

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031919\
 Data File : BF113128.D
 Acq On : 19 Mar 2019 16:28
 Operator : JU/SJ
 Sample : K1970-09 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 17:07:12 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	6.72	152	177569	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	708653	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	337117	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	646307	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	407660	20.00	ng	0.00
87) Perylene-d12	15.27	264	419726	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	73194	6.41	ng	-0.02
7) Phenol-d6	6.36	99	114293	7.97	ng	-0.02
23) Nitrobenzene-d5	7.27	82	65898	5.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	25344	7.08	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	124685	3.51	ng	-0.01
79) Terphenyl-d14	12.81	244	120892	5.75	ng	-0.01

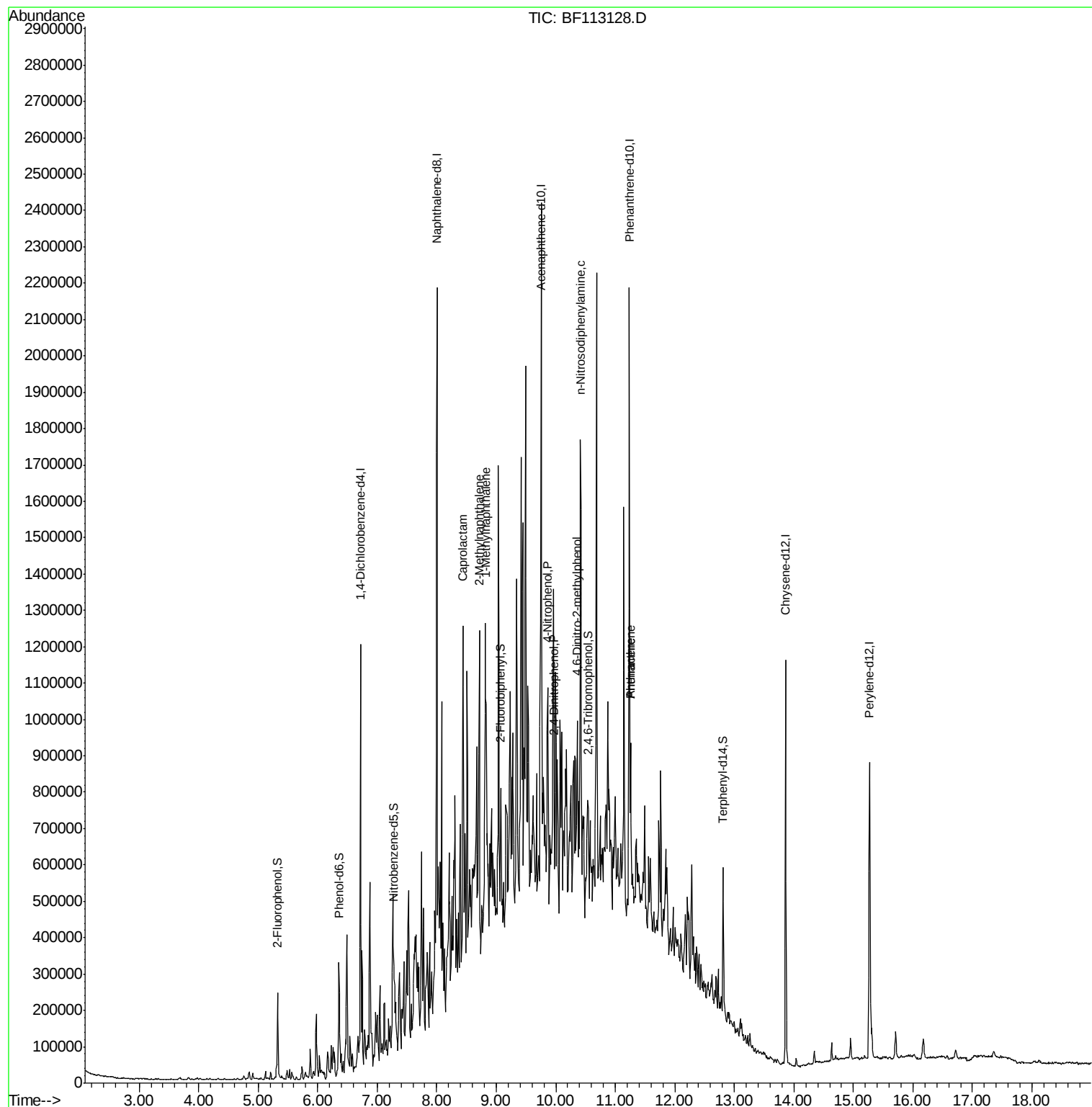
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
35) Caprolactam	8.44	113	21306	6.111	ng	# 53
37) 2-Methylnaphthalene	8.72	142	236938	10.428	ng	100
38) 1-Methylnaphthalene	8.82	142	196860	8.944	ng	98
54) 2,4-Dinitrophenol	9.97	184	808	6.804	ng	# 1
56) 4-Nitrophenol	9.86	139	13752	2.683	ng	# 57
65) 4,6-Dinitro-2-methylphenol	10.37	198	411	4.753	ng	# 1
66) n-Nitrosodiphenylamine	10.42	169	57912	2.794	ng	# 52
71) Phenanthrene	11.26	178	129444	4.025	ng	97
72) Anthracene	11.26	178	129444	3.846	ng	98

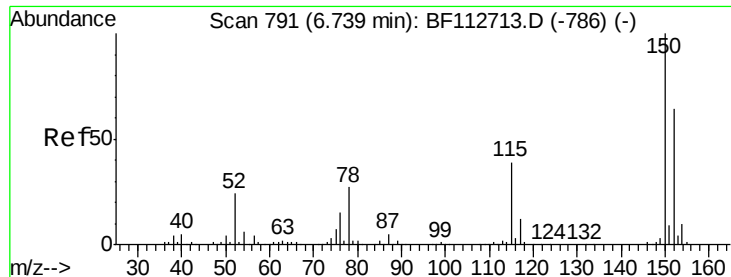
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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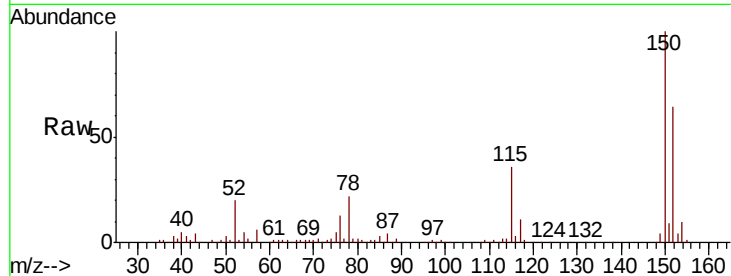


#1

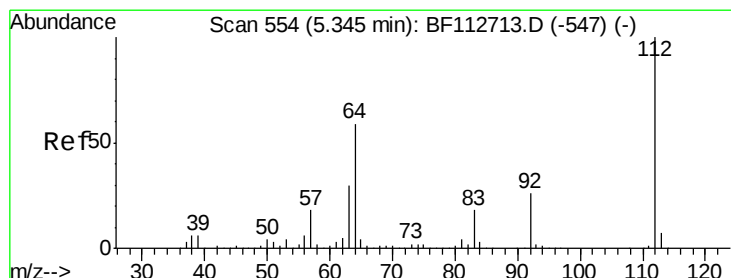
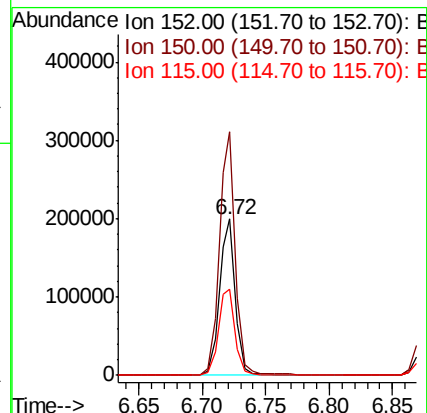
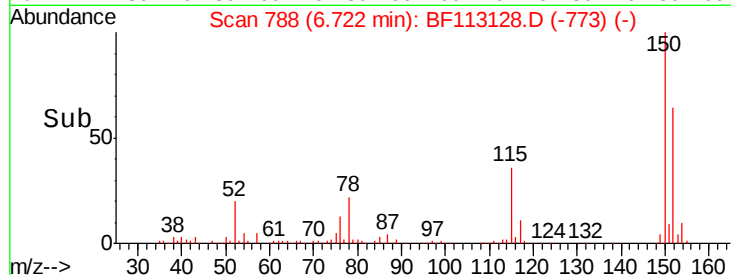
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 177569
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.2 186.2
 115 55.4 48.2 72.4



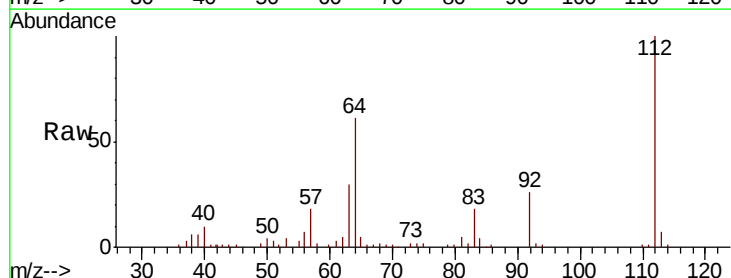
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



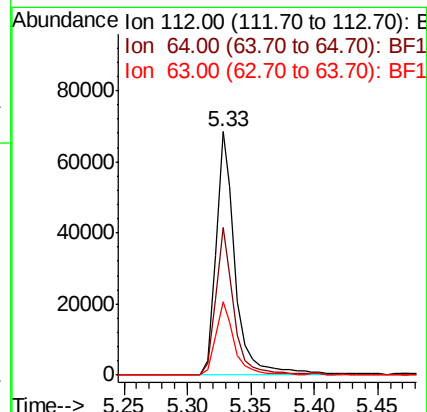
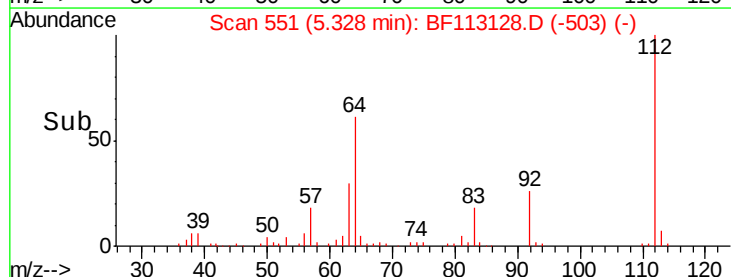
#5

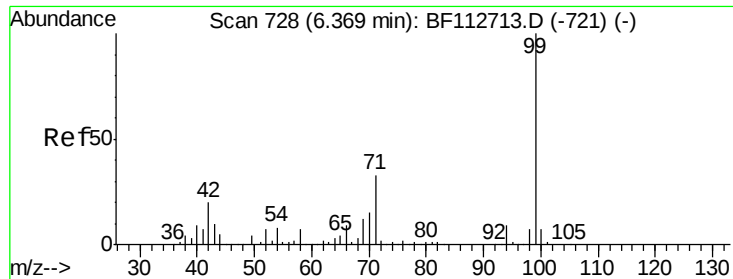
2-Fluorophenol
 Concen: 6.412 ng
 RT: 5.33 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

Tgt Ion:112 Resp: 73194
 Ion Ratio Lower Upper
 112 100
 64 60.7 47.6 71.4
 63 30.2 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: 7.971 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113128.D

Acq: 19 Mar 2019 16:28

Instrument :

BNA_F

ClientSampled :

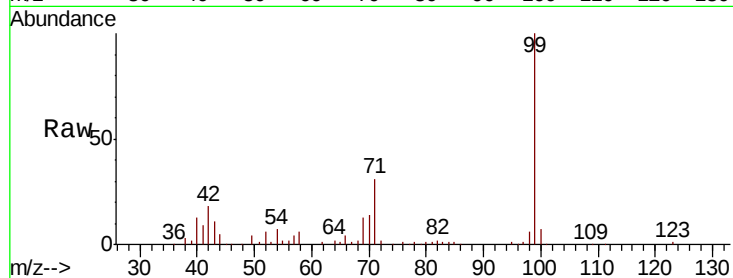
Tot Ion: 99 Resp: 114293

Ion Ratio Lower Upper

99 100

42 17.6 16.3 24.5

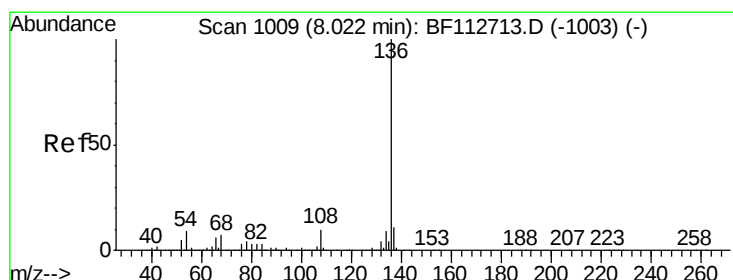
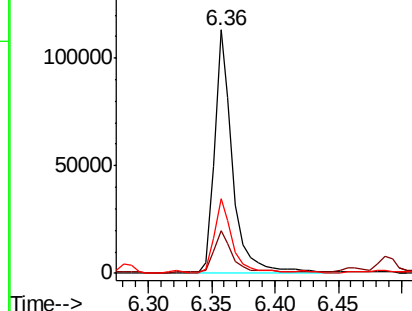
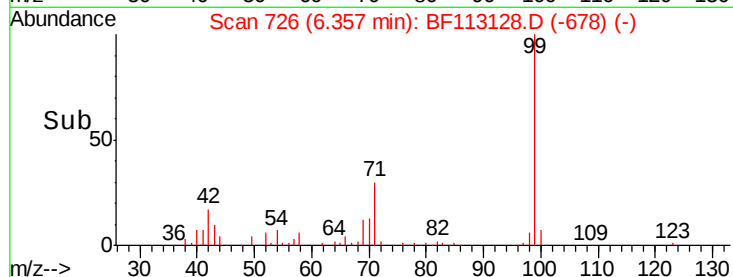
71 30.7 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113128.D

Acq: 19 Mar 2019 16:28

Tgt Ion: 136 Resp: 708653

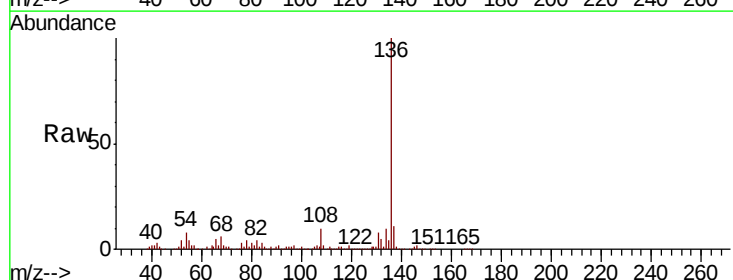
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.2 7.3 10.9

68 6.3 5.4 8.2

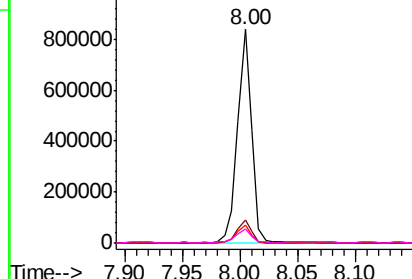
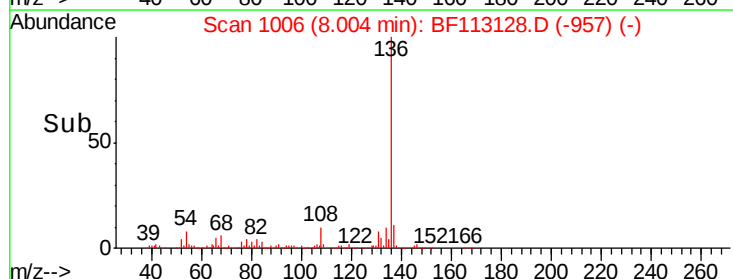


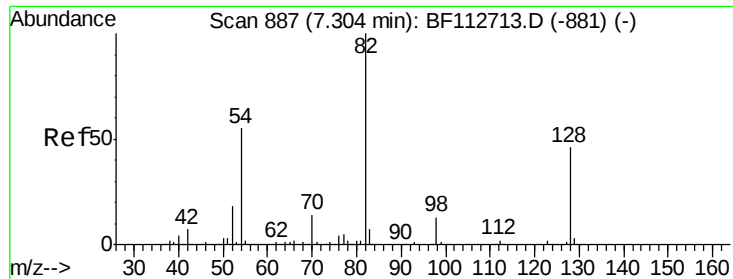
Abundance Ion 136.00 (135.70 to 136.70): E

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

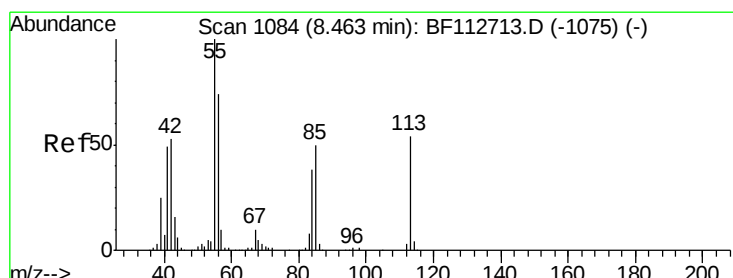
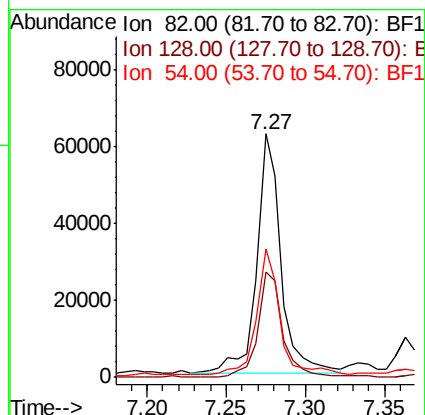
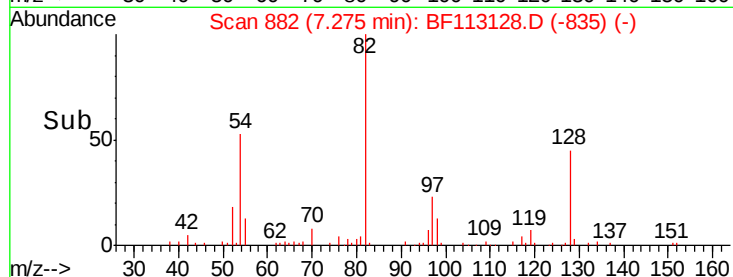
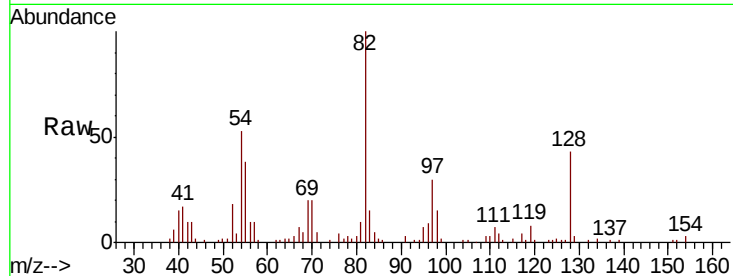




#23
Nitrobenzene-d5
Concen: 5.564 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

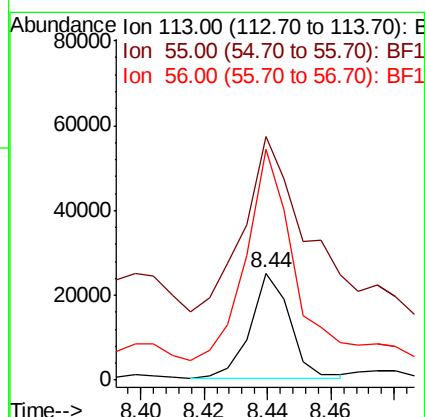
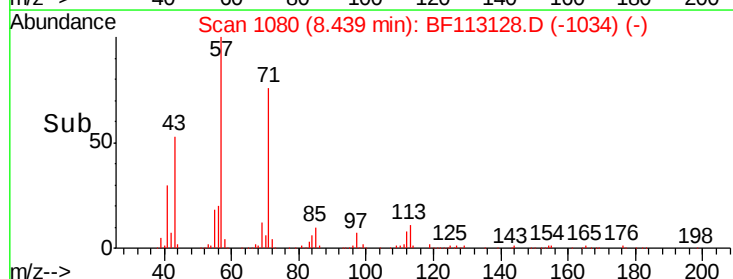
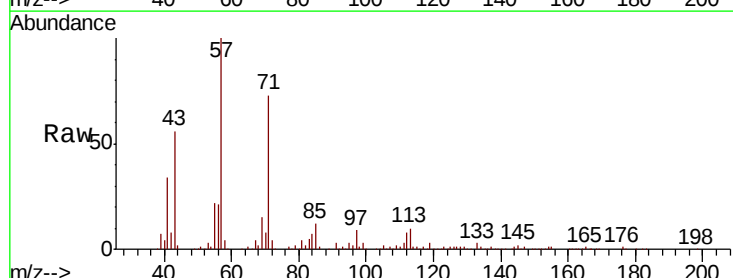
Instrument :
BNA_F
ClientSampleId :

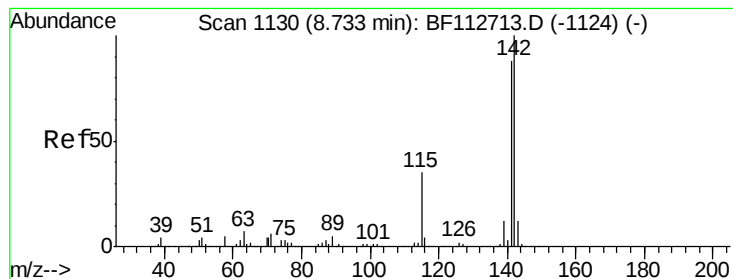
Tot Ion	82	Resp	65898
Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.3	54.5
54	52.6	43.7	65.5



#35
Caprolactam
Concen: 6.111 ng
RT: 8.44 min Scan# 1080
Delta R.T. -0.03 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

Tgt Ion	113	Resp	21306
Ion	Ratio	Lower	Upper
113	100		
55	227.9	163.5	203.5#
56	216.3	115.3	155.3#





#37

2-Methylnaphthalene

Concen: 10.428 ng

RT: 8.72 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF113128.D

Acq: 19 Mar 2019 16:28

Instrument :

BNA_F

ClientSampleId :

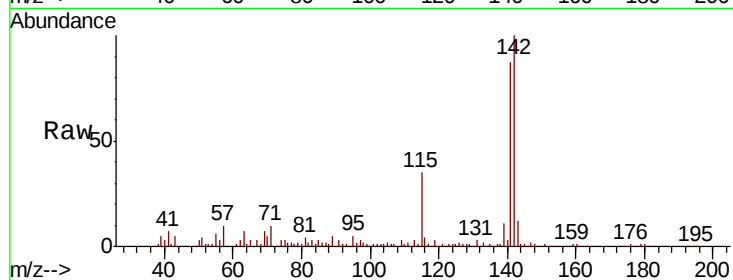
Tot Ion:142 Resp: 236938

Ion Ratio Lower Upper

142 100

141 87.5 70.3 105.5

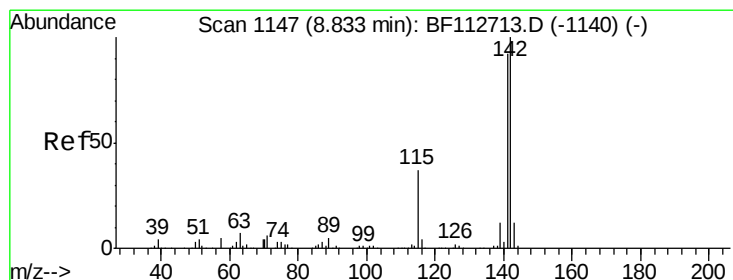
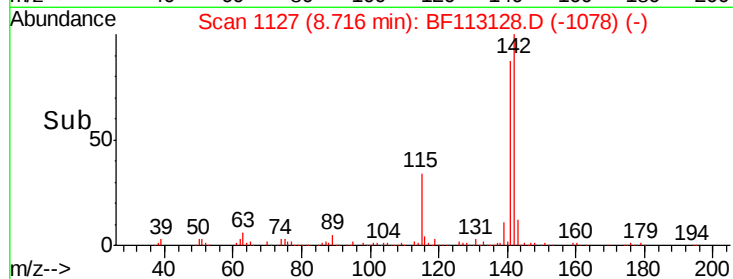
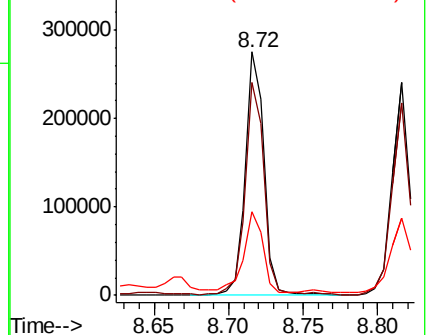
115 34.5 27.8 41.6



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: 8.944 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF113128.D

Acq: 19 Mar 2019 16:28

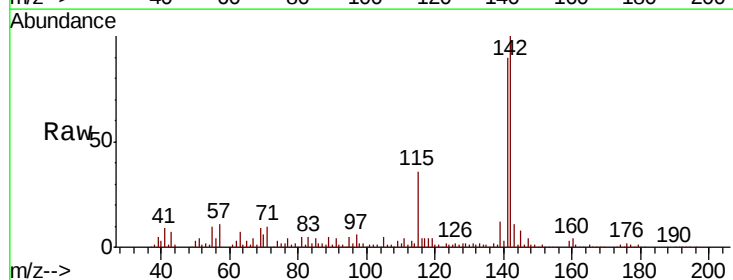
Tgt Ion:142 Resp: 196860

Ion Ratio Lower Upper

142 100

141 90.3 73.7 110.5

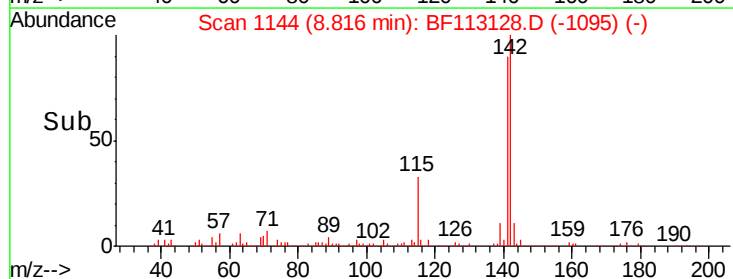
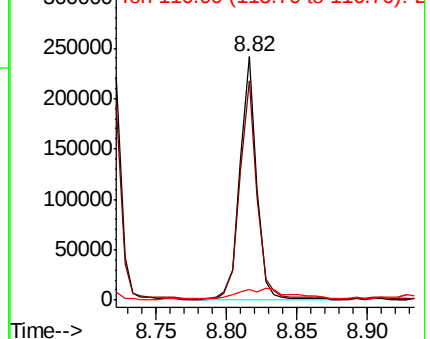
116 4.3 3.1 4.7

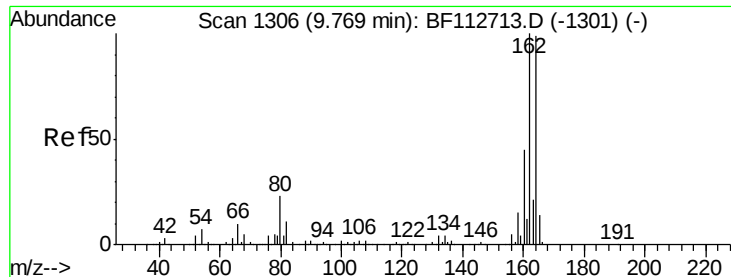


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

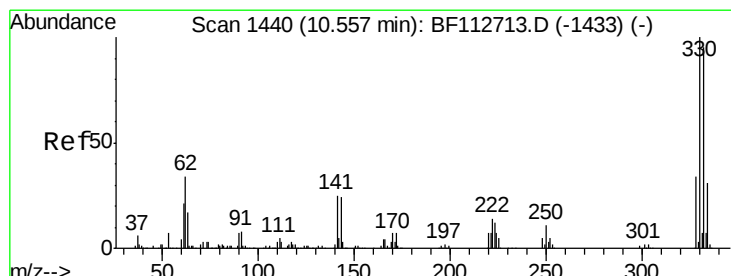
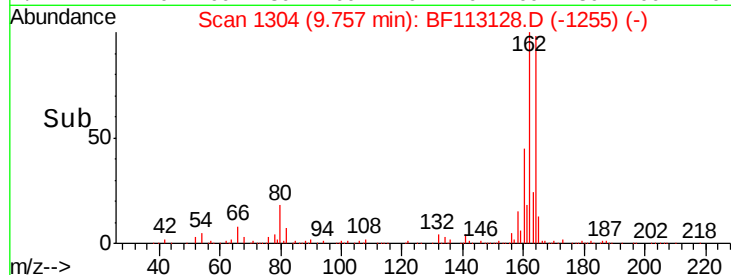
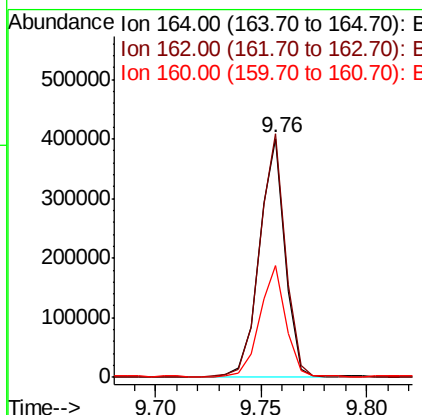
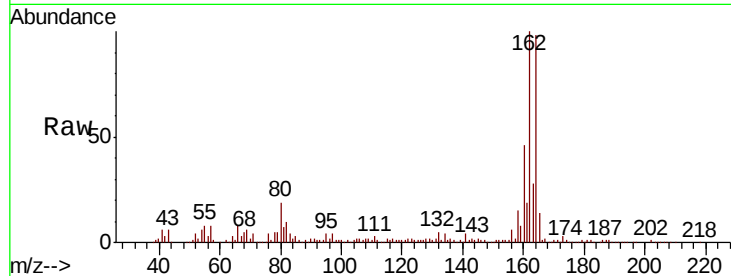




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

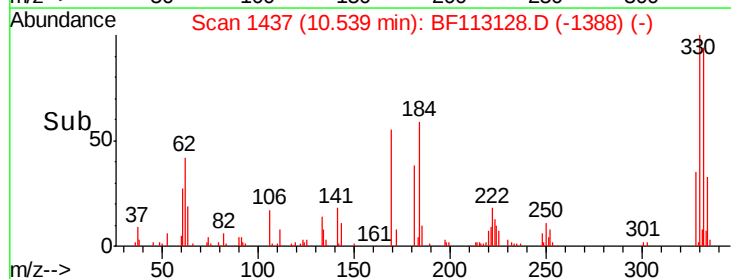
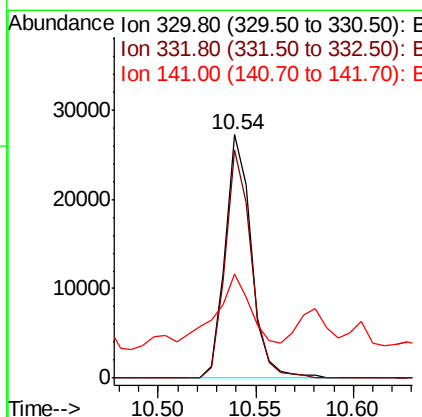
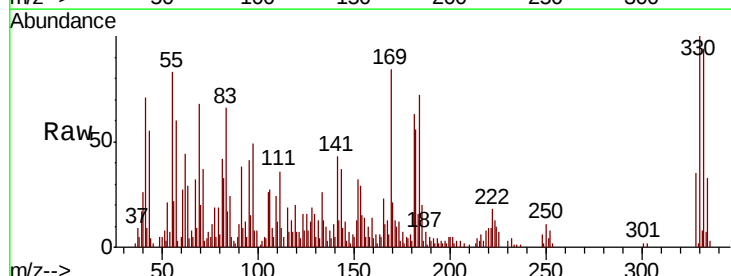
Instrument :
BNA_F
ClientSampleId :

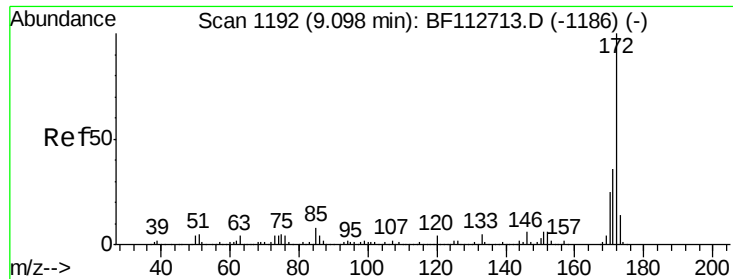
Tot Ion:164 Resp: 337117
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 46.6 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 7.081 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

Tgt Ion:330 Resp: 25344
Ion Ratio Lower Upper
330 100
332 93.4 76.2 114.4
141 49.3 27.0 40.6#

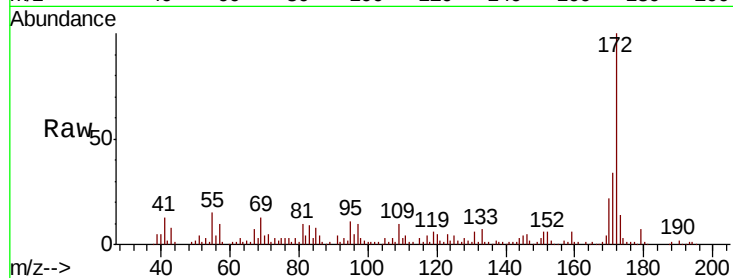




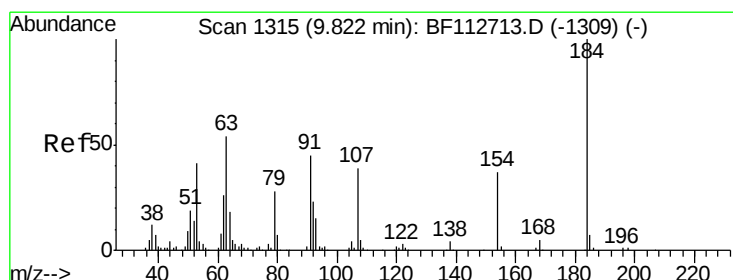
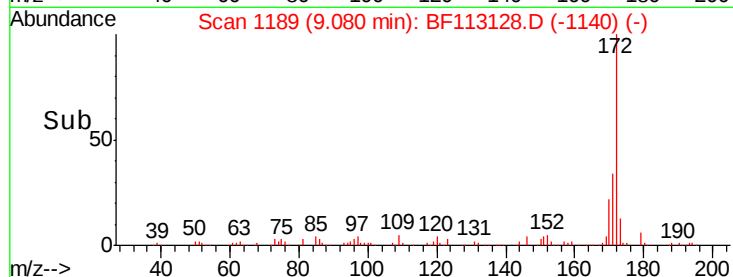
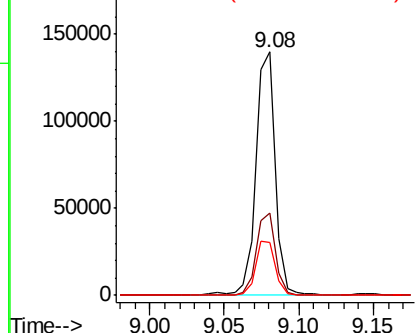
#45
 2-Fluorobiphenyl
 Concen: 3.515 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.0	43.4
170	22.0	20.0	30.0

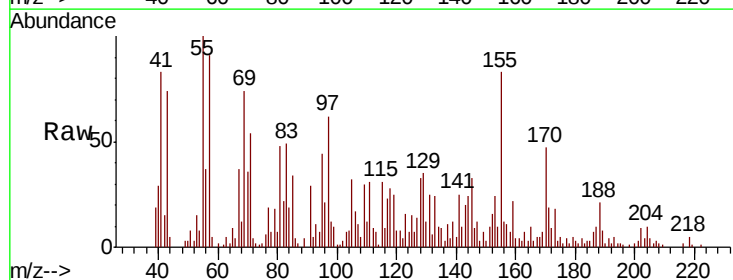


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

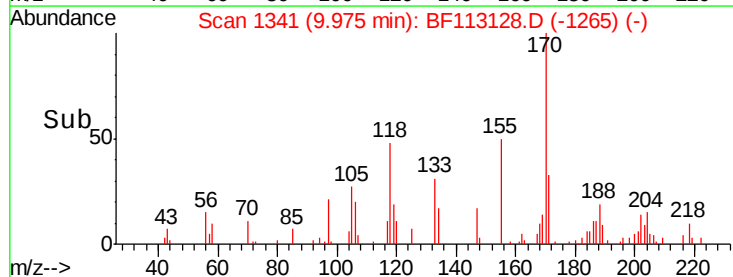
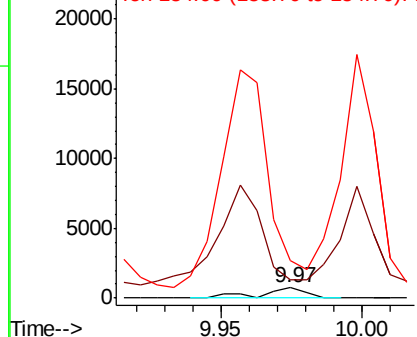


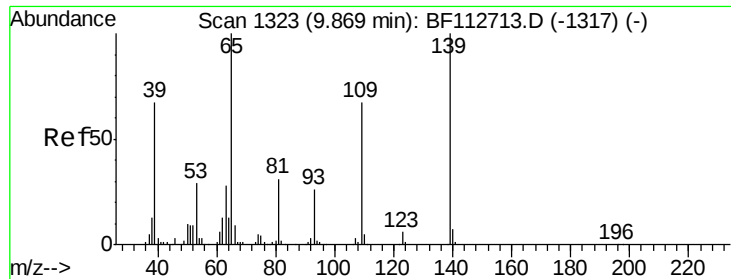
#54
 2,4-Dinitrophenol
 Concen: 6.804 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.15 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	177.9	45.3	67.9#
154	367.2	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

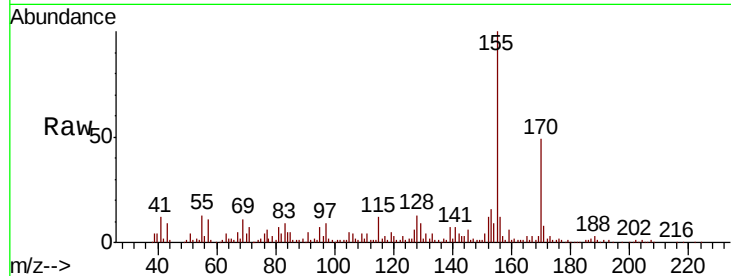




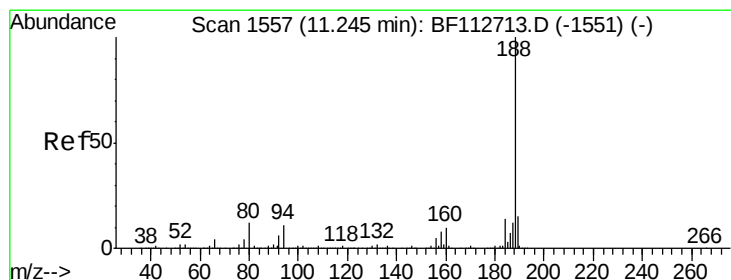
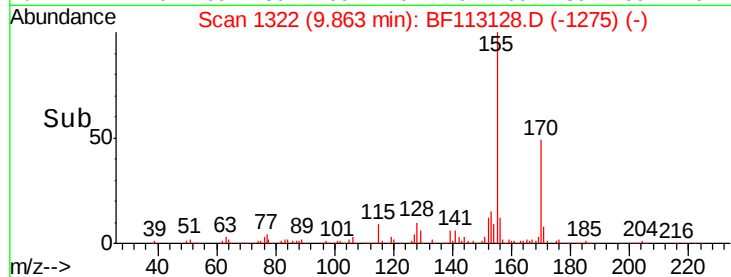
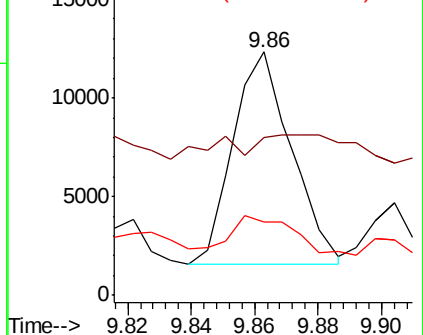
#56
4-Nitrophenol
Concen: 2.683 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 13752
Ion Ratio Lower Upper
139 100
109 65.0 46.8 86.8
65 30.3 80.7 120.7#

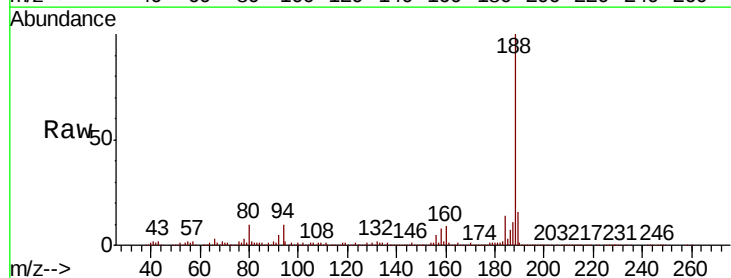


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

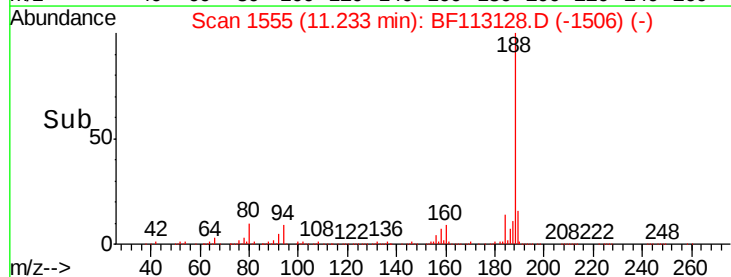
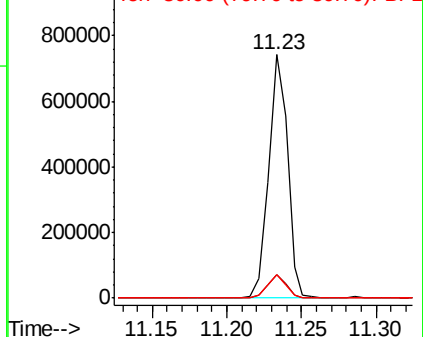


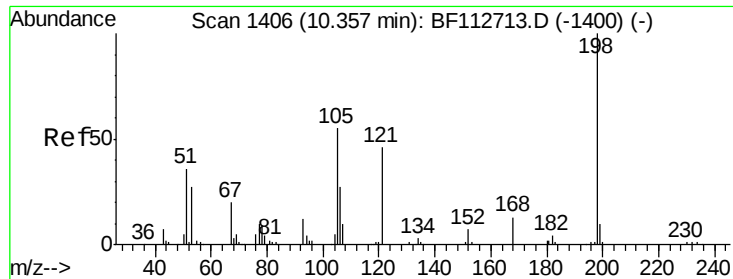
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

Tgt Ion:188 Resp: 646307
Ion Ratio Lower Upper
188 100
94 9.6 9.0 13.4
80 9.8 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

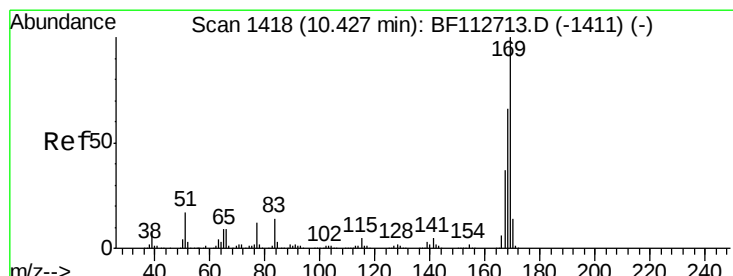
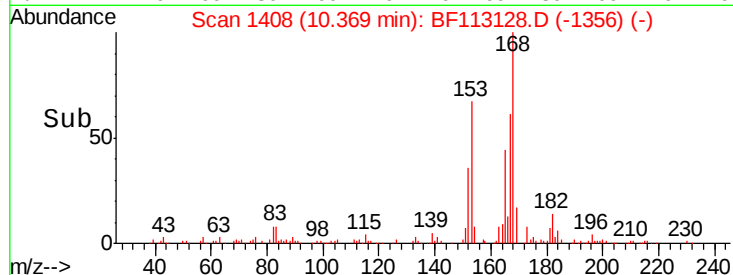
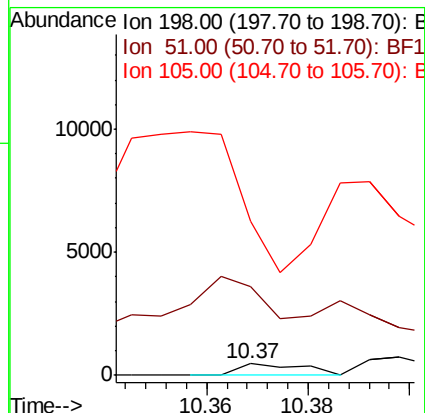
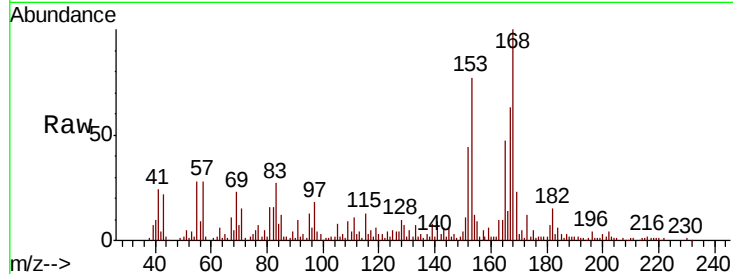




#65
4,6-Dinitro-2-methylphenol
Concen: 4.753 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

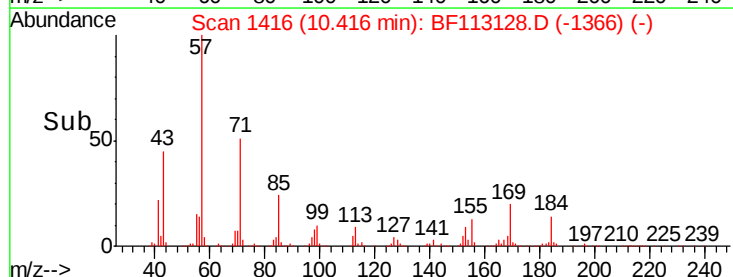
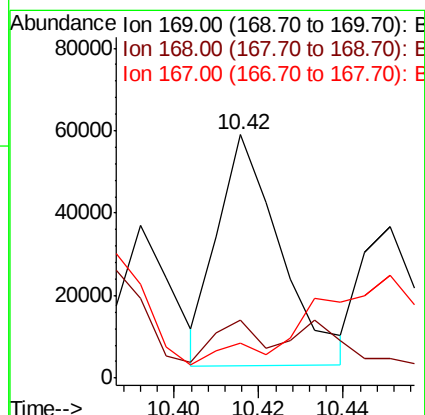
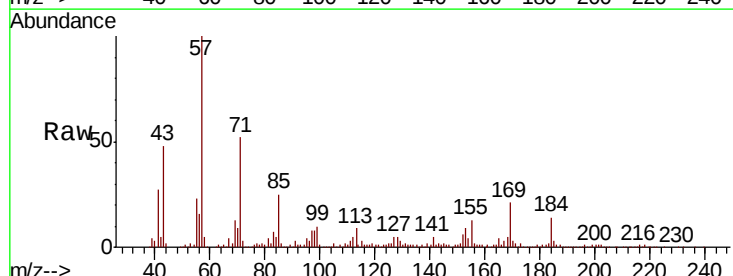
Instrument :
BNA_F
ClientSampleId :

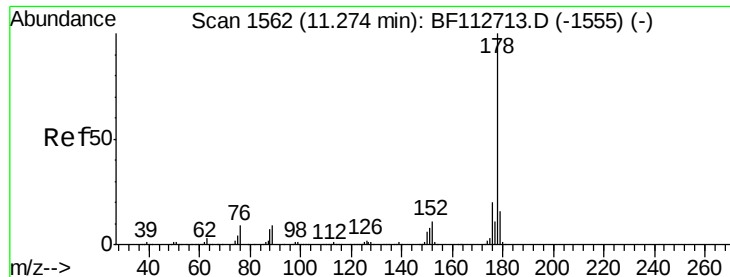
Tot Ion:198 Resp: 411
Ion Ratio Lower Upper
198 100
51 781.7 43.8 83.8#
105 1348.1 36.5 76.5#



#66
n-Nitrosodiphenylamine
Concen: 2.794 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF113128.D
Acq: 19 Mar 2019 16:28

Tgt Ion:169 Resp: 57912
Ion Ratio Lower Upper
169 100
168 23.8 53.0 79.6#
167 14.6 29.3 43.9#





#71

Phenanthrene

Concen: 4.025 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113128.D

Acq: 19 Mar 2019 16:28

Instrument :

BNA_F

ClientSampleId :

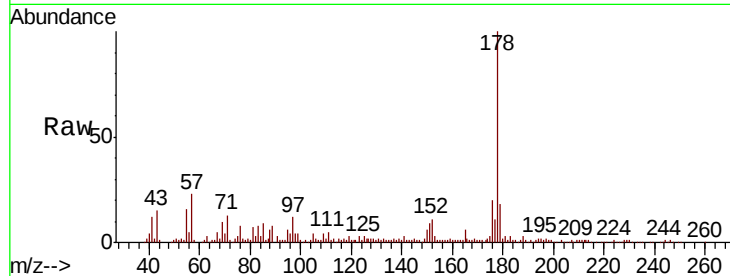
Tot Ion:178 Resp: 129444

Ion Ratio Lower Upper

178 100

176 19.6 16.3 24.5

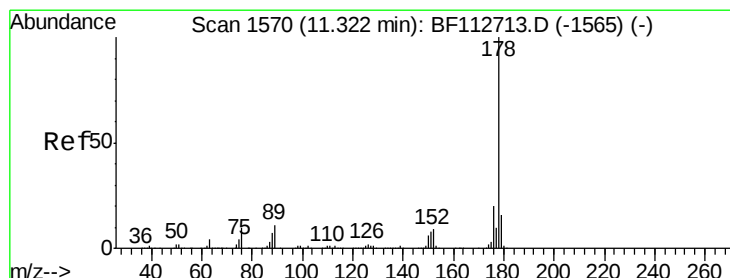
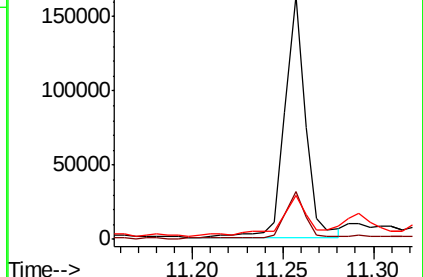
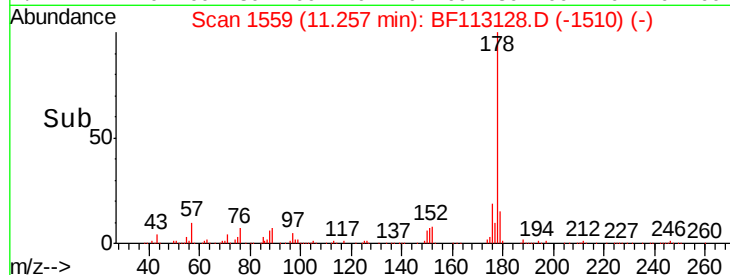
179 18.0 12.7 19.1



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: 3.846 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.06 min

Lab File: BF113128.D

Acq: 19 Mar 2019 16:28

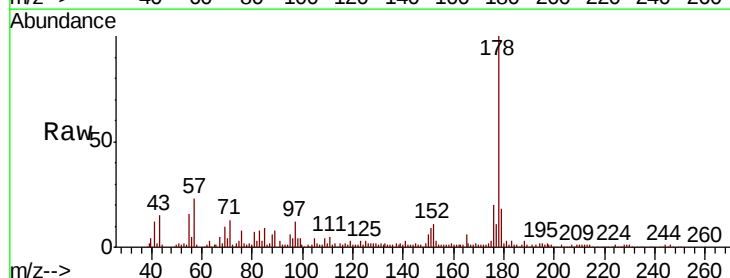
Tgt Ion:178 Resp: 129444

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

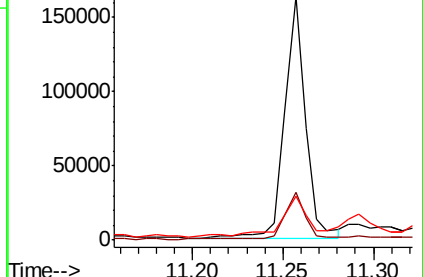
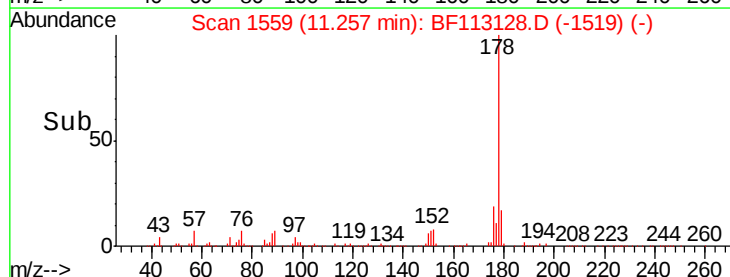
179 18.0 13.0 19.6

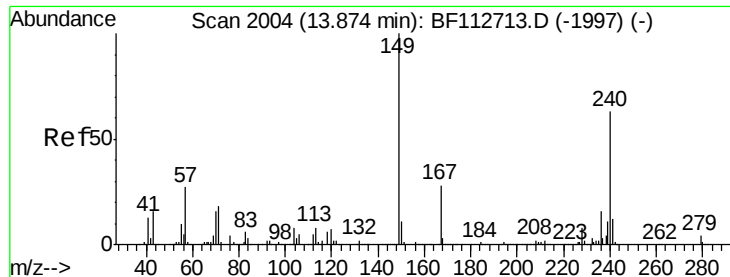


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

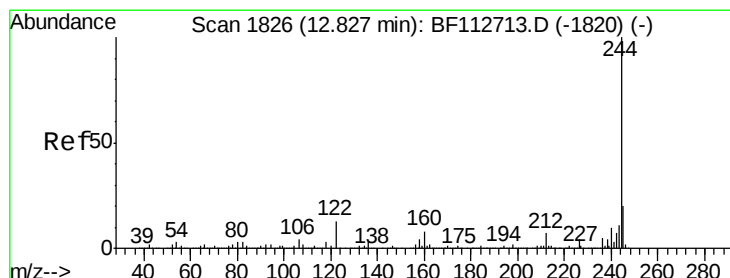
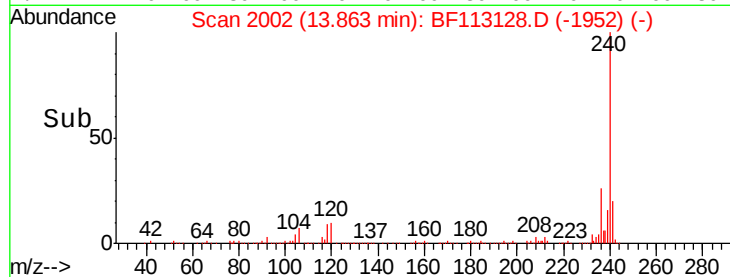
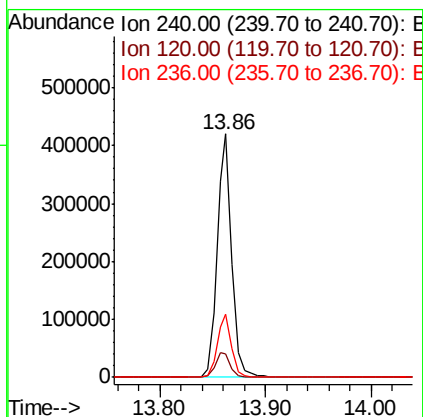
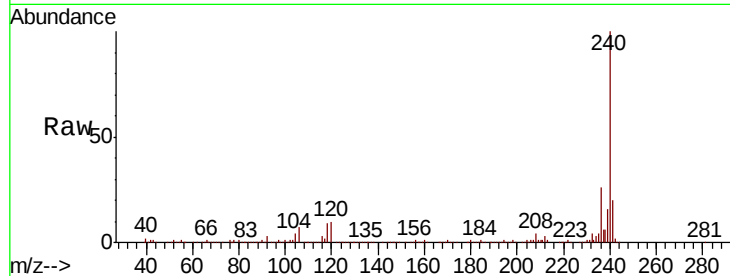




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

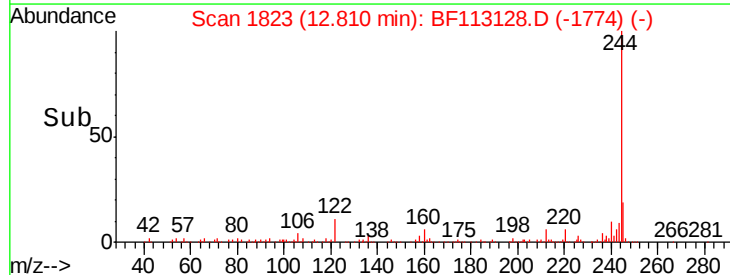
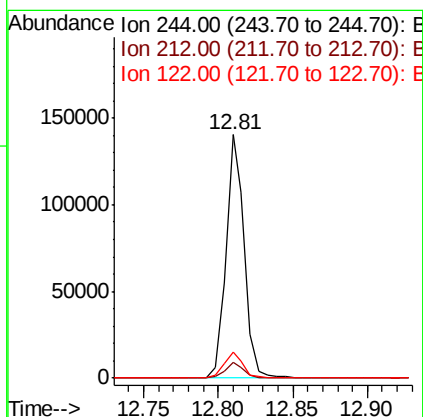
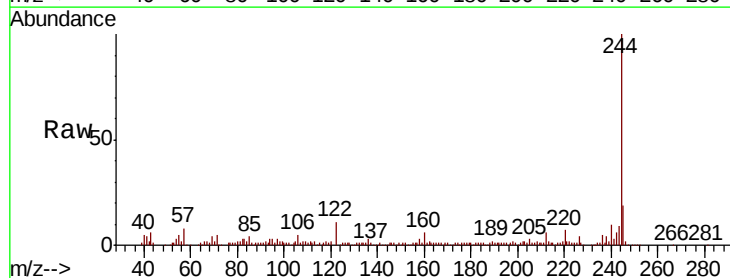
Instrument :
 BNA_F
 ClientSampled :

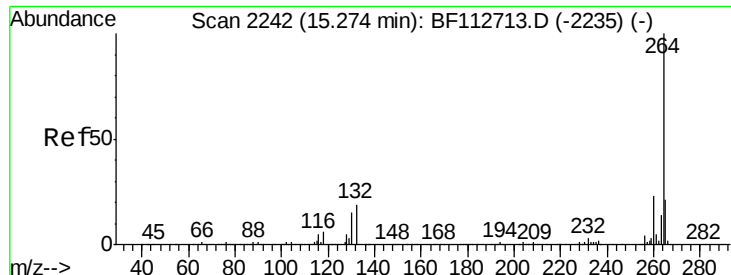
Tot Ion:240 Resp: 407660
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.9 13.3
 236 26.1 20.7 31.1



#79
 Terphenyl-d14
 Concen: 5.749 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

Tgt Ion:244 Resp: 120892
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.8 10.5 15.7

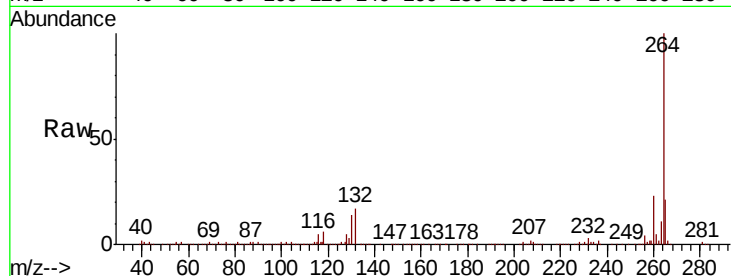




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113128.D
 Acq: 19 Mar 2019 16:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.2	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

