

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113055.D
 Acq On : 14 Mar 2019 17:46
 Operator : JU/SJ
 Sample : K1899-01DL 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL

Quant Time: Mar 15 06:43:53 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	184154	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	739828	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	363257	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	709222	20.00	ng	0.00
76) Chrysene-d12	13.86	240	692610	20.00	ng	0.00
87) Perylene-d12	15.27	264	706946	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	12214	1.03	ng	0.00
7) Phenol-d6	6.38	99	11289	0.76	ng	0.00
23) Nitrobenzene-d5	7.28	82	26819	2.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	14072	3.65	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	63131	0.83	ng	-0.01
79) Terphenyl-d14	12.82	244	77089	2.16	ng	0.00

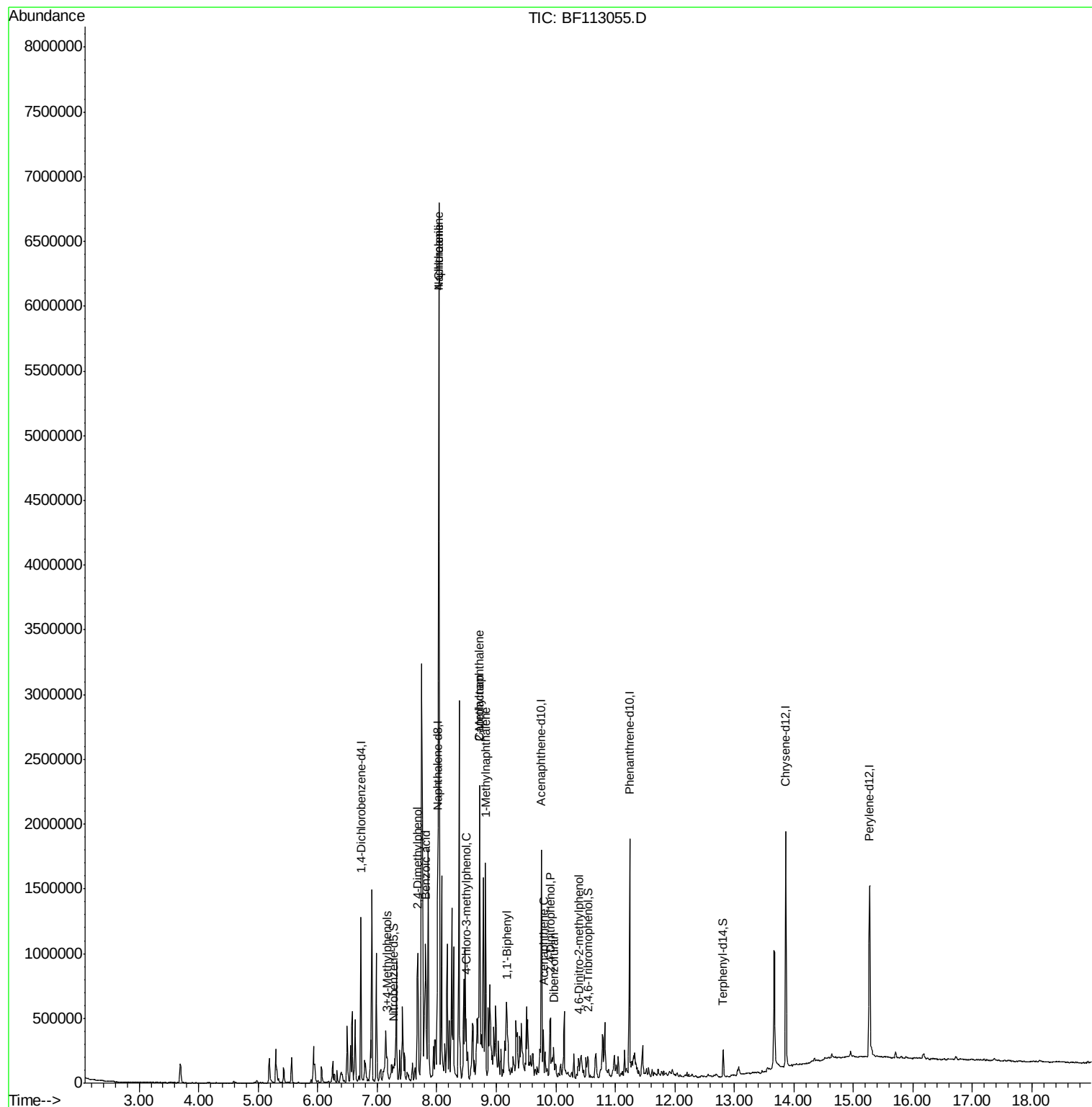
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.16	107	61452	5.091	ng	# 34
27) 2,4-Dimethylphenol	7.68	122	189299	17.763	ng	99
31) Naphthalene	8.04	128	3499936	95.286	ng	97
32) Benzoic acid	7.81	122	205525	27.516	ng	# 10
33) 4-Chloroaniline	8.04	127	494469	31.784	ng	# 34
35) Caprolactam	8.72	113	12596	3.460	ng	# 1
36) 4-Chloro-3-methylphenol	8.50	107	34735	3.037	ng	# 26
37) 2-Methylnaphthalene	8.72	142	587011	24.747	ng	100
38) 1-Methylnaphthalene	8.82	142	344550	14.995	ng	99
46) 1,1'-Biphenyl	9.18	154	78387	2.646	ng	95
52) Acenaphthene	9.79	154	69001	3.004	ng	97
54) 2,4-Dinitrophenol	9.91	184	3504	7.865	ng	# 1
55) Dibenzofuran	9.96	168	69750	2.089	ng	93
65) 4,6-Dinitro-2-methylphenol	10.38	198	1302	5.017	ng	# 55

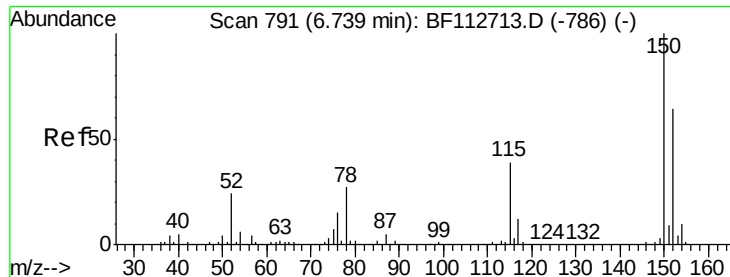
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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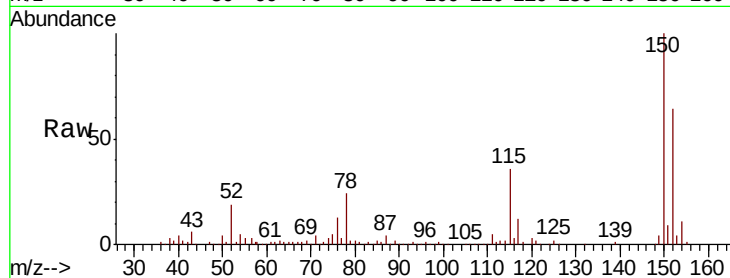


#1

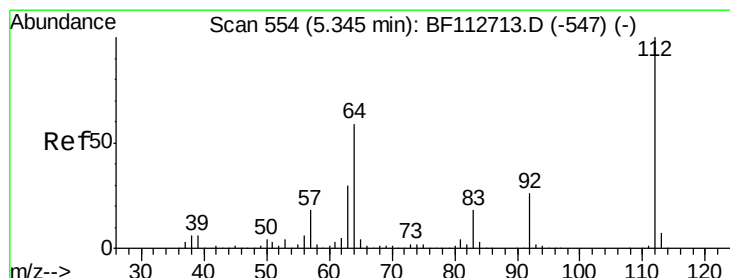
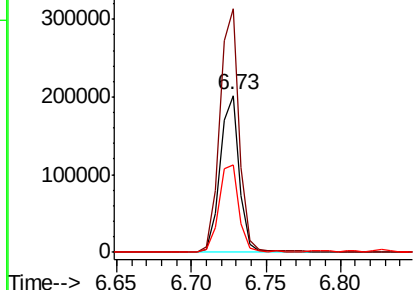
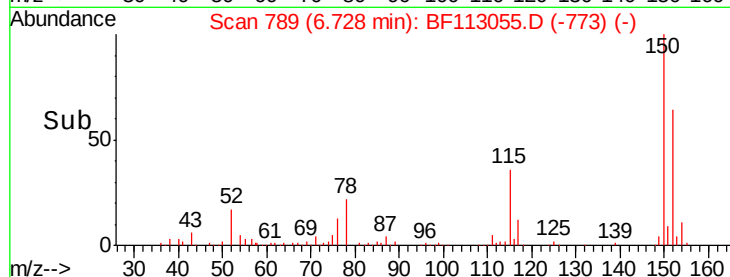
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion:152 Resp: 184154
Ion Ratio Lower Upper
152 100
150 155.1 124.2 186.2
115 55.9 48.2 72.4



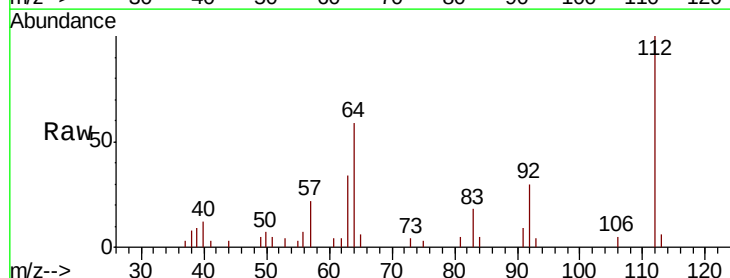
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



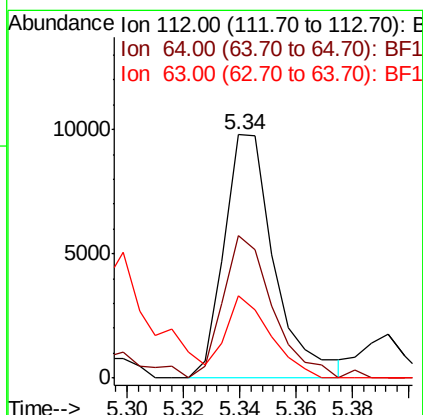
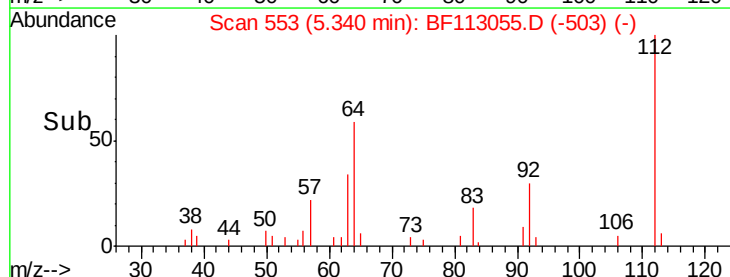
#5

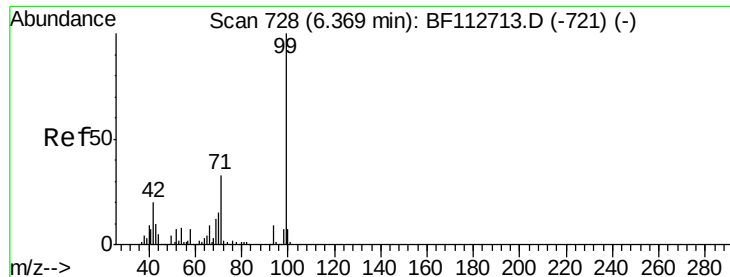
2-Fluorophenol
Concen: 1.032 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion:112 Resp: 12214
Ion Ratio Lower Upper
112 100
64 58.7 47.6 71.4
63 33.6 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: 0.759 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113055.D

Acq: 14 Mar 2019 17:46

Instrument :

BNA_F

ClientSampled :

MW-1ADL

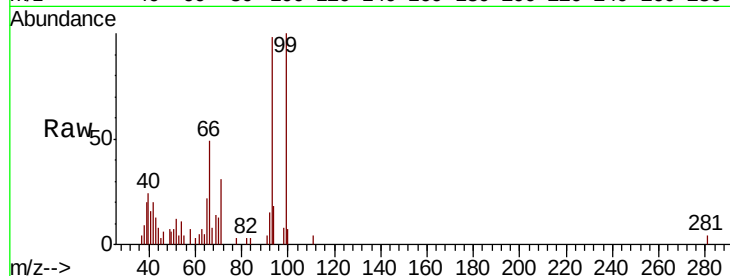
Tot Ion: 99 Resp: 11289

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

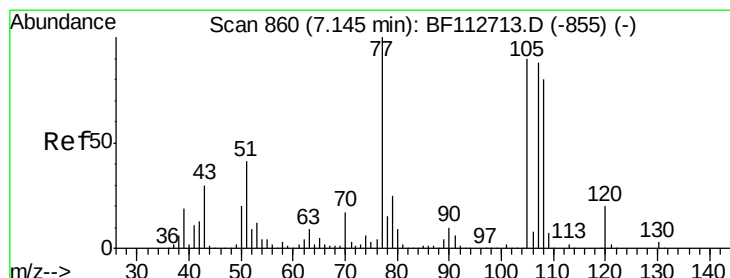
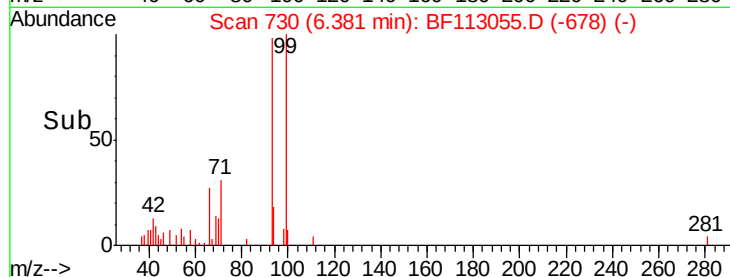
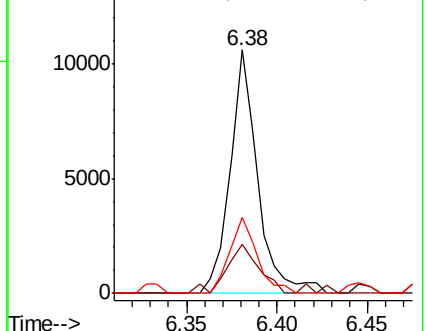
71 31.0 26.2 39.4



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: 5.091 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF113055.D

Acq: 14 Mar 2019 17:46

Tgt Ion: 107 Resp: 61452

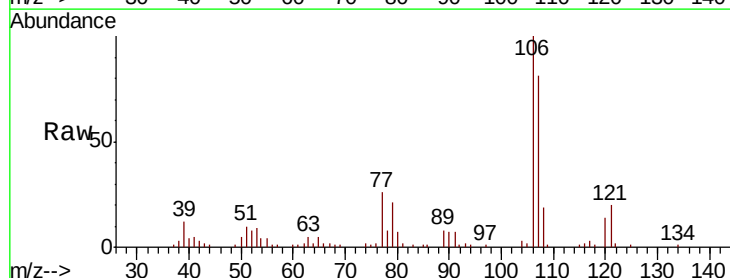
Ion Ratio Lower Upper

107 100

108 22.9 71.4 111.4#

77 31.5 94.1 134.1#

79 25.8 8.6 48.6

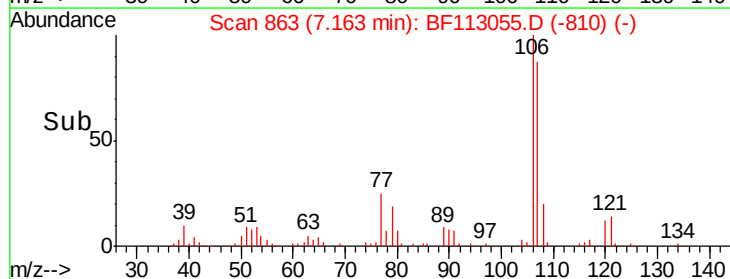
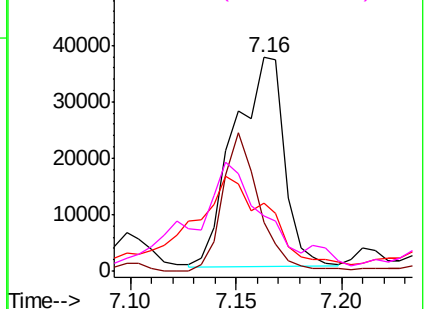


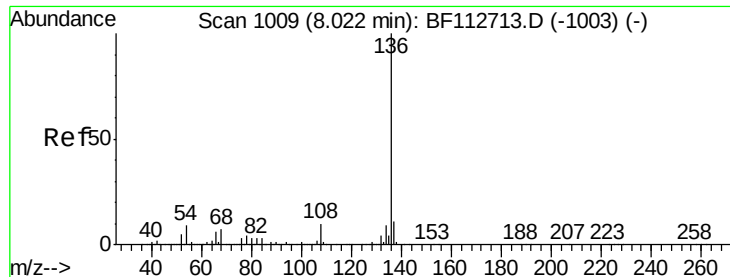
Abundance Ion 107.00 (106.70 to 107.70): E

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

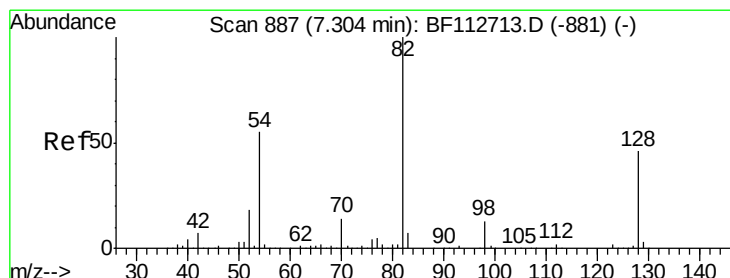
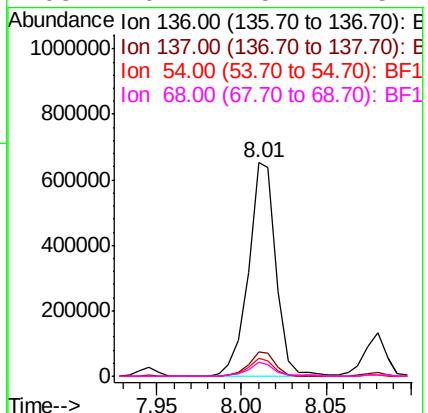
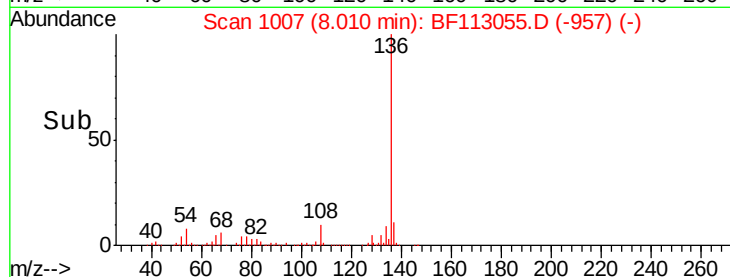
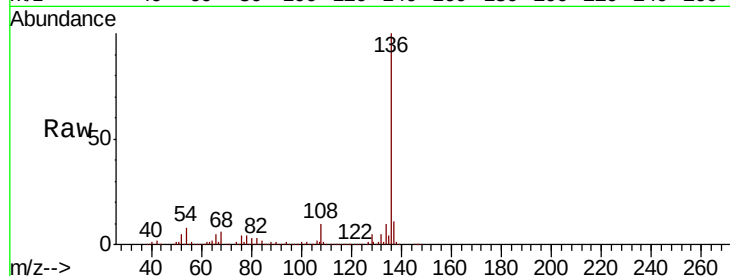




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

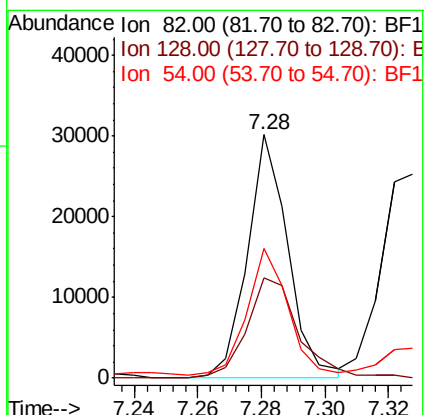
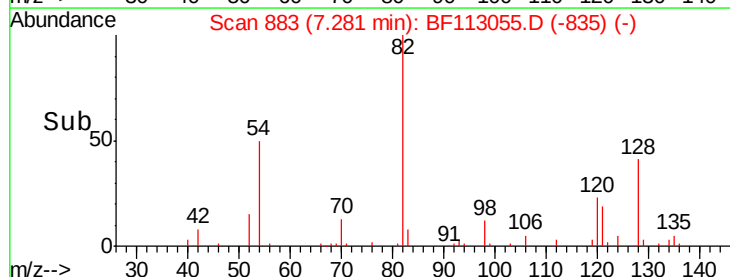
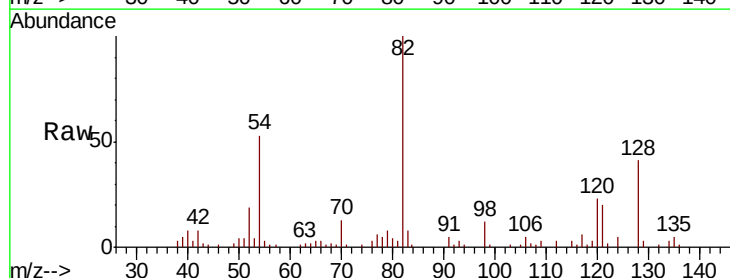
Instrument :
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ClientSampleID :
MW-1ADL

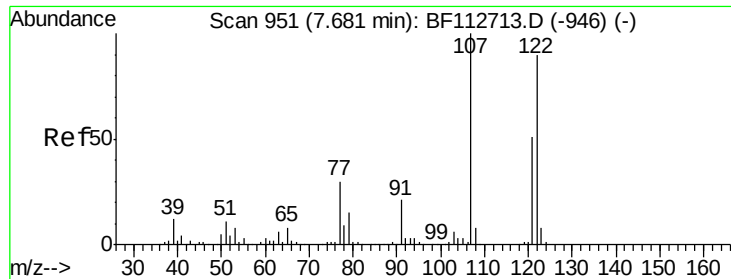
Tot Ion:136	Resp:	739828
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.5	7.3 10.9
68	6.4	5.4 8.2



#23
Nitrobenzene-d5
Concen: 2.169 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion: 82	Resp:	26819
Ion Ratio	Lower	Upper
82	100	
128	41.4	36.3 54.5
54	53.1	43.7 65.5

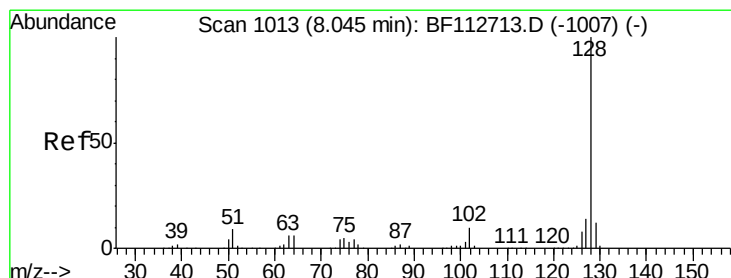
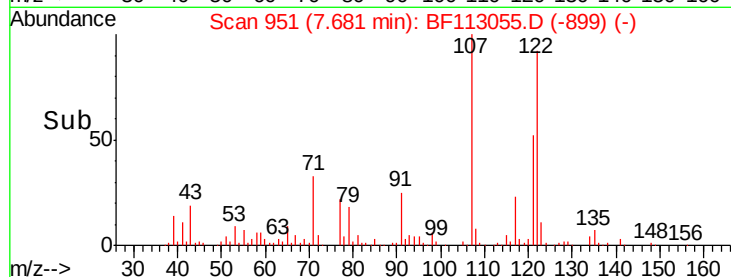
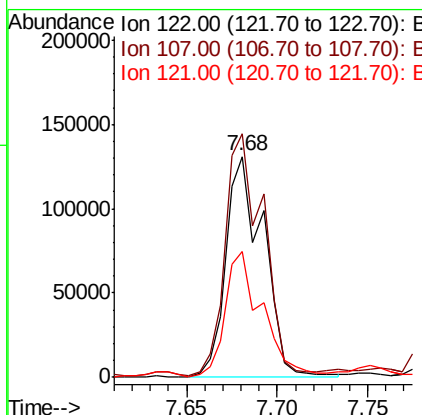
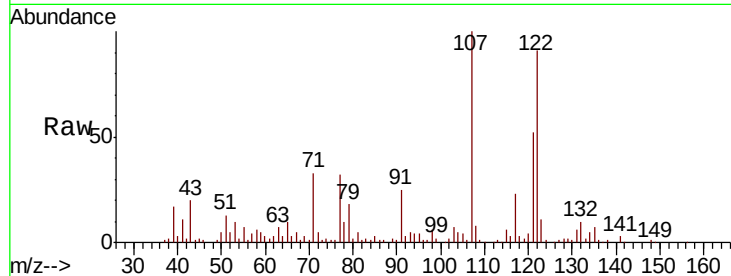




#27
2,4-Dimethylphenol
Concen: 17.763 ng
RT: 7.68 min Scan# 951
Delta R.T. 0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

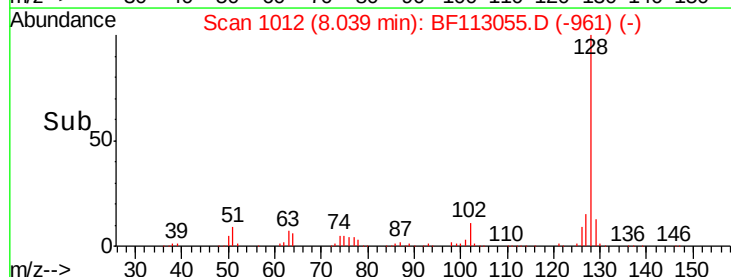
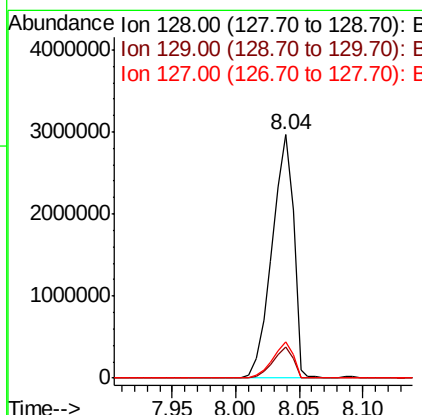
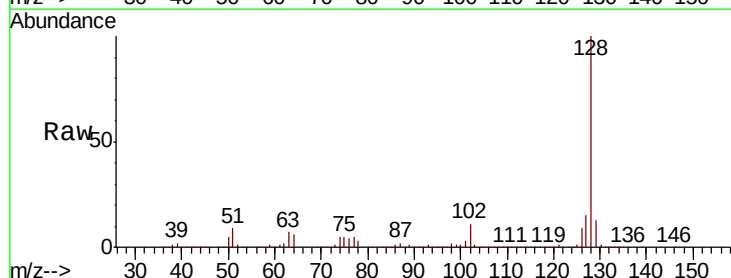
Instrument :
BNA_F
ClientSampleId :
MW-1ADL

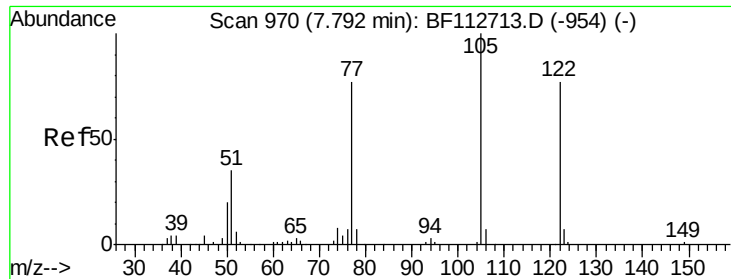
Tot Ion	Ratio	Lower	Upper
122	100		
107	110.3	89.4	134.0
121	57.0	45.5	68.3



#31
Naphthalene
Concen: 95.286 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.3	13.9
127	15.1	10.9	16.3

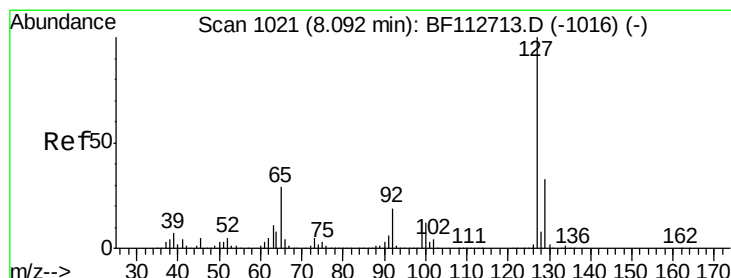
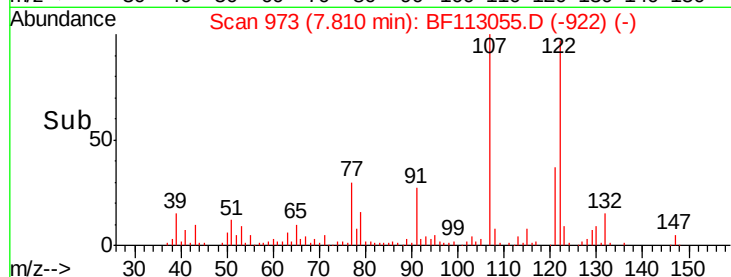
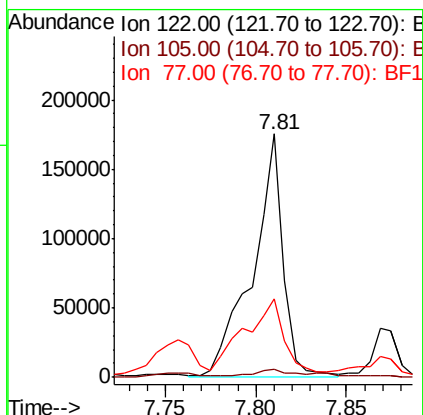
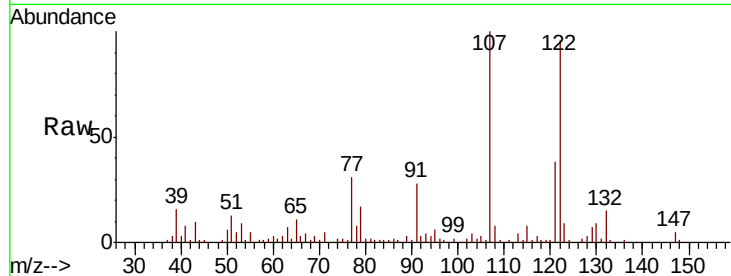




#32
Benzoic acid
Concen: 27.516 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

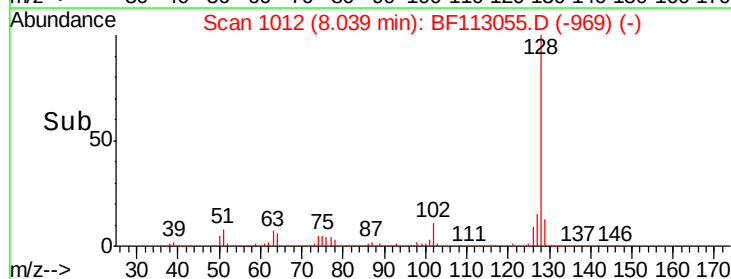
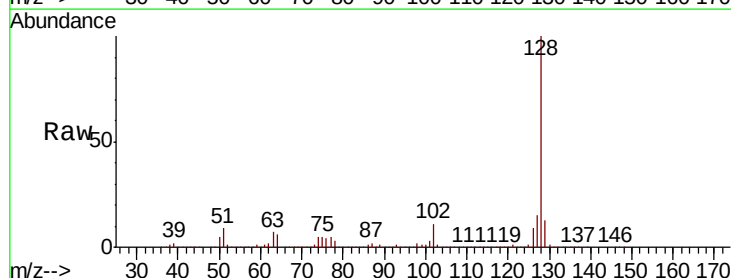
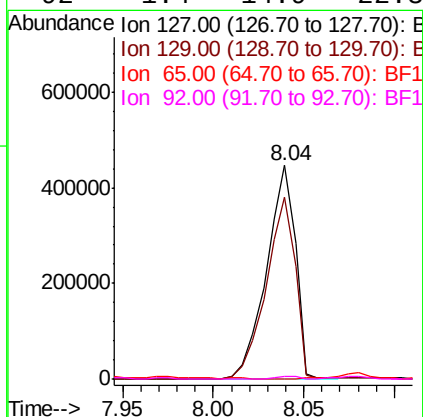
Instrument :
BNA_F
ClientSampleId :
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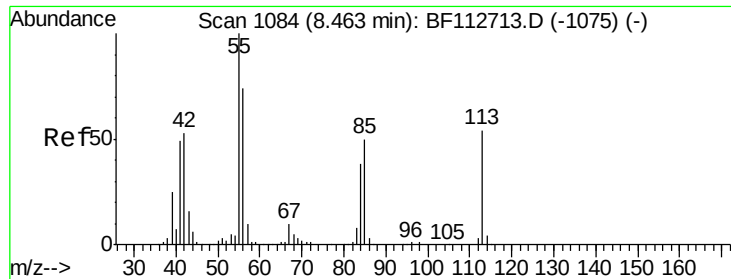
Tot Ion	Ratio	Lower	Upper
122	100		
105	3.4	106.8	146.8#
77	32.0	79.4	119.4#



#33
4-Chloroaniline
Concen: 31.784 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.05 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion	Ratio	Lower	Upper
127	100		
129	85.4	26.4	39.6#
65	0.0	23.1	34.7#
92	1.4	14.9	22.3#

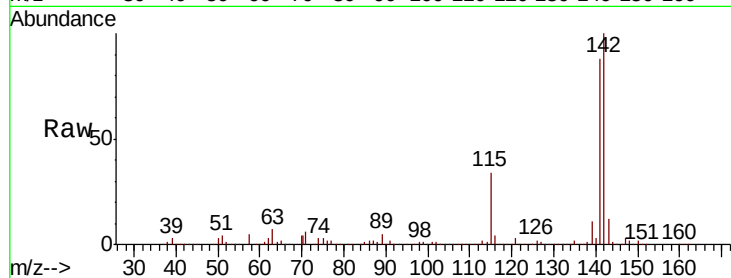




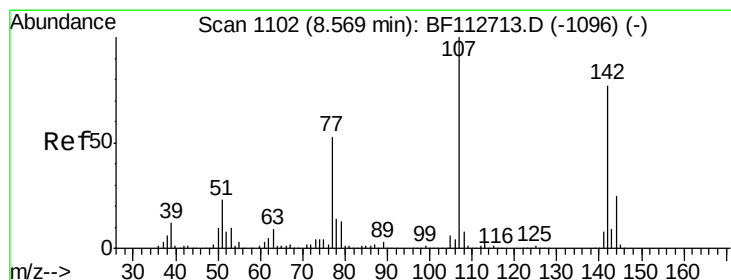
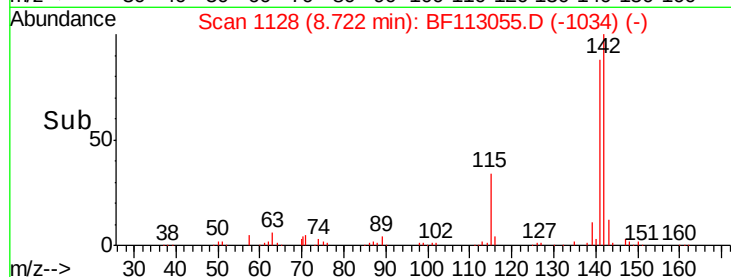
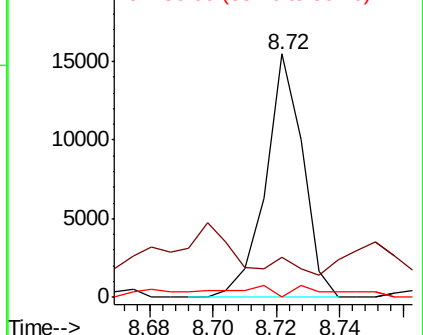
#35
Caprolactam
Concen: 3.460 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.25 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Instrument :
BNA_F
ClientSampleId :
MW-1ADL

Tot Ion:113 Resp: 12596
Ion Ratio Lower Upper
113 100
55 16.2 163.5 203.5#
56 0.0 115.3 155.3#

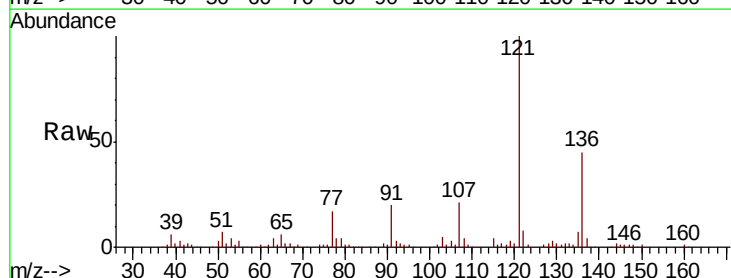


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

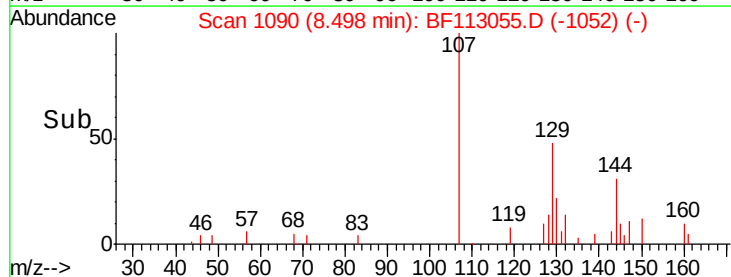
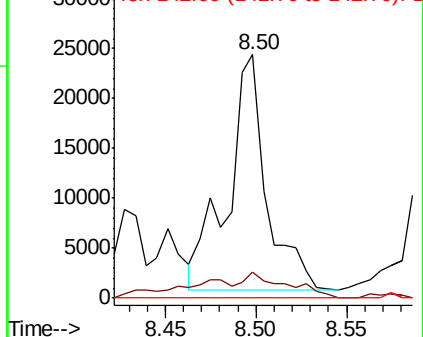


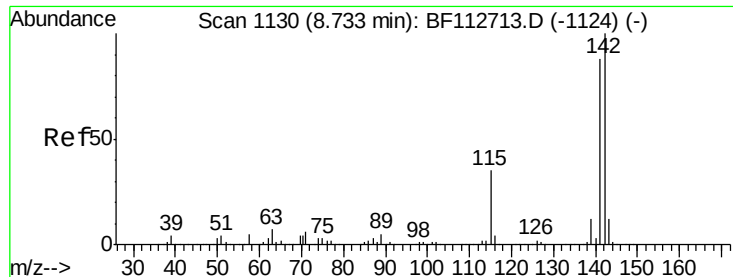
#36
4-Chloro-3-methylphenol
Concen: 3.037 ng
RT: 8.50 min Scan# 1090
Delta R.T. -0.08 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion:107 Resp: 34735
Ion Ratio Lower Upper
107 100
144 10.7 20.1 30.1#
142 0.0 61.9 92.9#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

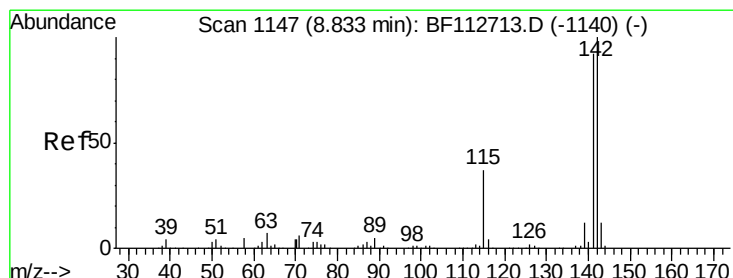
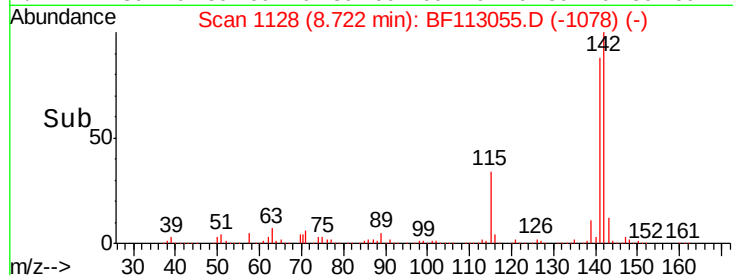
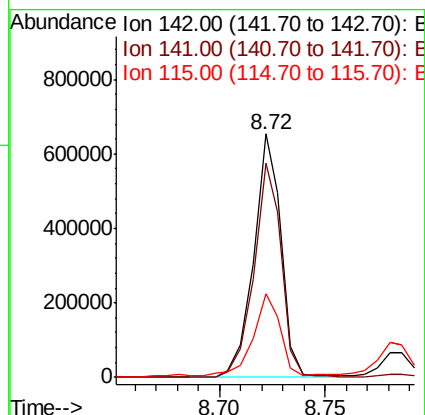
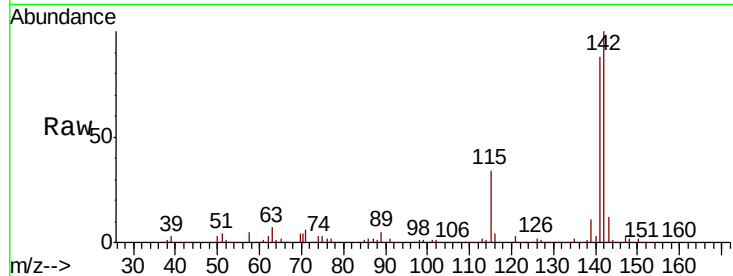




#37
2-Methylnaphthalene
Concen: 24.747 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

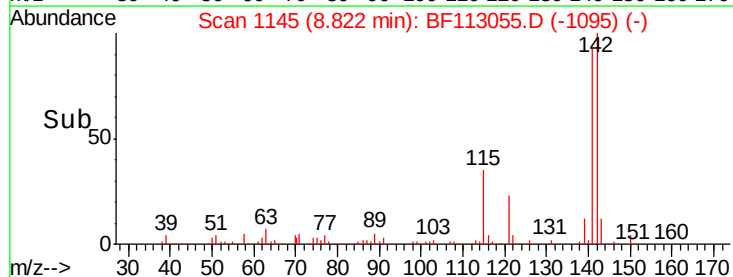
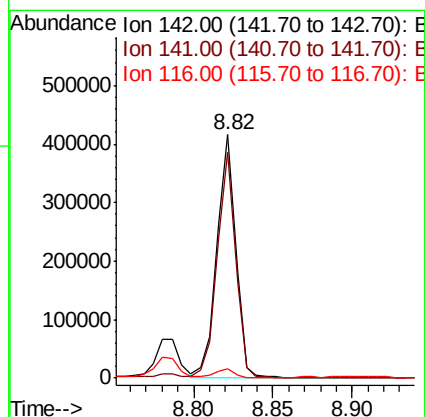
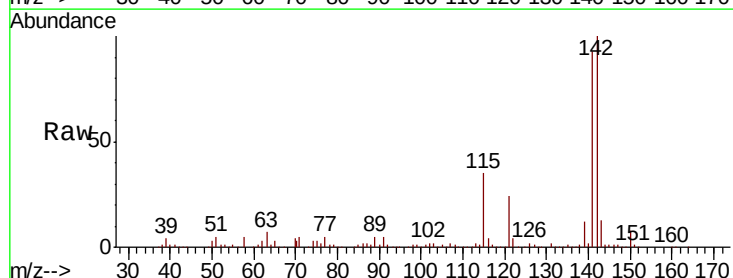
Instrument :
BNA_F
ClientSampleId :
MW-1ADL

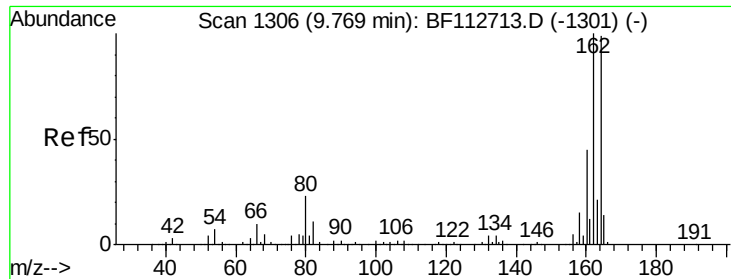
Tot Ion:142 Resp: 587011
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 34.4 27.8 41.6



#38
1-Methylnaphthalene
Concen: 14.995 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion:142 Resp: 344550
Ion Ratio Lower Upper
142 100
141 92.7 73.7 110.5
116 4.1 3.1 4.7

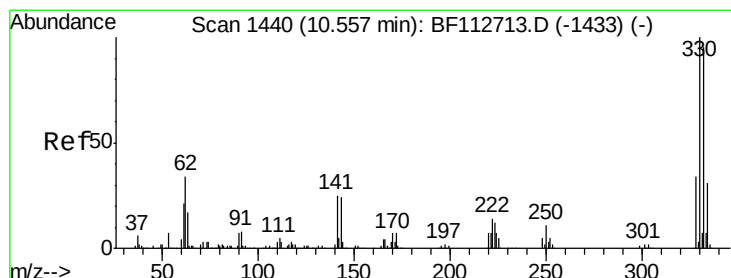
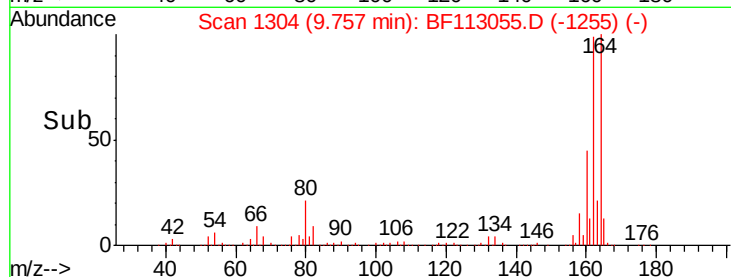
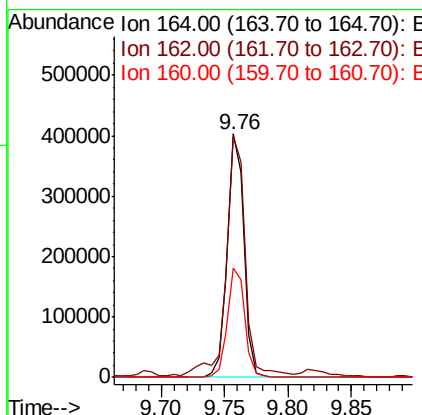
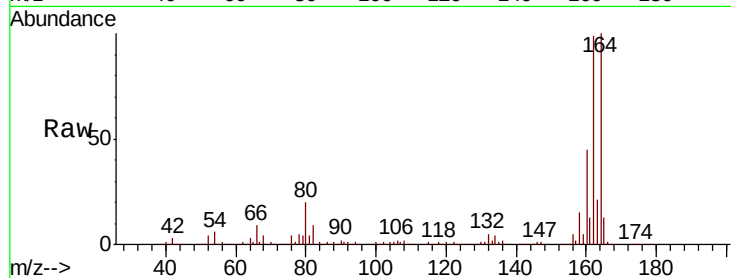




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113055.D
 Acq: 14 Mar 2019 17:46

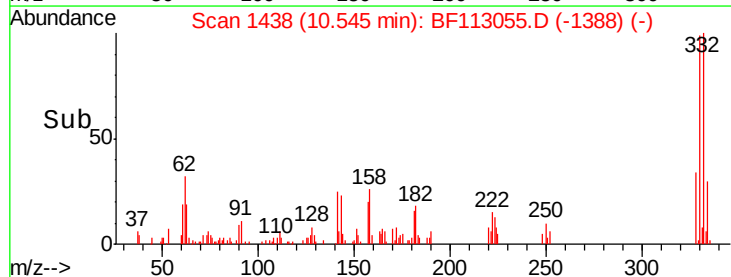
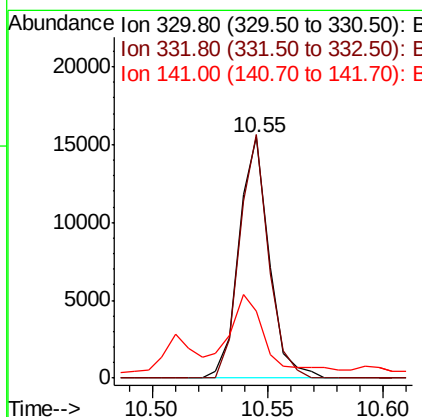
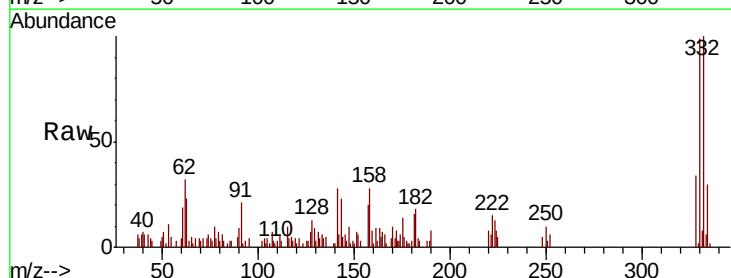
Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL

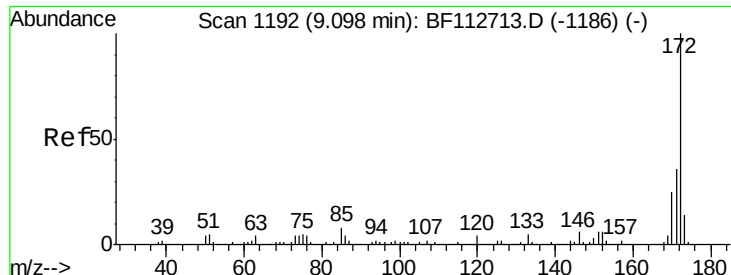
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	44.8	36.0	54.0



#42
 2,4,6-Tribromophenol
 Concen: 3.649 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113055.D
 Acq: 14 Mar 2019 17:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.2	114.4
141	35.7	27.0	40.6

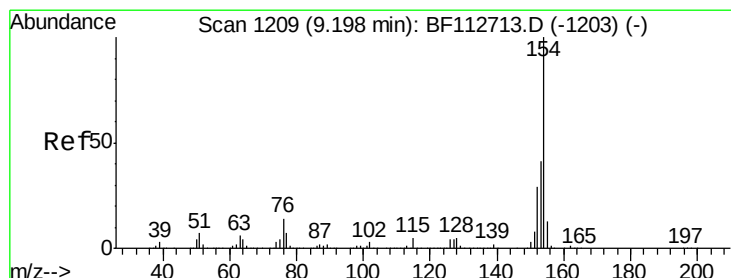
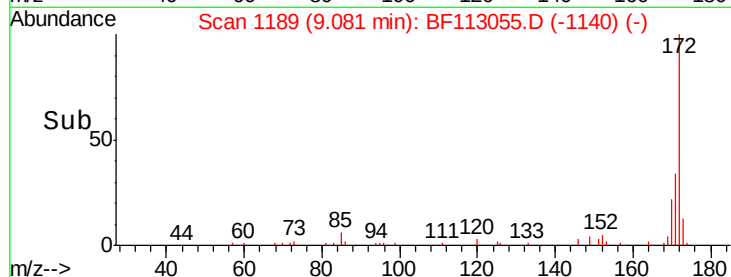
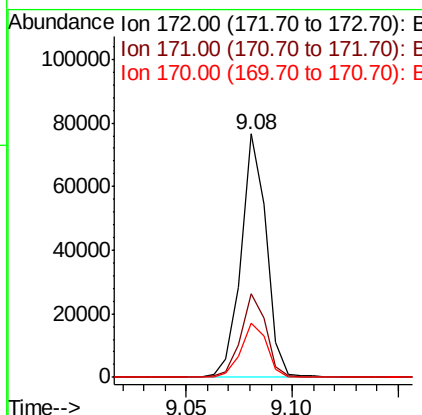
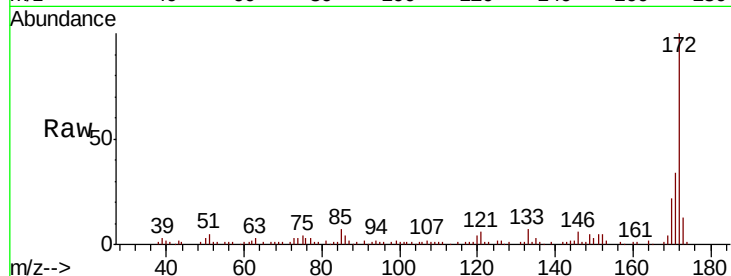




#45
2-Fluorobiphenyl
Concen: 0.827 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

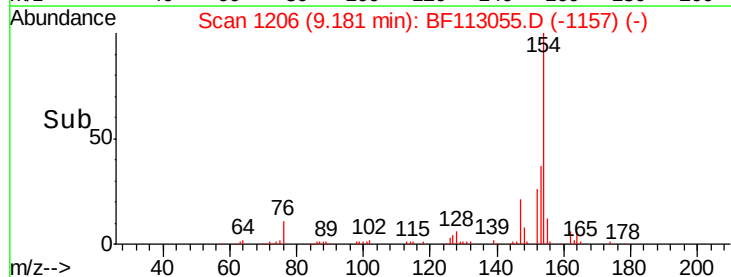
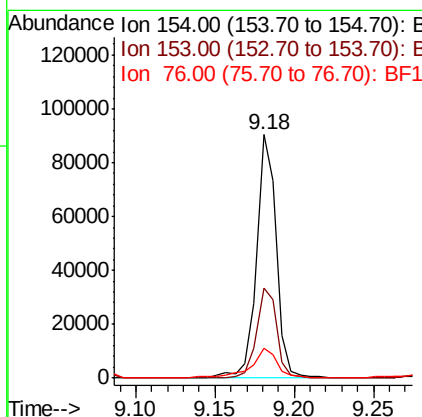
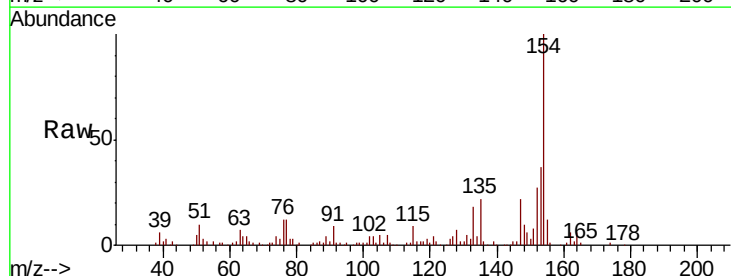
Instrument :
BNA_F
ClientSampled :
MW-1ADL

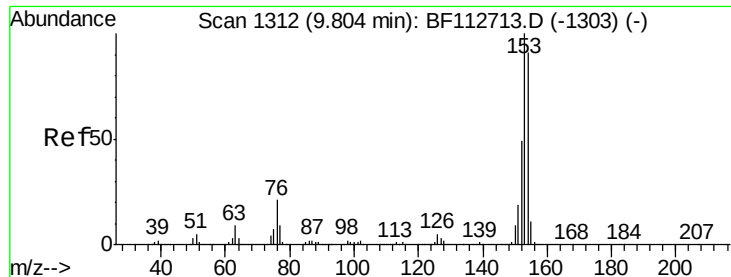
Tot Ion:172 Resp: 63131
Ion Ratio Lower Upper
172 100
171 34.4 29.0 43.4
170 22.2 20.0 30.0



#46
1,1'-Biphenyl
Concen: 2.646 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion:154 Resp: 78387
Ion Ratio Lower Upper
154 100
153 37.2 20.8 60.8
76 12.4 0.0 33.8





#52

Acenaphthene

Concen: 3.004 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113055.D

Acq: 14 Mar 2019 17:46

Instrument :

BNA_F

ClientSampleId :

MW-1ADL

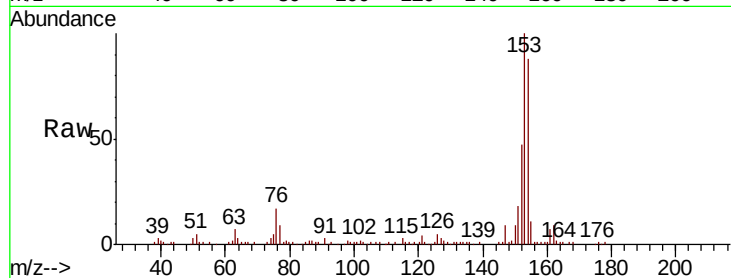
Tot Ion:154 Resp: 69001

Ion Ratio Lower Upper

154 100

153 114.2 87.8 131.8

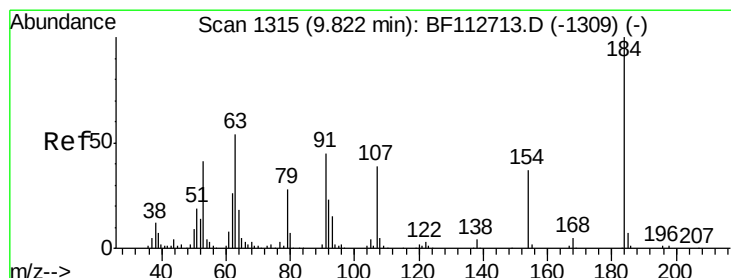
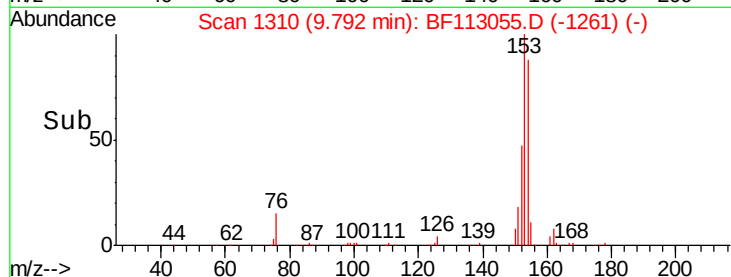
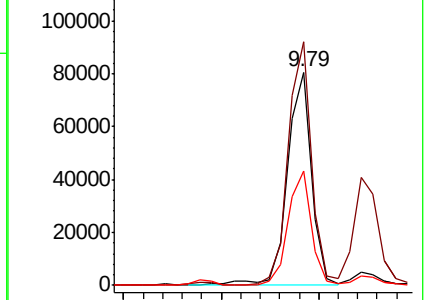
152 53.6 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 7.865 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.08 min

Lab File: BF113055.D

Acq: 14 Mar 2019 17:46

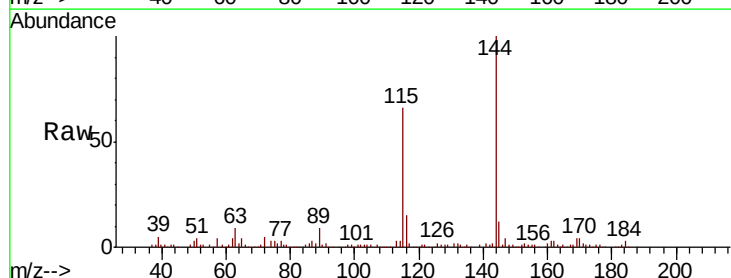
Tgt Ion:184 Resp: 3504

Ion Ratio Lower Upper

184 100

63 297.7 45.3 67.9#

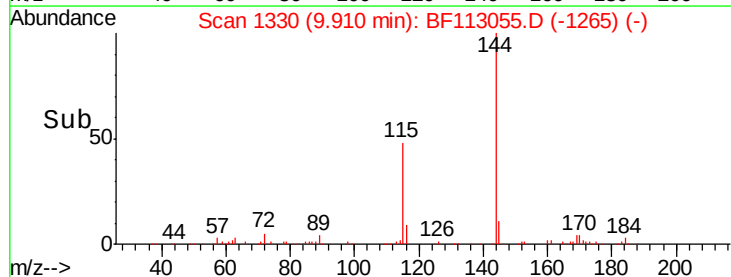
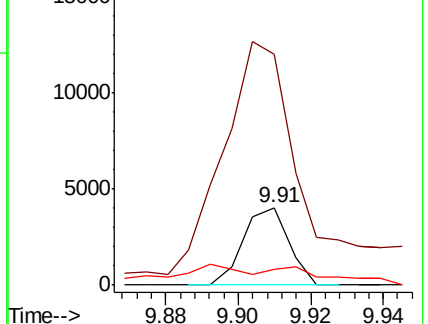
154 19.5 46.0 69.0#

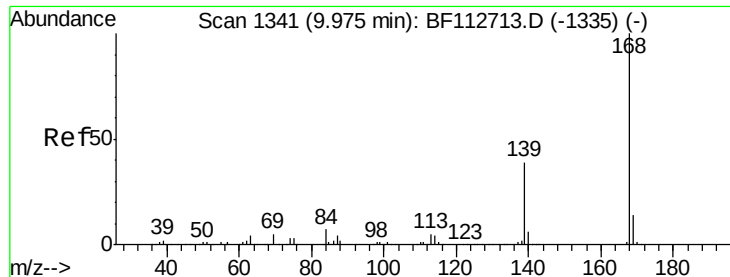


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

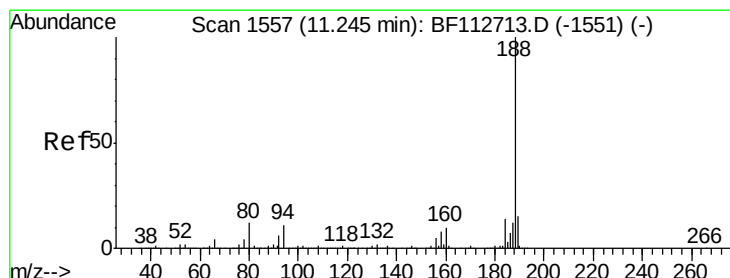
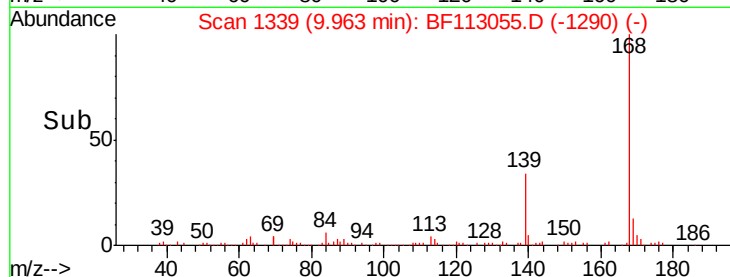
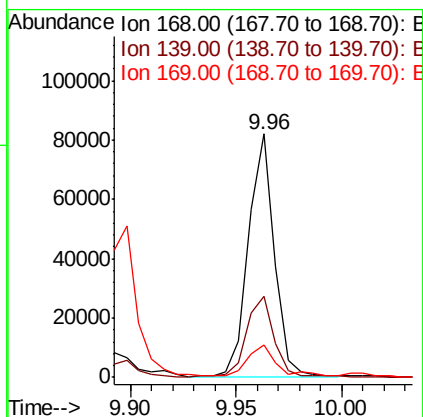
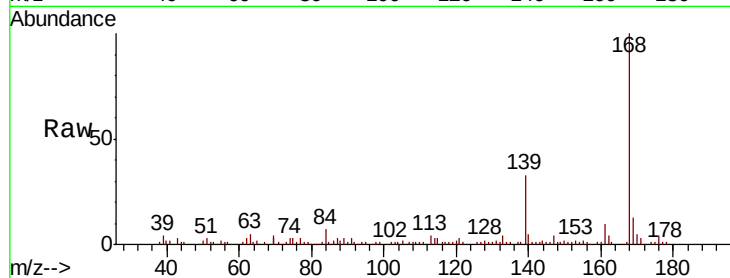




#55
Dibenzofuran
Concen: 2.089 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

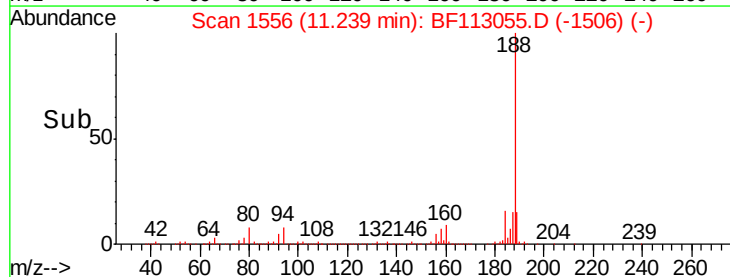
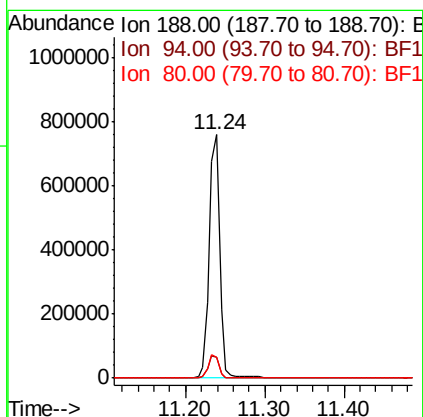
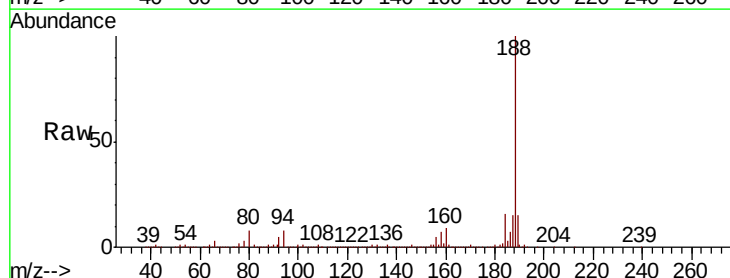
Instrument :
BNA_F
ClientSampleId :
MW-1ADL

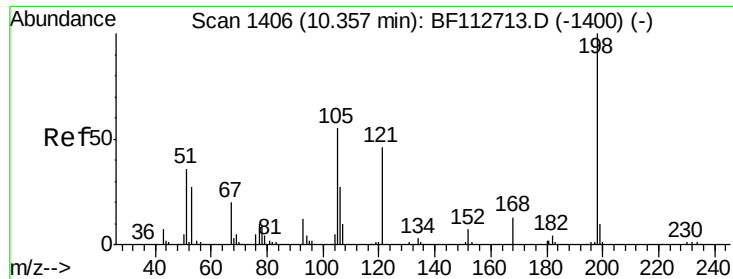
Tot Ion:168 Resp: 69750
Ion Ratio Lower Upper
168 100
139 33.4 31.3 46.9
169 13.2 11.3 16.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion:188 Resp: 709222
Ion Ratio Lower Upper
188 100
94 8.5 9.0 13.4#
80 8.4 9.2 13.8#

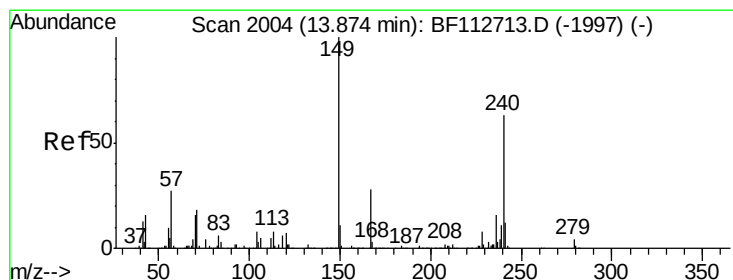
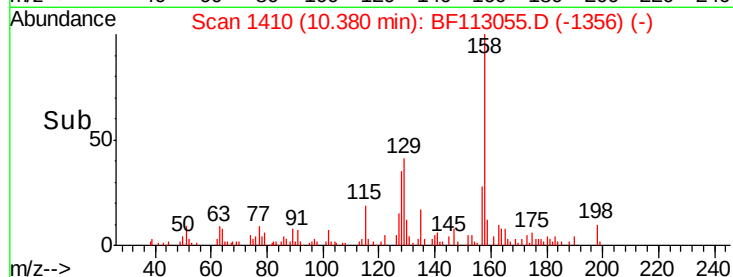
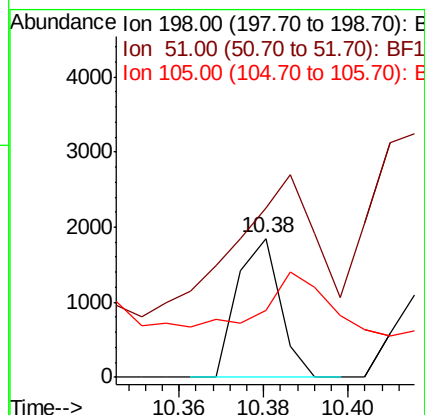
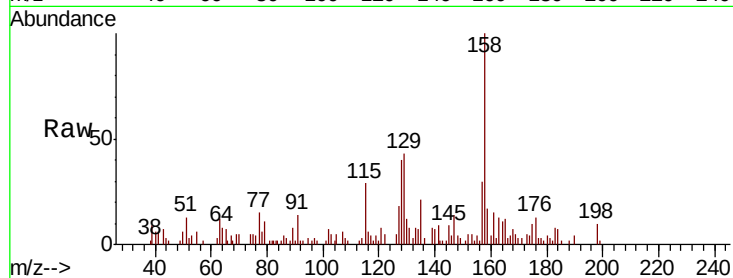




#65
4,6-Dinitro-2-methylphenol
Concen: 5.017 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.02 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

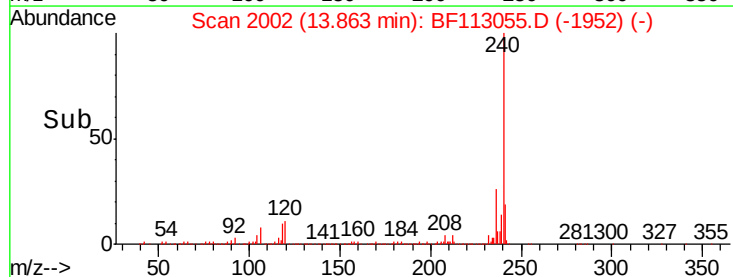
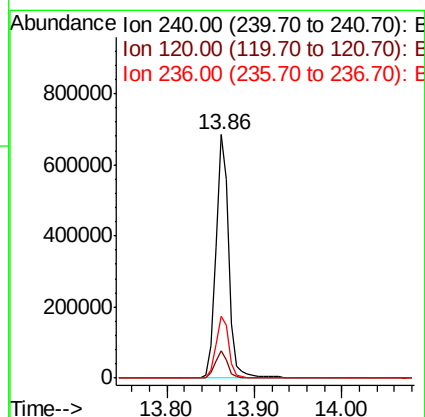
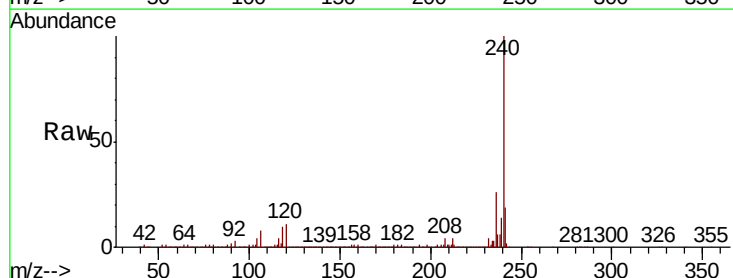
Instrument :
BNA_F
ClientSampleId :
MW-1ADL

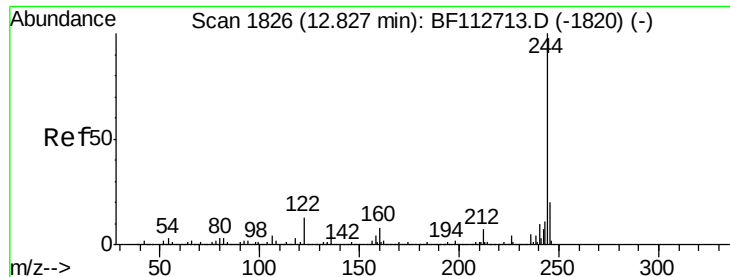
Tot Ion:198 Resp: 1302
Ion Ratio Lower Upper
198 100
51 122.2 43.8 83.8#
105 48.4 36.5 76.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113055.D
Acq: 14 Mar 2019 17:46

Tgt Ion:240 Resp: 692610
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 25.6 20.7 31.1

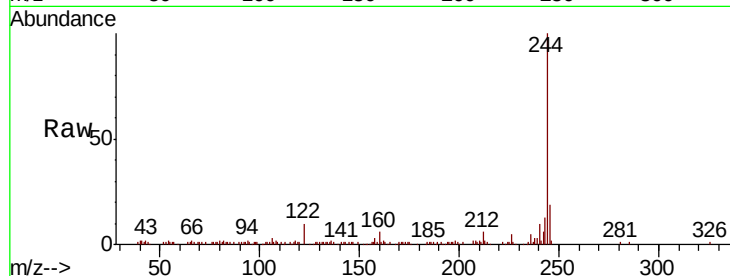




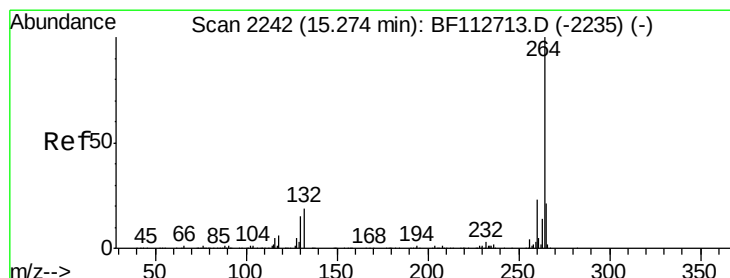
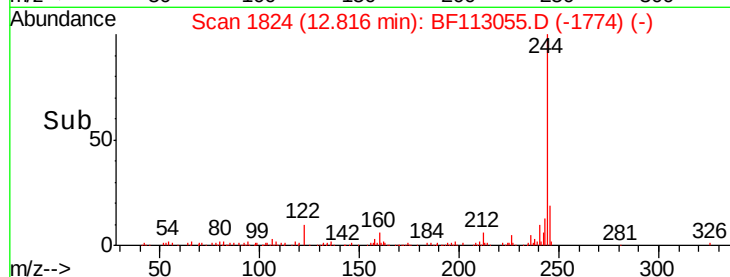
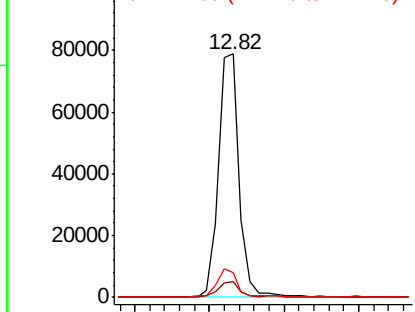
#79
 Terphenyl-d14
 Concen: 2.158 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113055.D
 Acq: 14 Mar 2019 17:46

Instrument :
 BNA_F
 ClientSampleId :
 MW-1ADL

Tot Ion:244 Resp: 77089
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.3 10.5 15.7#

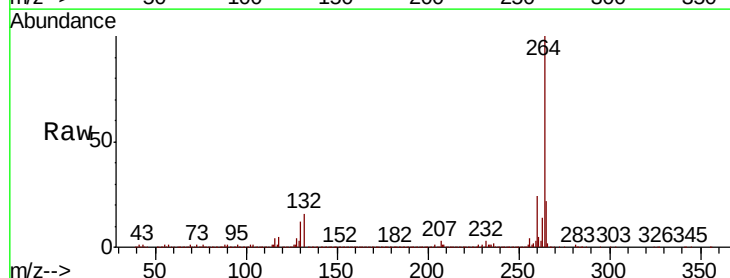


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113055.D
 Acq: 14 Mar 2019 17:46

Tgt Ion:264 Resp: 706946
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.7 28.1
 265 21.8 17.2 25.8



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

