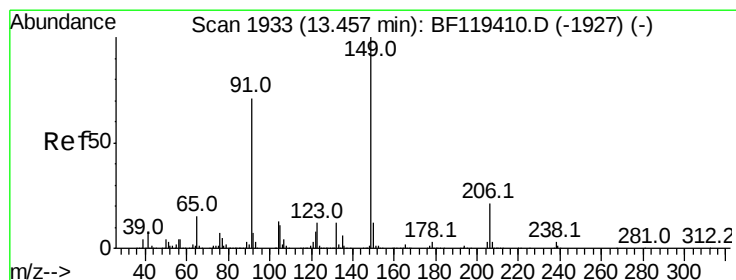
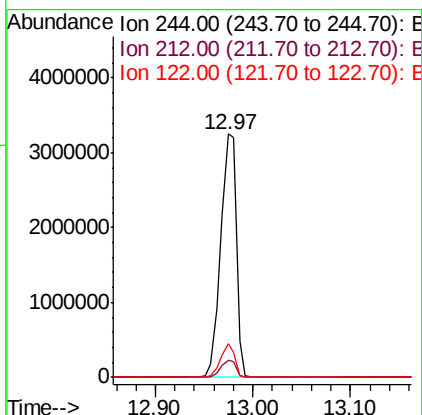
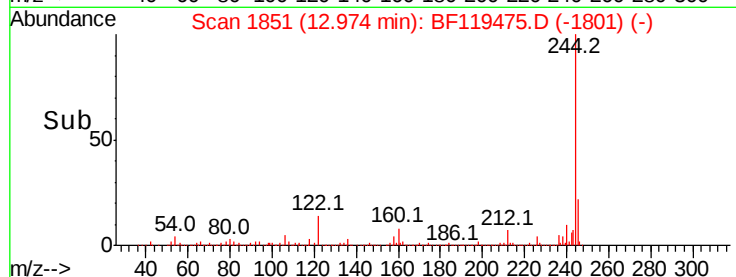
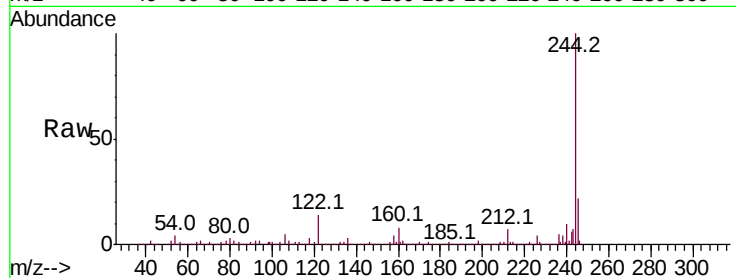
#79
 Terphenyl-d14
 Concen: 124.036 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion:244 Resp: 3630909
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 13.6 9.8 14.8

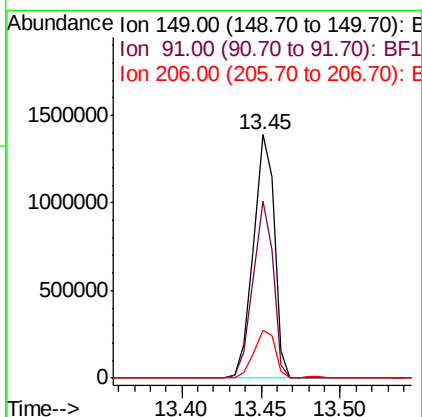
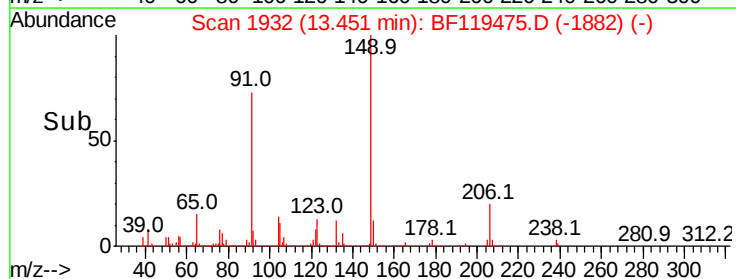
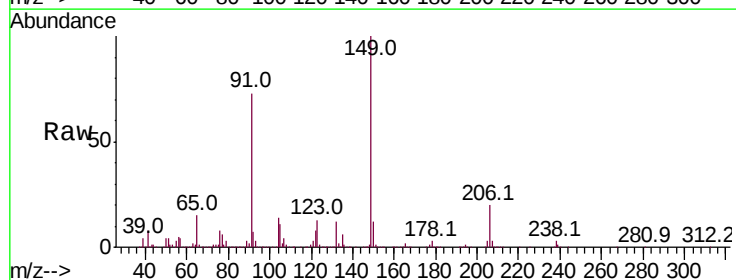
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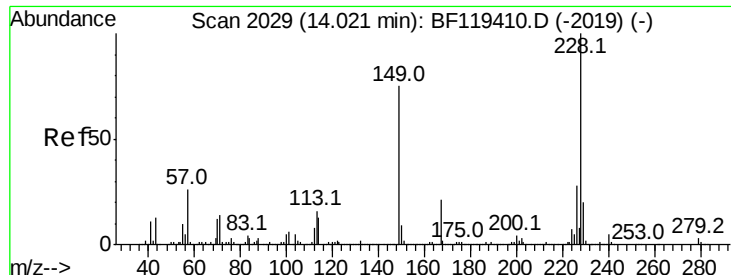
mohammad
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#80
 Butylbenzylphthalate
 Concen: 67.257 ng
 RT: 13.45 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion:149 Resp: 1280376
 Ion Ratio Lower Upper
 149 100
 91 72.5 57.0 85.6
 206 19.5 16.4 24.6





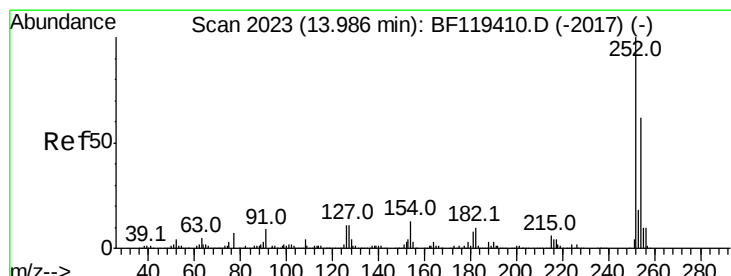
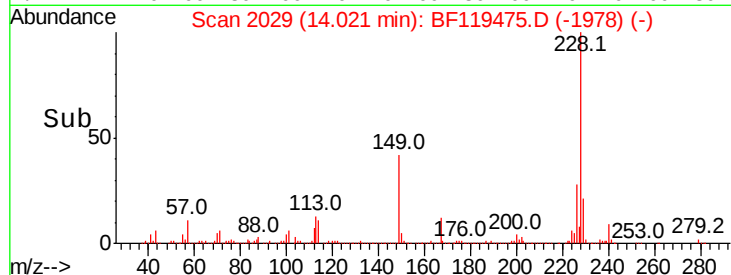
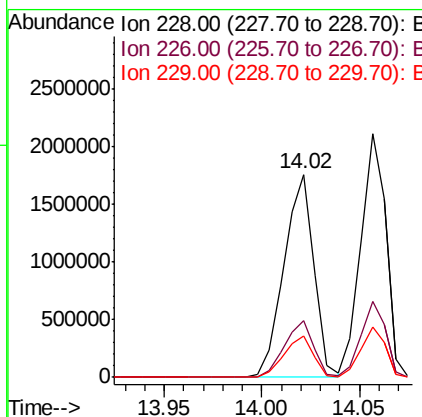
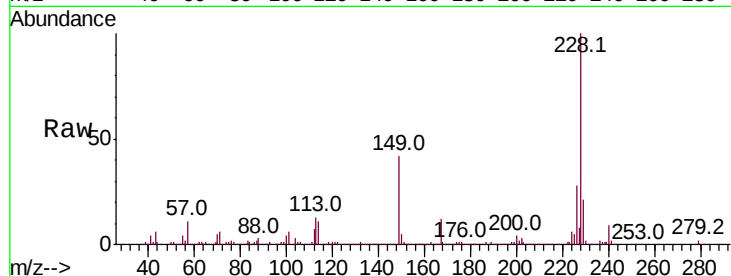
#81
Benzo(a)anthracene
Concen: 49.819 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	20.6	16.3	24.5

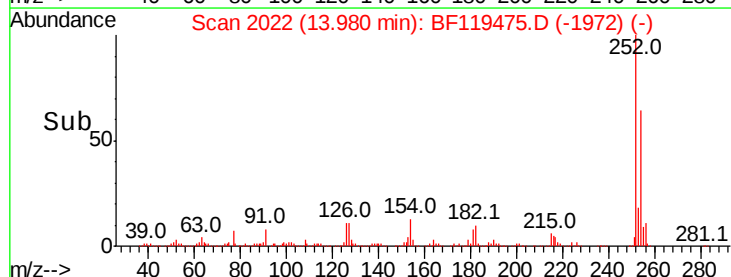
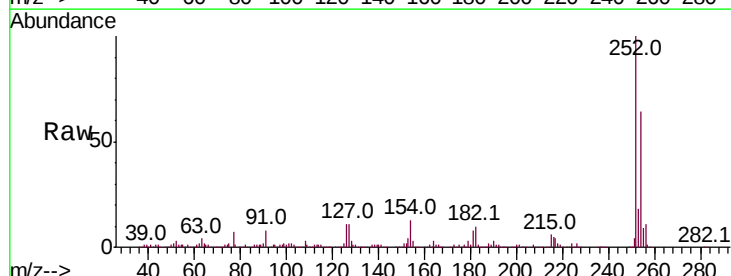
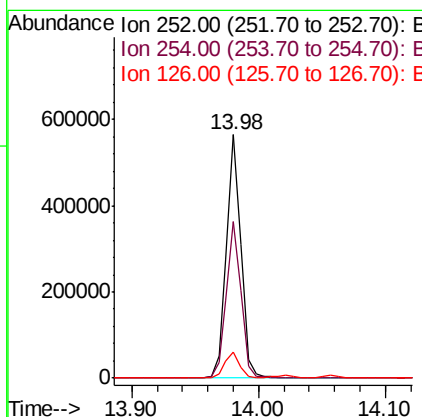
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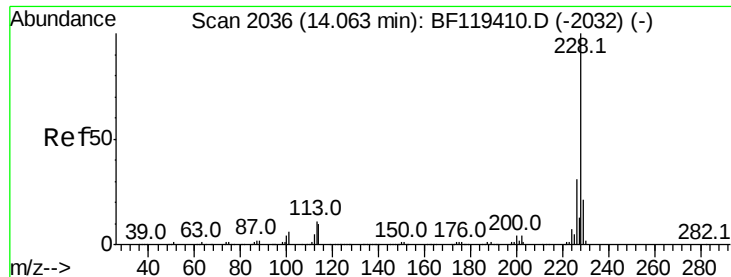
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 30.653 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.1	49.8	74.8
126	10.7	8.9	13.3





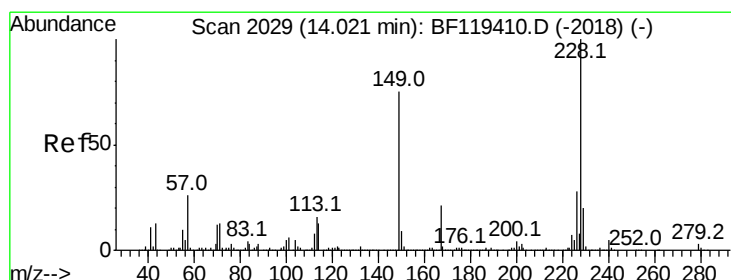
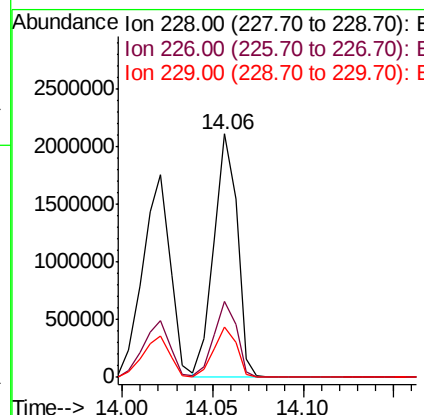
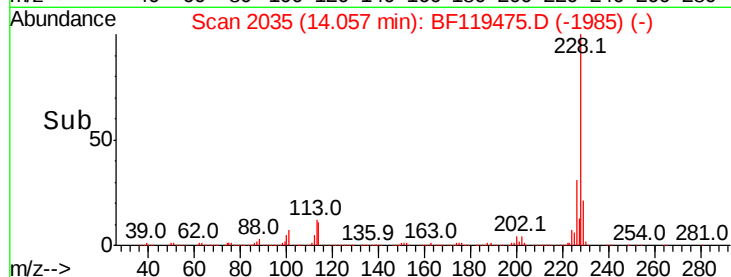
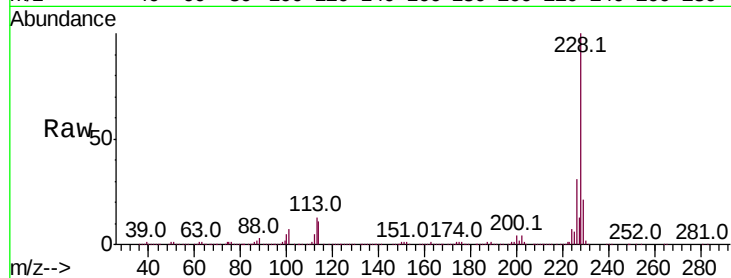
#83
 Chrysene
 Concen: 49.164 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	20.6	16.6	25.0

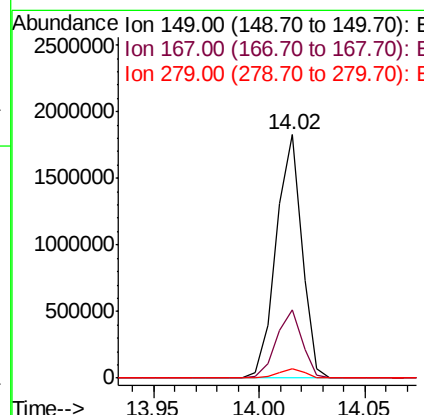
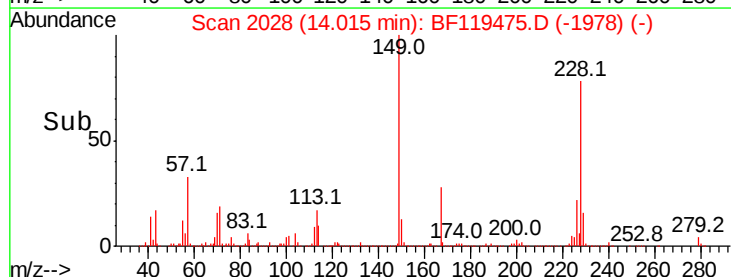
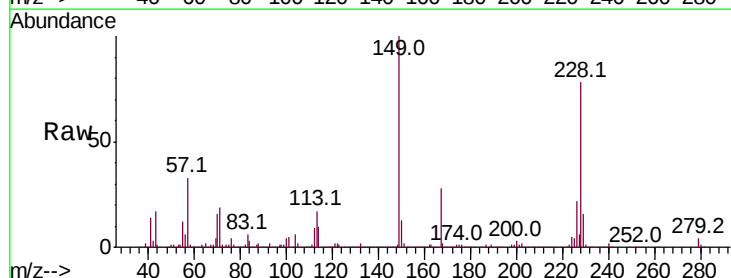
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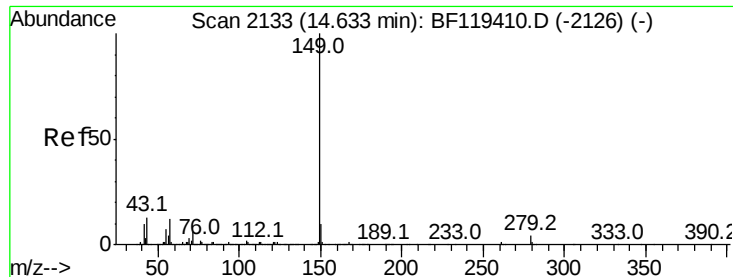
mohammad
 3/23/2020 9:40:47 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 68.357 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.0	33.0
279	4.0	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 63.963 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tot Ion:149 Resp: 2552864

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

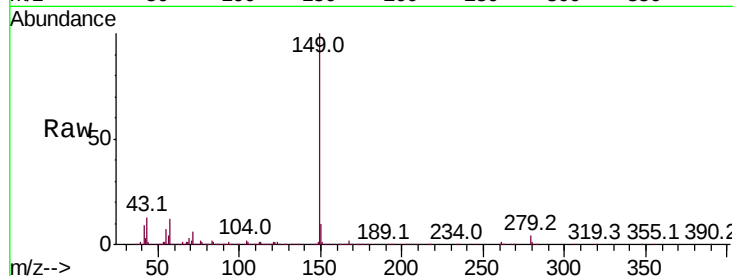
43 12.0 10.1 15.1

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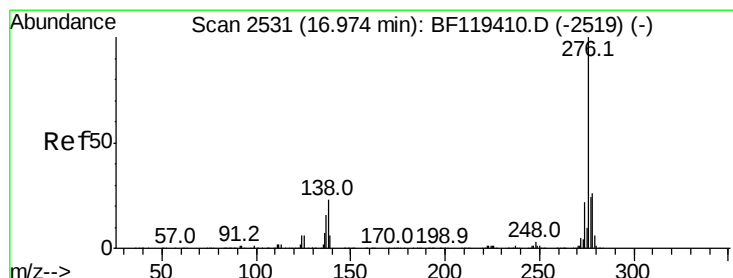
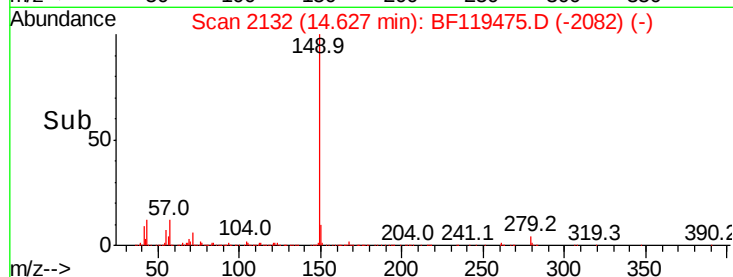
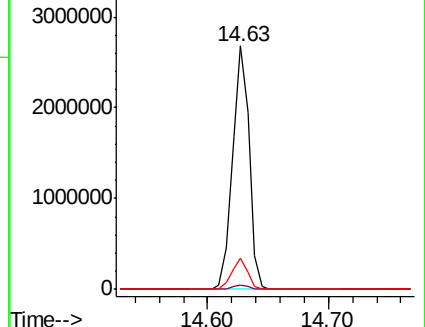
3/23/2020 9:40:47 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 63.097 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

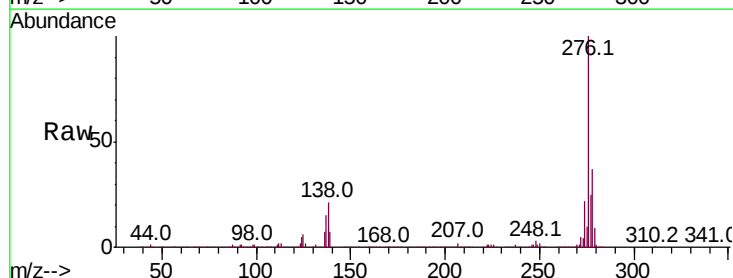
Tgt Ion:276 Resp: 2287269

Ion Ratio Lower Upper

276 100

138 25.1 21.3 31.9

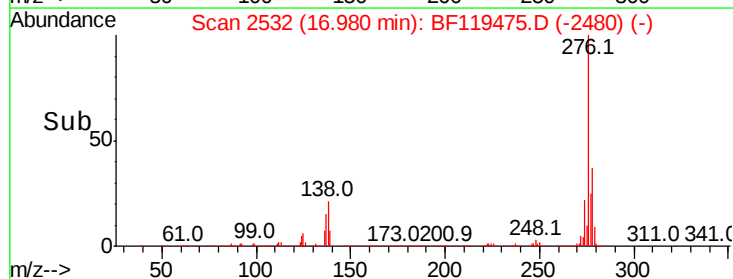
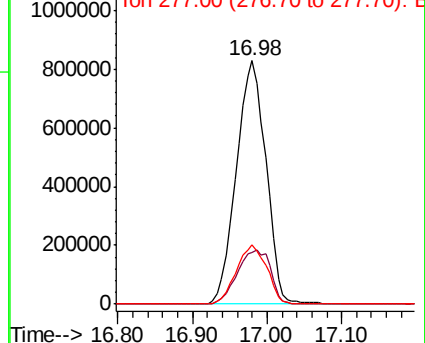
277 25.4 20.2 30.2

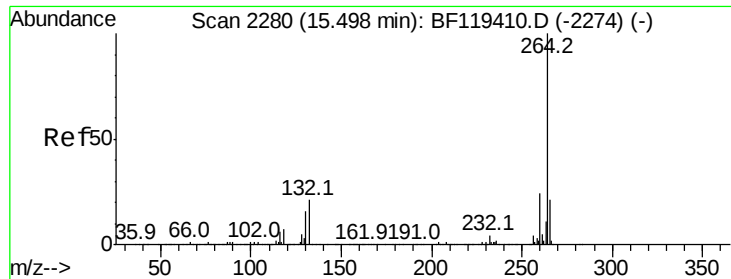


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

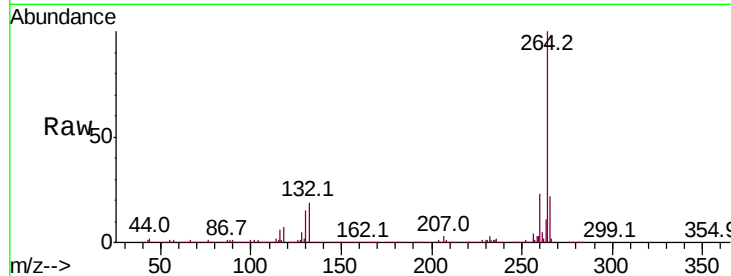
ClientSampleId :

BU-02-031920MS

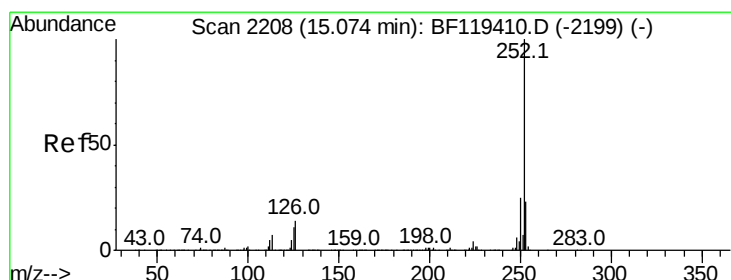
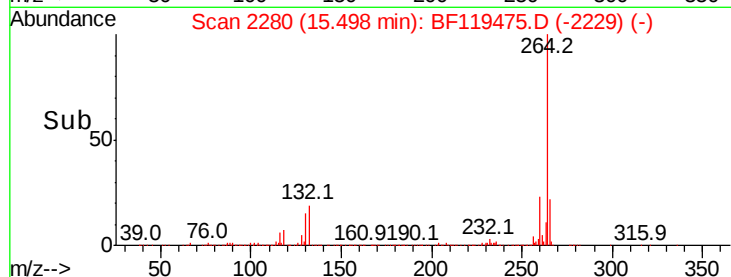
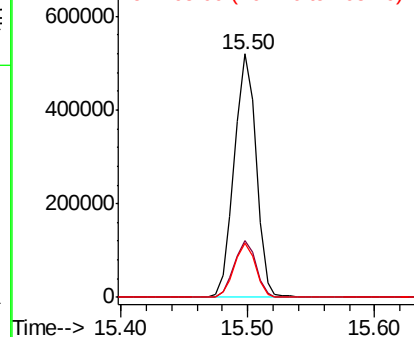
Tot Ion:	264	Resp:	618846
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.4	16.9	25.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 46.733 ng

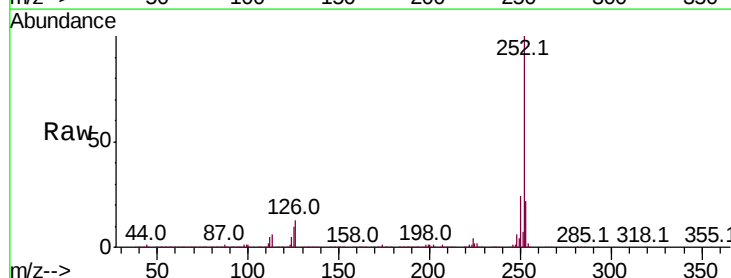
RT: 15.07 min Scan# 2208

Delta R.T. -0.00 min

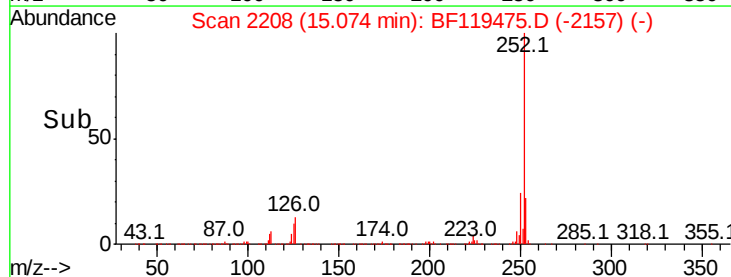
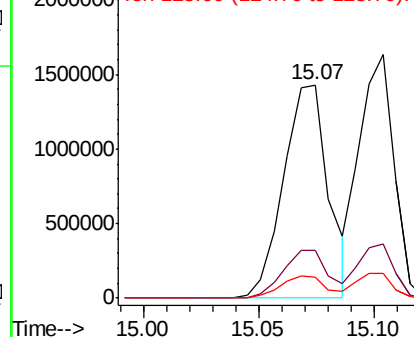
Lab File: BF119475.D

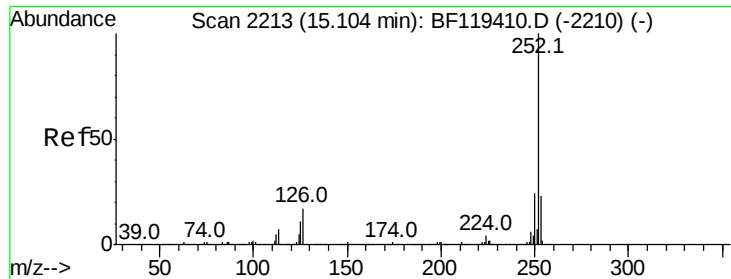
Acq: 20 Mar 2020 16:42

Tgt Ion:	252	Resp:	1931896
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.4
125	9.5	8.8	13.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





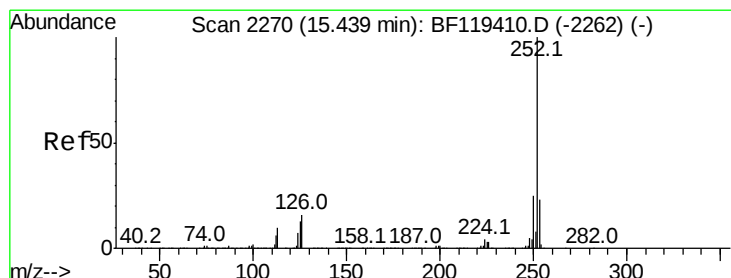
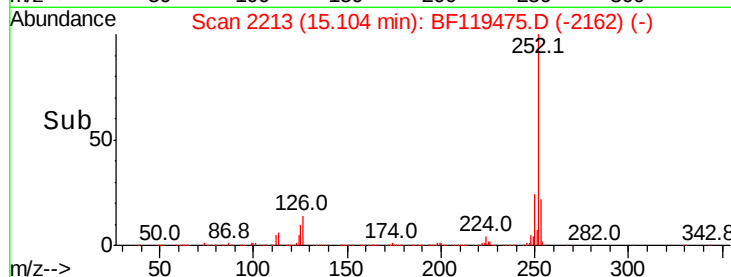
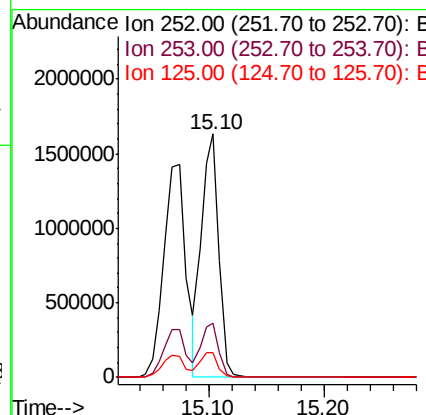
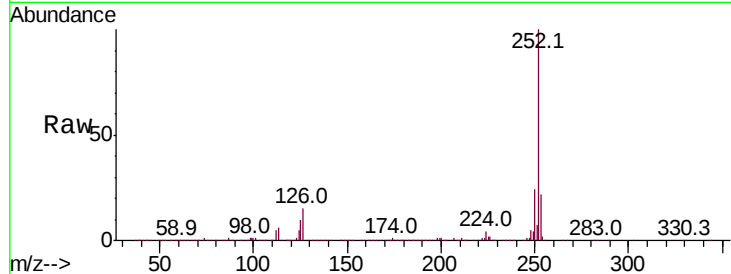
#89
Benzo(k)fluoranthene
Concen: 43.645 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	10.3	9.0	13.4

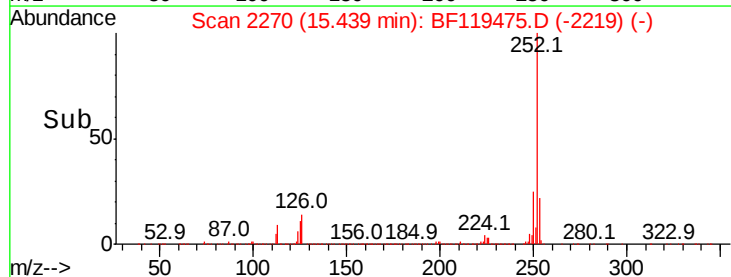
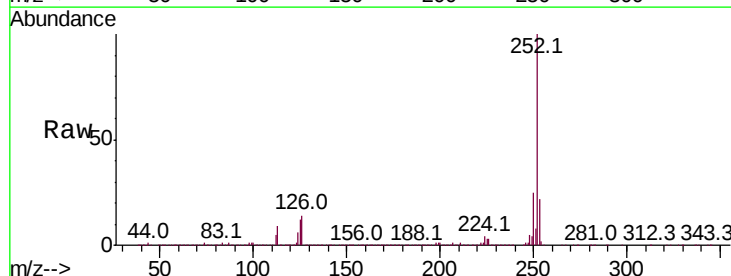
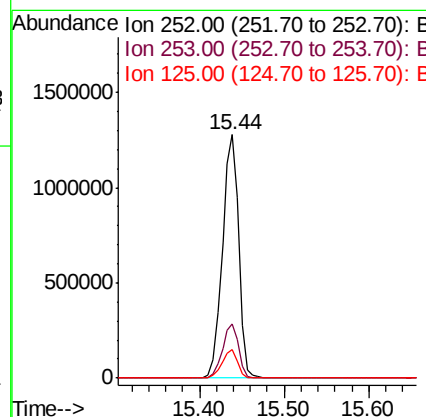
Manual Integrations
APPROVED

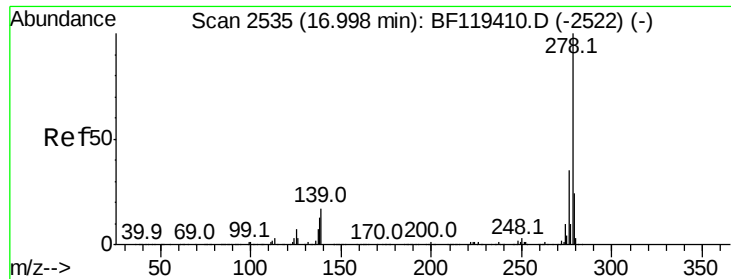
mohammad
3/23/2020 9:40:47 AM



#90
Benzo(a)pyrene
Concen: 46.294 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	11.5	10.2	15.2





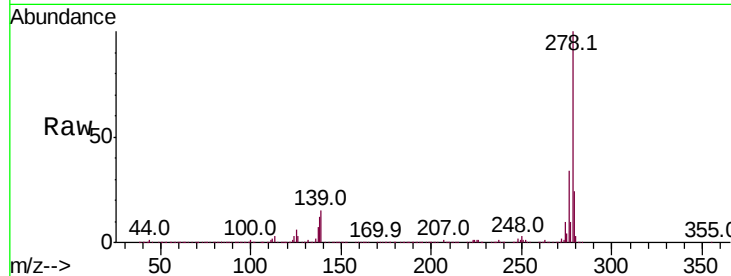
#91
Dibenzo(a,h)anthracene
Concen: 56.903 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.7	20.5
279	24.0	19.2	28.8

Manual Integrations
APPROVED

mohammad
3/23/2020 9:40:47 AM

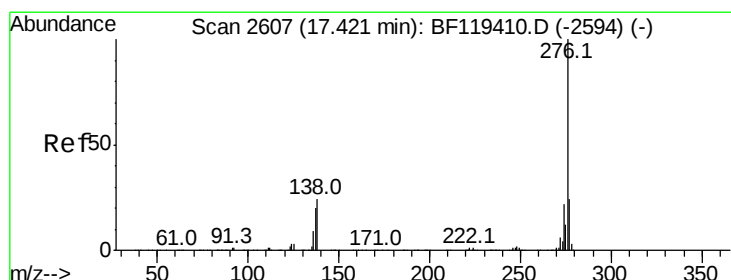
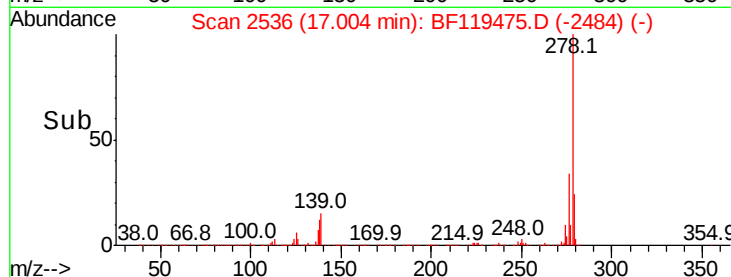
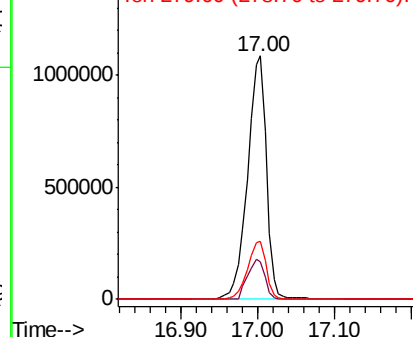


Abundance

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: 60.225 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	21.8	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

