

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113056.D
 Acq On : 14 Mar 2019 18:14
 Operator : JU/SJ
 Sample : K1899-01DL2 100X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL2

Quant Time: Mar 15 06:44:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	162420	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	663877	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	330351	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	723862	20.00	ng	0.00
76) Chrysene-d12	13.86	240	695365	20.00	ng	0.00
87) Perylene-d12	15.27	264	651179	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	5152	0.49	ng	0.00
7) Phenol-d6	6.37	99	4329	0.33	ng	0.00
23) Nitrobenzene-d5	7.28	82	10899	0.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	6715	1.91	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	28080	-1.00	ng	-0.01
79) Terphenyl-d14	12.82	244	35778	1.00	ng	0.00

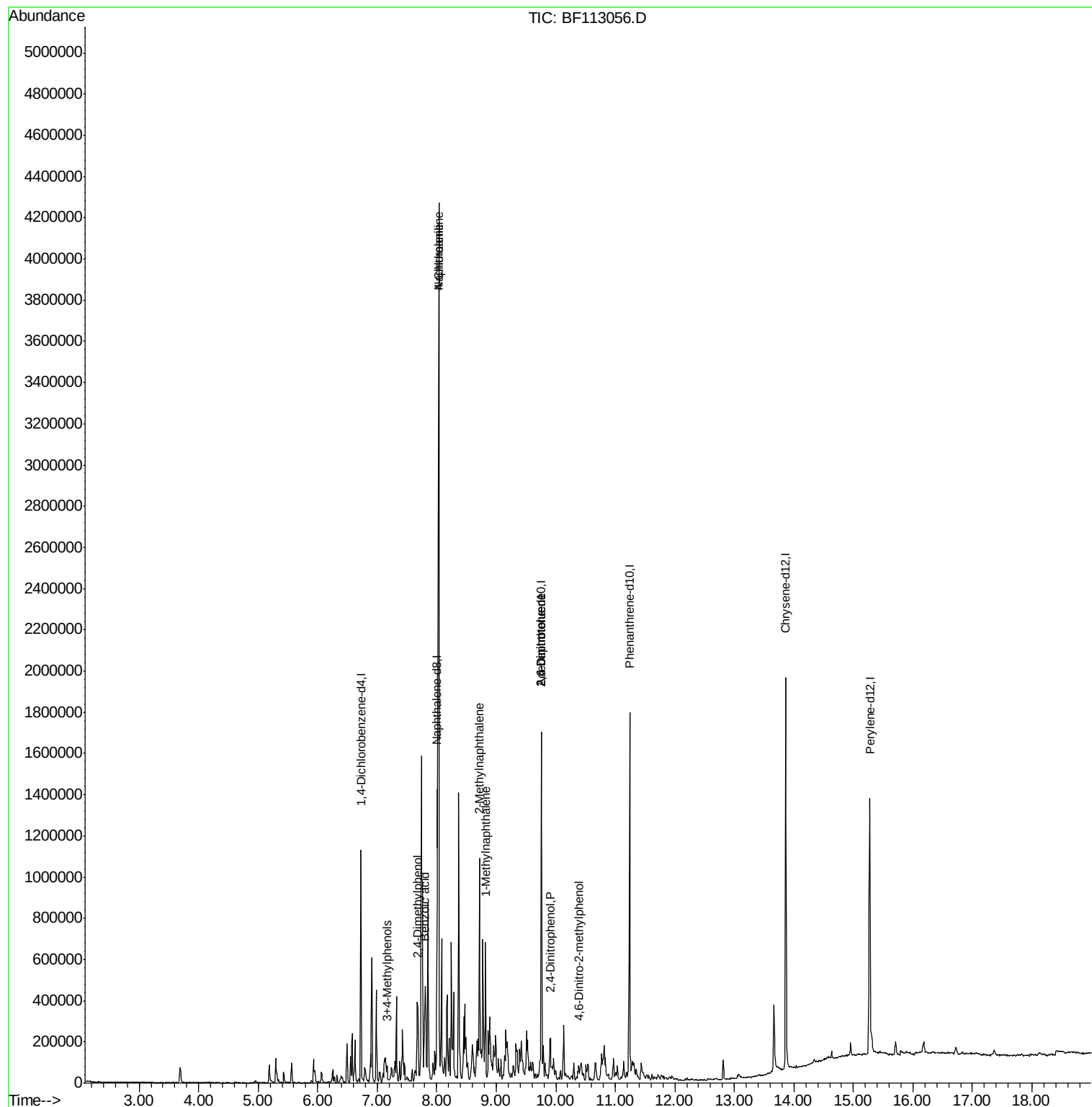
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.16	107	27387	2.573	ng	# 31
27) 2,4-Dimethylphenol	7.67	122	82668	8.645	ng	98
31) Naphthalene	8.03	128	1903092	57.740	ng	100
32) Benzoic acid	7.80	122	89153	13.301	ng	# 12
33) 4-Chloroaniline	8.03	127	256162	18.349	ng	# 33
37) 2-Methylnaphthalene	8.72	142	269387	12.656	ng	99
38) 1-Methylnaphthalene	8.82	142	157946	7.660	ng	97
51) 2,6-Dinitrotoluene	9.76	165	42370	8.353	ng	# 18
54) 2,4-Dinitrophenol	9.91	184	1411	7.078	ng	# 1
57) 2,4-Dinitrotoluene	9.76	165	42370	6.720	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.38	198	455	4.751	ng	# 1

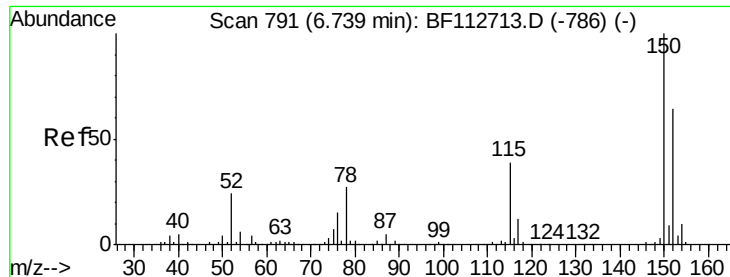
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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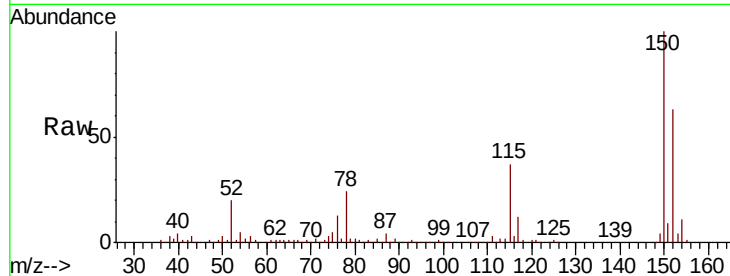


#1

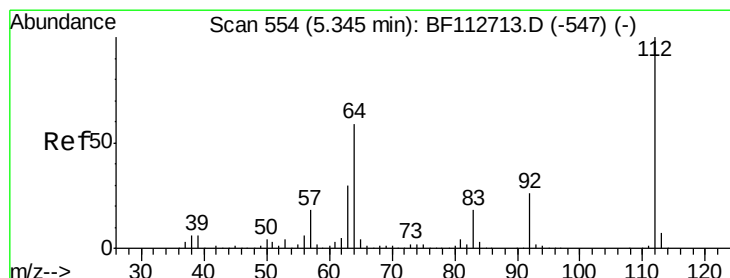
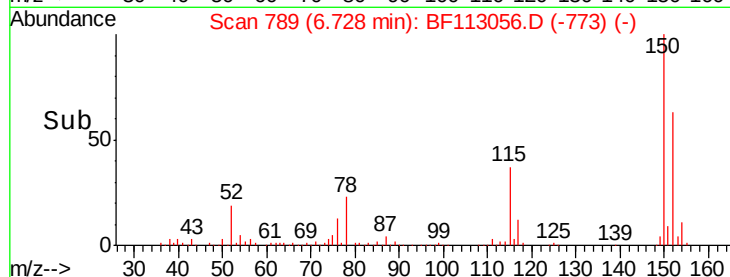
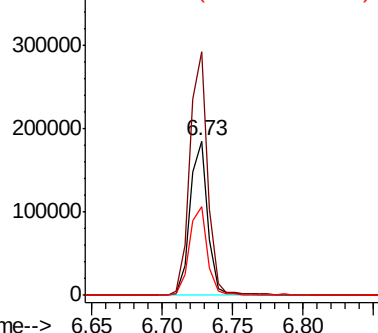
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion:152 Resp: 162420
Ion Ratio Lower Upper
152 100
150 157.6 124.2 186.2
115 57.6 48.2 72.4



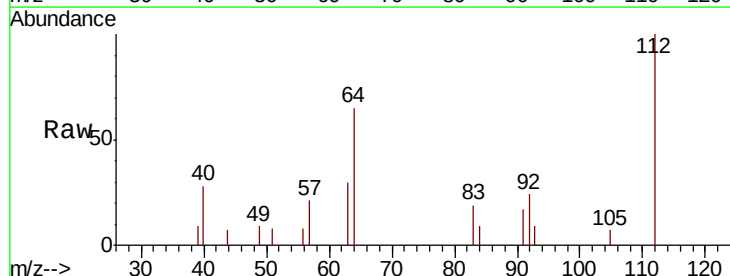
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



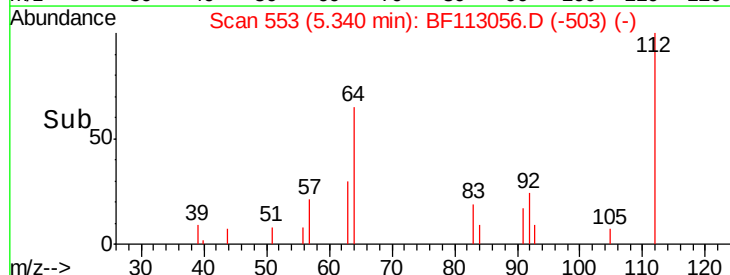
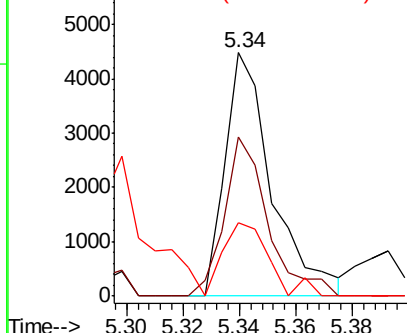
#5

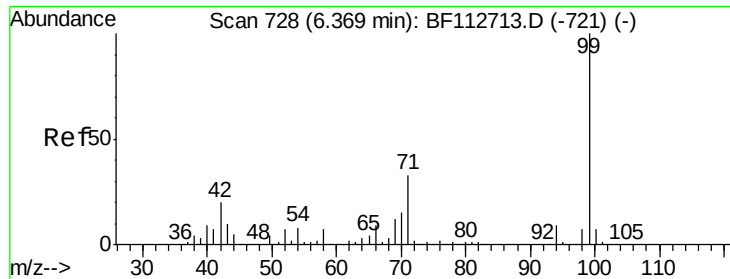
2-Fluorophenol
Concen: 0.493 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:112 Resp: 5152
Ion Ratio Lower Upper
112 100
64 65.5 47.6 71.4
63 30.0 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.330 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113056.D

Acq: 14 Mar 2019 18:14

Instrument :

BNA_F

ClientSampleId :

MW-1ADL2

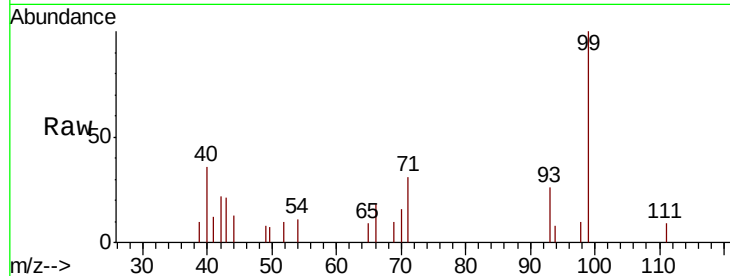
Tot Ion: 99 Resp: 4329

Ion Ratio Lower Upper

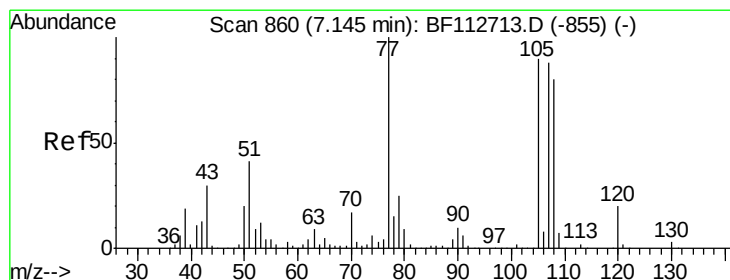
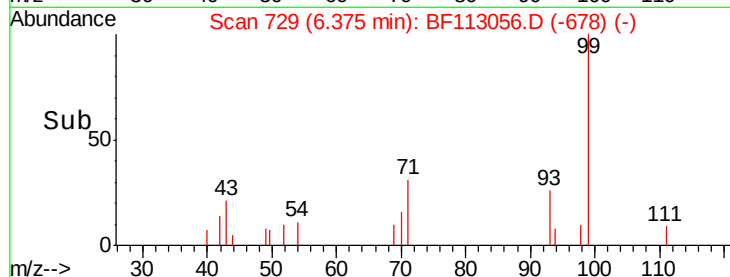
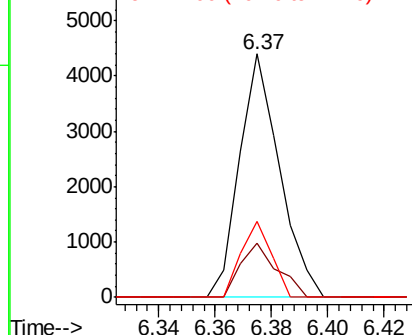
99 100

42 22.1 16.3 24.5

71 30.9 26.2 39.4



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



#20

3+4-Methylphenols

Concen: 2.573 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF113056.D

Acq: 14 Mar 2019 18:14

Tgt Ion: 107 Resp: 27387

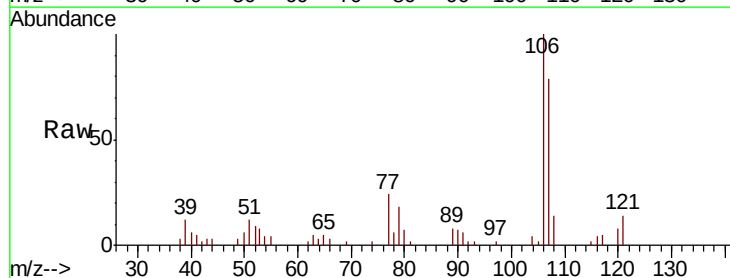
Ion Ratio Lower Upper

107 100

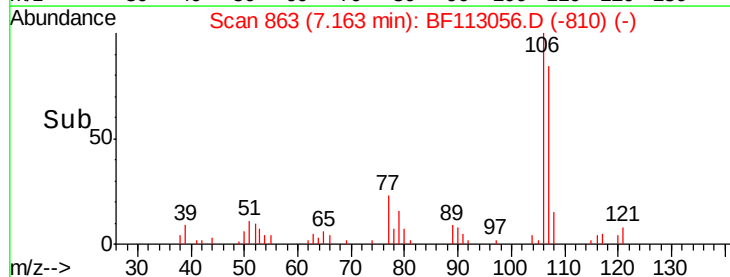
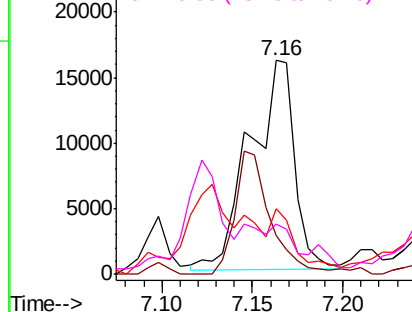
108 17.9 71.4 111.4#

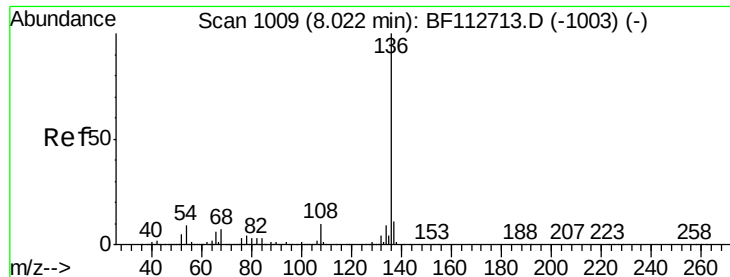
77 30.4 94.1 134.1#

79 23.1 8.6 48.6



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

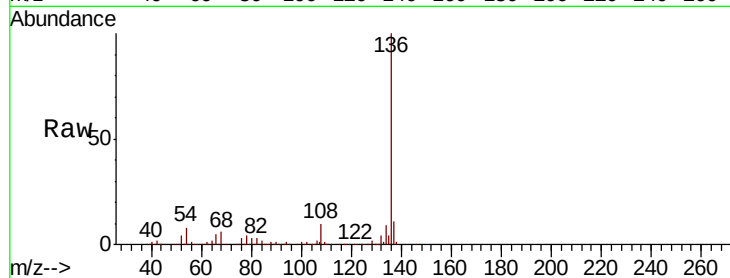




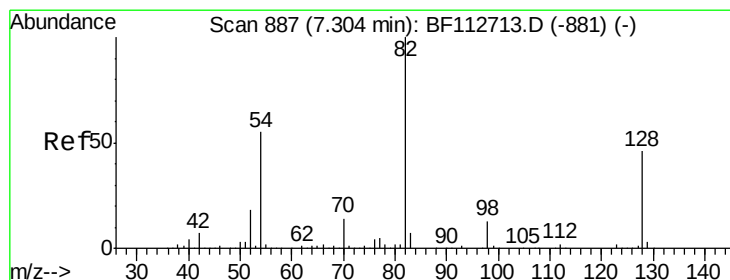
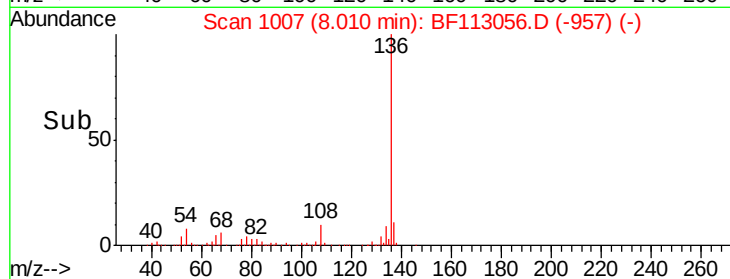
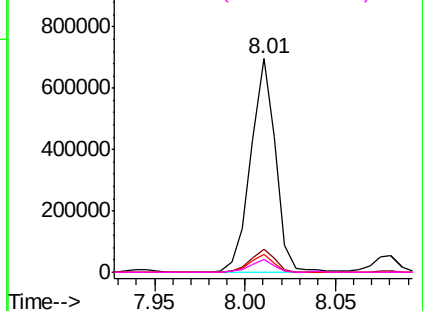
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion:136	Resp:	663877
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	8.2	7.3 10.9
68	5.9	5.4 8.2

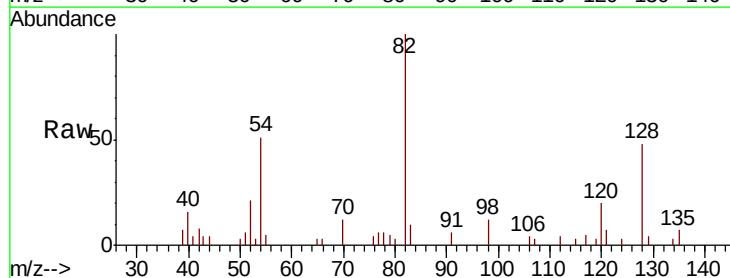


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

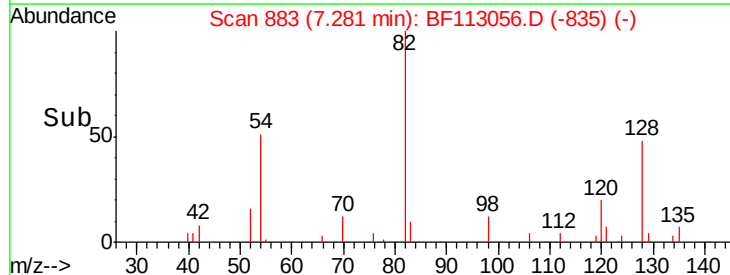
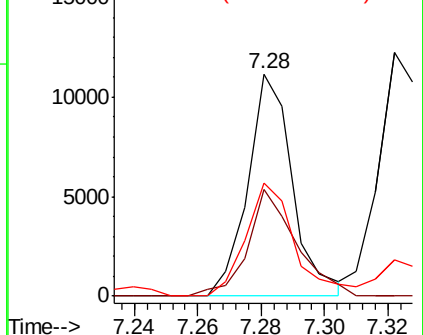


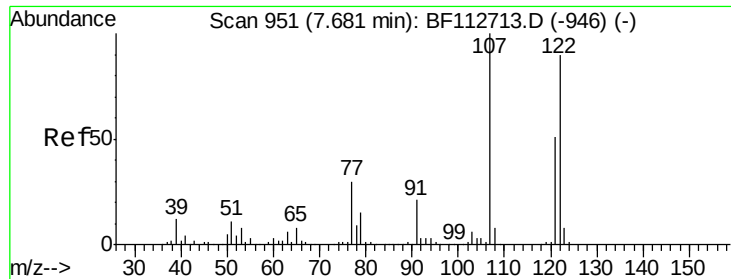
#23
Nitrobenzene-d5
Concen: 0.982 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion: 82	Resp:	10899
Ion Ratio	Lower	Upper
82	100	
128	48.3	36.3 54.5
54	51.0	43.7 65.5



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

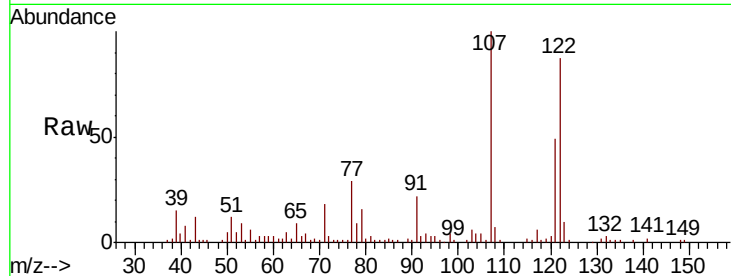




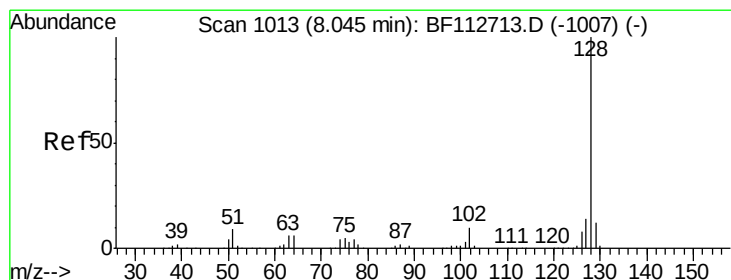
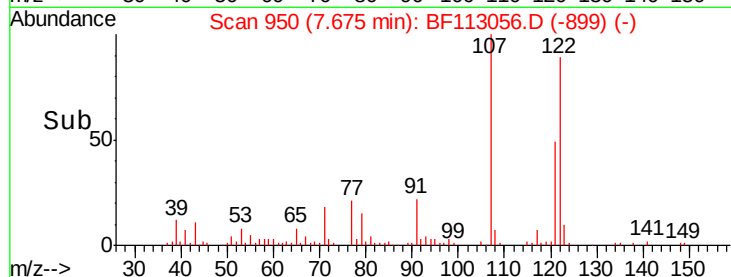
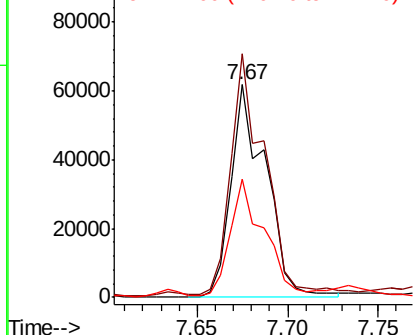
#27
2,4-Dimethylphenol
Concen: 8.645 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.00 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion:122 Resp: 82668
Ion Ratio Lower Upper
122 100
107 114.7 89.4 134.0
121 55.7 45.5 68.3

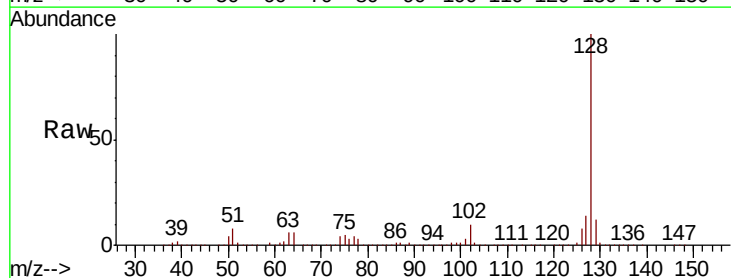


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

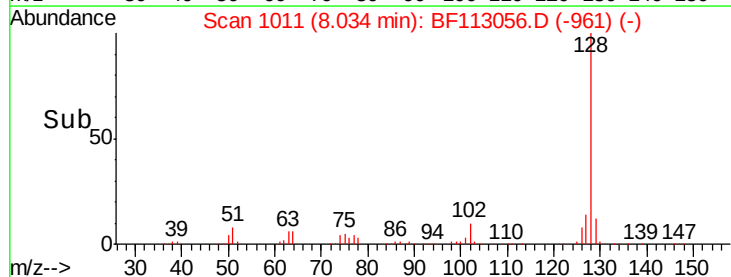
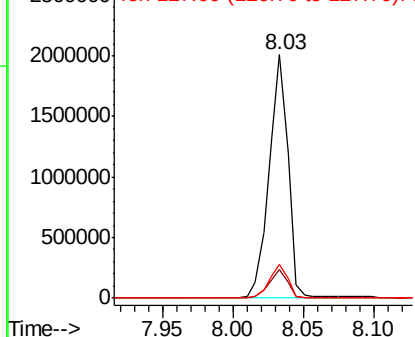


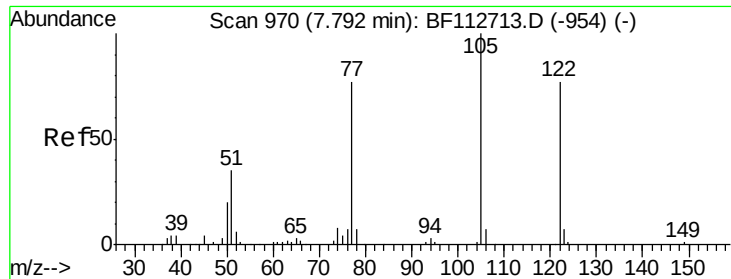
#31
Naphthalene
Concen: 57.740 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:128 Resp: 1903092
Ion Ratio Lower Upper
128 100
129 11.9 9.3 13.9
127 13.7 10.9 16.3



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

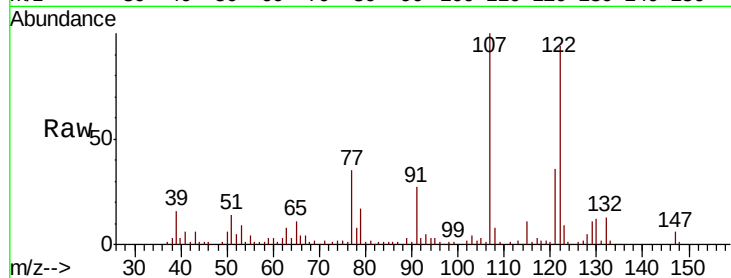




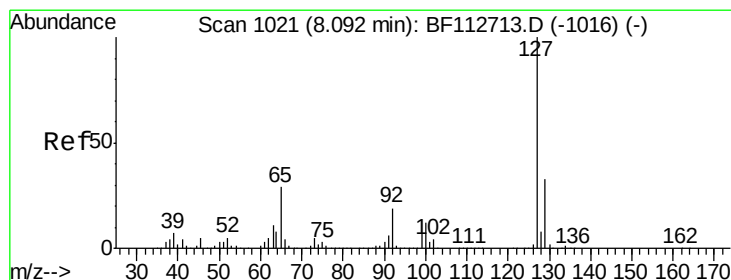
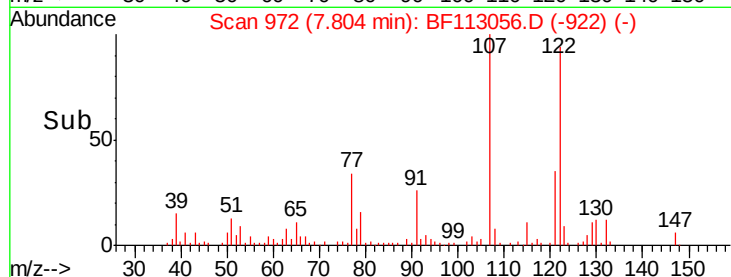
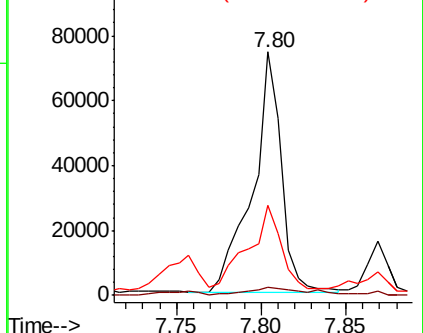
#32
Benzoic acid
Concen: 13.301 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion:122 Resp: 89153
Ion Ratio Lower Upper
122 100
105 3.5 106.8 146.8#
77 36.9 79.4 119.4#

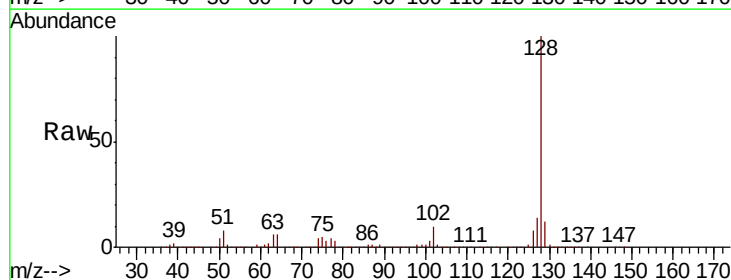


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

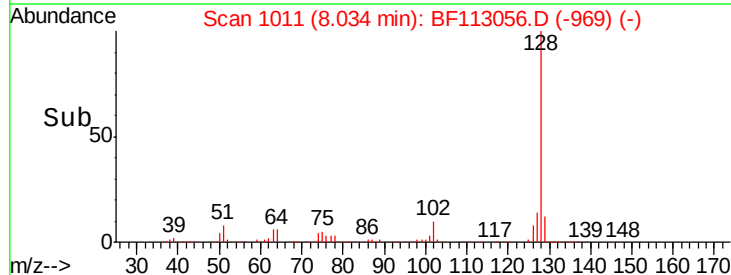
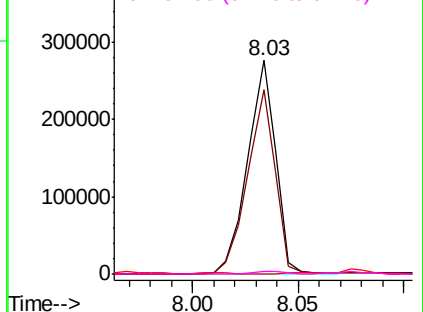


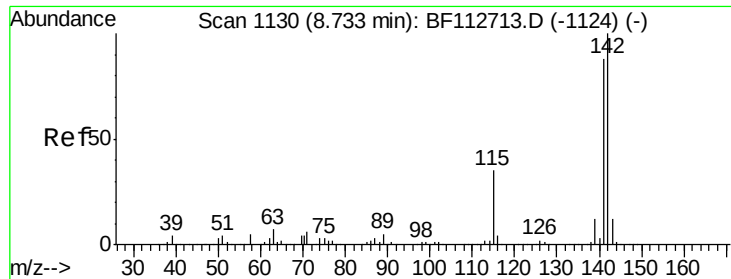
#33
4-Chloroaniline
Concen: 18.349 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:127 Resp: 256162
Ion Ratio Lower Upper
127 100
129 86.2 26.4 39.6#
65 0.0 23.1 34.7#
92 0.9 14.9 22.3#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

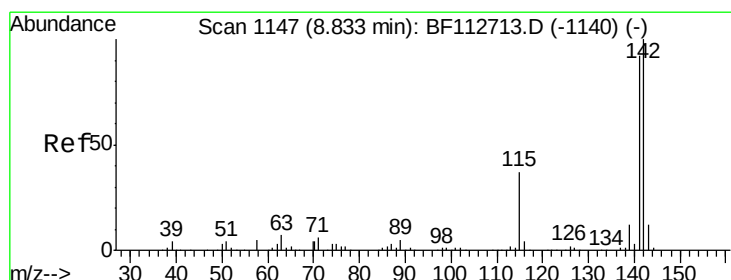
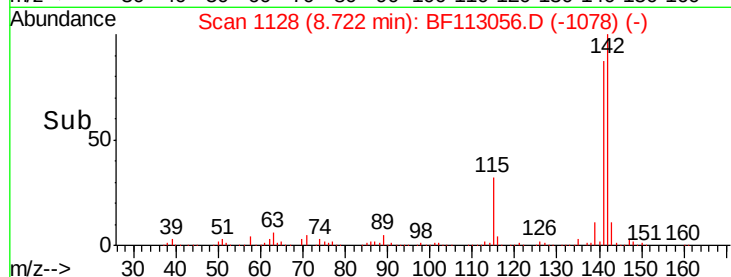
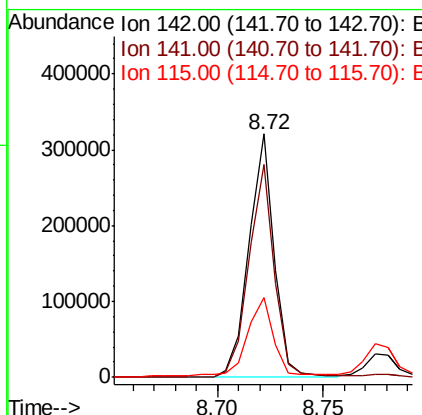
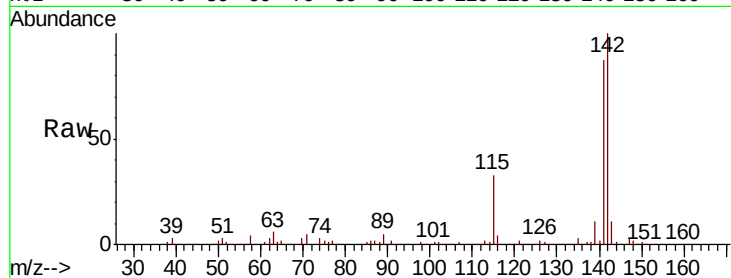




#37
2-Methylnaphthalene
Concen: 12.656 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

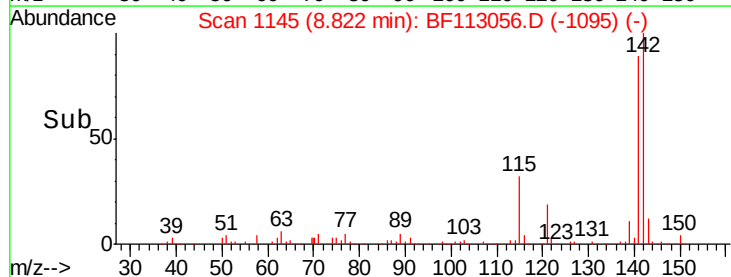
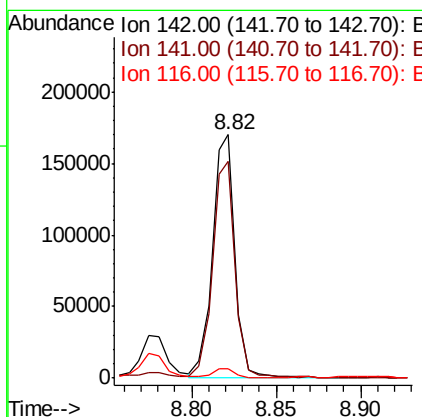
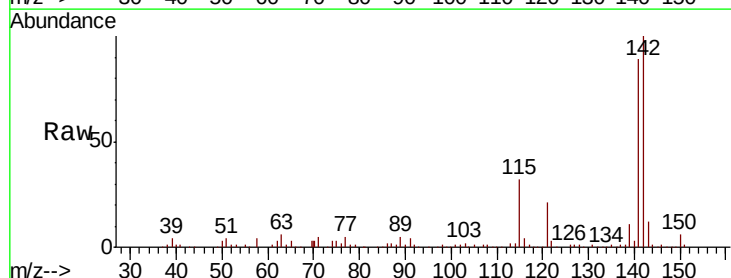
Instrument :
BNA_F
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MW-1ADL2

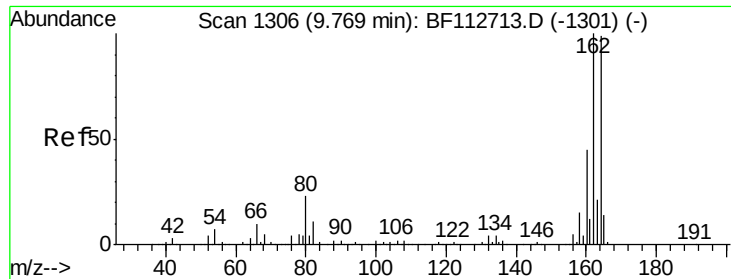
Tot Ion:142 Resp: 269387
Ion Ratio Lower Upper
142 100
141 87.4 70.3 105.5
115 32.6 27.8 41.6



#38
1-Methylnaphthalene
Concen: 7.660 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:142 Resp: 157946
Ion Ratio Lower Upper
142 100
141 89.1 73.7 110.5
116 3.6 3.1 4.7

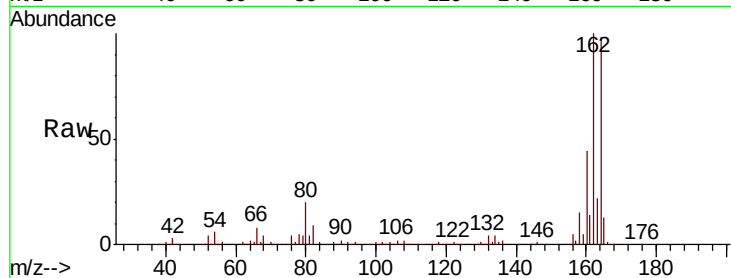




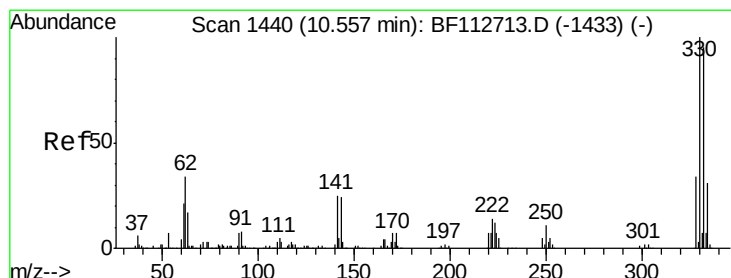
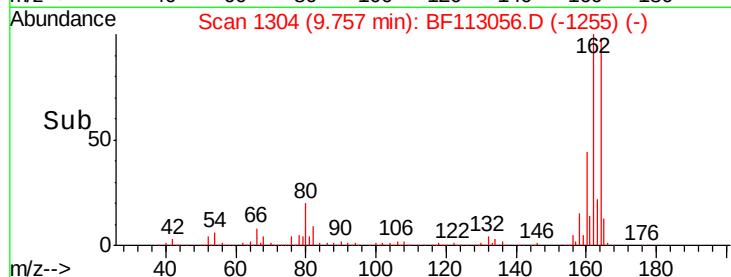
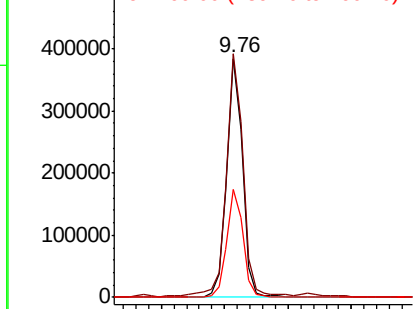
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion:164 Resp: 330351
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.2 36.0 54.0

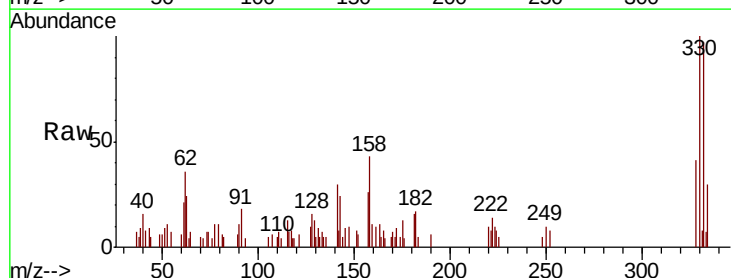


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

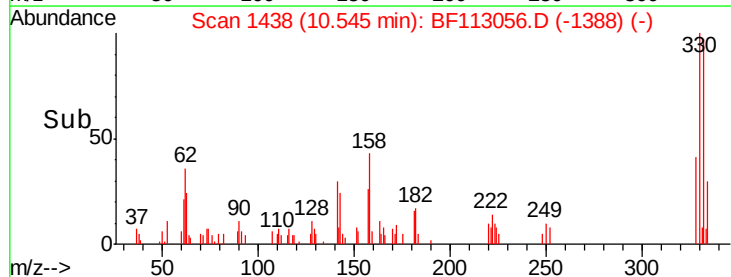
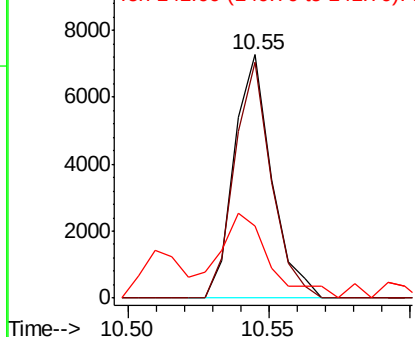


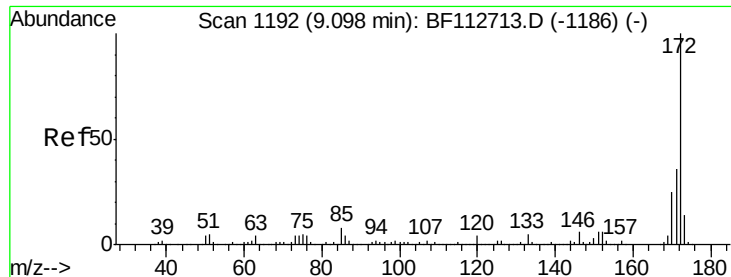
#42
2,4,6-Tribromophenol
Concen: 1.915 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:330 Resp: 6715
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 46.5 27.0 40.6#



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

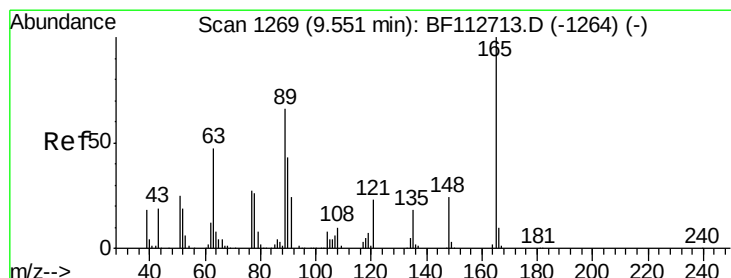
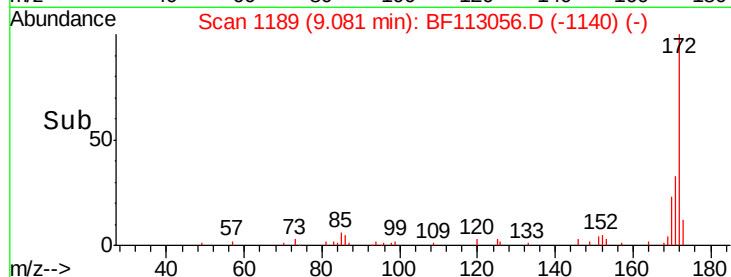
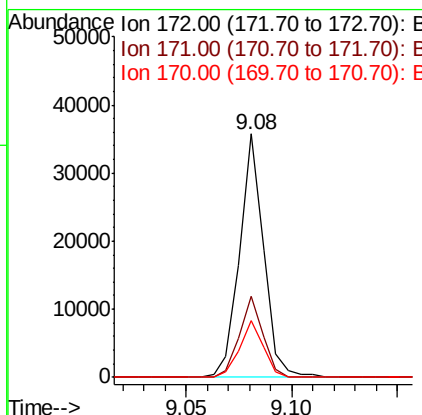
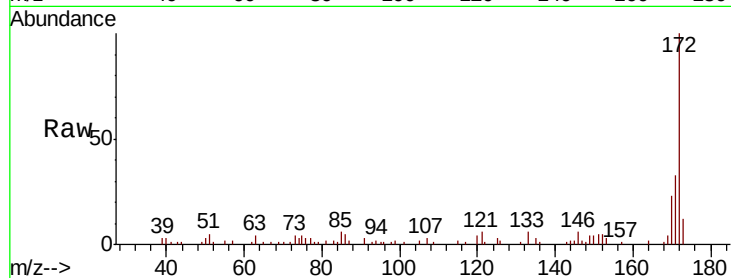




#45
2-Fluorobiphenyl
Concen: -1.000 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

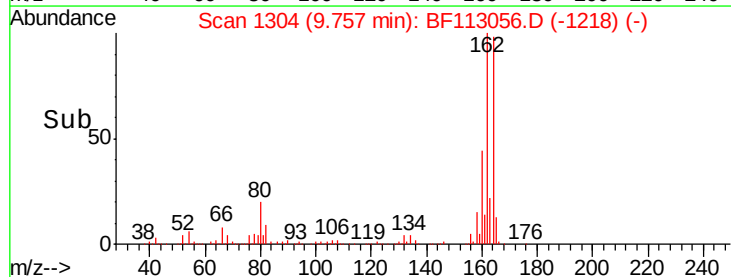
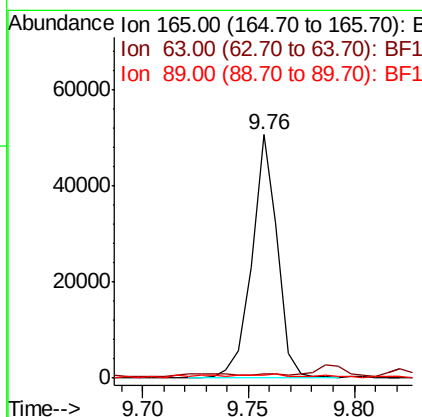
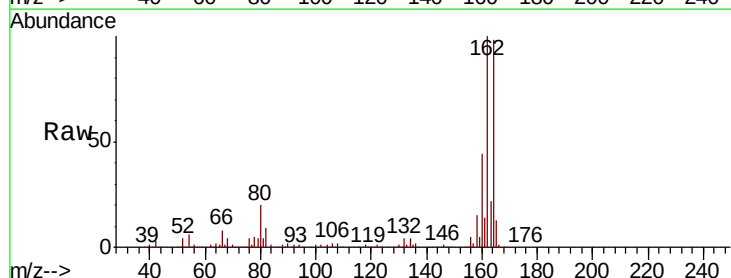
Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

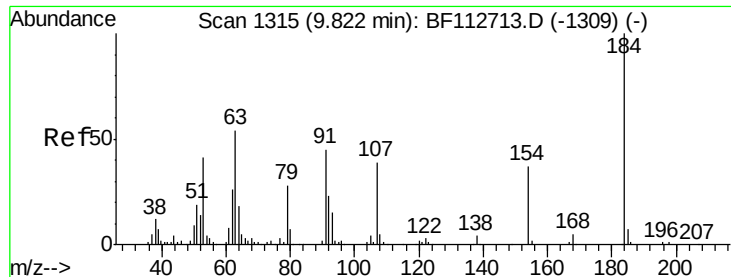
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.0	43.4
170	23.2	20.0	30.0



#51
2,6-Dinitrotoluene
Concen: 8.353 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	54.1	81.1#
89	1.4	52.8	79.2#

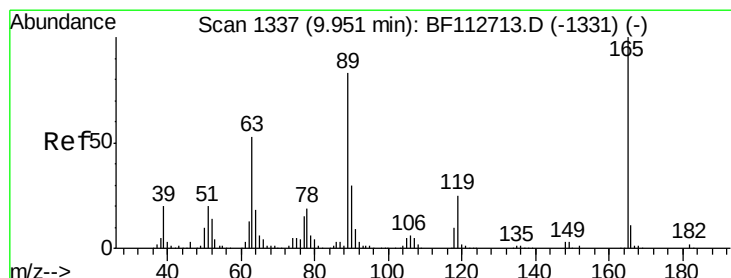
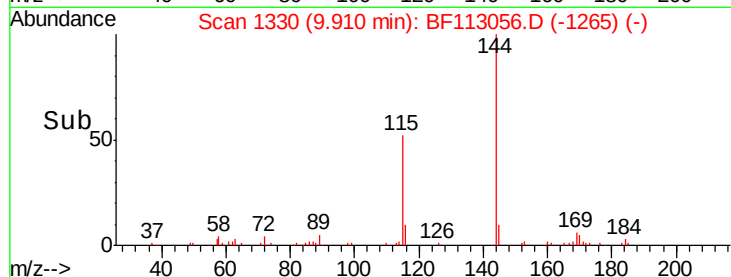
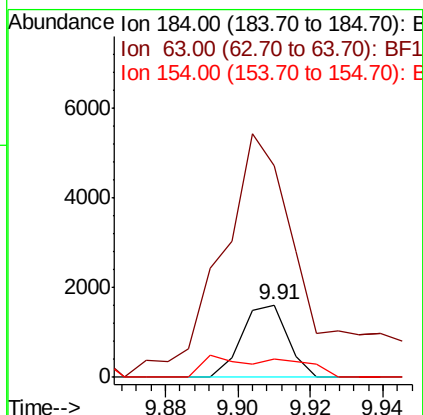
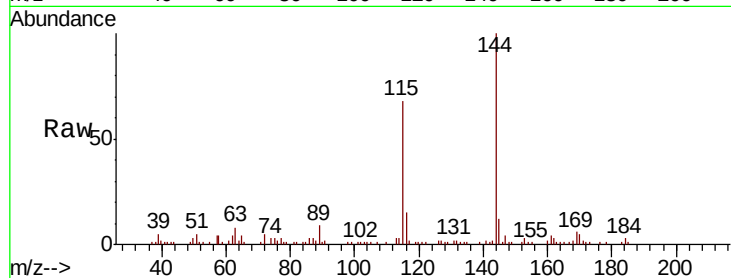




#54
2,4-Dinitrophenol
Concen: 7.078 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.08 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

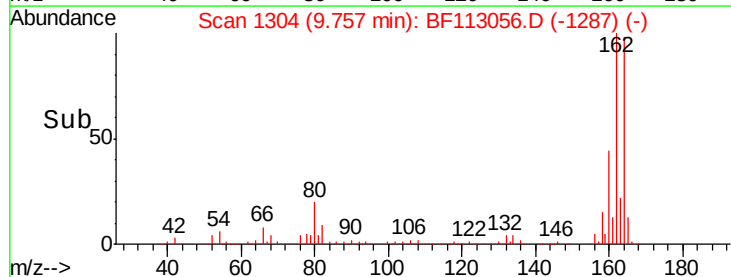
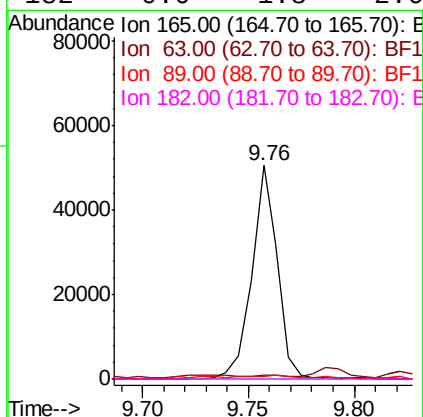
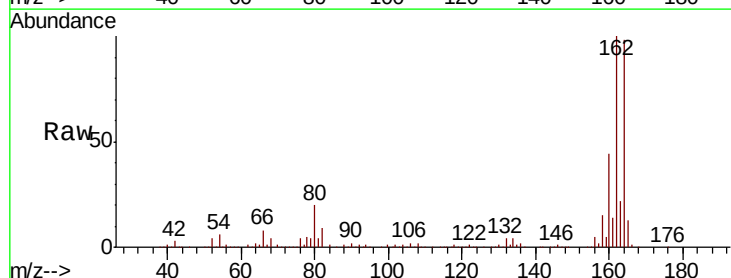
Instrument :
BNA_F
ClientSampled :
MW-1ADL2

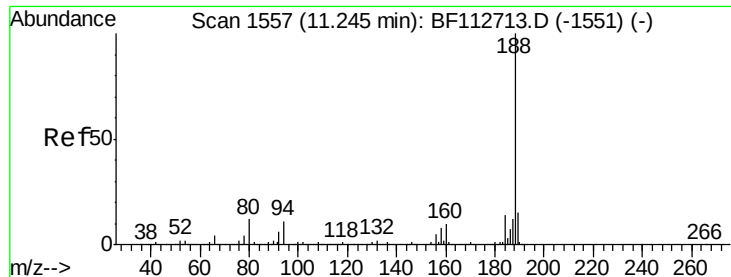
Tot Ion:184 Resp: 1411
Ion Ratio Lower Upper
184 100
63 293.8 45.3 67.9#
154 25.5 46.0 69.0#



#57
2,4-Dinitrotoluene
Concen: 6.720 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:165 Resp: 42370
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 1.4 66.2 99.4#
182 0.0 1.8 2.6#

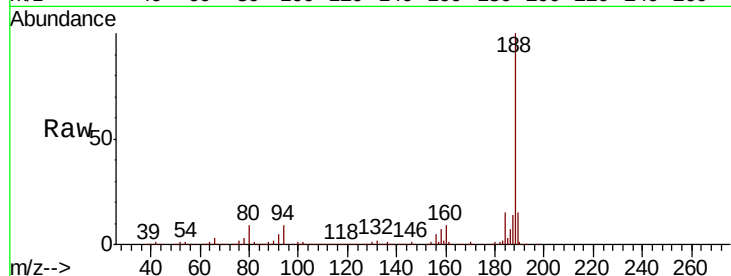




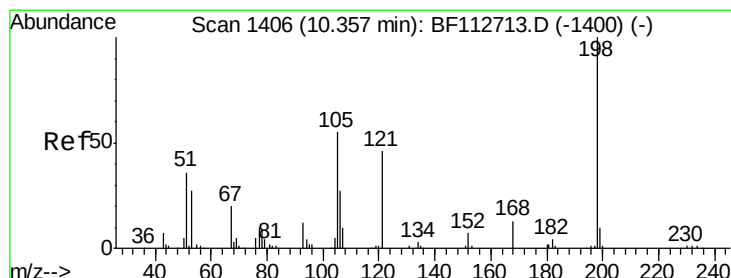
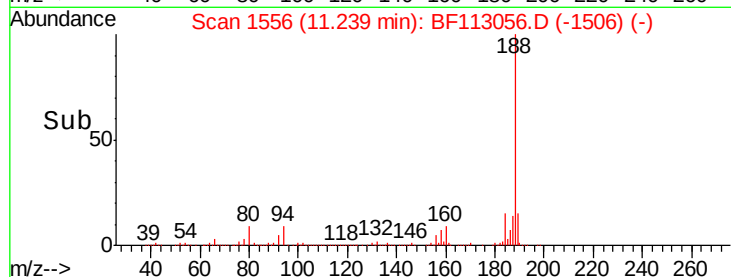
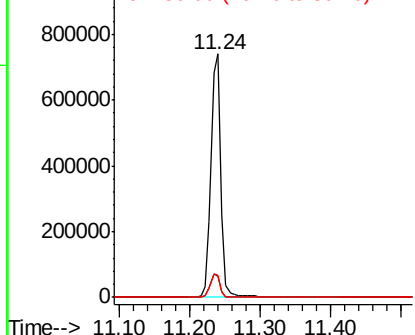
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion:188 Resp: 723862
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 9.0 9.2 13.8#

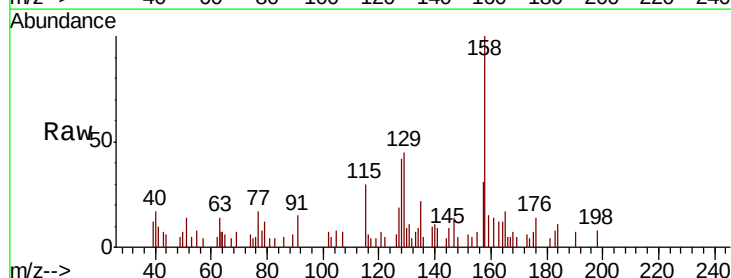


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

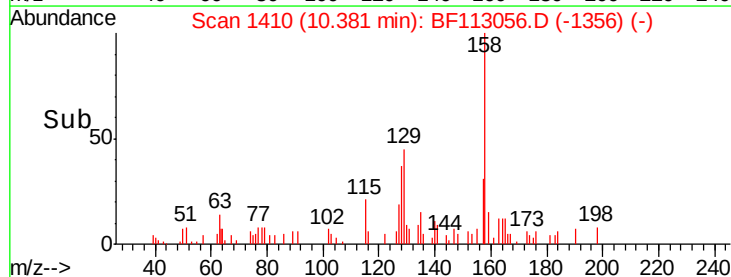
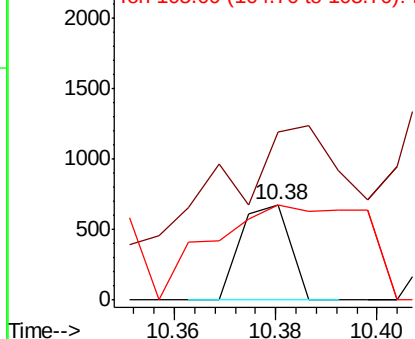


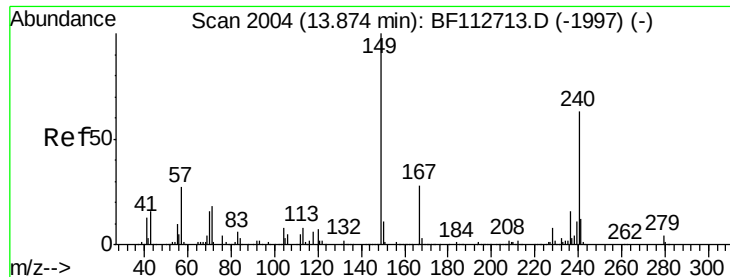
#65
4,6-Dinitro-2-methylphenol
Concen: 4.751 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.02 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Tgt Ion:198 Resp: 455
Ion Ratio Lower Upper
198 100
51 175.4 43.8 83.8#
105 99.9 36.5 76.5#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113056.D

Acq: 14 Mar 2019 18:14

Instrument :

BNA_F

ClientSampleId :

MW-1ADL2

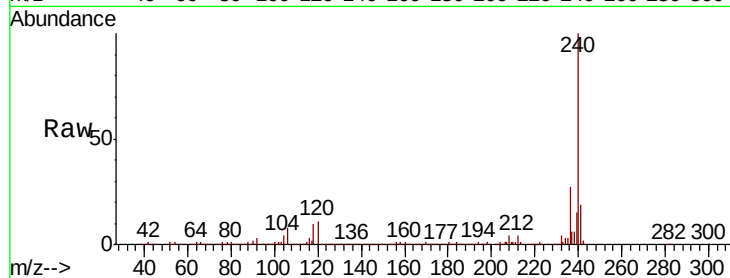
Tot Ion:240 Resp: 695365

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

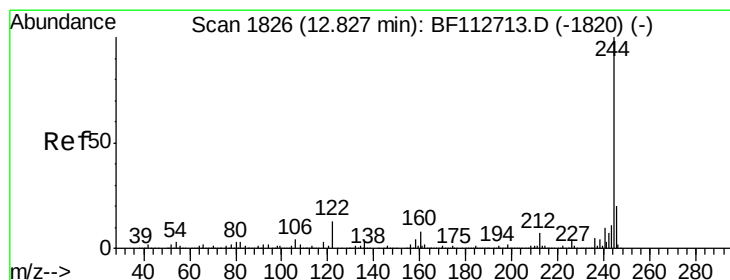
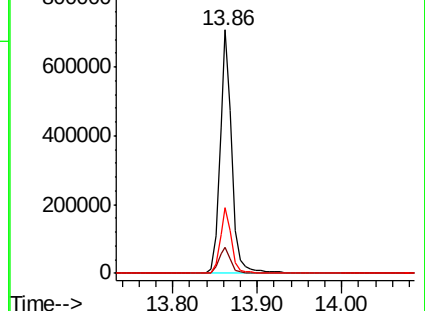
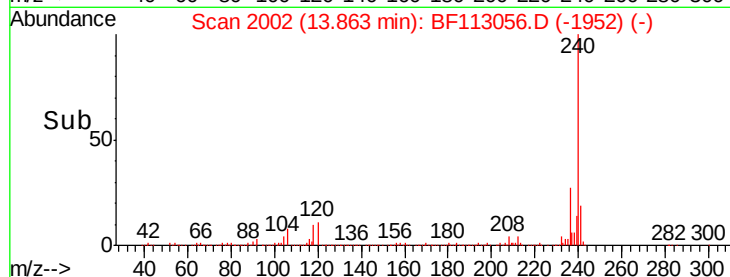
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 0.997 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113056.D

Acq: 14 Mar 2019 18:14

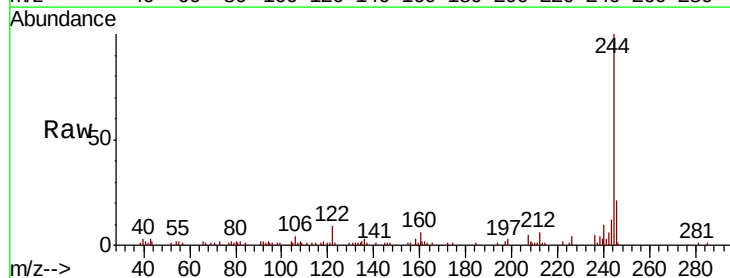
Tgt Ion:244 Resp: 35778

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

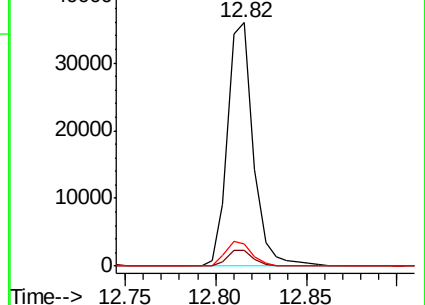
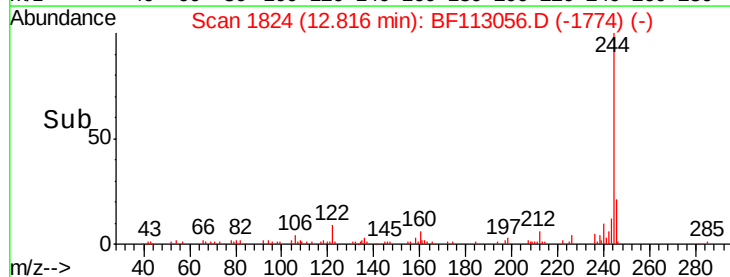
122 9.1 10.5 15.7#

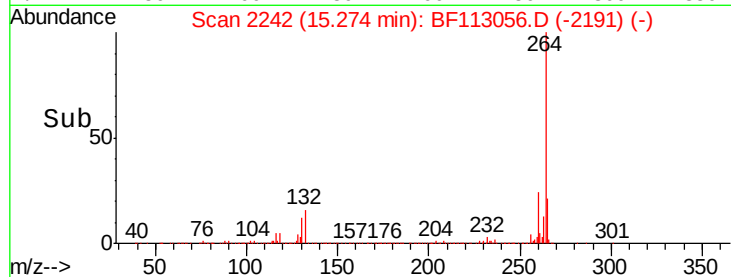
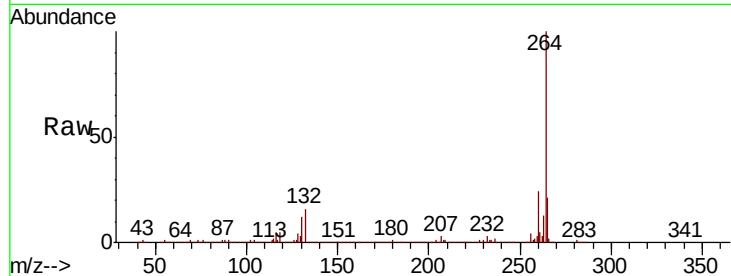
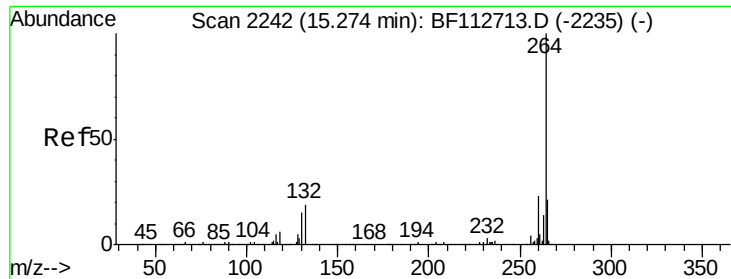


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113056.D
Acq: 14 Mar 2019 18:14

Instrument :
BNA_F
ClientSampleId :
MW-1ADL2

Tot Ion: 264 Resp: 651179

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.5	17.2	25.8

