

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030819\
 Data File : BF112948.D
 Acq On : 8 Mar 2019 17:00
 Operator : JU/SJ
 Sample : K1801-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

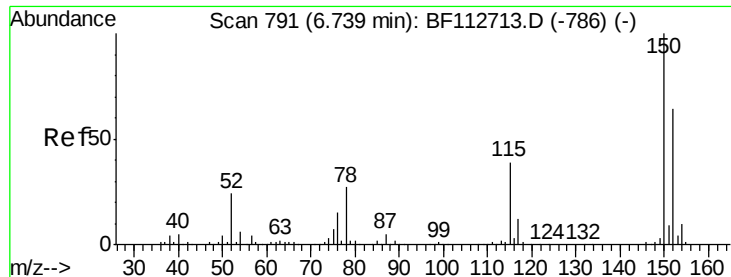
Quant Time: Mar 08 22:08:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	182844	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	663671	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	351028	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	708492	20.00	ng	0.00
76) Chrysene-d12	13.86	240	574714	20.00	ng	-0.01
87) Perylene-d12	15.26	264	529072	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	616769	52.47	ng	-0.01
7) Phenol-d6	6.36	99	521189	35.30	ng	0.00
23) Nitrobenzene-d5	7.29	82	1024546	92.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	532813	142.98	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1798531	84.85	ng	0.00
79) Terphenyl-d14	12.82	244	2158164	72.79	ng	0.00

Target Compounds				Qvalue		
18) Hexachloroethane	7.27	117	127790	24.610	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	132278	14.145	ng	# 74
25) Isophorone	7.29	82	1013104	42.400	ng	# 66
37) 2-Methylnaphthalene	8.72	142	318099	14.949	ng	99
38) 1-Methylnaphthalene	8.83	142	976971	47.398	ng	100
52) Acenaphthene	9.79	154	69707	3.141	ng	94
54) 2,4-Dinitrophenol	9.87	184	1162	6.938	ng	# 1
55) Dibenzofuran	9.96	168	85460	2.649	ng	# 82
56) 4-Nitrophenol	9.87	139	11807	2.212	ng	# 68
58) Fluorene	10.30	166	141308	6.172	ng	# 95
65) 4,6-Dinitro-2-methylphenol	10.33	198	409	4.740	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	29992	4.019	ng	# 1
71) Phenanthrene	11.26	178	148438	4.211	ng	99
72) Anthracene	11.26	178	148438	4.023	ng	99

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

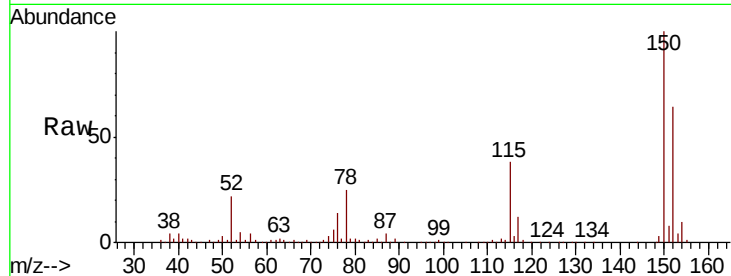


#1

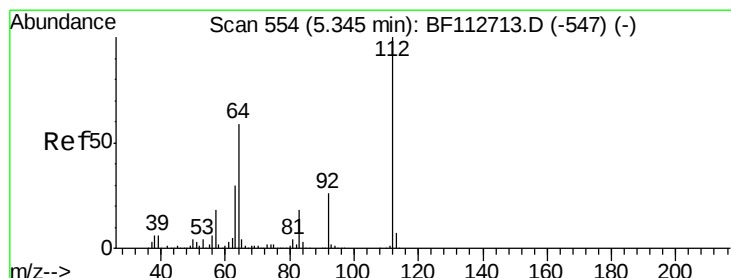
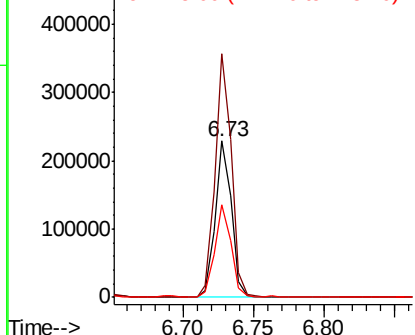
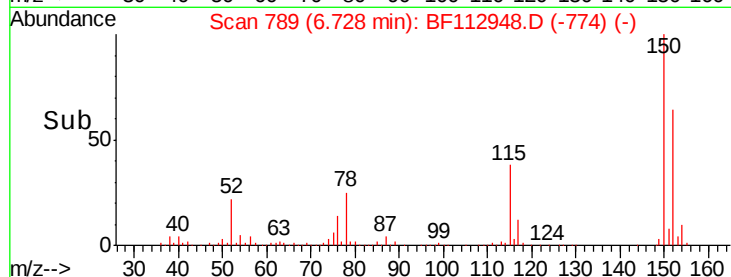
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 182844
Ion Ratio Lower Upper
152 100
150 156.1 124.2 186.2
115 59.1 48.2 72.4



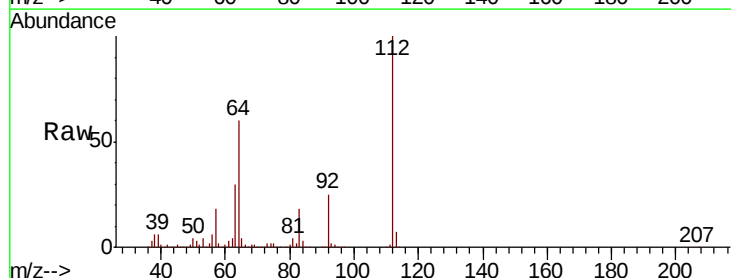
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



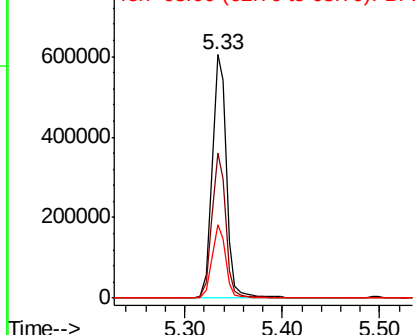
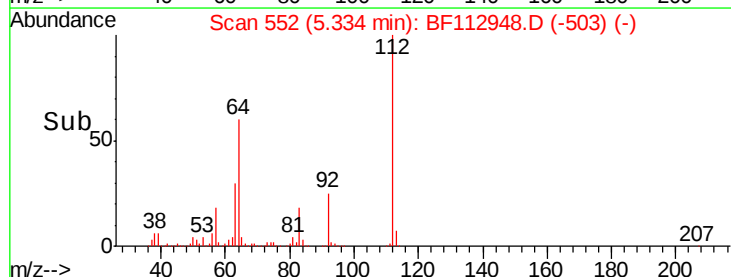
#5

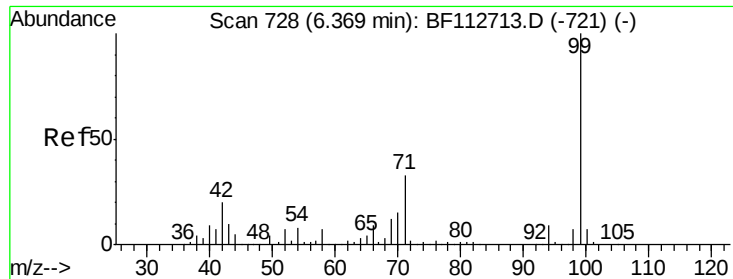
2-Fluorophenol
Concen: 52.472 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion:112 Resp: 616769
Ion Ratio Lower Upper
112 100
64 59.7 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: 35.298 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

Instrument :

BNA_F

ClientSampleId :

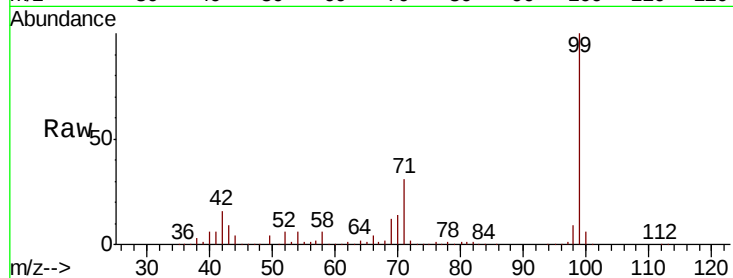
Tot Ion: 99 Resp: 521189

Ion Ratio Lower Upper

99 100

42 16.4 16.3 24.5

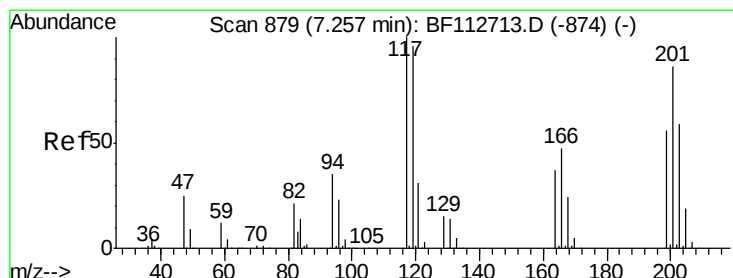
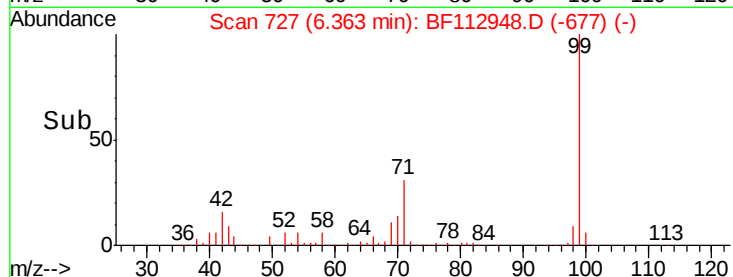
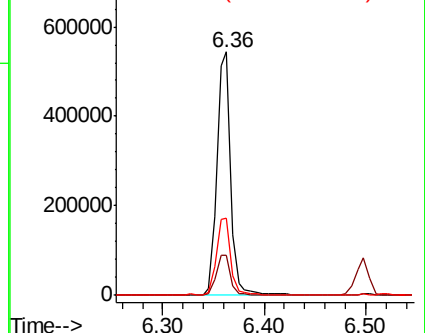
71 31.5 26.2 39.4



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



#18

Hexachloroethane

Concen: 24.610 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

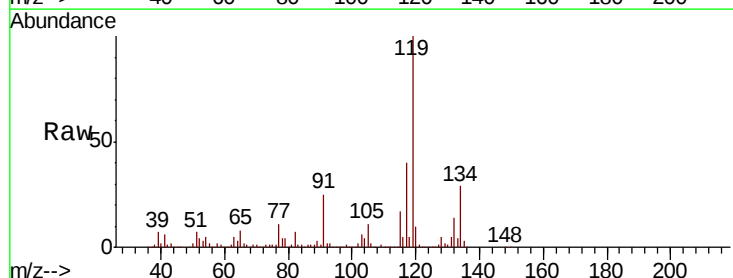
Tgt Ion: 117 Resp: 127790

Ion Ratio Lower Upper

117 100

119 250.2 76.6 115.0#

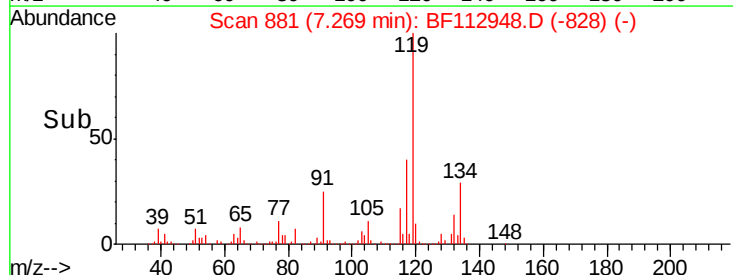
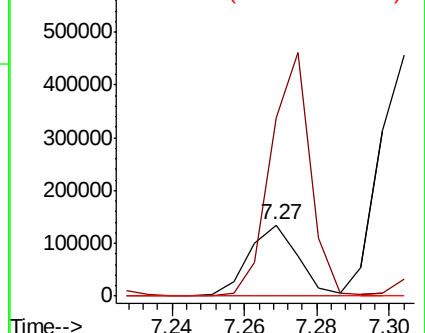
201 0.0 68.9 103.3#



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

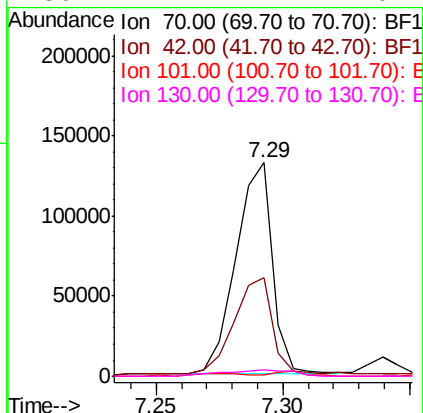
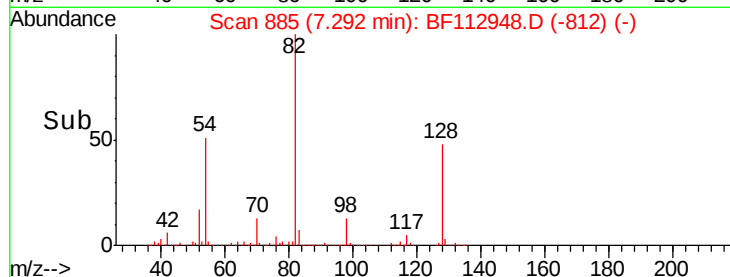
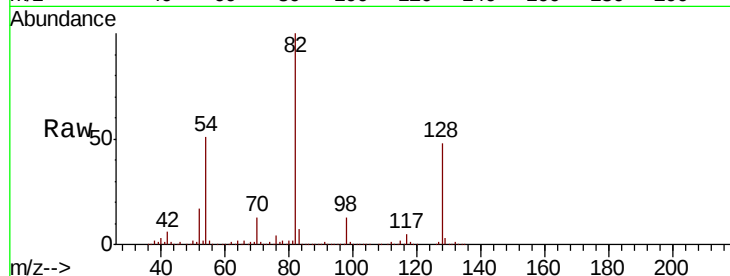




#19
n-Nitroso-di-n-propylamine
Concen: 14.145 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.13 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

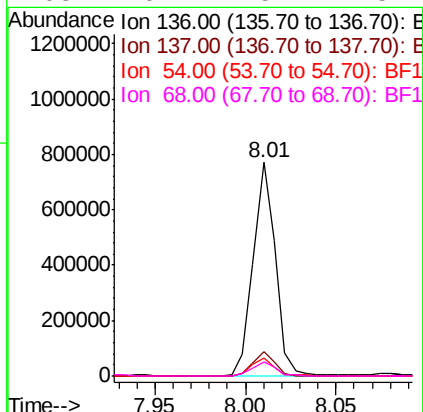
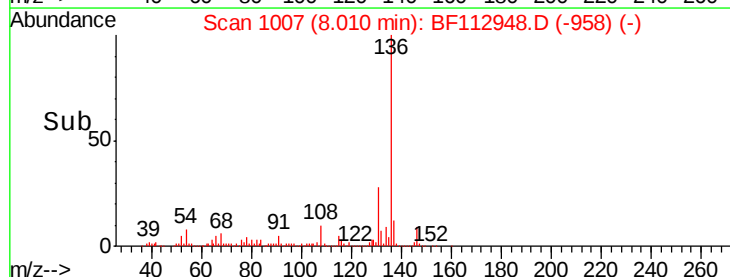
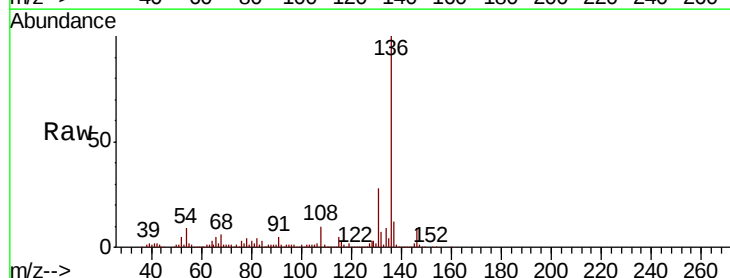
Instrument :
BNA_F
ClientSampleId :

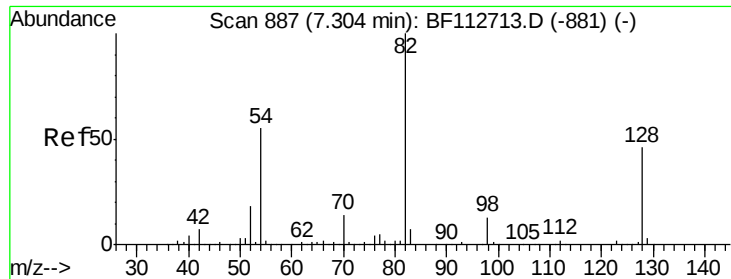
Tot Ion: 70 Resp: 132278
Ion Ratio Lower Upper
70 100
42 45.9 49.9 74.9#
101 0.5 7.4 11.2#
130 2.7 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion: 136 Resp: 663671
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.5 7.3 10.9
68 6.4 5.4 8.2

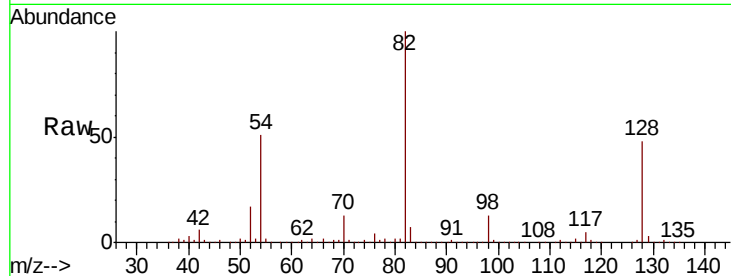




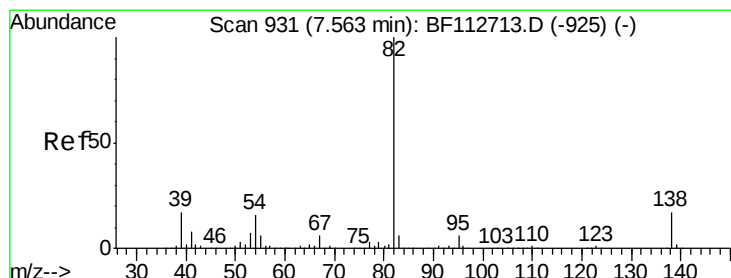
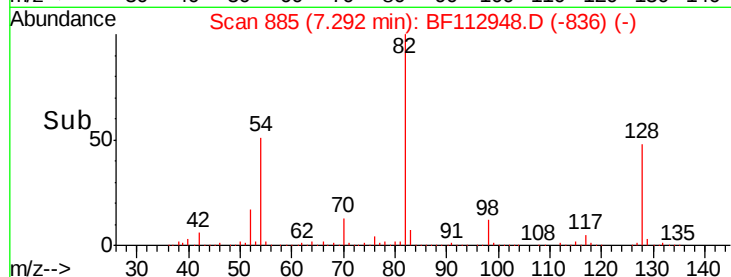
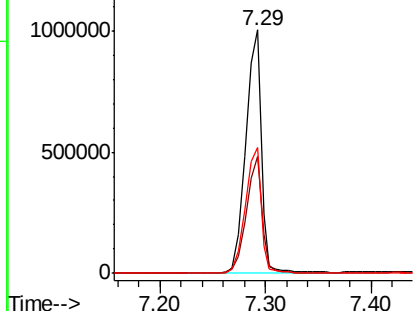
#23
 Nitrobenzene-d5
 Concen: 92.375 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF112948.D
 Acq: 8 Mar 2019 17:00

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1024546
 Ion Ratio Lower Upper
 82 100
 128 48.0 36.3 54.5
 54 51.5 43.7 65.5

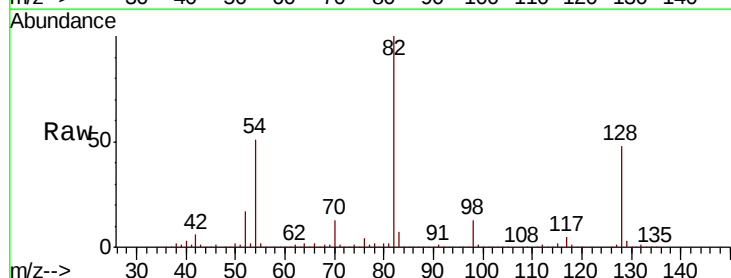


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

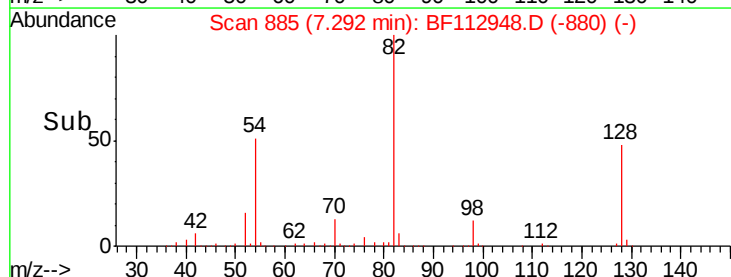
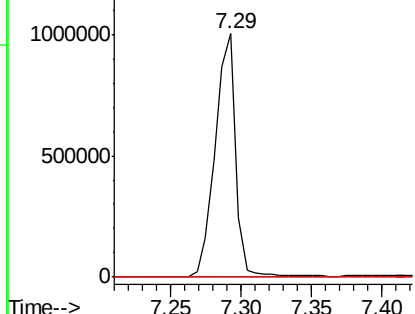


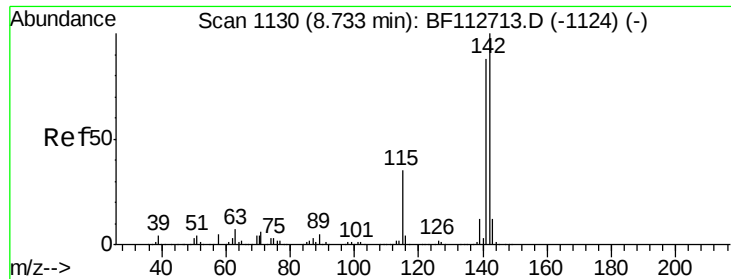
#25
 Isophorone
 Concen: 42.400 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF112948.D
 Acq: 8 Mar 2019 17:00

Tgt Ion: 82 Resp: 1013104
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.2 7.8#
 138 0.0 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

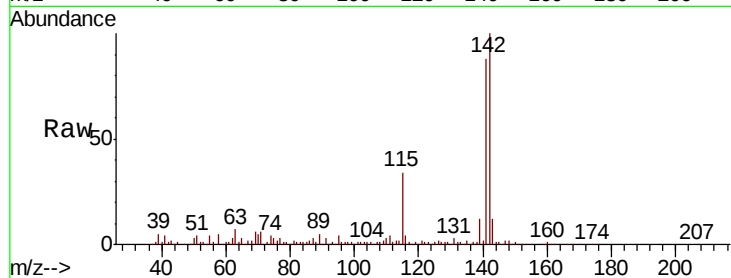




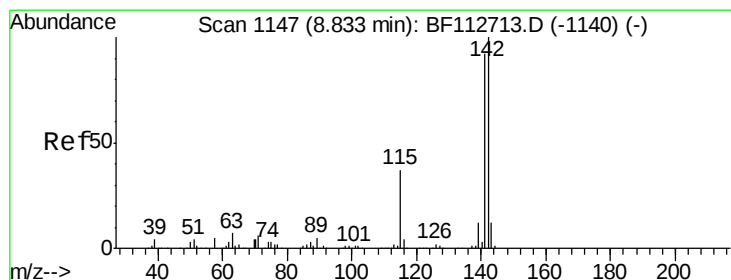
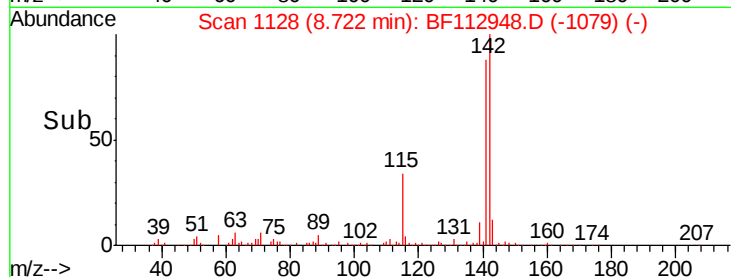
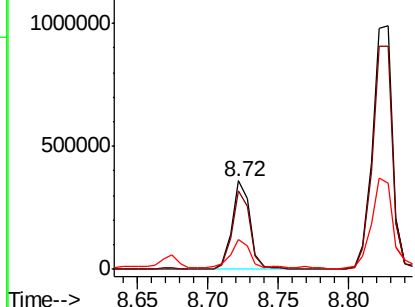
#37
 2-Methylnaphthalene
 Concen: 14.949 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF112948.D
 Acq: 8 Mar 2019 17:00

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:142 Resp: 318099
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.3 105.5
 115 34.2 27.8 41.6

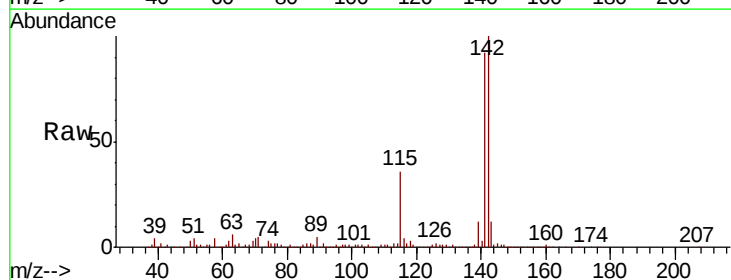


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

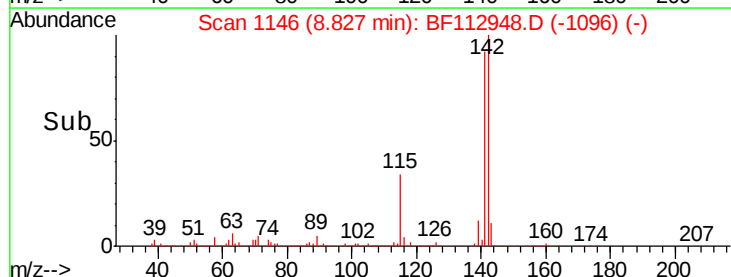
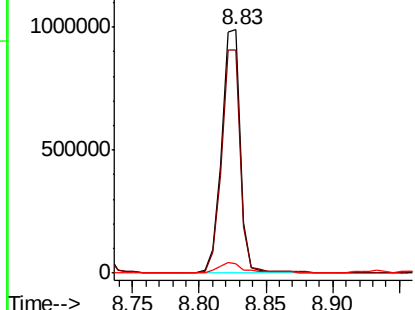


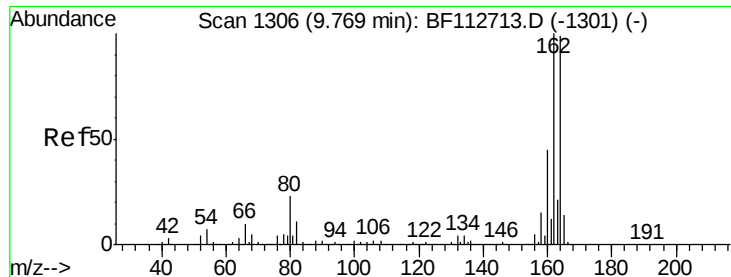
#38
 1-Methylnaphthalene
 Concen: 47.398 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF112948.D
 Acq: 8 Mar 2019 17:00

Tgt Ion:142 Resp: 976971
 Ion Ratio Lower Upper
 142 100
 141 91.8 73.7 110.5
 116 3.9 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

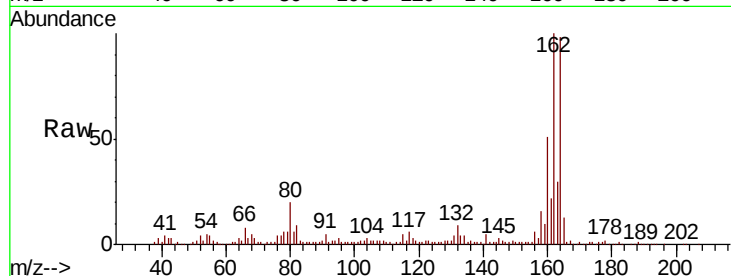




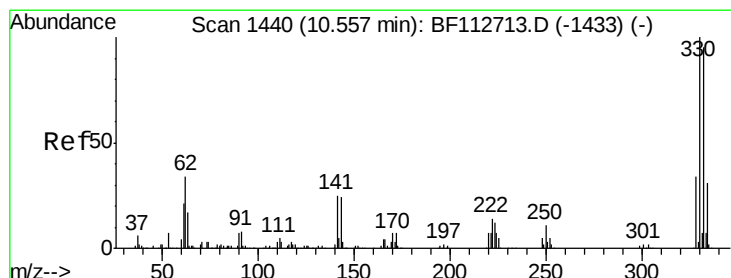
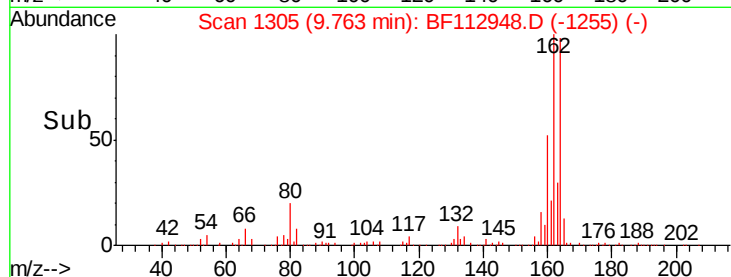
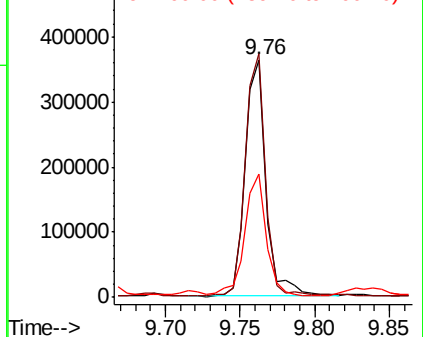
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 351028
Ion Ratio Lower Upper
164 100
162 102.4 80.6 120.8
160 51.9 36.0 54.0

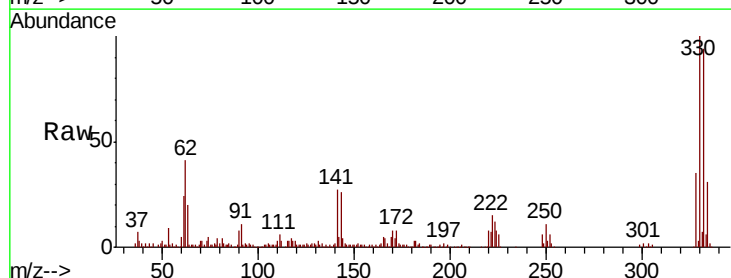


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

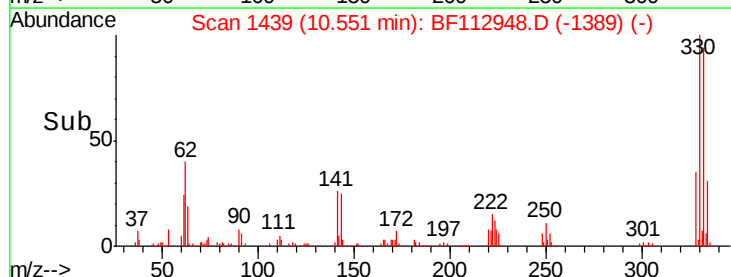
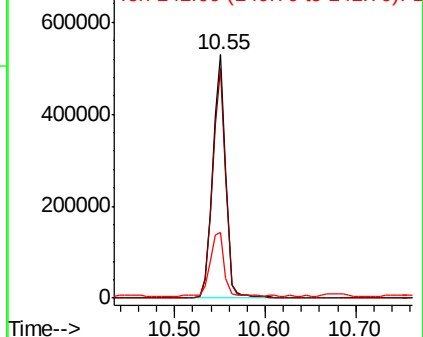


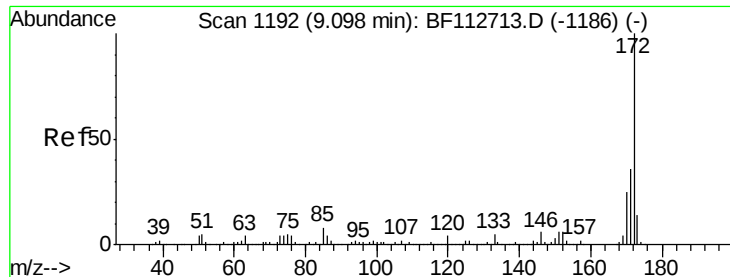
#42
2,4,6-Tribromophenol
Concen: 142.976 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion:330 Resp: 532813
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 28.4 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

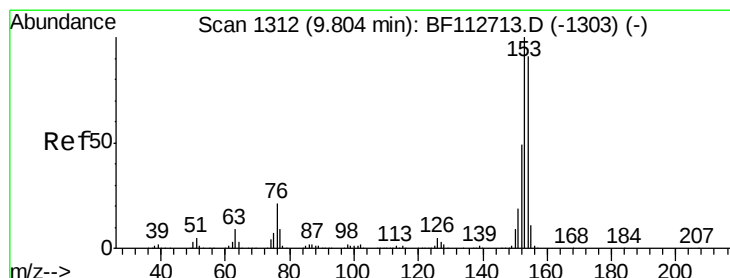
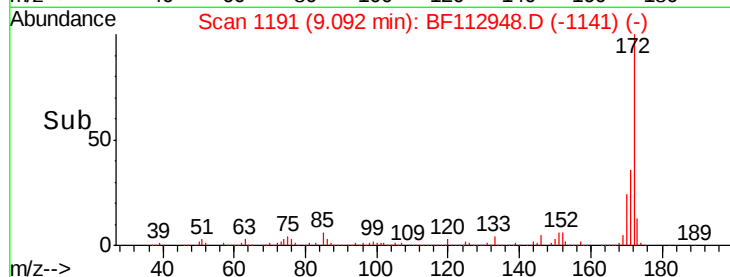
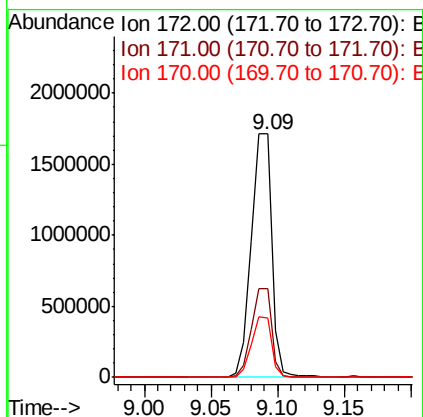
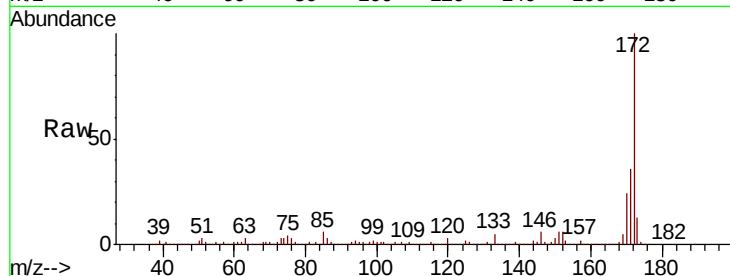




#45
2-Fluorobiphenyl
Concen: 84.851 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

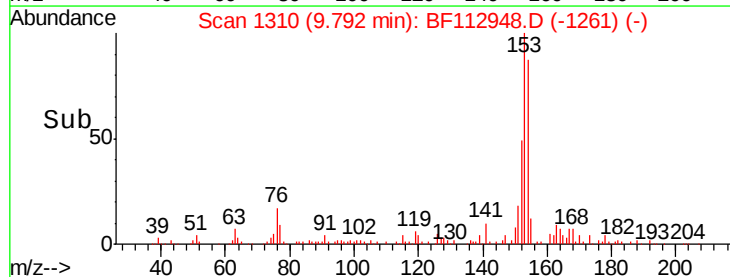
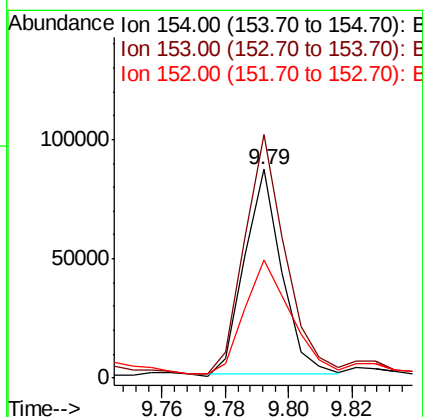
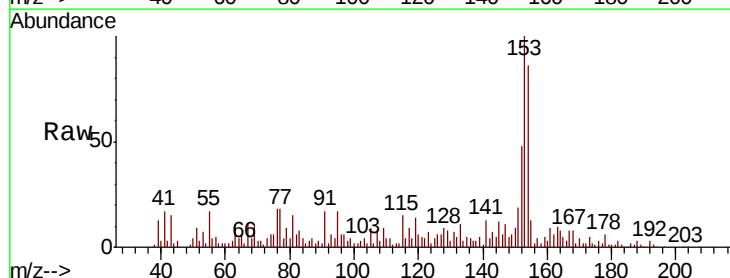
Instrument :
BNA_F
ClientSampleId :

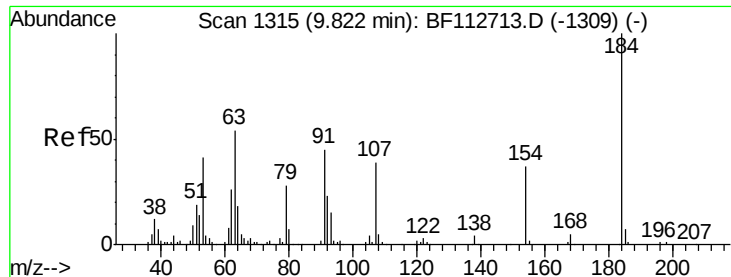
Tot Ion:172 Resp: 1798531
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.4 20.0 30.0



#52
Acenaphthene
Concen: 3.141 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion:154 Resp: 69707
Ion Ratio Lower Upper
154 100
153 116.7 87.8 131.8
152 56.6 43.0 64.6

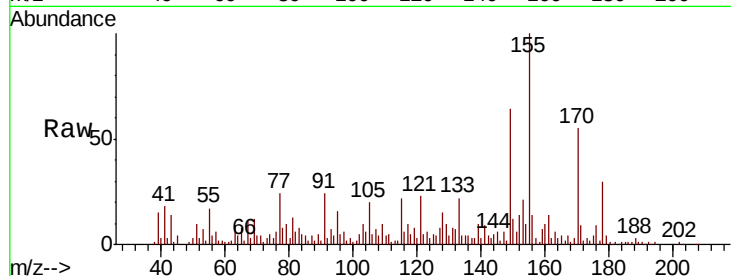




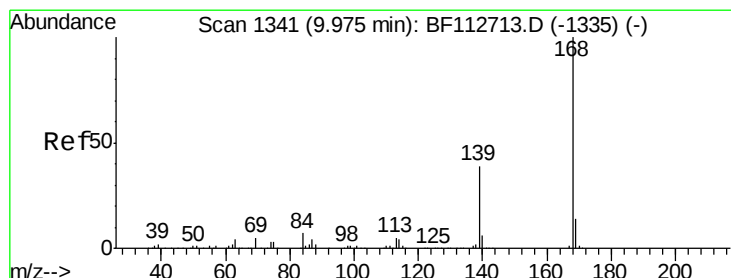
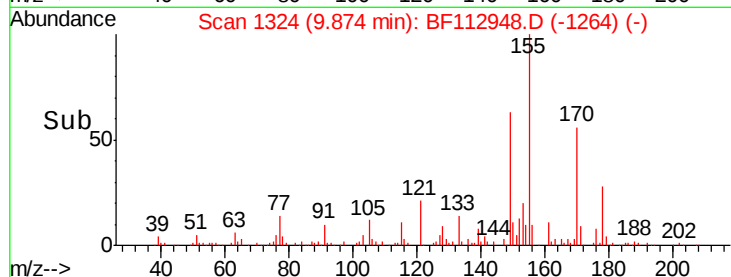
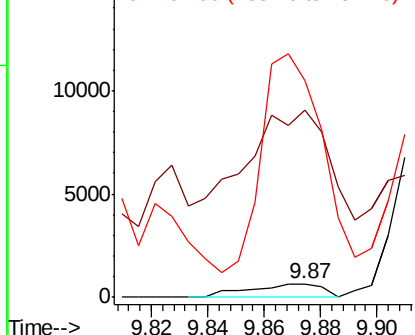
#54
2,4-Dinitrophenol
Concen: 6.938 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.05 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 1162
Ion Ratio Lower Upper
184 100
63 1366.6 45.3 67.9#
154 1585.6 46.0 69.0#

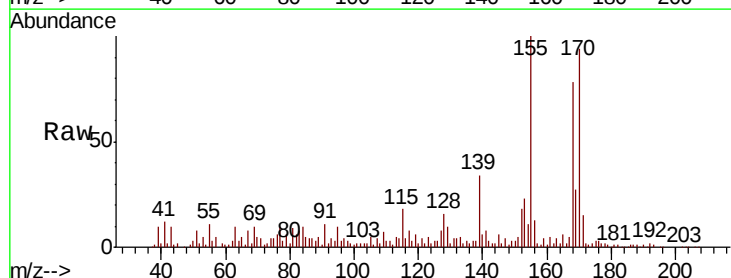


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

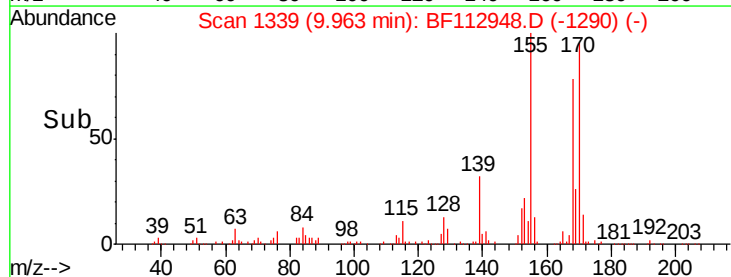
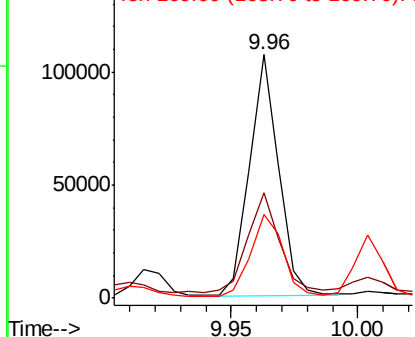


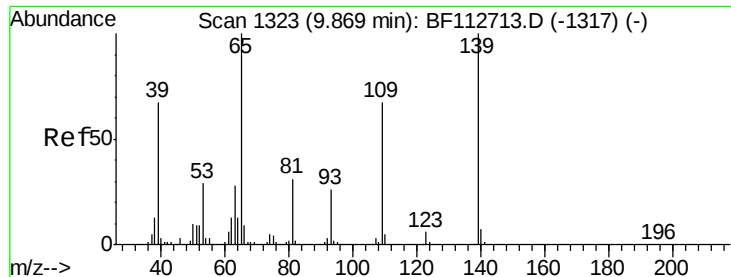
#55
Dibenzofuran
Concen: 2.649 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion:168 Resp: 85460
Ion Ratio Lower Upper
168 100
139 43.3 31.3 46.9
169 34.4 11.3 16.9#



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

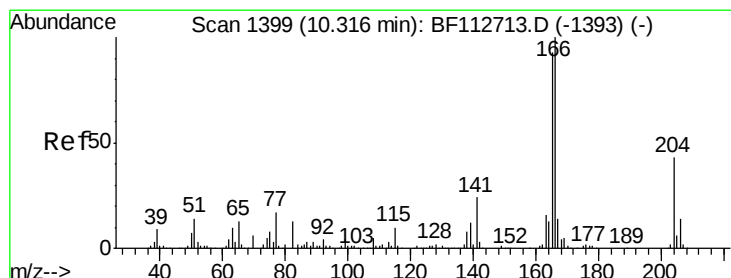
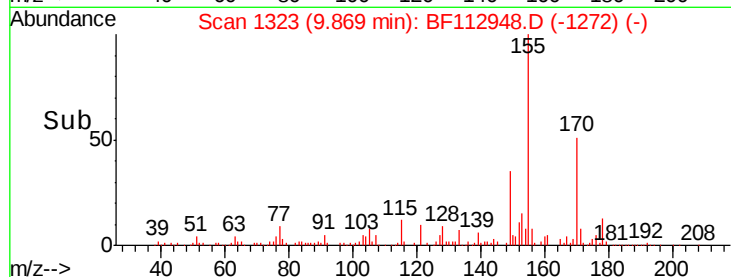
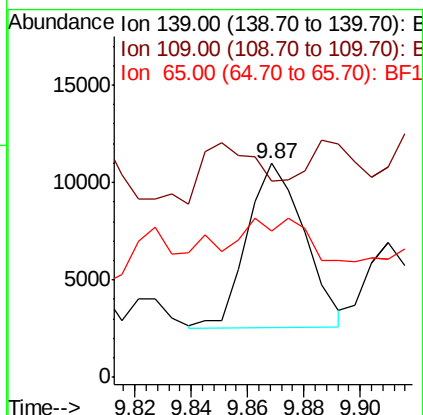
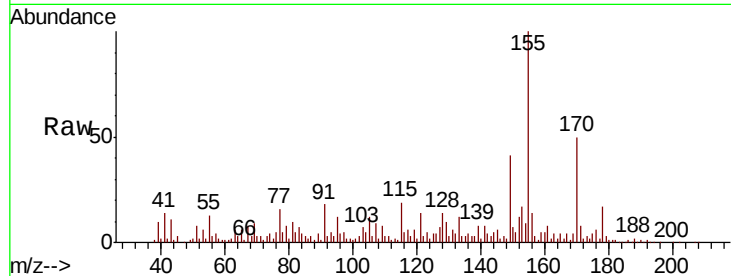




#56
4-Nitrophenol
Concen: 2.212 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

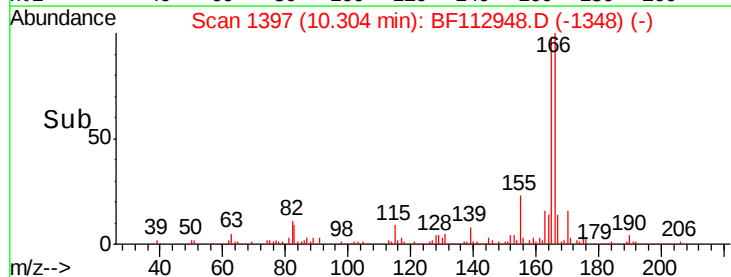
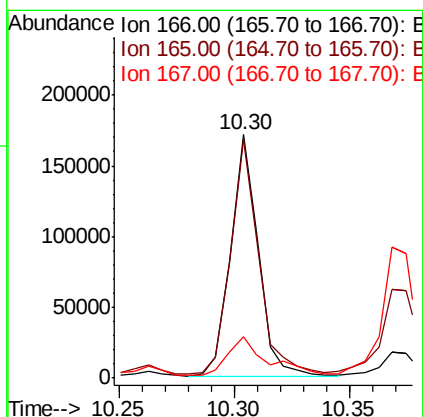
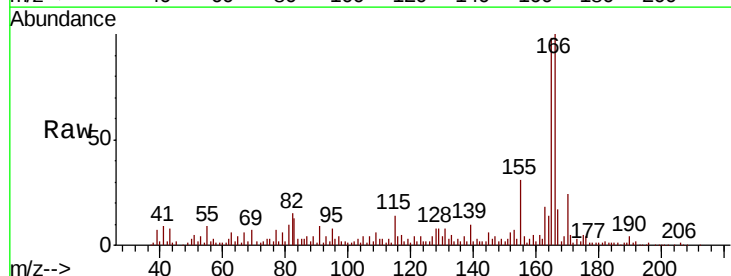
Instrument :
BNA_F
ClientSampled :

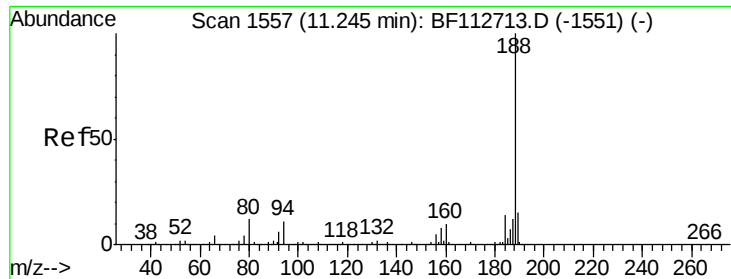
Tot Ion:139 Resp: 11807
Ion Ratio Lower Upper
139 100
109 91.8 46.8 86.8#
65 68.3 80.7 120.7#



#58
Fluorene
Concen: 6.172 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion:166 Resp: 141308
Ion Ratio Lower Upper
166 100
165 98.0 74.7 112.1
167 16.9 11.0 16.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

Instrument :

BNA_F

ClientSampled :

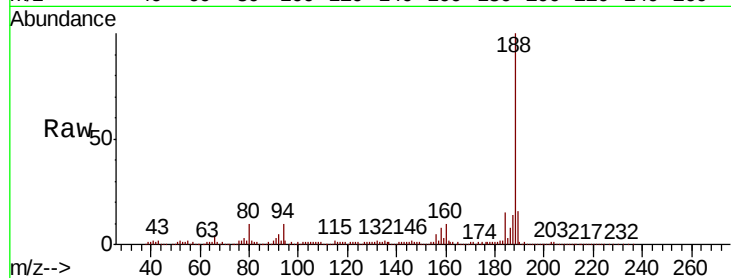
Tot Ion:188 Resp: 708492

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.4

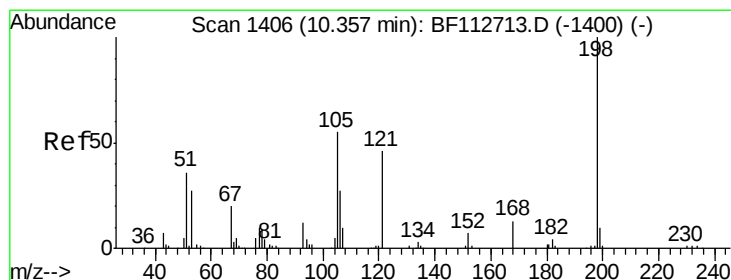
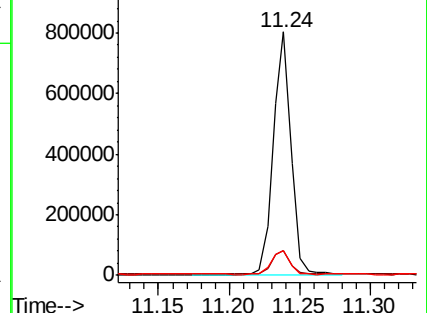
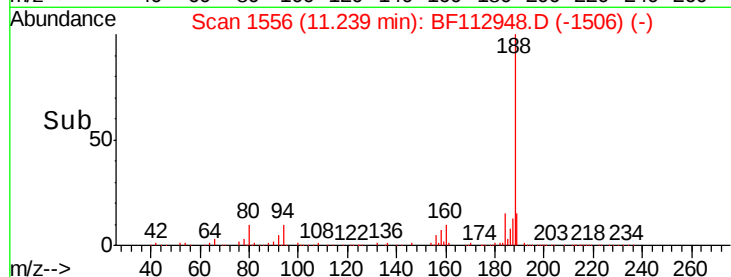
80 10.4 9.2 13.8



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: 4.740 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

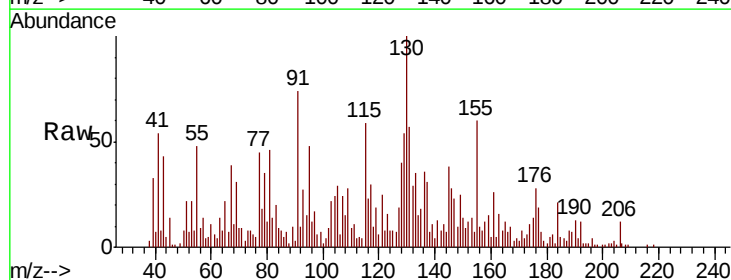
Tgt Ion:198 Resp: 409

Ion Ratio Lower Upper

198 100

51 2155.5 43.8 83.8#

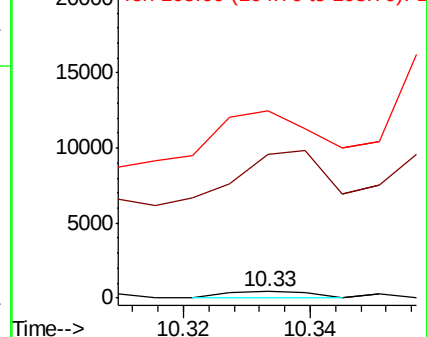
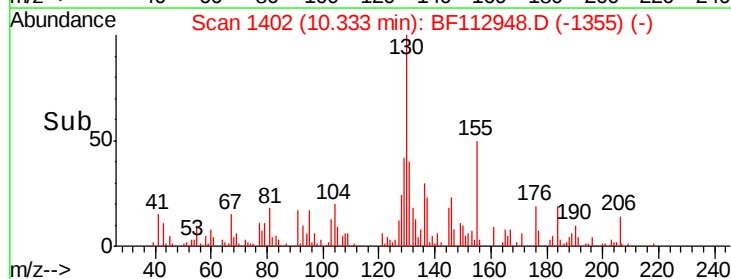
105 2810.6 36.5 76.5#

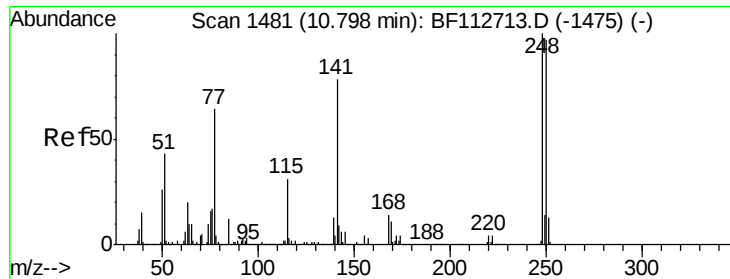


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

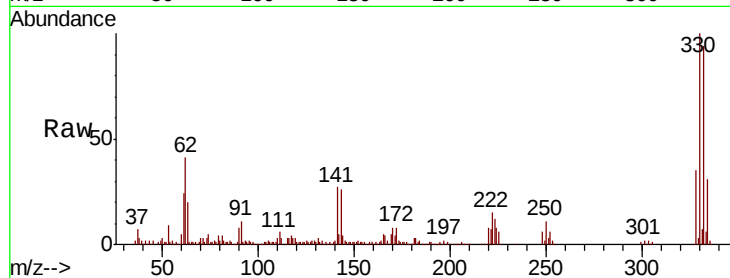




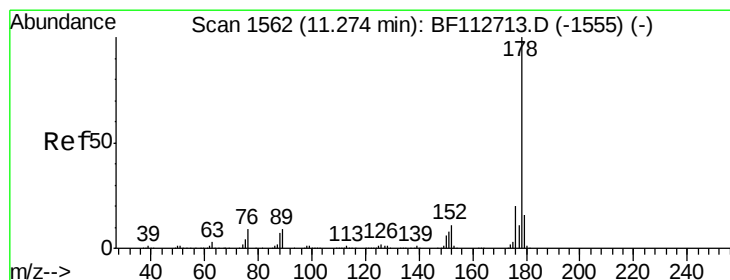
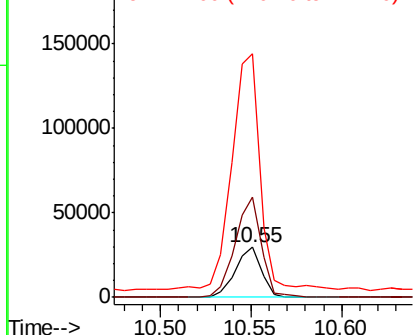
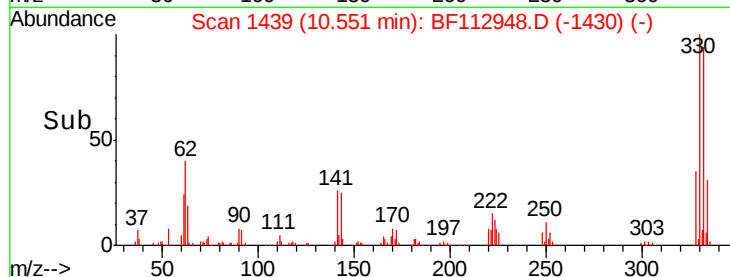
#67
4-Bromophenyl-phenylether
Concen: 4.019 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 29992
Ion Ratio Lower Upper
248 100
250 200.4 77.5 116.3#
141 486.8 62.4 93.6#

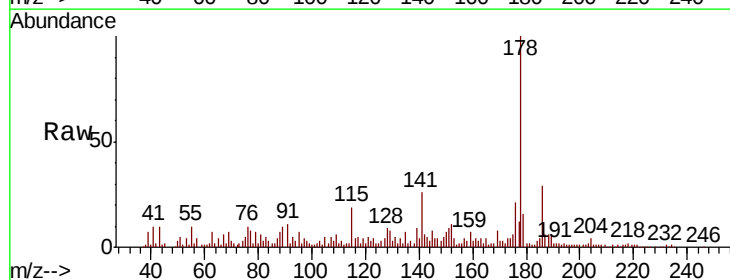


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

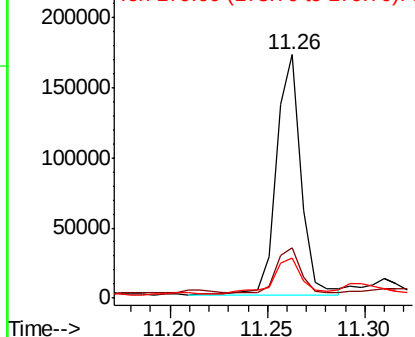
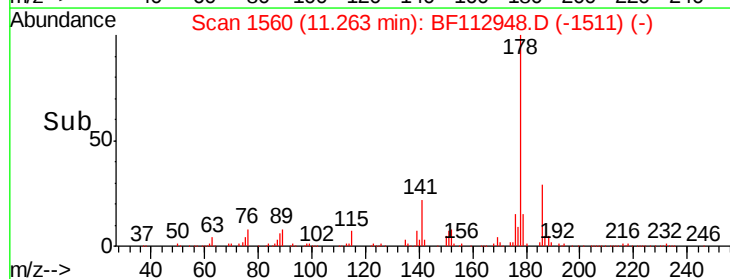


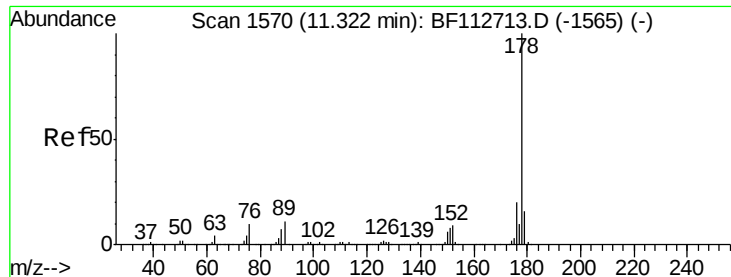
#71
Phenanthrene
Concen: 4.211 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112948.D
Acq: 8 Mar 2019 17:00

Tgt Ion:178 Resp: 148438
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 16.4 12.7 19.1



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





#72

Anthracene

Concen: 4.023 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.06 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

Instrument :

BNA_F

ClientSampleId :

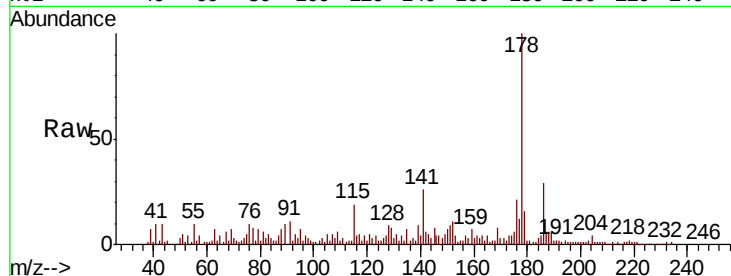
Tot Ion:178 Resp: 148438

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.6

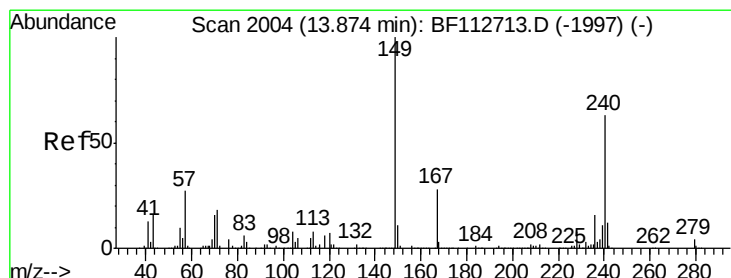
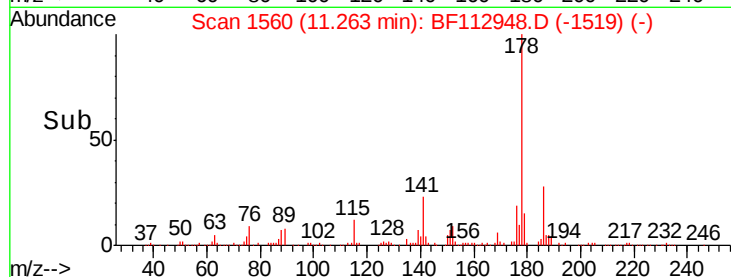
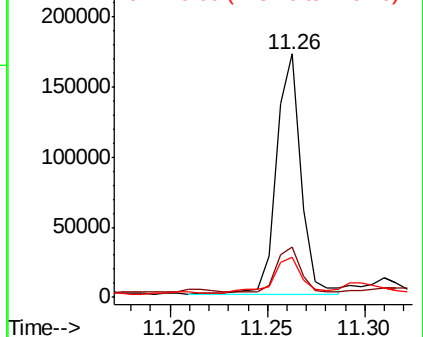
179 16.4 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

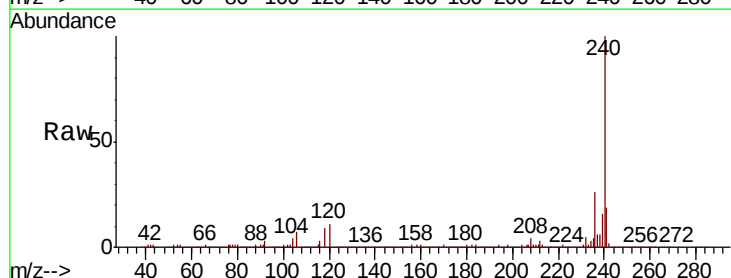
Tgt Ion:240 Resp: 574714

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

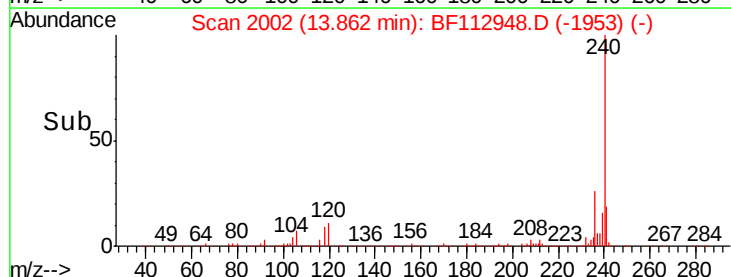
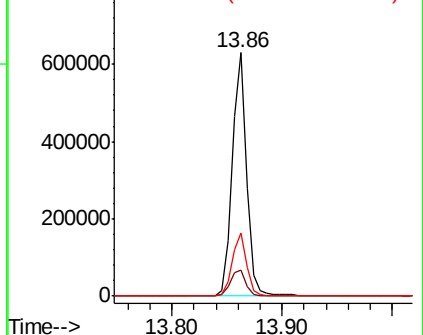
236 26.1 20.7 31.1

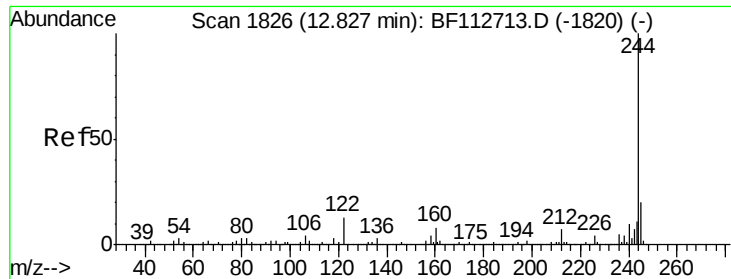


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 72.794 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

Instrument :

BNA_F

ClientSampled :

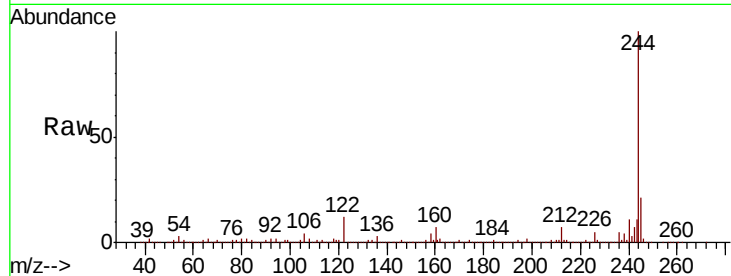
Tot Ion:244 Resp: 2158164

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 12.2 10.5 15.7

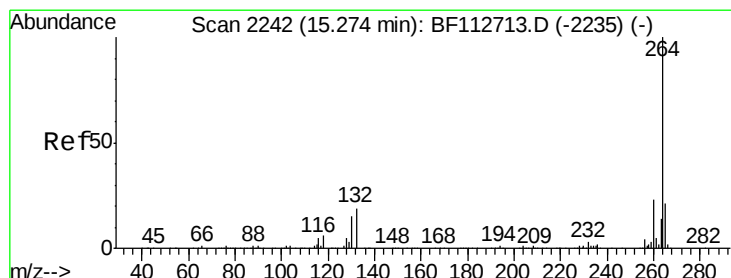
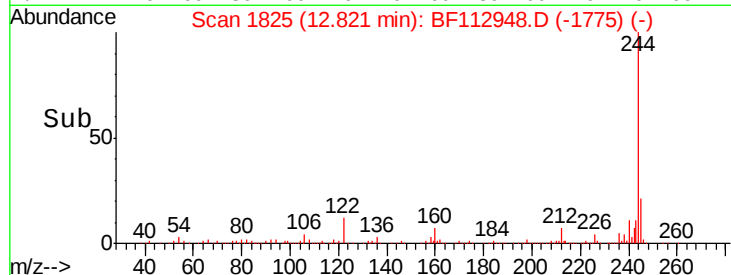
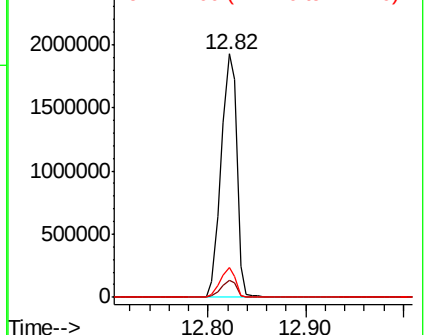


Abundance

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: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112948.D

Acq: 8 Mar 2019 17:00

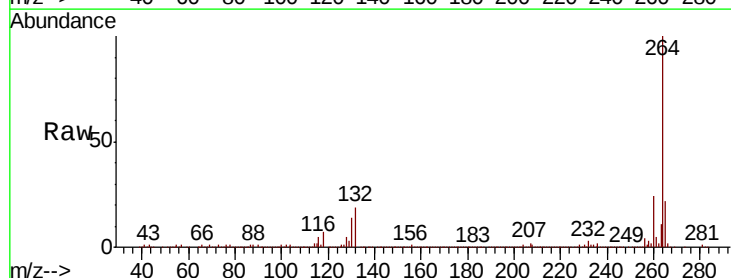
Tgt Ion:264 Resp: 529072

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 21.7 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

