

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119867.D
 Acq On : 9 Apr 2020 11:16
 Operator : MA/SJ
 Sample : L2153-04MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Manual Integrations
 APPROVED

mohammad
 4/10/2020 9:57:32 AM

Quant Time: Apr 09 11:48:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	173574	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	630007	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	245936	20.00	ng	0.01
64) Phenanthrene-d10	11.33	188	334327	20.00	ng	0.04
76) Chrysene-d12	13.96	240	270864	20.00	ng	0.02
87) Perylene-d12	15.39	264	318462	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1677477	167.02	ng	0.02
7) Phenol-d6	6.42	99	1997969	154.38	ng	0.01
23) Nitrobenzene-d5	7.34	82	1281753	105.25	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	415946	138.14	ng	0.03
45) 2-Fluorobiphenyl	9.14	172	2192793	126.59	ng	0.00
79) Terphenyl-d14	12.92	244	1486933	92.37	ng	0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.51	88	180612	40.374	ng	98
3) Pyridine	3.23	79	513526	41.840	ng	96
4) n-Nitrosodimethylamine	3.18	42	316679	50.499	ng	97
6) Aniline	6.43	93	413416	24.338	ng	# 74
8) 2-Chlorophenol	6.56	128	607191	54.107	ng	98
9) Benzaldehyde	6.32	77	295829	44.894	ng	99
10) Phenol	6.43	94	744262	50.691	ng	100
11) bis(2-Chloroethyl)ether	6.51	93	623379	54.988	ng	100
12) 1,3-Dichlorobenzene	6.71	146	609215	49.586	ng	99
13) 1,4-Dichlorobenzene	6.79	146	617927	49.374	ng	99
14) 1,2-Dichlorobenzene	6.94	146	582046	50.464	ng	99
15) Benzyl Alcohol	6.92	79	522204	51.951	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.05	45	1111243	50.373	ng	99
17) 2-Methylphenol	7.03	107	513104	51.234	ng	97
18) Hexachloroethane	7.28	117	234016	50.033	ng	98
19) n-Nitroso-di-n-propylamine	7.20	70	434386	52.196	ng	99
20) 3+4-Methylphenols	7.19	107	603064	49.236	ng	99
22) Acetophenone	7.19	105	813358	55.133	ng	95
24) Nitrobenzene	7.36	77	639701	52.218	ng	98
25) Isophorone	7.60	82	1213947	51.711	ng	99
26) 2-Nitrophenol	7.67	139	321791	52.577	ng	94
27) 2,4-Dimethylphenol	7.72	122	433806	46.996	ng	98
28) bis(2-Chloroethoxy)methane	7.81	93	731766	52.973	ng	99
29) 2,4-Dichlorophenol	7.92	162	492735	52.077	ng	97
30) 1,2,4-Trichlorobenzene	8.00	180	537388	50.126	ng	98
31) Naphthalene	8.08	128	1700835	51.313	ng	100
32) Benzoic acid	7.86	122	421209	51.957	ng	96
33) 4-Chloroaniline	8.13	127	206796	14.331	ng	98
34) Hexachlorobutadiene	8.20	225	320818	49.991	ng	99
35) Caprolactam	8.51	113	157539m	54.431	ng	
36) 4-Chloro-3-methylphenol	8.62	107	523857	51.139	ng	99
37) 2-Methylnaphthalene	8.77	142	1086278	48.339	ng	99
38) 1-Methylnaphthalene	8.87	142	1022886	48.292	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.95	216	475089	61.162	ng	98

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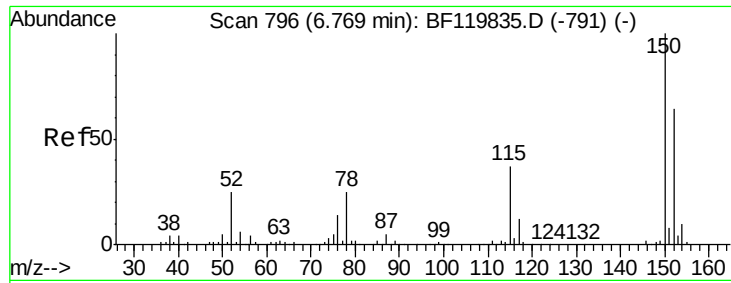
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.93	237	568236	128.647	nq	98
43) 2,4,6-Trichlorophenol	9.06	196	344906	64.301	nq	98
44) 2,4,5-Trichlorophenol	9.10	196	341744	56.567	nq #	91
46) 1,1'-Biphenyl	9.25	154	1230211	59.263	nq	99
47) 2-Chloronaphthalene	9.27	162	953984	59.657	nq	97
48) 2-Nitroaniline	9.36	65	367266	63.376	nq	97
49) Acenaphthylene	9.69	152	1308356	53.799	nq	97
50) Dimethylphthalate	9.55	163	1304875	68.595	nq #	99
51) 2,6-Dinitrotoluene	9.61	165	253940	60.960	nq	87
52) Acenaphthene	9.86	154	862362	53.158	nq	99
53) 3-Nitroaniline	9.77	138	164097	34.492	nq #	94
54) 2,4-Dinitrophenol	9.89	184	183486	73.571	nq #	78
55) Dibenzofuran	10.04	168	1113112	50.001	nq	100
56) 4-Nitrophenol	9.95	139	355677	100.477	nq #	70
57) 2,4-Dinitrotoluene	10.02	165	266860	48.623	nq #	96
58) Fluorene	10.39	166	788388	44.282	nq	95
59) 2,3,4,6-Tetrachlorophenol	10.16	232	214547	46.433	nq #	93
60) Diethylphthalate	10.26	149	918489	46.586	nq	93
61) 4-Chlorophenyl-phenylether	10.37	204	371207	40.680	nq #	86
62) 4-Nitroaniline	10.39	138	144891	31.956	nq	85
63) Azobenzene	10.54	77	823913	46.630	nq	90
65) 4,6-Dinitro-2-methylphenol	10.43	198	90755	41.204	nq #	1
66) n-Nitrosodiphenylamine	10.49	169	709792	63.837	nq	98
67) 4-Bromophenyl-phenylether	10.87	248	213334	51.311	nq #	91
68) Hexachlorobenzene	10.95	284	231264	54.830	nq #	87
69) Atrazine	11.03	200	214012	69.179	nq	78
70) Pentachlorophenol	11.14	266	231794	95.364	nq	98
71) Phenanthrene	11.36	178	913625	51.347	nq #	90
72) Anthracene	11.42	178	917651	50.485	nq #	95
73) Carbazole	11.56	167	862492	50.176	nq #	91
74) Di-n-butylphthalate	11.90	149	1154252	51.080	nq	97
75) Fluoranthene	12.55	202	968371	50.440	nq	96
77) Benzidine	12.66	184	118785	12.973	nq #	45
78) Pyrene	12.78	202	980024	42.919	nq	98
80) Butylbenzylphthalate	13.39	149	490810	44.297	nq	94
81) Benzo(a)anthracene	13.96	228	953994	53.538	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	157074	23.625	nq #	95
83) Chrysene	13.99	228	911268	50.330	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	746623	49.760	nq	98
85) Di-n-octyl phthalate	14.54	149	1327017	51.942	nq #	92
86) Indeno(1,2,3-cd)pyrene	16.81	276	1262009	79.073	nq	99
88) Benzo(b)fluoranthene	14.98	252	1062621	46.384	nq	97
89) Benzo(k)fluoranthene	15.01	252	1016888	51.445	nq	98
90) Benzo(a)pyrene	15.33	252	990106	51.402	nq	99
91) Dibenzo(a,h)anthracene	16.83	278	1074350	62.966	nq	98
92) Benzo(g,h,i)perylene	17.24	276	1077175	63.957	nq	100

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



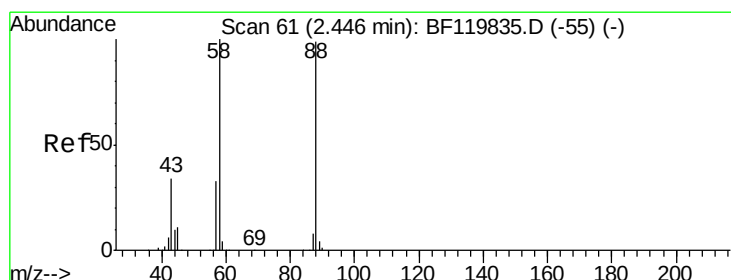
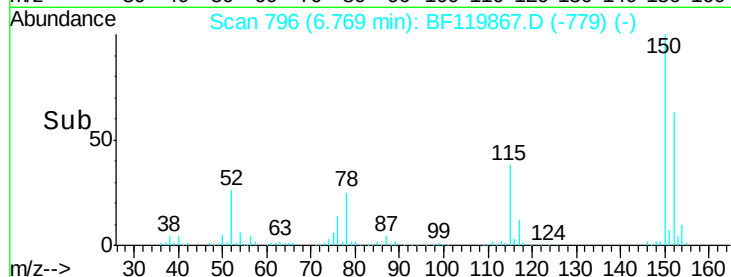
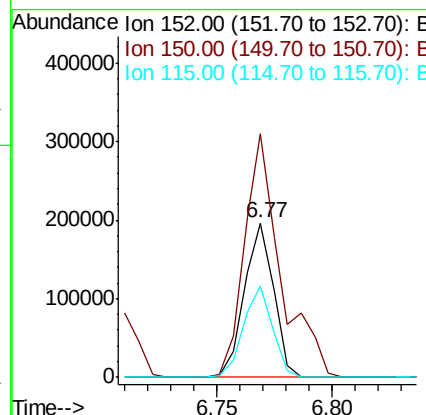
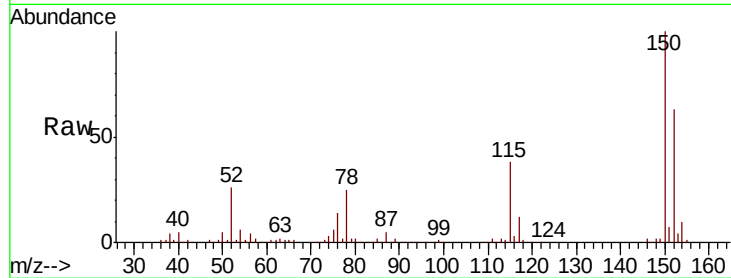
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.8	187.2
115	59.5	46.5	69.7

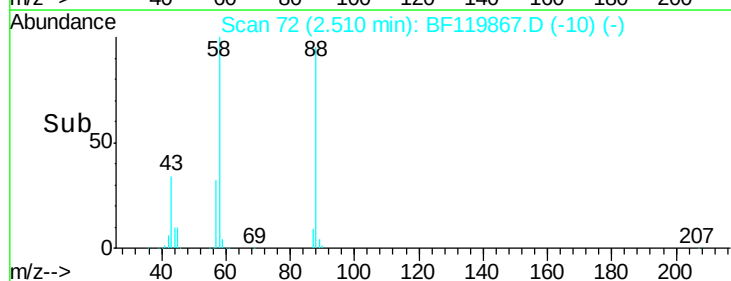
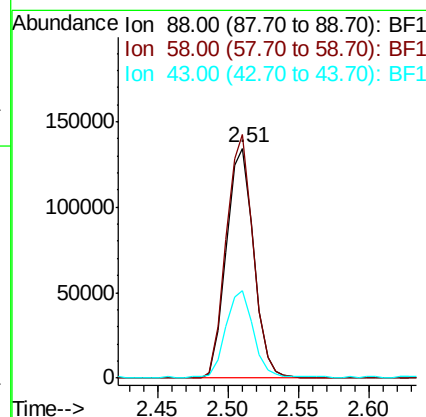
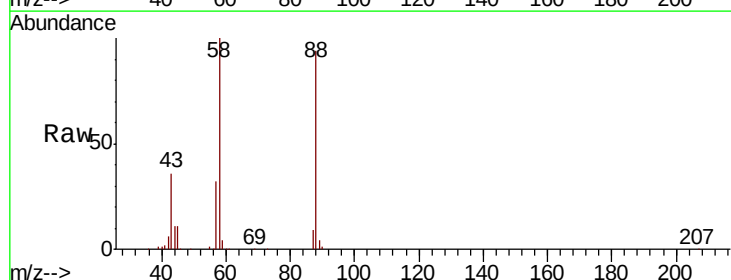
Manual Integrations
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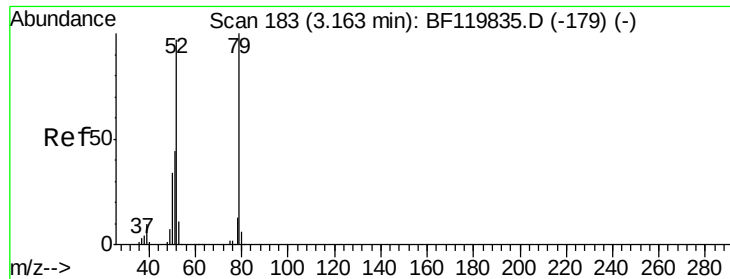
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#2
 1,4-Dioxane
 Concen: 40.374 ng
 RT: 2.51 min Scan# 72
 Delta R.T. 0.06 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	104.6	82.6	123.8
43	37.8	28.6	42.8





#3

Pvridine

Concen: 41.840 ng

RT: 3.23 min Scan# 195

Delta R.T. 0.07 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

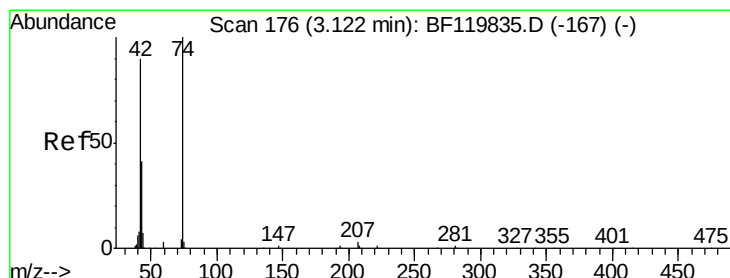
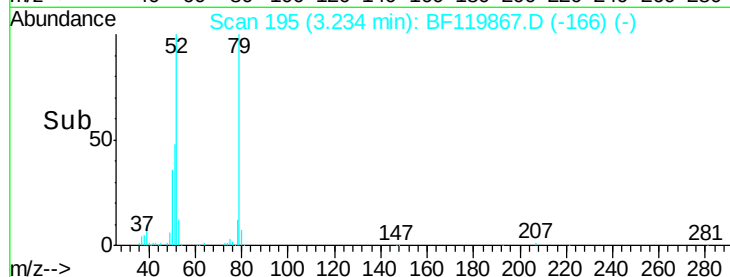
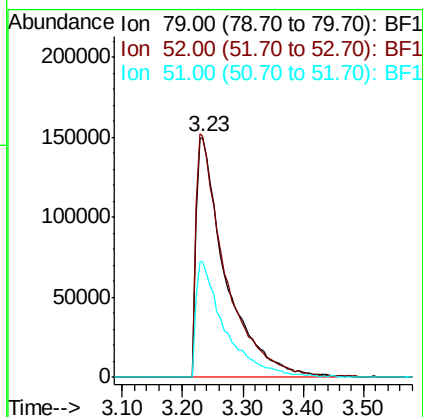
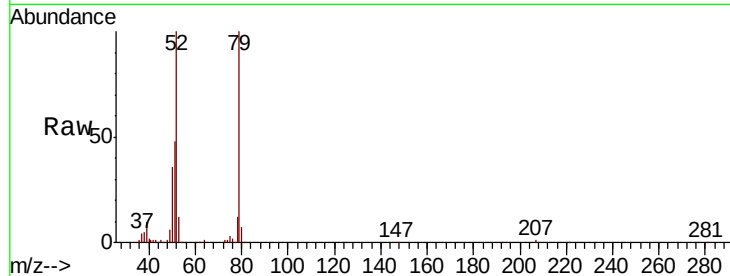
ClientSampleId :

72-11991MSD

Tot Ion:	79	Resp:	513526
Ion Ratio	Lower	Upper	
79	100		
52	100.2	77.4	116.0
51	48.0	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 50.499 ng

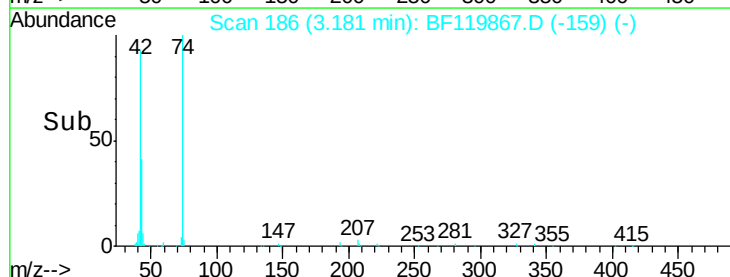
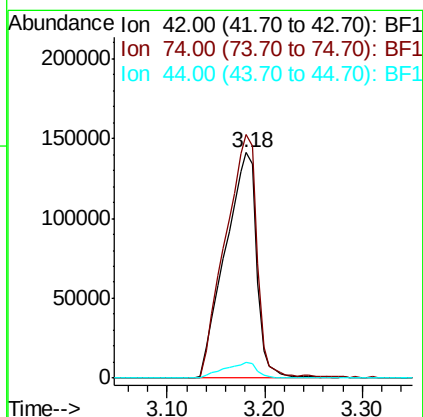
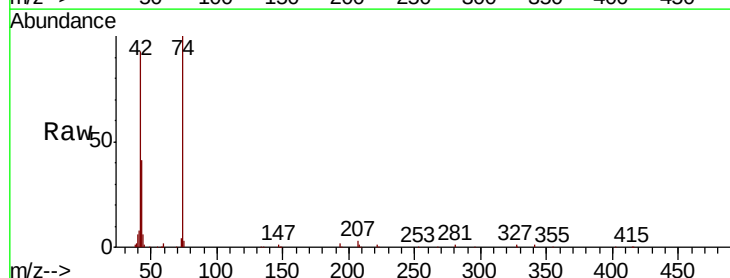
RT: 3.18 min Scan# 186

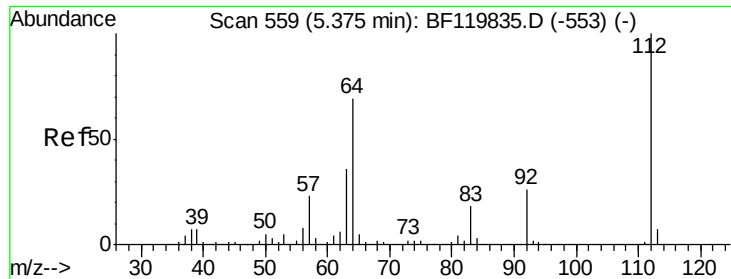
Delta R.T. 0.06 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:	42	Resp:	316679
Ion Ratio	Lower	Upper	
42	100		
74	108.0	89.0	133.4
44	7.0	6.2	9.4





#5

2-Fluorophenol

Concen: 167.017 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

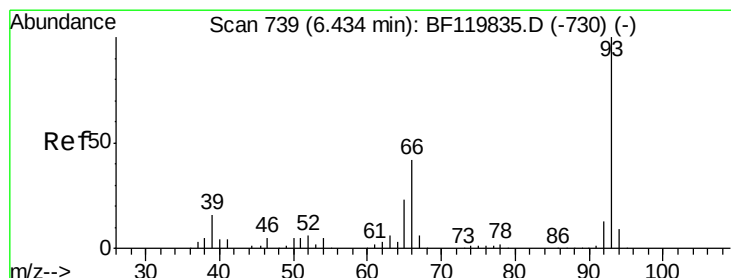
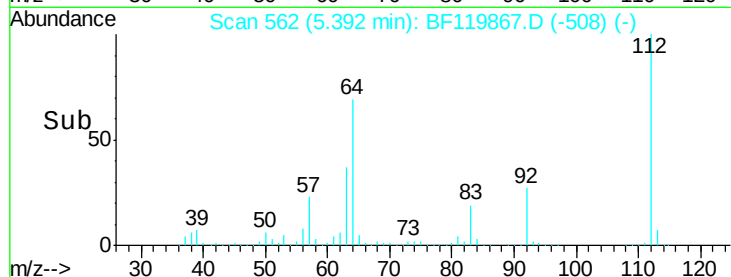
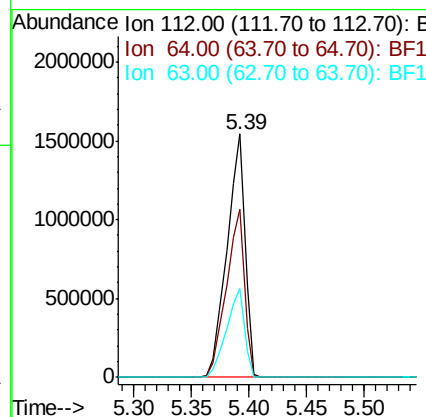
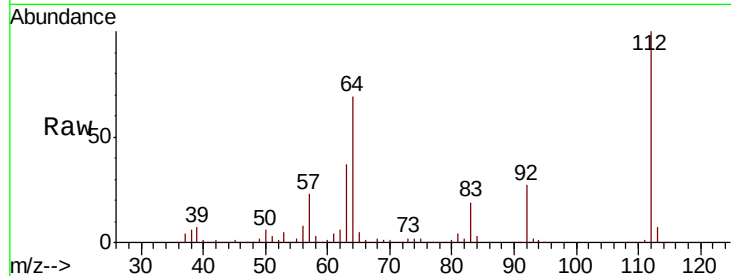
ClientSampleId :

72-11991MSD

Tot Ion:	112	Resp:	1677477
Ion	Ratio	Lower	Upper
112	100		
64	69.3	55.5	83.3
63	36.5	29.1	43.7

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#6

Aniline

Concen: 24.338 ng

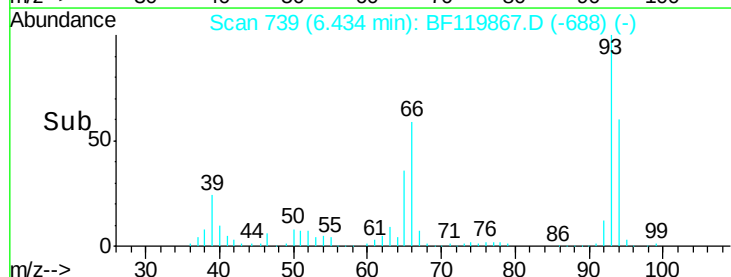
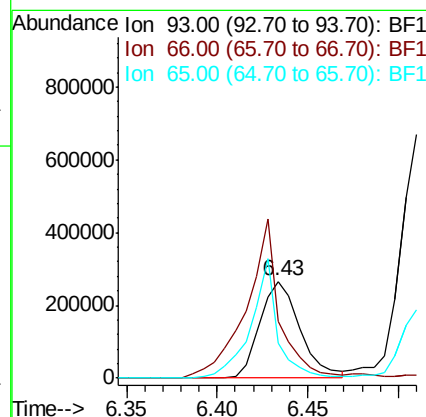
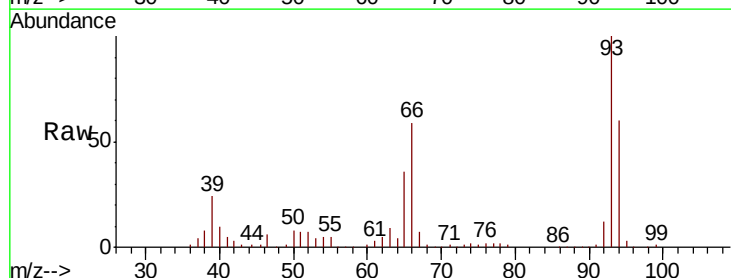
RT: 6.43 min Scan# 739

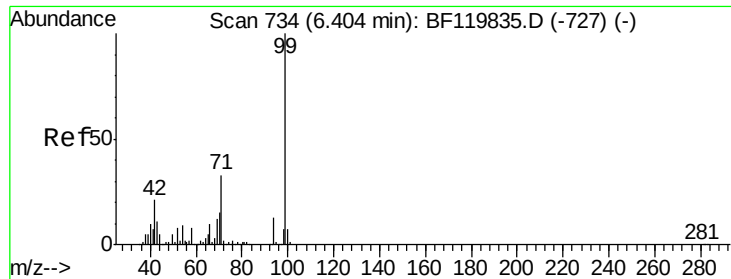
Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:	93	Resp:	413416
Ion	Ratio	Lower	Upper
93	100		
66	58.9	34.2	51.2#
65	36.2	18.3	27.5#





#7

Phenol-d6

Concen: 154.381 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion: 99 Resp: 1997969

Ion Ratio Lower Upper

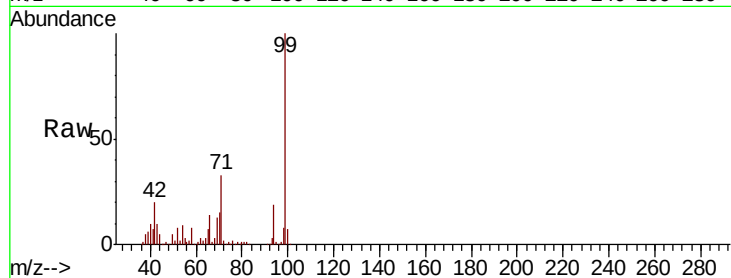
99 100

42 20.4 16.9 25.3

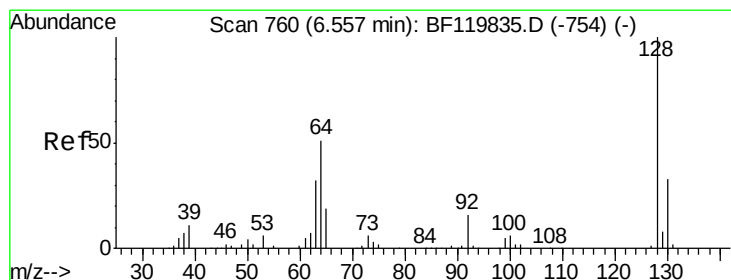
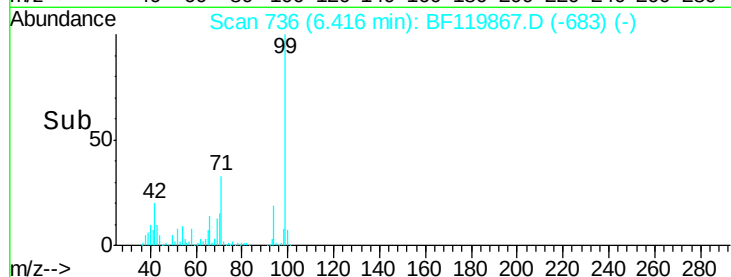
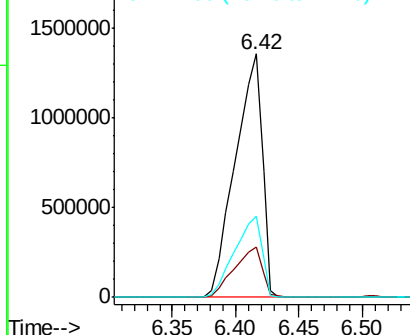
71 33.4 26.3 39.5

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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: 54.107 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

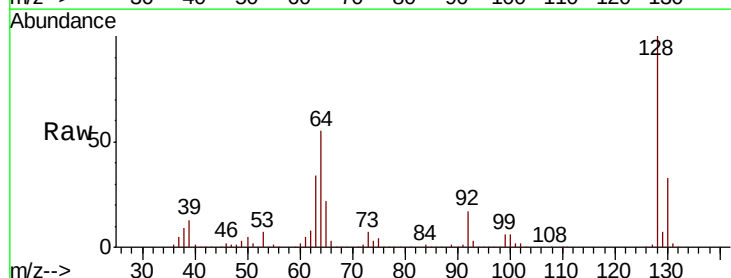
Tgt Ion:128 Resp: 607191

Ion Ratio Lower Upper

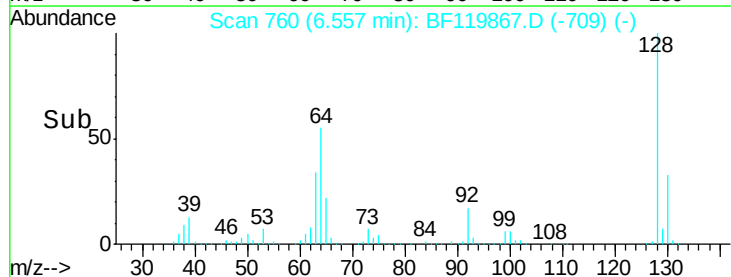
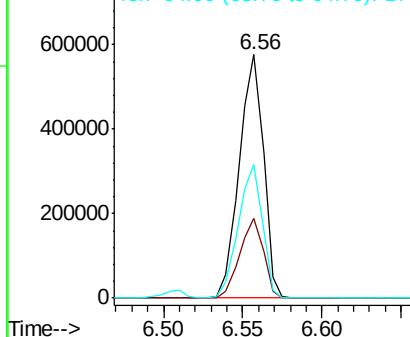
128 100

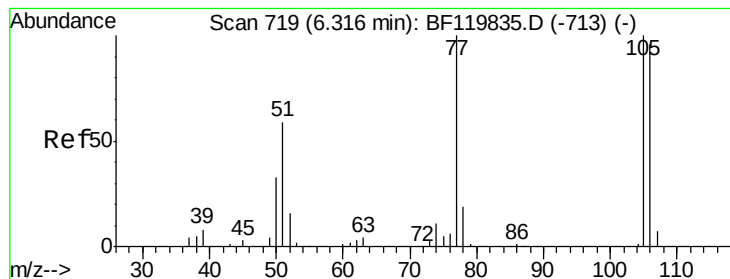
130 32.5 12.6 52.6

64 54.7 32.0 72.0



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: 44.894 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion: 77 Resp: 295829

Ion Ratio Lower Upper

77 100

105 100.6 79.9 119.9

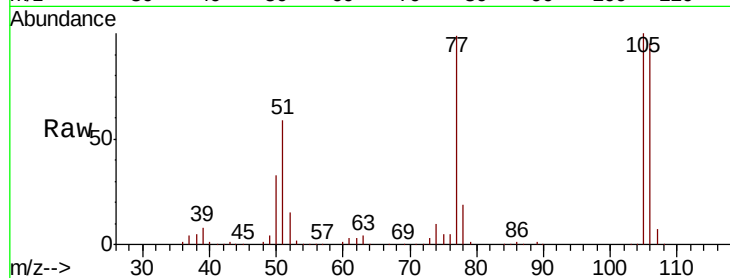
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Manual Integrations

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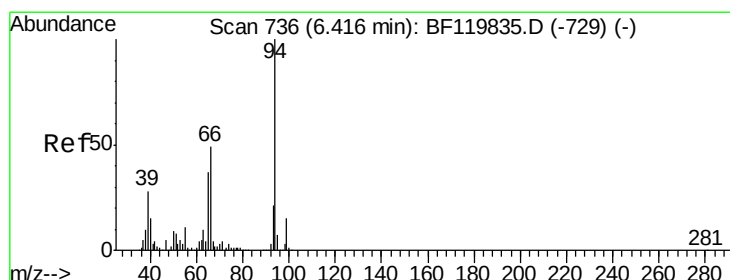
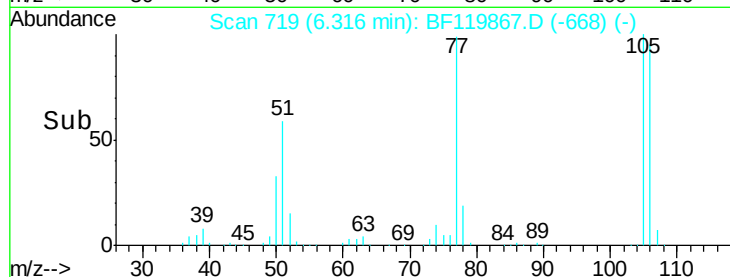
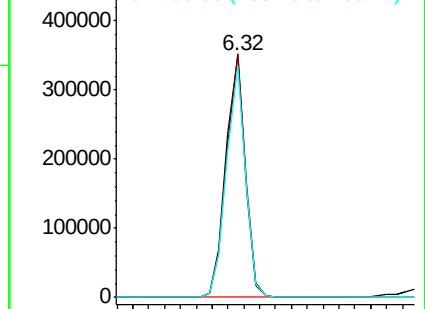
4/10/2020 9:57:32 AM



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: 50.691 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

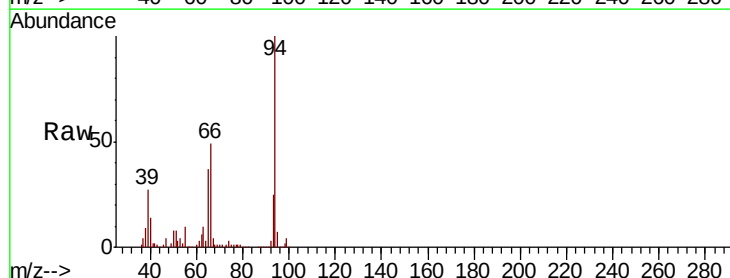
Tgt Ion: 94 Resp: 744262

Ion Ratio Lower Upper

94 100

65 36.7 16.6 56.6

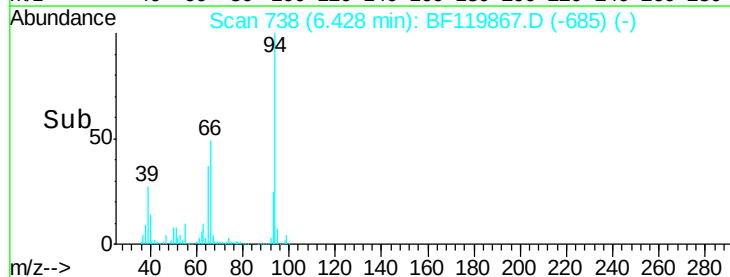
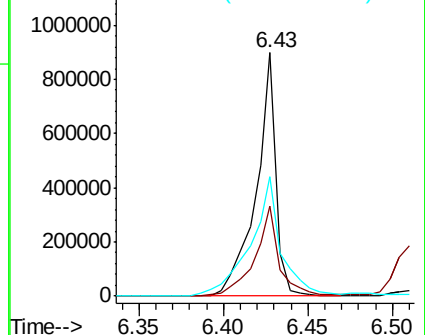
66 48.8 29.3 69.3

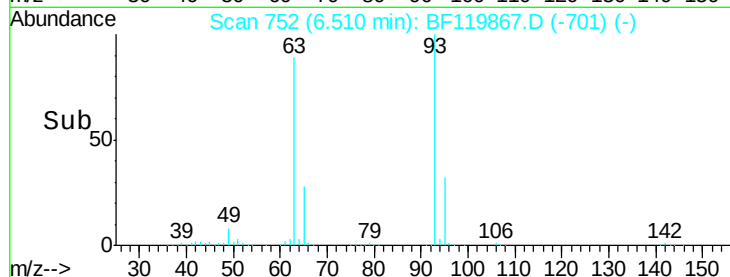
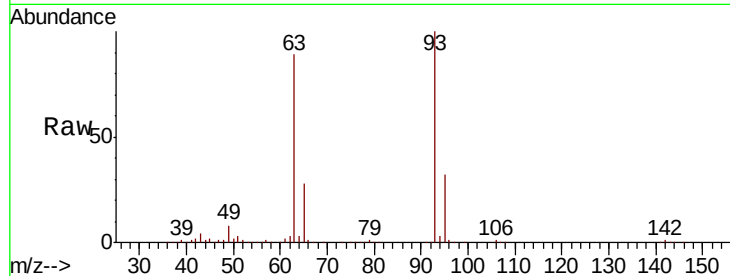
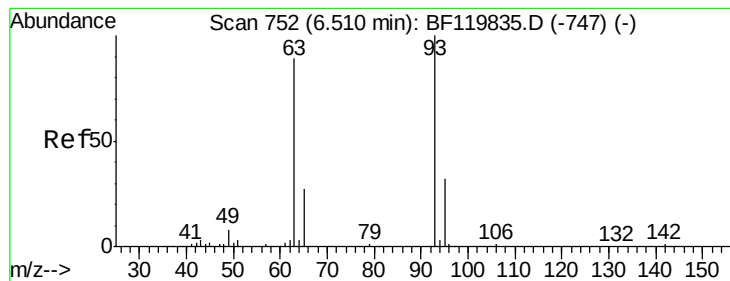


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





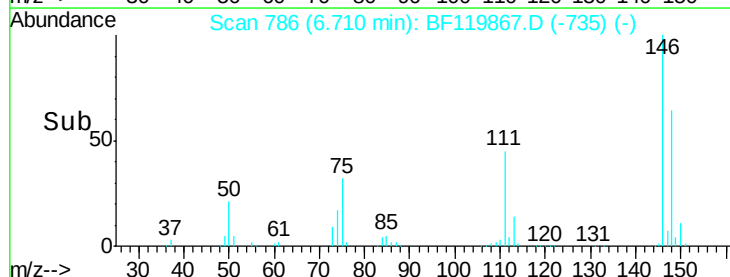
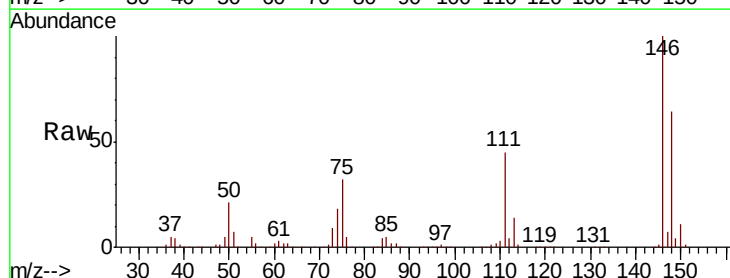
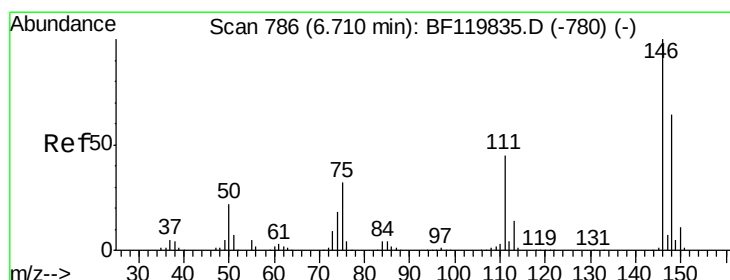
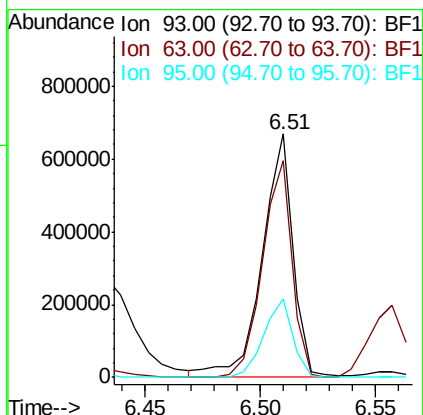
#11
bis(2-Chloroethyl)ether
Concen: 54.988 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.1	69.1	109.1
95	32.4	12.3	52.3

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

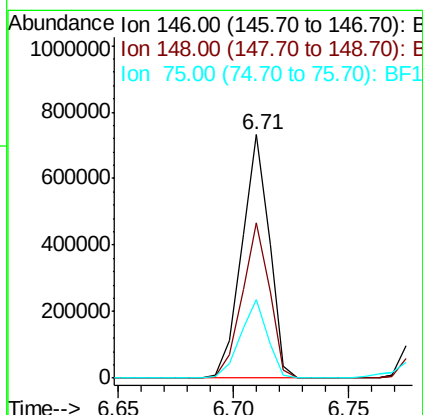
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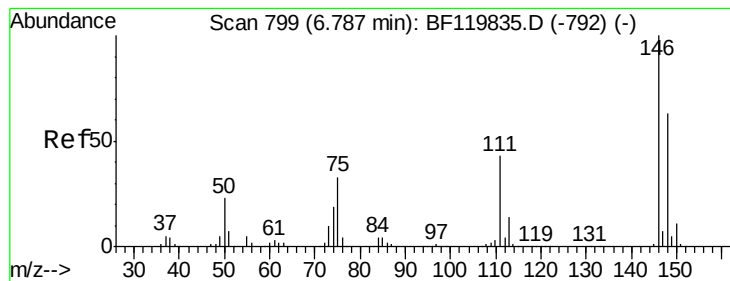
mohammad
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#12
1,3-Dichlorobenzene
Concen: 49.586 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	32.3	25.3	37.9





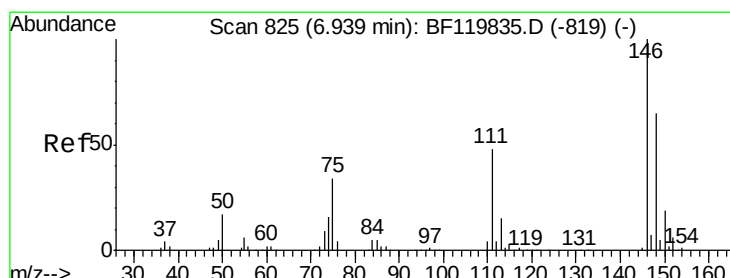
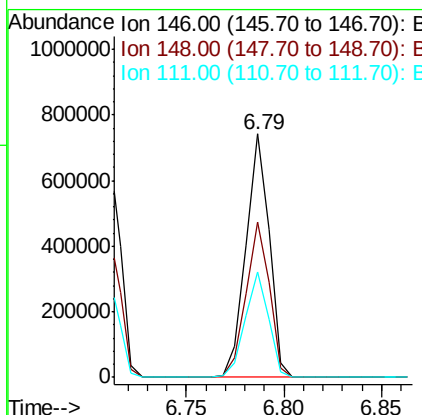
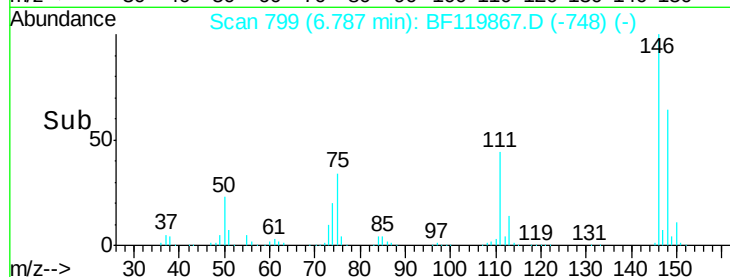
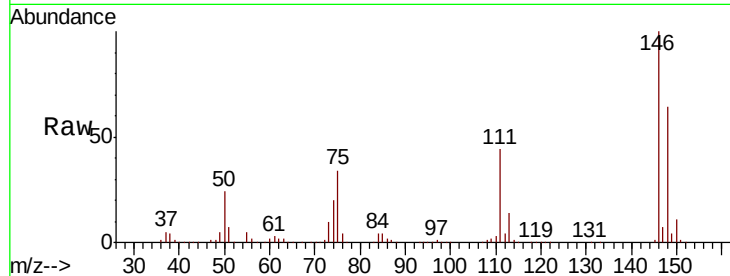
#13
 1,4-Dichlorobenzene
 Concen: 49.374 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	43.5	34.7	52.1

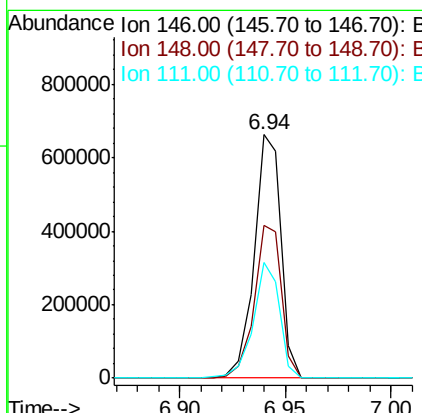
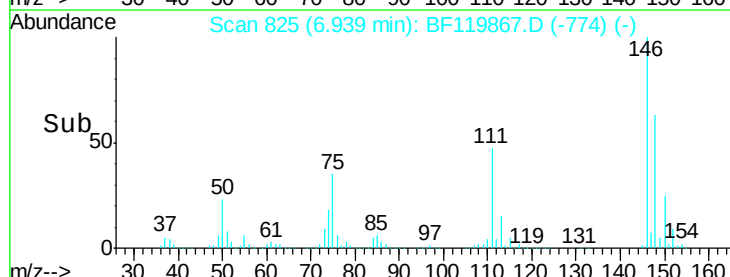
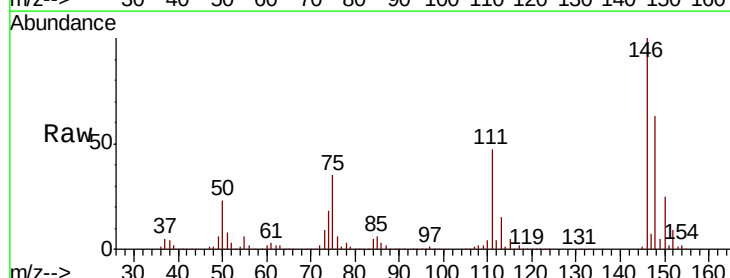
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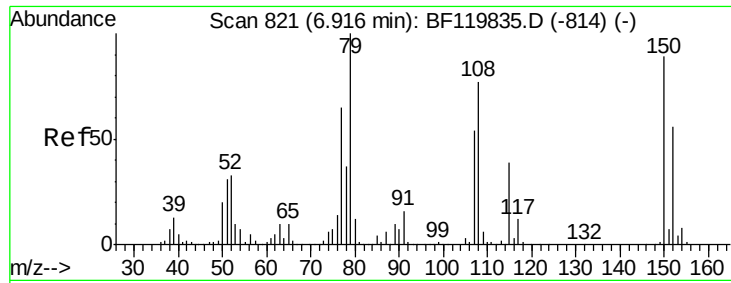
mohammad
 4/10/2020 9:57:32 AM



#14
 1,2-Dichlorobenzene
 Concen: 50.464 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.8	77.8
111	47.4	38.0	57.0





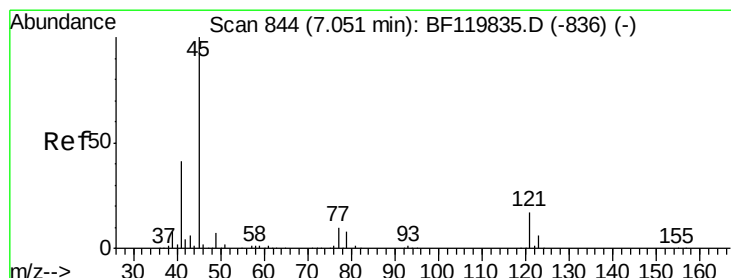
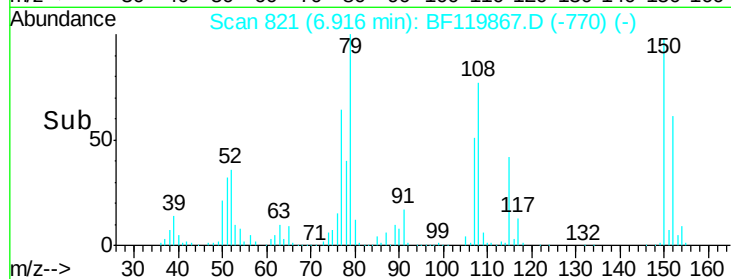
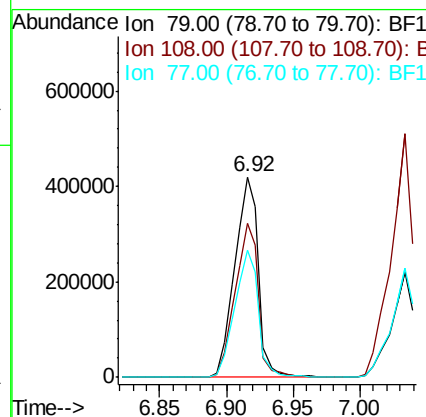
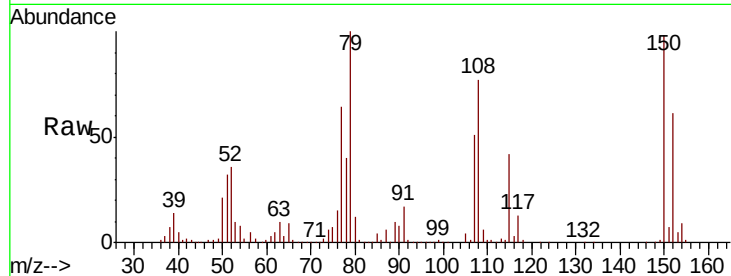
#15
Benzyl Alcohol
Concen: 51.951 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	76.9	62.0	93.0
77	63.8	51.8	77.6

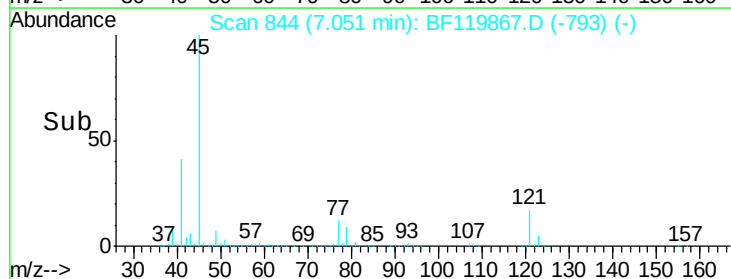
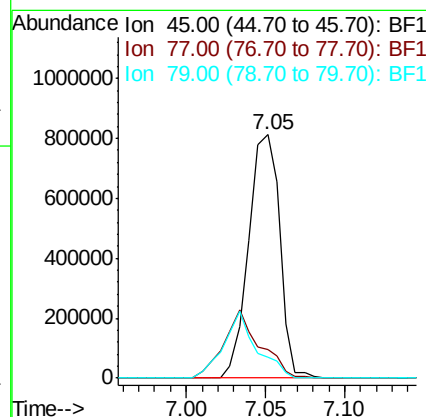
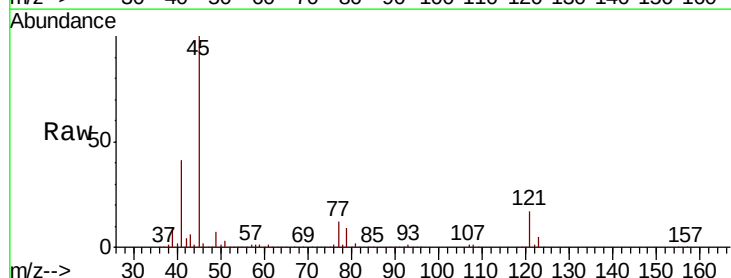
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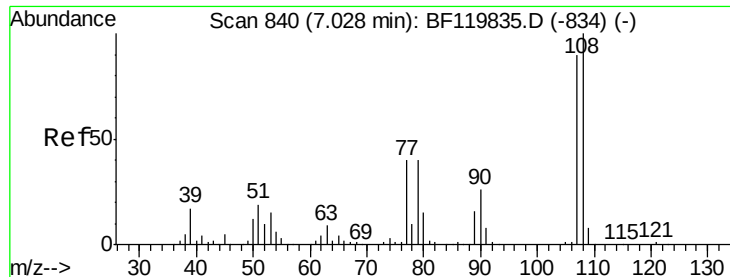
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.373 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	30.7
79	8.8	0.0	28.6





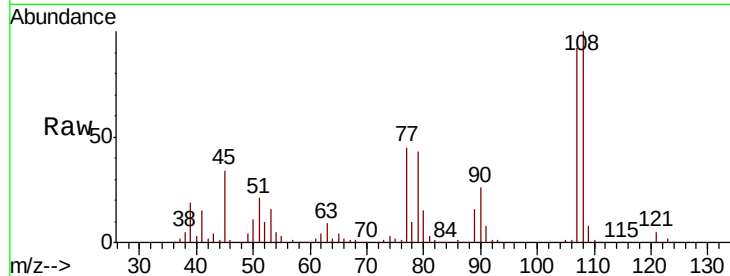
#17
2-Methylphenol
Concen: 51.234 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:	107	Resp:	513104
Ion Ratio	Lower	Upper	
107	100		
108	108.7	88.8	133.2
77	49.0	36.0	54.0
79	47.2	35.7	53.5

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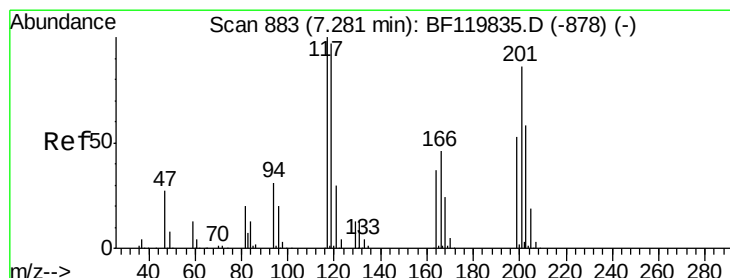
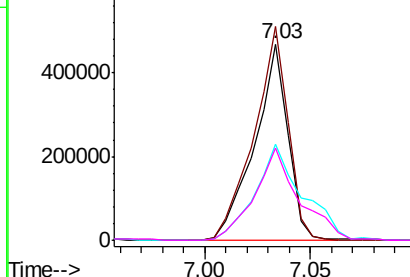
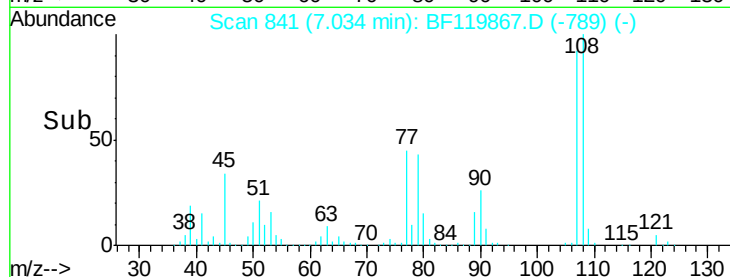
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

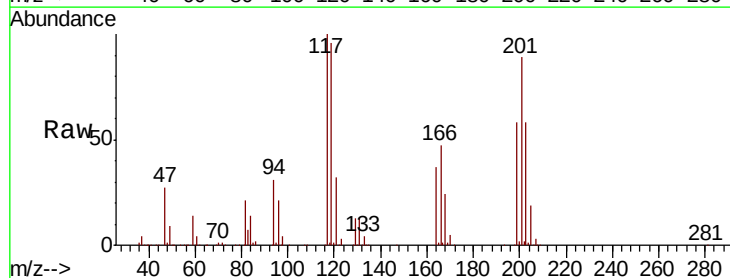
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 50.033 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:	117	Resp:	234016
Ion Ratio	Lower	Upper	
117	100		
119	96.4	77.4	116.0
201	89.3	68.4	102.6

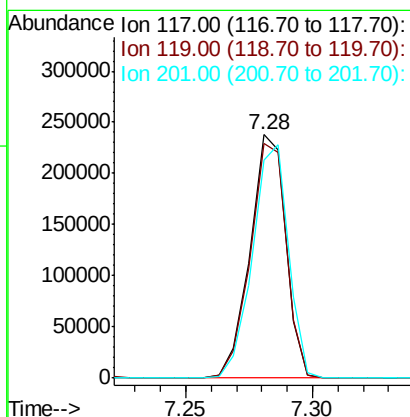
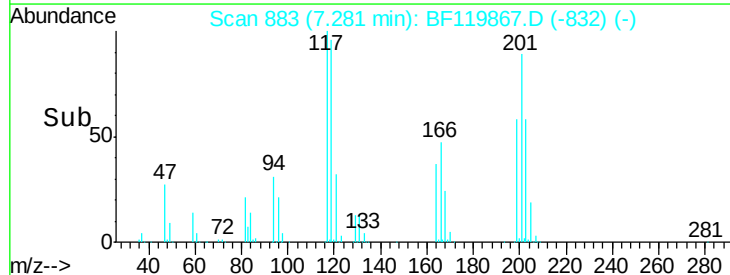


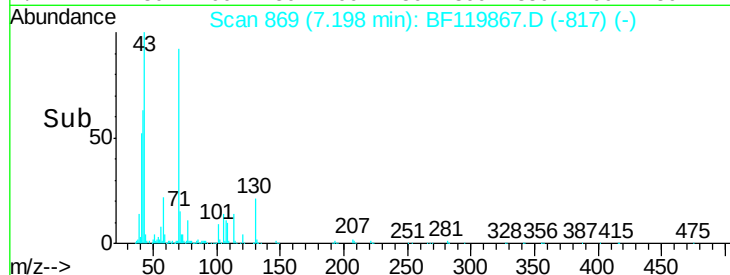
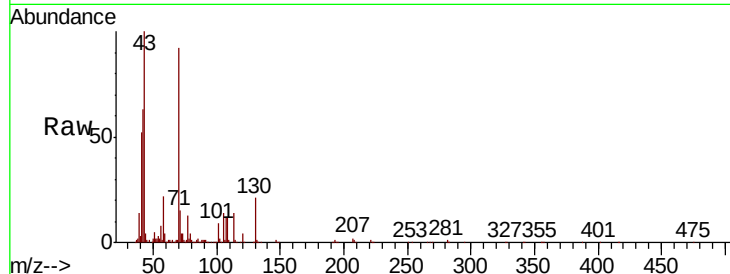
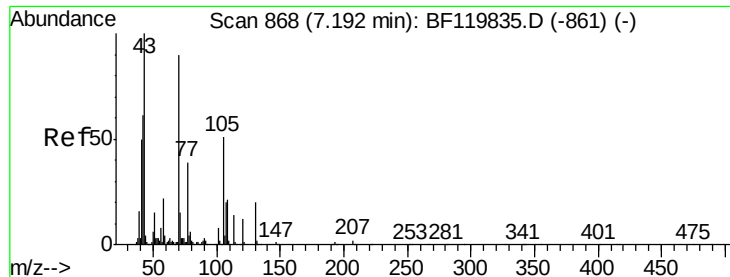
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





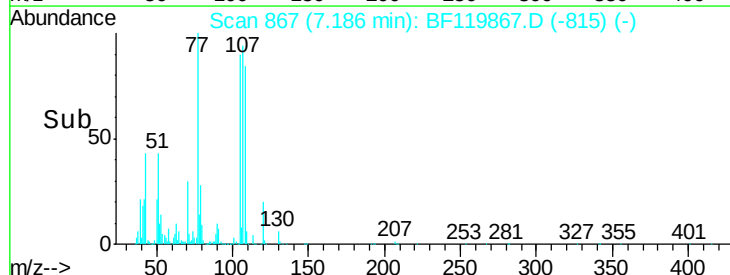
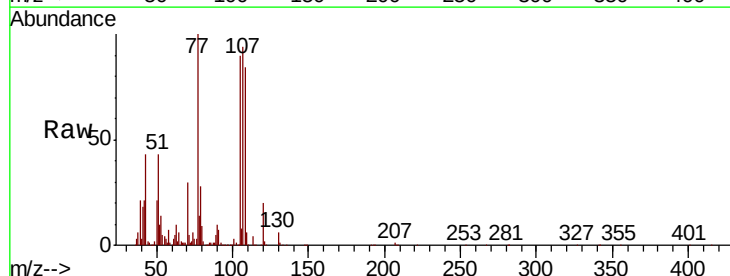
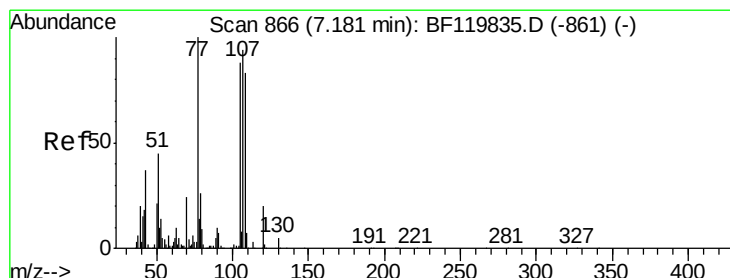
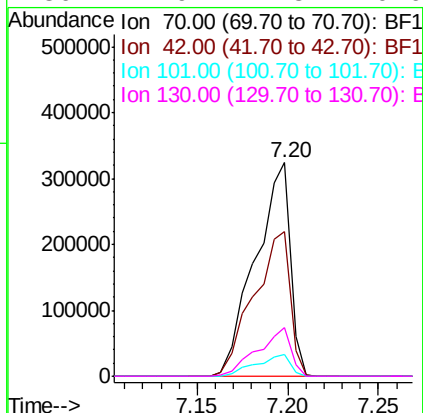
#19
n-Nitroso-di-n-propylamine
Concen: 52.196 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.9	54.2	81.4
101	10.0	7.4	11.2
130	22.9	17.8	26.6

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

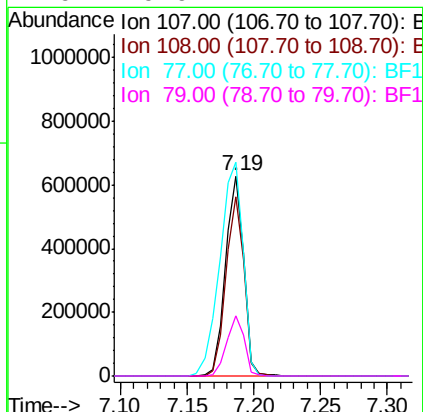
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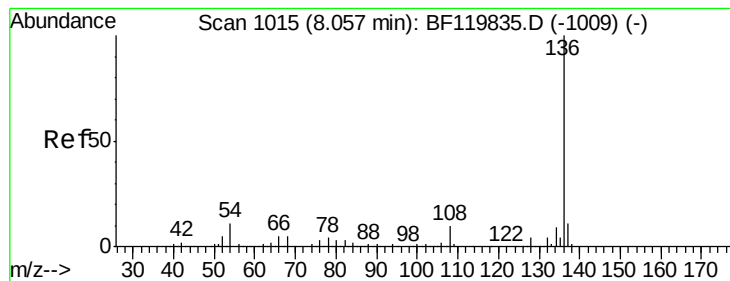
mohammad
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#20
3+4-Methylphenols
Concen: 49.236 ng
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.2	108.2
77	106.9	86.6	126.6
79	29.9	7.7	47.7





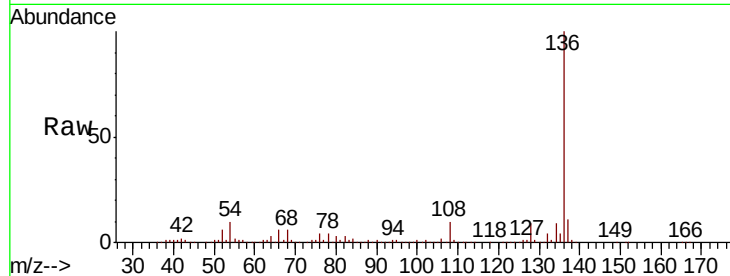
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		630007		
137	10.8	8.7	13.1		
54	10.5	8.5	12.7		
68	5.6	3.9	5.9		

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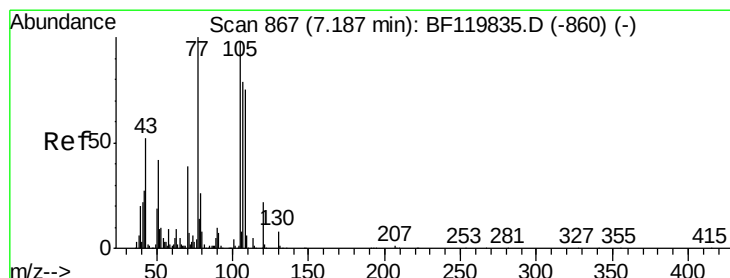
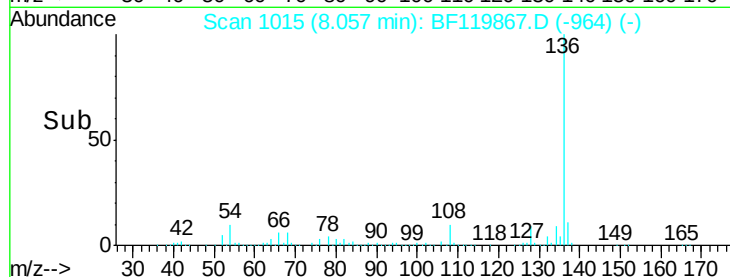
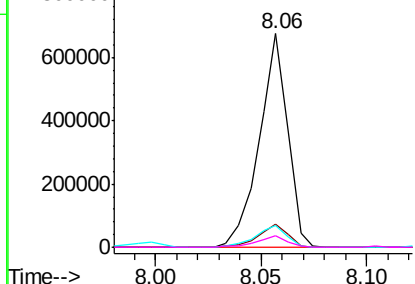
Abundance

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: 55.133 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		813358		
71	5.7	5.6	8.4		
51	47.5	33.9	50.9		
120	22.3	17.8	26.8		

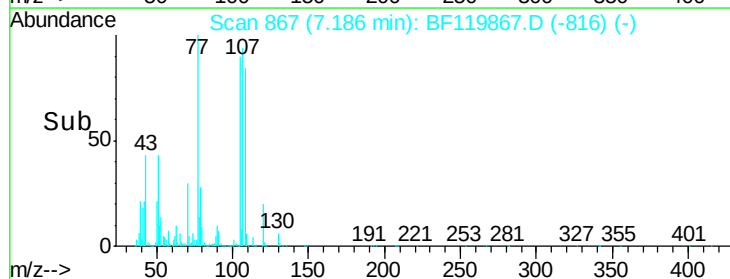
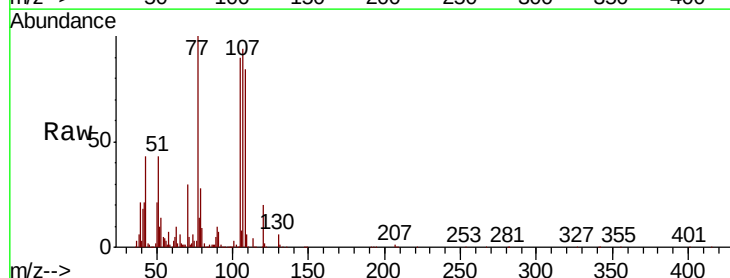
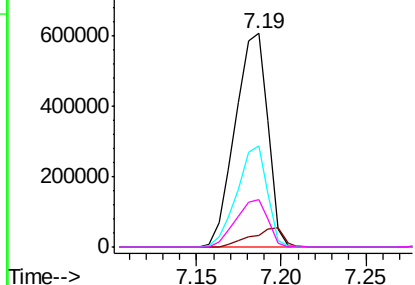
Abundance

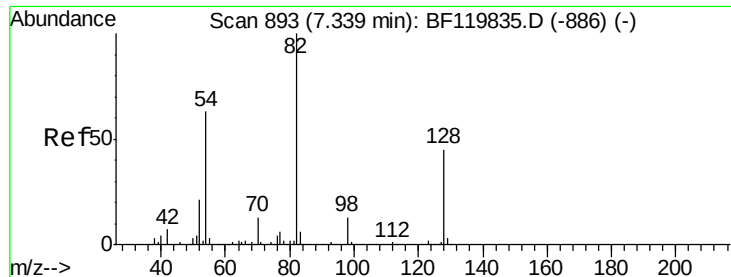
Ion 105.00 (104.70 to 105.70): E

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





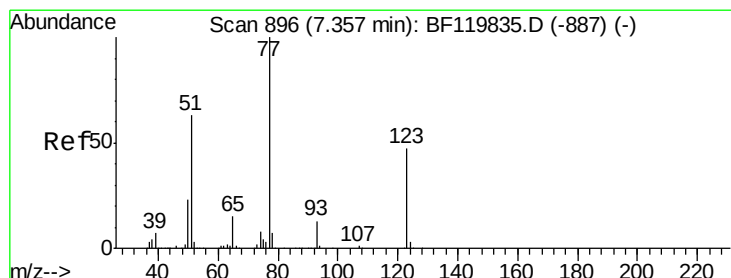
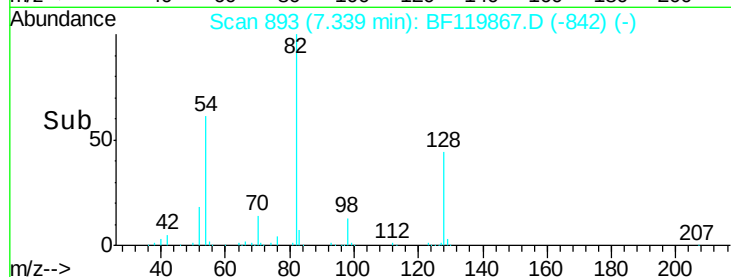
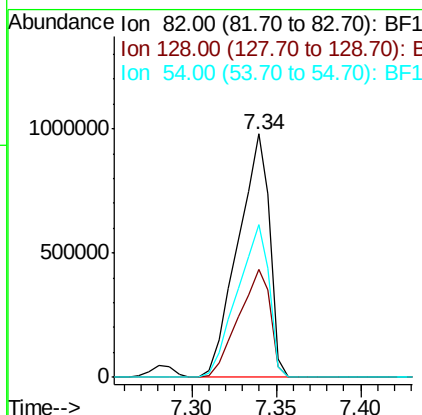
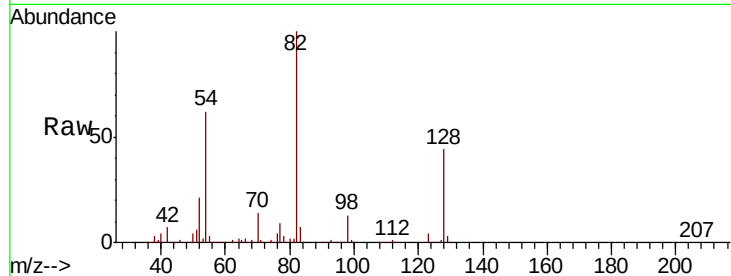
#23
 Nitrobenzene-d5
 Concen: 105.252 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.2	54.4
54	62.5	50.4	75.6

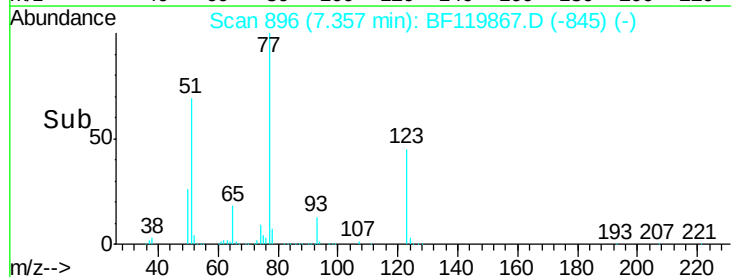
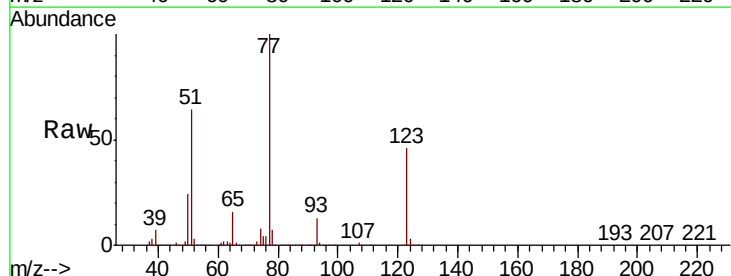
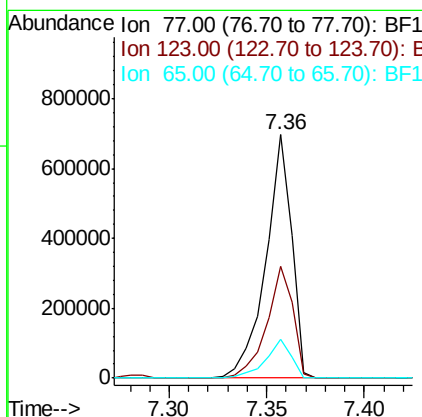
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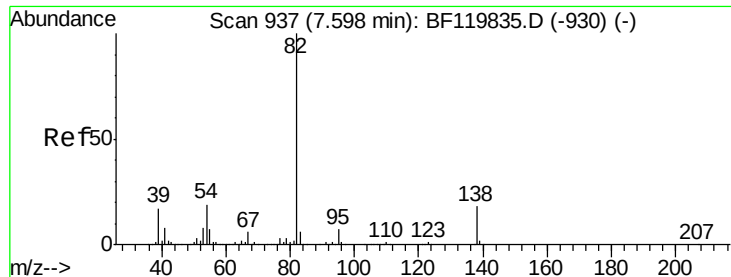
mohammad
 4/10/2020 9:57:32 AM



#24
 Nitrobenzene
 Concen: 52.218 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.7	37.8	56.8
65	15.8	12.2	18.2





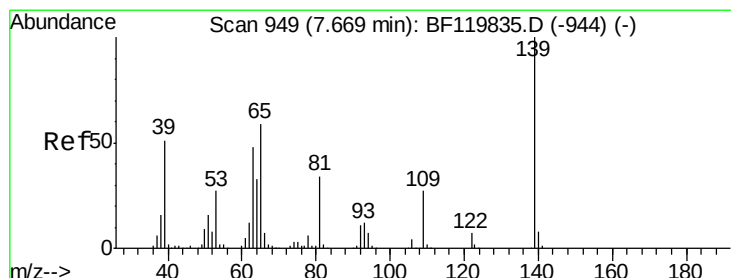
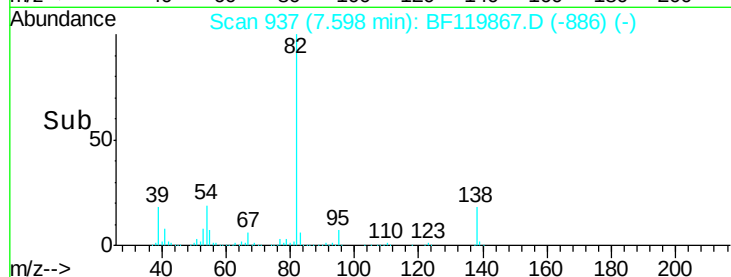
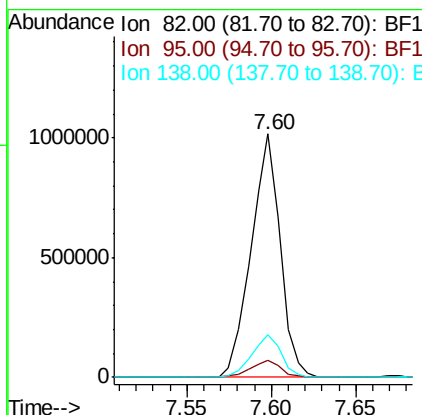
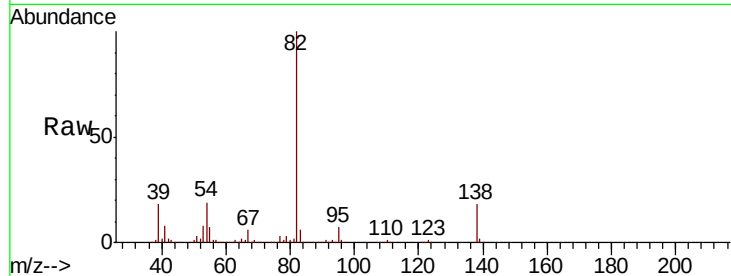
#25
Isophorone
Concen: 51.711 ng
RT: 7.60 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	17.7	14.5	21.7

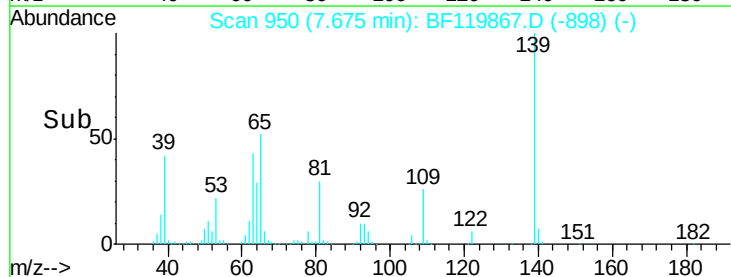
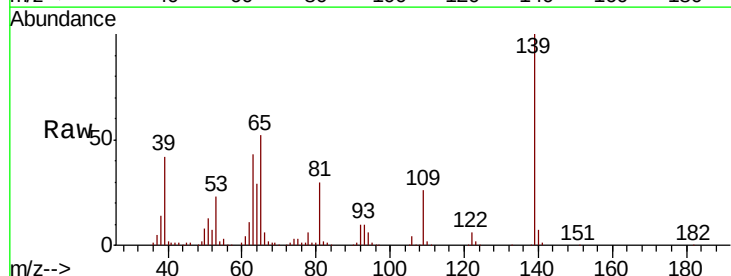
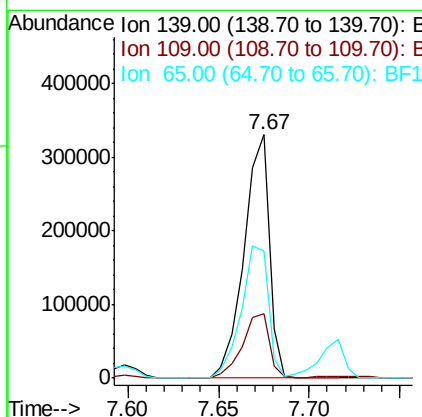
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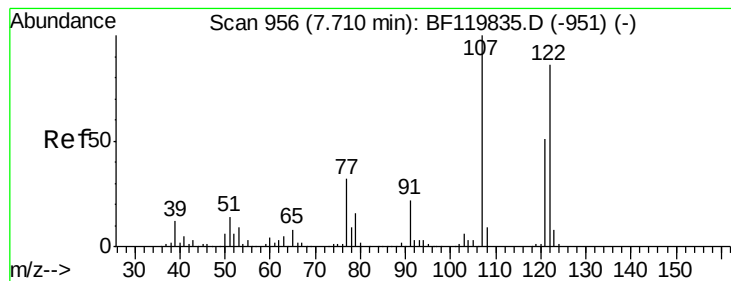
mohammad
4/10/2020 9:57:32 AM



#26
2-Nitrophenol
Concen: 52.577 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	26.4	21.8	32.6
65	52.3	47.0	70.4





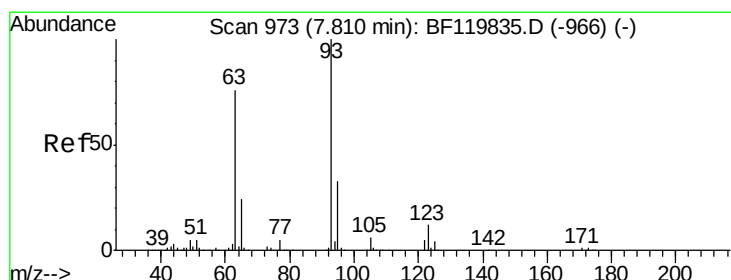
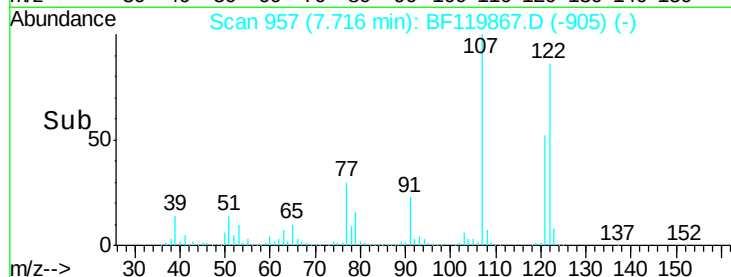
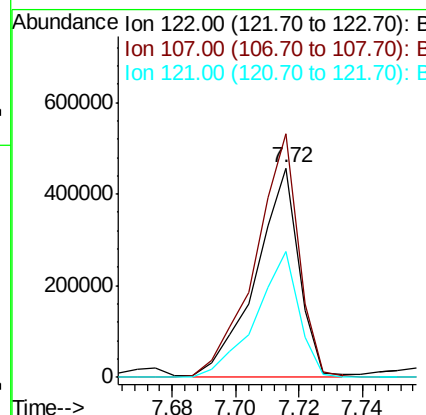
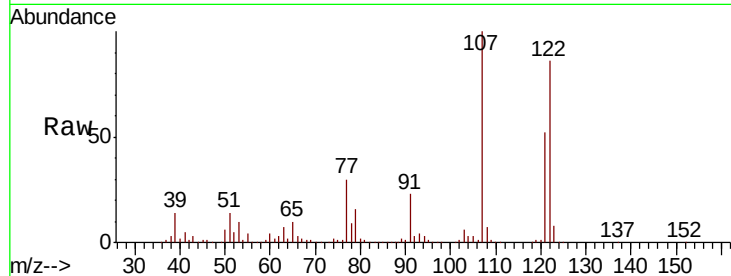
#27
2,4-Dimethylphenol
Concen: 46.996 ng
RT: 7.72 min Scan# 957
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		433806		
107	116.4	92.3	138.5		
121	60.4	46.6	70.0		

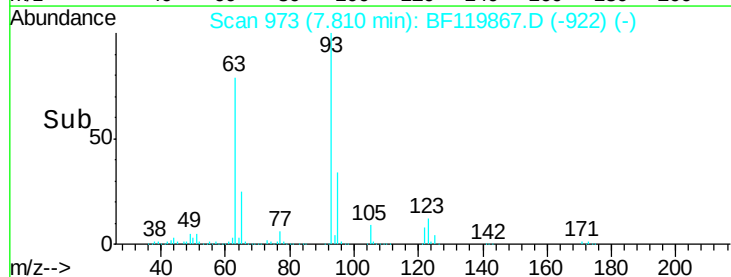
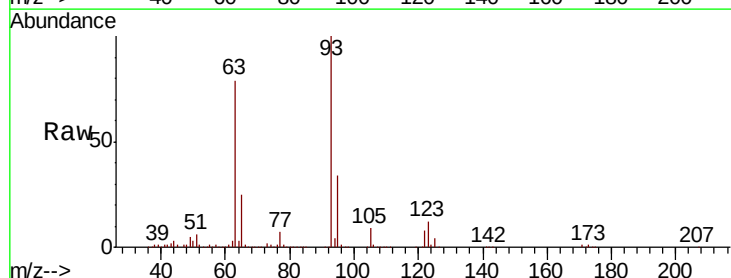
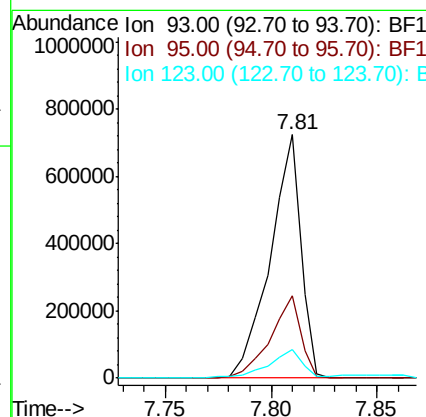
Manual Integrations
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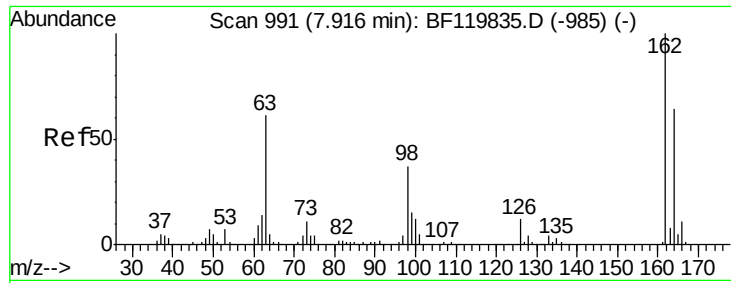
mohammad
4/10/2020 9:57:32 AM



#28
bis(2-Chloroethoxy)methane
Concen: 52.973 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		731766		
95	33.7	26.4	39.6		
123	11.6	9.7	14.5		





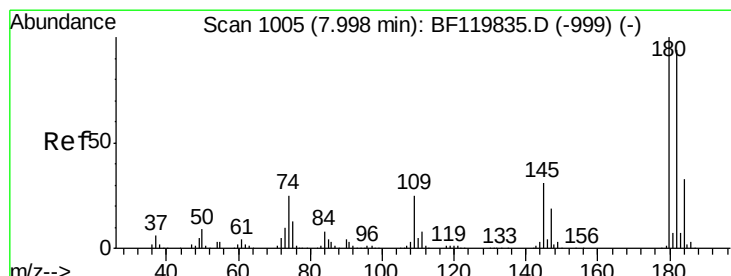
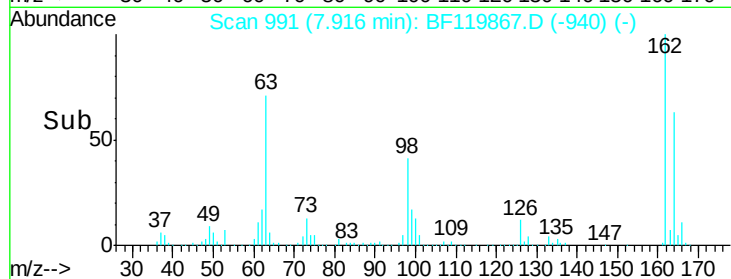
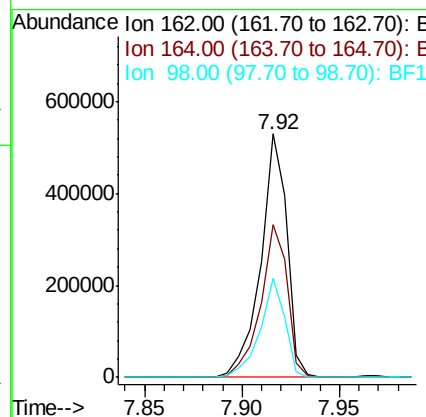
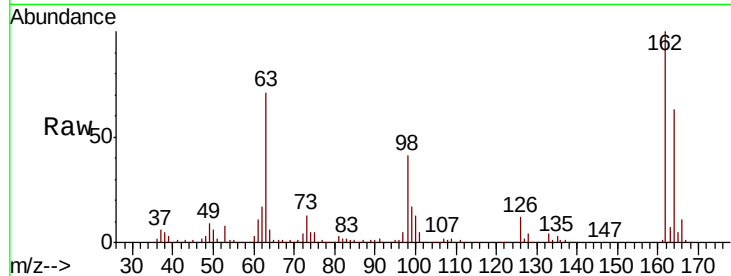
#29
2,4-Dichlorophenol
Concen: 52.077 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	492735		
164	62.8	44.4	84.4	
98	40.8	17.3	57.3	

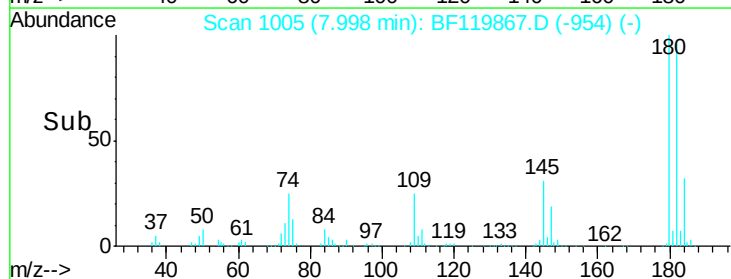
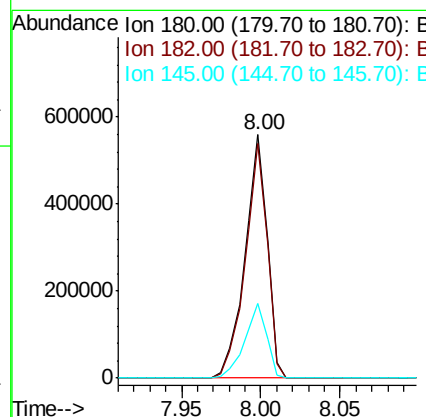
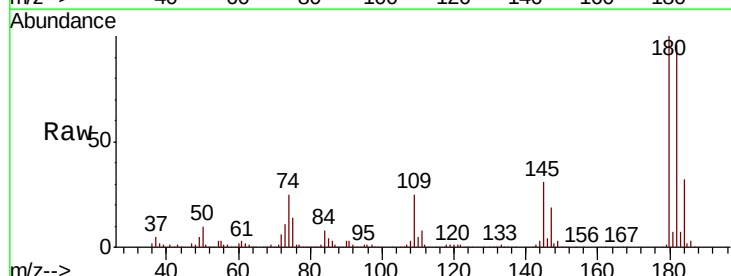
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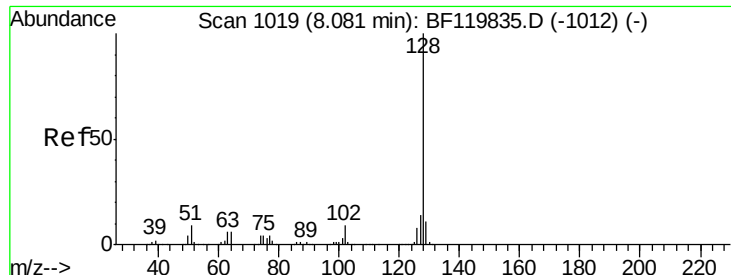
mohammad
4/10/2020 9:57:32 AM



#30
1,2,4-Trichlorobenzene
Concen: 50.126 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	537388		
182	96.3	75.4	113.0	
145	30.6	24.6	37.0	





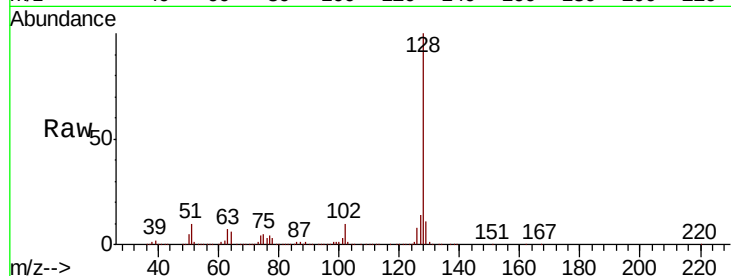
#31
Naphthalene
Concen: 51.313 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.9	11.0	16.4

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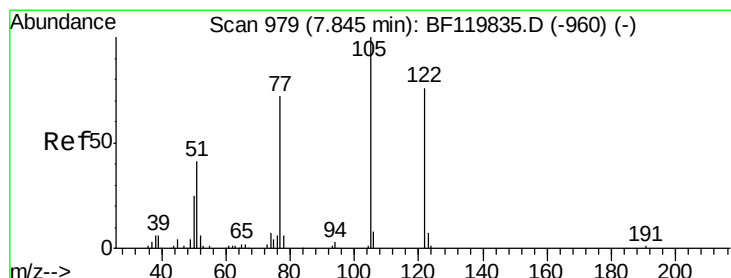
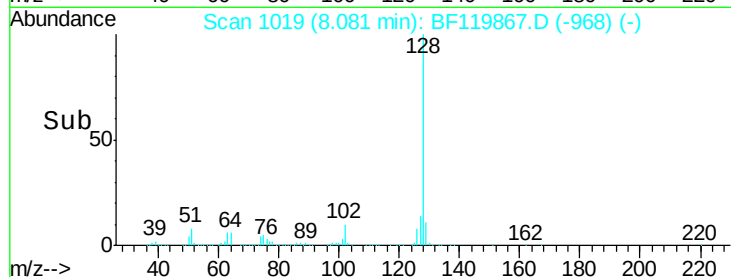
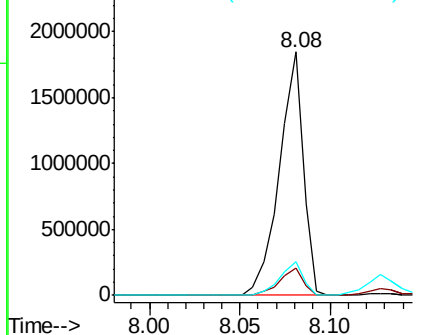


Abundance

Ion 128.00 (127.70 to 128.70): E

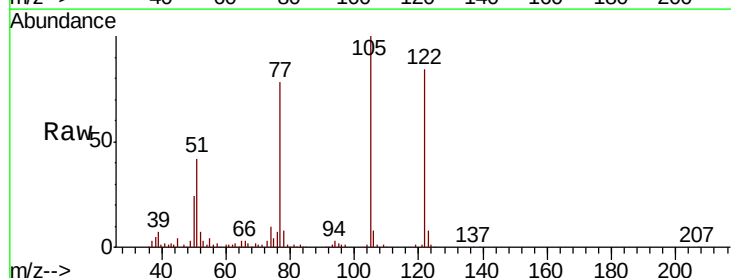
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 51.957 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.2	106.7	146.7
77	92.9	72.1	112.1

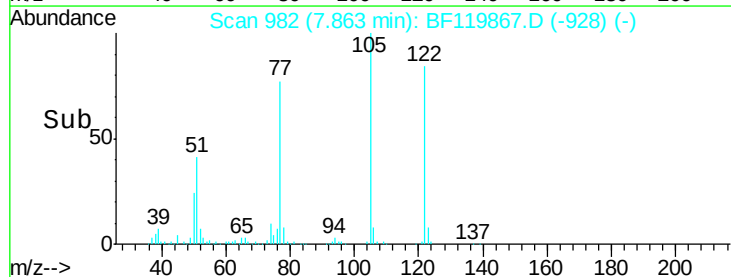
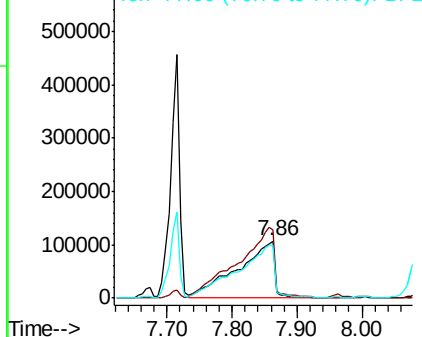


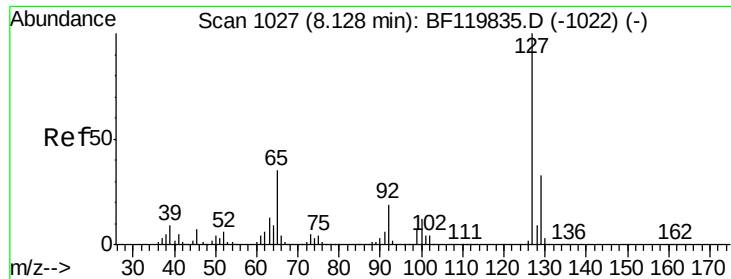
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





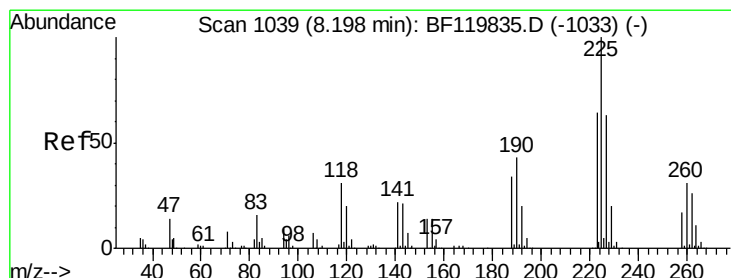
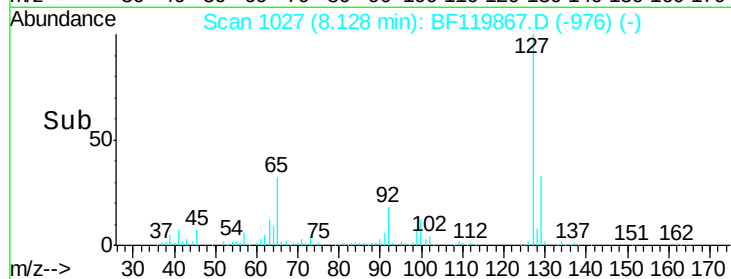
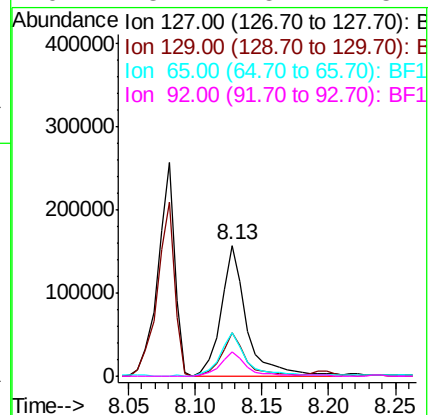
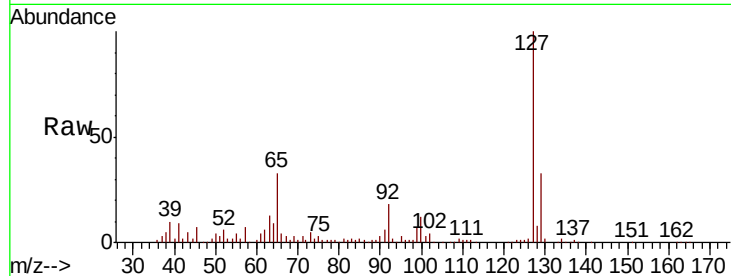
#33
4-Chloroaniline
Concen: 14.331 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		206796		
129	33.0	26.2	39.2		
65	33.2	28.3	42.5		
92	18.1	15.4	23.2		

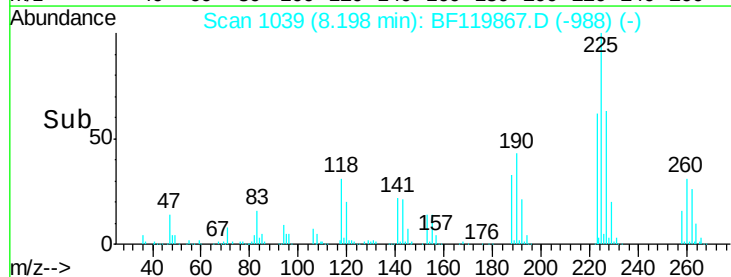
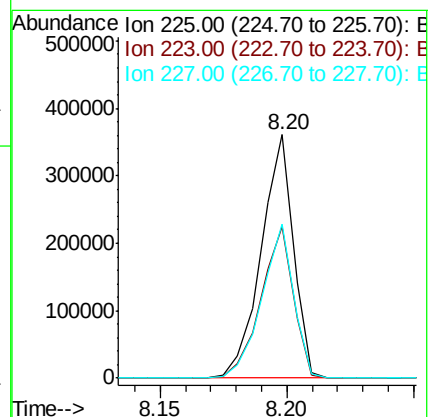
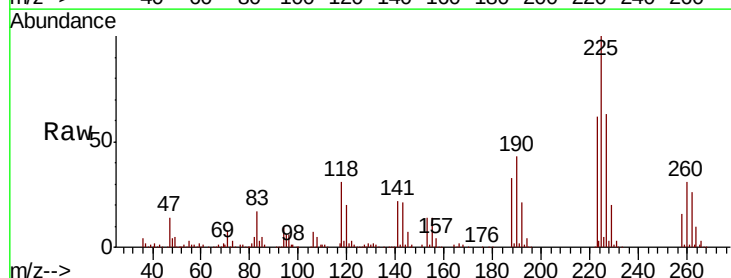
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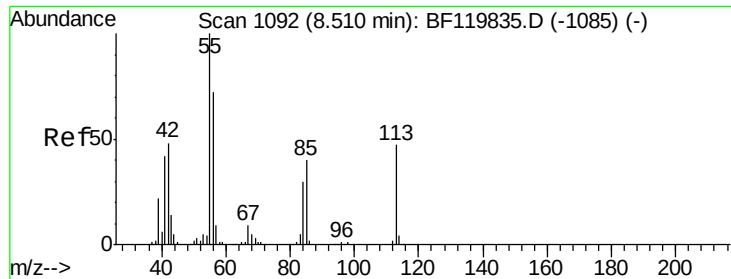
mohammad
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#34
Hexachlorobutadiene
Concen: 49.991 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		320818		
223	62.4	51.0	76.6		
227	63.4	50.4	75.6		





#35

Caprolactam

Concen: 54.431 ng/ml

RT: 8.51 min Scan# 1092

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:113 Resp: 157539

Ion Ratio Lower Upper

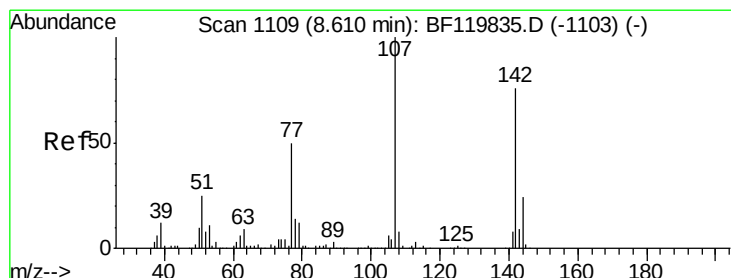
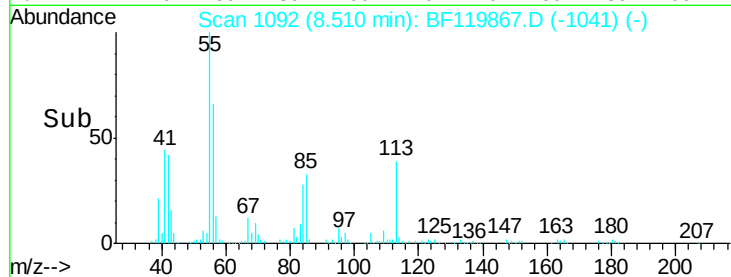
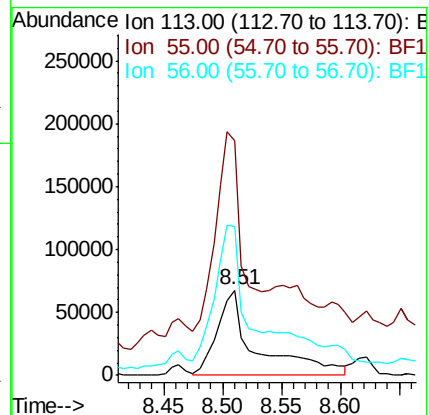
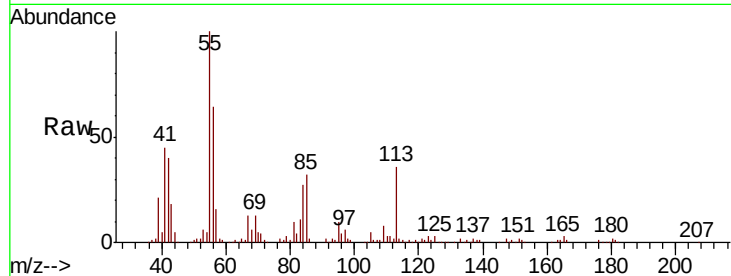
113 100

55 274.4 192.7 232.7#

56 175.1 133.3 173.3#

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4/10/2020 9:57:32 AM



#36

4-Chloro-3-methylphenol

Concen: 51.139 ng/ml

RT: 8.62 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

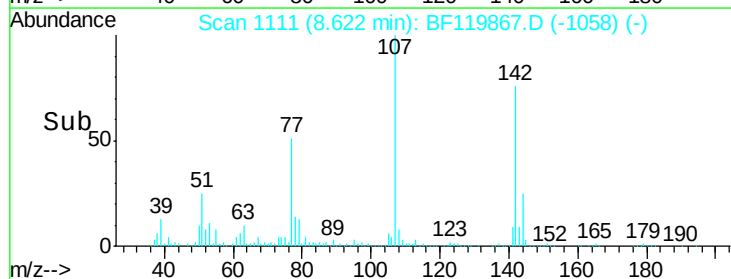
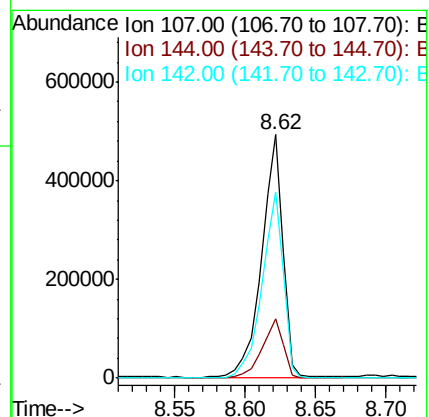
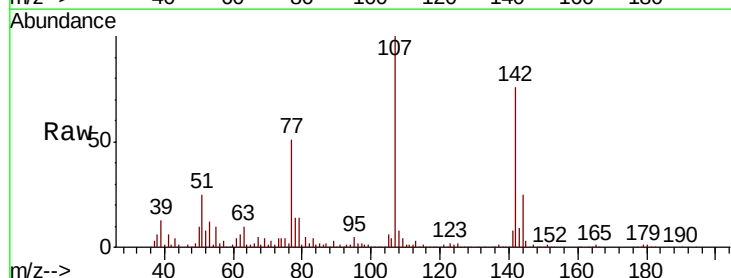
Tgt Ion:107 Resp: 523857

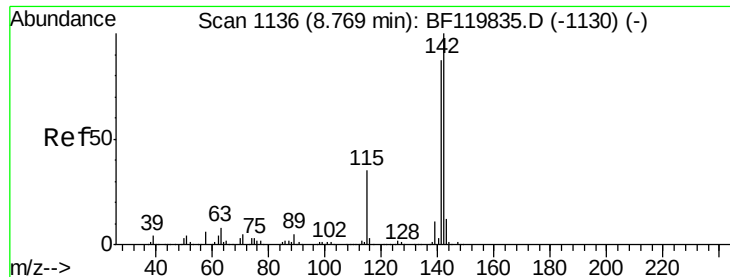
Ion Ratio Lower Upper

107 100

144 24.5 19.5 29.3

142 76.3 60.5 90.7





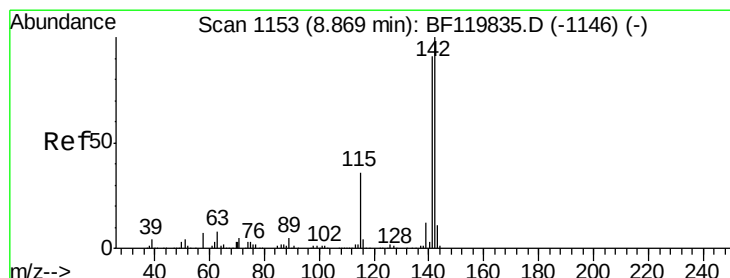
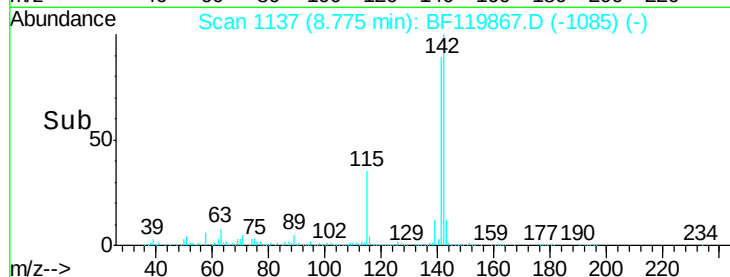
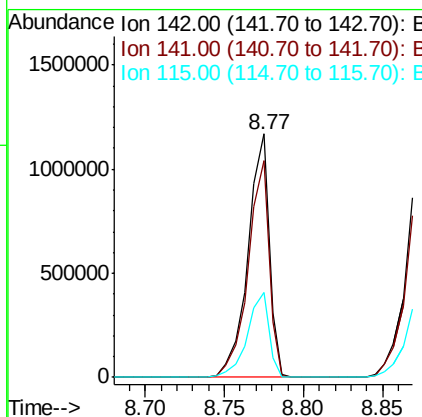
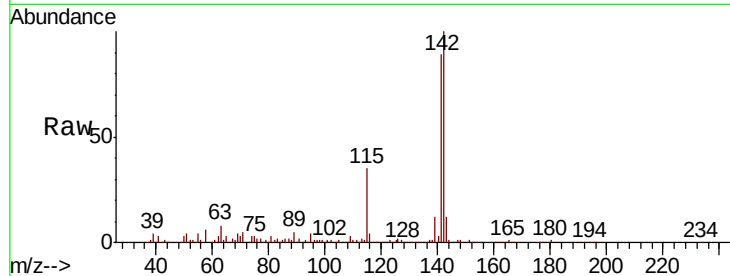
#37
2-Methylnaphthalene
Concen: 48.339 ng
RT: 8.77 min Scan# 1137
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.9	104.9
115	34.8	28.0	42.0

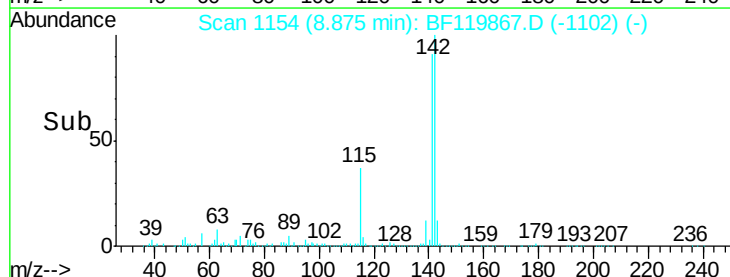
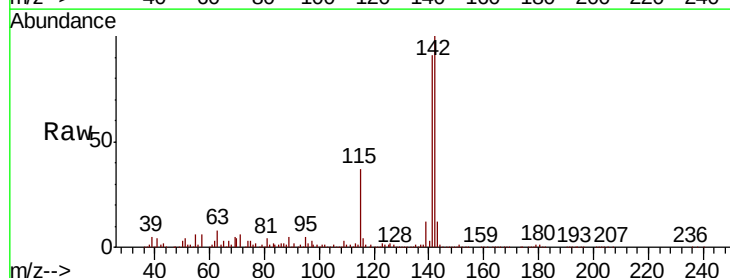
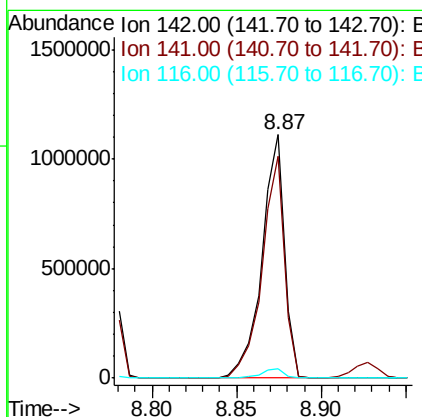
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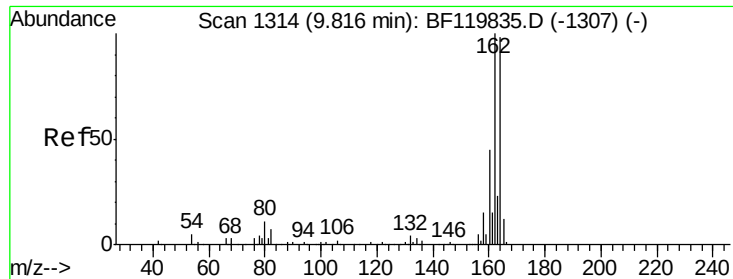
mohammad
4/10/2020 9:57:32 AM



#38
1-Methylnaphthalene
Concen: 48.292 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.9	109.3
116	3.9	3.0	4.6





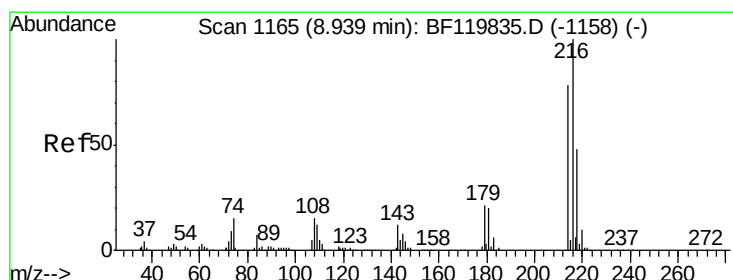
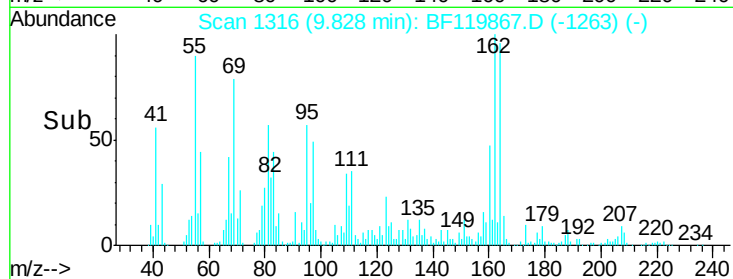
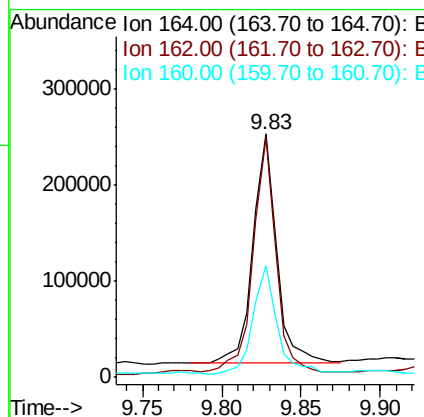
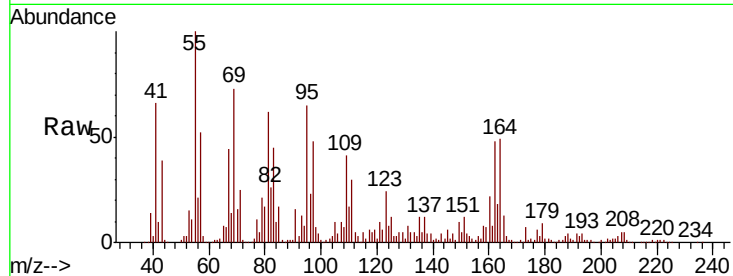
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.7	81.9	122.9	
160	46.1	36.6	54.8	

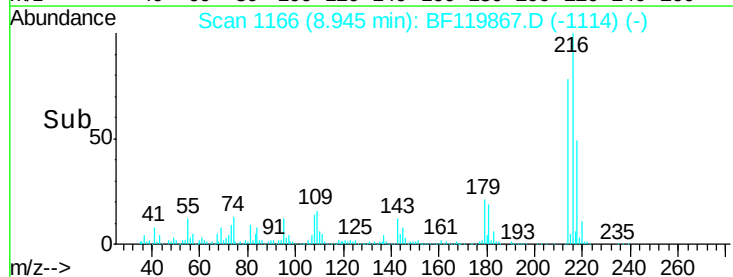
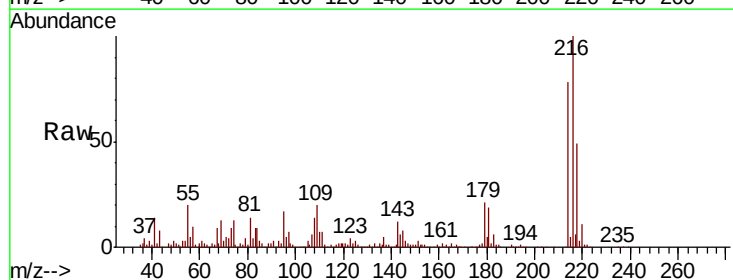
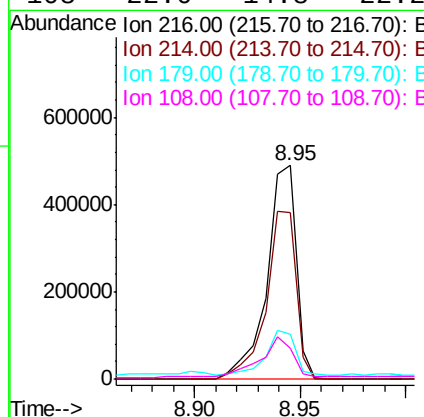
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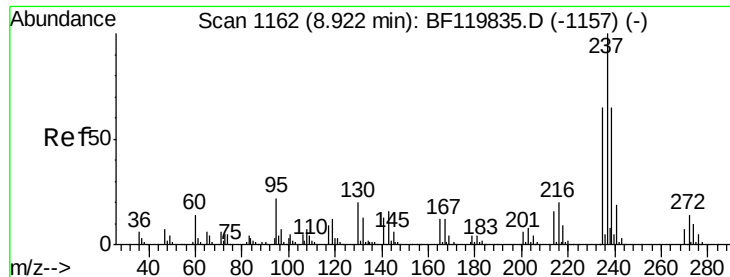
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.162 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.9	63.1	94.7	
179	20.7	17.0	25.4	
108	22.0	14.8	22.2	





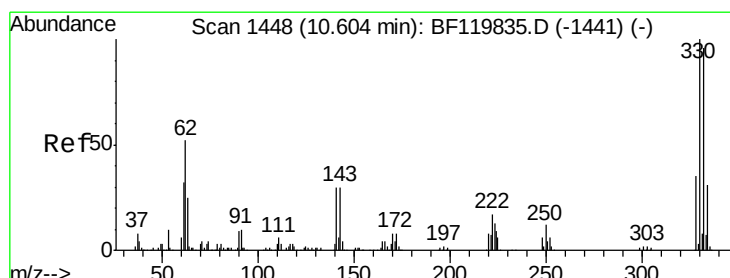
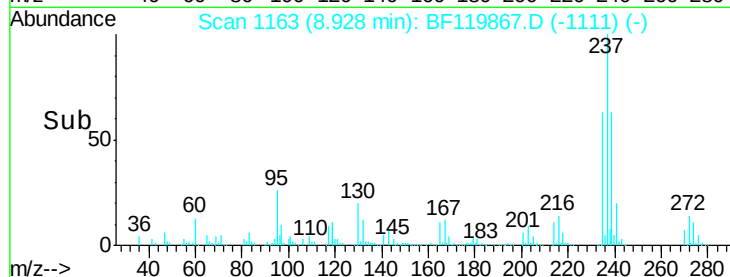
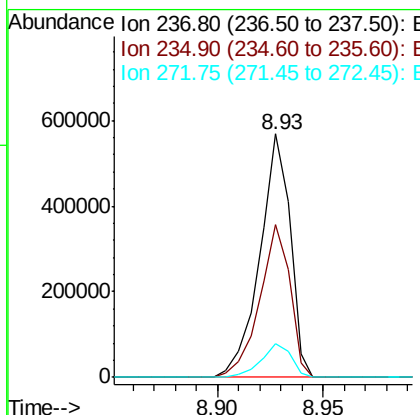
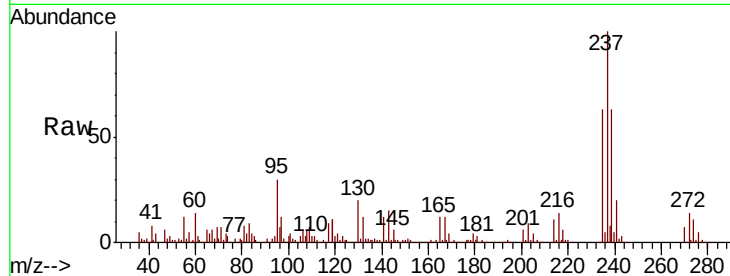
#41
Hexachlorocyclopentadiene
Concen: 128.647 ng
RT: 8.93 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.6	44.9	84.9	
272	13.6	0.0	33.6	

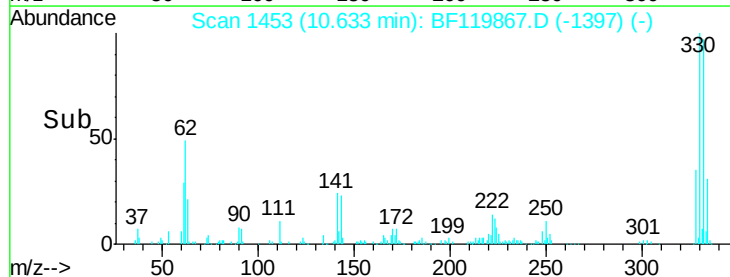
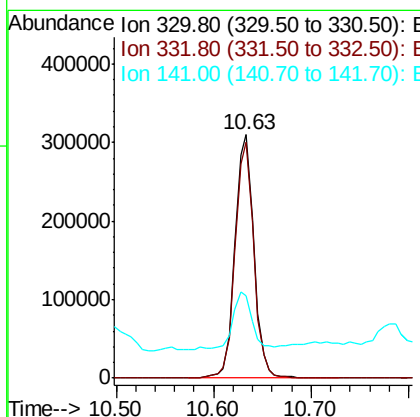
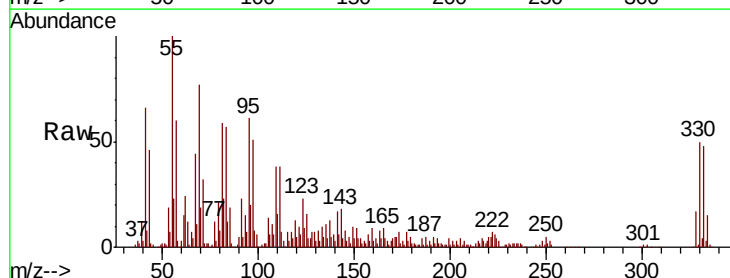
Manual Integrations
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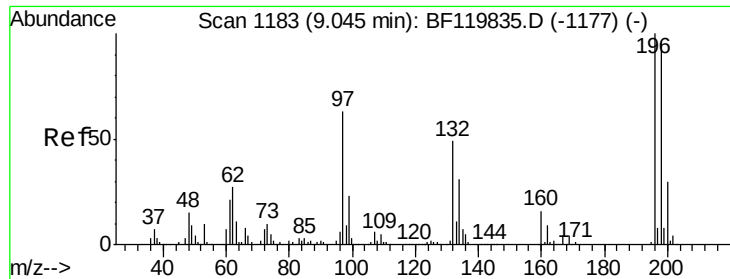
mohammad
4/10/2020 9:57:32 AM



#42
2,4,6-Tribromophenol
Concen: 138.138 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.03 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.8	115.2	
141	22.6	25.1	37.7#	





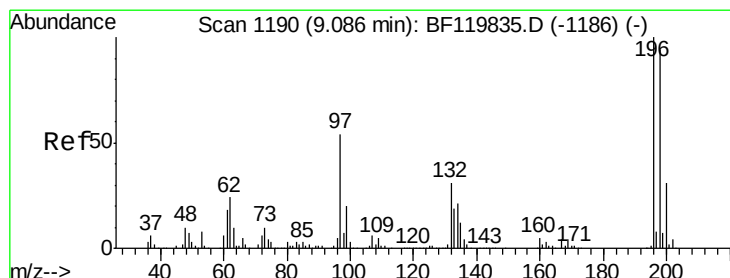
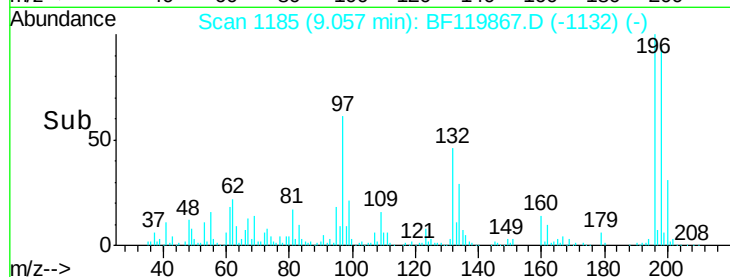
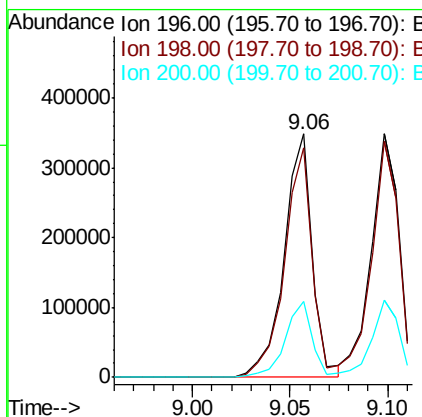
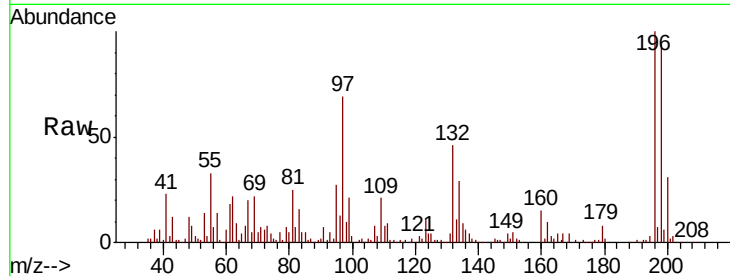
#43
2,4,6-Trichlorophenol
Concen: 64.301 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	344906		
198	94.4	76.6	115.0	
200	31.3	24.2	36.2	

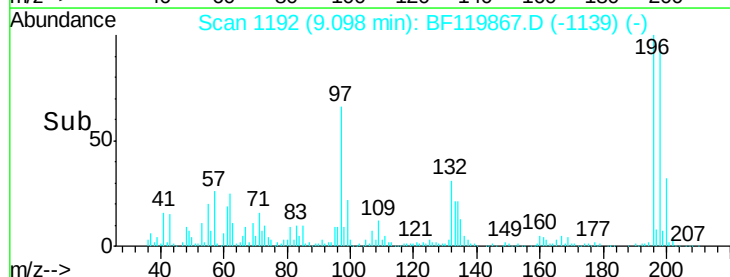
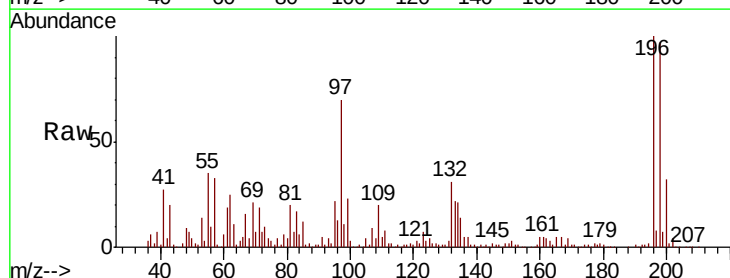
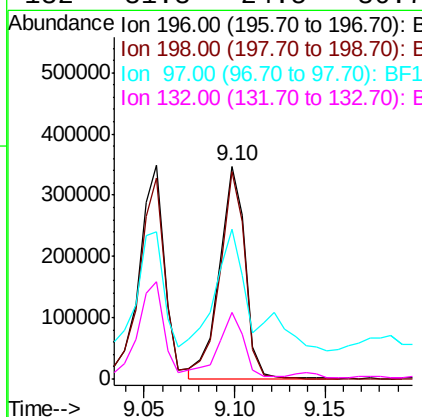
Manual Integrations
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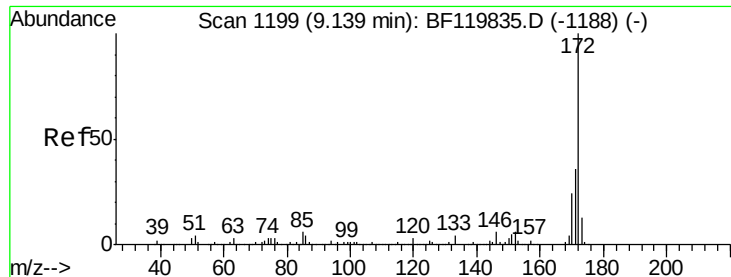
mohammad
4/10/2020 9:57:32 AM



#44
2,4,5-Trichlorophenol
Concen: 56.567 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	341744		
198	97.3	75.1	112.7	
97	70.4	43.4	65.2	#
132	31.3	24.5	36.7	





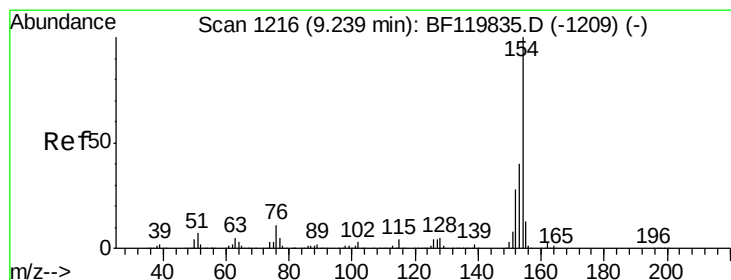
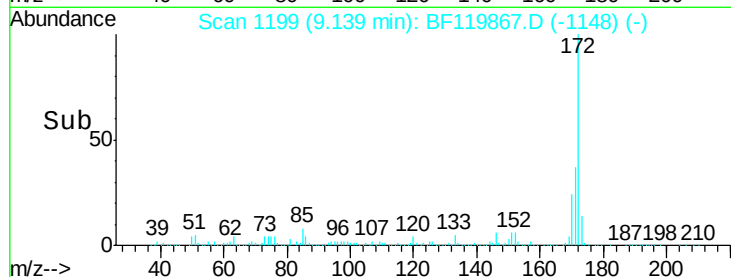
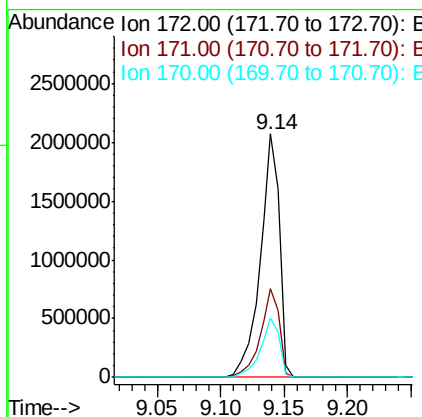
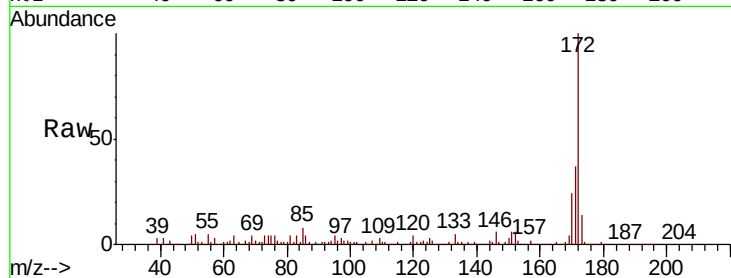
#45
2-Fluorobiphenyl
Concen: 126.589 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.3	19.4	29.2

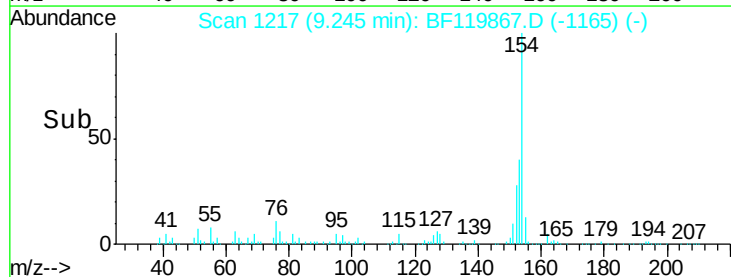
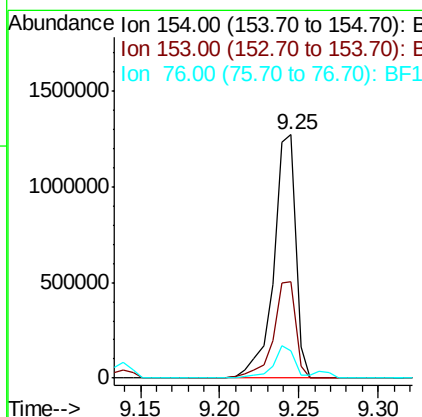
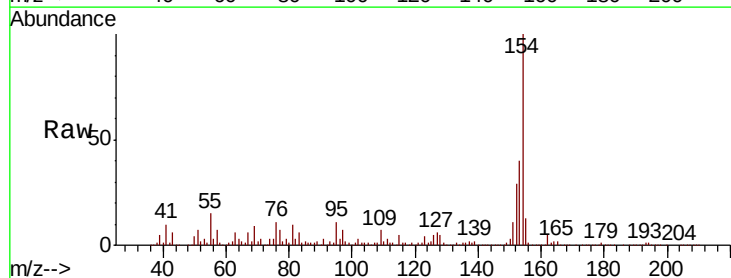
Manual Integrations
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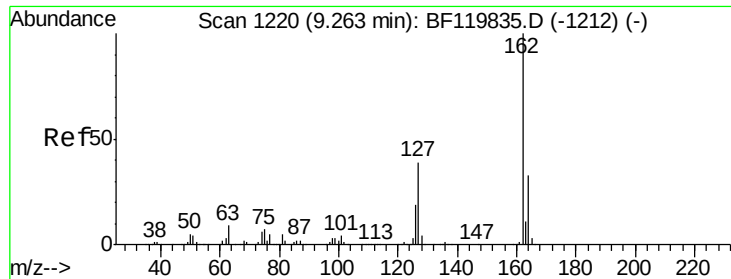
mohammad
4/10/2020 9:57:32 AM



#46
1,1'-Biphenyl
Concen: 59.263 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.5	60.5
76	11.2	0.0	30.6





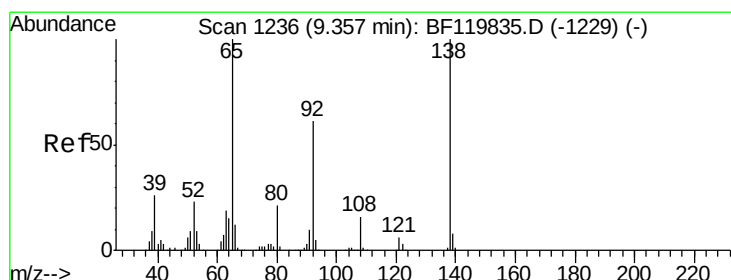
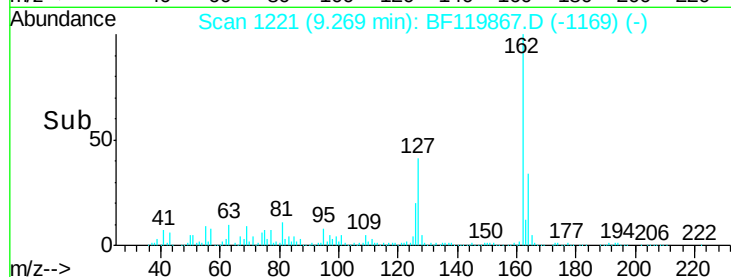
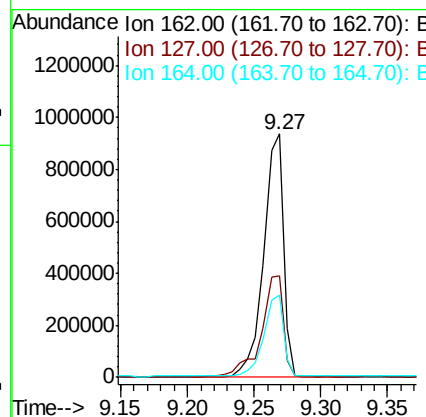
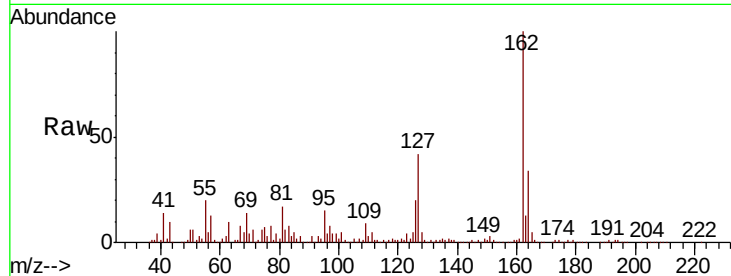
#47
2-Chloronaphthalene
Concen: 59.657 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	31.2	46.8
164	34.0	26.3	39.5

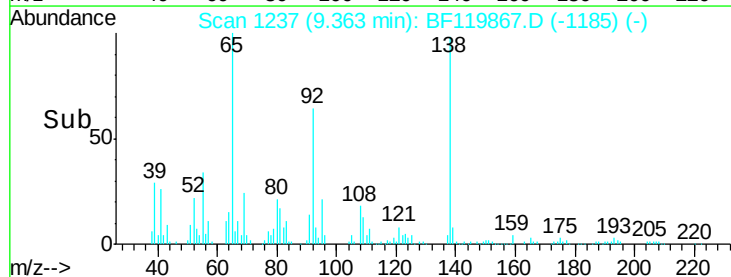
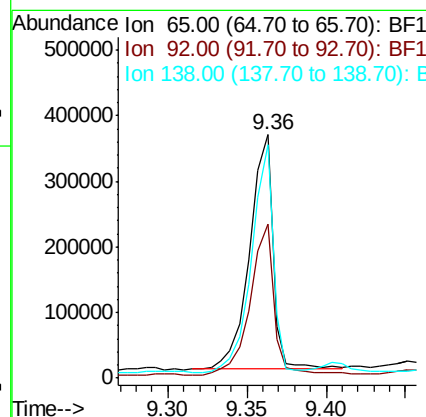
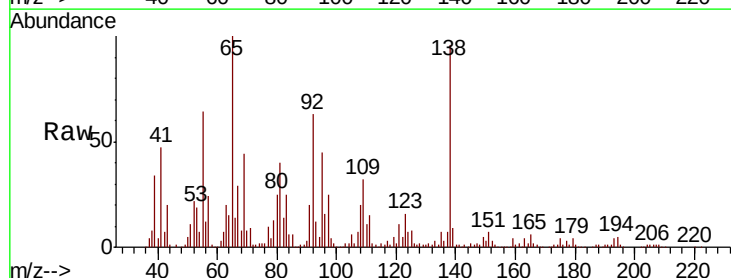
Manual Integrations
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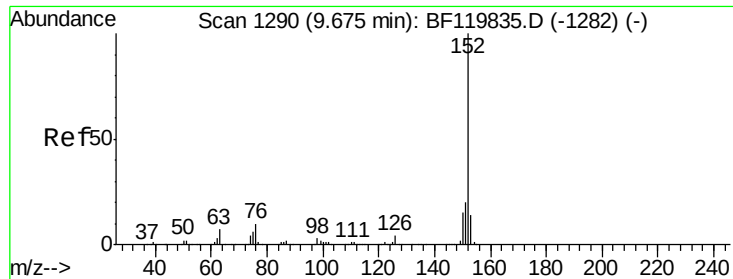
mohammad
4/10/2020 9:57:32 AM



#48
2-Nitroaniline
Concen: 63.376 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.1	49.0	73.6
138	95.9	79.7	119.5





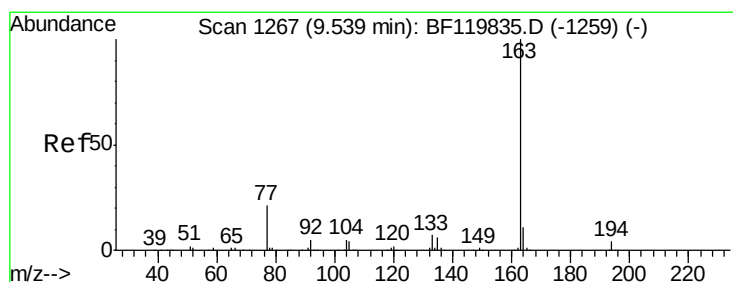
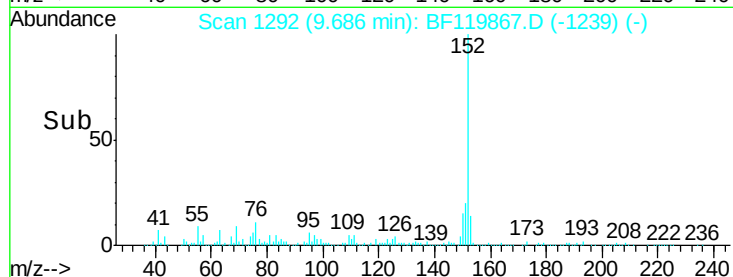
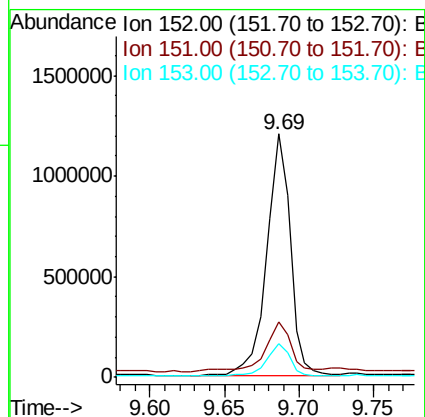
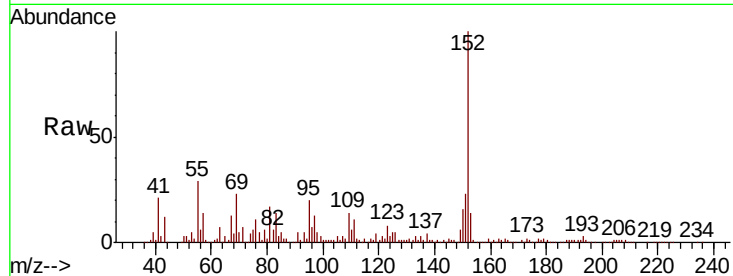
#49
Acenaphthylene
Concen: 53.799 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.6	16.2	24.4
153	13.8	10.9	16.3

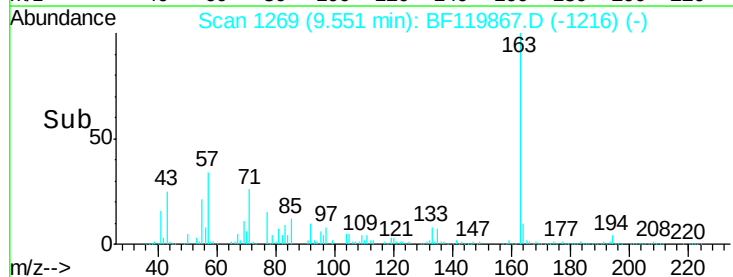
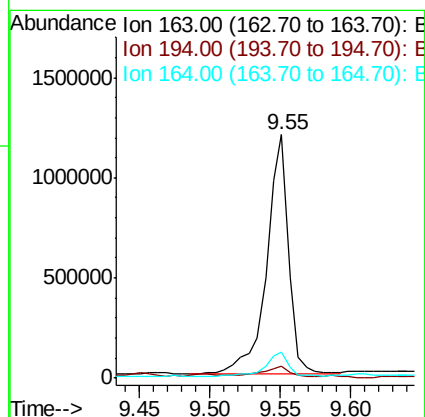
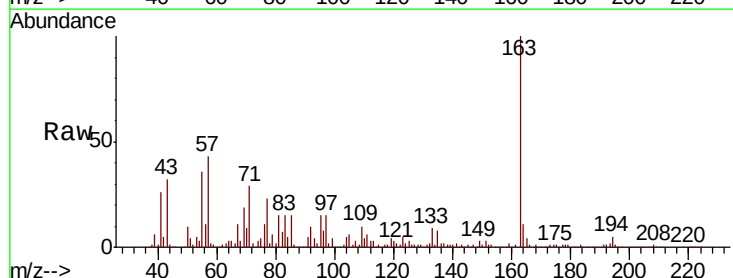
Manual Integrations
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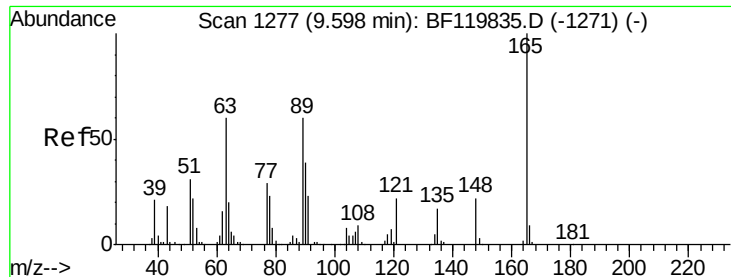
mohammad
4/10/2020 9:57:32 AM



#50
Dimethylphthalate
Concen: 68.595 ng
RT: 9.55 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.0	4.4#
164	10.6	8.4	12.6





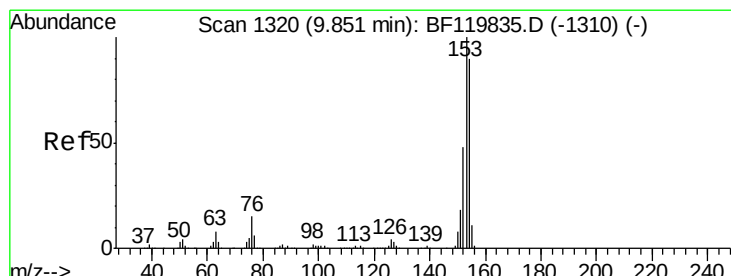
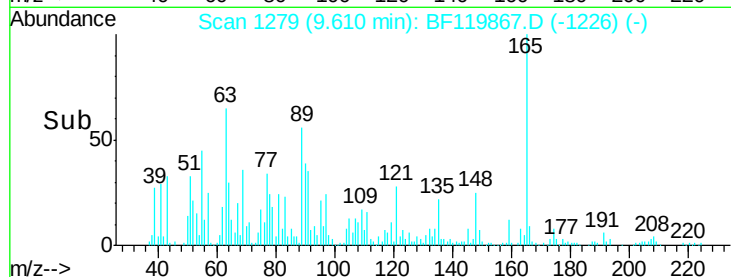
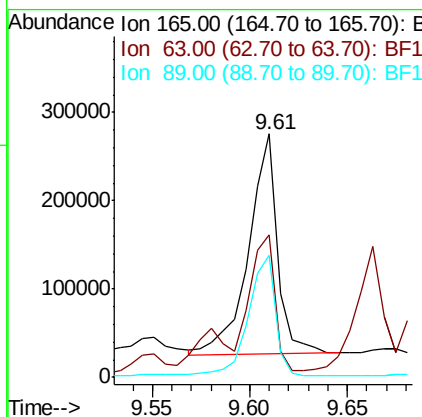
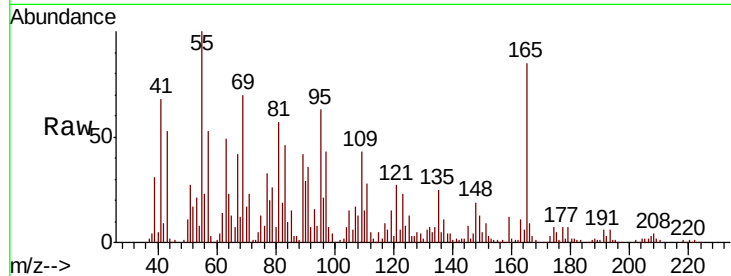
#51
 2,6-Dinitrotoluene
 Concen: 60.960 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	253940		
63	58.5		55.6	83.4
89	50.2		47.9	71.9

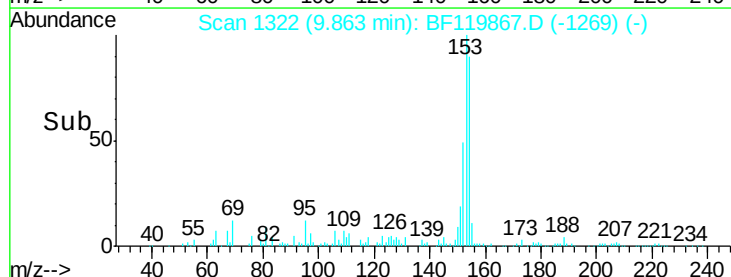
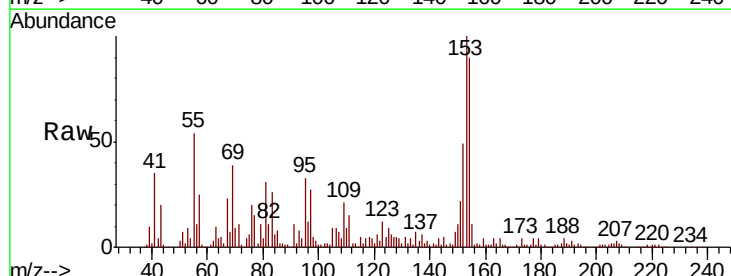
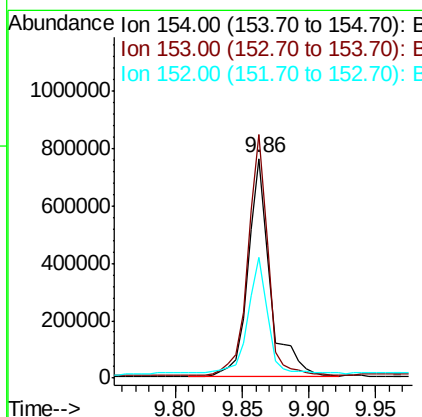
Manual Integrations
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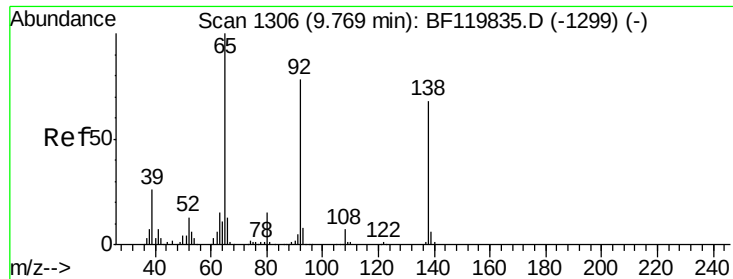
mohammad
 4/10/2020 9:57:32 AM



#52
 Acenaphthene
 Concen: 53.158 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	862362		
153	111.0		88.8	133.2
152	54.8		42.4	63.6





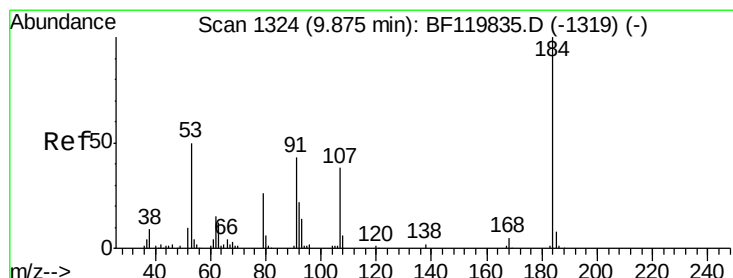
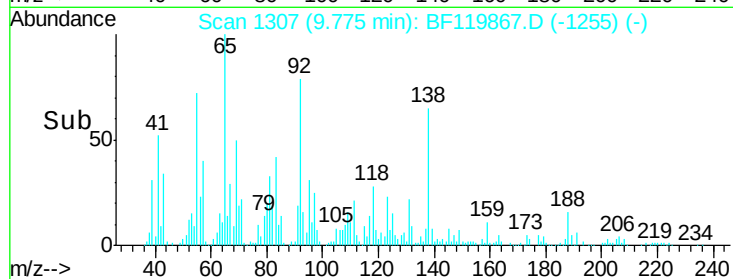
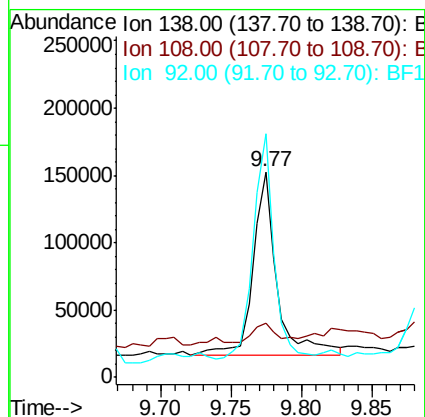
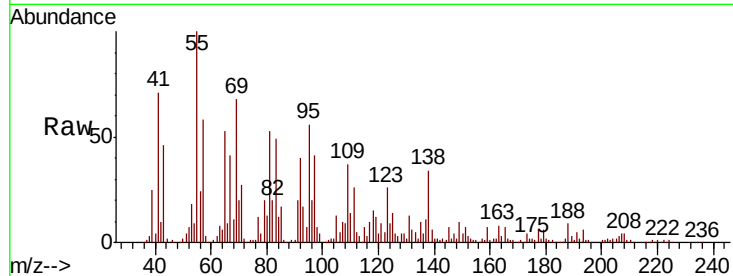
#53
3-Nitroaniline
Concen: 34.492 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	26.5	8.0	12.0#
92	118.5	92.1	138.1

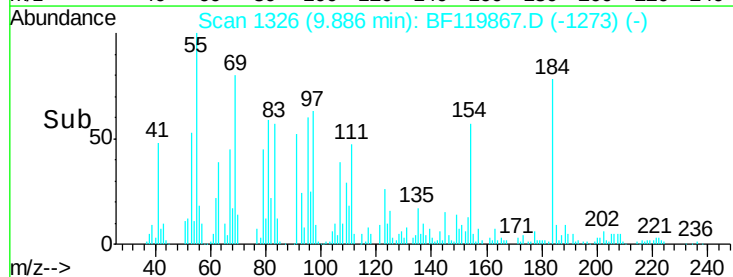
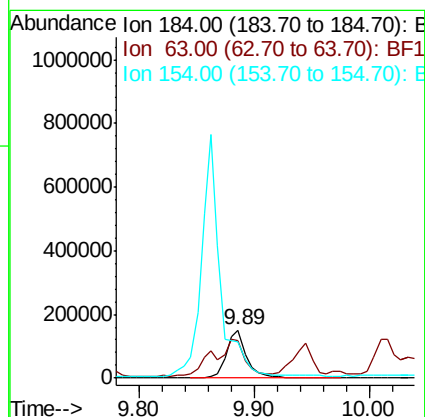
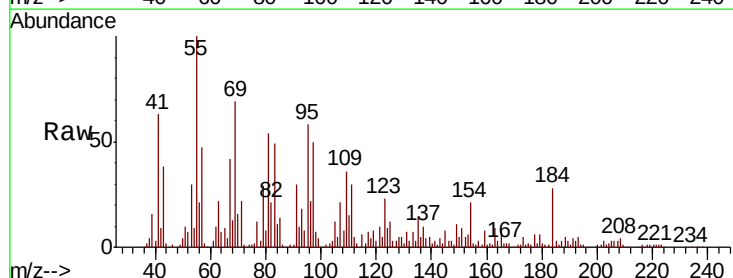
Manual Integrations
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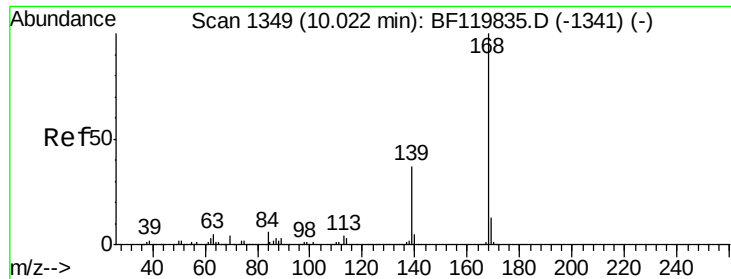
mohammad
4/10/2020 9:57:32 AM



#54
2,4-Dinitrophenol
Concen: 73.571 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.3	49.8	74.6#
154	76.1	46.5	69.7#





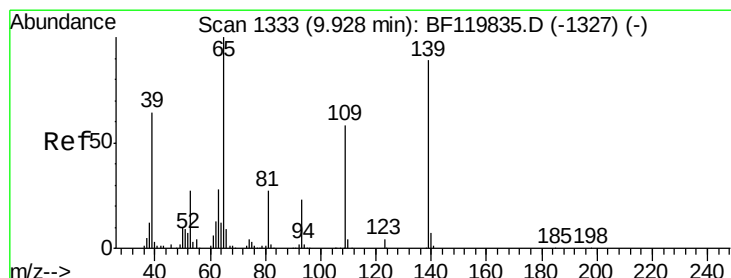
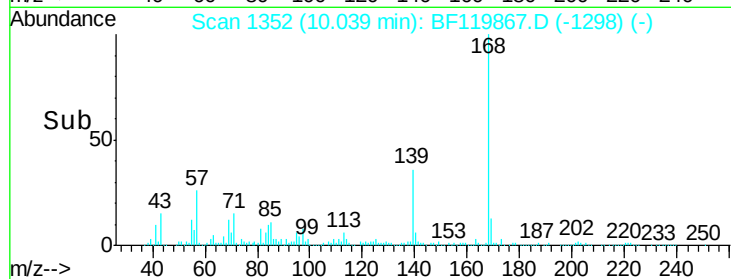
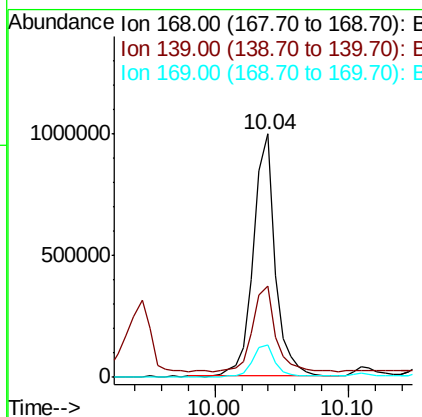
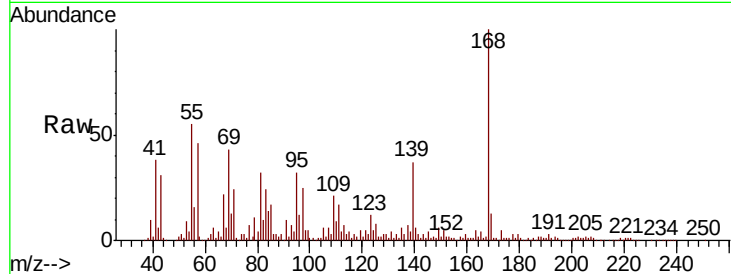
#55
Dibenzofuran
Concen: 50.001 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.8	44.6
169	13.4	10.6	15.8

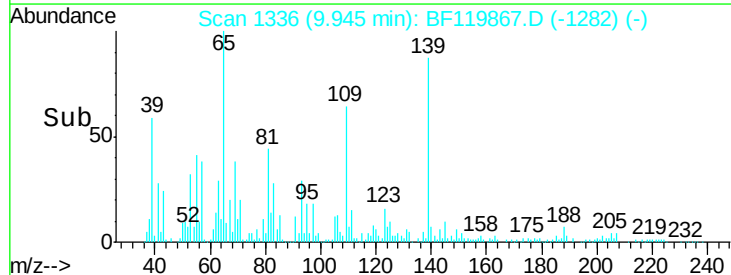
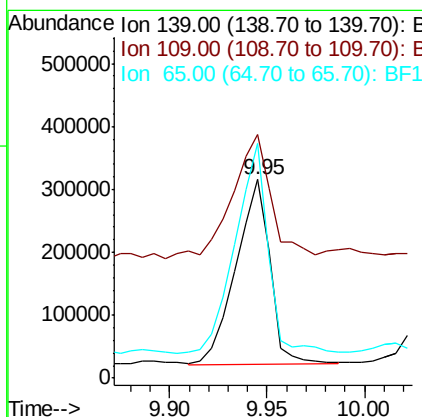
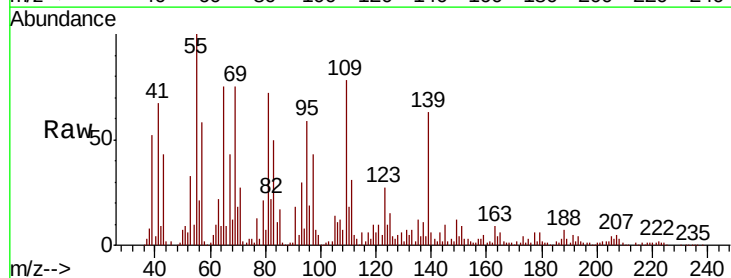
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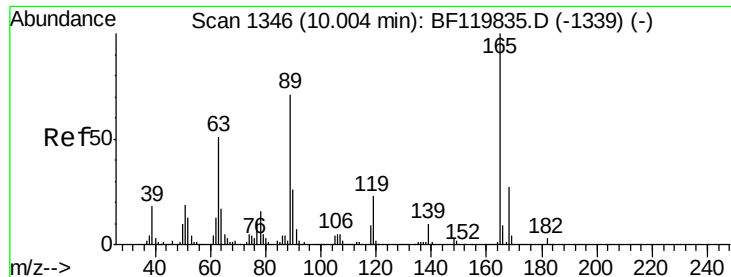
mohammad
4/10/2020 9:57:32 AM



#56
4-Nitrophenol
Concen: 100.477 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	122.6	45.5	85.5#
65	118.0	92.3	132.3





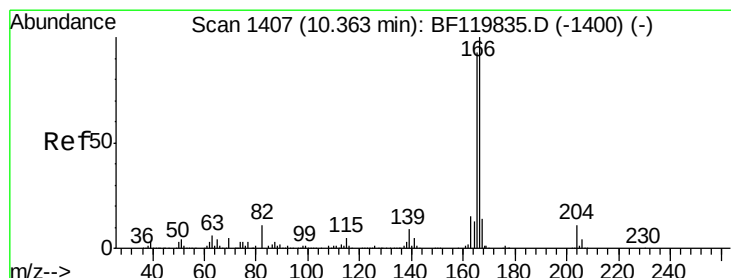
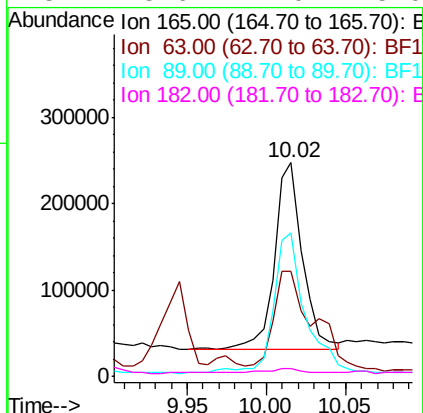
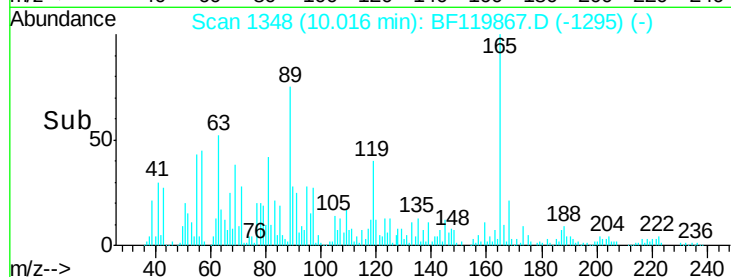
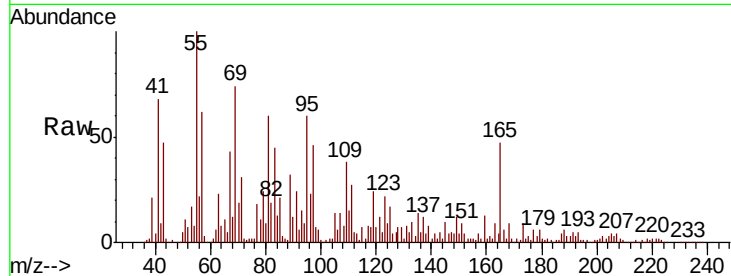
#57
2,4-Dinitrotoluene
Concen: 48.623 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	266860		
63	49.4		40.8	61.2
89	67.2		56.9	85.3
182	3.6		2.0	3.0#

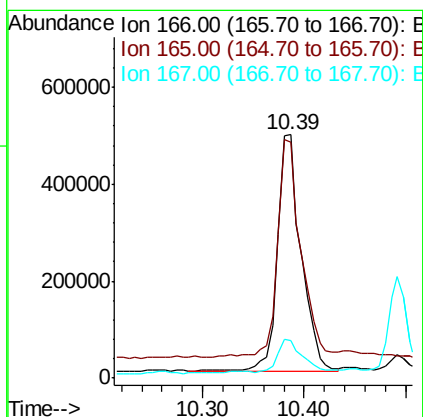
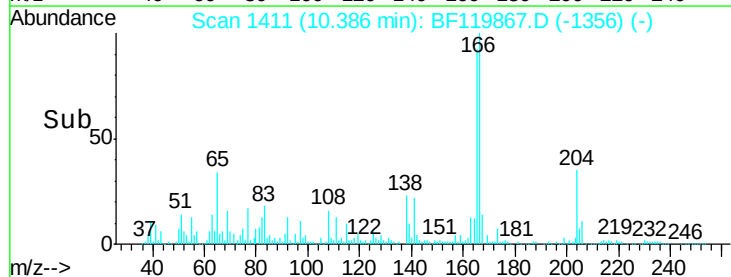
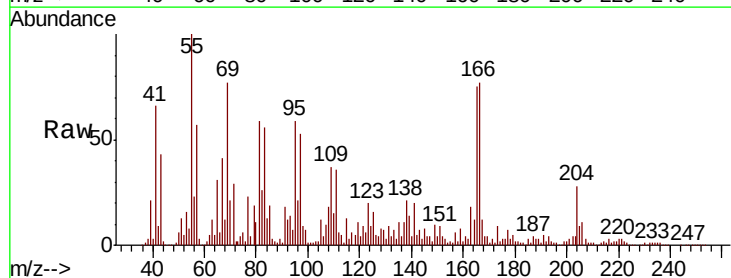
Manual Integrations
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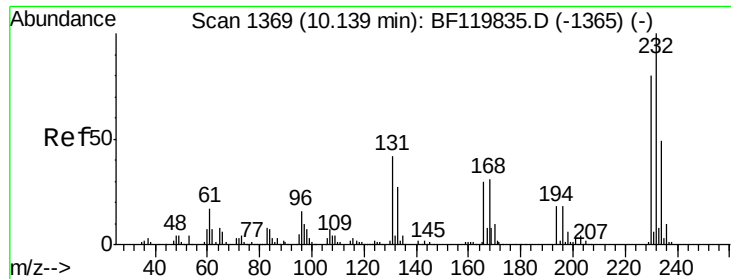
mohammad
4/10/2020 9:57:32 AM



#58
Fluorene
Concen: 44.282 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	788388		
165	97.1		74.2	111.2
167	15.4		10.8	16.2





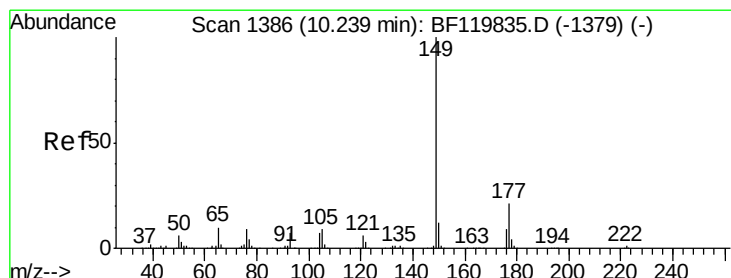
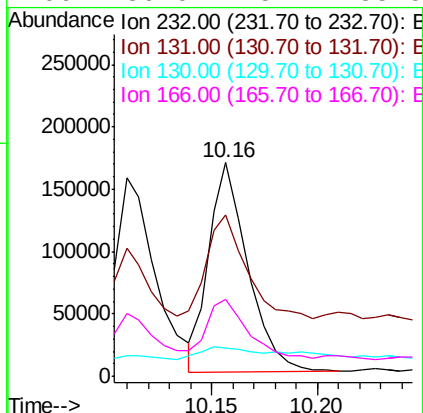
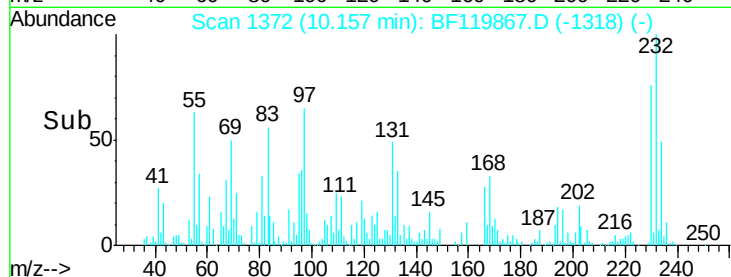
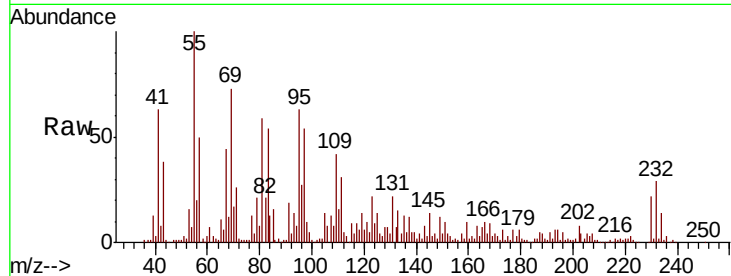
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.433 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	214547		
131	52.9	37.9	56.9	
130	11.8	1.8	2.6	
166	30.0	25.4	38.0	

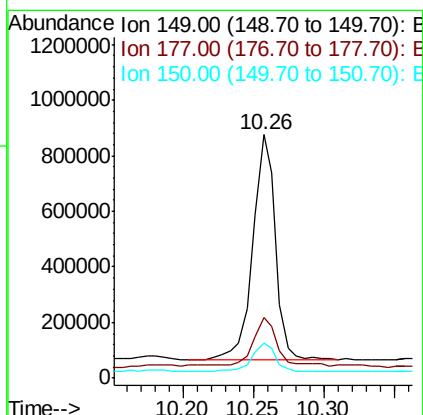
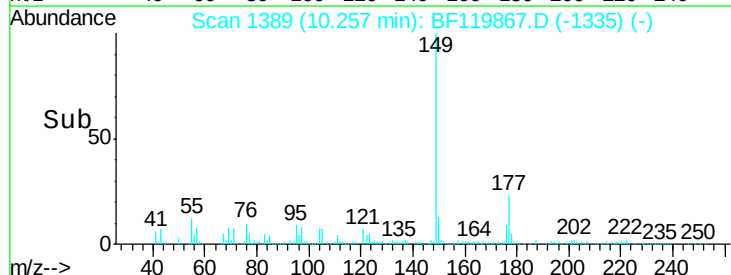
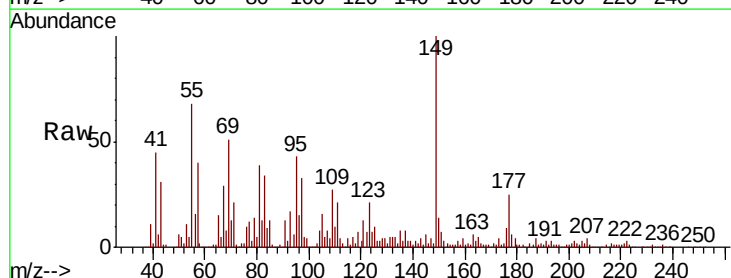
Manual Integrations
APPROVED

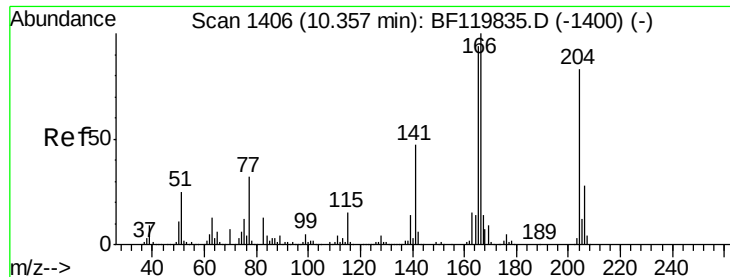
mohammad
4/10/2020 9:57:32 AM



#60
Diethylphthalate
Concen: 46.586 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	918489		
177	24.7	16.8	25.2	
150	14.3	9.8	14.6	





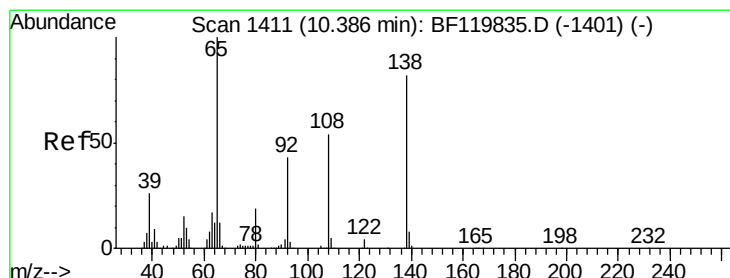
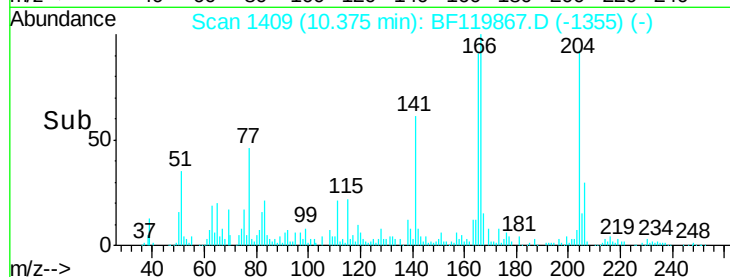
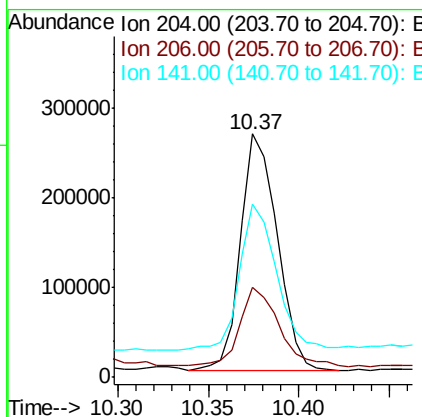
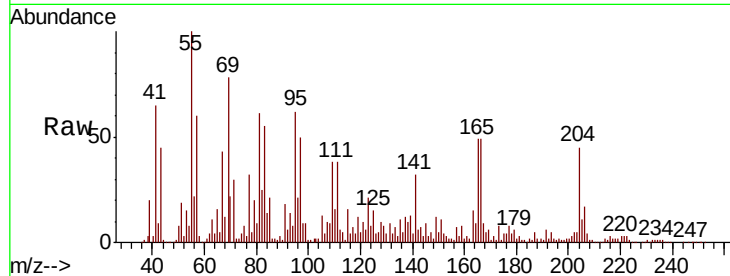
#61
4-Chlorophenyl-phenylether
Concen: 40.680 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	37.1	26.7	40.1
141	71.3	45.8	68.8

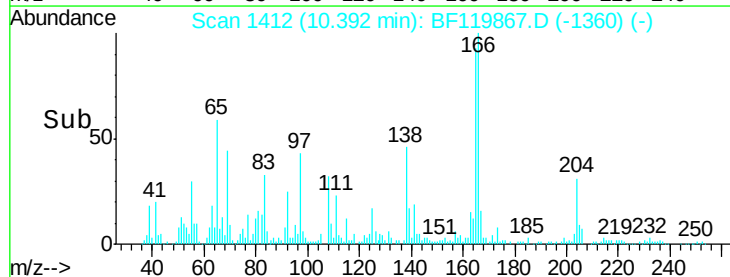
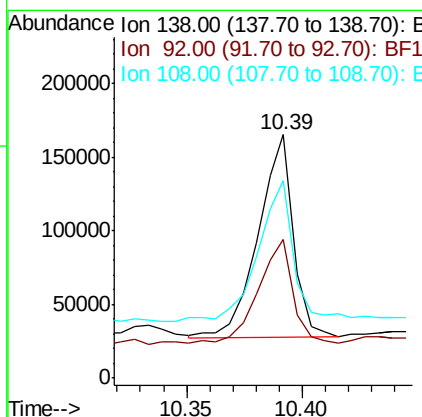
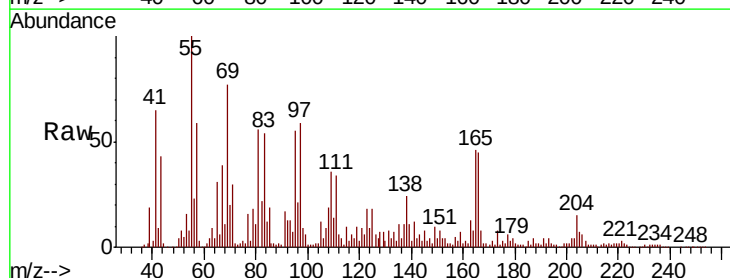
Manual Integrations
APPROVED

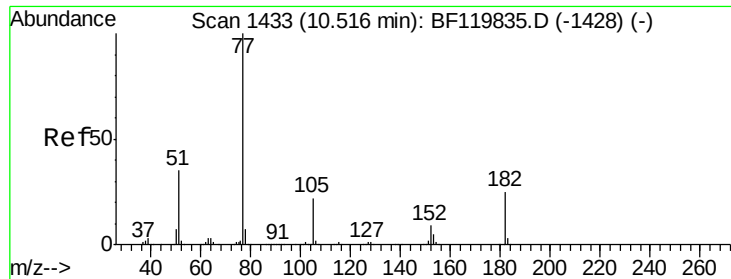
mohammad
4/10/2020 9:57:32 AM



#62
4-Nitroaniline
Concen: 31.956 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.8	31.6	71.6
108	81.3	45.2	85.2





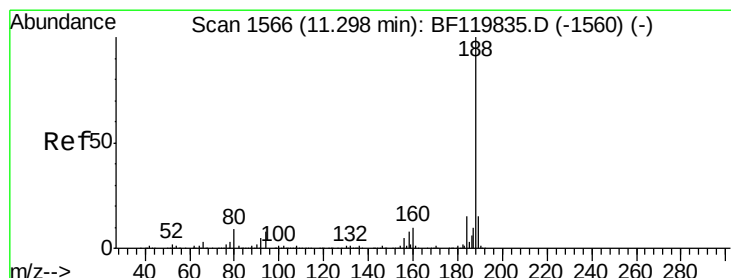
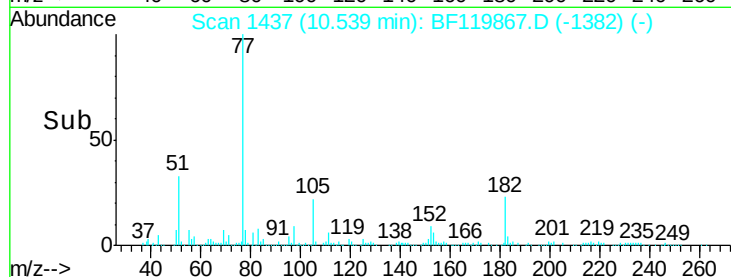
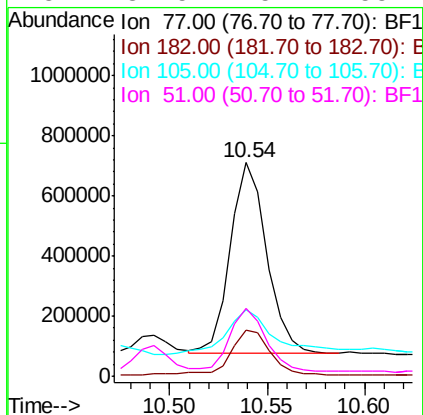
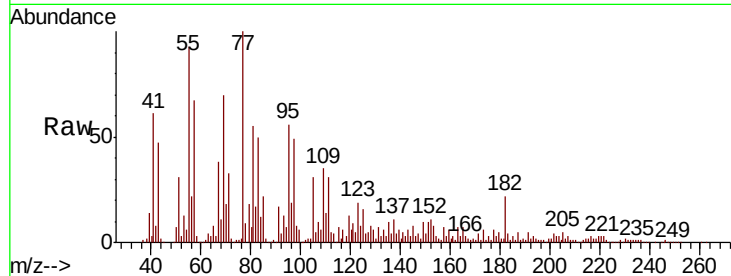
#63
Azobenzene
Concen: 46.630 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	21.6	4.5	44.5		
105	31.4	2.2	42.2		
51	31.5	15.1	55.1		

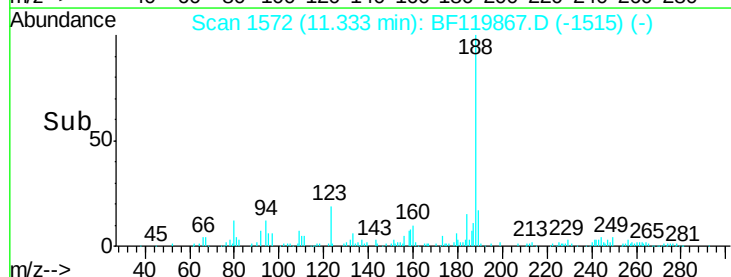
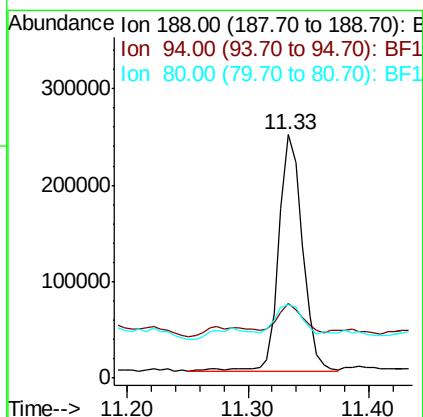
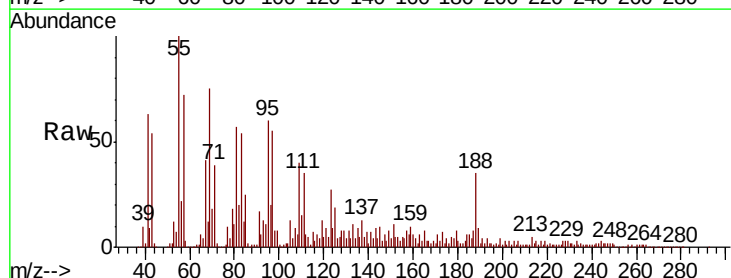
Manual Integrations
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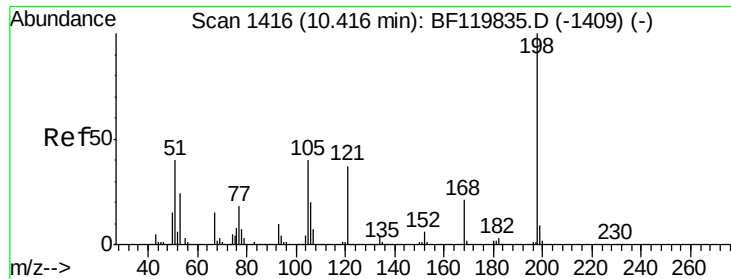
mohammad
4/10/2020 9:57:32 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	30.5	6.7	10.1#		
80	30.4	7.4	11.2#		





#65

4,6-Dinitro-2-methylphenol

Concen: 41.204 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:198 Resp: 90755

Ion Ratio Lower Upper

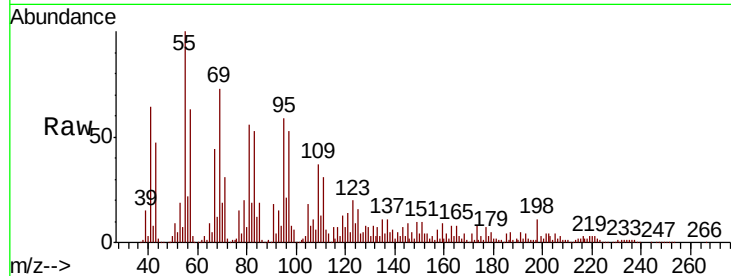
198 100

51 78.7 25.2 65.2#

105 160.0 20.8 60.8#

Manual Integrations
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

150000

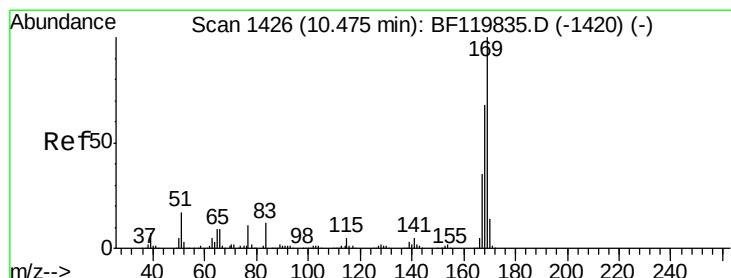
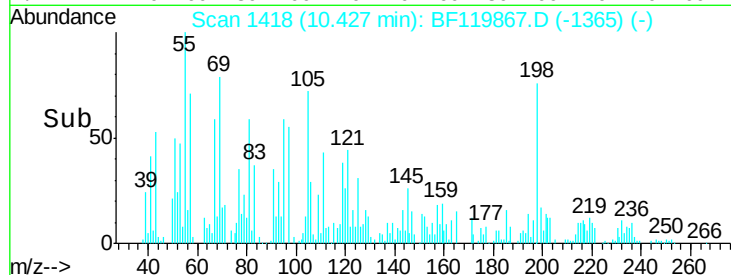
100000

50000

0

10.40 10.43 10.45 10.50

Time-->



#66

n-Nitrosodiphenylamine

Concen: 63.837 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

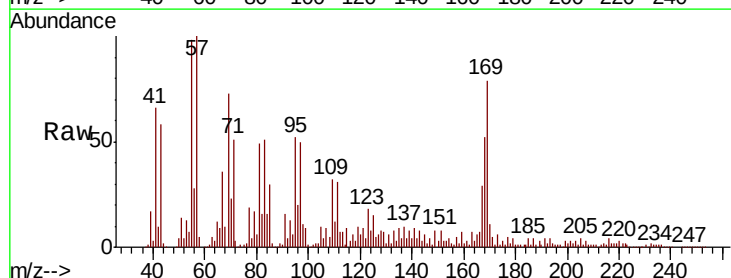
Tgt Ion:169 Resp: 709792

Ion Ratio Lower Upper

169 100

168 66.5 54.2 81.4

167 36.8 28.3 42.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

800000

600000

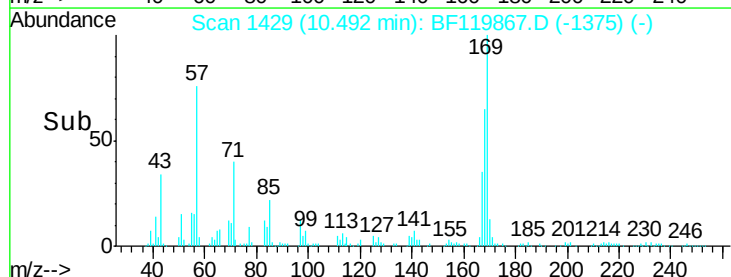
400000

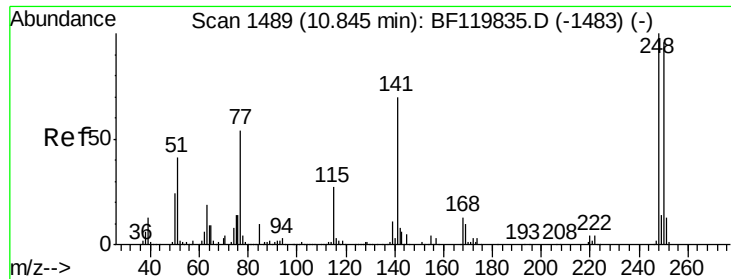
200000

0

10.45 10.49 10.55

Time-->





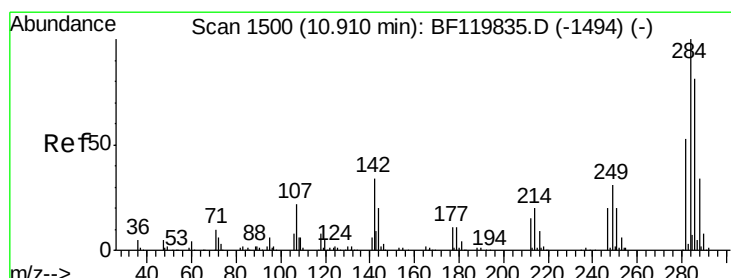
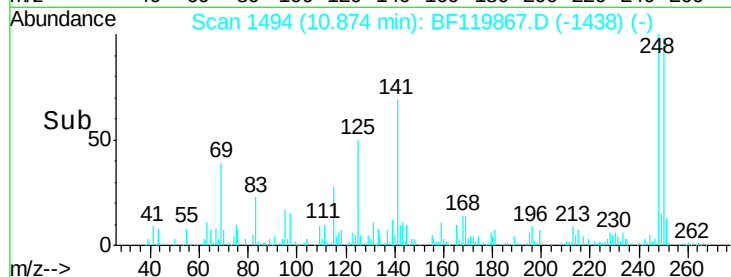
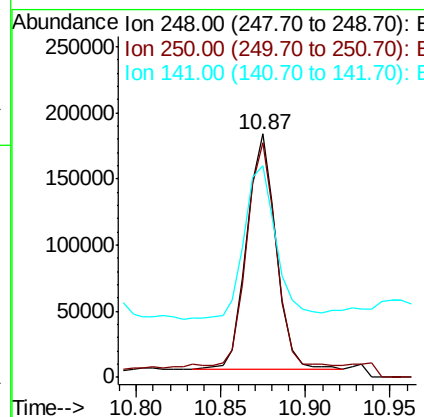
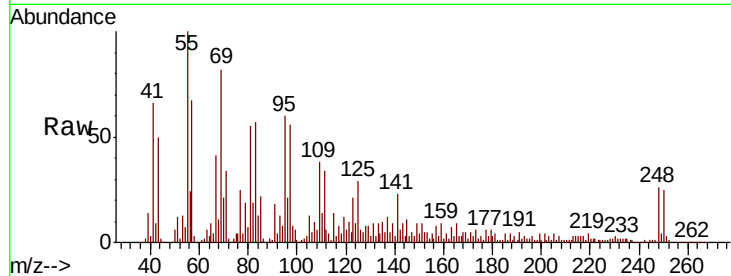
#67
4-Bromophenyl-phenylether
Concen: 51.311 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.03 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	76.6	114.8
141	87.1	55.9	83.9

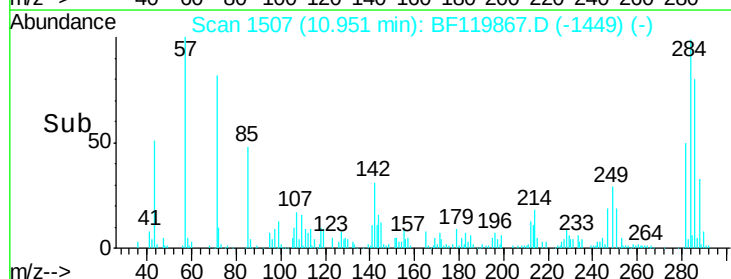
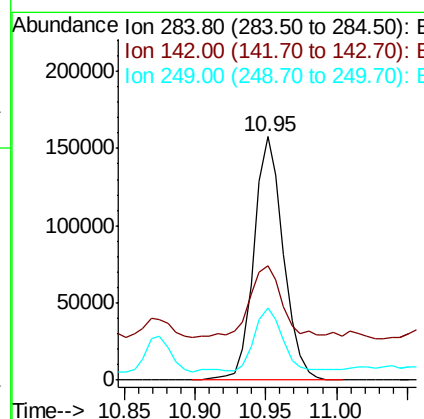
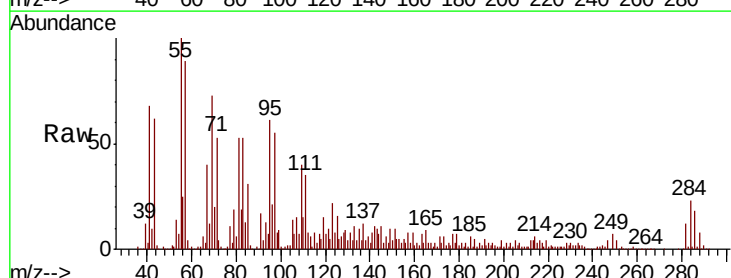
Manual Integrations
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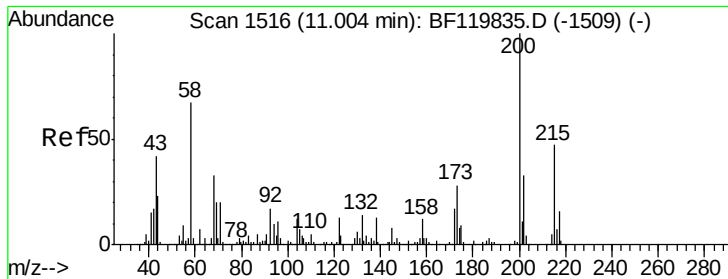
mohammad
4/10/2020 9:57:32 AM



#68
Hexachlorobenzene
Concen: 54.830 ng
RT: 10.95 min Scan# 1507
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.9	26.9	40.3
249	29.6	24.6	37.0





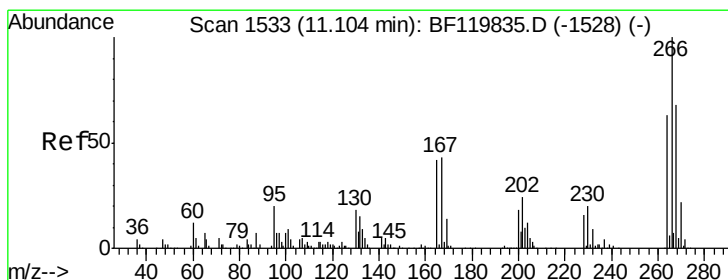
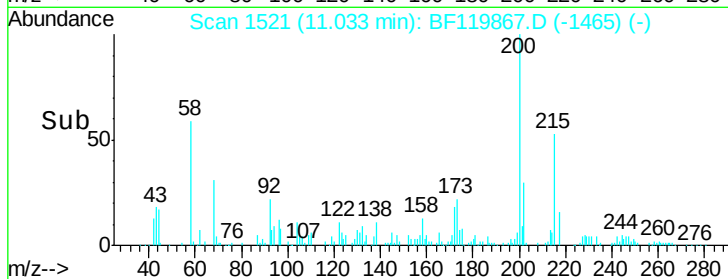
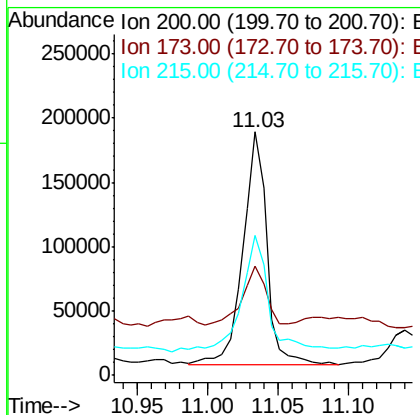
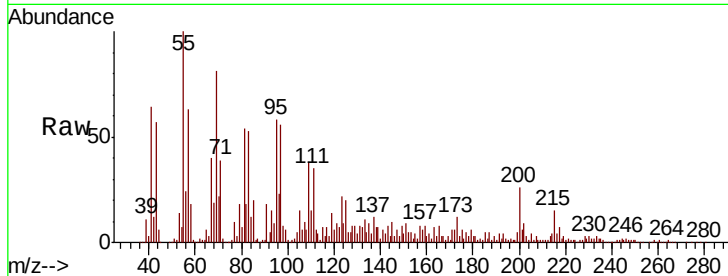
#69
Atrazine
Concen: 69.179 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.03 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	44.7	8.0	48.0
215	57.5	27.1	67.1

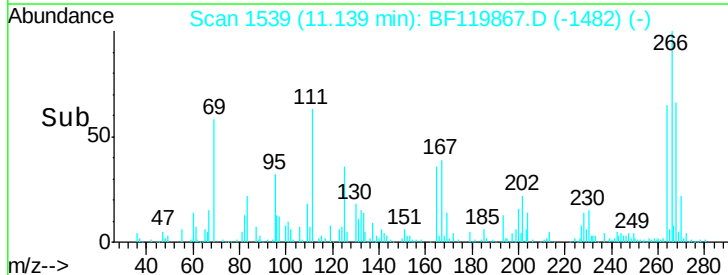
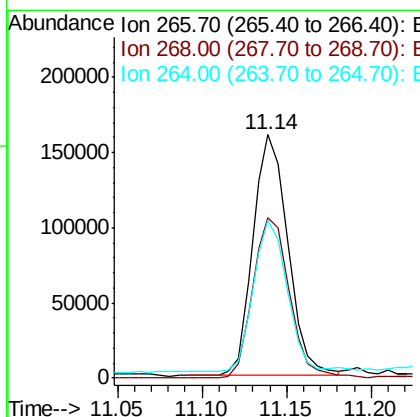
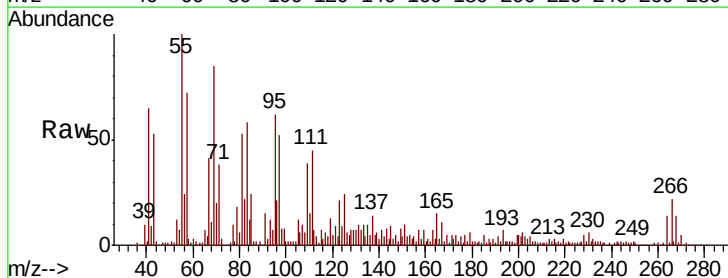
Manual Integrations
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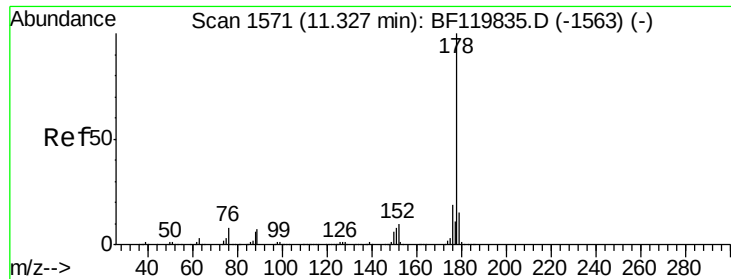
mohammad
4/10/2020 9:57:32 AM



#70
Pentachlorophenol
Concen: 95.364 ng
RT: 11.14 min Scan# 1539
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.9	54.2	81.4
264	64.8	50.6	76.0





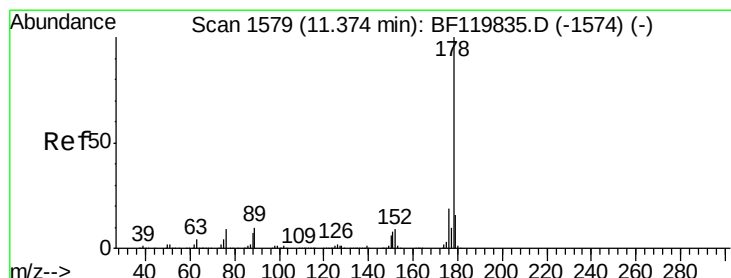
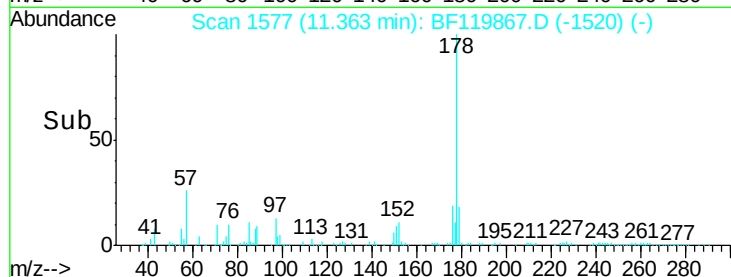
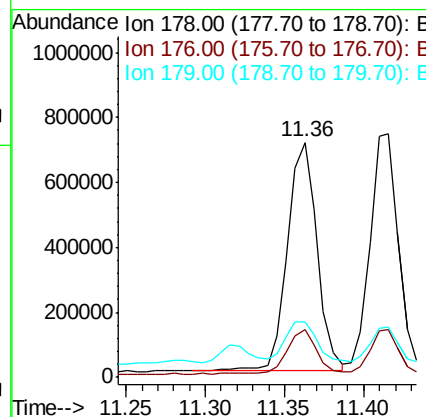
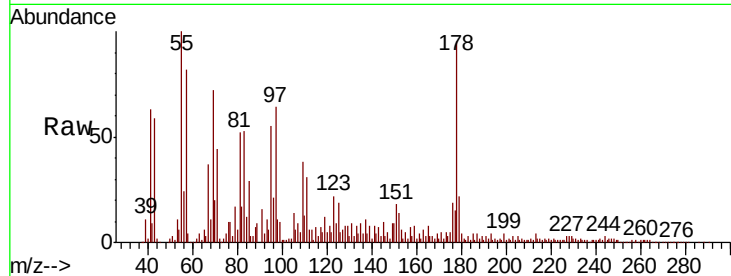
#71
Phenanthrene
Concen: 51.347 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.1	22.7
179	23.4	12.2	18.4

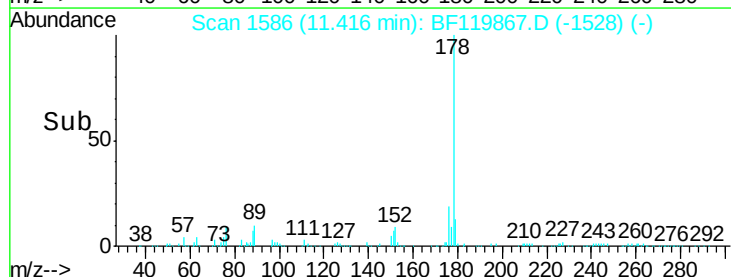
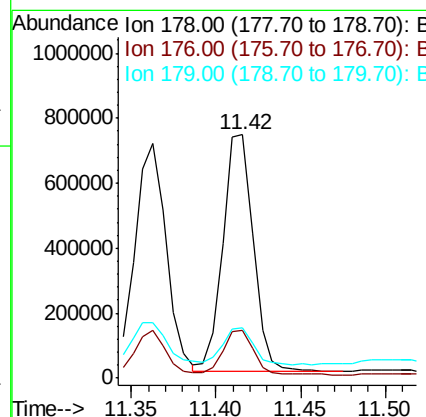
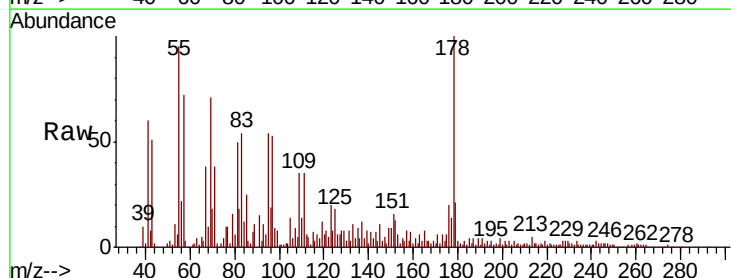
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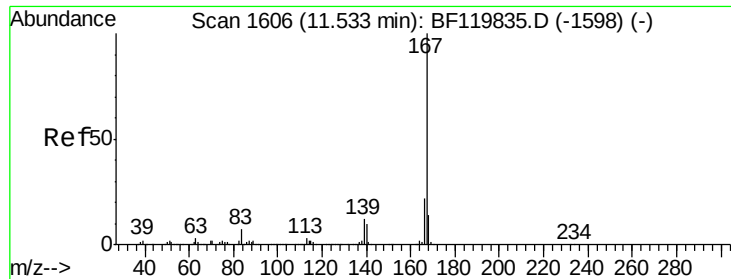
mohammad
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#72
Anthracene
Concen: 50.485 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	20.6	12.8	19.2





#73

Carbazole

Concen: 50.176 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.03 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

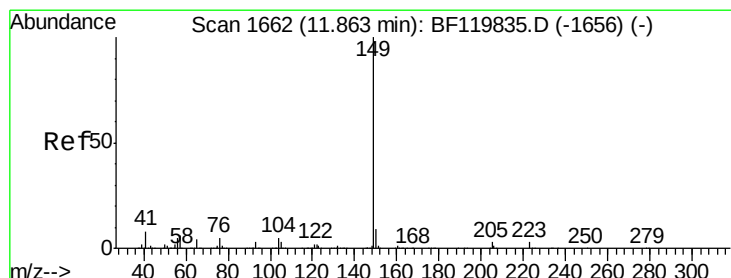
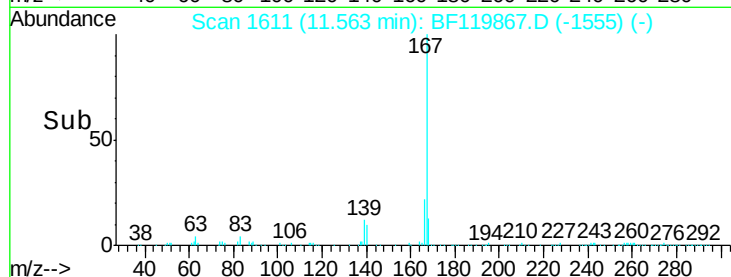
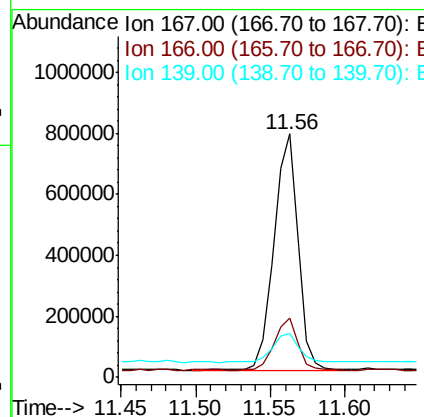
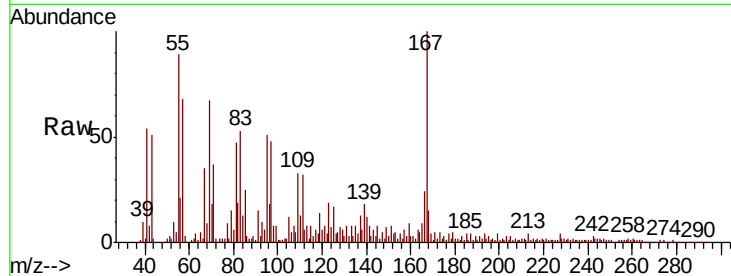
ClientSampleId :

72-11991MSD

Tot Ion:	167	Resp:	862492
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.4	26.0
139	18.1	9.8	14.8

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mohammad
4/10/2020 9:57:32 AM



#74

Di-n-butylphthalate

Concen: 51.080 ng

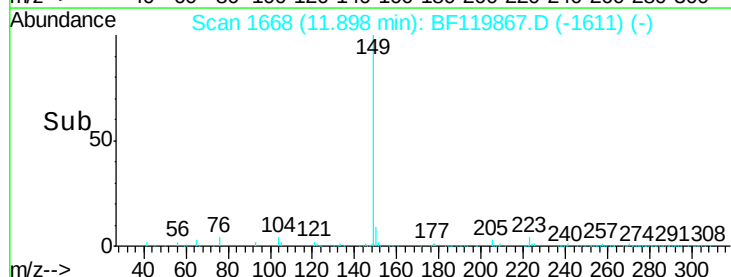
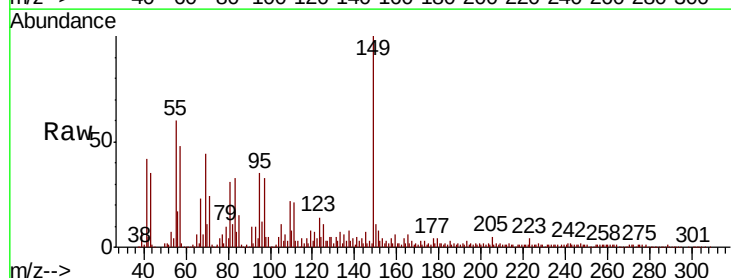
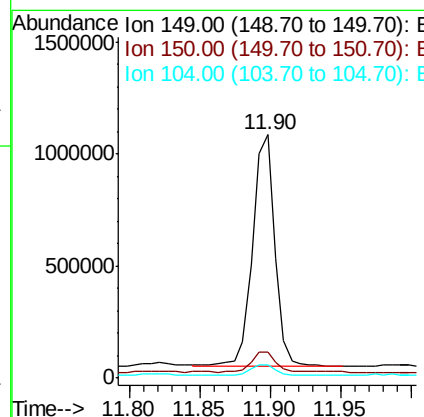
RT: 11.90 min Scan# 1668

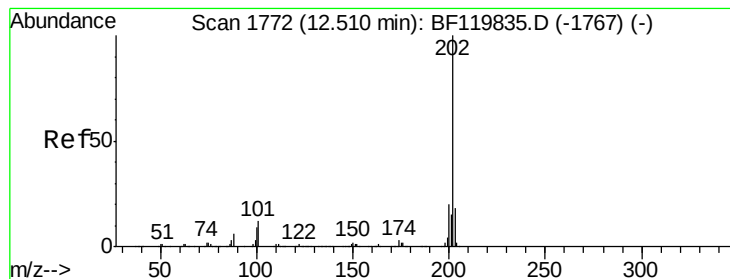
Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:	149	Resp:	1154252
Ion Ratio	Lower	Upper	
149	100		
150	10.8	7.6	11.4
104	5.4	3.8	5.6





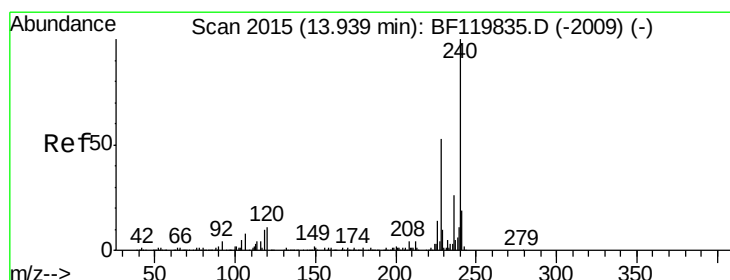
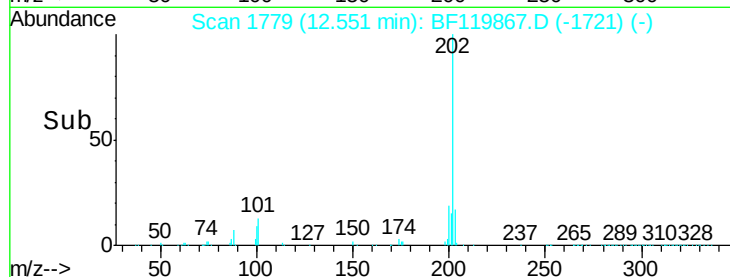
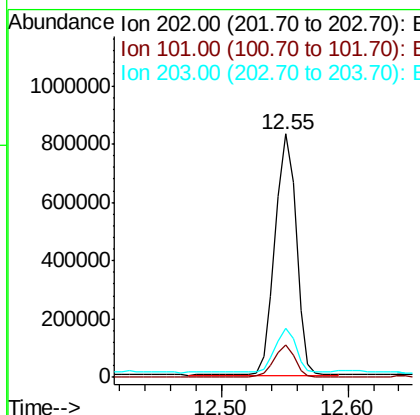
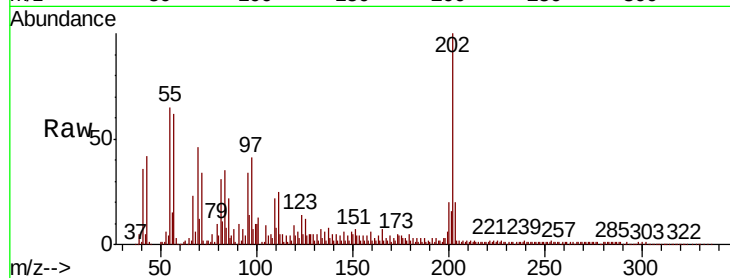
#75
Fluoranthene
Concen: 50.440 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	0.0	32.3
203	20.0	0.0	37.6

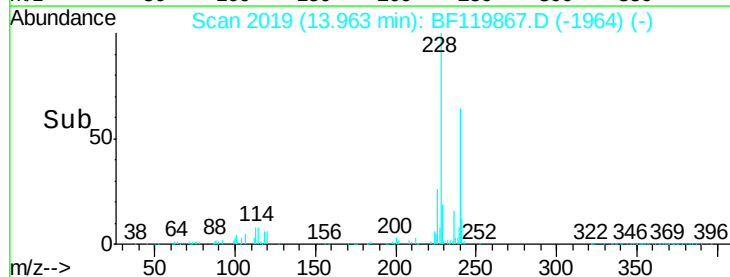
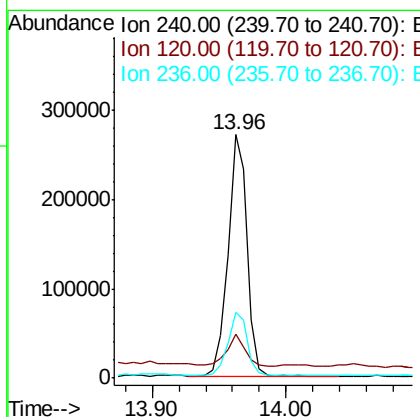
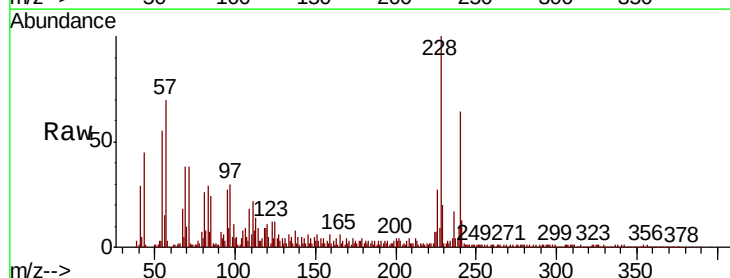
Manual Integrations
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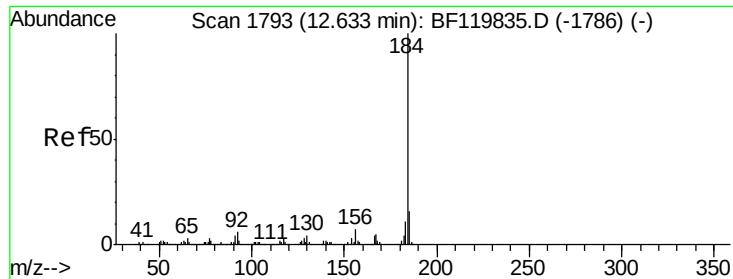
mohammad
4/10/2020 9:57:32 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.9	9.0	13.6#
236	27.0	20.7	31.1





#77

Benzidine

Concen: 12.973 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.03 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

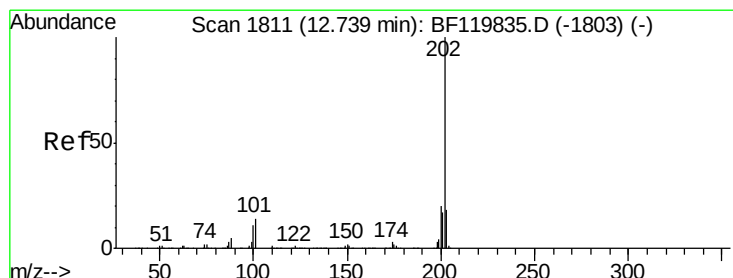
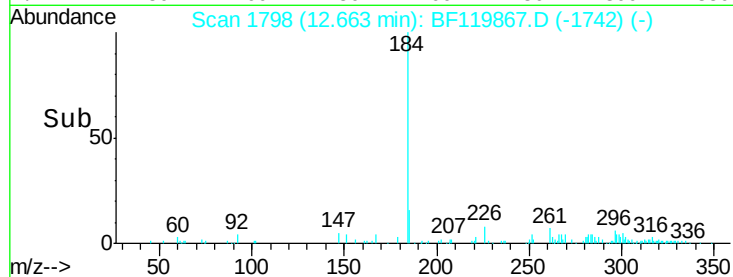
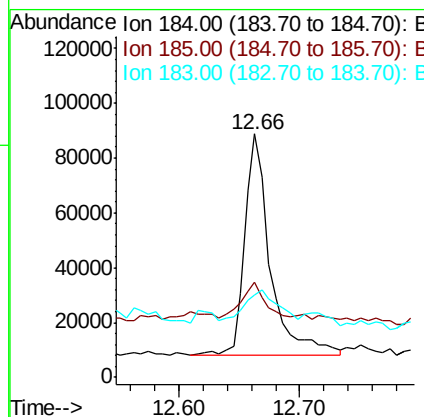
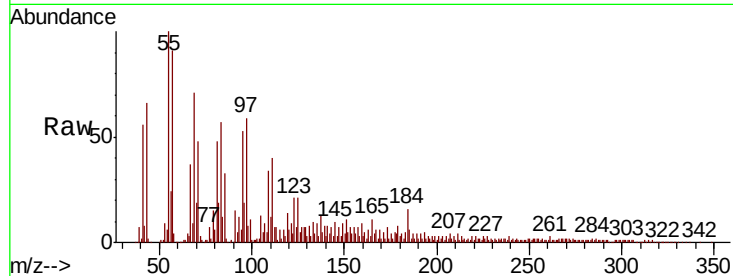
ClientSampleId :

72-11991MSD

Tot Ion:	184	Resp:	118785
Ion Ratio	Lower	Upper	
184	100		
185	39.0	13.2	19.8#
183	33.8	9.1	13.7#

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#78

Pyrene

Concen: 42.919 ng

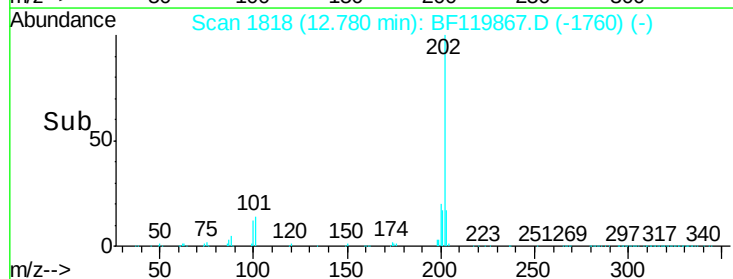
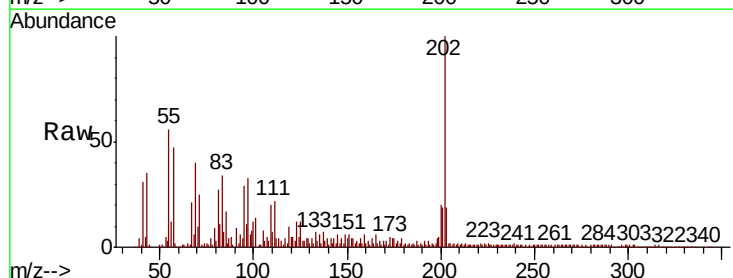
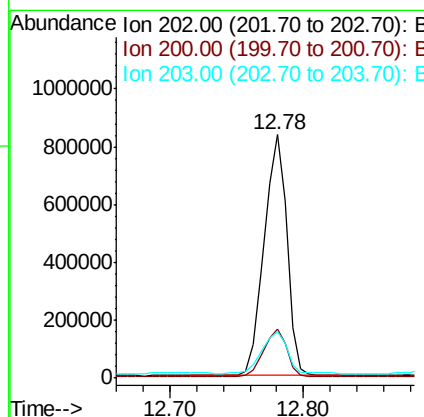
RT: 12.78 min Scan# 1818

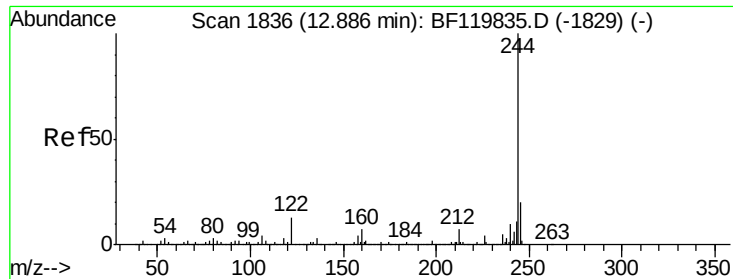
Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:	202	Resp:	980024
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.2
203	19.0	14.1	21.1





#79

Terphenyl-d14

Concen: 92.371 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:244 Resp: 1486933

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

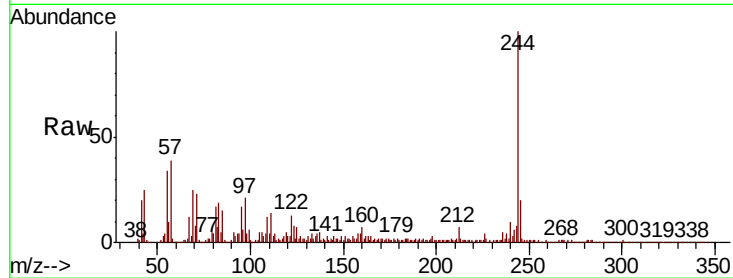
122 12.6 10.3 15.5

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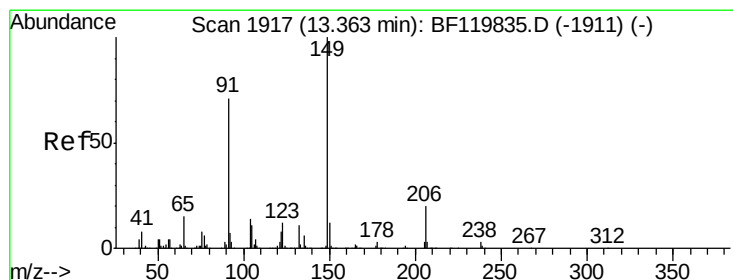
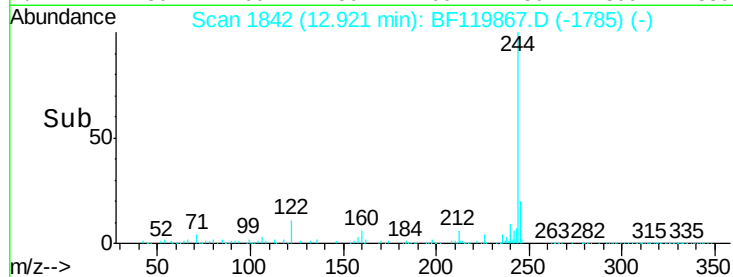
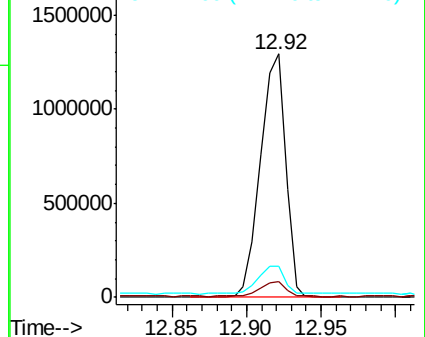
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.297 ng

RT: 13.39 min Scan# 1921

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

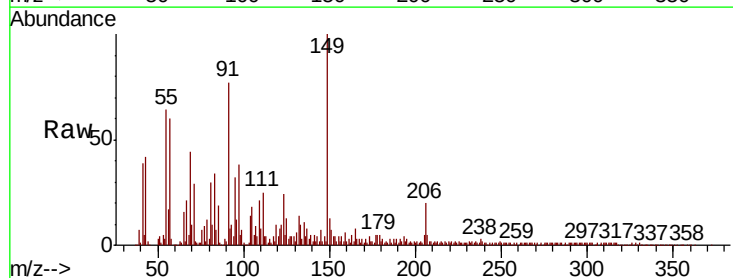
Tgt Ion:149 Resp: 490810

Ion Ratio Lower Upper

149 100

91 77.3 56.7 85.1

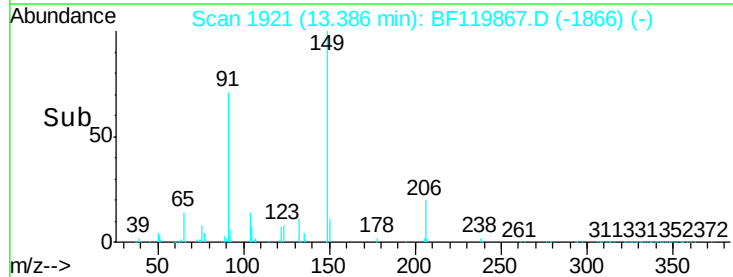
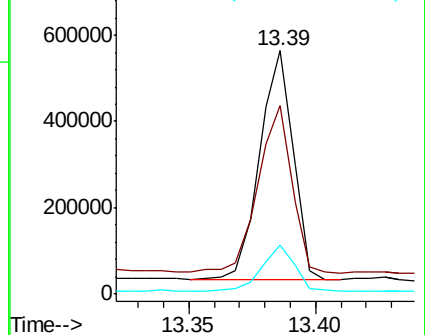
206 20.0 15.7 23.5

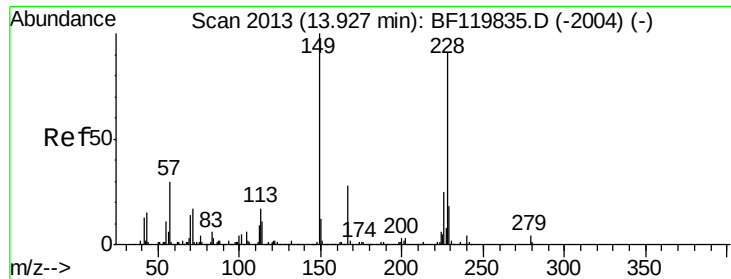


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





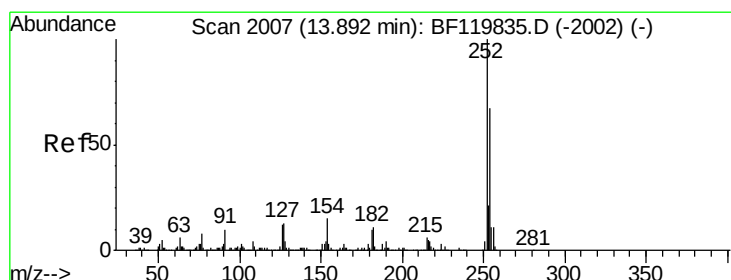
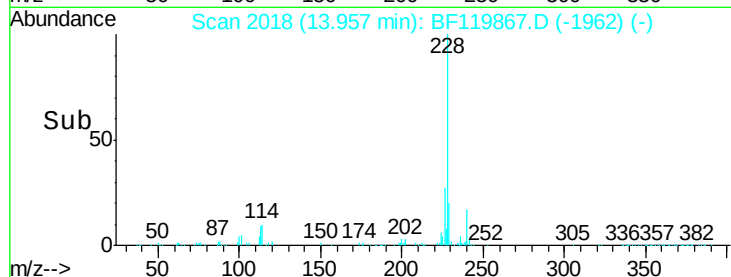
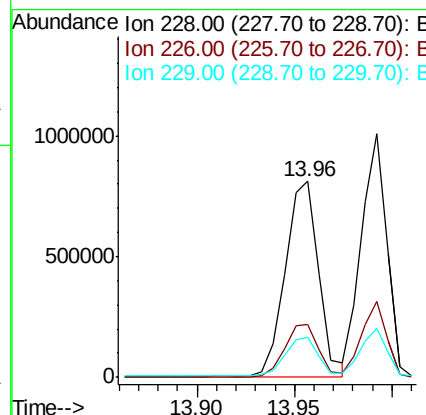
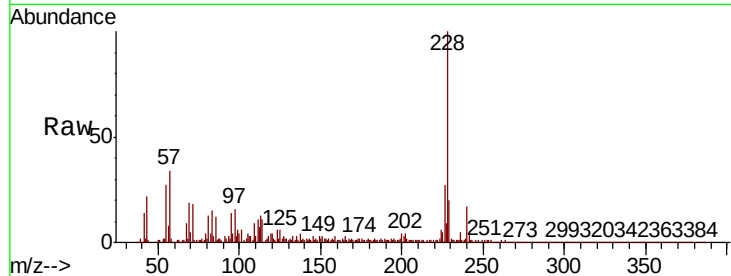
#81
Benzo(a)anthracene
Concen: 53.538 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.03 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampled :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.4	15.9	23.9

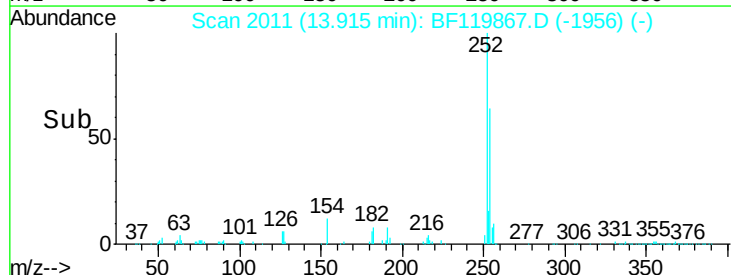
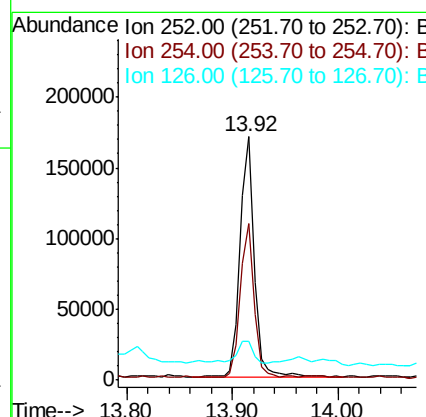
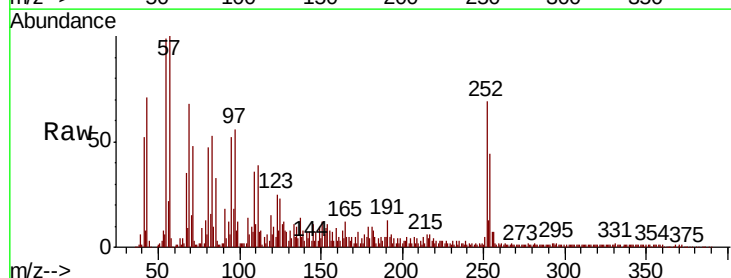
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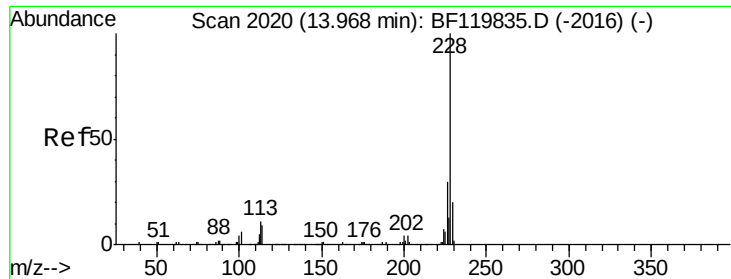
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#82
3,3'-Dichlorobenzidine
Concen: 23.625 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	53.9	80.9
126	15.8	9.7	14.5





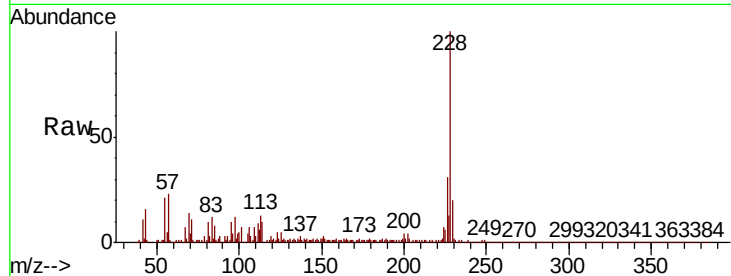
#83
Chrysene
Concen: 50.330 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

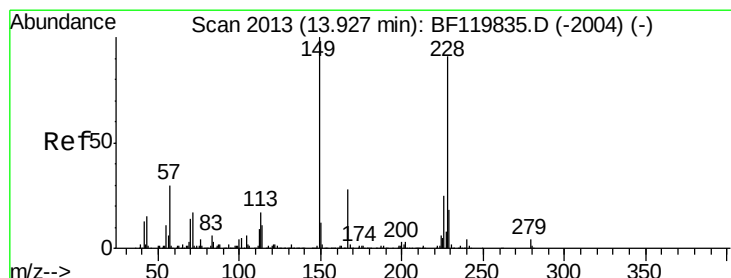
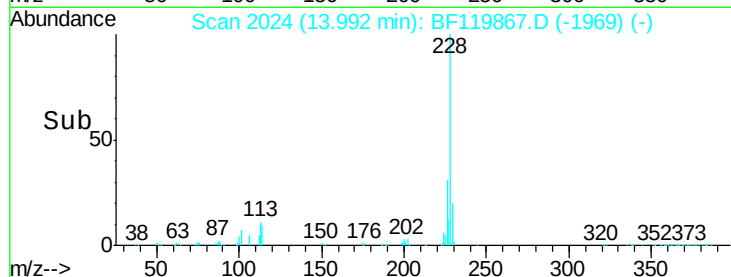
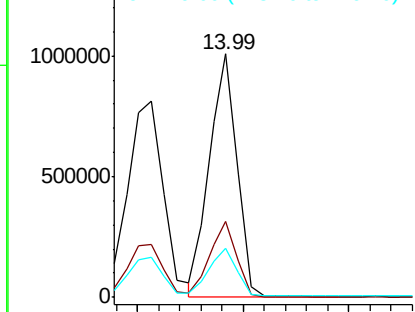
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.2	36.2
229	20.4	15.9	23.9

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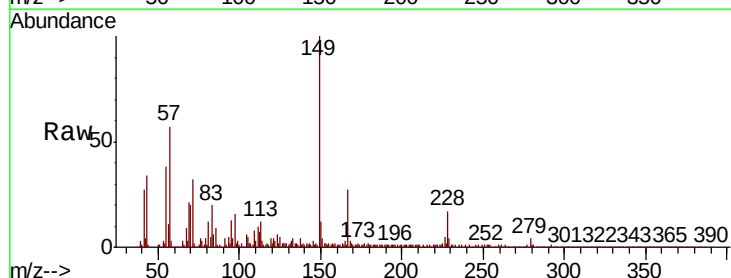


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

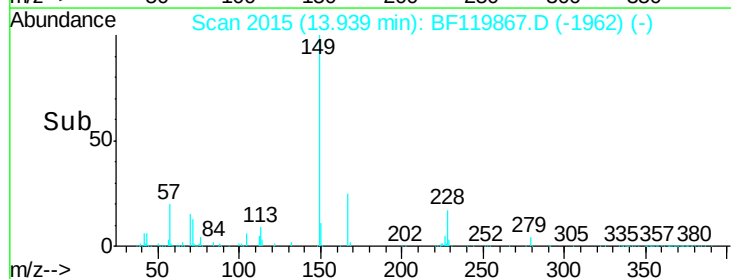
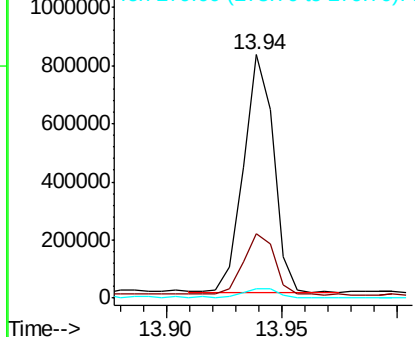


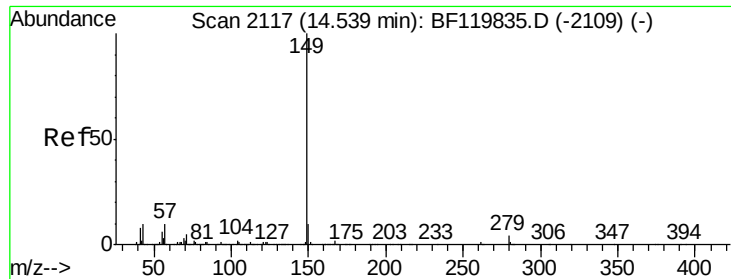
#84
Bis(2-ethylhexyl)phthalate
Concen: 49.760 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.2
279	4.0	3.4	5.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





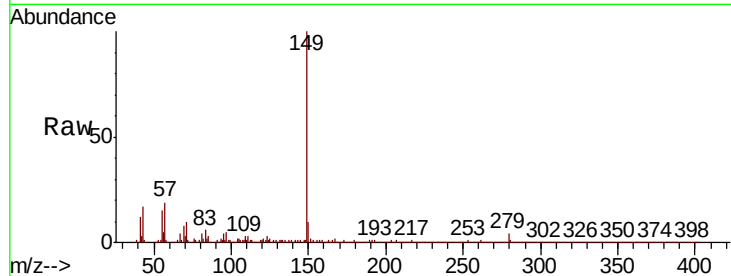
#85
Di-n-octyl phthalate
Concen: 51.942 ng
RT: 14.54 min Scan# 2118
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	14.8	9.2	13.8

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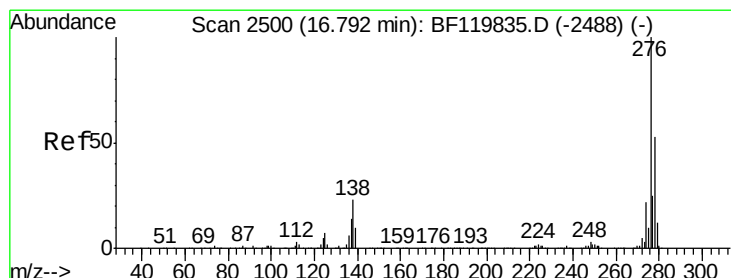
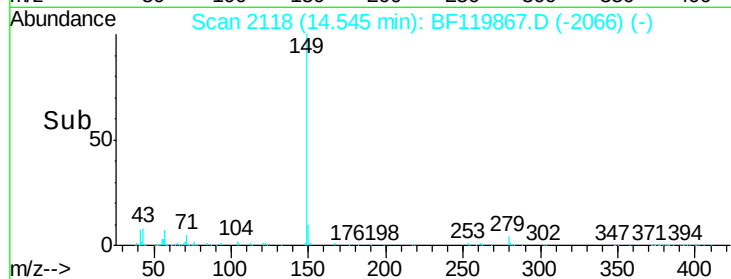
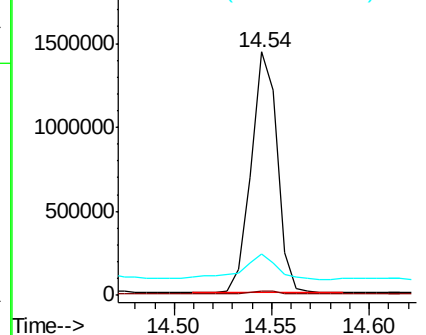


Abundance

Ion 149.00 (148.70 to 149.70): E

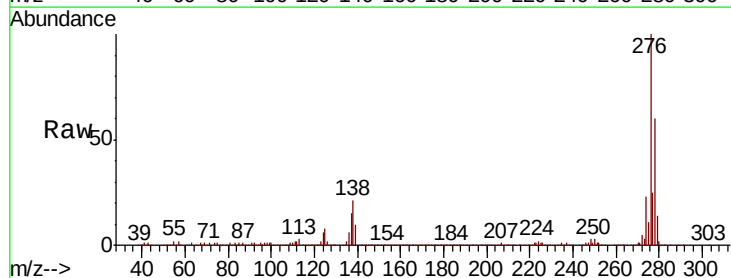
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 79.073 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.0	27.0
277	25.4	20.1	30.1

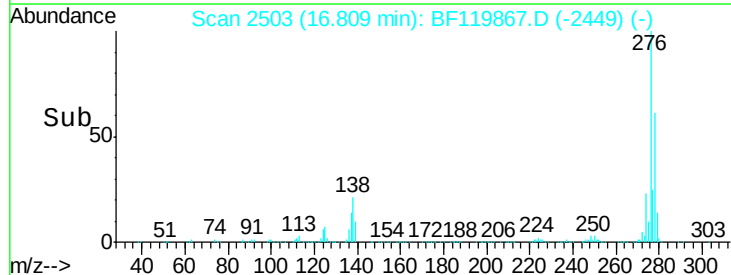
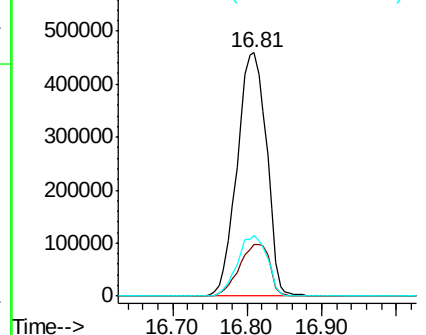


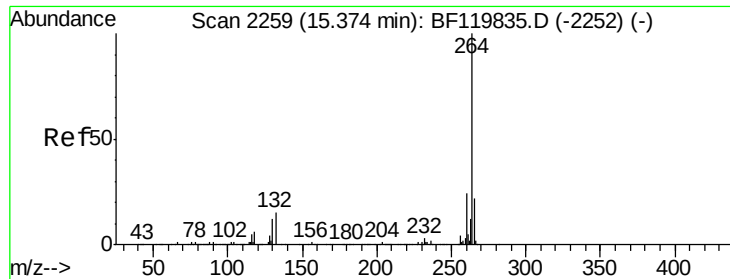
Abundance

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





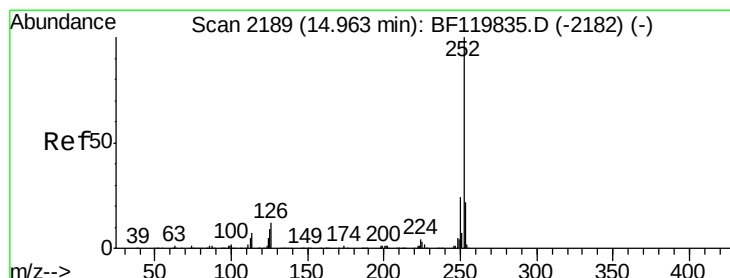
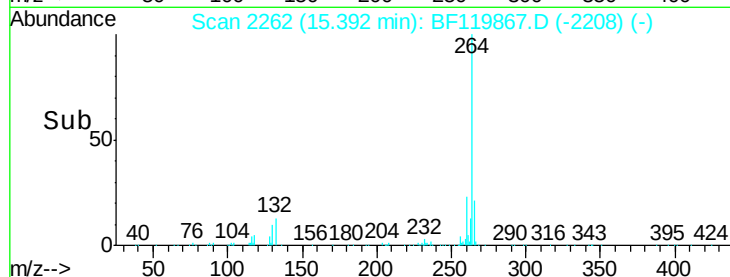
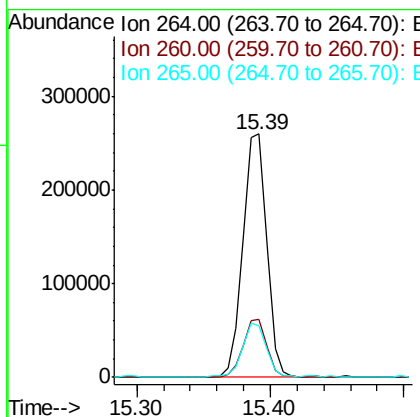
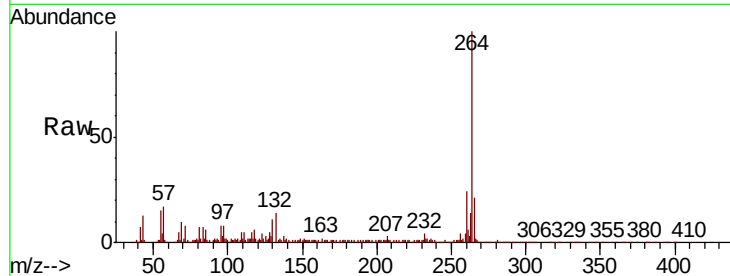
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.3	17.6	26.4

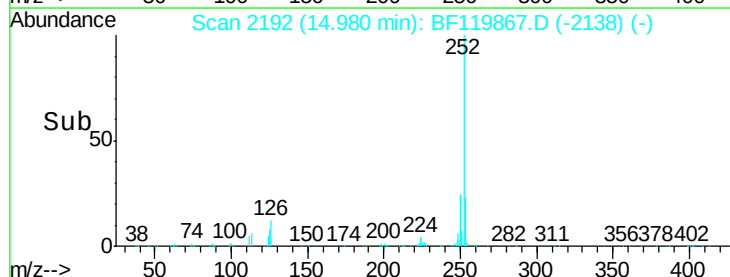
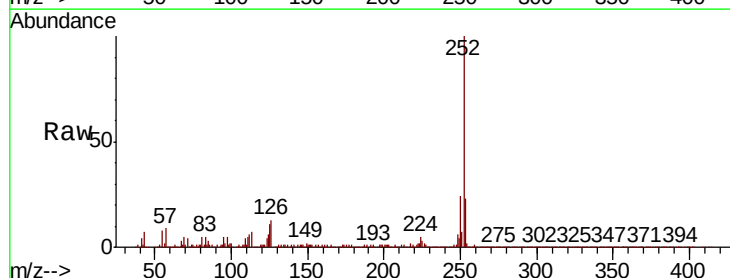
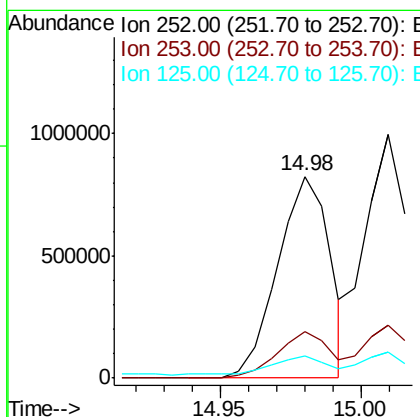
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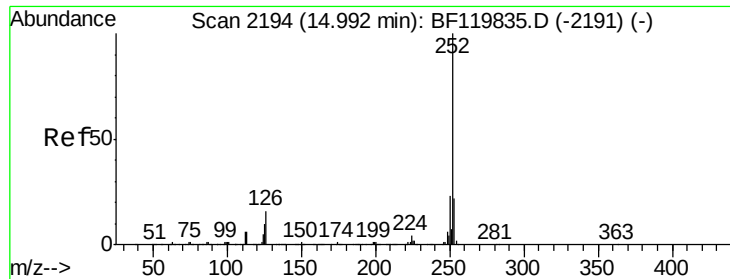
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#88
Benzo(b)fluoranthene
Concen: 46.384 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.1	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 51.445 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:252 Resp: 1016888

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

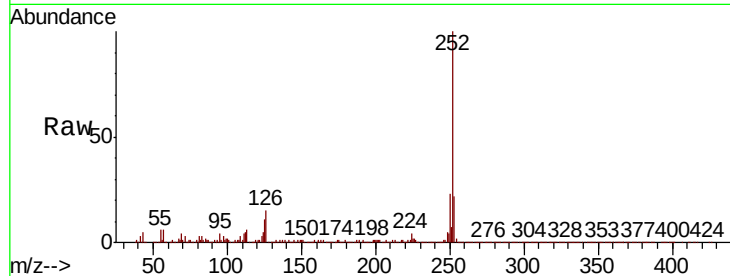
125 10.8 7.7 11.5

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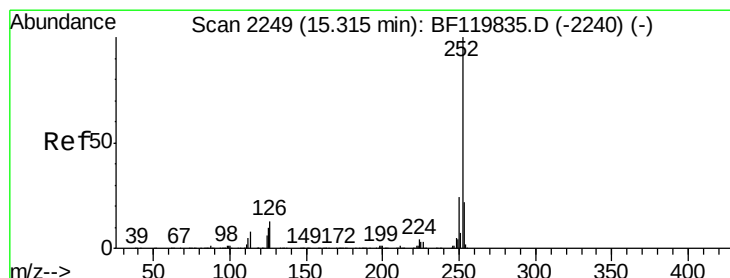
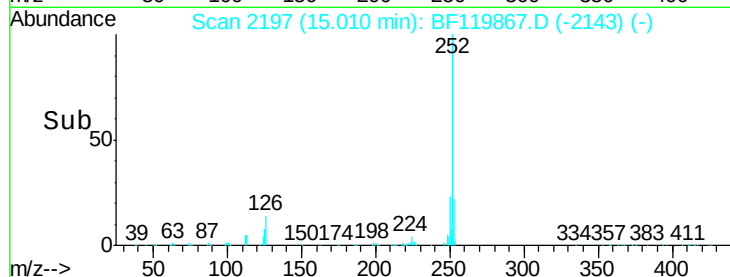
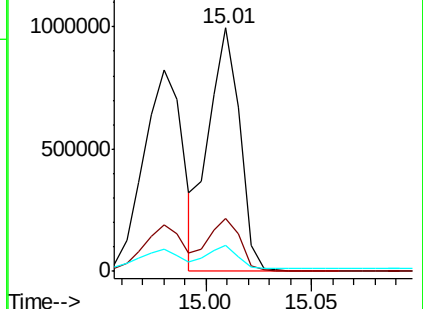
4/10/2020 9:57:32 AM



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



#90

Benzo(a)pyrene

Concen: 51.402 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:252 Resp: 990106

Ion Ratio Lower Upper

252 100

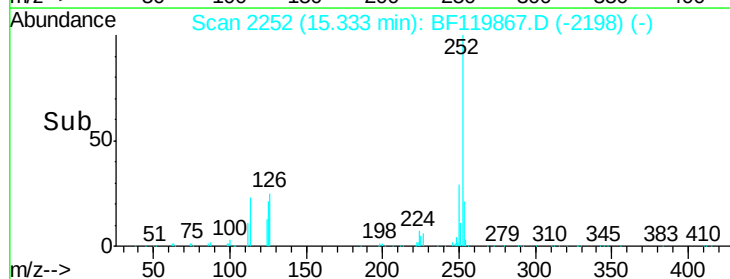
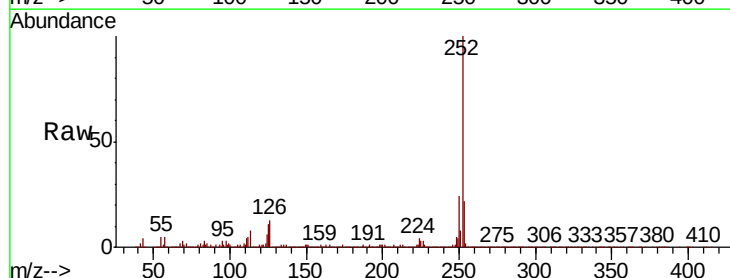
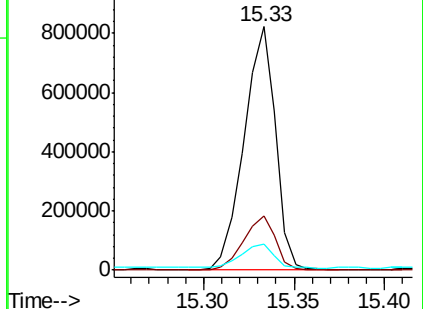
253 22.2 17.4 26.2

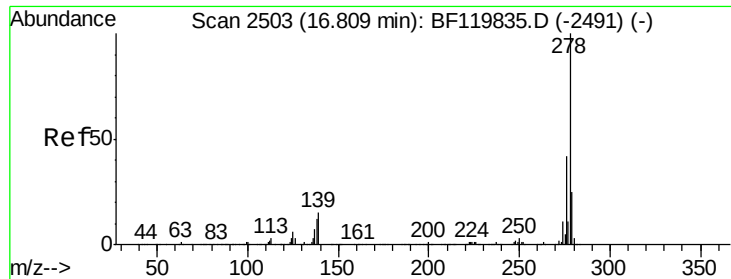
125 10.7 8.3 12.5

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





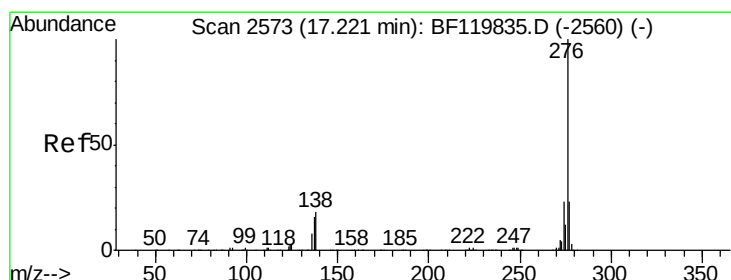
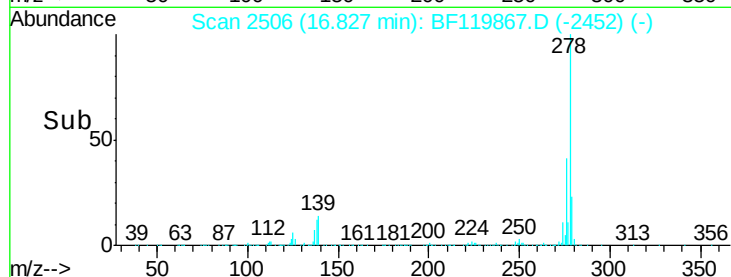
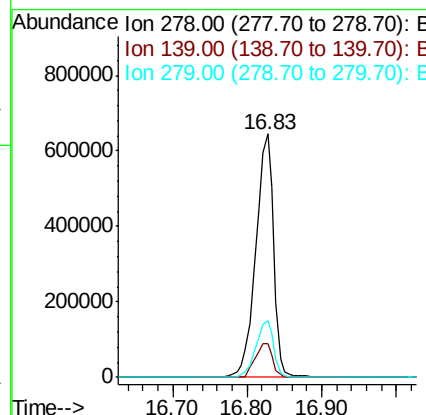
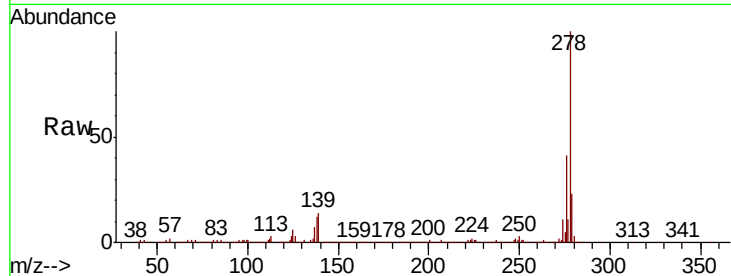
#91
Dibenzo(a,h)anthracene
Concen: 62.966 ng
RT: 16.83 min Scan# 2506
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:278 Resp: 1074350
Ion Ratio Lower Upper
278 100
139 14.0 11.6 17.4
279 23.4 19.7 29.5

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#92
Benzo(g,h,i)perylene
Concen: 63.957 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:276 Resp: 1077175
Ion Ratio Lower Upper
276 100
277 23.3 18.5 27.7
138 18.4 14.6 22.0

