

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122718\
 Data File : BF111770.D
 Acq On : 27 Dec 2018 18:46
 Operator : JU/SJ
 Sample : J6426-18 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS019-1824-01

Quant Time: Dec 28 00:15:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	122147	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	421364	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	192523	20.00	ng	0.02
64) Phenanthrene-d10	11.44	188	341666	20.00	ng	0.02
76) Chrysene-d12	14.08	240	265774	20.00	ng	0.03
87) Perylene-d12	15.58	264	210180	20.00	ng	0.06

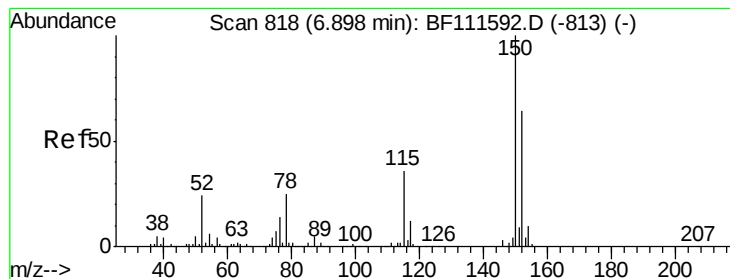
System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	28264	3.94	ng	0.02
7) Phenol-d6	6.55	99	34137	3.74	ng	0.02
23) Nitrobenzene-d5	7.46	82	27886	3.85	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	8158	3.59	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	42420	3.21	ng	0.00
79) Terphenyl-d14	13.02	244	43877	3.13	ng	0.02

Target Compounds

						Qvalue
13) 1,4-Dichlorobenzene	6.93	146	107419	11.514	ng	98
14) 1,2-Dichlorobenzene	6.93	146	107419	12.341	ng	97
18) Hexachloroethane	7.45	117	23108	7.350	ng	# 1
22) Acetophenone	7.30	105	78545	7.358	ng	# 45
30) 1,2,4-Trichlorobenzene	8.13	180	103495	14.235	ng	95
31) Naphthalene	8.22	128	139602	6.895	ng	97
35) Caprolactam	8.62	113	32940	14.900	ng	# 34
37) 2-Methylnaphthalene	8.90	142	367197	27.877	ng	97
38) 1-Methylnaphthalene	9.00	142	250244	19.781	ng	# 98
46) 1,1'-Biphenyl	9.37	154	47757	2.939	ng	98
54) 2,4-Dinitrophenol	9.88	184	375	7.685	ng	# 1
56) 4-Nitrophenol	10.05	139	18292	8.006	ng	# 47
57) 2,4-Dinitrotoluene	10.15	165	10697	3.170	ng	# 51
58) Fluorene	10.50	166	50833	4.027	ng	# 89
62) 4-Nitroaniline	10.41	138	5898	2.027	ng	89
65) 4,6-Dinitro-2-methylphenol	10.52	198	783	7.170	ng	# 1
66) n-Nitrosodiphenylamine	10.61	169	77390	6.748	ng	# 52
71) Phenanthrene	11.46	178	151766	8.376	ng	93
72) Anthracene	11.46	178	151766	8.344	ng	94
84) Bis(2-ethylhexyl)phthalate	14.05	149	23658	2.455	ng	# 81

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

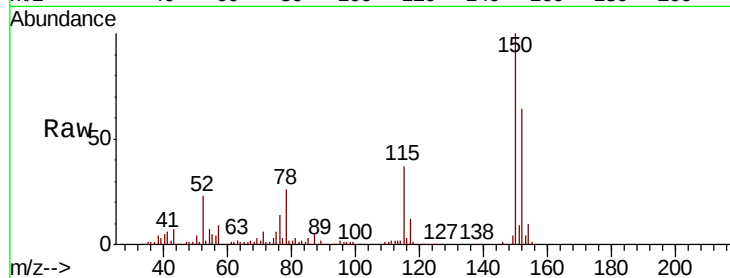


#1

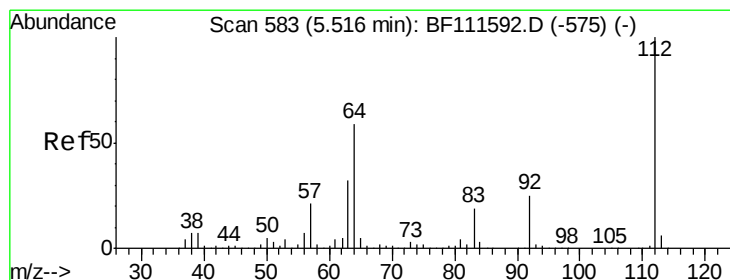
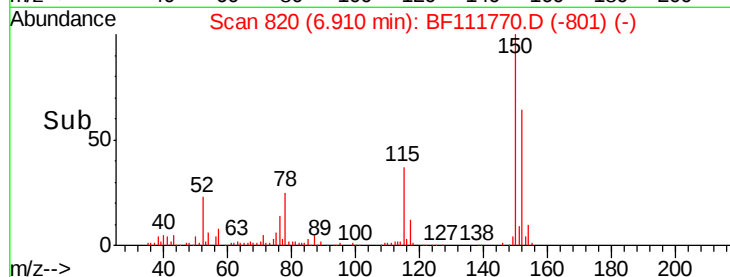
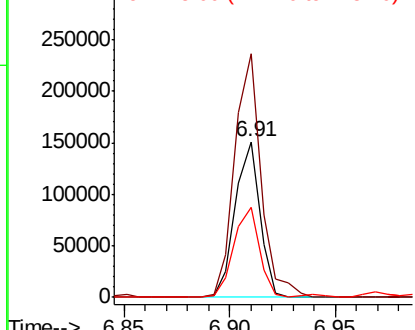
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	57.9	50.7	76.1



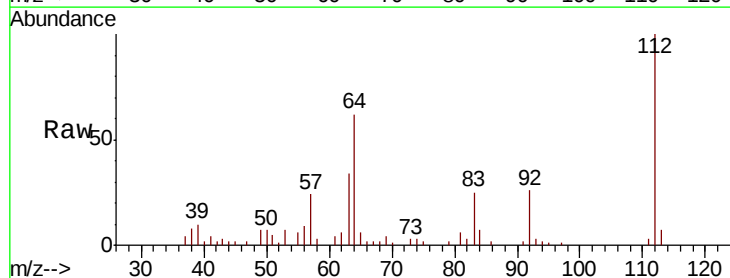
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



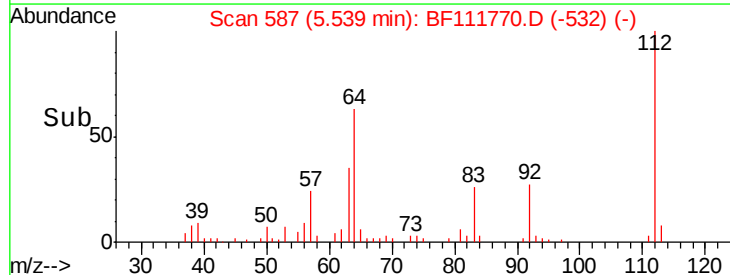
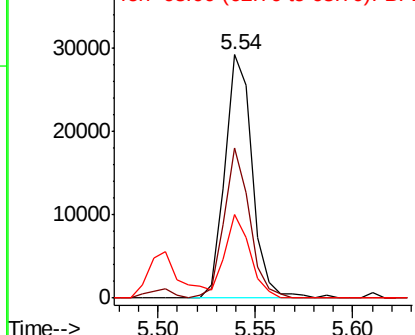
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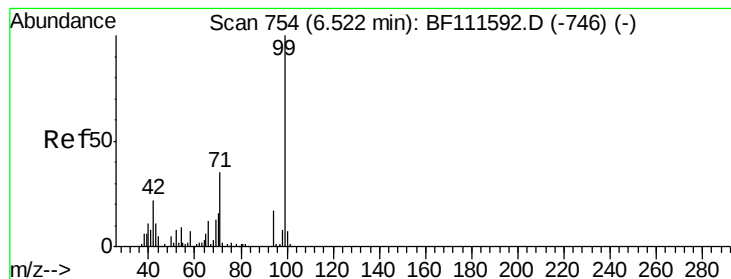
2-Fluorophenol
Concen: 3.944 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.8	77.6
63	34.4	26.8	40.2



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: 3.743 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

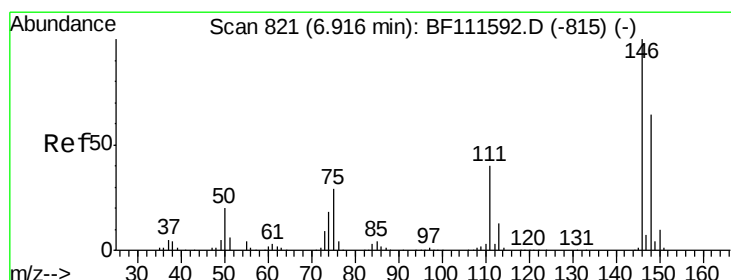
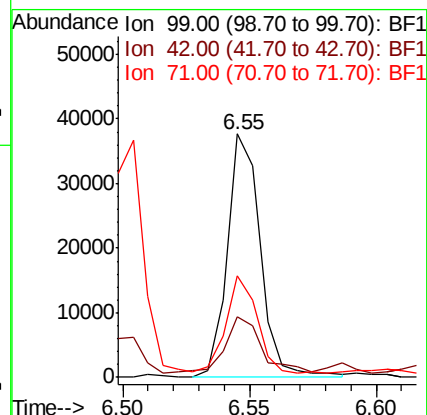
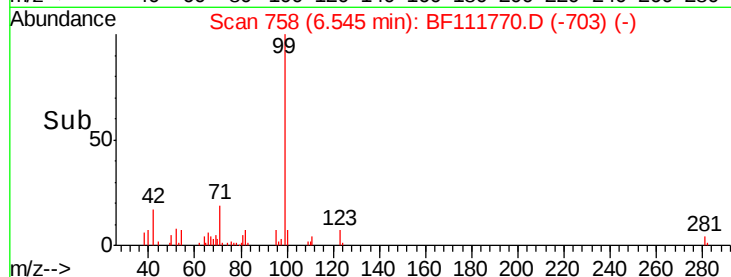
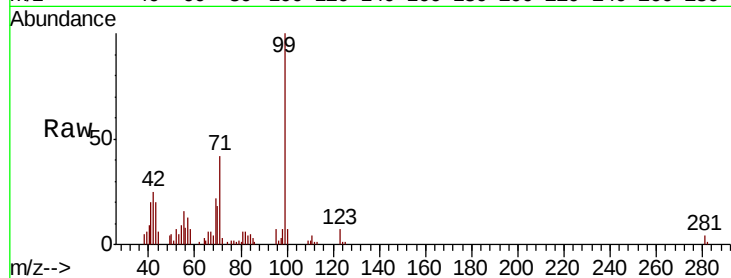
Tgt Ion: 99 Resp: 34137

Ion Ratio Lower Upper

99 100

42 24.7 17.4 26.0

71 41.6 26.1 39.1#



#13

1,4-Dichlorobenzene

Concen: 11.514 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

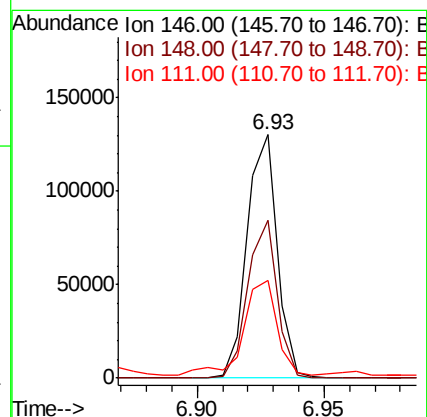
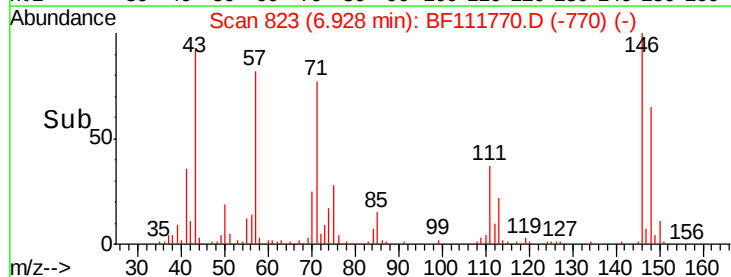
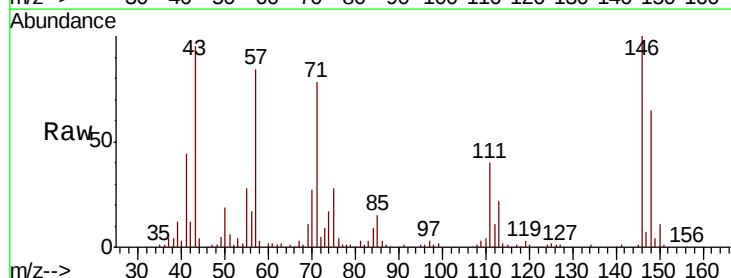
Tgt Ion: 146 Resp: 107419

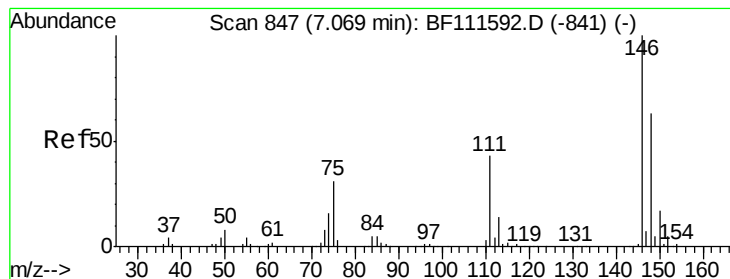
Ion Ratio Lower Upper

146 100

148 64.7 52.8 79.2

111 40.4 33.4 50.0





#14

1,2-Dichlorobenzene

Concen: 12.341 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.14 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

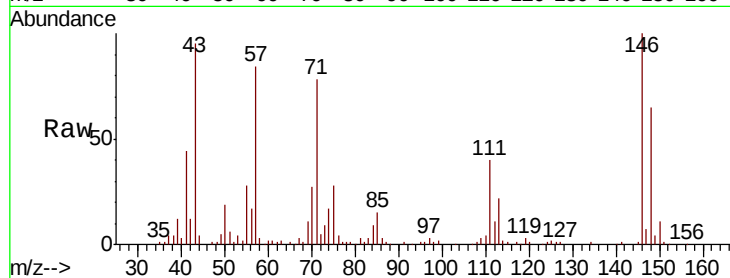
Tgt Ion:146 Resp: 107419

Ion Ratio Lower Upper

146 100

148 64.7 51.9 77.9

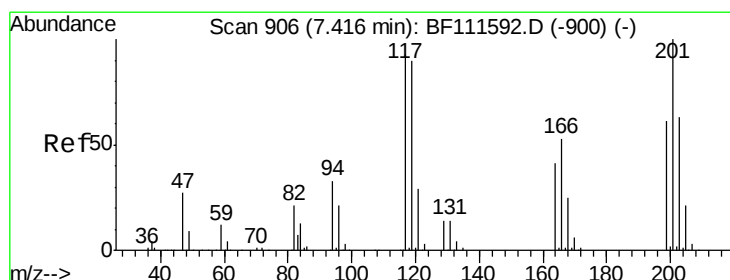
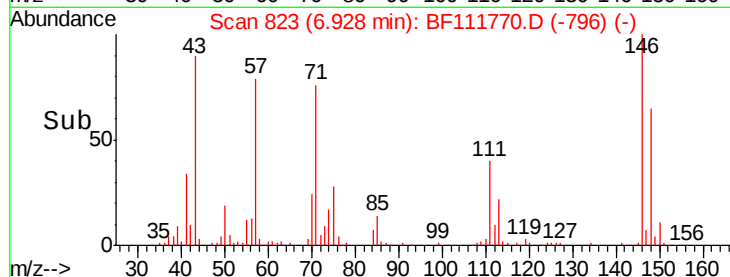
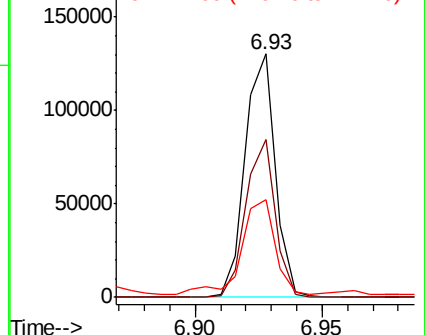
111 40.4 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 7.350 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.03 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

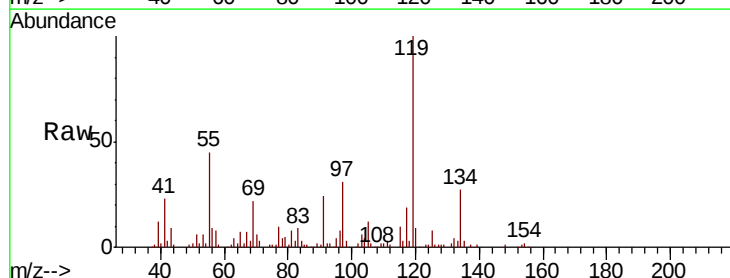
Tgt Ion:117 Resp: 23108

Ion Ratio Lower Upper

117 100

119 538.1 75.4 113.0#

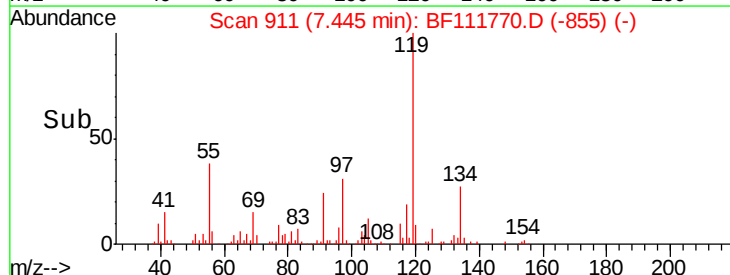
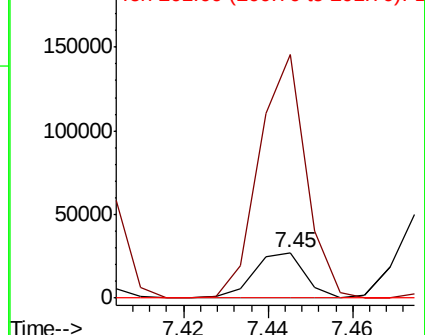
201 0.0 62.4 93.6#

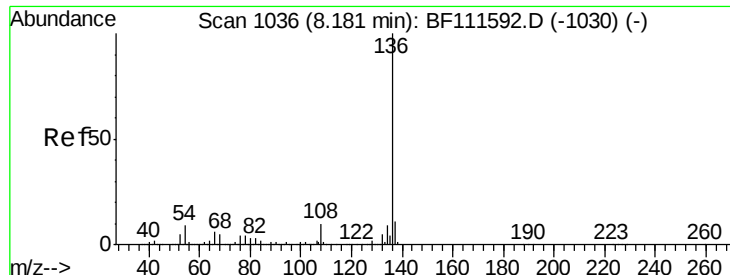


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

Tgt Ion:136 Resp: 421364

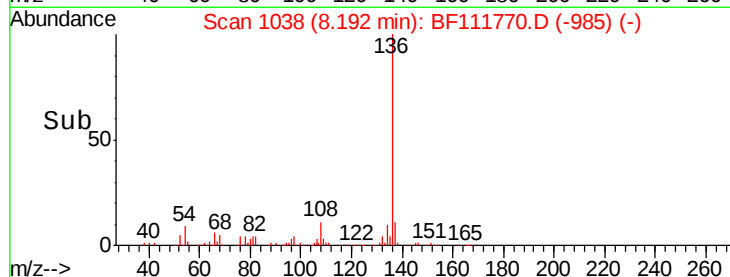
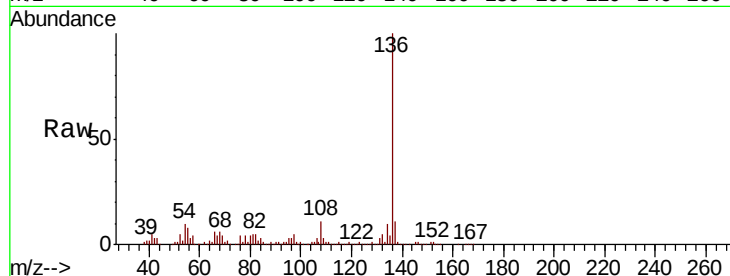
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.8 7.7 11.5

68 6.4 4.9 7.3

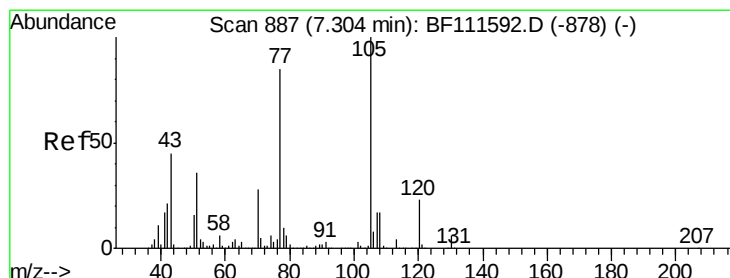
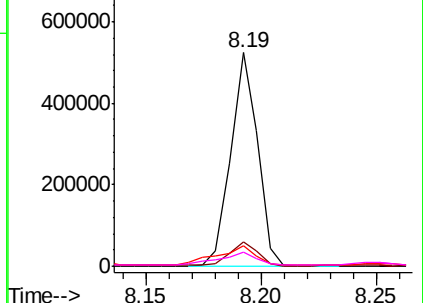


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 7.358 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Tgt Ion:105 Resp: 78545

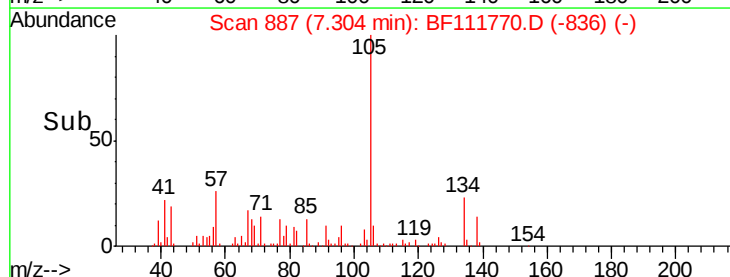
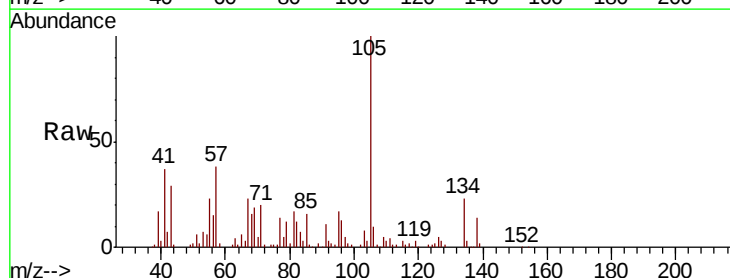
Ion Ratio Lower Upper

105 100

71 20.2 3.1 4.7#

51 6.0 36.6 54.8#

120 0.3 18.2 27.4#

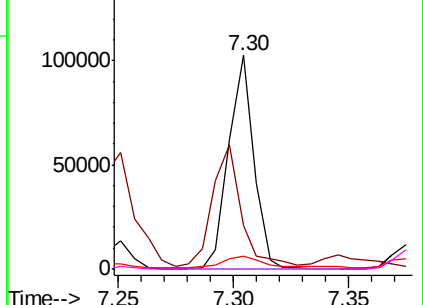


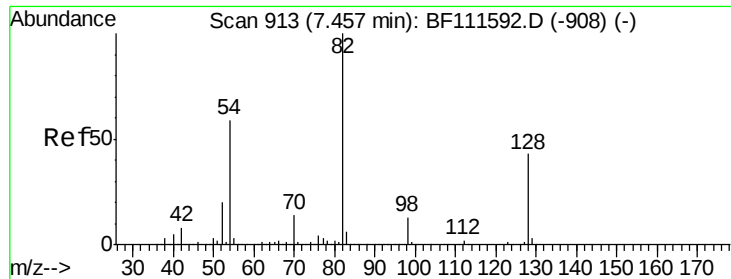
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

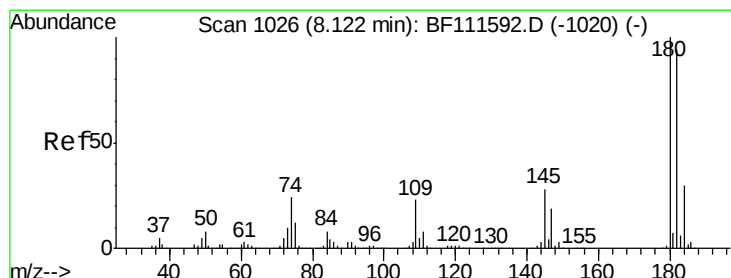
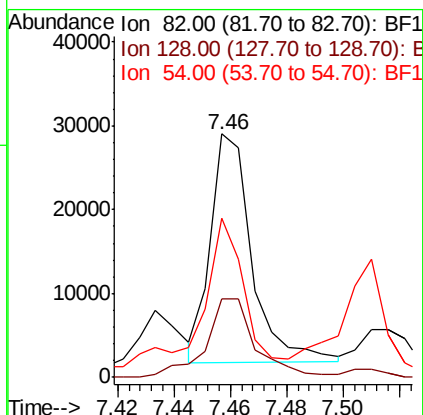
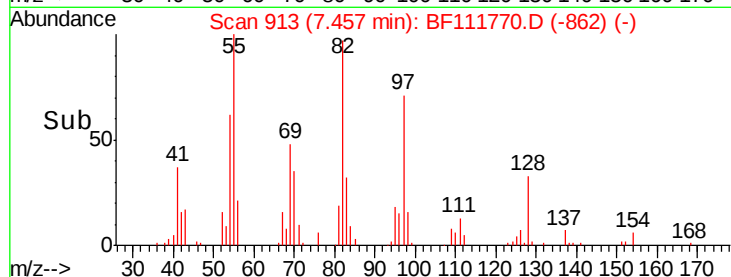
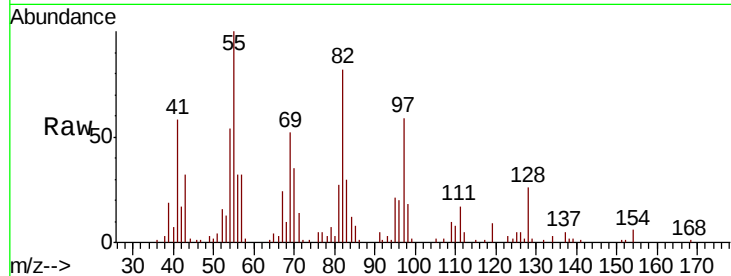




#23
Nitrobenzene-d5
Concen: 3.852 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

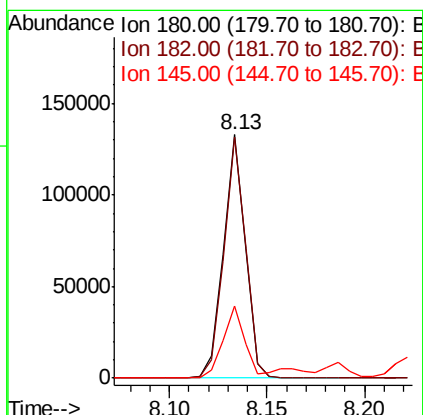
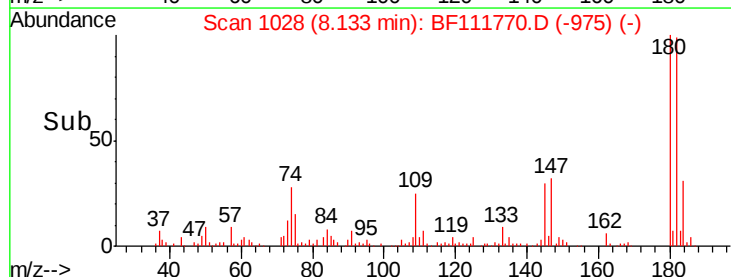
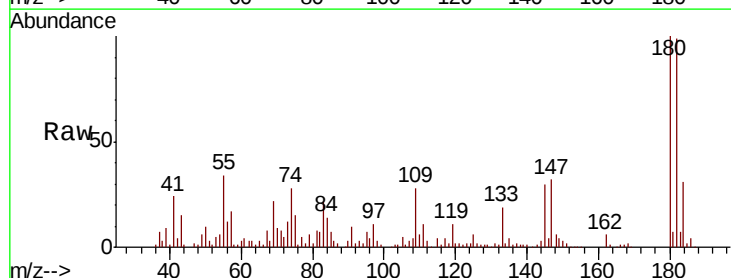
Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

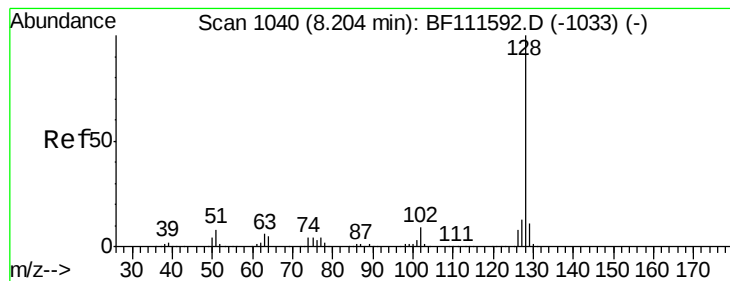
Tgt Ion: 82 Resp: 27886
Ion Ratio Lower Upper
82 100
128 32.1 37.4 56.2#
54 65.3 47.6 71.4



#30
1,2,4-Trichlorobenzene
Concen: 14.235 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion: 180 Resp: 103495
Ion Ratio Lower Upper
180 100
182 98.9 75.6 113.4
145 29.5 26.7 40.1





#31

Naphthalene

Concen: 6.895 ng

RT: 8.22 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

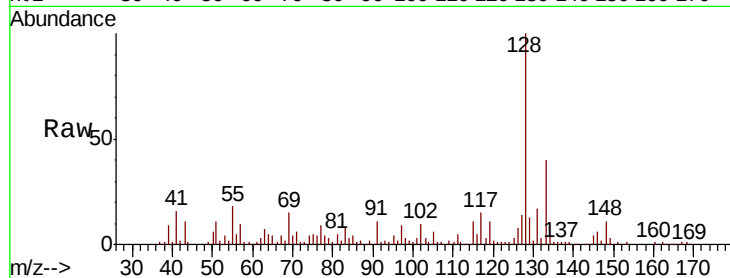
Tgt Ion:128 Resp: 139602

Ion Ratio Lower Upper

128 100

129 13.3 9.8 14.8

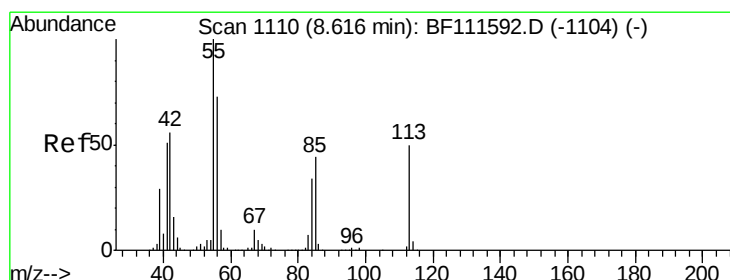
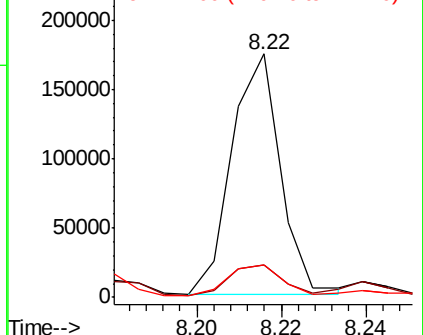
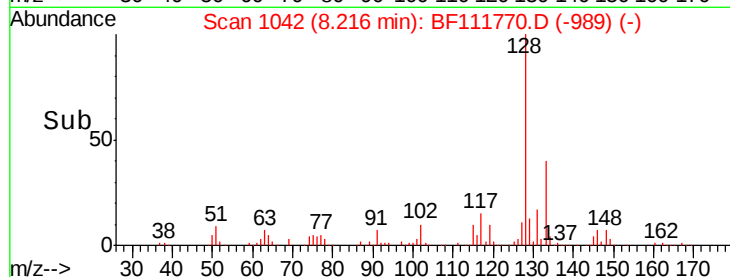
127 13.5 12.0 18.0



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



#35

Caprolactam

Concen: 14.900 ng

RT: 8.62 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

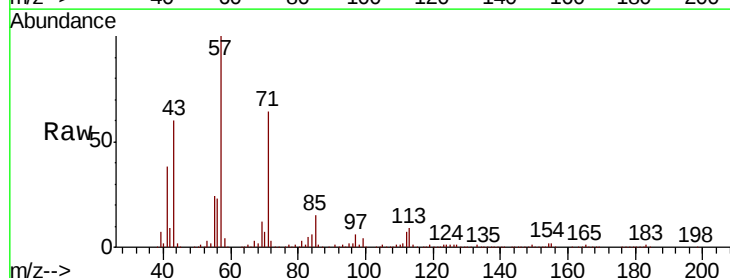
Tgt Ion:113 Resp: 32940

Ion Ratio Lower Upper

113 100

55 276.8 184.1 224.1#

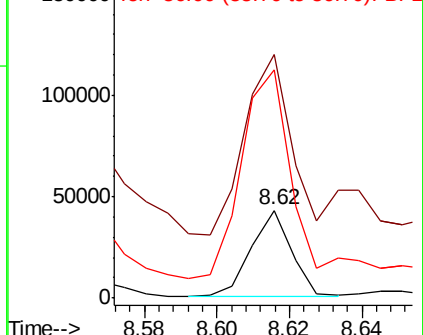
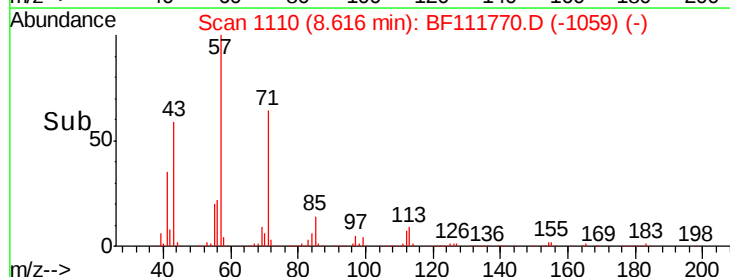
56 260.1 126.0 166.0#

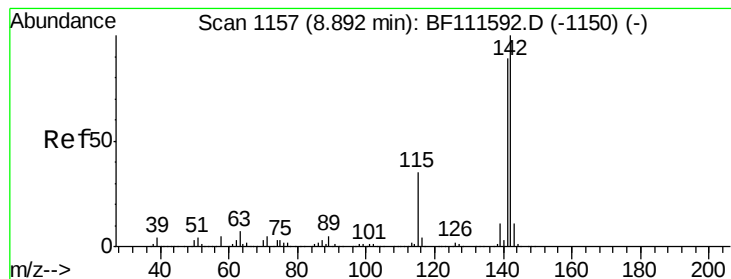


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

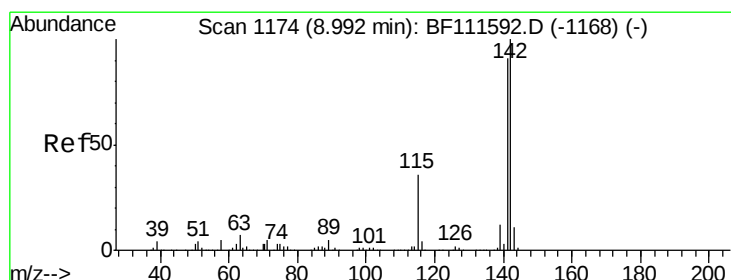
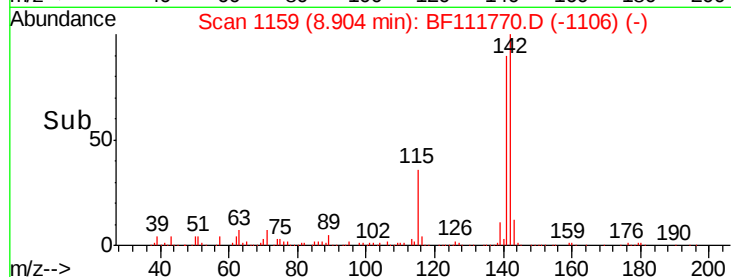
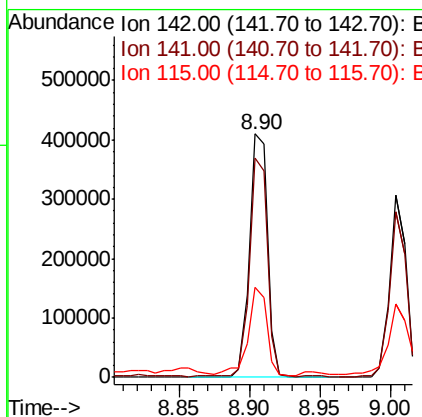
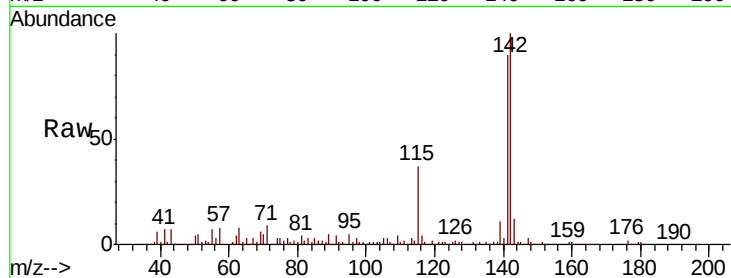




#37
 2-Methylnaphthalene
 Concen: 27.877 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. 0.01 min
 Lab File: BF111770.D
 Acq: 27 Dec 2018 18:46

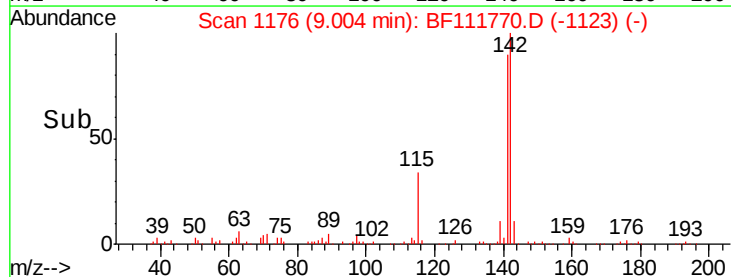
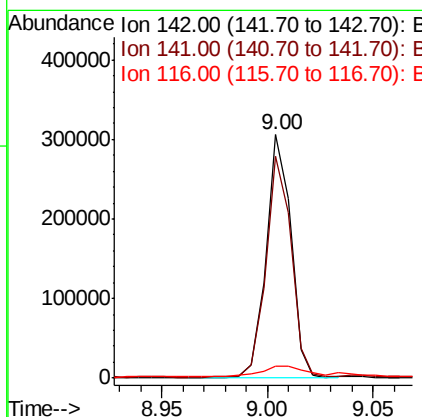
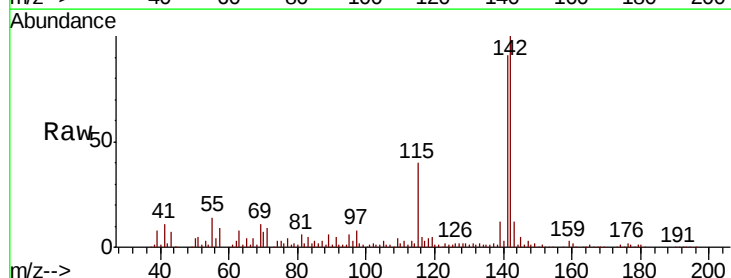
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS019-1824-01

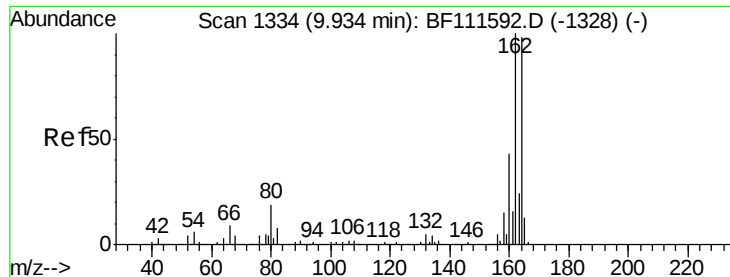
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.6	105.8
115	36.8	27.0	40.6



#38
 1-Methylnaphthalene
 Concen: 19.781 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF111770.D
 Acq: 27 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.2	111.4
116	4.7	2.9	4.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

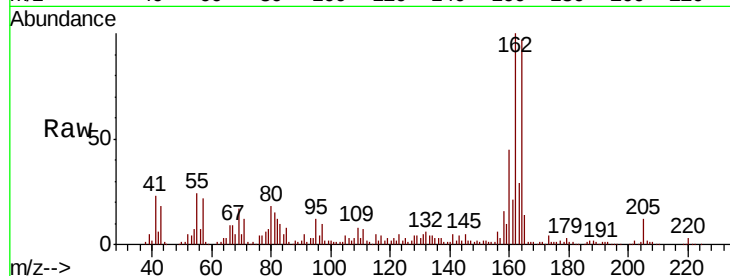
Tgt Ion:164 Resp: 192523

Ion Ratio Lower Upper

164 100

162 102.9 81.4 122.0

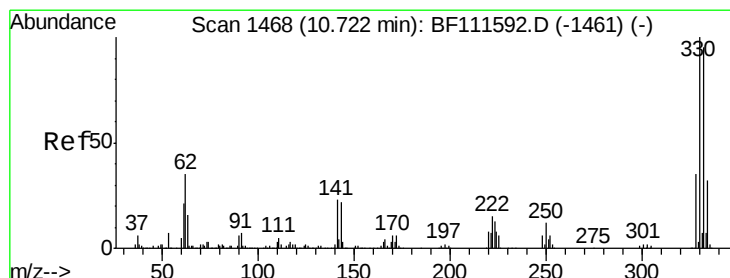
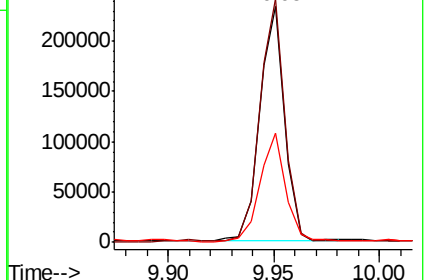
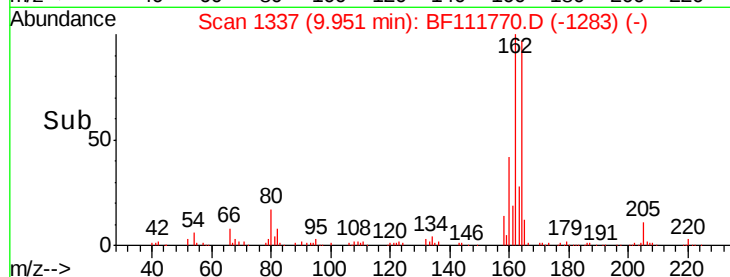
160 46.1 35.7 53.5



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: 3.586 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

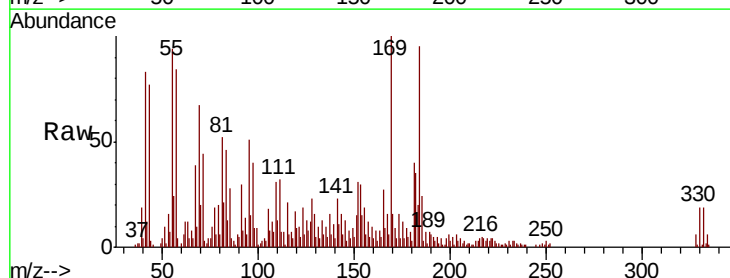
Tgt Ion:330 Resp: 8158

Ion Ratio Lower Upper

330 100

332 99.5 76.0 114.0

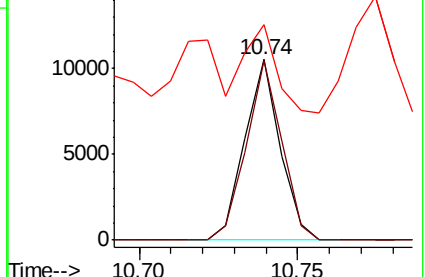
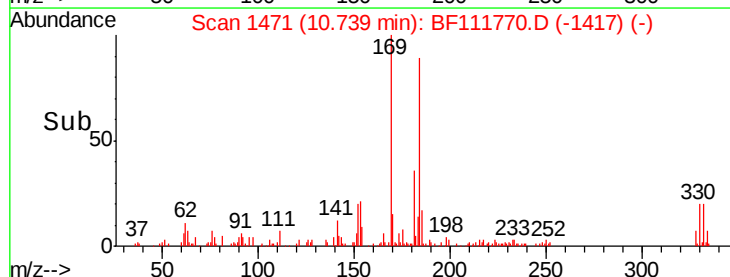
141 45.1 31.0 46.6

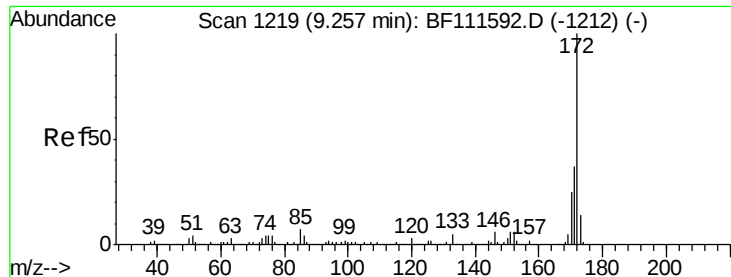


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

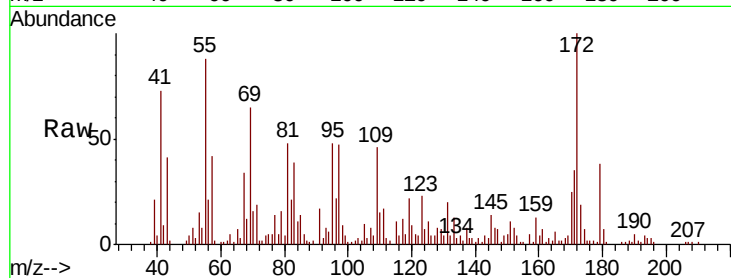




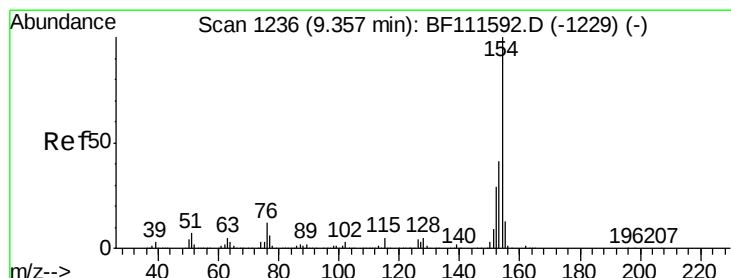
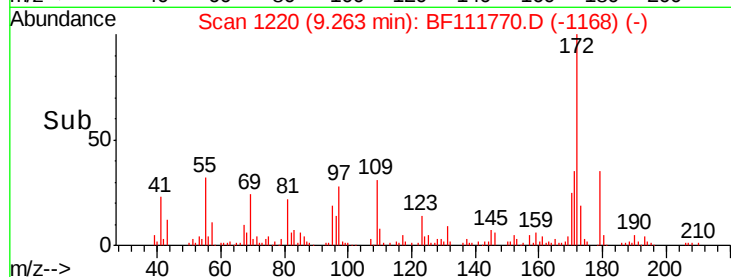
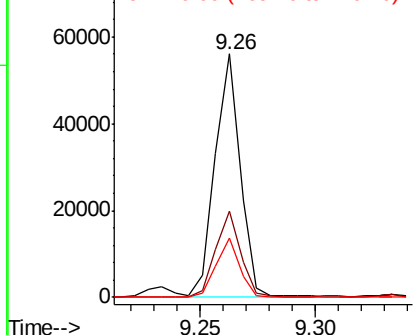
#45
2-Fluorobiphenyl
Concen: 3.212 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

Tgt Ion:172 Resp: 42420
Ion Ratio Lower Upper
172 100
171 35.5 33.0 49.4
170 24.5 22.3 33.5

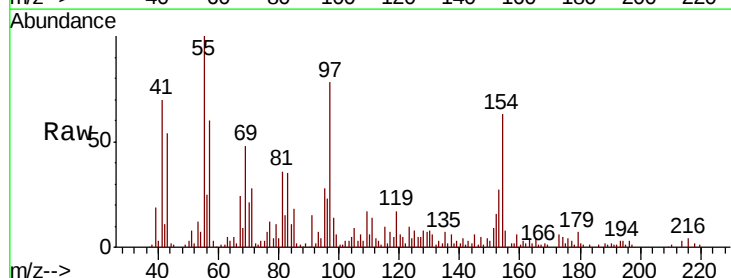


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

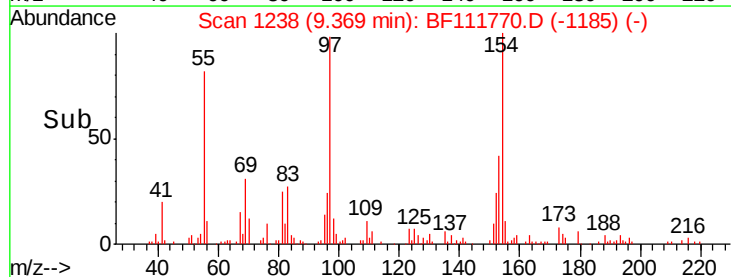
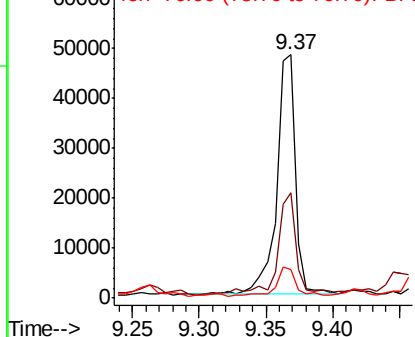


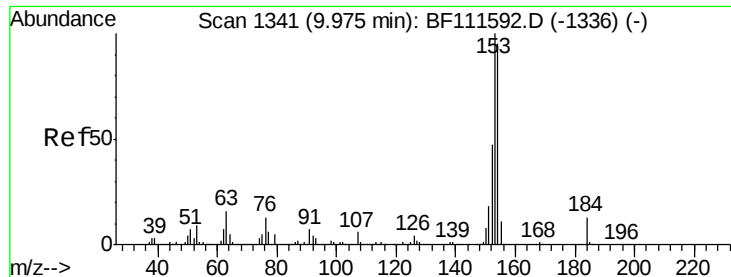
#46
1,1'-Biphenyl
Concen: 2.939 ng
RT: 9.37 min Scan# 1238
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion:154 Resp: 47757
Ion Ratio Lower Upper
154 100
153 43.3 23.7 63.7
76 11.8 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

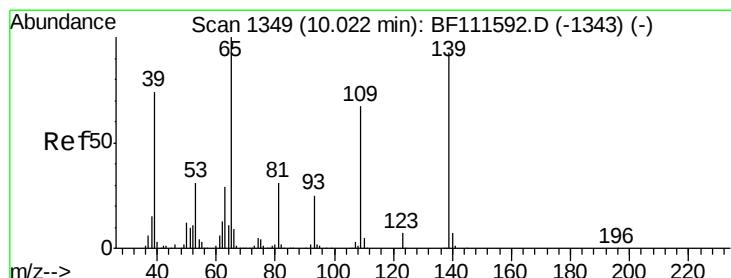
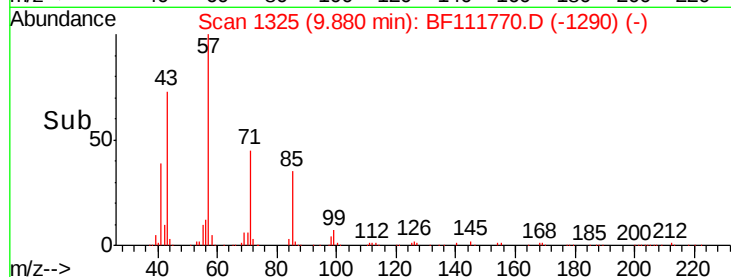
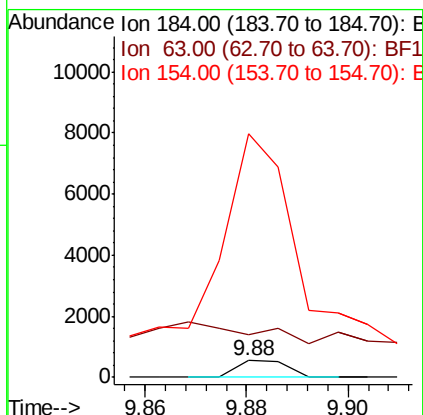
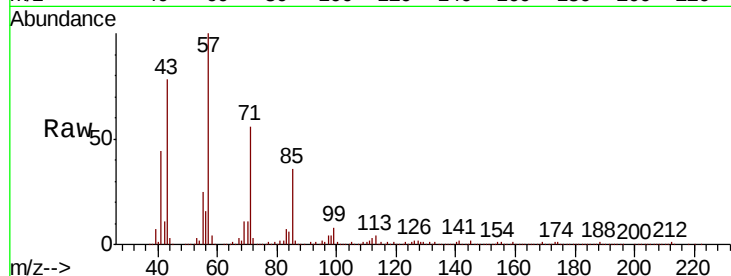




#54
 2,4-Dinitrophenol
 Concen: 7.685 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.09 min
 Lab File: BF111770.D
 Acq: 27 Dec 2018 18:46

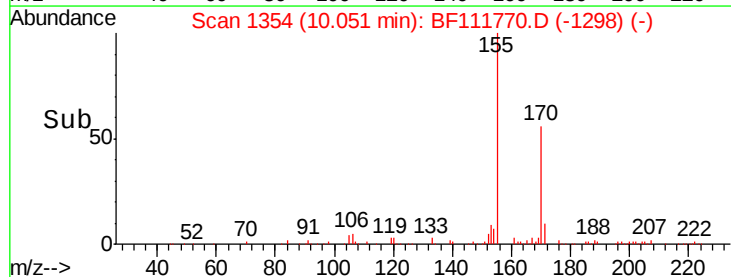
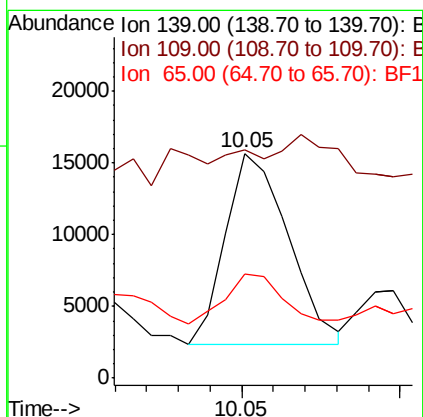
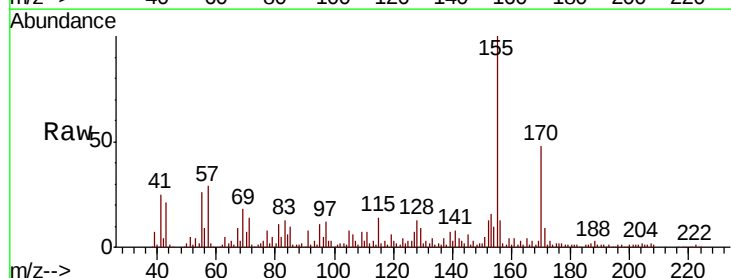
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS019-1824-01

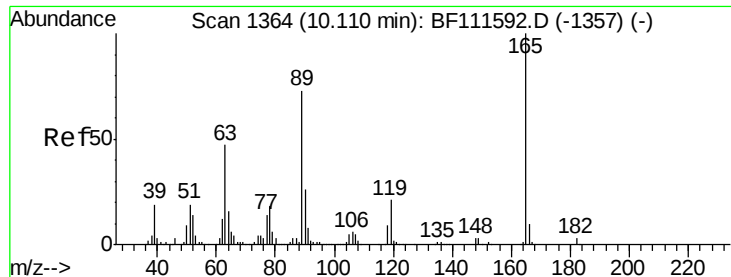
Tgt Ion:184 Resp: 375
 Ion Ratio Lower Upper
 184 100
 63 251.3 62.3 93.5#
 154 1444.2 56.2 84.2#



#56
 4-Nitrophenol
 Concen: 8.006 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. 0.03 min
 Lab File: BF111770.D
 Acq: 27 Dec 2018 18:46

Tgt Ion:139 Resp: 18292
 Ion Ratio Lower Upper
 139 100
 109 101.6 41.8 81.8#
 65 46.3 79.6 119.6#

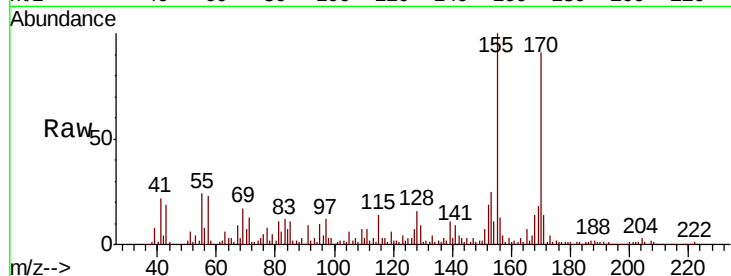




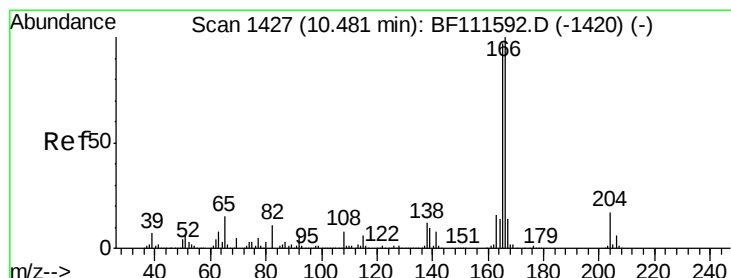
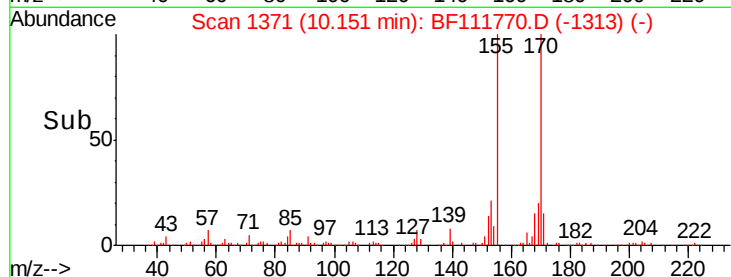
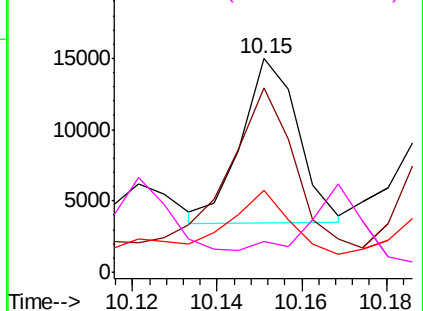
#57
2,4-Dinitrotoluene
Concen: 3.170 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.04 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

Tgt Ion:165 Resp: 10697
Ion Ratio Lower Upper
165 100
63 86.1 34.6 52.0#
89 38.3 56.2 84.4#
182 14.5 1.8 2.6#

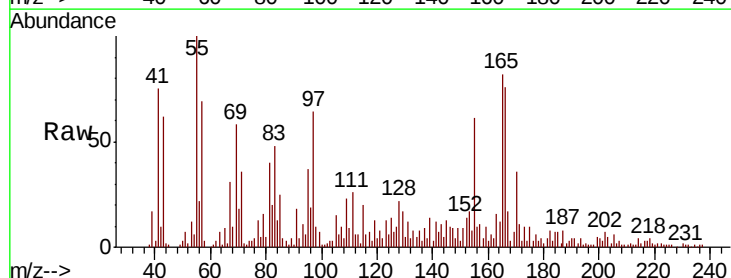


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

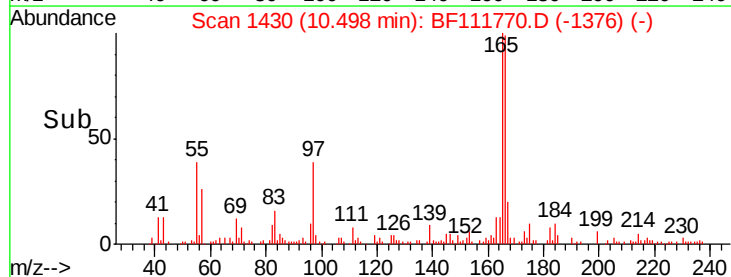
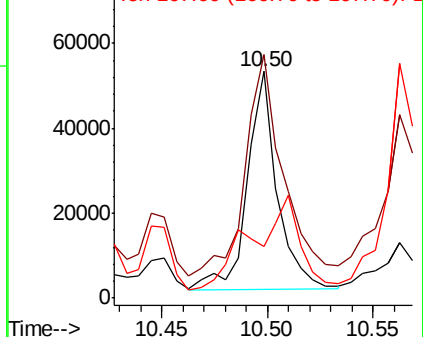


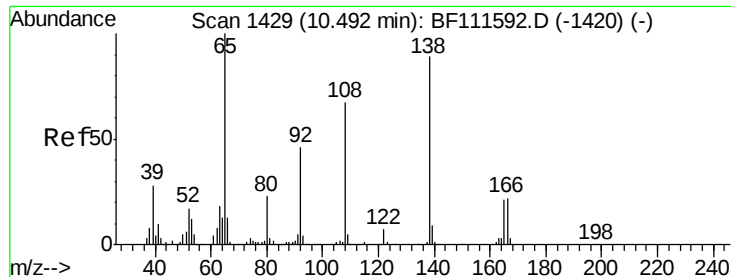
#58
Fluorene
Concen: 4.027 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion:166 Resp: 50833
Ion Ratio Lower Upper
166 100
165 107.5 78.4 117.6
167 22.7 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

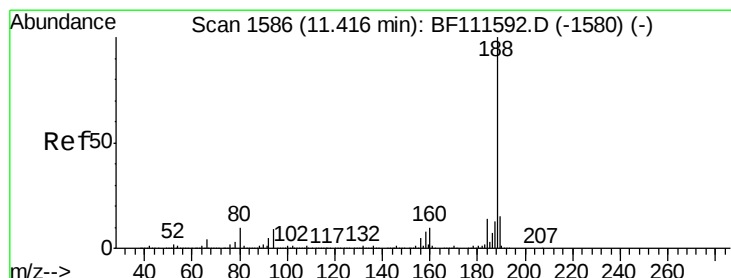
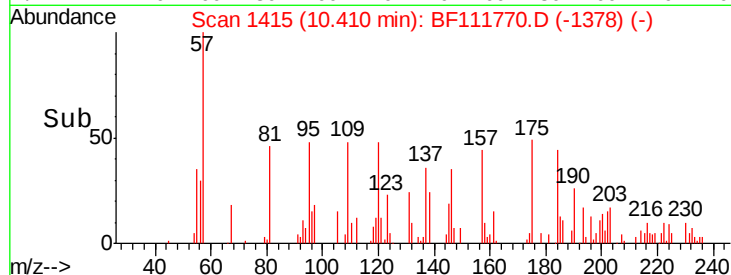
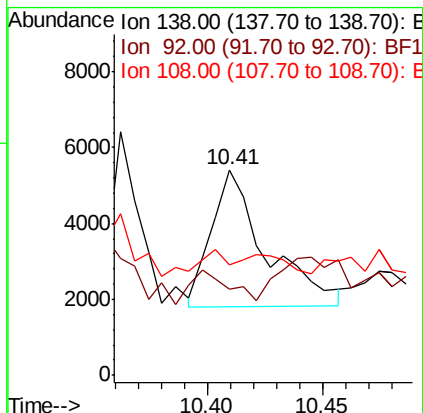
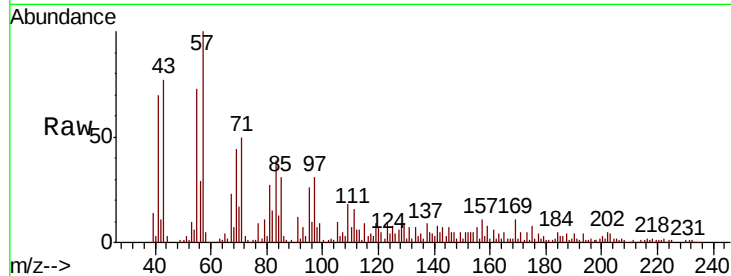




#62
4-Nitroaniline
Concen: 2.027 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.08 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

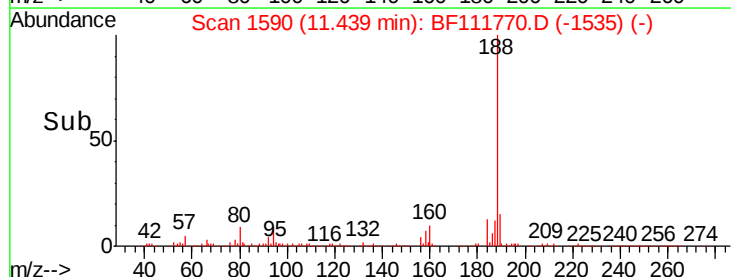
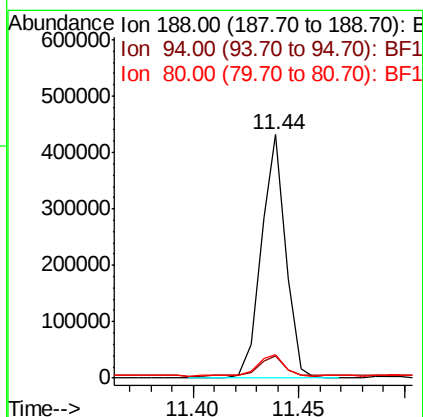
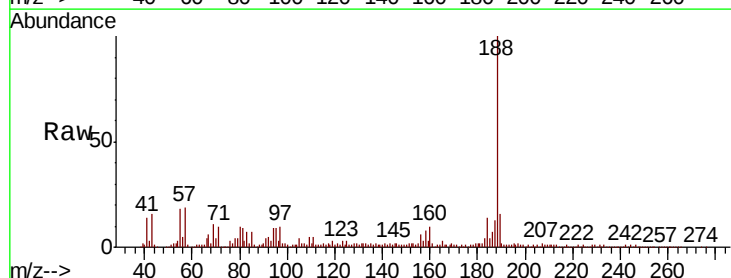
Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

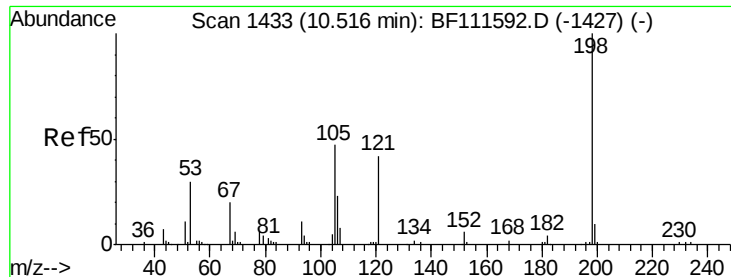
Tgt Ion:138 Resp: 5898
Ion Ratio Lower Upper
138 100
92 42.2 29.9 69.9
108 54.2 43.2 83.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion:188 Resp: 341666
Ion Ratio Lower Upper
188 100
94 9.0 9.6 14.4#
80 9.7 9.8 14.6#

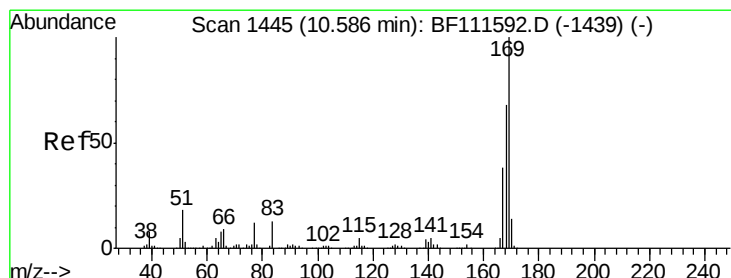
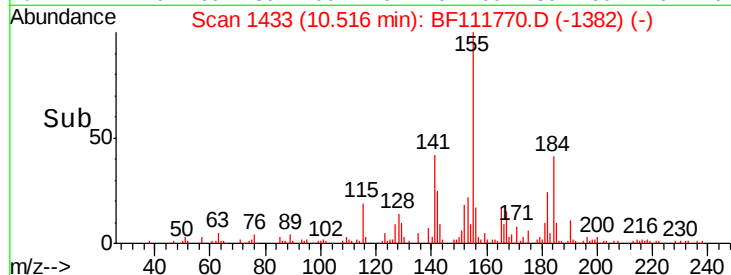
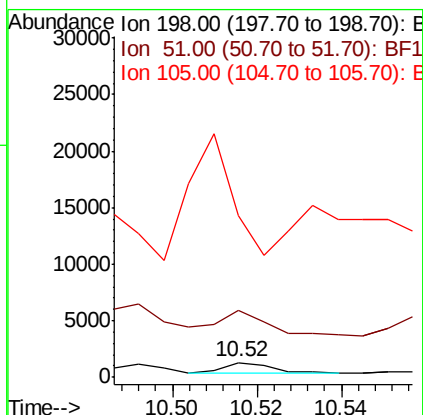
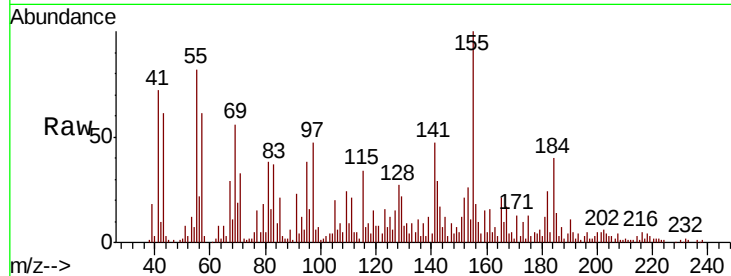




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.170 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF111770.D
 Acq: 27 Dec 2018 18:46

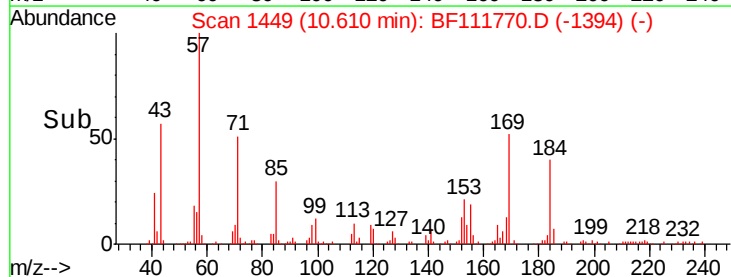
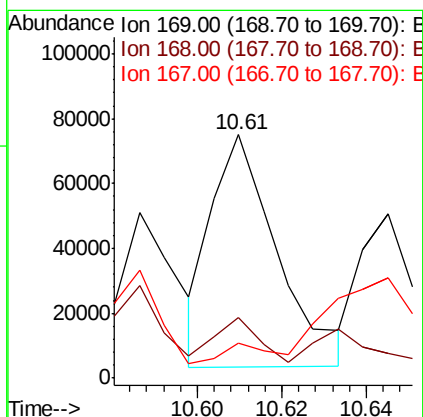
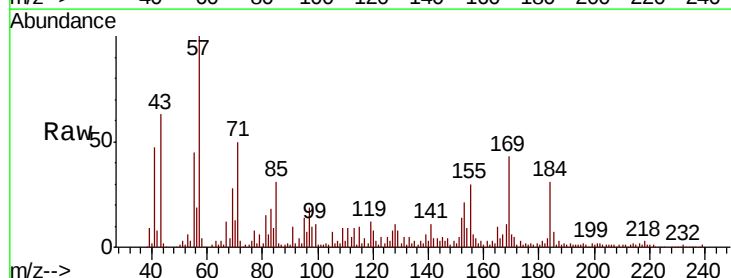
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS019-1824-01

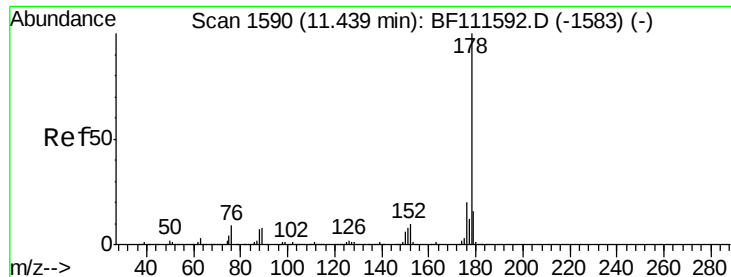
Tgt Ion:198 Resp: 783
 Ion Ratio Lower Upper
 198 100
 51 445.0 48.0 88.0#
 105 1070.2 34.0 74.0#



#66
 n-Nitrosodiphenylamine
 Concen: 6.748 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.02 min
 Lab File: BF111770.D
 Acq: 27 Dec 2018 18:46

Tgt Ion:169 Resp: 77390
 Ion Ratio Lower Upper
 169 100
 168 24.9 54.4 81.6#
 167 14.1 30.5 45.7#





#71

Phenanthrene

Concen: 8.376 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

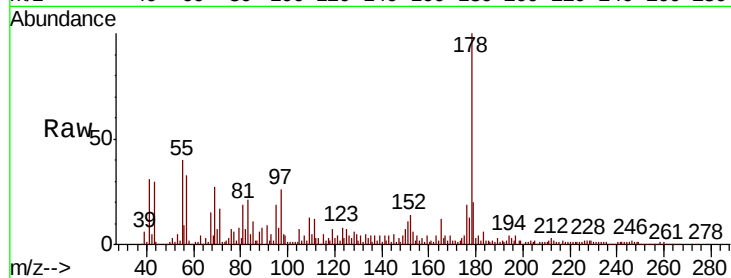
Tgt Ion:178 Resp: 151766

Ion Ratio Lower Upper

178 100

176 19.1 18.1 27.1

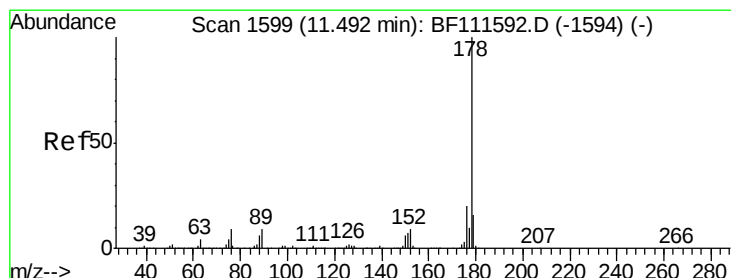
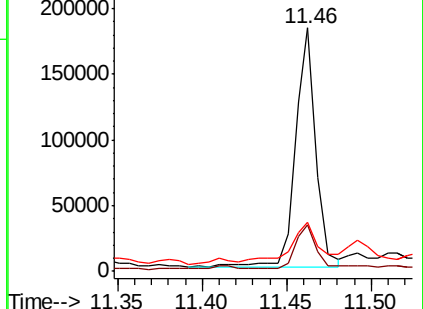
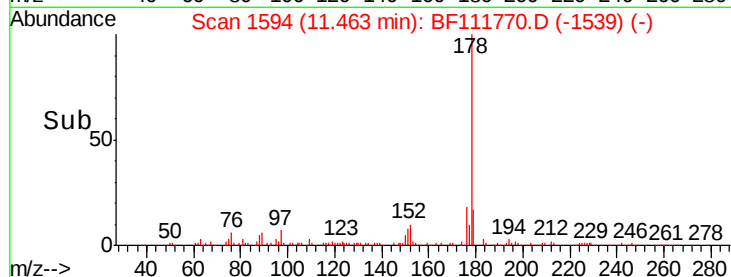
179 20.3 14.0 21.0



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: 8.344 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.03 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

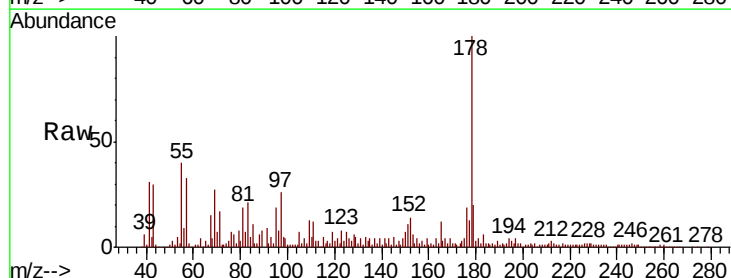
Tgt Ion:178 Resp: 151766

Ion Ratio Lower Upper

178 100

176 19.1 17.2 25.8

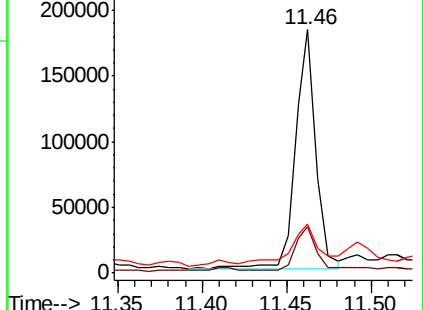
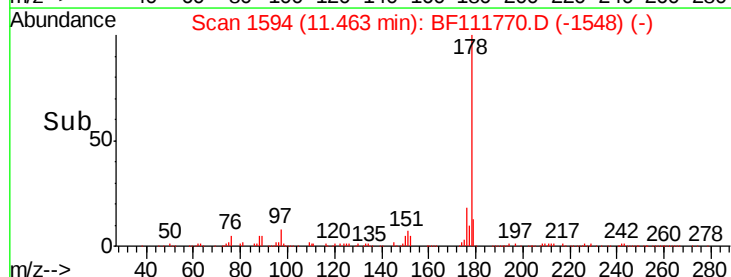
179 20.3 13.8 20.8

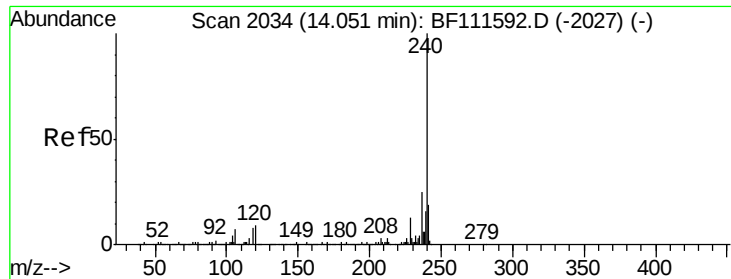


Abundance Ion 178.00 (177.70 to 178.70): E

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: 14.08 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

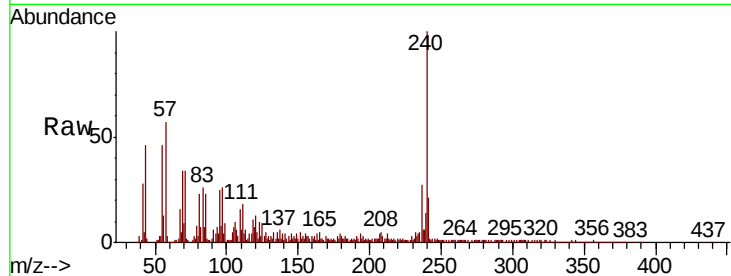
Tgt Ion:240 Resp: 265774

Ion Ratio Lower Upper

240 100

120 12.7 12.2 18.2

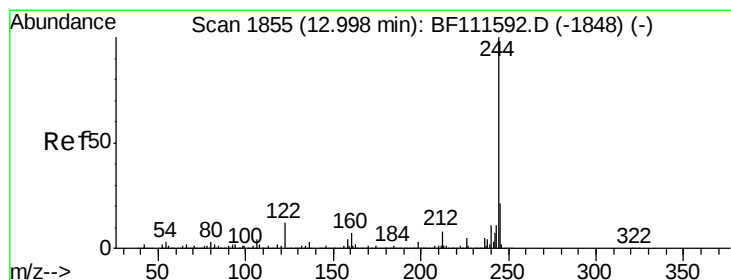
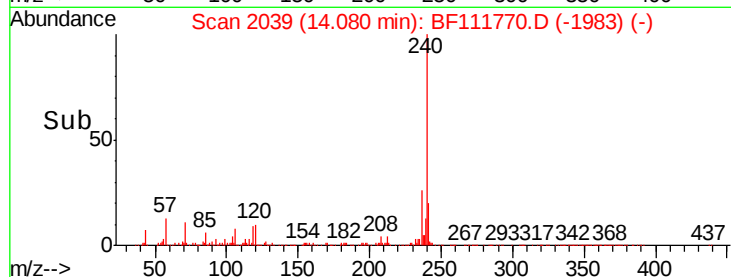
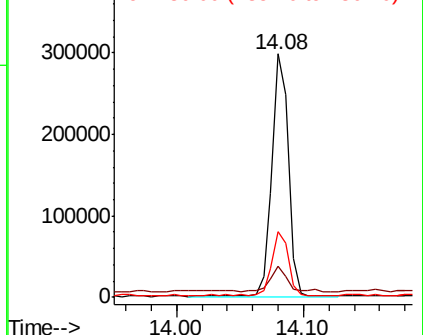
236 26.7 20.2 30.2



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: 3.131 ng

RT: 13.02 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

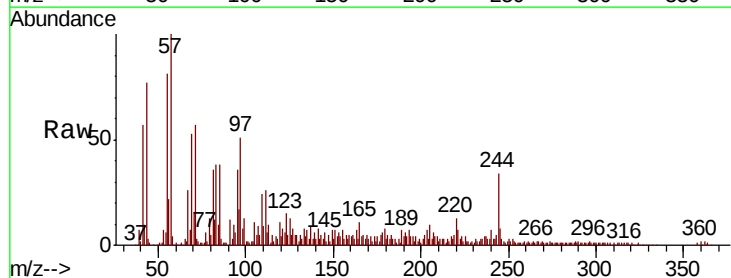
Tgt Ion:244 Resp: 43877

Ion Ratio Lower Upper

244 100

212 9.2 5.7 8.5#

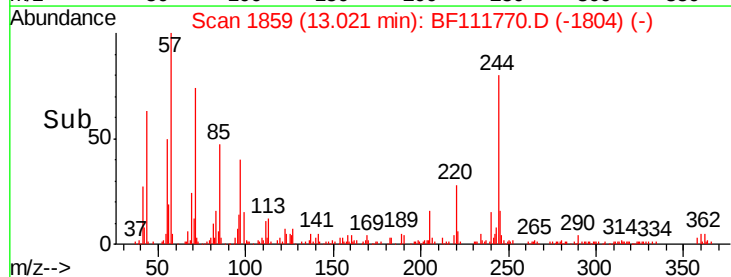
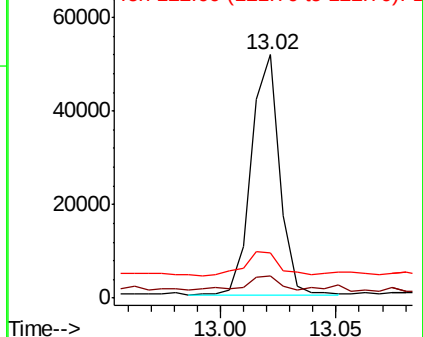
122 18.7 13.1 19.7

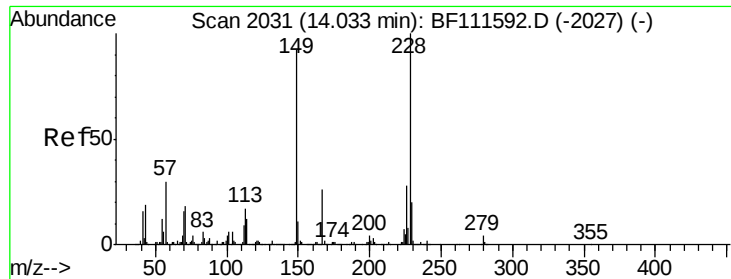


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

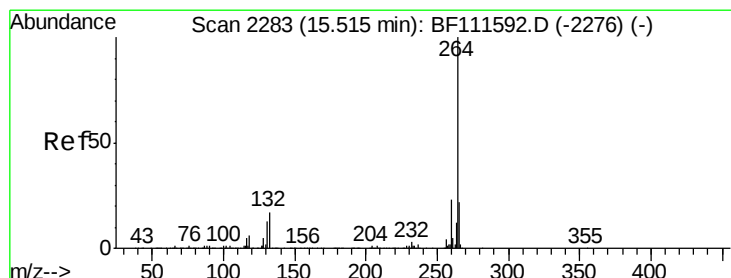
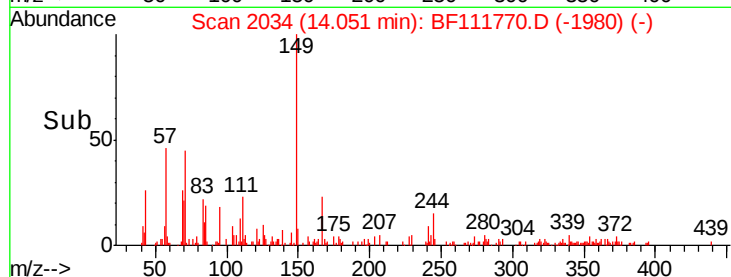
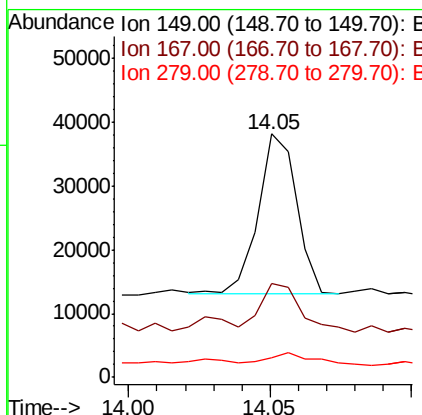
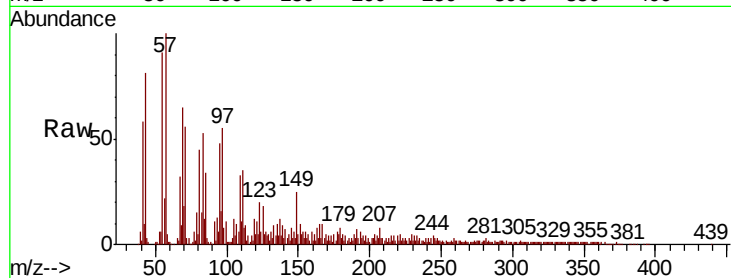




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.455 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

Tgt Ion:149 Resp: 23658
Ion Ratio Lower Upper
149 100
167 38.6 22.5 33.7#
279 7.9 2.6 4.0#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.06 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion:264 Resp: 210180
Ion Ratio Lower Upper
264 100
260 24.0 18.3 27.5
265 22.4 17.7 26.5

