

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113834.D
 Acq On : 18 Apr 2019 23:25
 Operator : JU/SJ
 Sample : K2197-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:09:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	171862	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	568128	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	246810	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	482005	20.00	ng	0.00
76) Chrysene-d12	14.04	240	533214	20.00	ng	0.00
87) Perylene-d12	15.52	264	478093	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	793692	76.79	ng	0.00
7) Phenol-d6	6.52	99	963697	74.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	556512	59.65	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	232260	85.18	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	955265	59.03	ng	0.00
79) Terphenyl-d14	13.00	244	1230343	48.39	ng	0.00

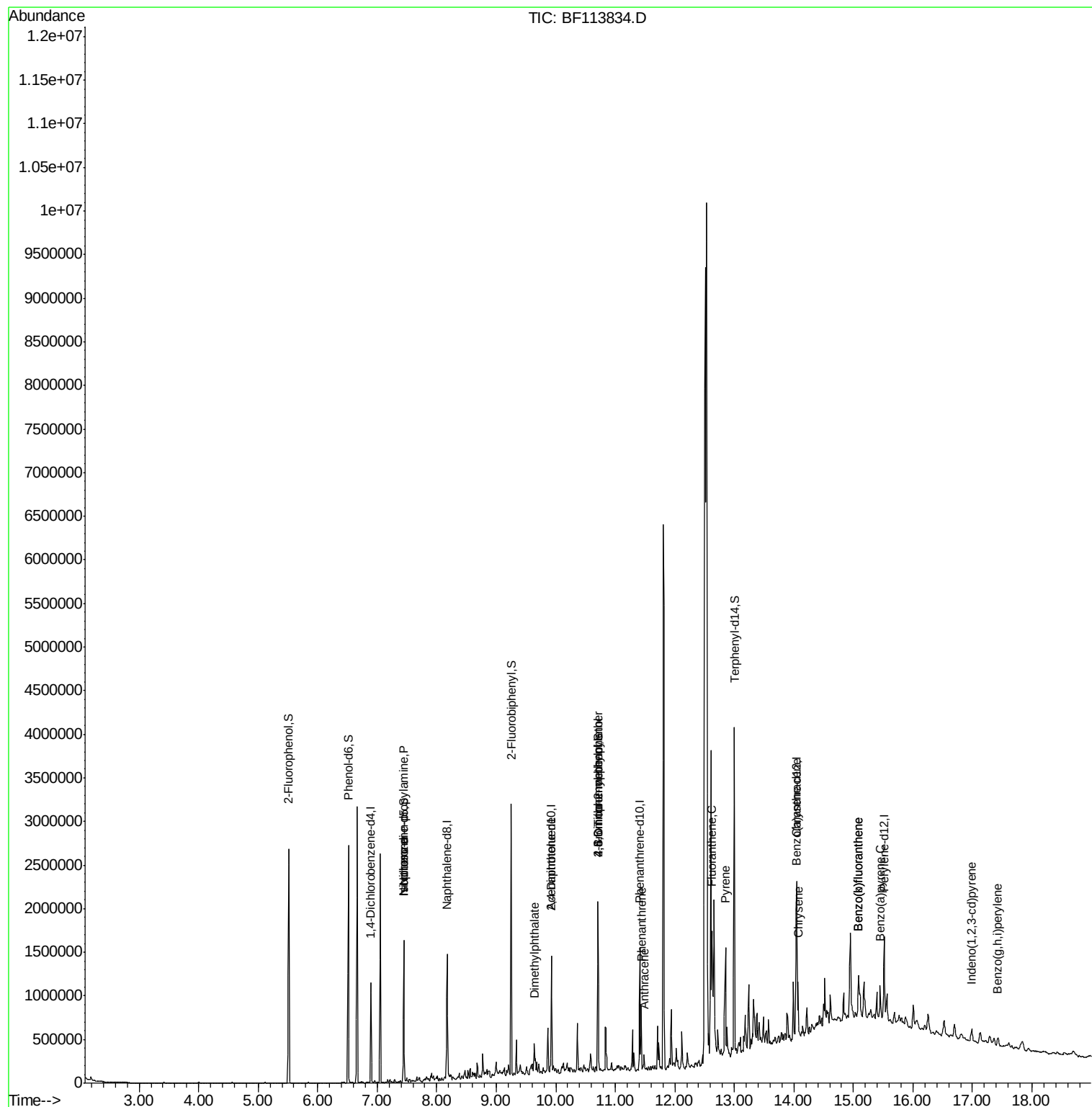
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	1773	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	76029	8.837	ng	# 78
25) Isophorone	7.45	82	554516	28.707	ng	# 65
50) Dimethylphthalate	9.64	163	113898	6.594	ng	# 99
57) 2,4-Dinitrotoluene	9.93	165	34450	7.285	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.71	198	482	7.134	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	14307	2.528	ng	# 1
71) Phenanthrene	11.43	178	246945	10.059	ng	# 98
72) Anthracene	11.49	178	71579	2.894	ng	# 98
75) Fluoranthene	12.62	202	511557	19.662	ng	# 98
78) Pyrene	12.85	202	476307	12.675	ng	# 99
81) Benzo(a)anthracene	14.03	228	284740	9.135	ng	# 95
83) Chrysene	14.07	228	254549	8.228	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.99	276	96995	3.840	ng	# 96
88) Benzo(b)fluoranthene	15.09	252	394273	13.229	ng	# 93
89) Benzo(k)fluoranthene	15.09	252	394273	14.524	ng	# 94
90) Benzo(a)pyrene	15.45	252	194041	7.363	ng	# 95
92) Benzo(g,h,i)perylene	17.43	276	88523	3.714	ng	# 95

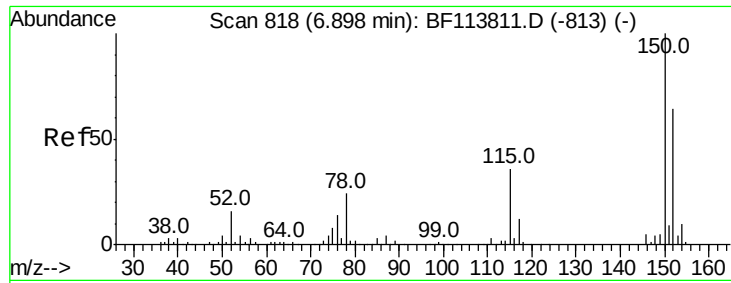
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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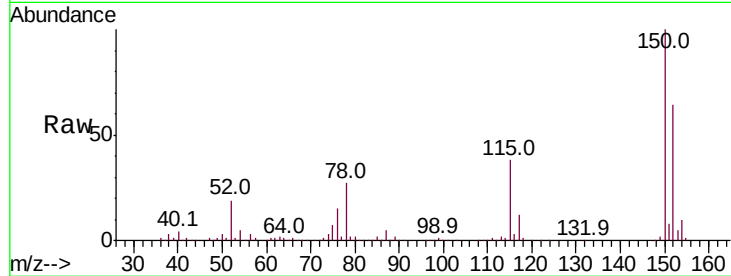


#1

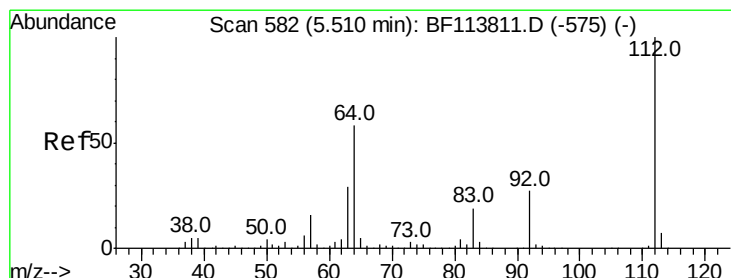
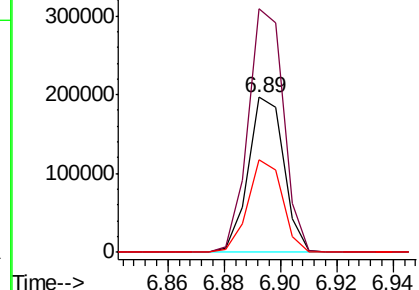
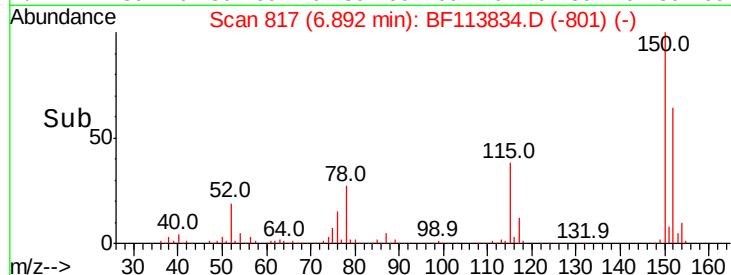
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171862
Ion Ratio Lower Upper
152 100
150 157.2 125.9 188.9
115 60.0 45.9 68.9



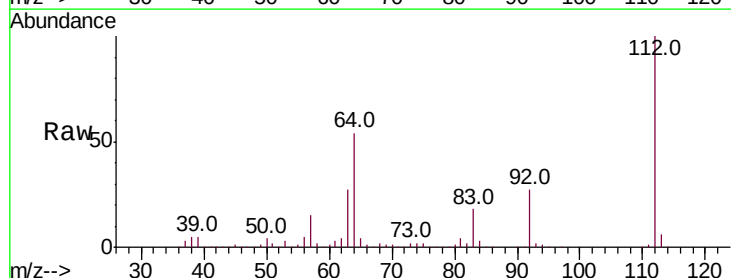
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



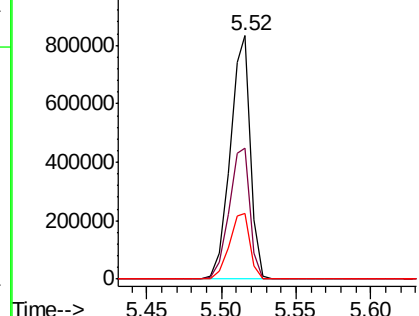
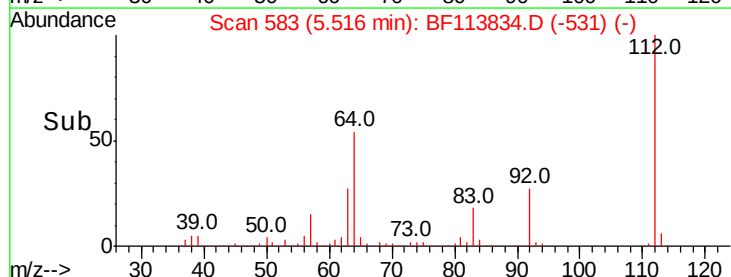
#5

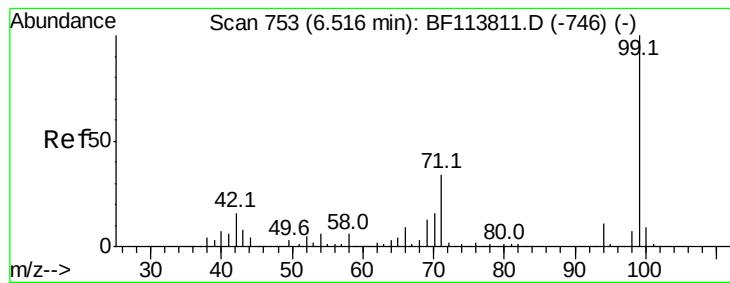
2-Fluorophenol
Concen: 76.790 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Tgt Ion:112 Resp: 793692
Ion Ratio Lower Upper
112 100
64 53.9 46.6 69.8
63 27.1 23.1 34.7



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: 74.766 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampled :

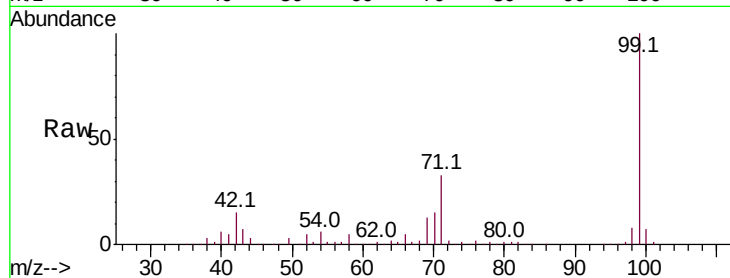
Tot Ion: 99 Resp: 963697

Ion Ratio Lower Upper

99 100

42 14.6 12.5 18.7

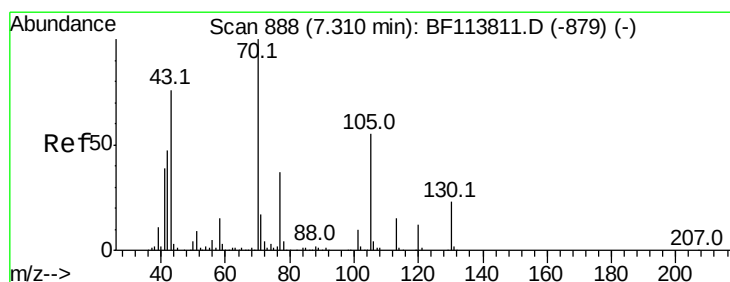
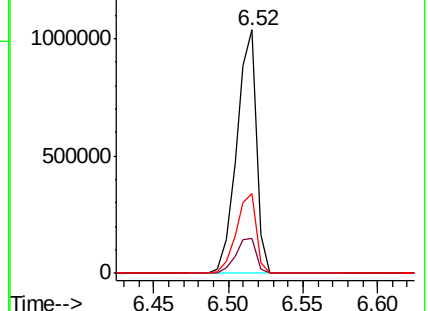
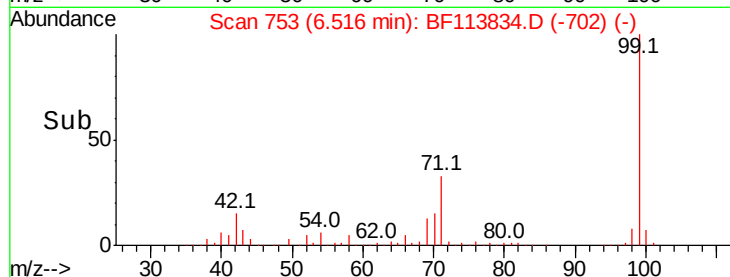
71 32.8 26.9 40.3



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: 8.837 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Tgt Ion: 70 Resp: 76029

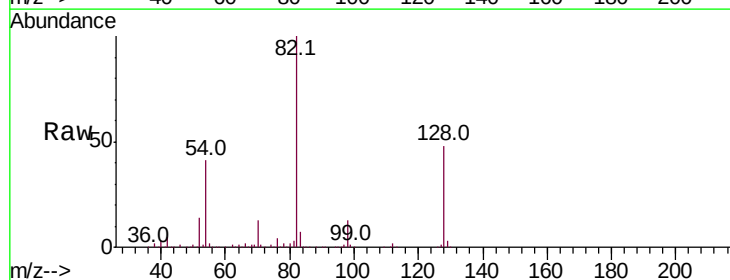
Ion Ratio Lower Upper

70 100

42 38.8 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

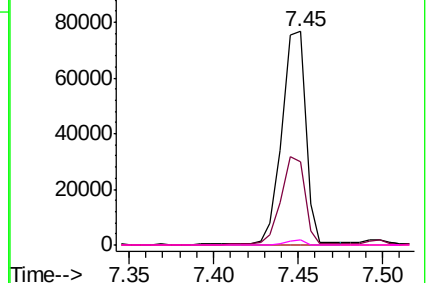
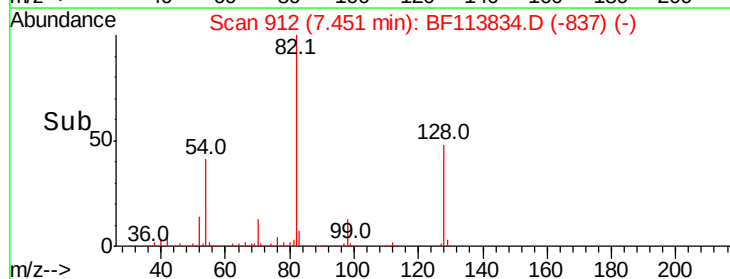


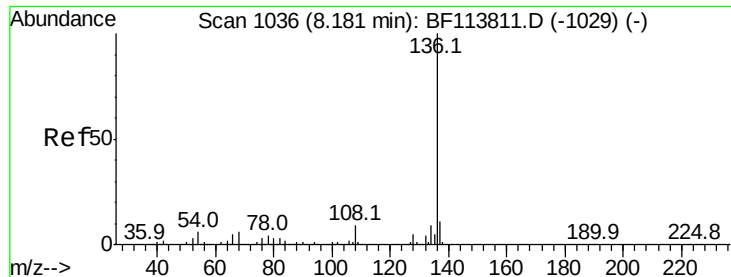
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 568128

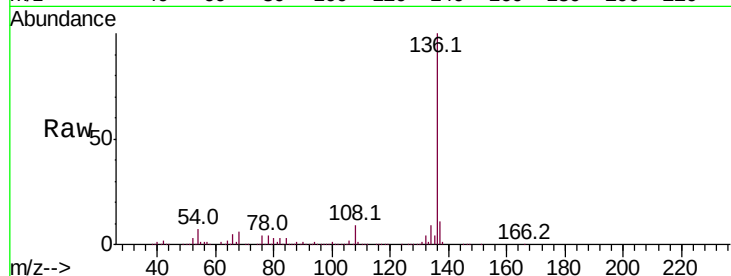
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.8 5.0 7.6

68 6.5 4.9 7.3

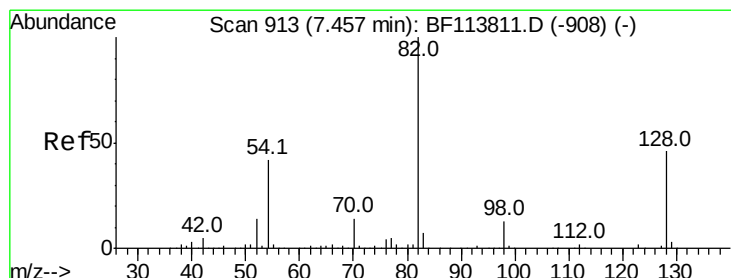
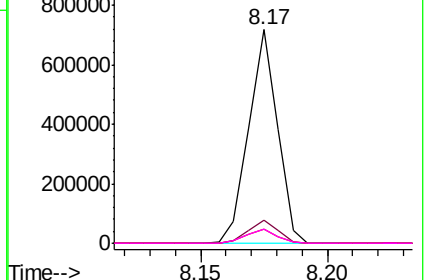
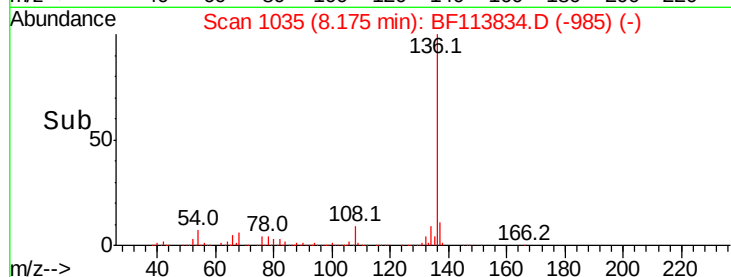


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 59.651 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

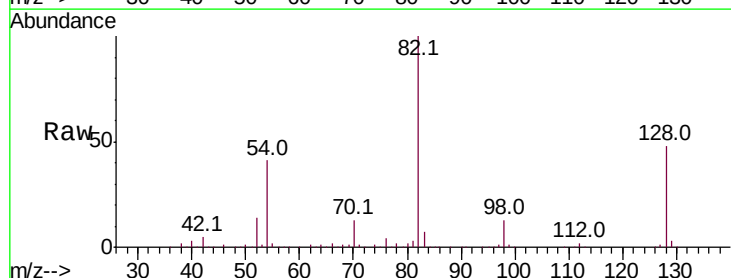
Tgt Ion: 82 Resp: 556512

Ion Ratio Lower Upper

82 100

128 47.7 36.8 55.2

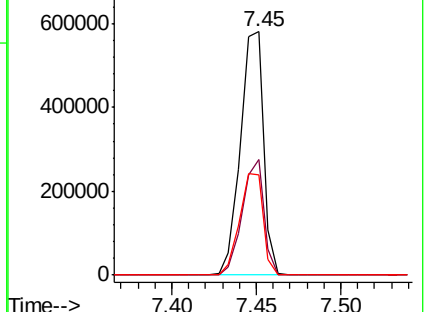
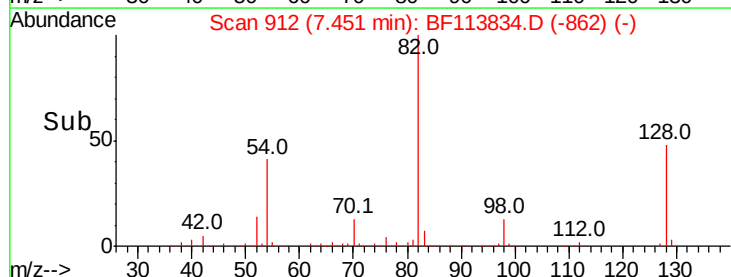
54 41.3 33.8 50.6

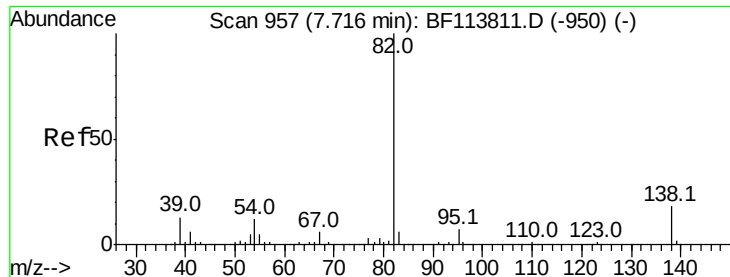


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.707 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampleId :

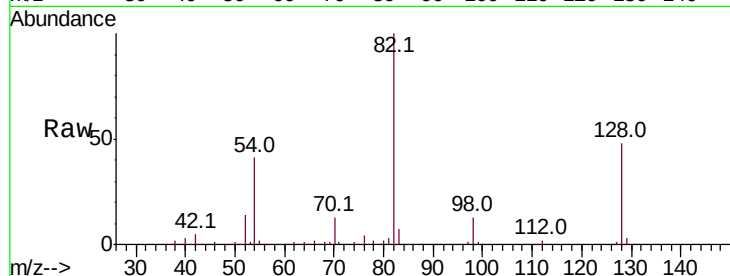
Tot Ion: 82 Resp: 554516

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

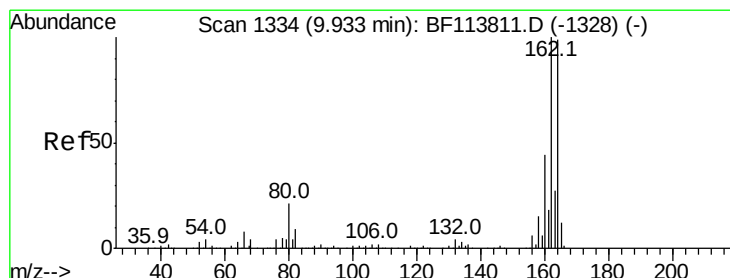
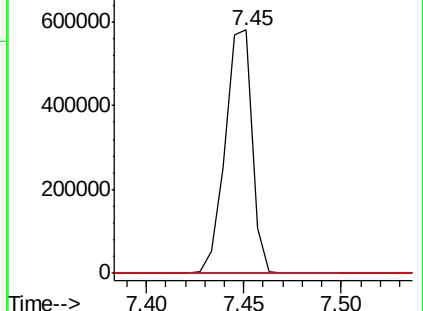
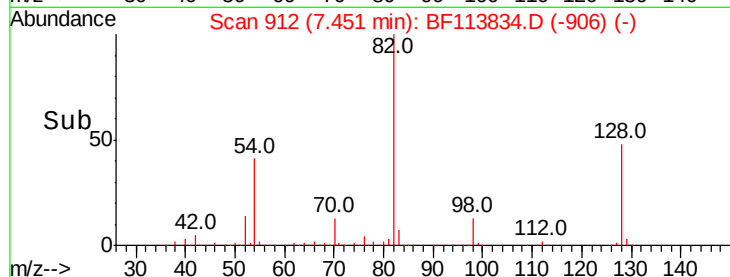
138 0.0 14.6 22.0#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

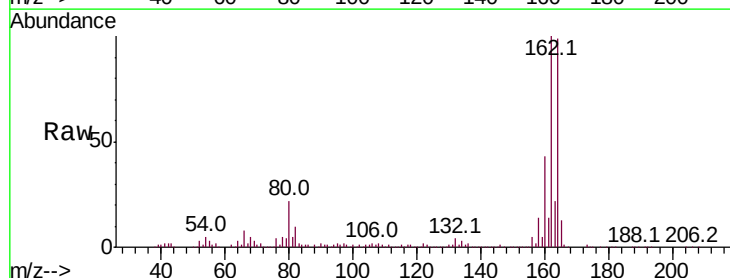
Tgt Ion:164 Resp: 246810

Ion Ratio Lower Upper

164 100

162 101.5 81.1 121.7

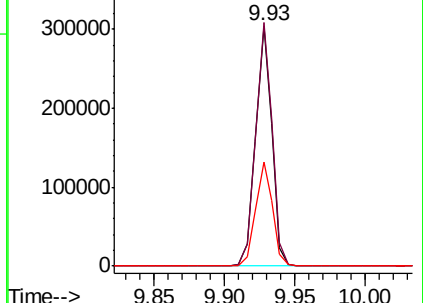
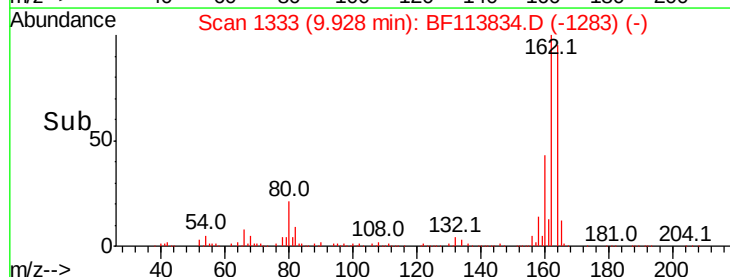
160 43.3 35.8 53.6

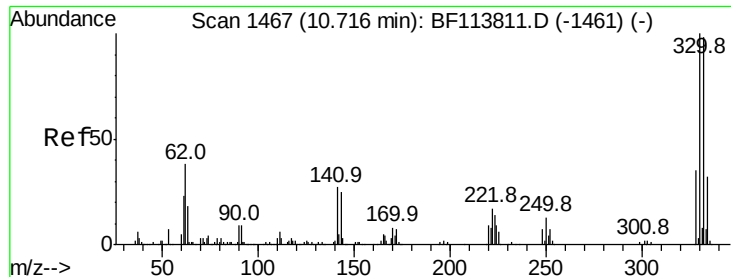


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 85.177 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampleId :

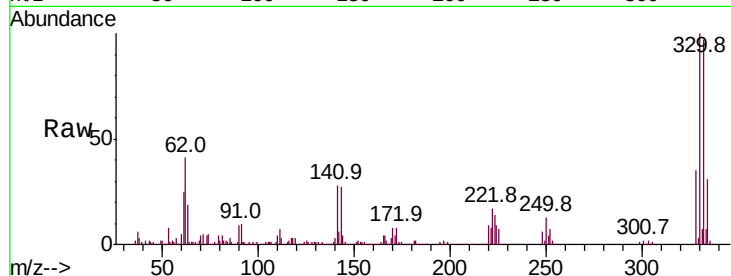
Tot Ion:330 Resp: 232260

Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

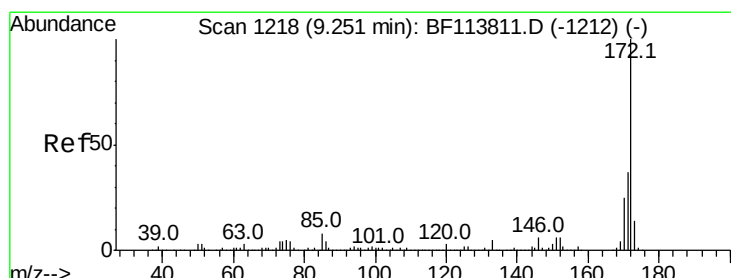
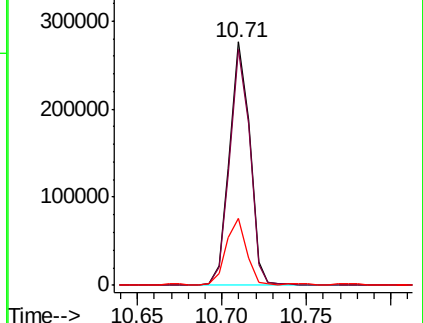
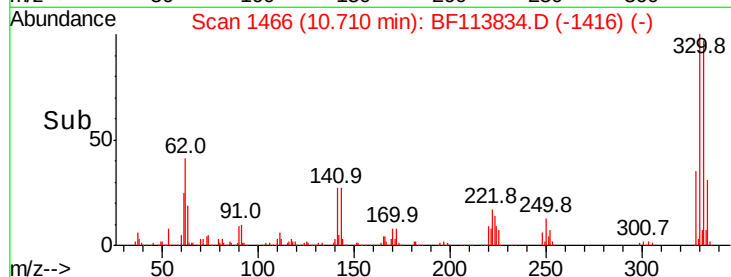
141 26.9 22.2 33.2



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: 59.026 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

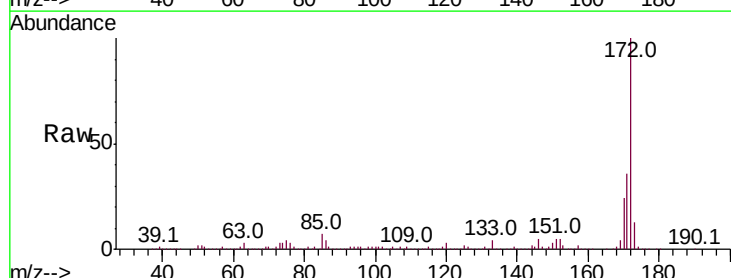
Tgt Ion:172 Resp: 955265

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

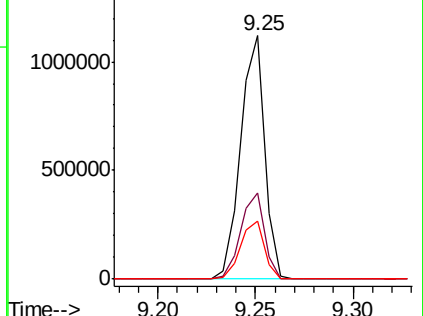
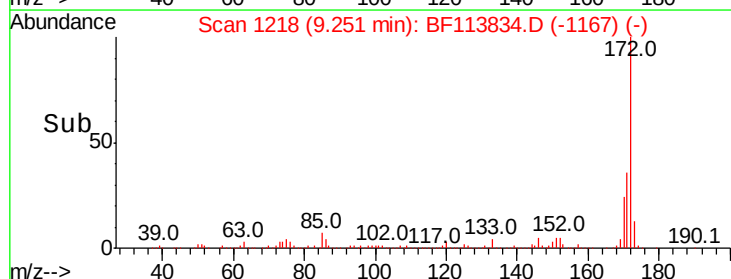
170 23.8 19.9 29.9

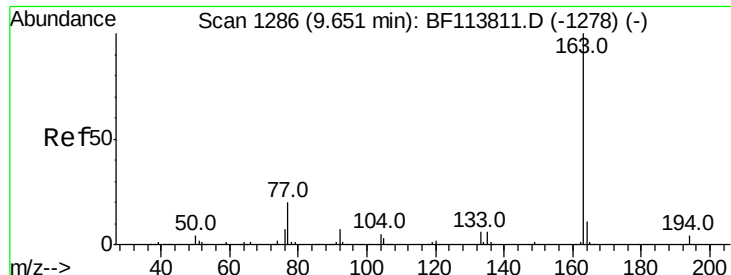


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.594 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113834.D

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ClientSampleId :

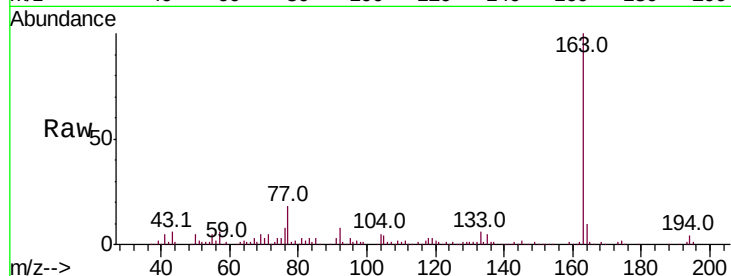
Tot Ion:163 Resp: 113898

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

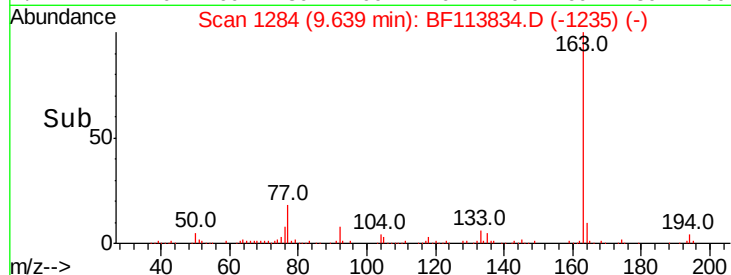
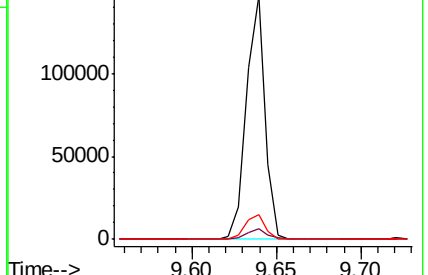
164 9.9 8.5 12.7



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: 7.285 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Tgt Ion:165 Resp: 34450

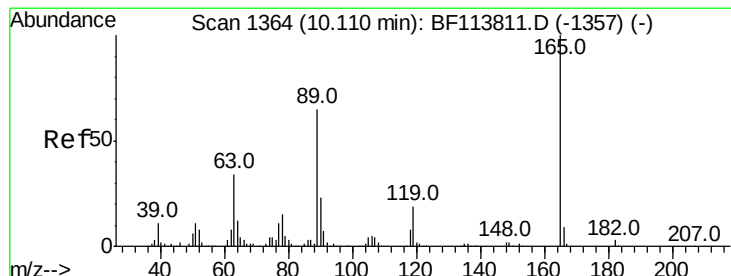
Ion Ratio Lower Upper

165 100

63 1.5 27.4 41.0#

89 1.9 51.8 77.6#

182 1.8 2.2 3.2#

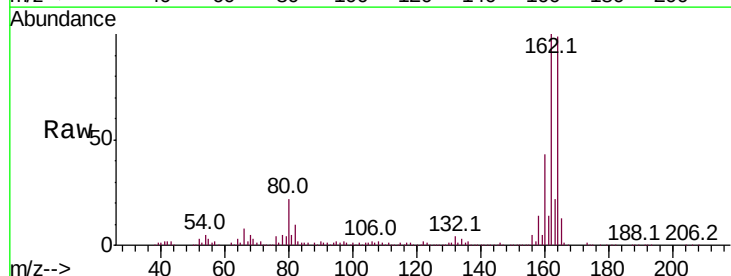
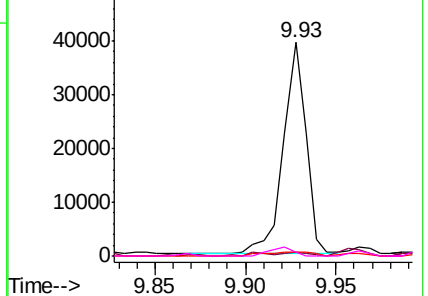


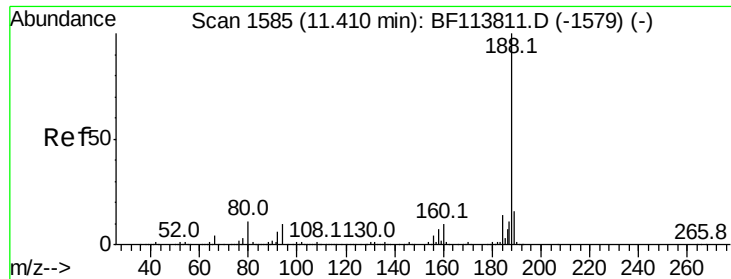
Abundance Ion 165.00 (164.70 to 165.70): E

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

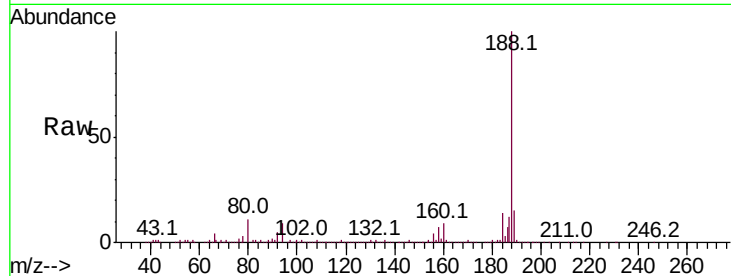




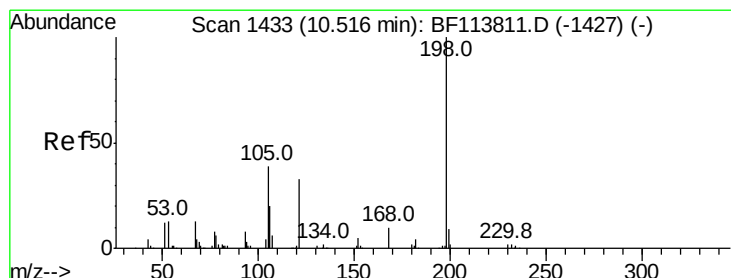
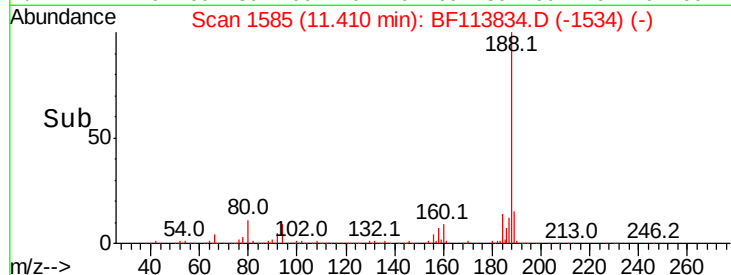
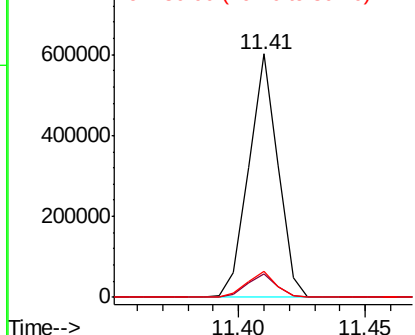
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 482005
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.4
80 10.6 9.0 13.6

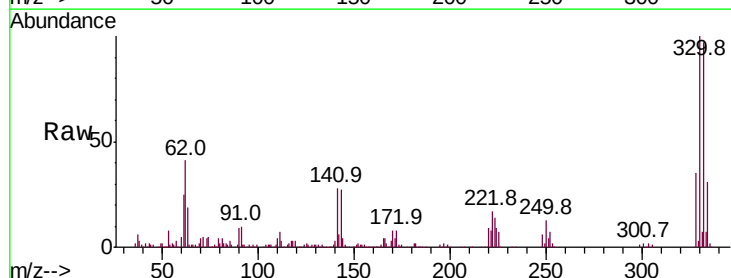


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

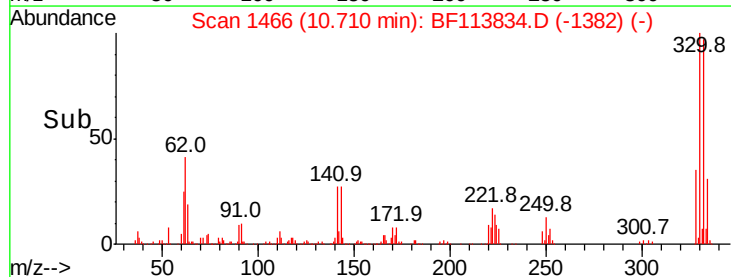
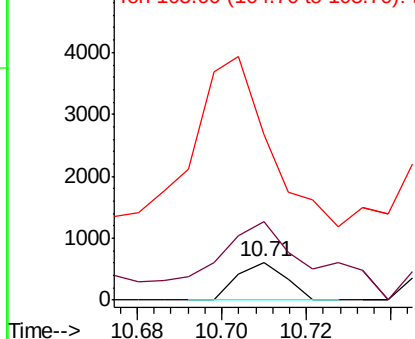


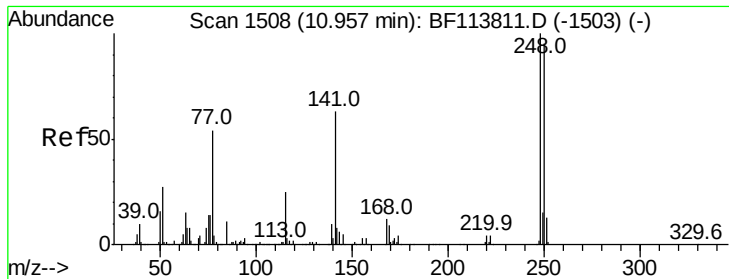
#65
4,6-Dinitro-2-methylphenol
Concen: 7.134 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Tgt Ion:198 Resp: 482
Ion Ratio Lower Upper
198 100
51 207.6 11.1 51.1#
105 438.9 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

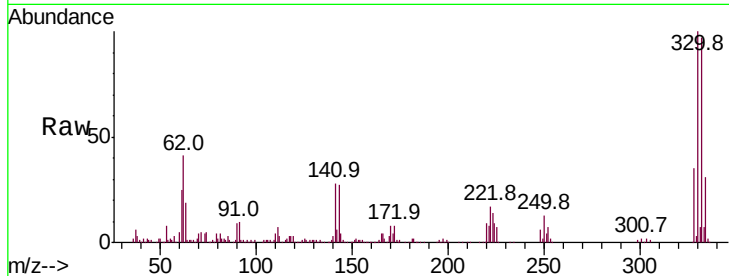




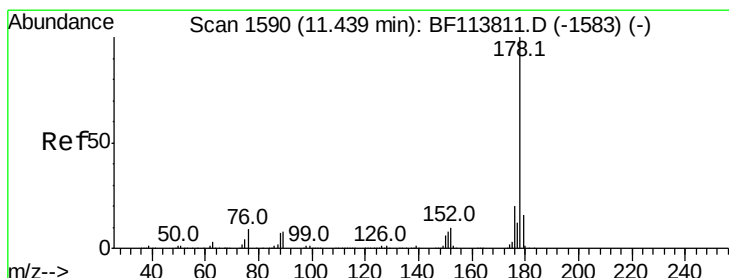
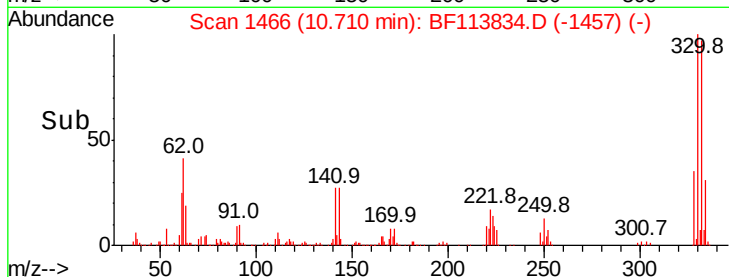
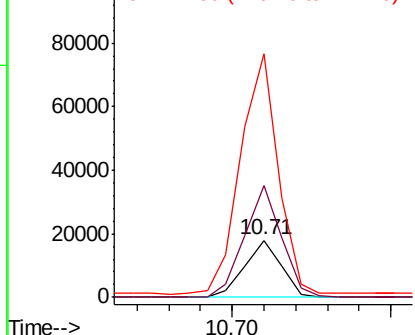
#67
 4-Bromophenyl-phenylether
 Concen: 2.528 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF113834.D
 Acq: 18 Apr 2019 23:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14307
 Ion Ratio Lower Upper
 248 100
 250 197.4 75.8 113.6#
 141 427.5 50.2 75.4#

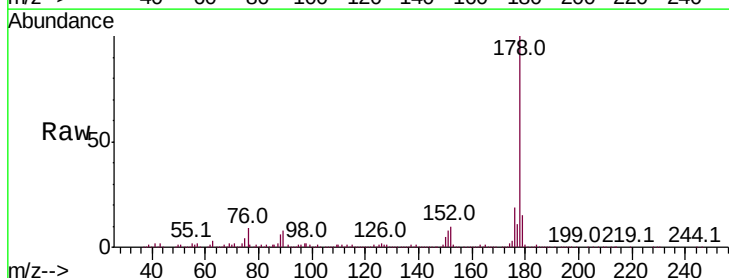


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

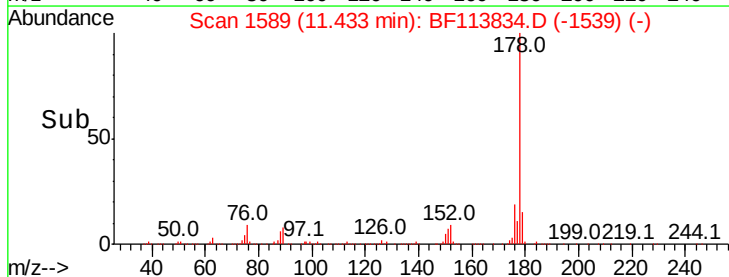
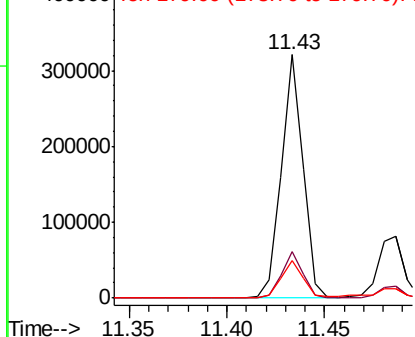


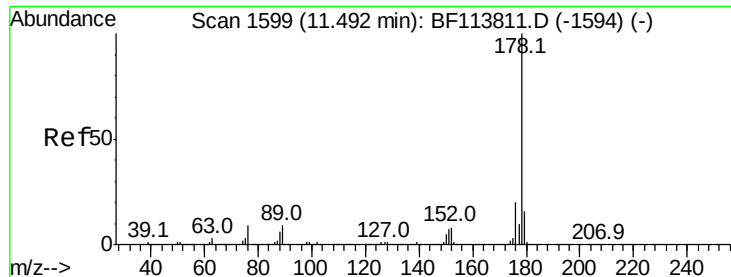
#71
 Phenanthrene
 Concen: 10.059 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113834.D
 Acq: 18 Apr 2019 23:25

Tgt Ion:178 Resp: 246945
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.1 24.1
 179 15.4 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





#72

Anthracene

Concen: 2.894 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampleId :

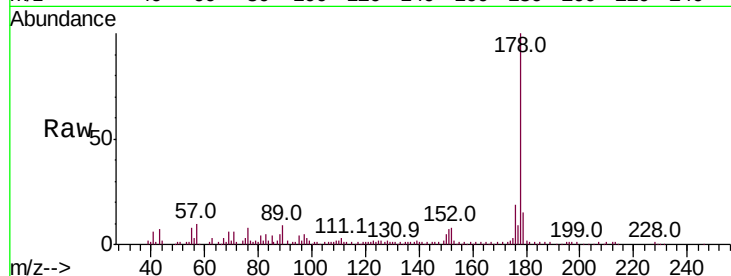
Tot Ion:178 Resp: 71579

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

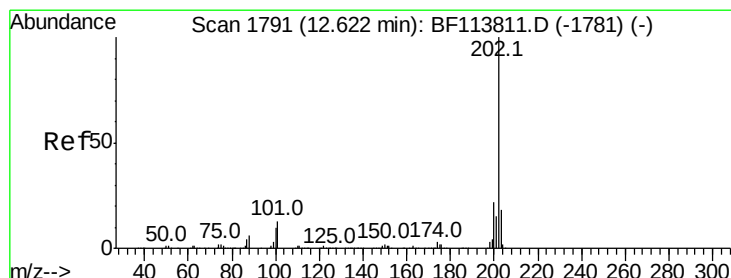
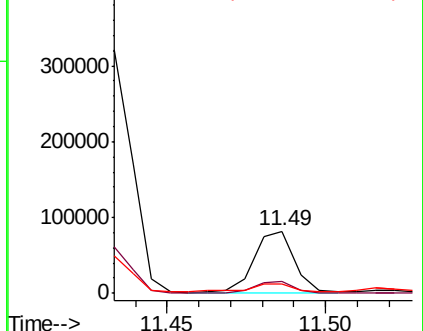
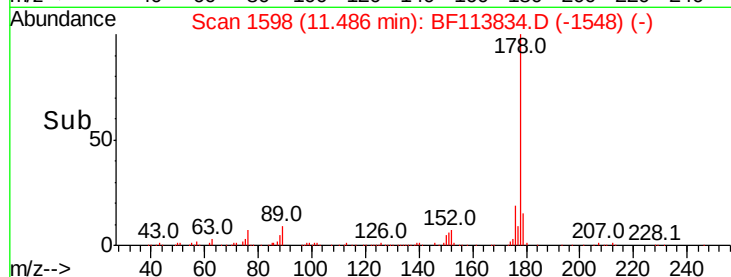
179 15.3 13.0 19.4



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: 19.662 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

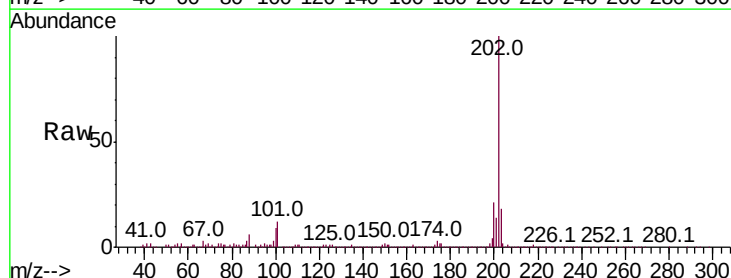
Tgt Ion:202 Resp: 511557

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.9

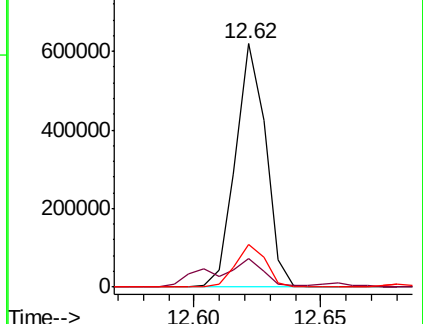
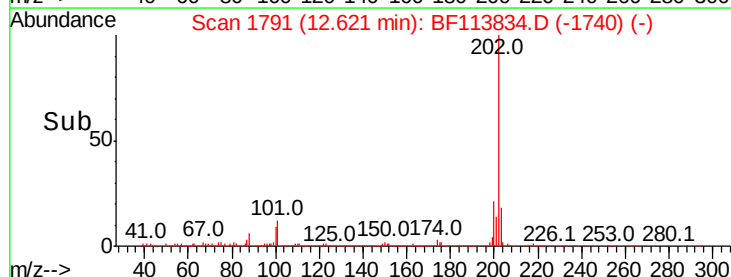
203 17.7 0.0 38.2

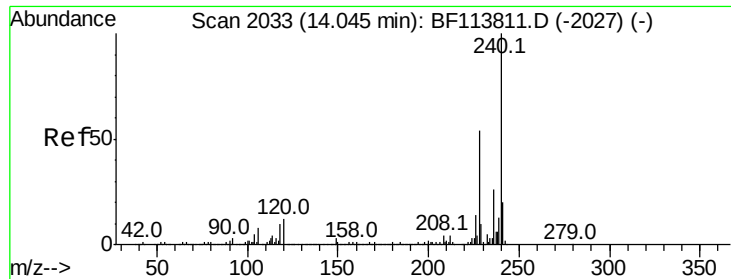


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

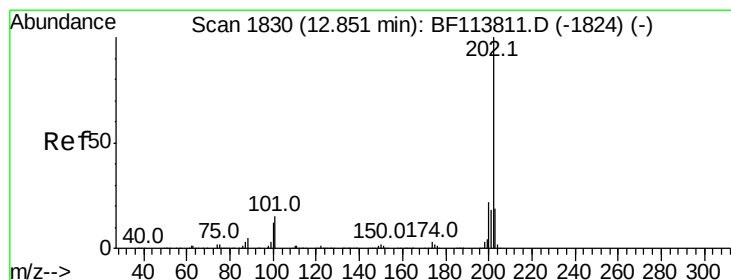
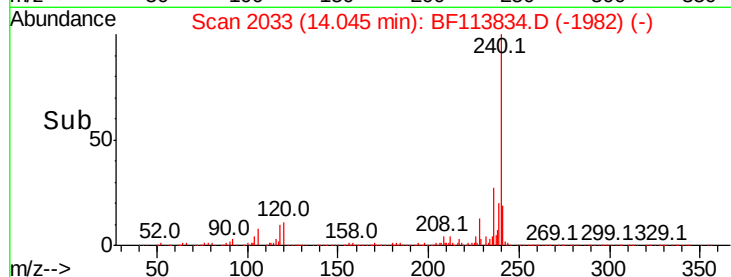
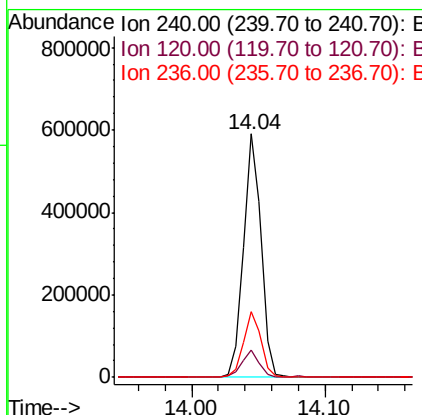
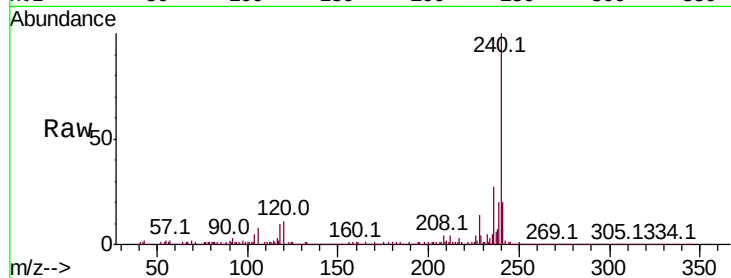




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

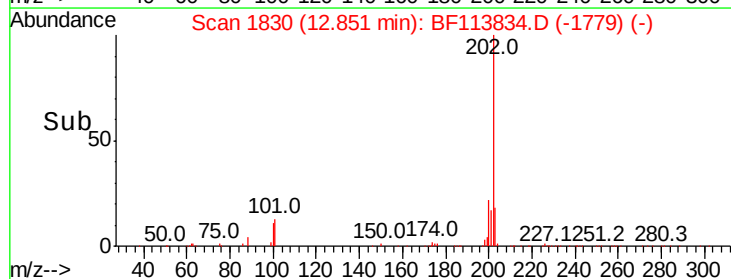
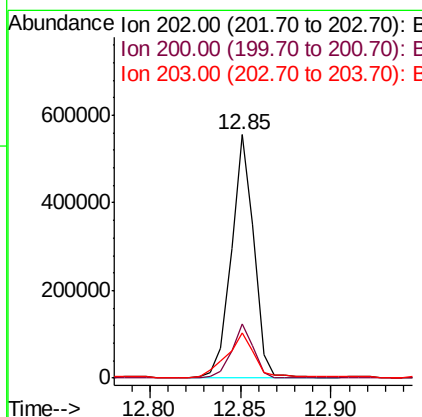
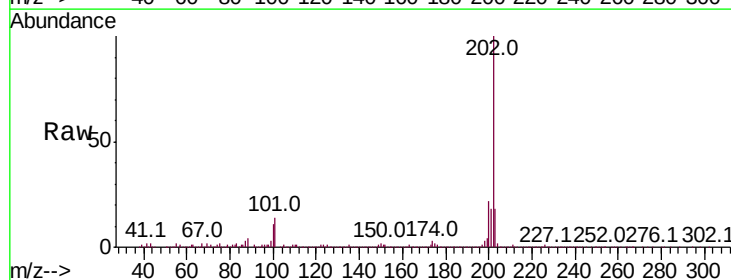
Instrument :
BNA_F
ClientSampleId :

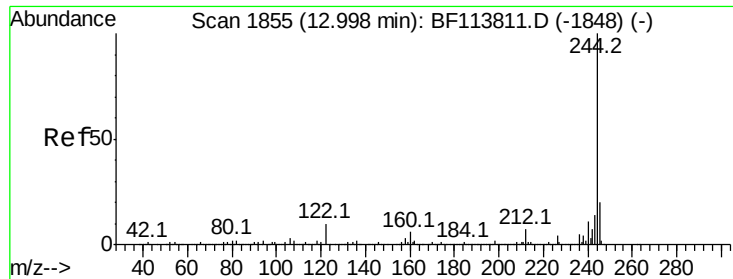
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.3	13.9
236	27.2	21.2	31.8



#78
Pyrene
Concen: 12.675 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	18.3	15.0	22.6





#79

Terphenyl-d14

Concen: 48.385 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampleId :

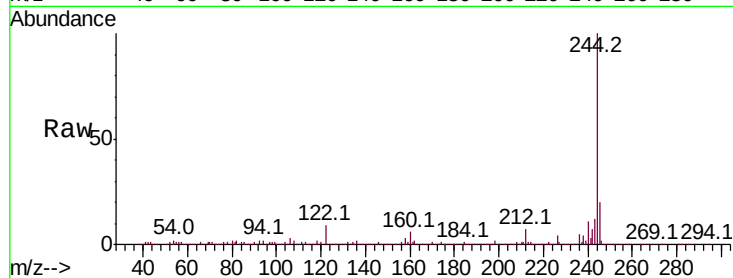
Tot Ion:244 Resp: 1230343

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

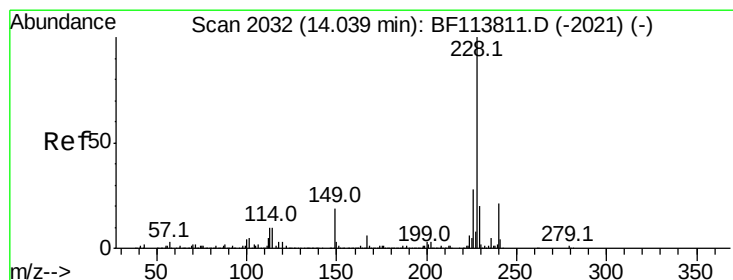
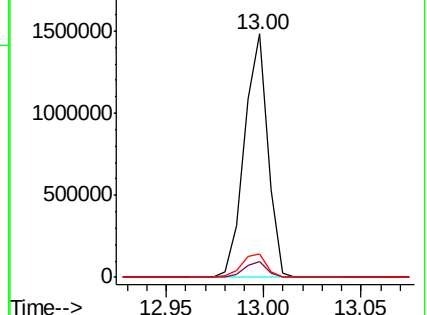
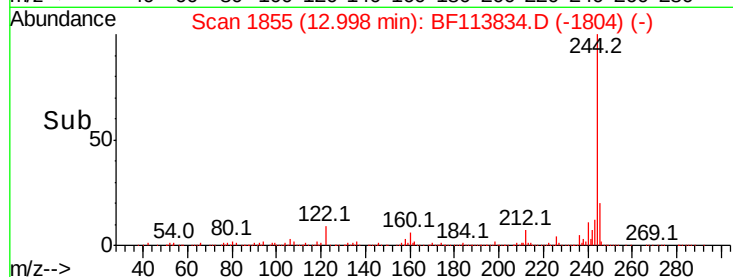
122 9.4 7.6 11.4



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: 9.135 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

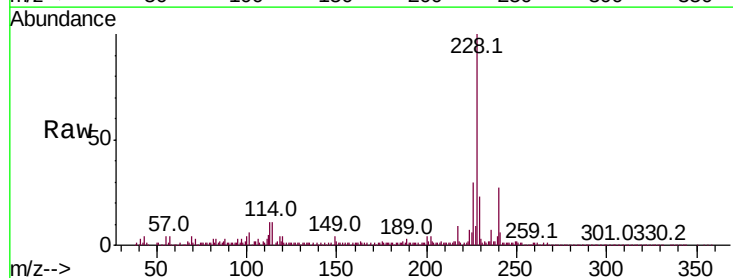
Tgt Ion:228 Resp: 284740

Ion Ratio Lower Upper

228 100

226 29.9 22.2 33.2

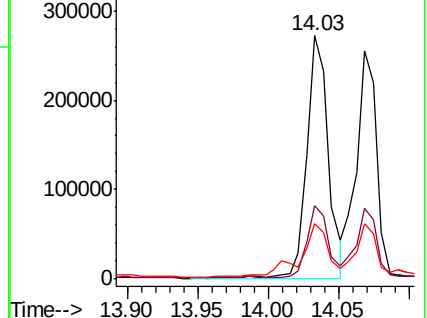
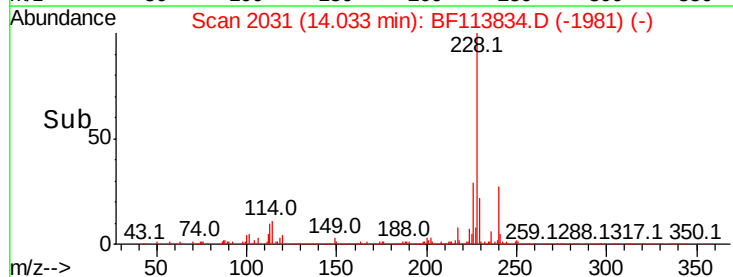
229 22.5 16.0 24.0

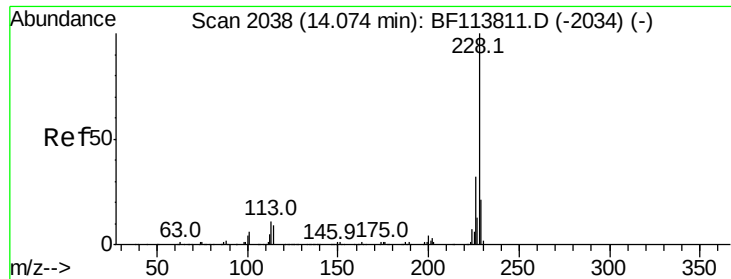


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

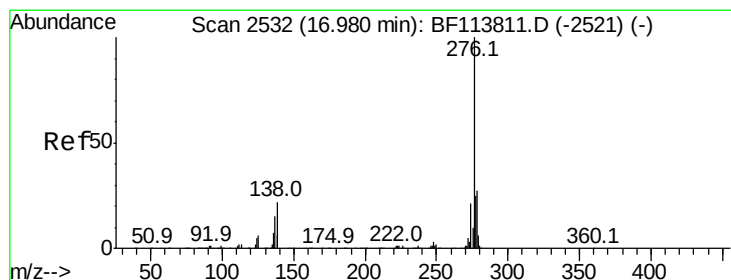
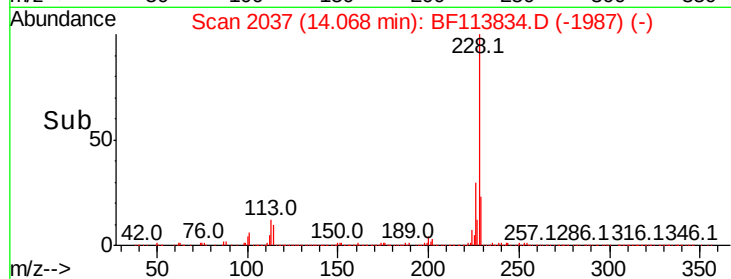
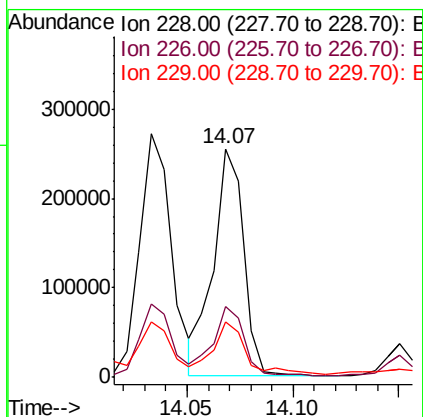
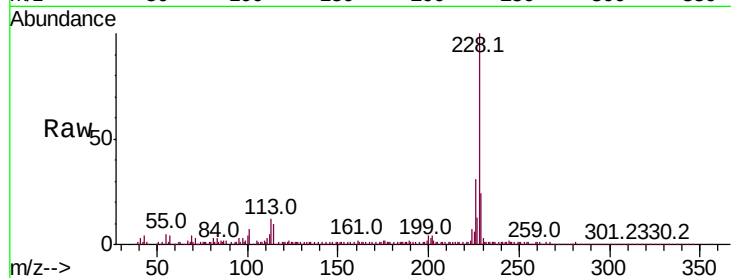




#83
Chrysene
Concen: 8.228 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

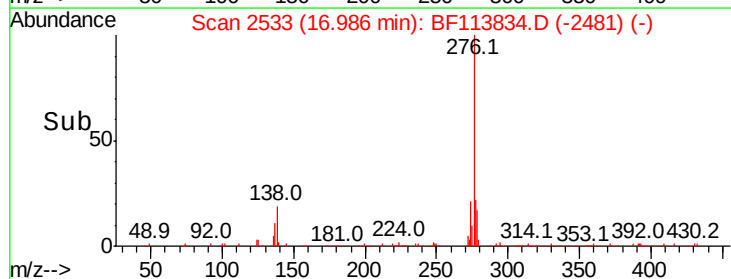
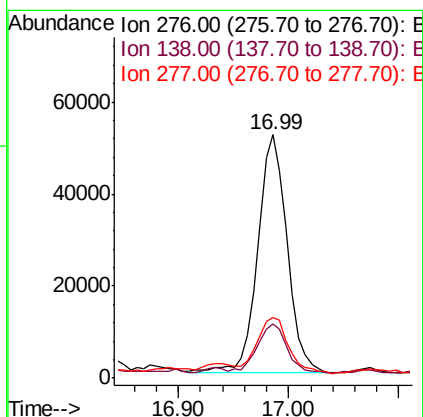
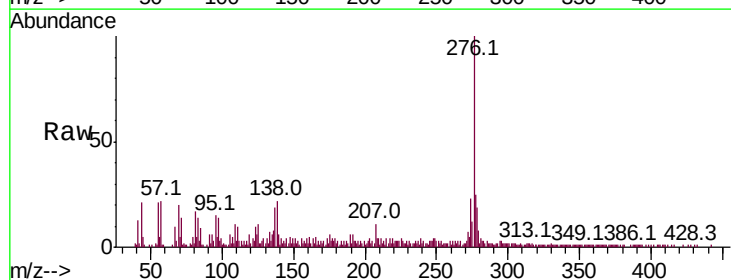
Instrument :
BNA_F
ClientSampleId :

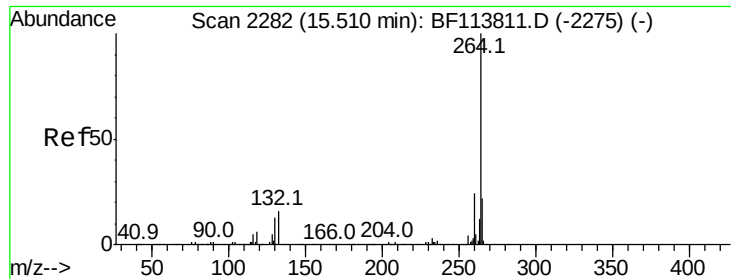
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	24.1	16.7	25.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.840 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.6	29.4
277	25.1	20.2	30.4

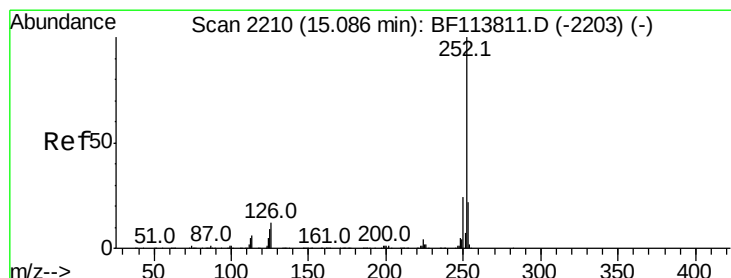
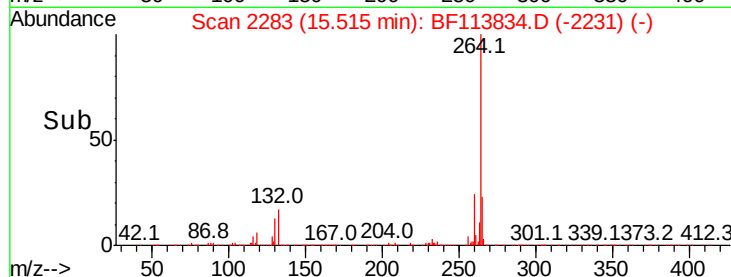
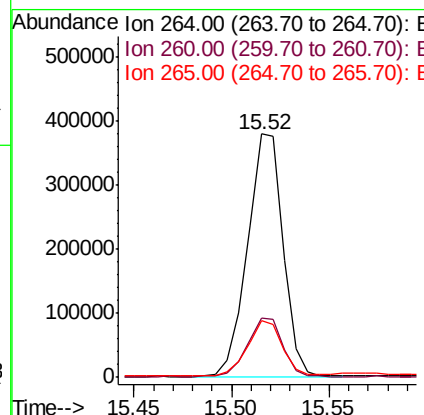
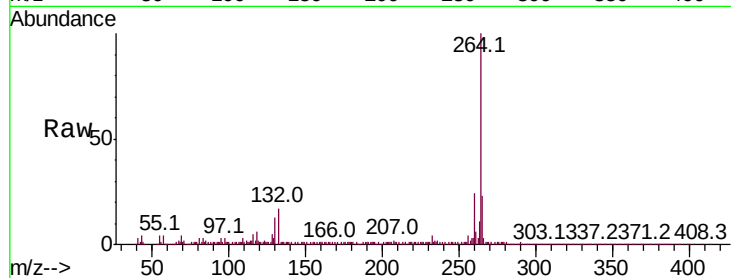




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

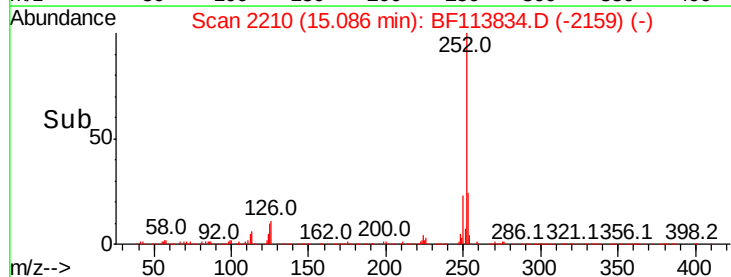
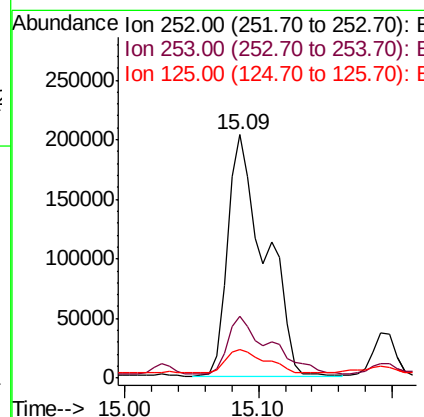
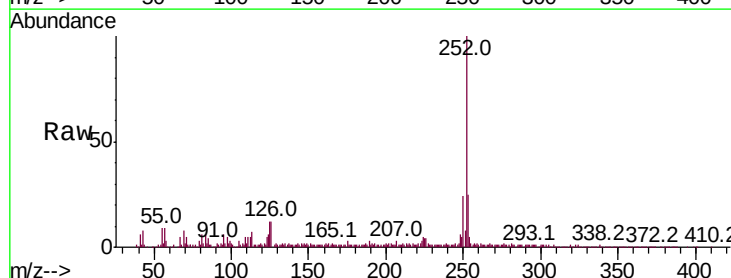
Instrument :
BNA_F
ClientSampleId :

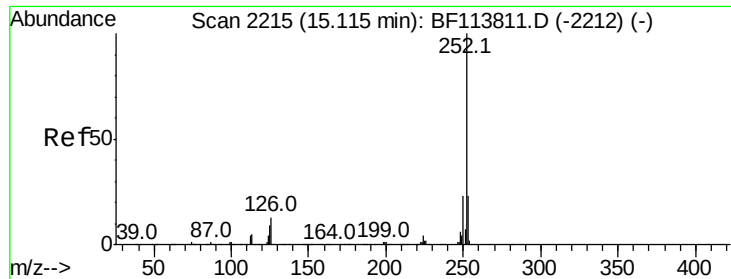
Tot Ion:264 Resp: 478093
Ion Ratio Lower Upper
264 100
260 24.5 18.9 28.3
265 23.5 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 13.229 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF113834.D
Acq: 18 Apr 2019 23:25

Tgt Ion:252 Resp: 394273
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 12.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 14.524 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.03 min

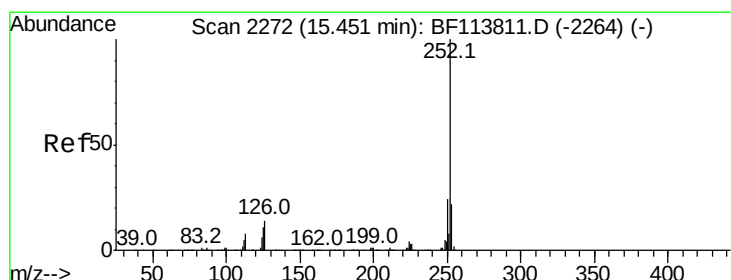
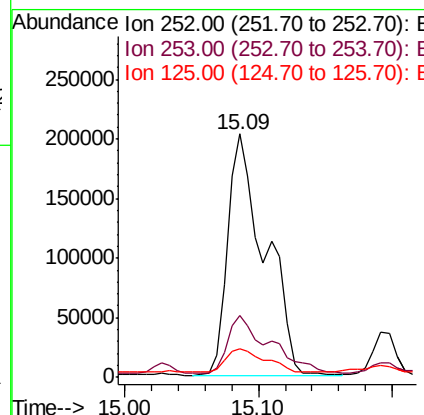
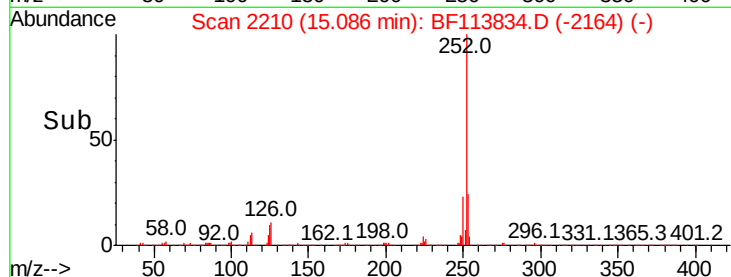
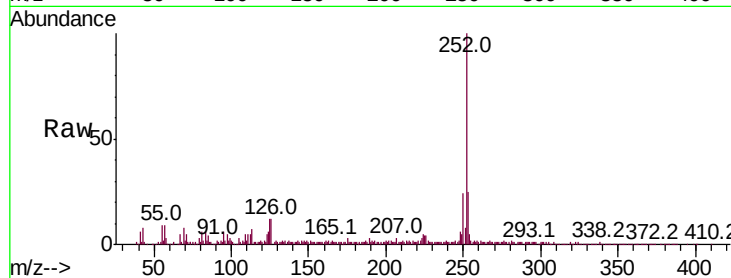
Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 394273

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	12.0	7.4	11.2#



#90

Benzo(a)pyrene

Concen: 7.363 ng

RT: 15.45 min Scan# 2272

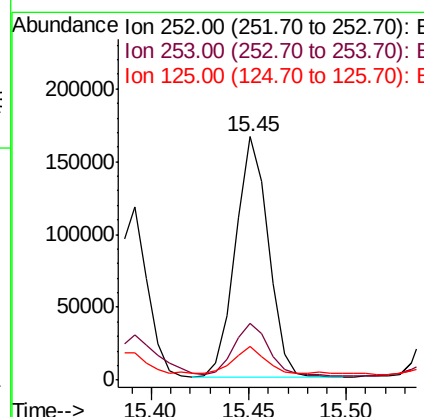
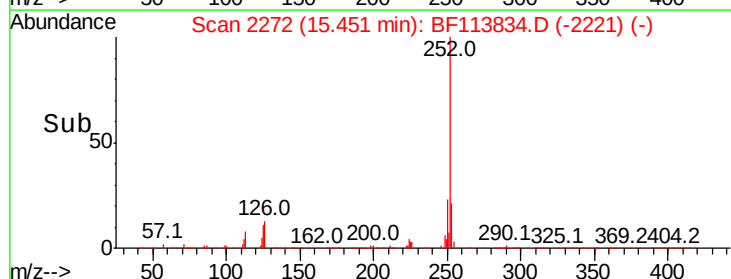
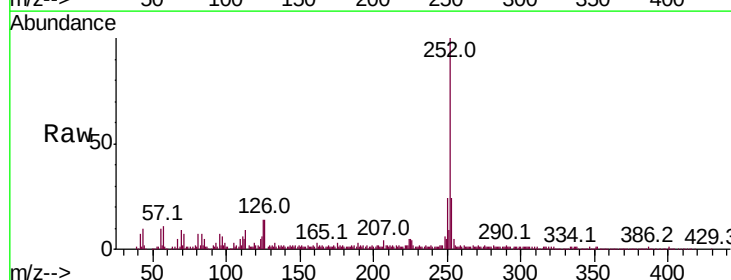
Delta R.T. -0.00 min

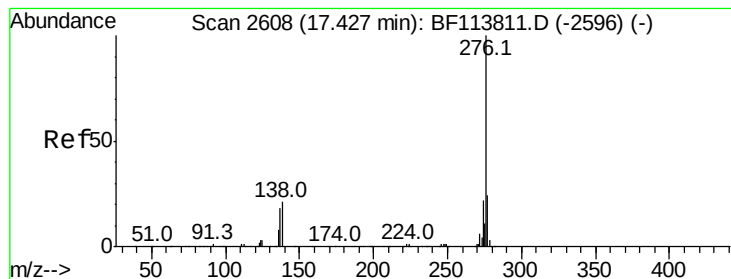
Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Tgt Ion:252 Resp: 194041

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	13.7	8.5	12.7#





#92

Benzo(a,h,i)perylene

Concen: 3.714 ng

RT: 17.43 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BF113834.D

Acq: 18 Apr 2019 23:25

Instrument :

BNA_F

ClientSampleId :

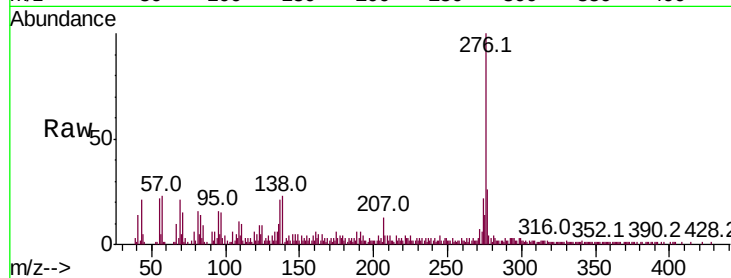
Tot Ion:276 Resp: 88523

Ion Ratio Lower Upper

276 100

277 25.8 19.0 28.4

138 23.4 16.6 25.0



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

