

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110539.D
 Acq On : 7 Nov 2018 2:10
 Operator : JU/SJ
 Sample : J5826-11 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:47:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	76953	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	280750	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	113035	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	209439	20.00	ng	0.00
76) Chrysene-d12	14.14	240	134127	20.00	ng	0.00
87) Perylene-d12	15.67	264	108669	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	224594	47.53	ng	0.00
7) Phenol-d6	6.57	99	287029	47.49	ng	0.00
23) Nitrobenzene-d5	7.52	82	160818	33.98	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	50885	45.45	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	295162	41.00	ng	0.00
79) Terphenyl-d14	13.07	244	257722	39.96	ng	0.00

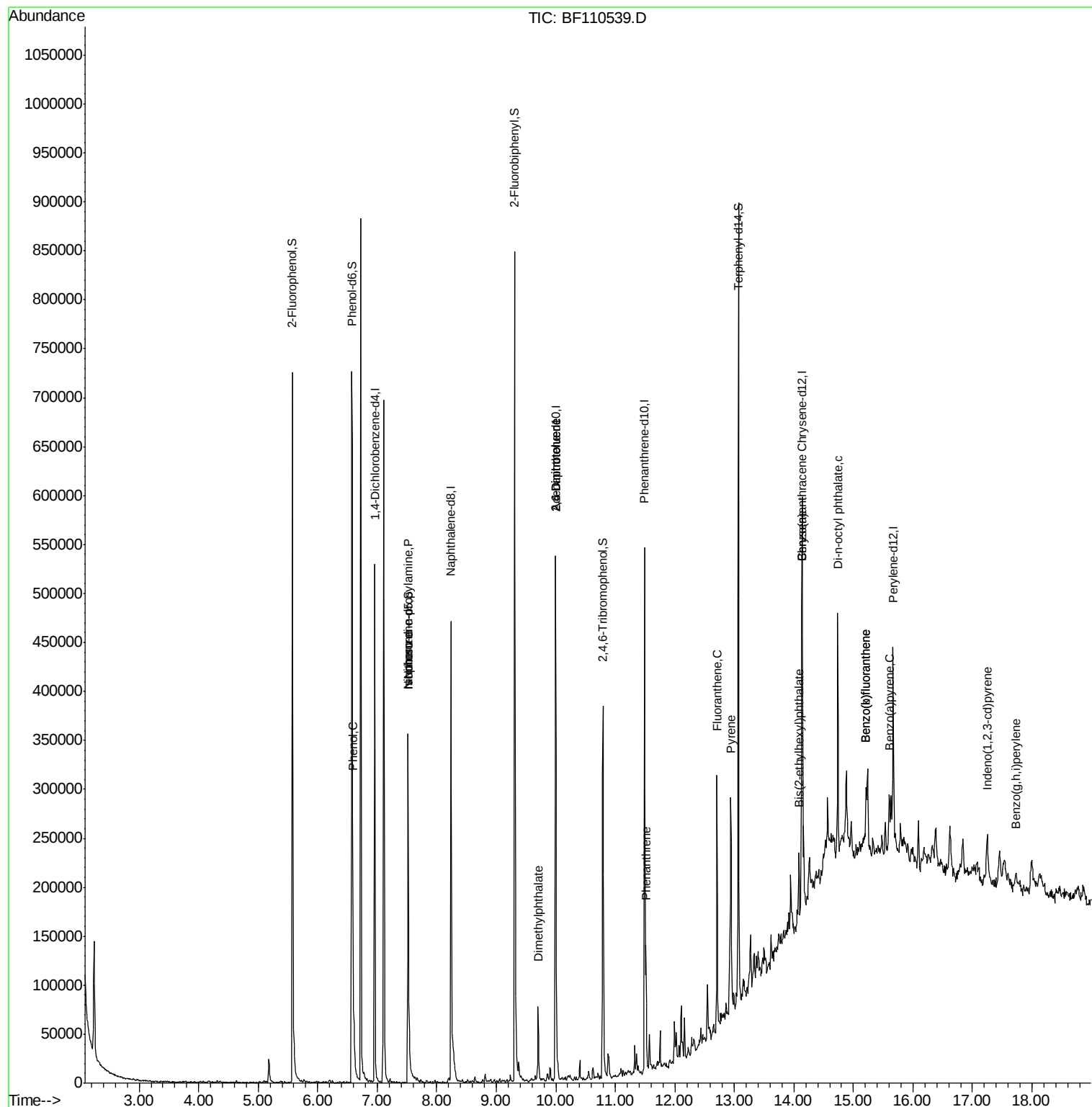
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	403	Below Cal	#	1
10) Phenol	6.59	94	18296	2.83	ng	71
19) n-Nitroso-di-n-propylamine	7.52	70	19939	5.14	ng	85
25) Isophorone	7.52	82	160818	19.93	ng	67
50) Dimethylphthalate	9.70	163	35032	4.20	ng	99
51) 2,6-Dinitrotoluene	10.00	165	14213	7.91	ng	22
57) 2,4-Dinitrotoluene	10.00	165	14213	6.23	ng	19
71) Phenanthrene	11.52	178	43835	4.00	ng	99
75) Fluoranthene	12.71	202	101623	9.14	ng	98
77) Benzidine	13.07	184	3627	Below Cal	#	82
78) Pyrene	12.94	202	92454	9.61	ng	98
81) Benzo(a)anthracene	14.13	228	37995	4.78	ng	96
83) Chrysene	14.13	228	37995	5.03	ng	93
84) Bis(2-ethylhexyl)phthalate	14.09	149	16304	2.89	ng	95
85) Di-n-octyl phthalate	14.74	149	22131	2.52	ng	43
86) Indeno(1,2,3-cd)pyrene	17.25	276	15632	2.49	ng	96
88) Benzo(b)fluoranthene	15.22	252	49377	7.87	ng	87
89) Benzo(k)fluoranthene	15.22	252	49377	8.00	ng	87
90) Benzo(a)pyrene	15.60	252	26867	4.65	ng	93
92) Benzo(a,h,i)perylene	17.73	276	16431	3.35	ng	90

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

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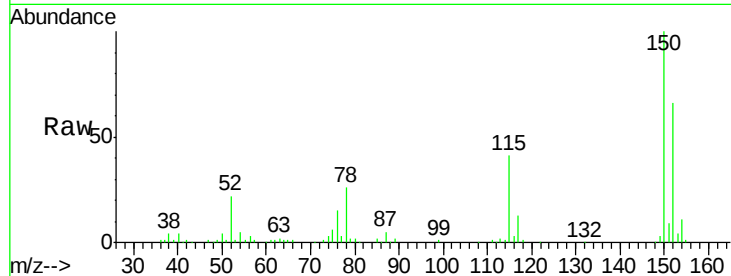


#1

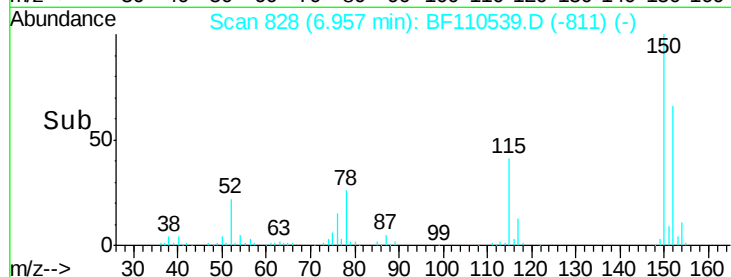
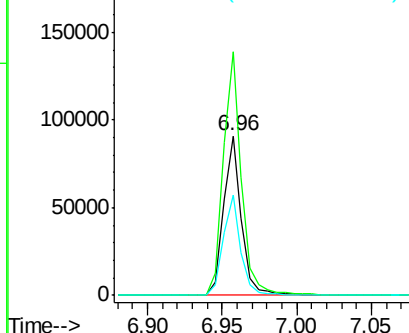
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76953
Ion Ratio Lower Upper
152 100
150 152.6 122.7 184.1
115 62.6 49.1 73.7



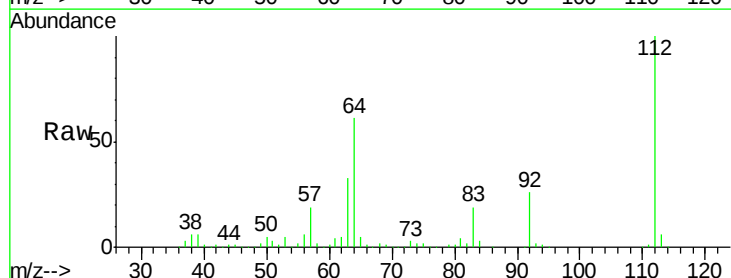
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



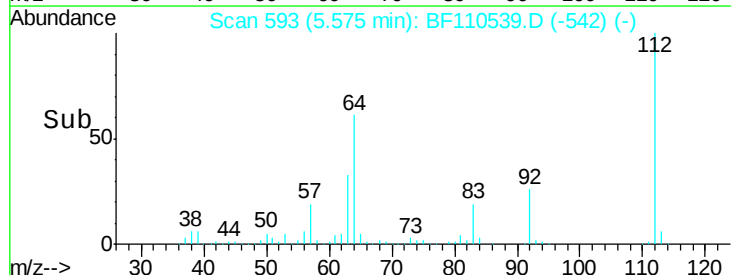
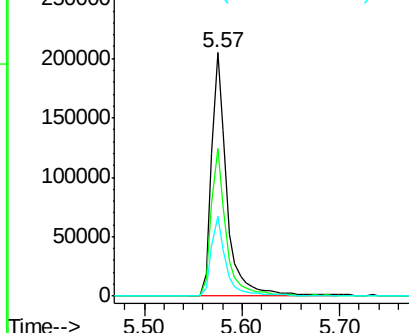
#5

2-Fluorophenol
Concen: 47.53 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion:112 Resp: 224594
Ion Ratio Lower Upper
112 100
64 60.9 44.1 66.1
63 32.5 23.7 35.5



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: 47.49 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

Instrument :

BNA_F

ClientSampleId :

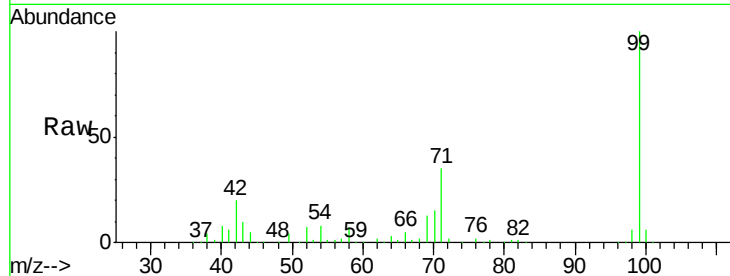
Tot Ion: 99 Resp: 287029

Ion Ratio Lower Upper

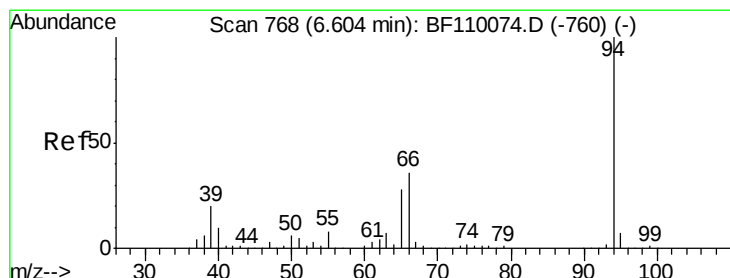
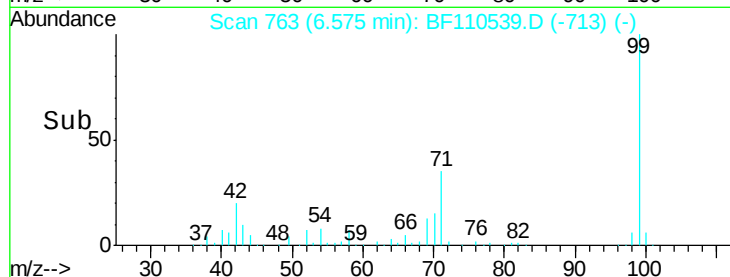
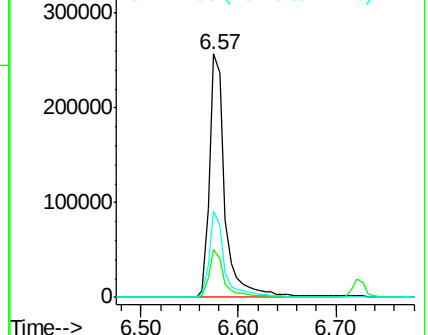
99 100

42 19.7 15.8 23.6

71 35.4 28.0 42.0



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



#10

Phenol

Concen: 2.83 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

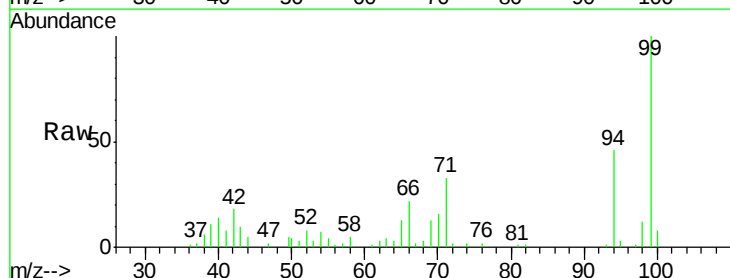
Tgt Ion: 94 Resp: 18296

Ion Ratio Lower Upper

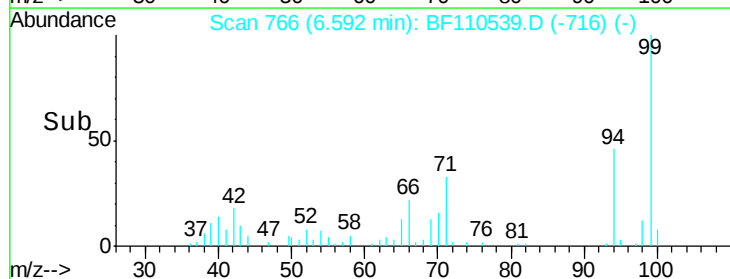
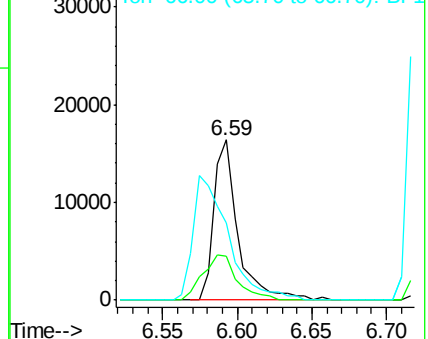
94 100

65 27.8 25.3 65.3

66 48.2 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

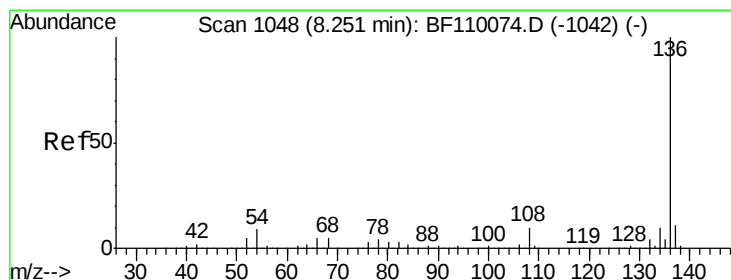
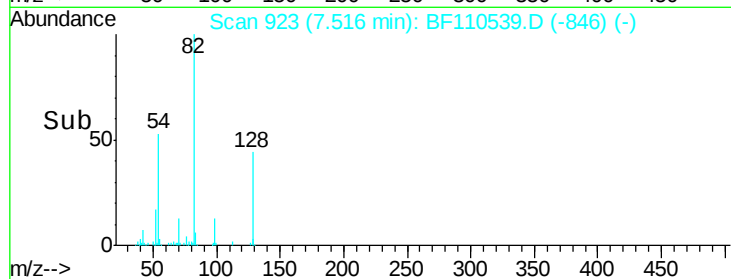
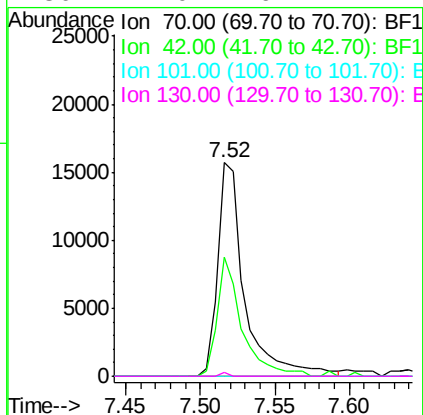
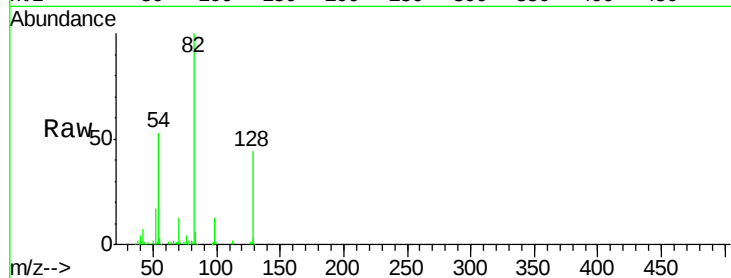




#19
n-Nitroso-di-n-propylamine
Concen: 5.14 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

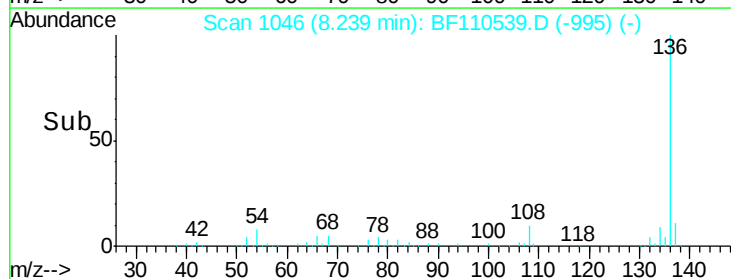
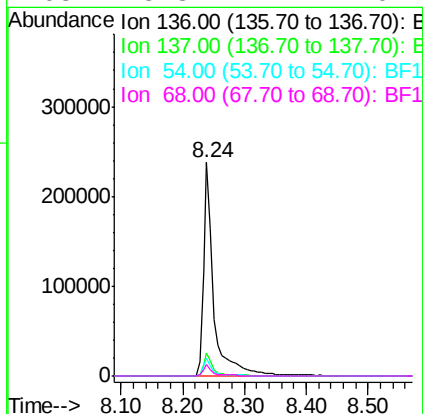
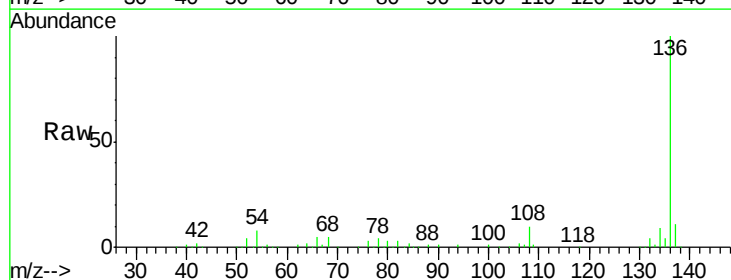
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 19939
Ion Ratio Lower Upper
70 100
42 55.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion: 136 Resp: 280750
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.1 5.4 8.2
68 5.3 4.2 6.2

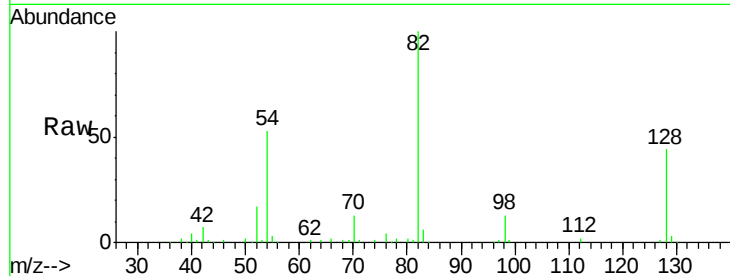




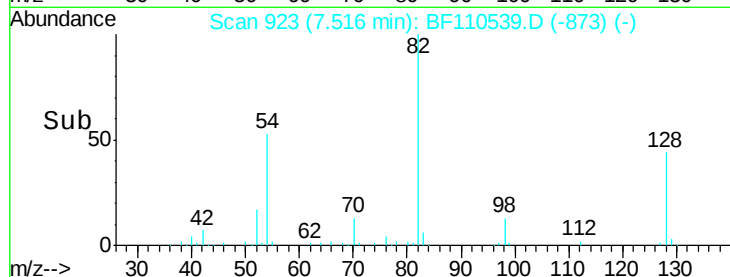
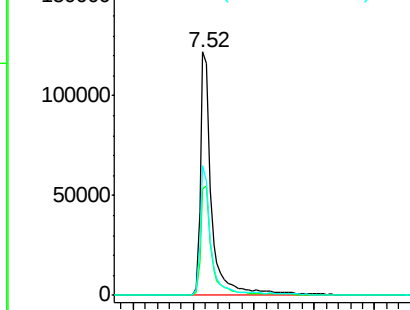
#23
Nitrobenzene-d5
Concen: 33.98 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	160818
Ion Ratio	100	Lower	Upper
128	43.6	34.2	51.2
54	53.1	38.6	58.0

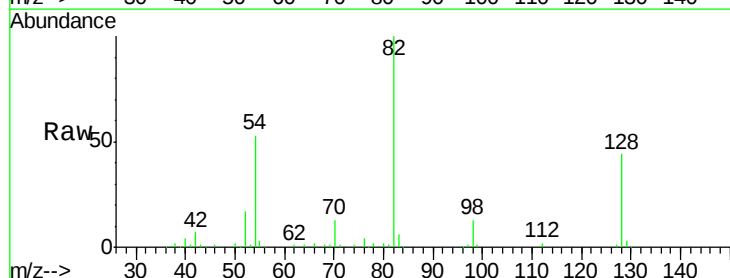


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

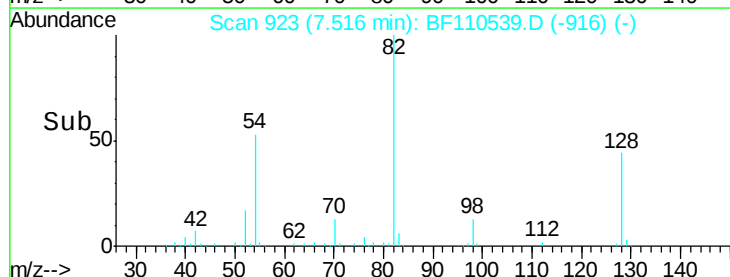
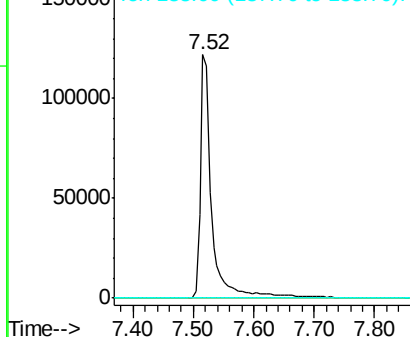


#25
Isophorone
Concen: 19.93 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion	82	Resp	160818
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

Instrument :

BNA_F

ClientSampleId :

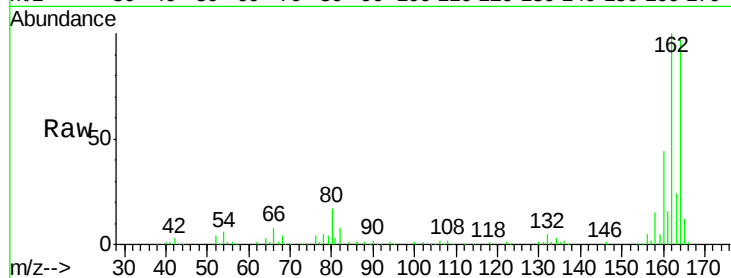
Tot Ion:164 Resp: 113035

Ion Ratio Lower Upper

164 100

162 102.6 83.0 124.6

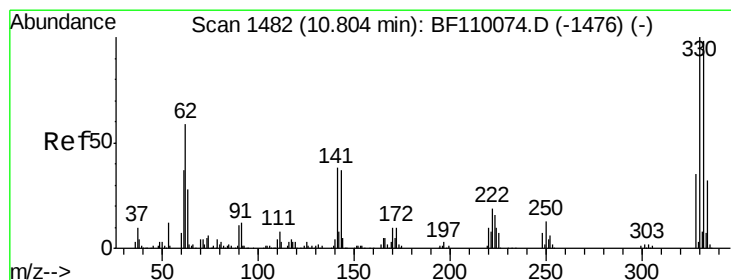
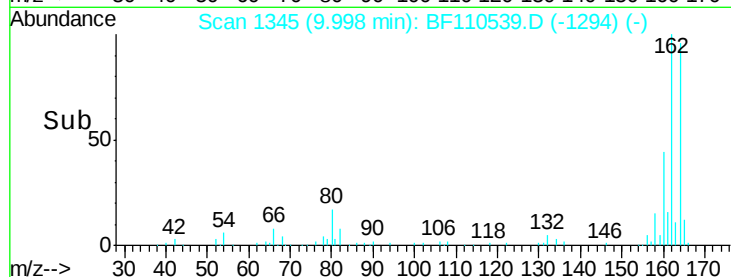
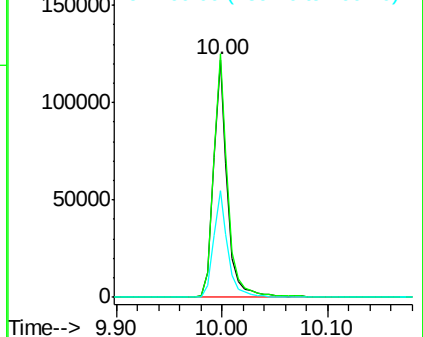
160 45.1 37.0 55.6



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: 45.45 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

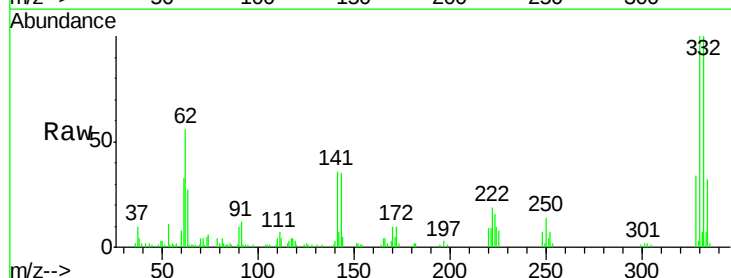
Tgt Ion:330 Resp: 50885

Ion Ratio Lower Upper

330 100

332 98.1 77.1 115.7

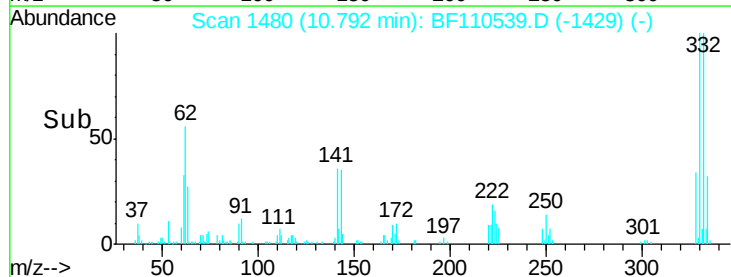
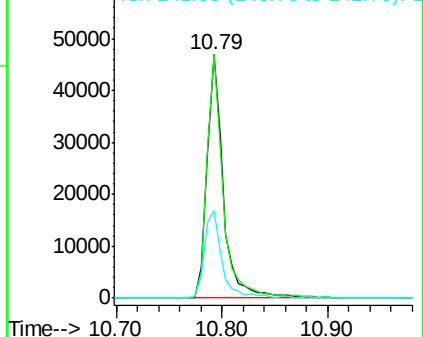
141 37.8 27.0 40.4



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

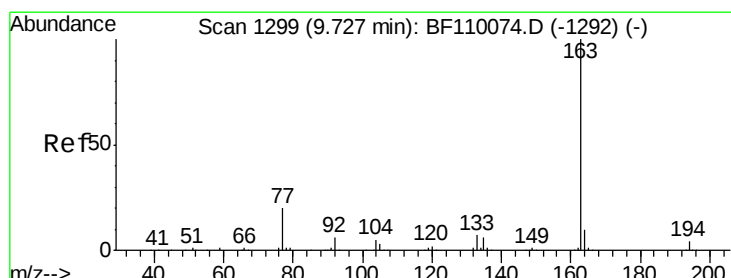
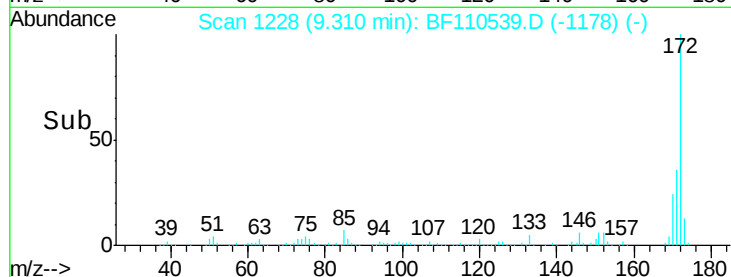
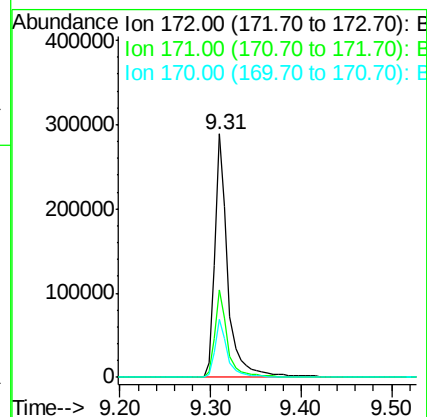
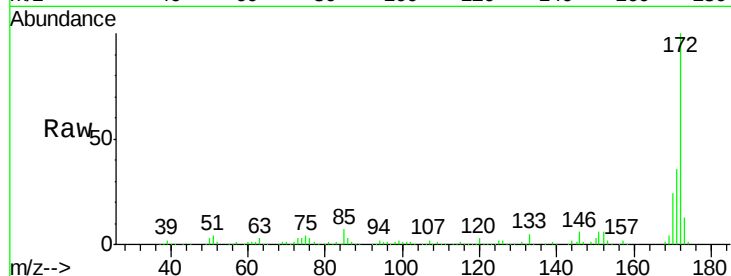




#45
2-Fluorobiphenyl
Concen: 41.00 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

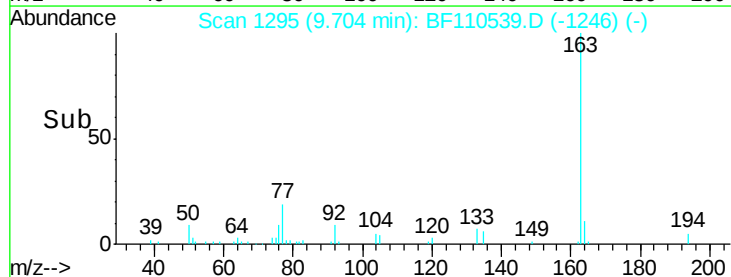
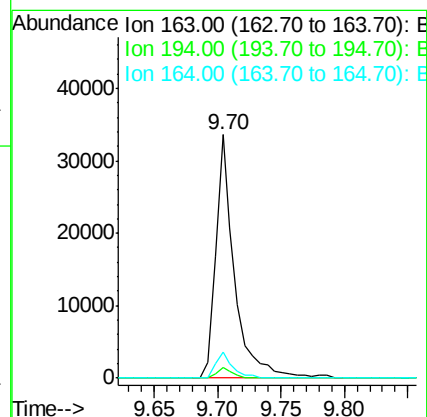
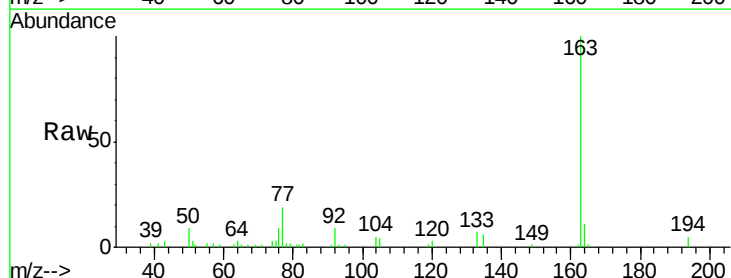
Instrument :
BNA_F
ClientSampleId :

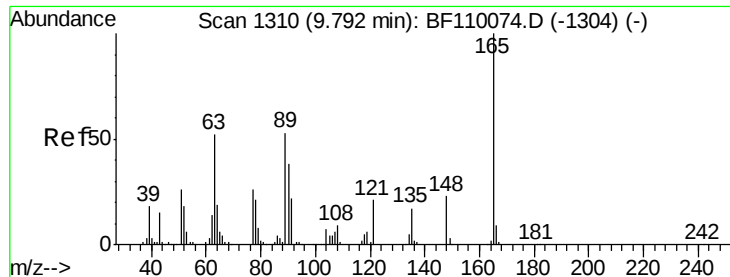
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.9	19.7	29.5



#50
Dimethylphthalate
Concen: 4.20 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	10.5	8.1	12.1

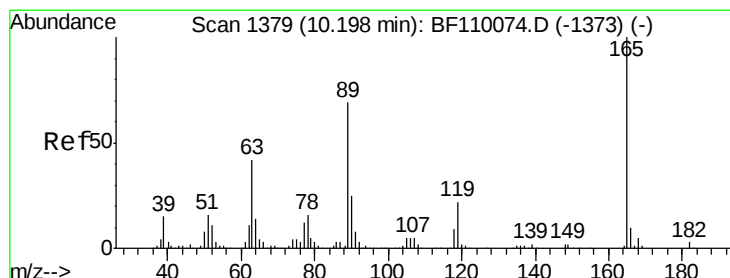
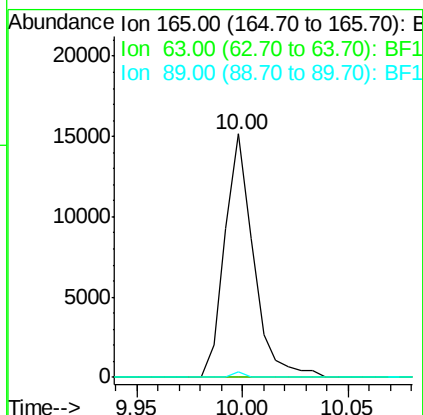
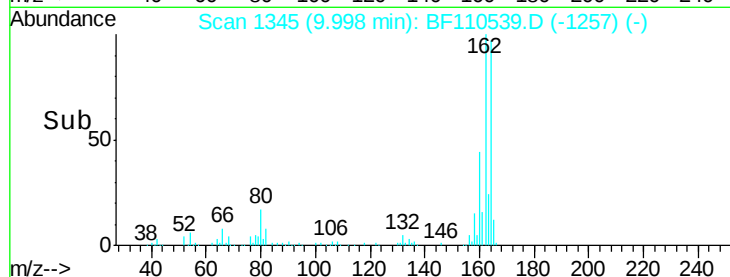
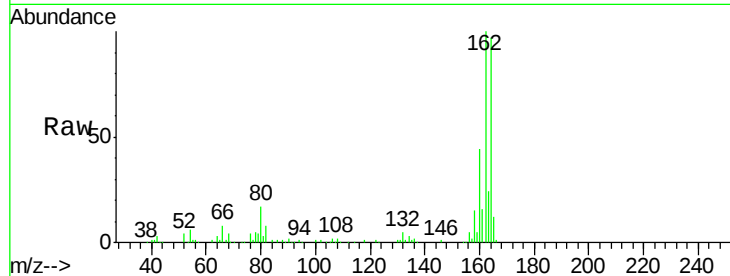




#51
2,6-Dinitrotoluene
Concen: 7.91 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.22 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

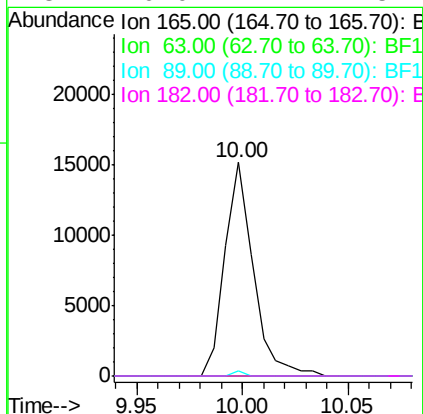
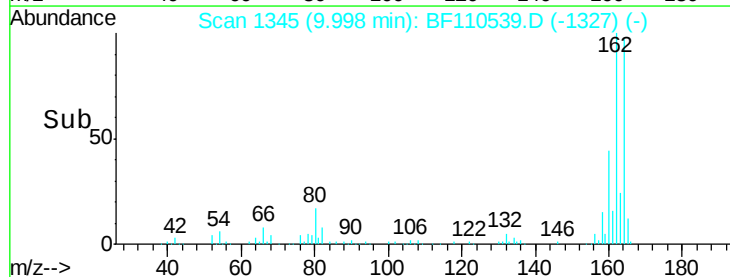
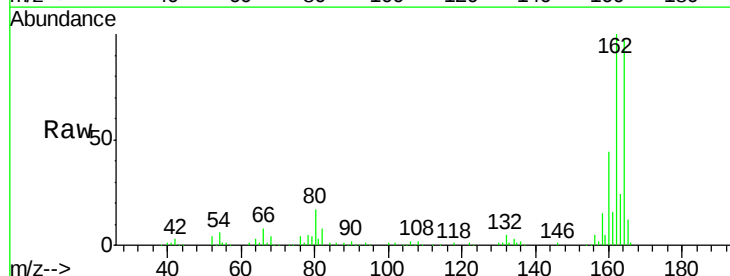
Instrument :
BNA_F
ClientSampleId :

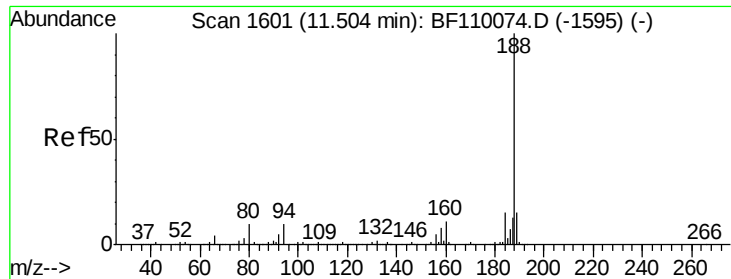
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.3	46.6	69.8#



#57
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.19 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.3	62.2	93.4#
182	0.0	2.1	3.1#

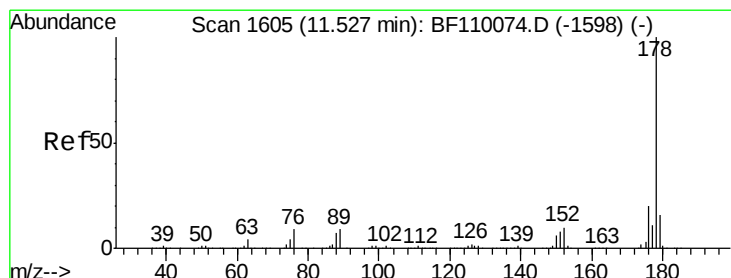
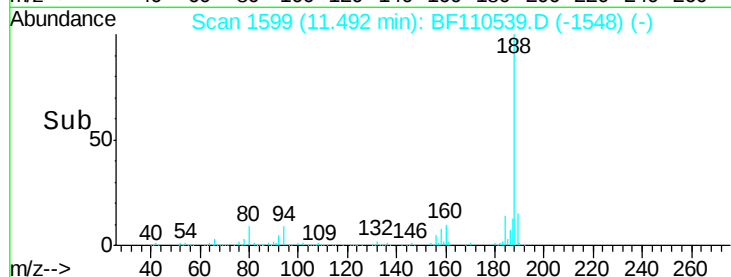
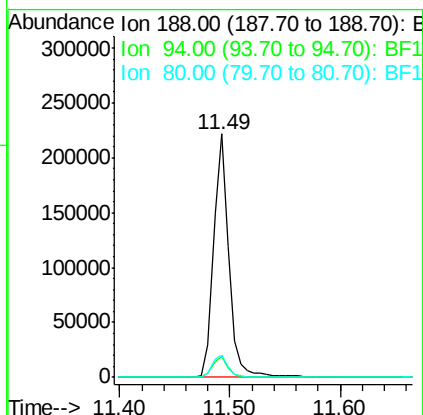
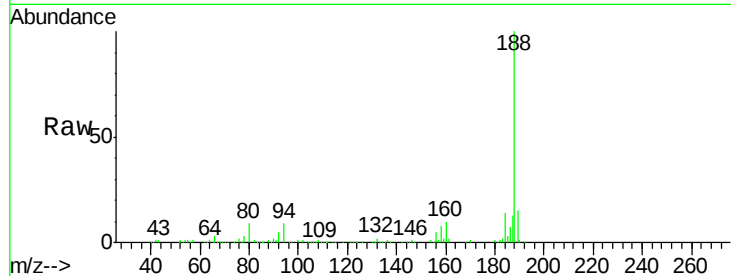




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

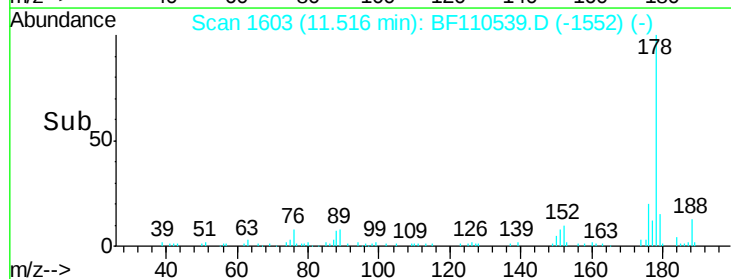
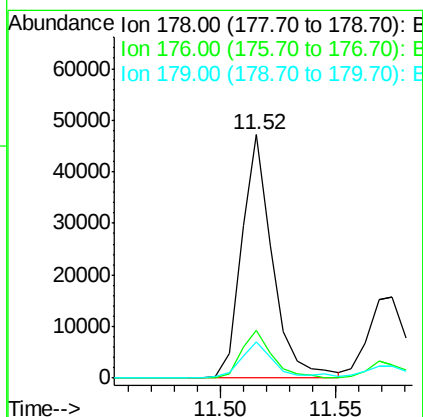
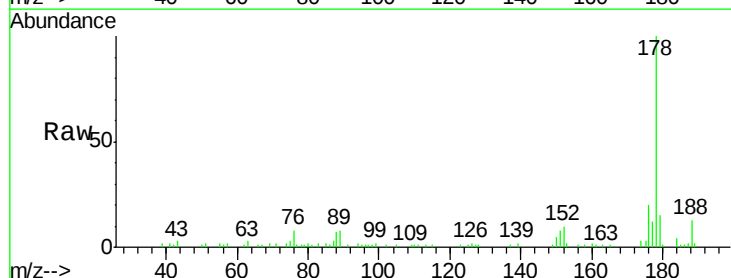
Instrument :
BNA_F
ClientSampleId :

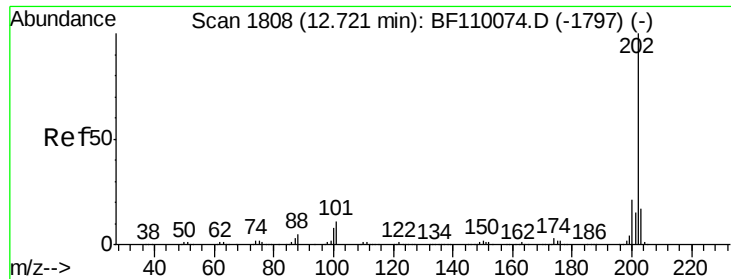
Tot Ion:188 Resp: 209439
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 8.9 7.9 11.9



#71
Phenanthrene
Concen: 4.00 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion:178 Resp: 43835
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 14.8 12.5 18.7





#75

Fluoranthene

Concen: 9.14 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

Instrument :

BNA_F

ClientSampled :

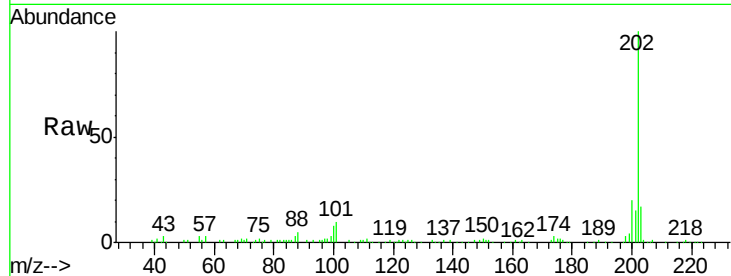
Tot Ion:202 Resp: 101623

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

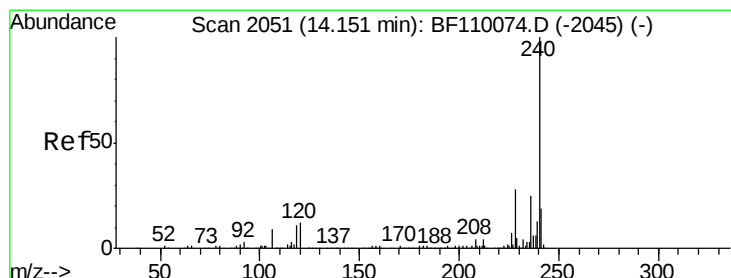
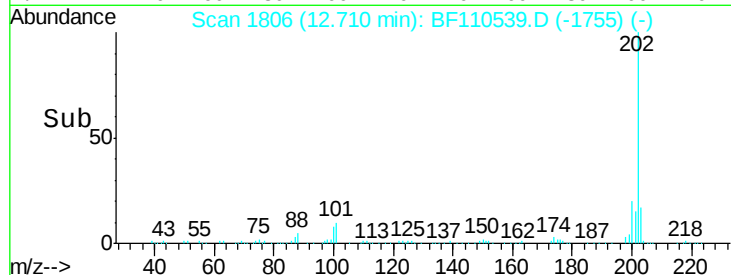
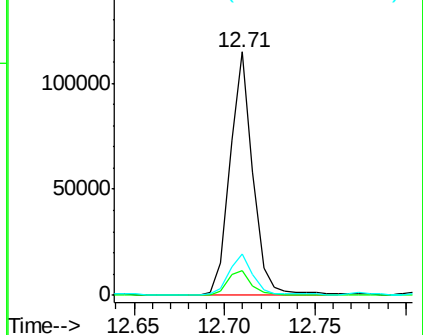
203 17.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

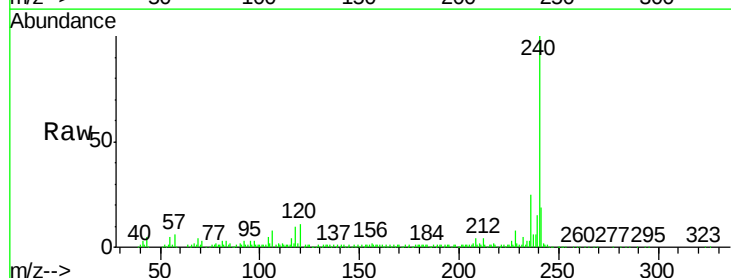
Tgt Ion:240 Resp: 134127

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

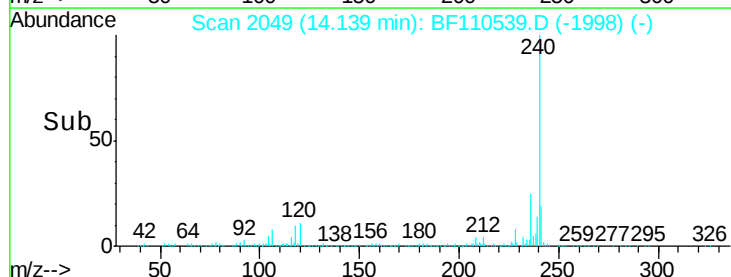
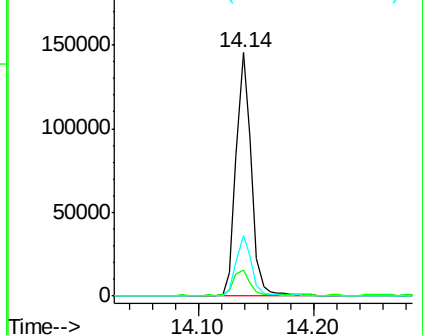
236 25.1 21.2 31.8

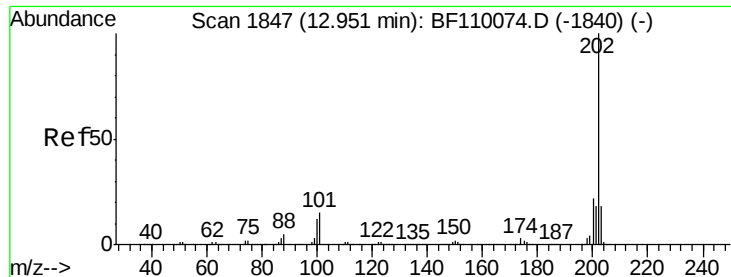


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

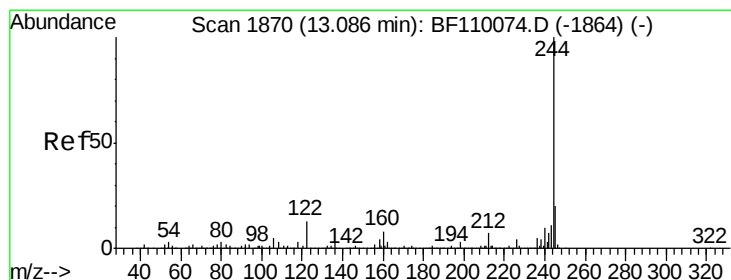
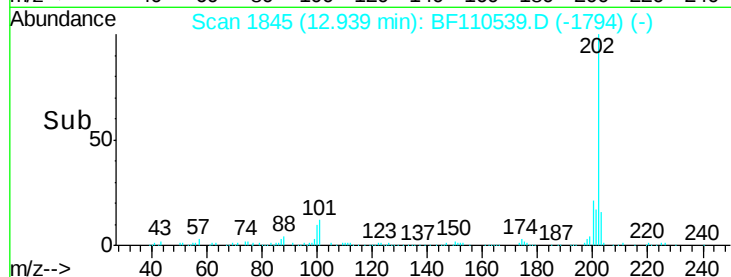
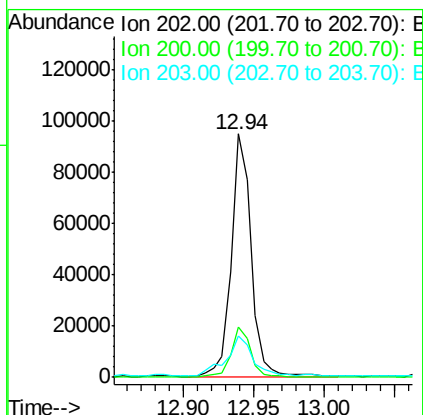
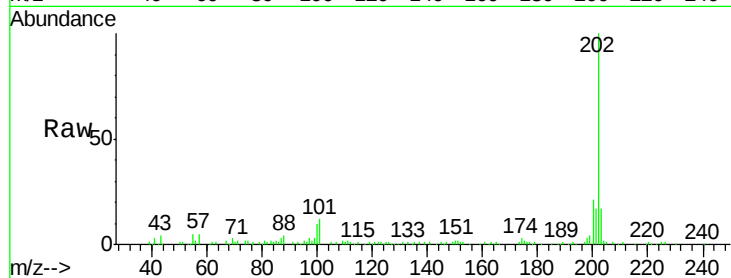




#78
Pvrene
Concen: 9.61 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

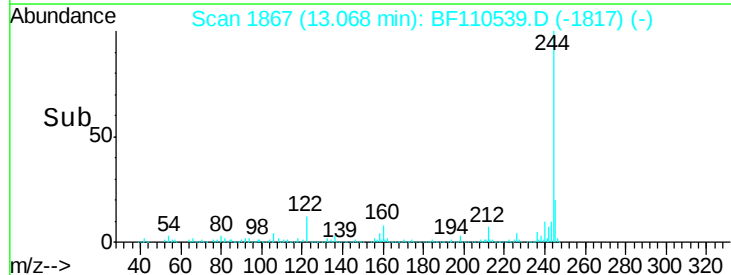
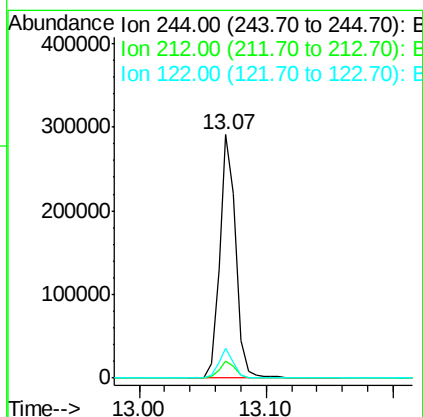
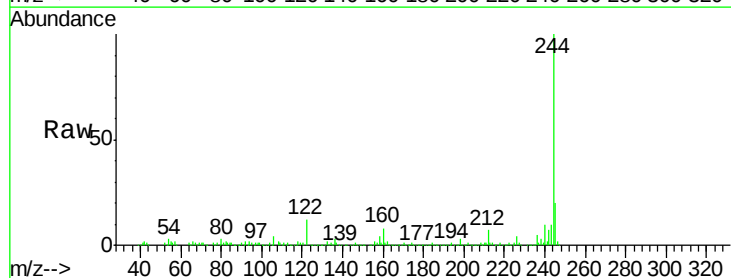
Instrument :
BNA_F
ClientSampleId :

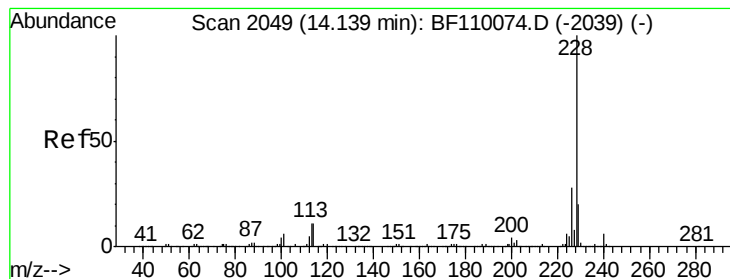
Tot Ion:202 Resp: 92454
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 16.9 14.2 21.4



#79
Terphenyl-d14
Concen: 39.96 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion:244 Resp: 257722
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 12.0 8.7 13.1





#81

Benzo(a)anthracene

Concen: 4.78 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

Instrument :

BNA_F

ClientSampleId :

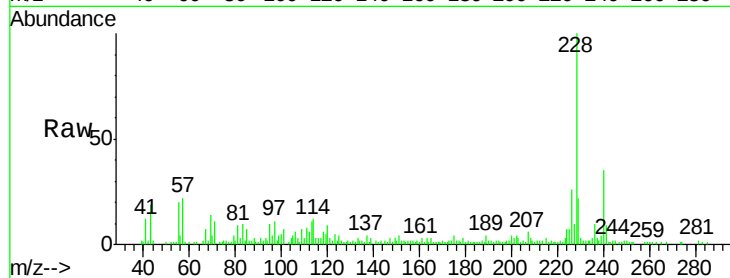
Tot Ion:228 Resp: 37995

Ion Ratio Lower Upper

228 100

226 26.1 22.1 33.1

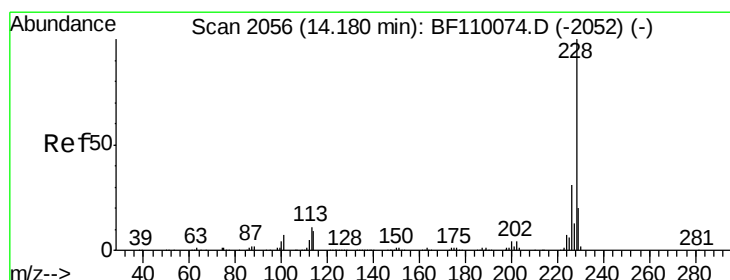
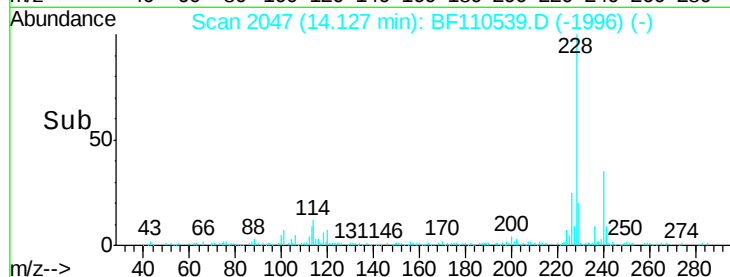
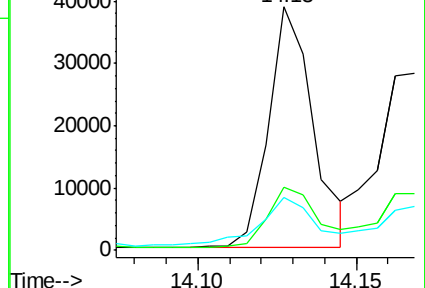
229 21.9 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.03 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.04 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

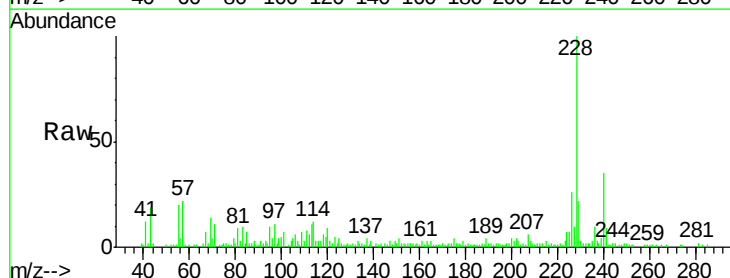
Tgt Ion:228 Resp: 37995

Ion Ratio Lower Upper

228 100

226 26.1 24.7 37.1

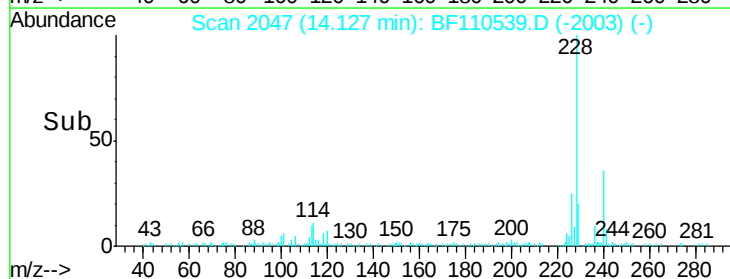
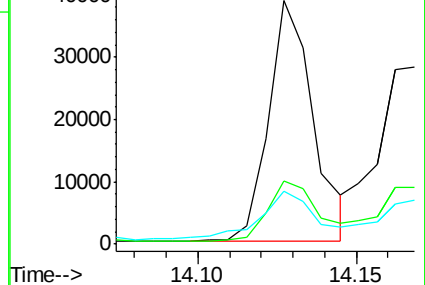
229 21.9 15.9 23.9

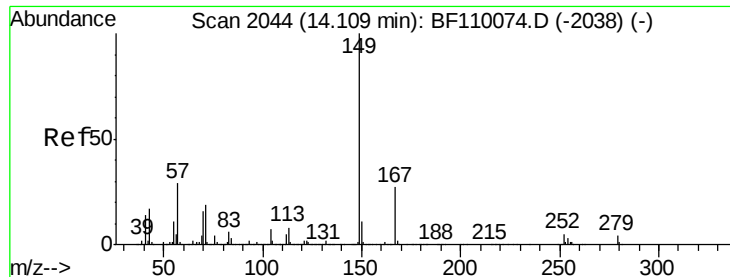


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.89 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

Instrument :

BNA_F

ClientSampleId :

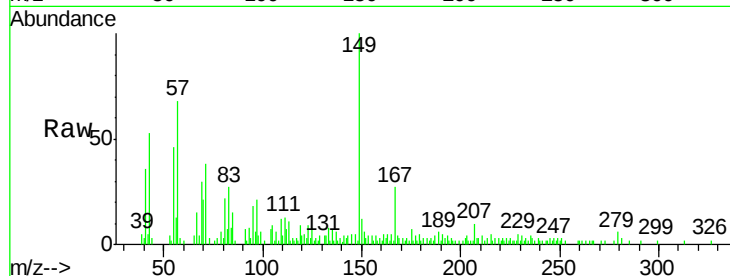
Tot Ion:149 Resp: 16304

Ion Ratio Lower Upper

149 100

167 27.1 19.8 29.8

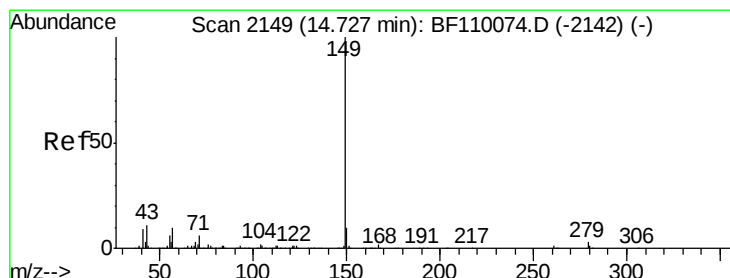
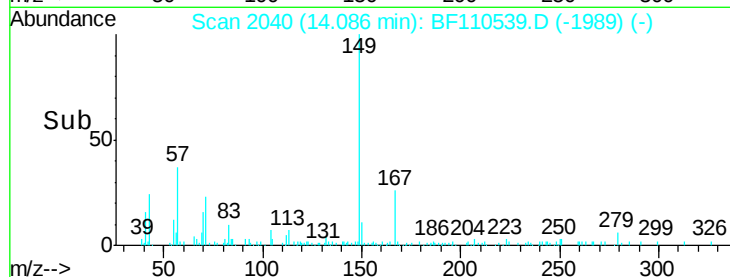
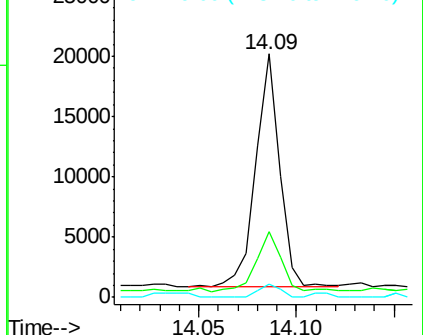
279 5.6 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.52 ng

RT: 14.74 min Scan# 2151

Delta R.T. 0.04 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

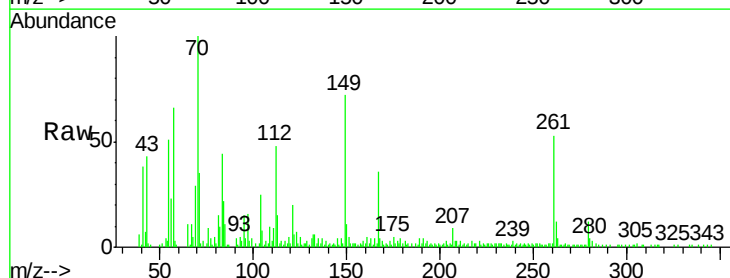
Tgt Ion:149 Resp: 22131

Ion Ratio Lower Upper

149 100

167 48.5 1.1 1.7#

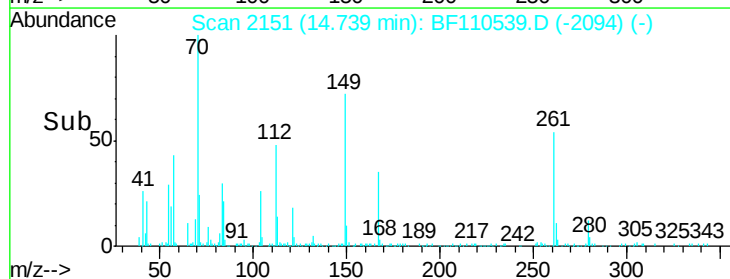
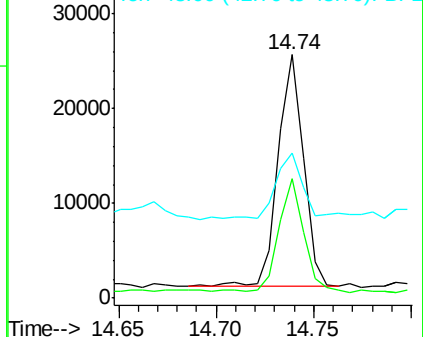
43 27.3 7.8 11.8#

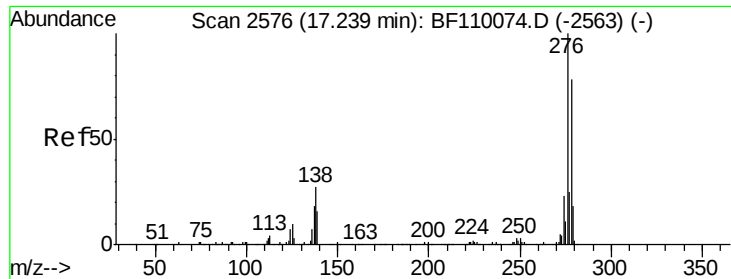


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.49 ng

RT: 17.25 min Scan# 2578

Delta R.T. 0.02 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

Instrument :

BNA_F

ClientSampleId :

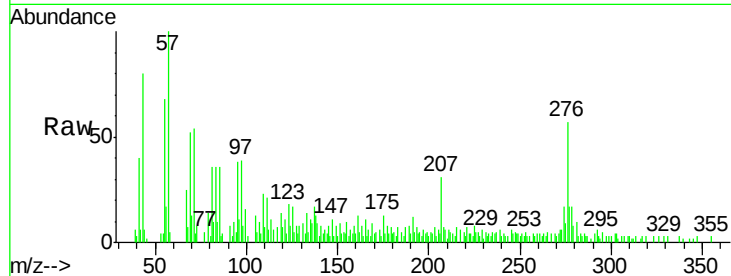
Tot Ion:276 Resp: 15632

Ion Ratio Lower Upper

276 100

138 21.9 18.5 27.7

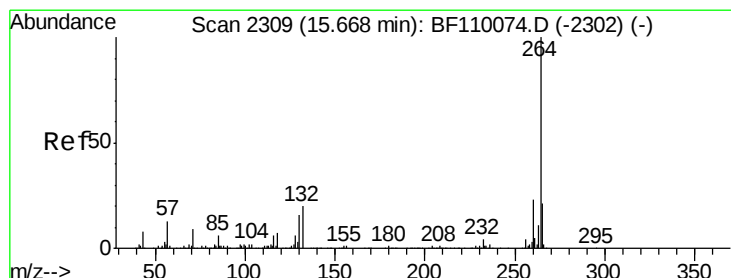
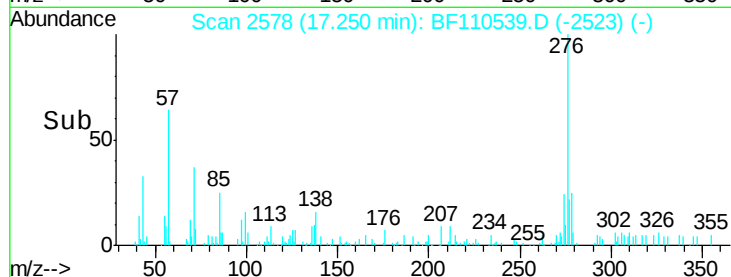
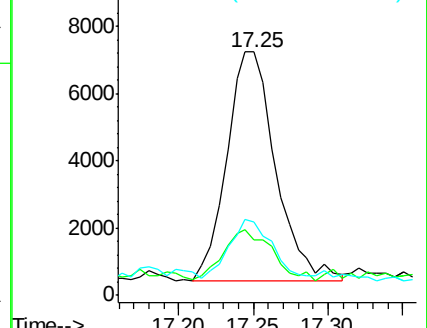
277 21.9 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110539.D

Acq: 7 Nov 2018 2:10

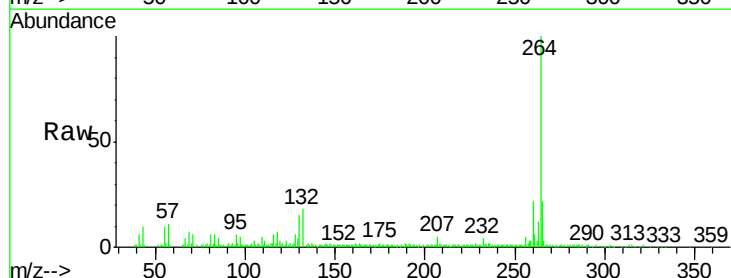
Tgt Ion:264 Resp: 108669

Ion Ratio Lower Upper

264 100

260 21.9 18.7 28.1

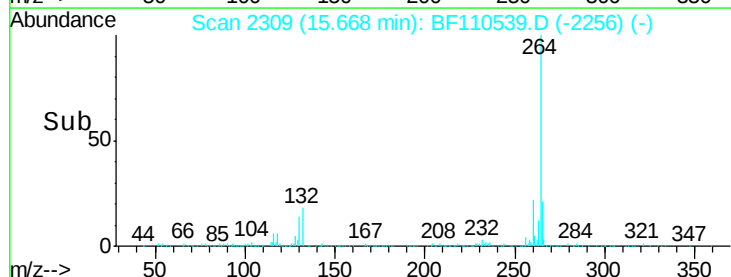
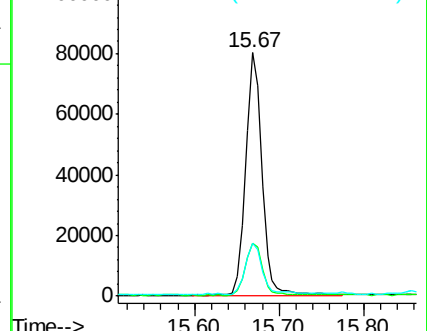
265 21.7 16.7 25.1

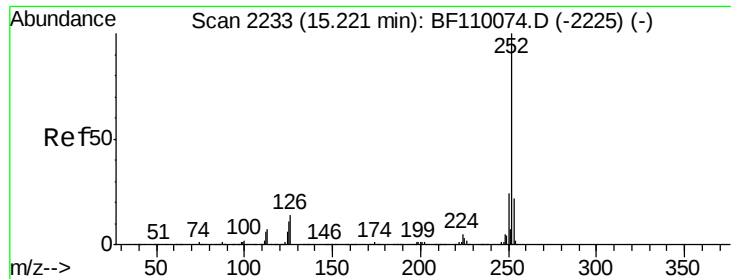


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

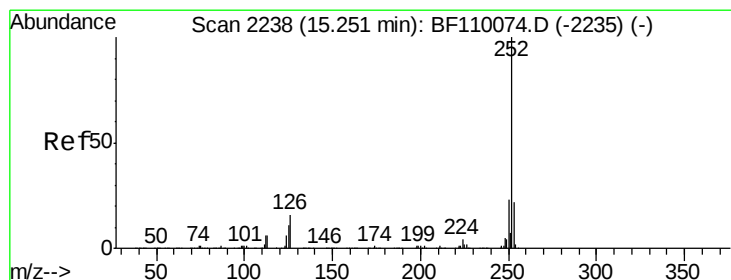
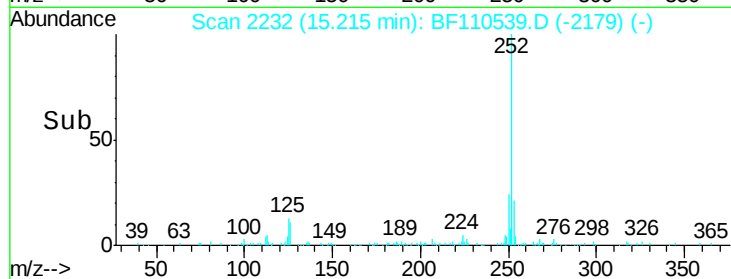
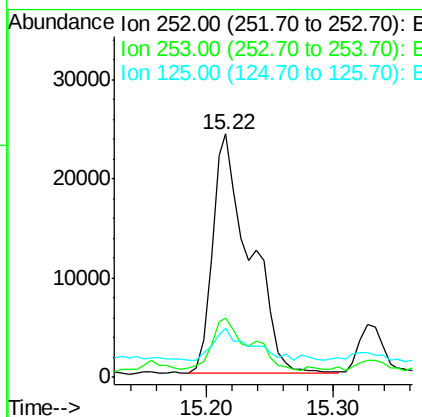
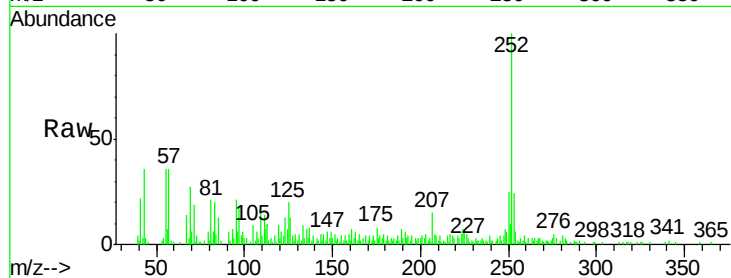




#88
Benzo(b)fluoranthene
Concen: 7.87 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

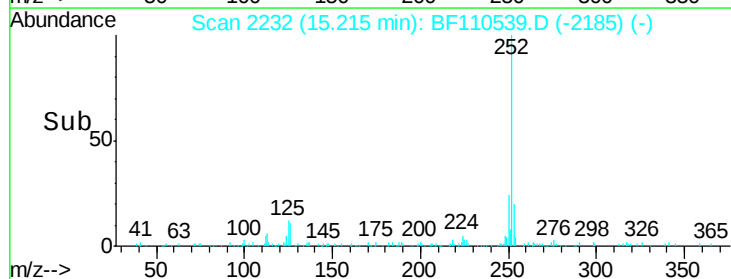
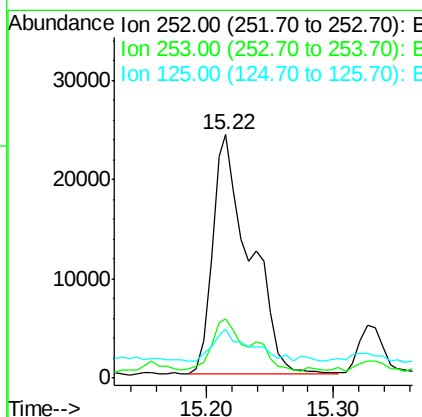
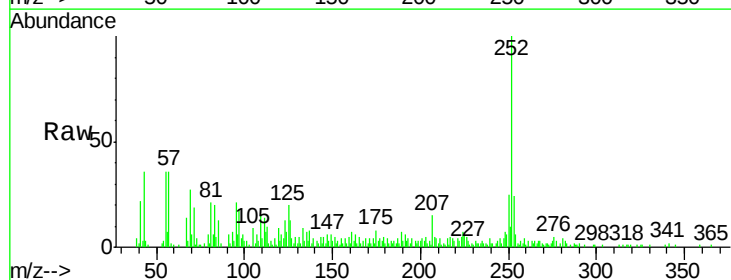
Instrument :
BNA_F
ClientSampleId :

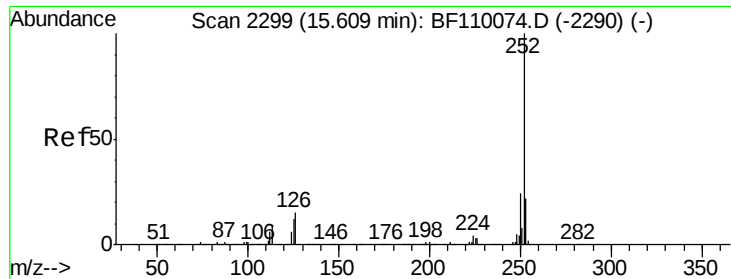
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	20.0	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 8.00 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	20.0	7.4	11.0

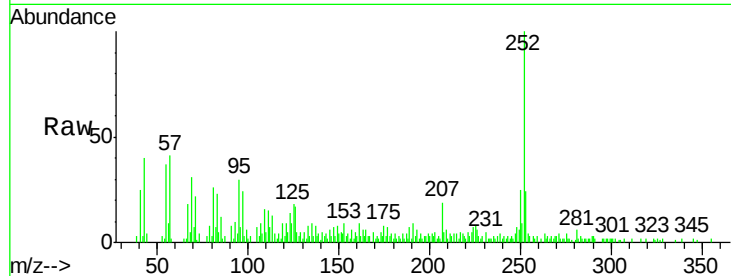




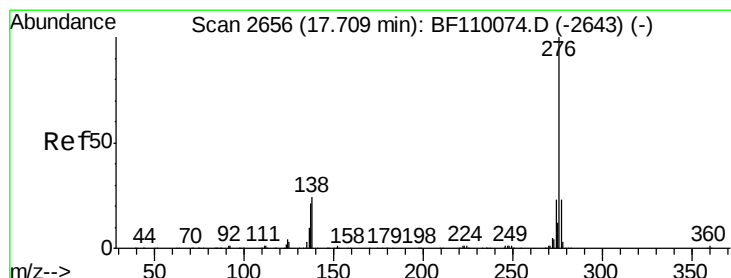
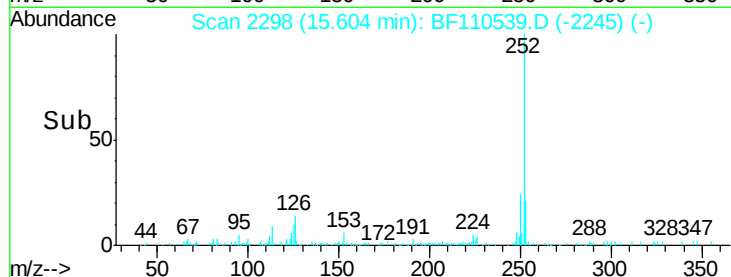
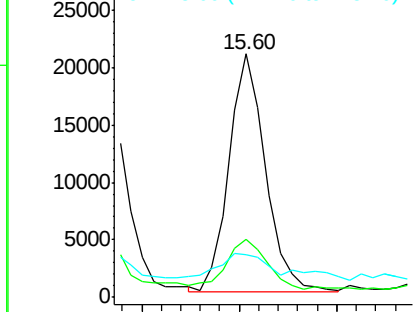
#90
Benzo(a)pyrene
Concen: 4.65 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 26867
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.4
125 17.6 9.0 13.6#

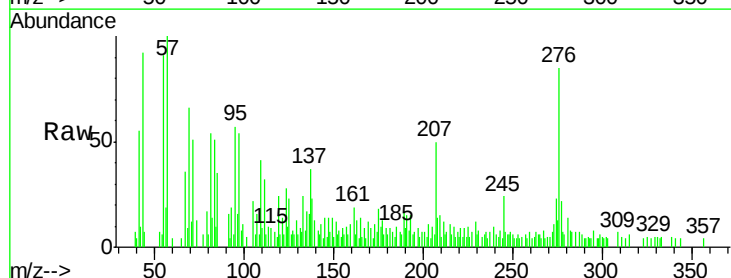


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.35 ng
RT: 17.73 min Scan# 2660
Delta R.T. 0.03 min
Lab File: BF110539.D
Acq: 7 Nov 2018 2:10

Tgt Ion:276 Resp: 16431
Ion Ratio Lower Upper
276 100
277 26.1 18.8 28.2
138 27.3 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

