

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040519\
 Data File : BF113635.D
 Acq On : 6 Apr 2019 00:41
 Operator : JU/SJ
 Sample : K2186-09RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 01:06:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	115623	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	414437	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	178947	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	344779	20.00	ng	0.00
76) Chrysene-d12	13.83	240	214306	20.00	ng	-0.01
87) Perylene-d12	15.24	264	160992	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	668976	98.66	ng	0.00
7) Phenol-d6	6.34	99	852692	102.03	ng	0.00
23) Nitrobenzene-d5	7.25	82	460970	65.15	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	205196	95.46	ng	0.00
45) 2-Fluorobiphenyl	9.04	172	897609	80.75	ng	-0.01
79) Terphenyl-d14	12.78	244	839628	79.77	ng	-0.01

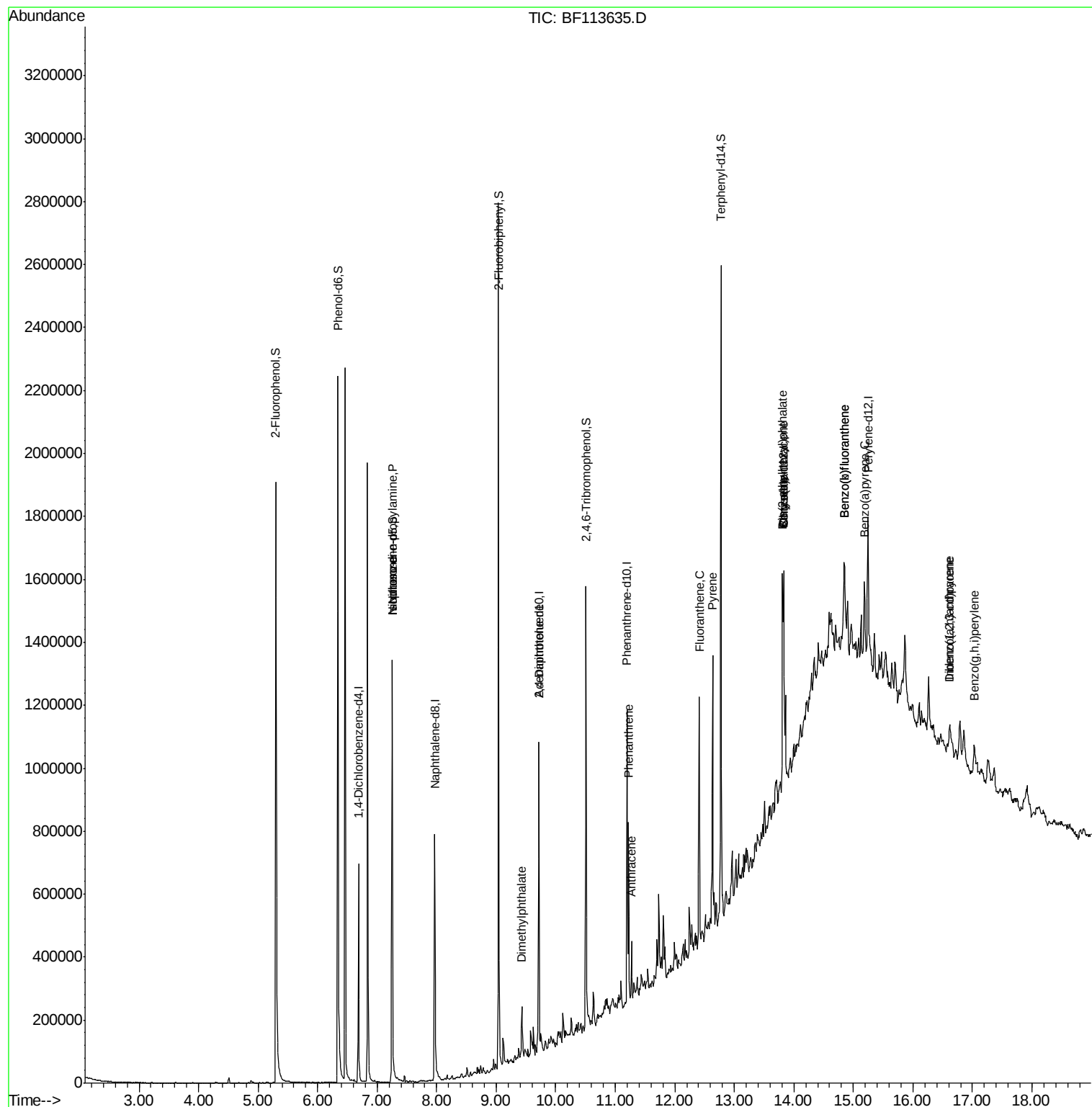
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.25	70	58505	11.353	ng	# 77
25) Isophorone	7.25	82	460967	33.821	ng	# 64
50) Dimethylphthalate	9.43	163	63954	4.848	ng	99
57) 2,4-Dinitrotoluene	9.72	165	24100	6.853	ng	# 24
71) Phenanthrene	11.22	178	213775	12.478	ng	98
72) Anthracene	11.27	178	70914	4.068	ng	98
75) Fluoranthene	12.41	202	349023	19.011	ng	98
78) Pyrene	12.63	202	350725	21.509	ng	99
81) Benzo(a)anthracene	13.82	228	141222	11.424	ng	96
83) Chrysene	13.82	228	141222	11.269	ng	96
84) Bis(2-ethylhexyl)phthalate	13.81	149	182352	22.722	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.62	276	61717	5.334	ng	91
88) Benzo(b)fluoranthene	14.84	252	164958	16.739	ng	# 76
89) Benzo(k)fluoranthene	14.84	252	164958	18.651	ng	# 75
90) Benzo(a)pyrene	15.19	252	95505	10.906	ng	# 87
91) Dibenzo(a,h)anthracene	16.61	278	16525	2.018	ng	# 34
92) Benzo(g,h,i)perylene	17.03	276	60078	7.188	ng	# 83

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

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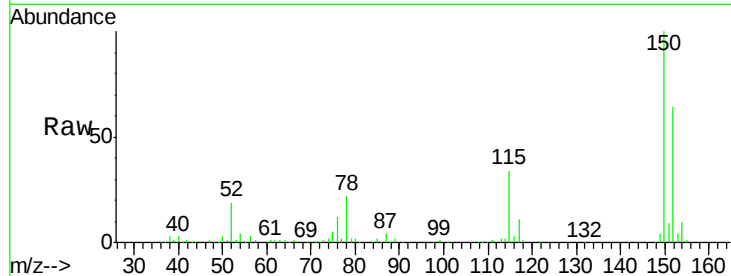


#1

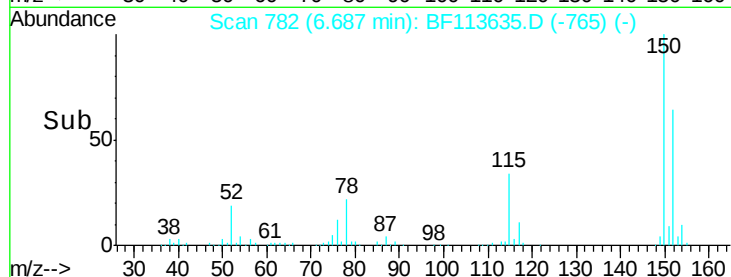
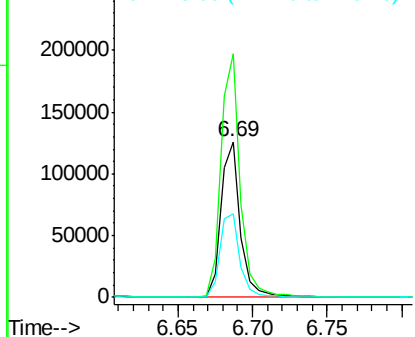
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115623
Ion Ratio Lower Upper
152 100
150 156.2 124.7 187.1
115 53.9 46.0 69.0



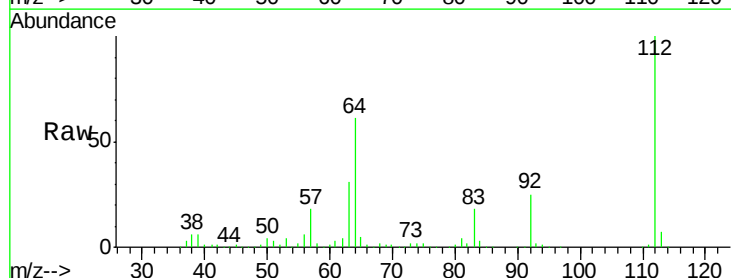
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



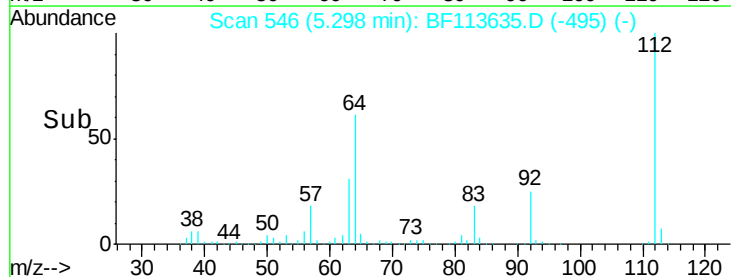
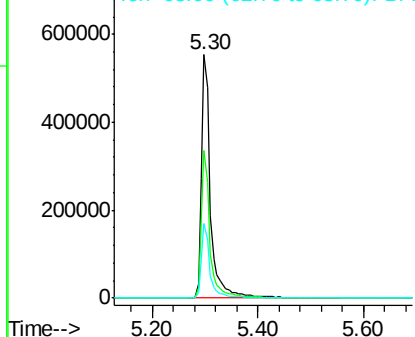
#5

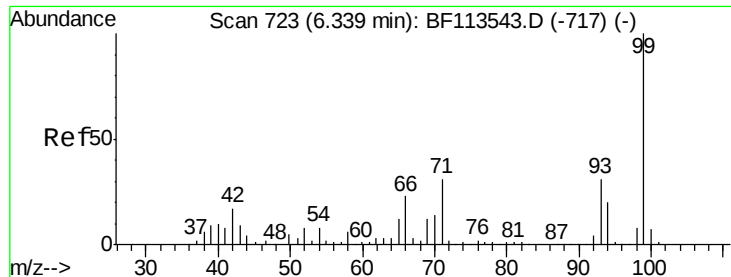
2-Fluorophenol
Concen: 98.662 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Tgt Ion:112 Resp: 668976
Ion Ratio Lower Upper
112 100
64 60.8 49.2 73.8
63 30.6 24.9 37.3



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: 102.033 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampled :

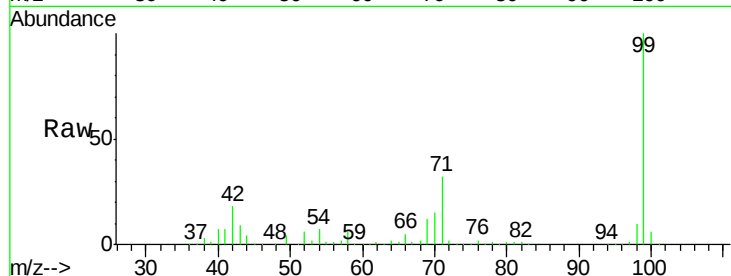
Tot Ion: 99 Resp: 852692

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

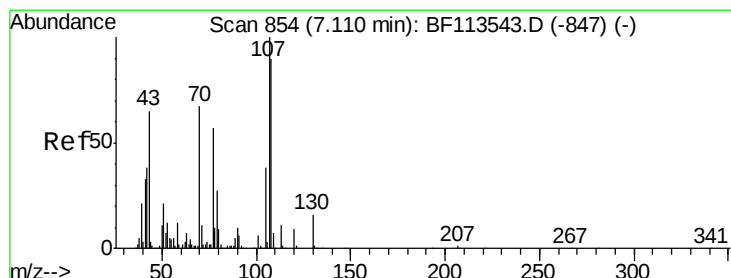
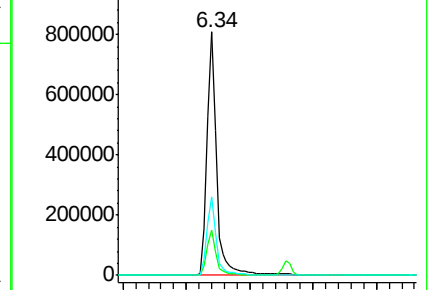
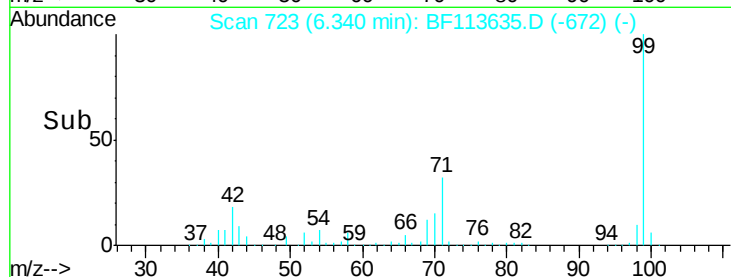
71 32.2 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.353 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.14 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Tgt Ion: 70 Resp: 58505

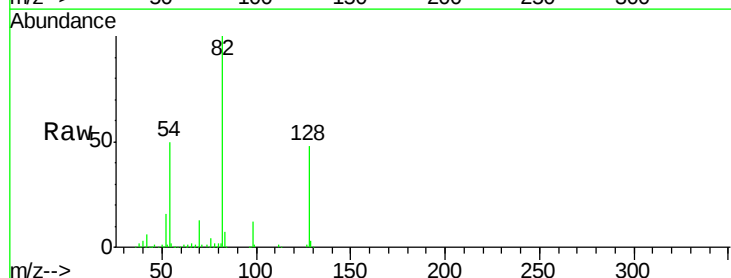
Ion Ratio Lower Upper

70 100

42 49.4 48.4 72.6

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

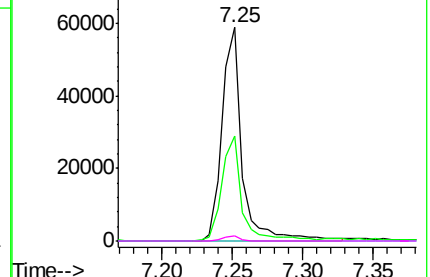
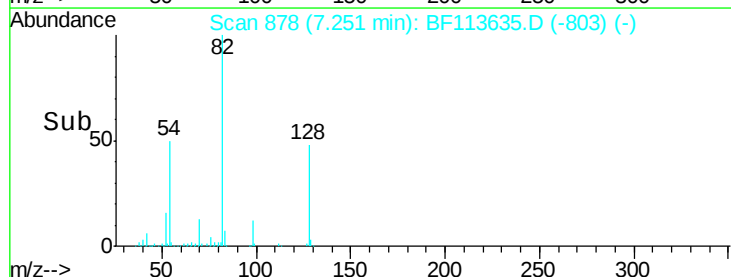


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 414437

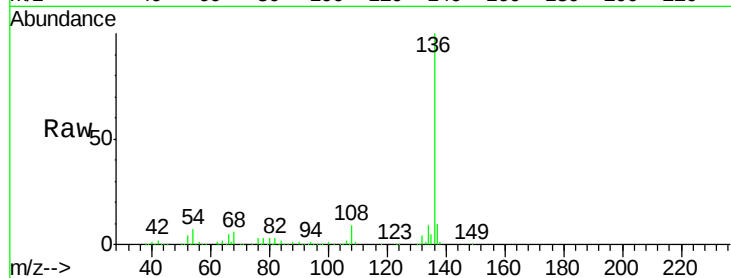
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 7.4 7.0 10.6

68 5.5 4.8 7.2

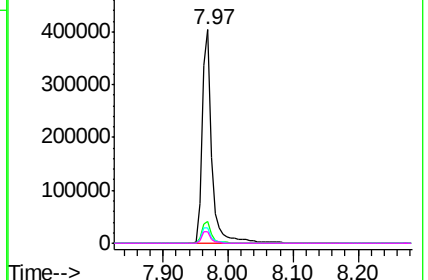
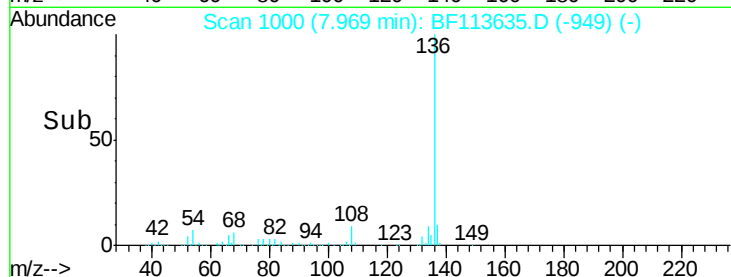


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.152 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

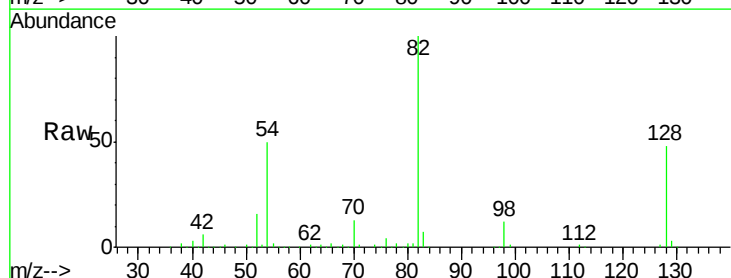
Tgt Ion: 82 Resp: 460970

Ion Ratio Lower Upper

82 100

128 48.1 36.5 54.7

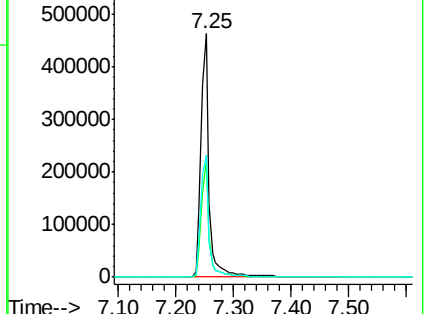
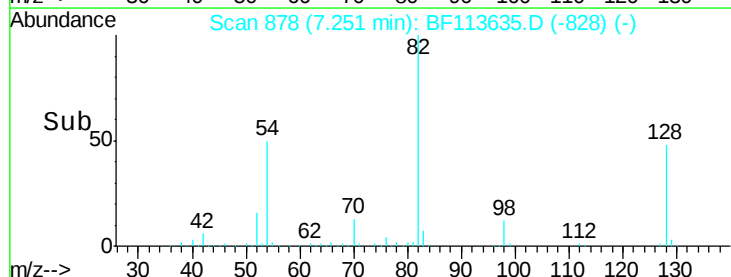
54 50.2 42.2 63.2

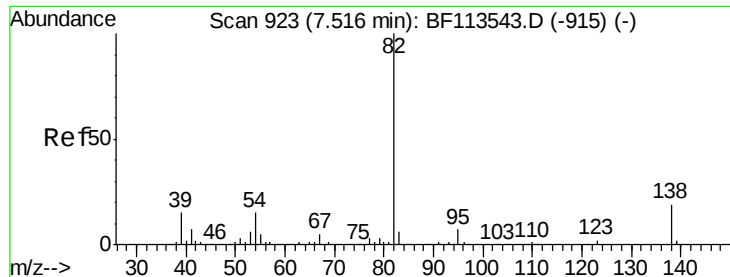


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.821 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

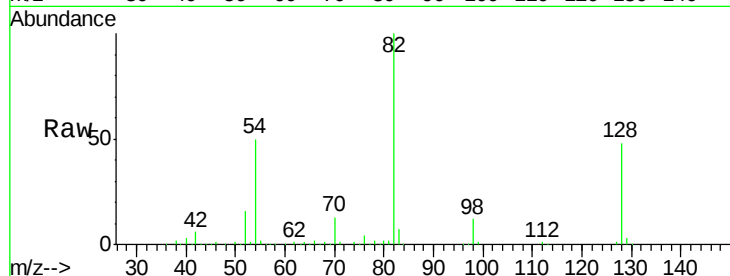
Tot Ion: 82 Resp: 460967

Ion Ratio Lower Upper

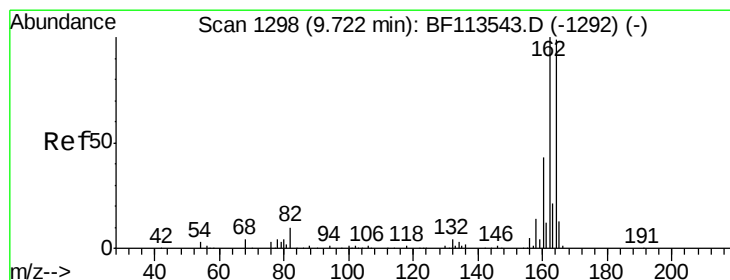
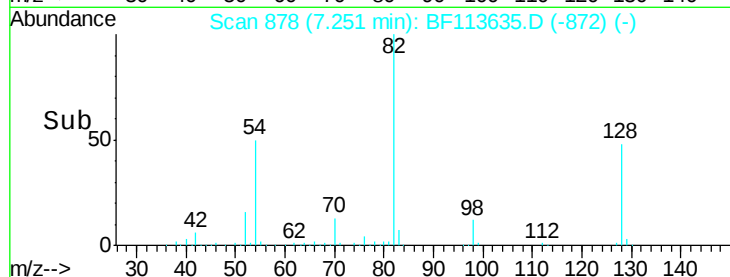
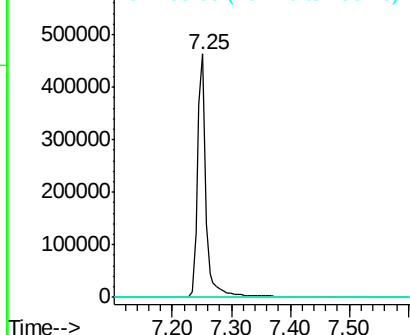
82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



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: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

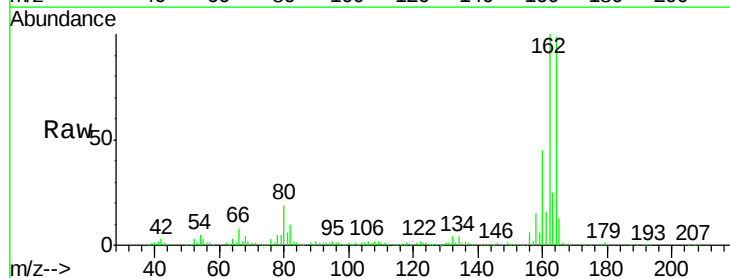
Tgt Ion:164 Resp: 178947

Ion Ratio Lower Upper

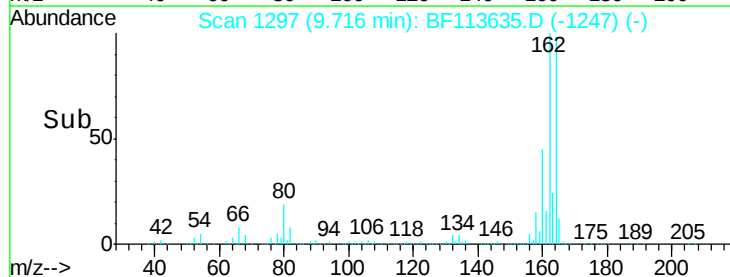
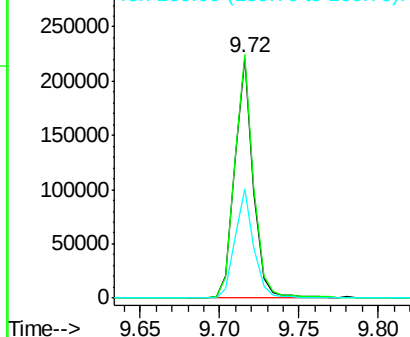
164 100

162 101.4 81.8 122.6

160 45.7 36.4 54.6



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

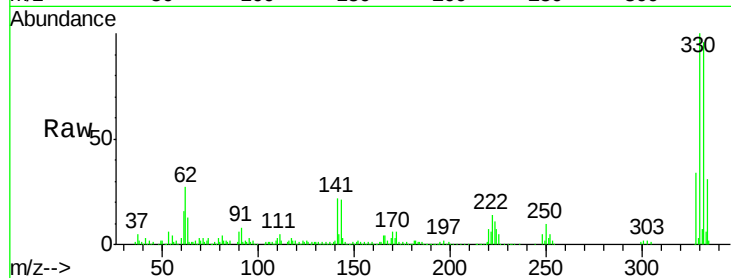




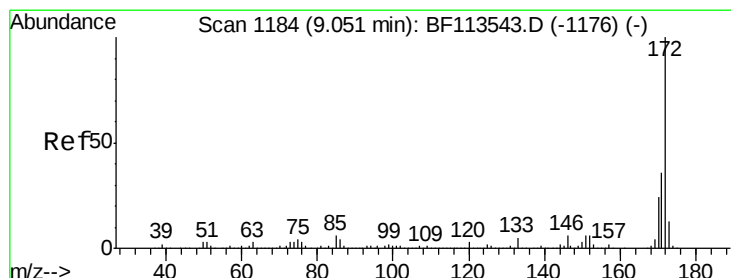
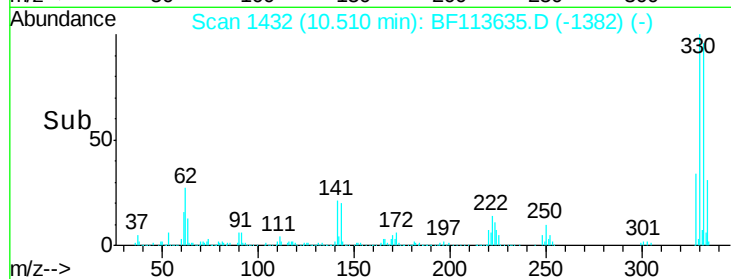
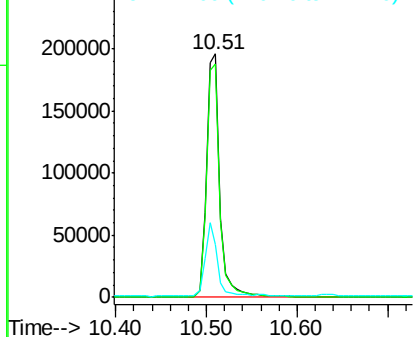
#42
 2,4,6-Tribromophenol
 Concen: 95.458 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF113635.D
 Acq: 6 Apr 2019 00:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.8	116.6
141	28.4	22.7	34.1

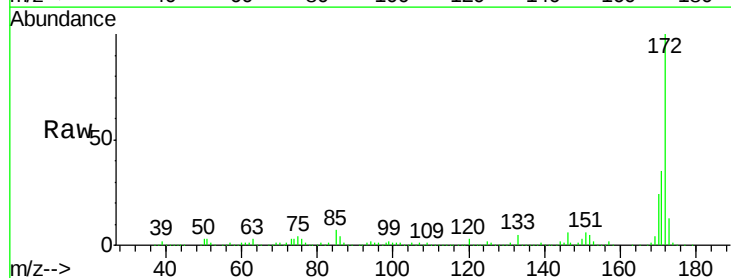


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

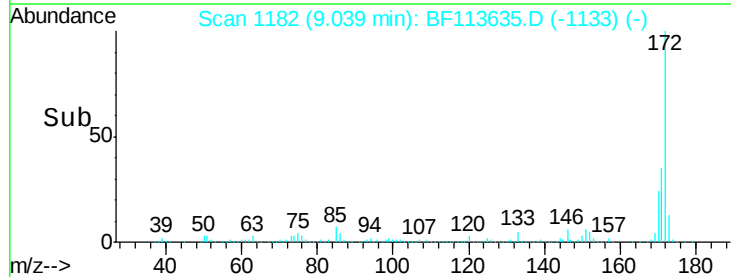
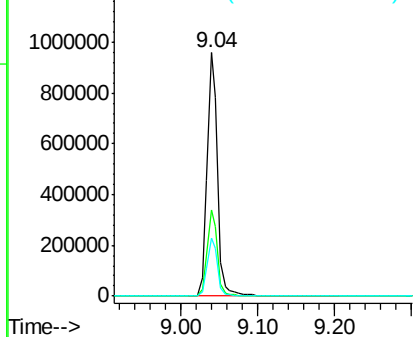


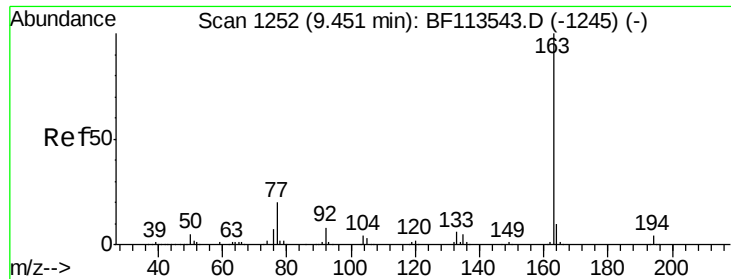
#45
 2-Fluorobiphenyl
 Concen: 80.753 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113635.D
 Acq: 6 Apr 2019 00:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	24.0	19.5	29.3



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

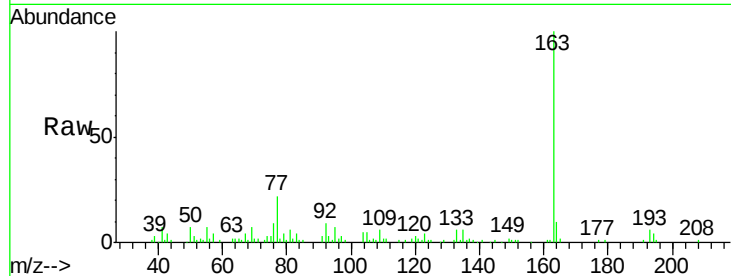




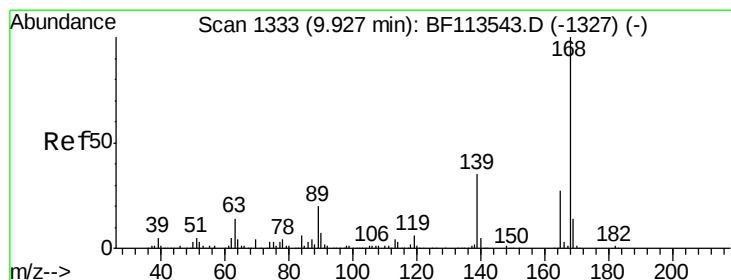
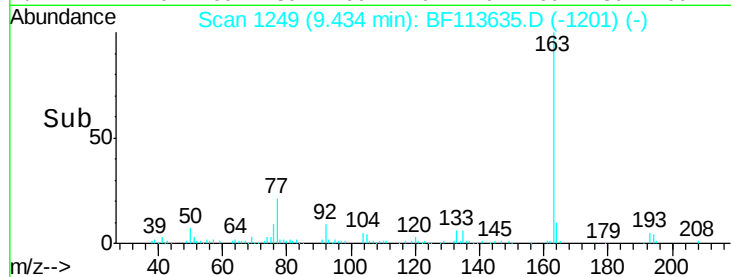
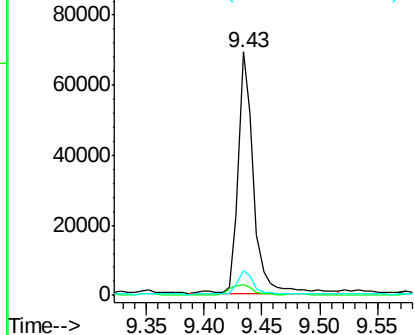
#50
Dimethylphthalate
Concen: 4.848 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 63954
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 10.2 8.1 12.1

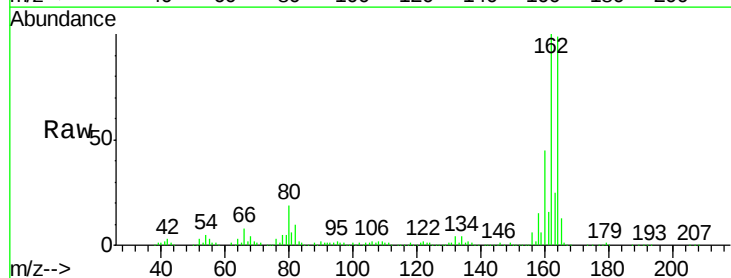


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

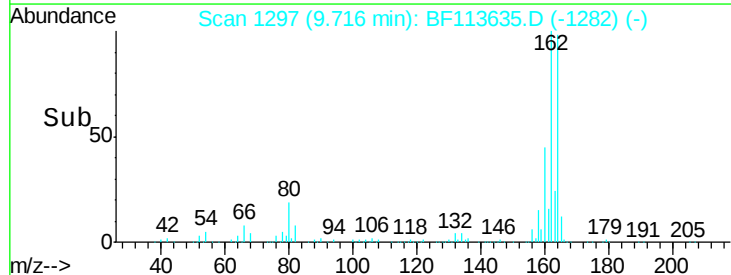
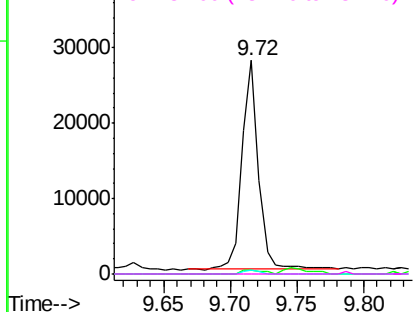


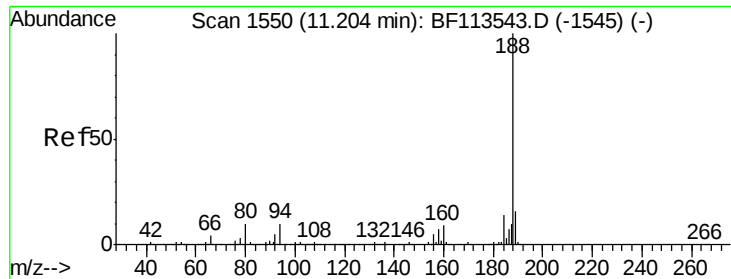
#57
2,4-Dinitrotoluene
Concen: 6.853 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.21 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Tgt Ion:165 Resp: 24100
Ion Ratio Lower Upper
165 100
63 1.8 37.5 56.3#
89 2.0 57.4 86.2#
182 0.0 2.0 3.0#



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

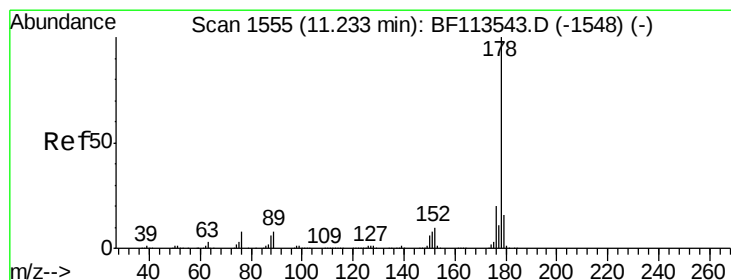
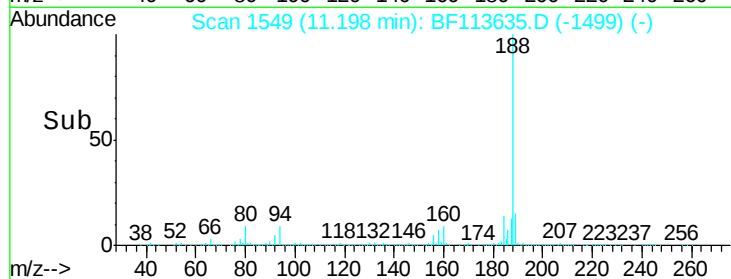
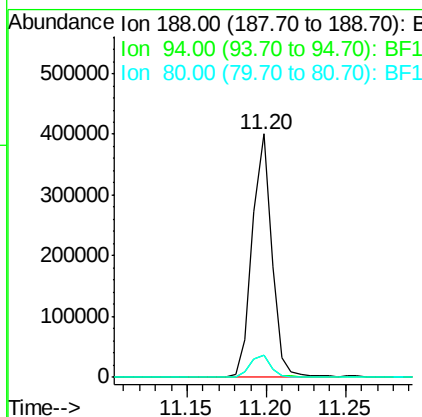
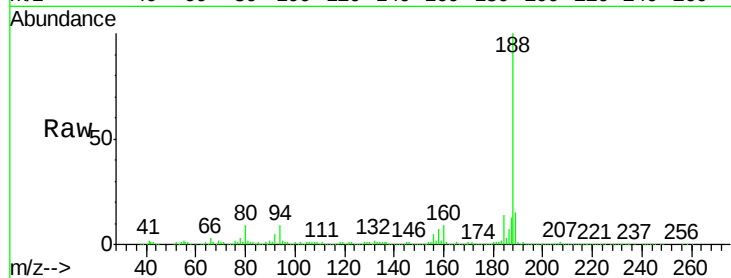




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

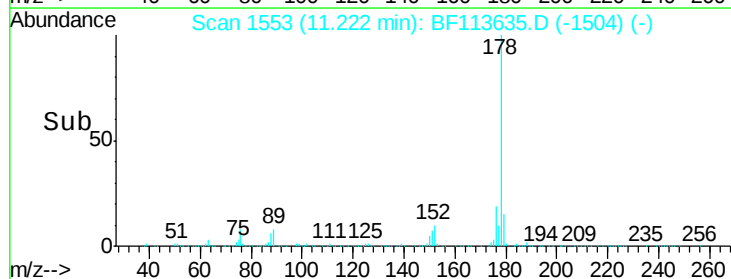
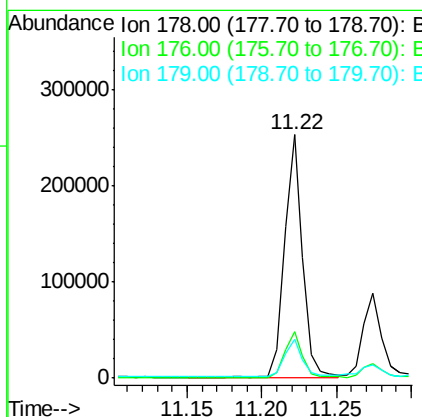
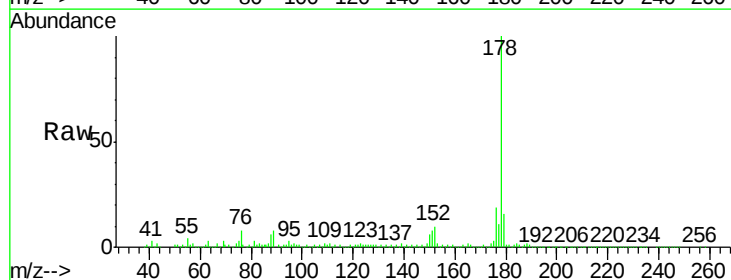
Instrument :
BNA_F
ClientSampleId :

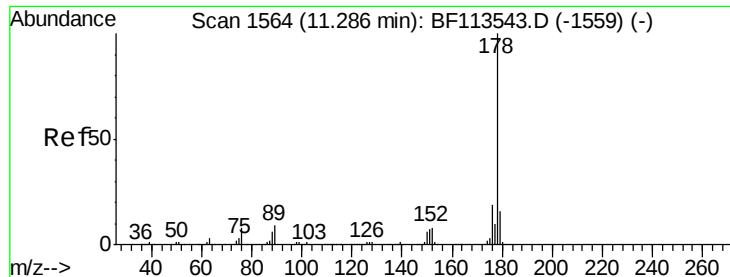
Tot Ion:188 Resp: 344779
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.1 7.7 11.5



#71
Phenanthrene
Concen: 12.478 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Tgt Ion:178 Resp: 213775
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.7 12.7 19.1





#72

Anthracene

Concen: 4.068 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

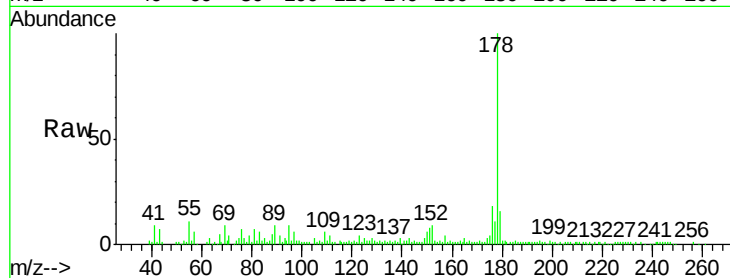
Tot Ion:178 Resp: 70914

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

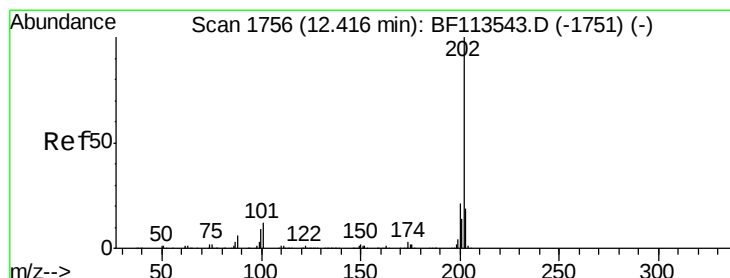
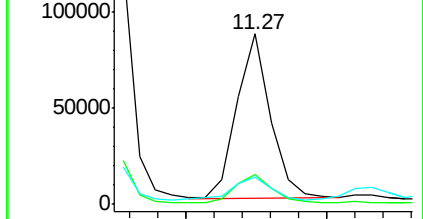
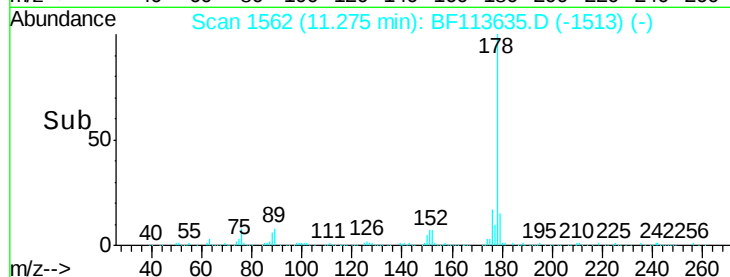
179 16.3 12.8 19.2



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



#75

Fluoranthene

Concen: 19.011 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

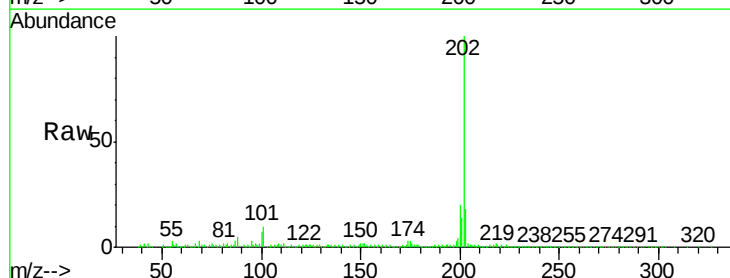
Tgt Ion:202 Resp: 349023

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

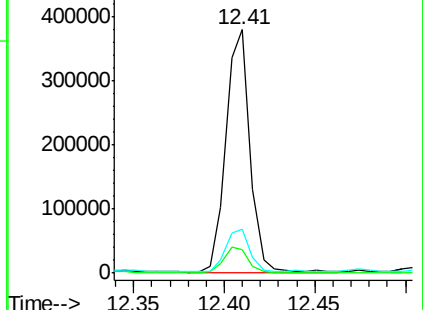
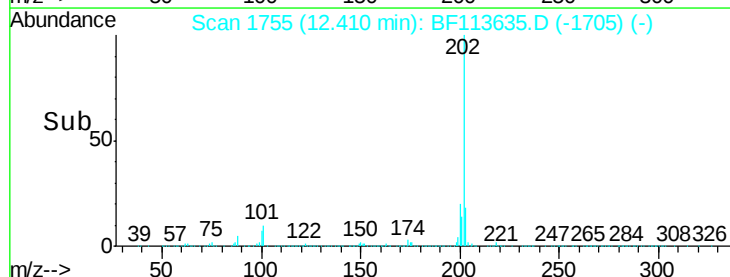
203 18.1 0.0 38.0

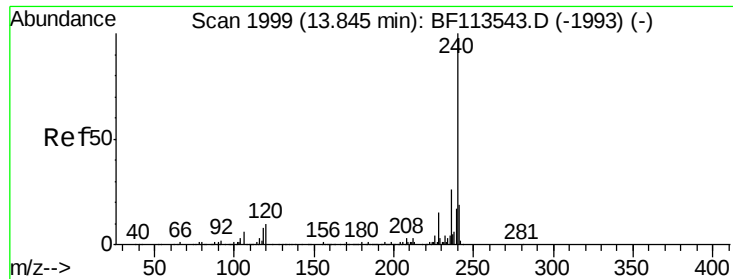


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

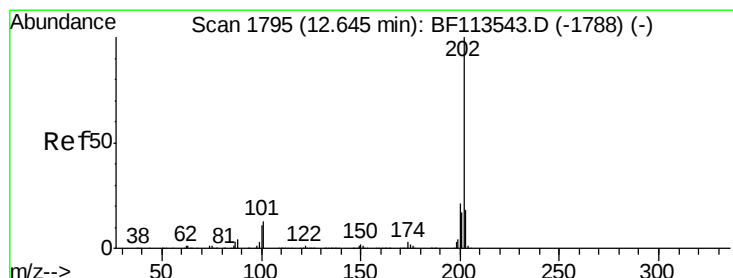
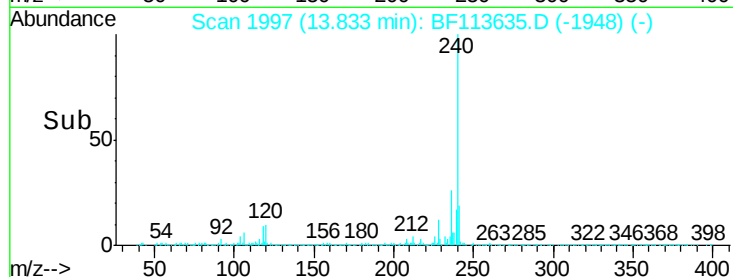
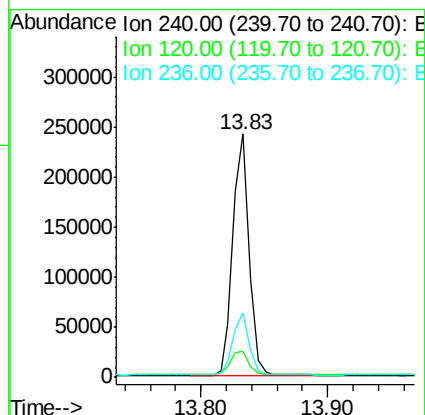
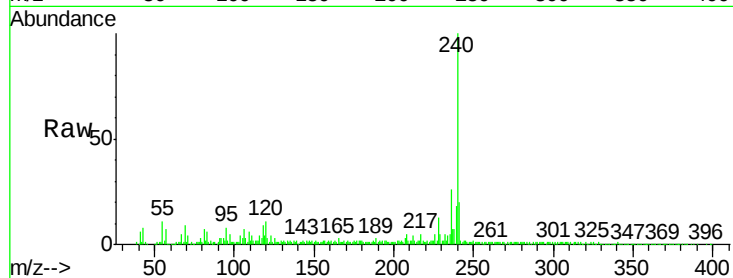




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

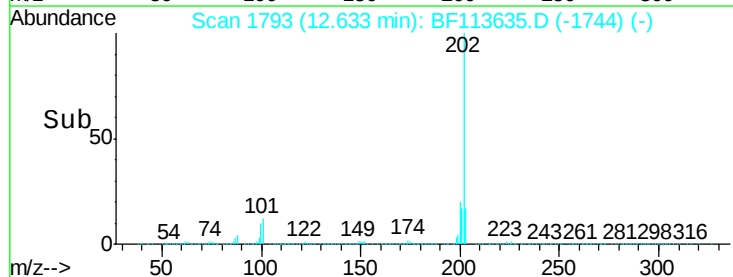
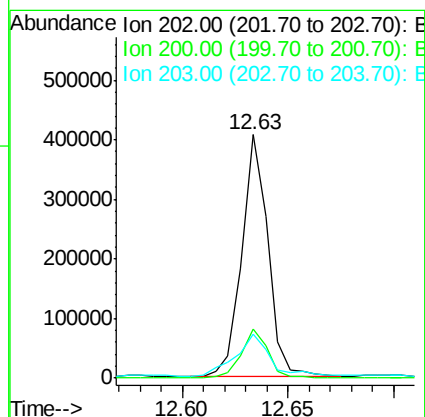
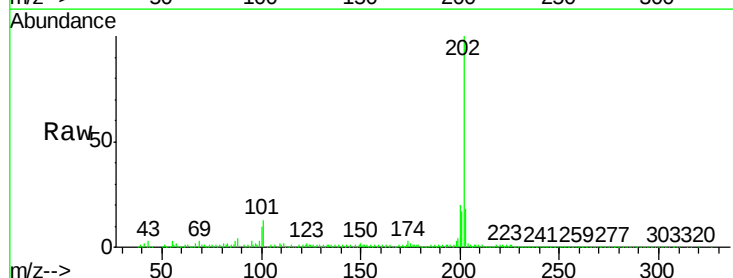
Instrument :
BNA_F
ClientSampleId :

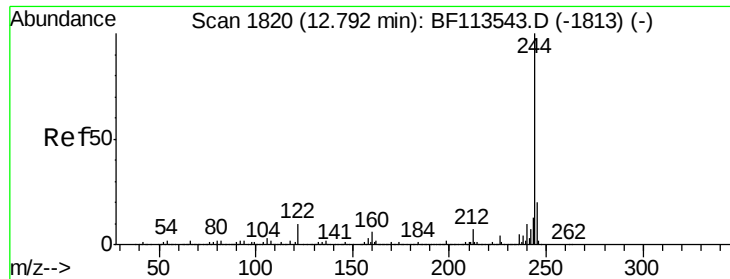
Tot Ion:240 Resp: 214306
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 26.4 20.9 31.3



#78
Pyrene
Concen: 21.509 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Tgt Ion:202 Resp: 350725
Ion Ratio Lower Upper
202 100
200 20.3 16.8 25.2
203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 79.769 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

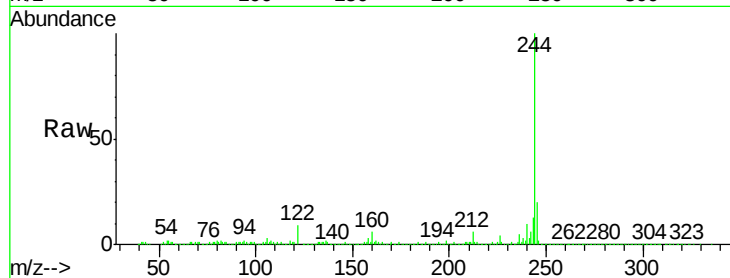
Tot Ion:244 Resp: 839628

Ion Ratio Lower Upper

244 100

212 6.3 5.5 8.3

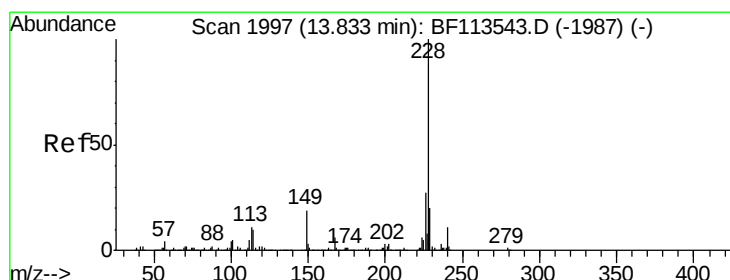
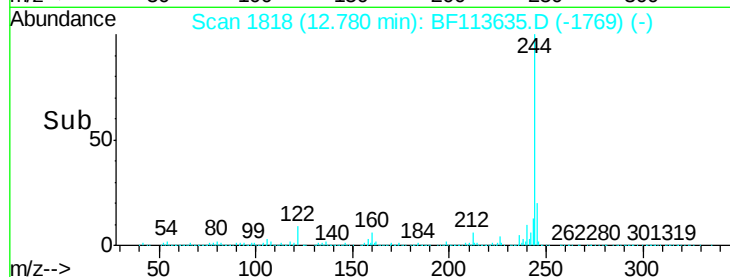
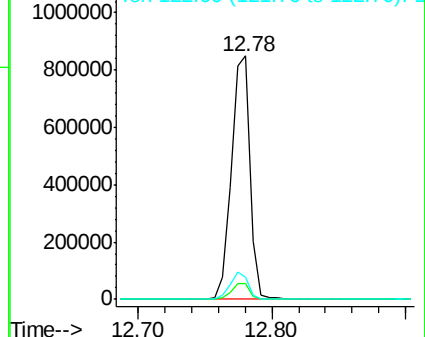
122 9.2 8.6 13.0



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



#81

Benzo(a)anthracene

Concen: 11.424 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

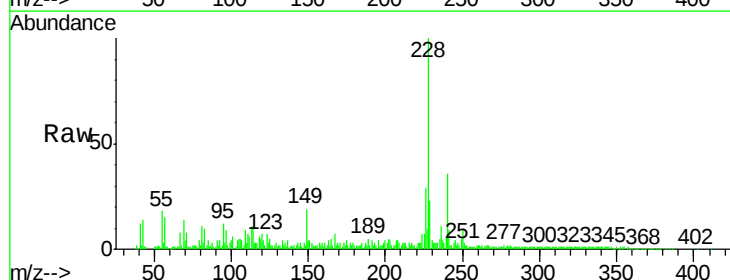
Tgt Ion:228 Resp: 141222

Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.8

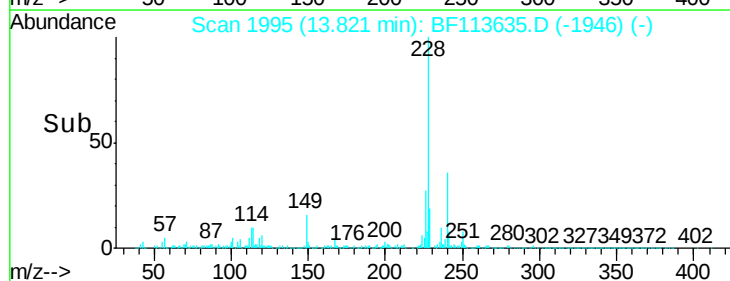
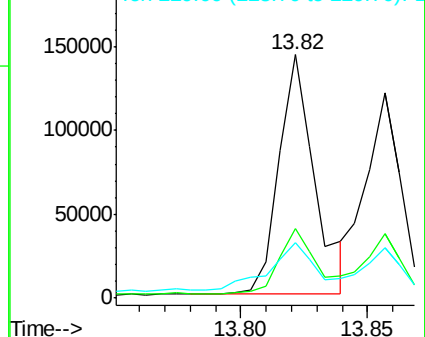
229 23.0 16.2 24.4

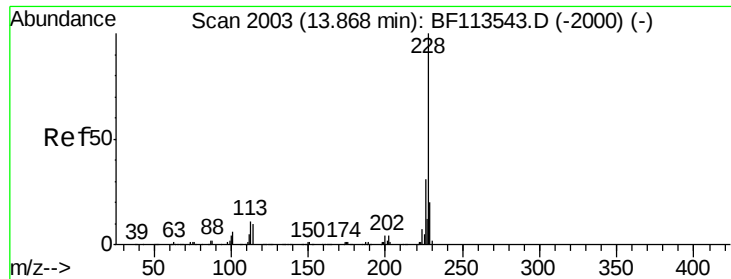


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.269 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.05 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

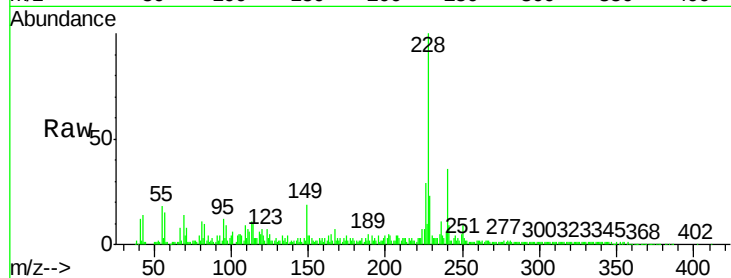
Tot Ion:228 Resp: 141222

Ion Ratio Lower Upper

228 100

226 28.7 24.3 36.5

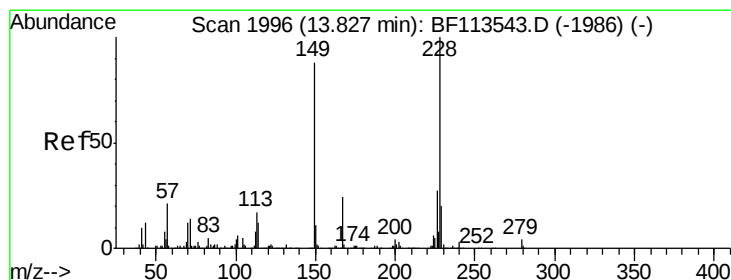
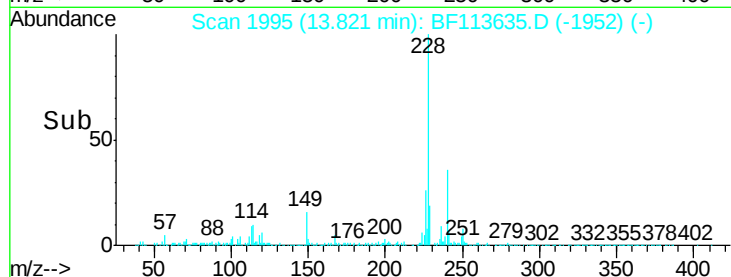
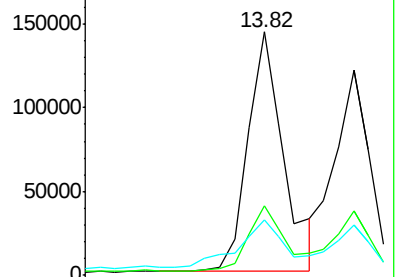
229 23.0 16.3 24.5



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: 22.722 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

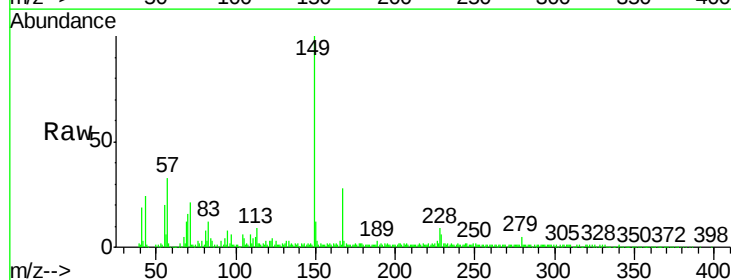
Tgt Ion:149 Resp: 182352

Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.8

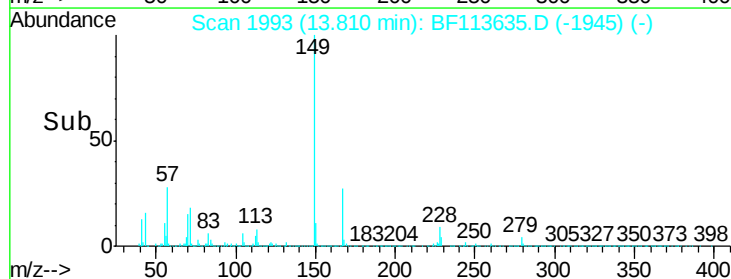
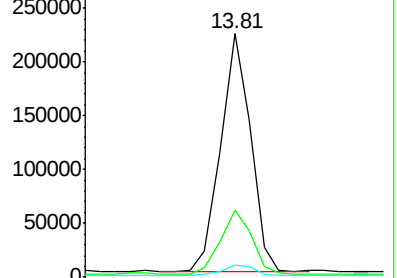
279 4.7 2.9 4.3#

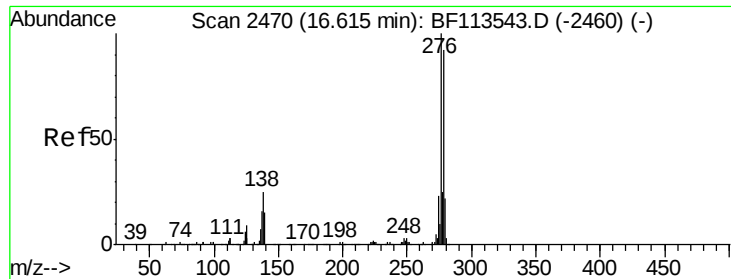


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.334 ng

RT: 16.62 min Scan# 2470

Delta R.T. 0.00 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

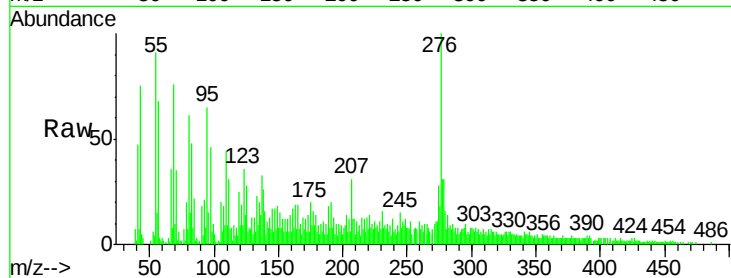
Tot Ion:276 Resp: 61717

Ion Ratio Lower Upper

276 100

138 18.4 18.1 27.1

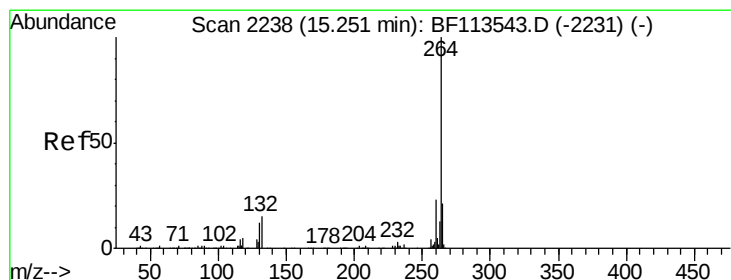
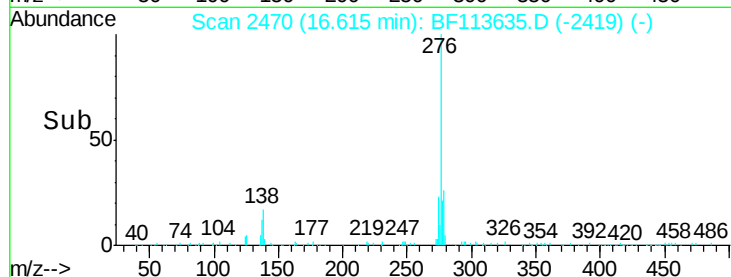
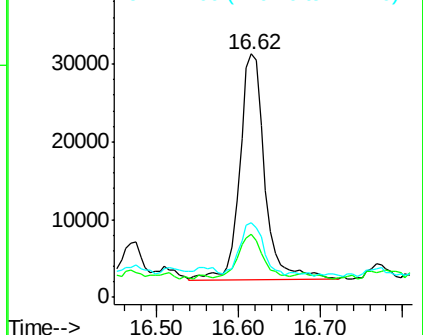
277 21.1 20.2 30.4



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: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

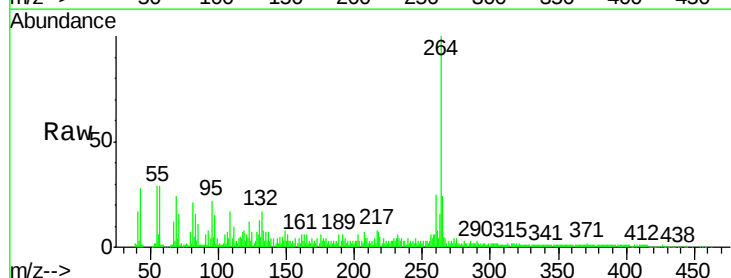
Tgt Ion:264 Resp: 160992

Ion Ratio Lower Upper

264 100

260 25.2 19.1 28.7

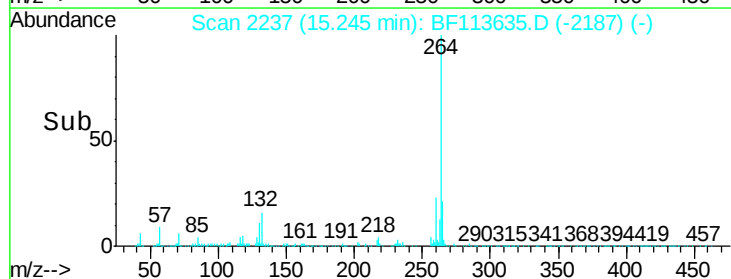
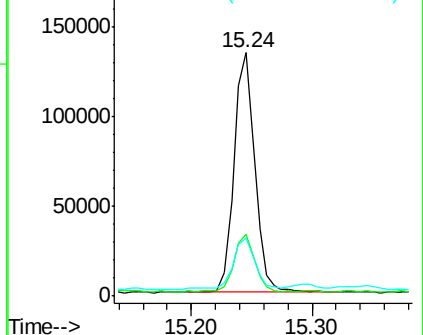
265 23.6 17.1 25.7

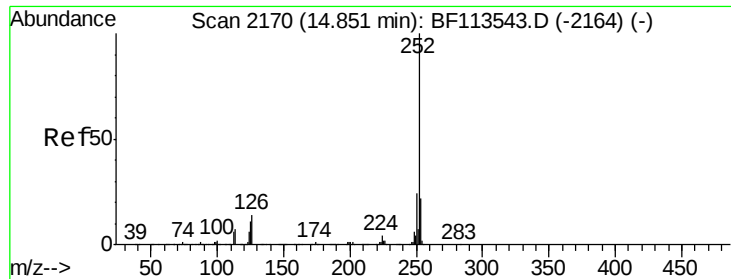


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

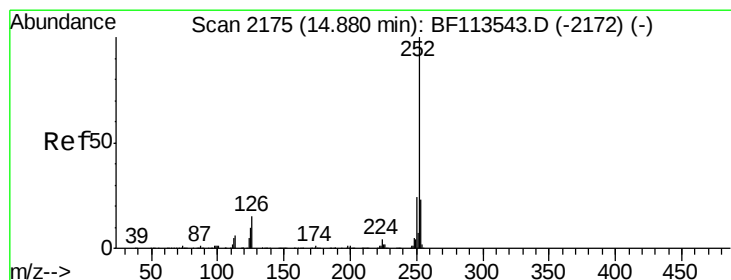
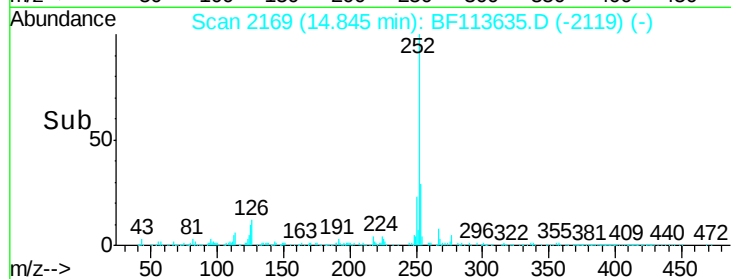
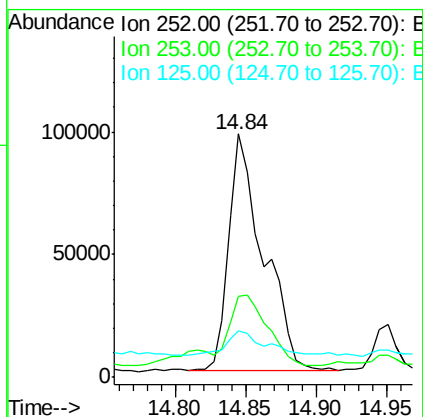
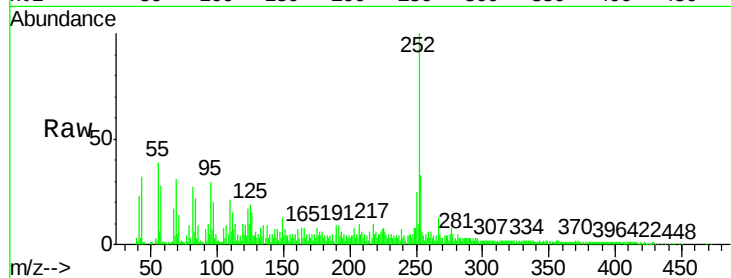




#88
Benzo(b)fluoranthene
Concen: 16.739 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

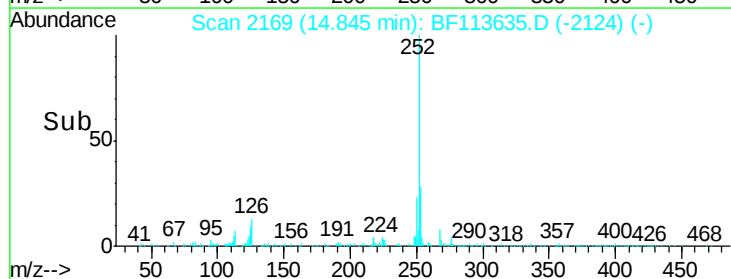
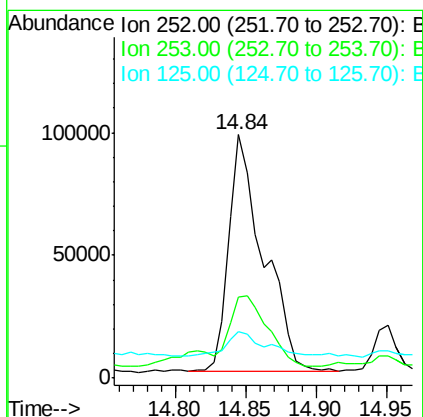
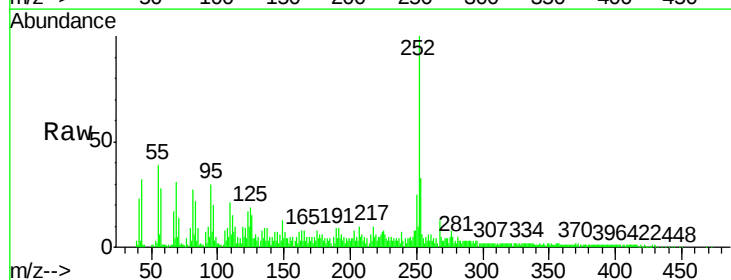
Instrument :
BNA_F
ClientSampleId :

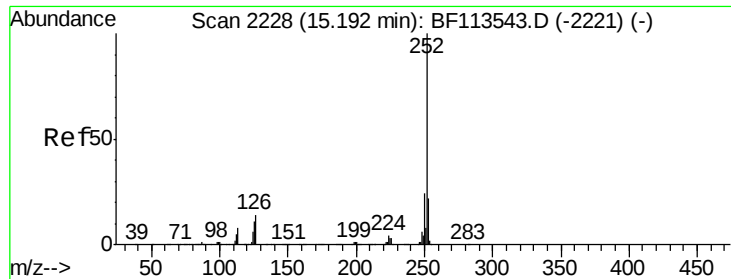
Tot Ion	Ratio	Lower	Upper
252	100		
253	33.5	18.0	27.0#
125	19.0	7.6	11.4#



#89
Benzo(k)fluoranthene
Concen: 18.651 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113635.D
Acq: 6 Apr 2019 00:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.7	26.5#
125	19.0	7.3	10.9#





#90

Benzo(a)pyrene

Concen: 10.906 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

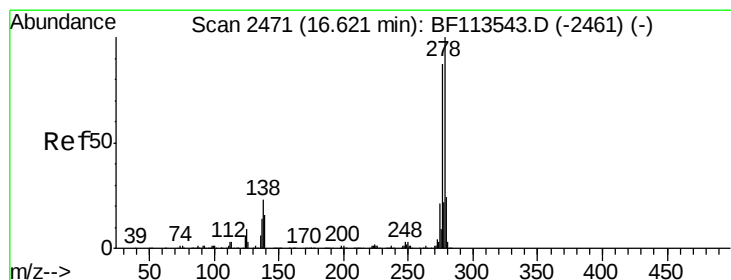
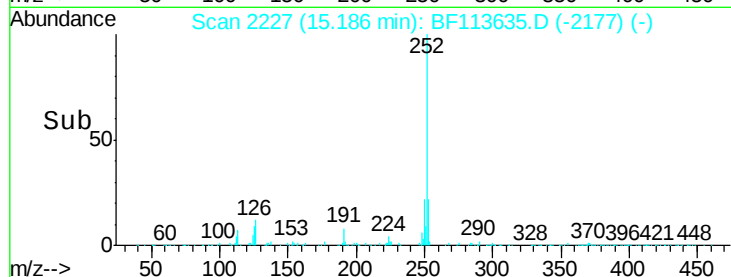
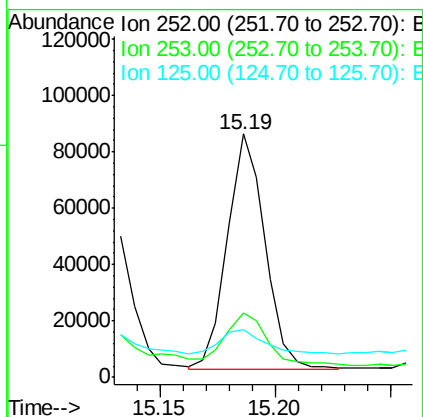
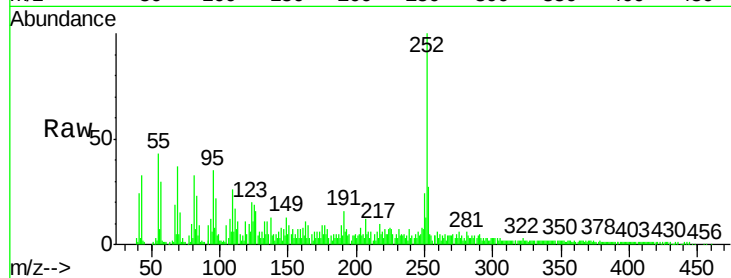
Tot Ion:252 Resp: 95505

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 19.4 8.8 13.2#



#91

Dibenzo(a,h)anthracene

Concen: 2.018 ng

RT: 16.61 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

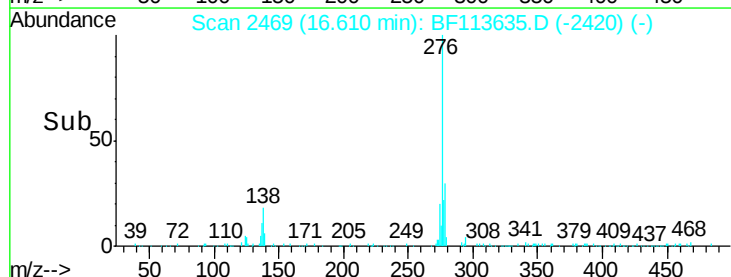
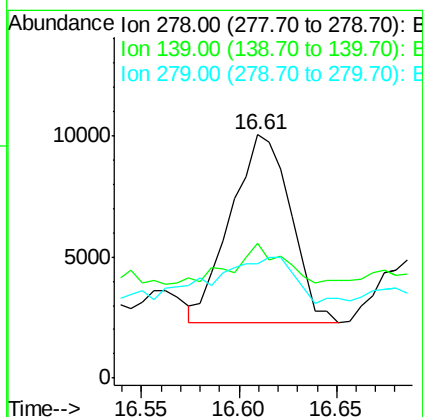
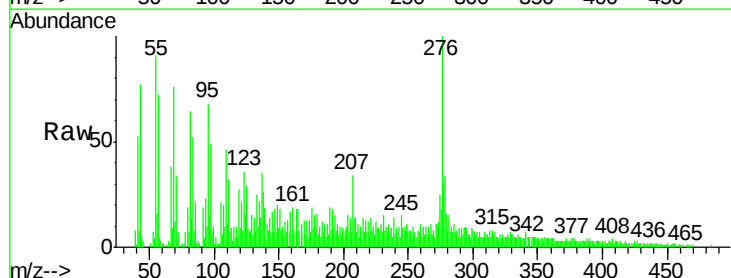
Tgt Ion:278 Resp: 16525

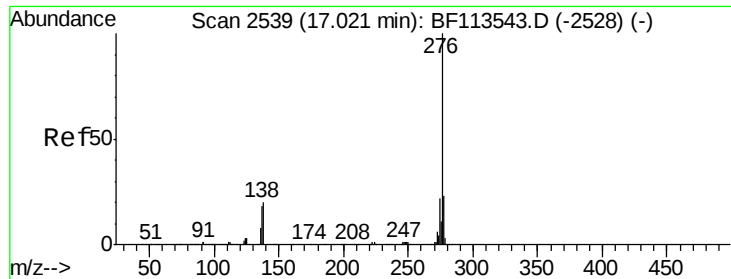
Ion Ratio Lower Upper

278 100

139 55.2 12.0 18.0#

279 46.8 19.0 28.6#





#92

Benzo(a,h,i)perylene

Concen: 7.188 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.01 min

Lab File: BF113635.D

Acq: 6 Apr 2019 00:41

Instrument :

BNA_F

ClientSampleId :

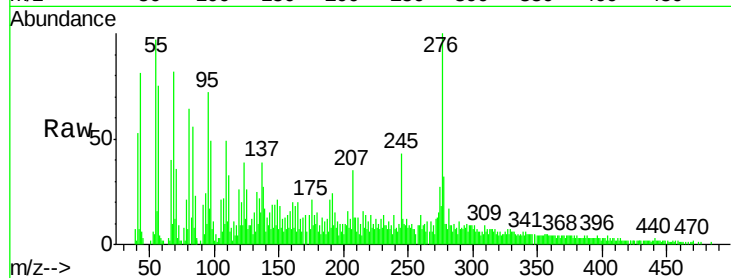
Tot Ion:276 Resp: 60078

Ion Ratio Lower Upper

276 100

277 31.9 18.8 28.2#

138 27.2 15.6 23.4#



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

