

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095540.D
 Acq On : 30 May 2017 17:44
 Operator : SJ/MA
 Sample : I3281-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:41:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

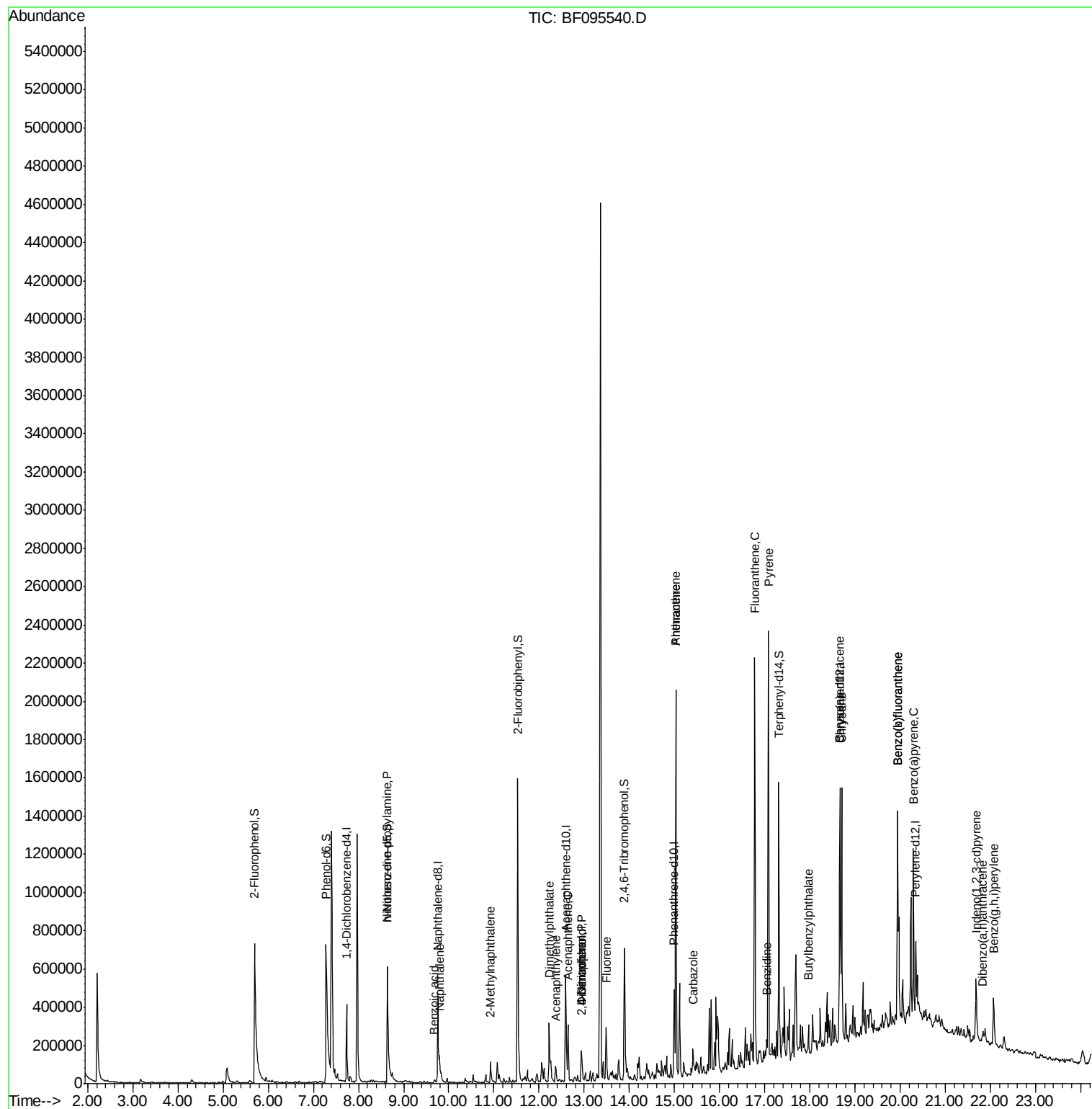
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96432	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	374941	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	158253	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	233999	20.00	ng	-0.01
75) Chrysene-d12	18.67	240	208620	20.00	ng	0.00
86) Perylene-d12	20.35	264	175632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	647429	111.93	ng	0.00
7) Phenol-d6	7.28	99	793438	114.33	ng	-0.01
23) Nitrobenzene-d5	8.64	82	452958	76.18	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	124155	95.80	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	833641	75.82	ng	-0.01
78) Terphenyl-d14	17.31	244	500639	52.86	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	54154	11.54	ng	# 75
31) Naphthalene	9.80	128	97688	5.18	ng	98
32) Benzoic acid	9.68	122	415	5.19	ng	# 1
37) 2-Methylnaphthalene	10.92	142	56900	4.60	ng	96
48) Acenaphthylene	12.37	152	43955	2.61	ng	97
49) Dimethylphthalate	12.22	163	215883	16.62	ng	98
51) Acenaphthene	12.64	154	95971	9.54	ng	97
53) 2,4-Dinitrophenol	12.95	184	243	6.40	ng	# 1
54) Dibenzofuran	12.94	168	107451	7.71	ng	97
55) 4-Nitrophenol	12.94	139	38233	22.38	ng	# 28
57) Fluorene	13.49	166	104451	8.62	ng	98
70) Phenanthrene	15.04	178	1136674	84.54	ng	98
71) Anthracene	15.04	178	1136674	82.77	ng	98
72) Carbazole	15.41	167	102501	8.20	ng	97
74) Fluoranthene	16.78	202	1176703	85.32	ng	99
76) Benzidine	17.05	184	115	6.61	ng	# 1
77) Pyrene	17.08	202	1135798	72.80	ng	98
79) Butylbenzylphthalate	17.97	149	26350	3.63	ng	# 87
80) Benzo(a)anthracene	18.66	228	592745	48.82	ng	96
82) Chrysene	18.71	228	535060	45.58	ng	98
85) Indeno(1,2,3-cd)pyrene	21.68	276	214962	22.55	ng	94
87) Benzo(b)fluoranthene	19.95	252	797343	73.47	ng	# 97
88) Benzo(k)fluoranthene	19.95	252	797343	76.17	ng	99
89) Benzo(a)pyrene	20.29	252	411324	41.07	ng	96
90) Dibenzo(a,h)anthracene	21.83	278	41573	5.03	ng	95
91) Benzo(g,h,i)perylene	22.07	276	194094	23.91	ng	98

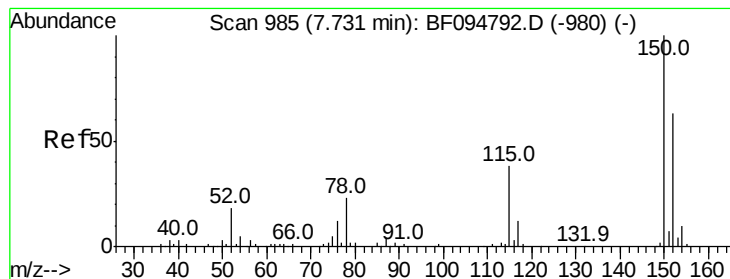
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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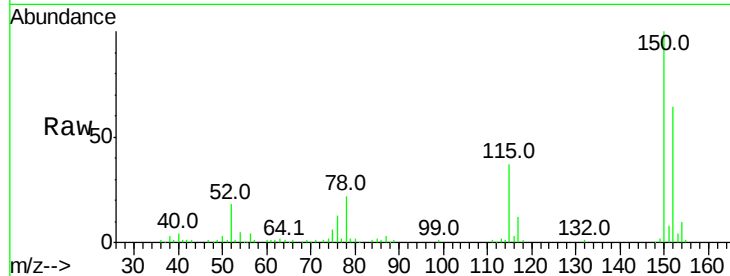


#1

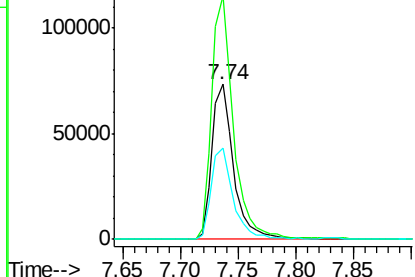
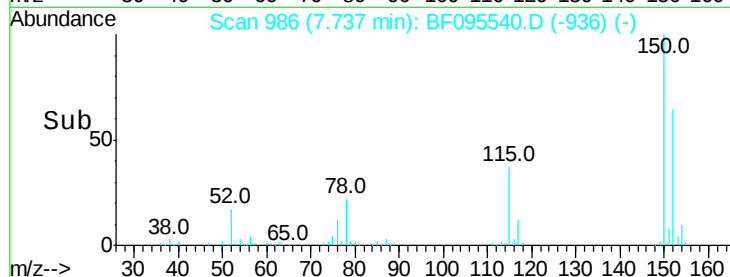
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96432
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 58.5 52.2 78.2



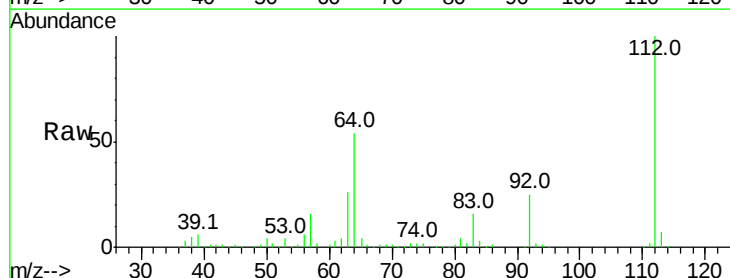
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



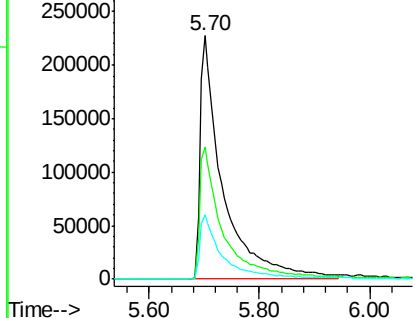
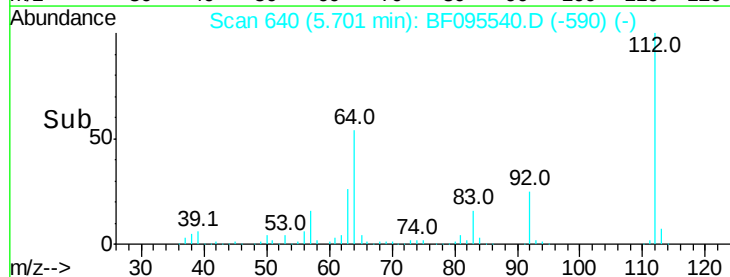
#5

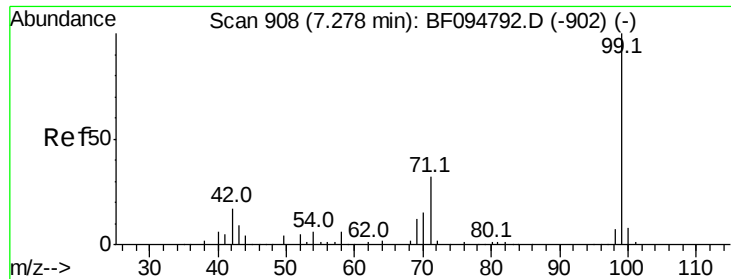
2-Fluorophenol
Concen: 111.93 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Tgt Ion:112 Resp: 647429
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 26.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.33 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

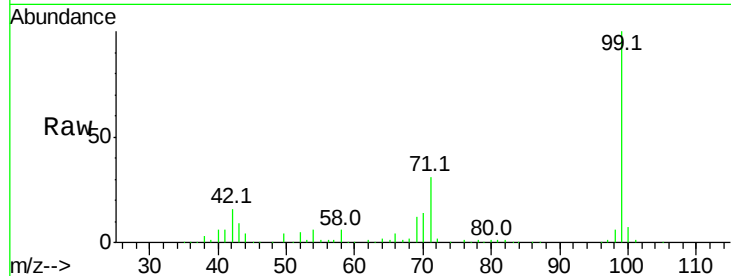
Tot Ion: 99 Resp: 793438

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

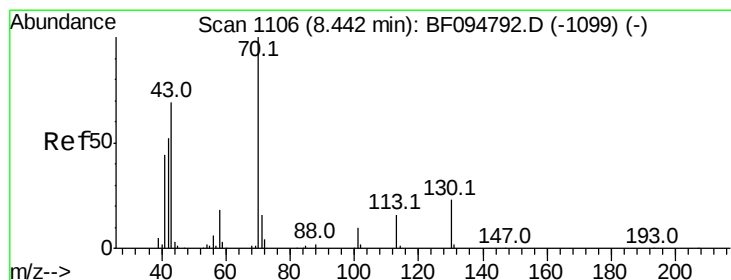
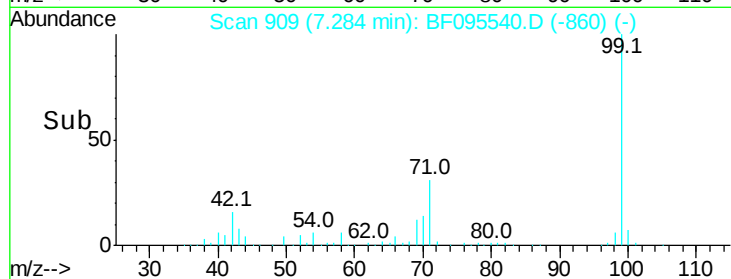
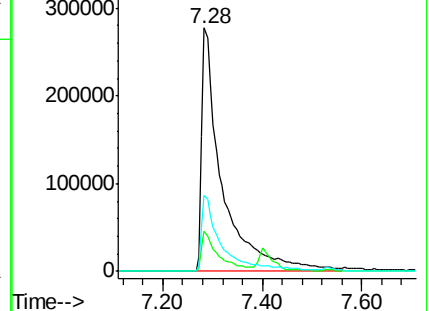
71 31.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 11.54 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Tgt Ion: 70 Resp: 54154

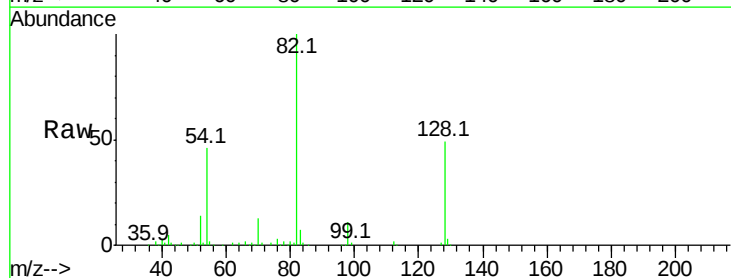
Ion Ratio Lower Upper

70 100

42 43.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

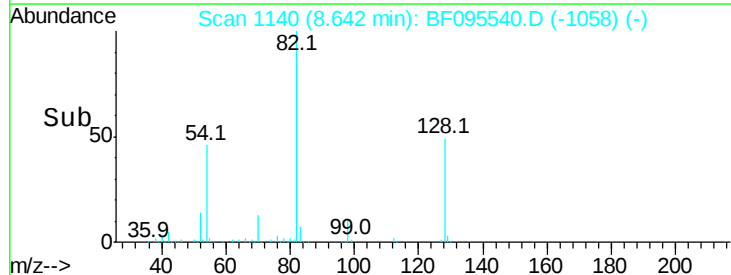
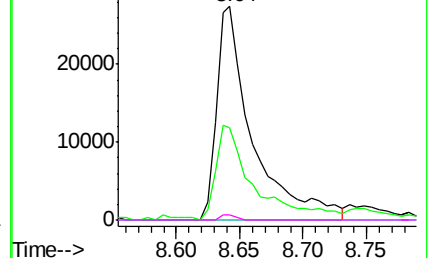


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.76 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 374941

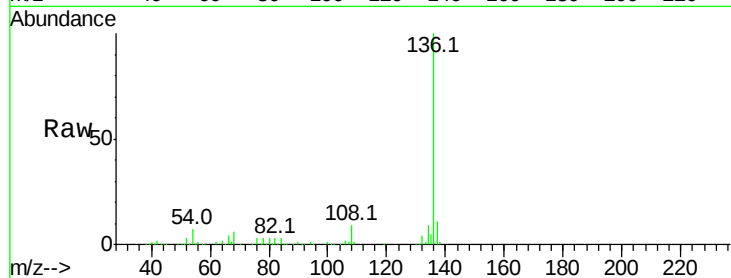
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.6 4.9 7.3

68 5.8 4.1 6.1

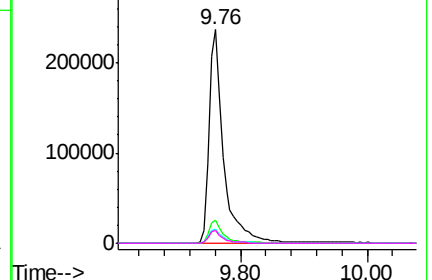
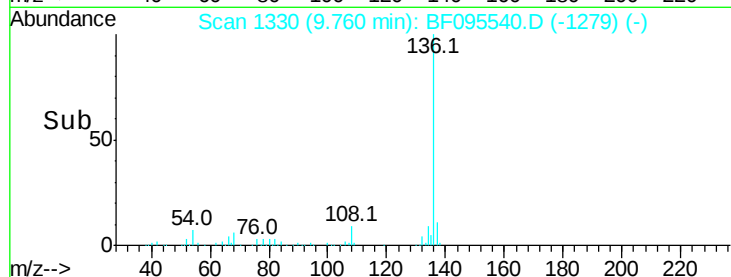


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 76.18 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

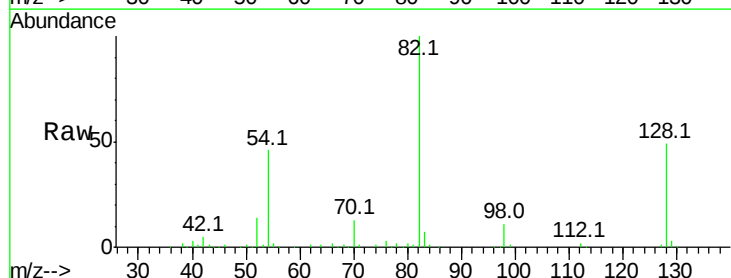
Tgt Ion: 82 Resp: 452958

Ion Ratio Lower Upper

82 100

128 48.7 34.0 51.0

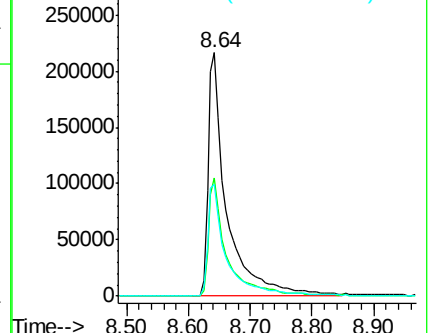
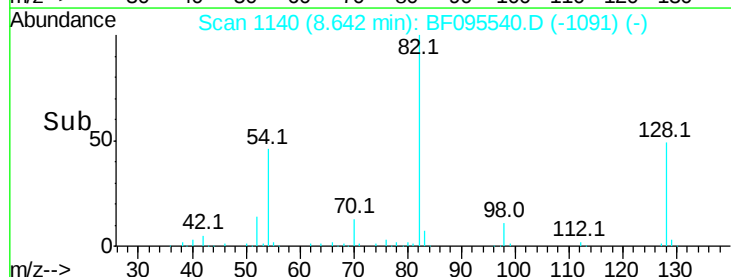
54 46.1 42.2 63.2

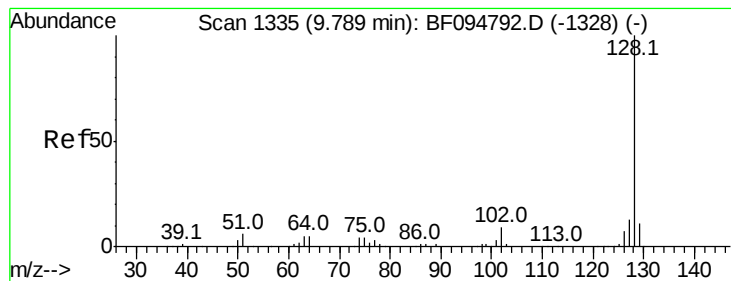


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 5.18 ng

RT: 9.80 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

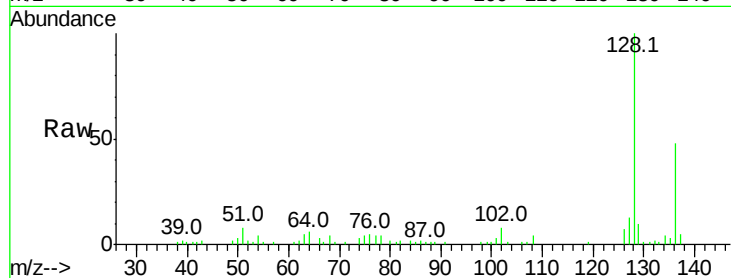
Tot Ion:128 Resp: 97688

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.6

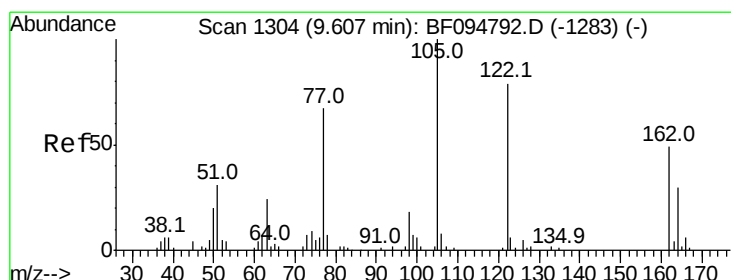
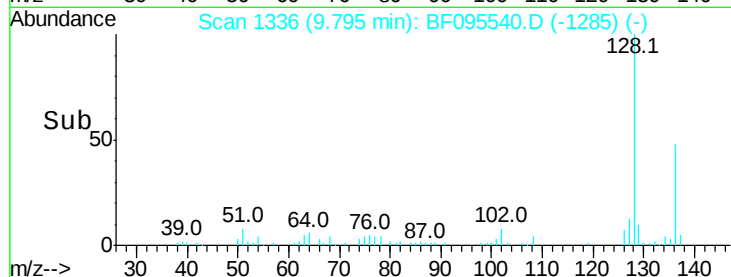
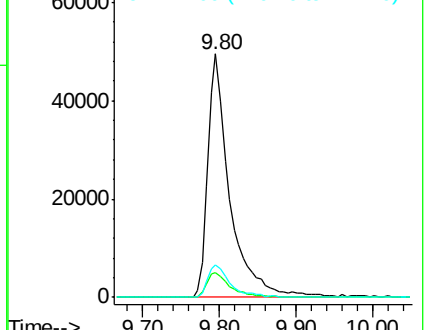
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.19 ng

RT: 9.68 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

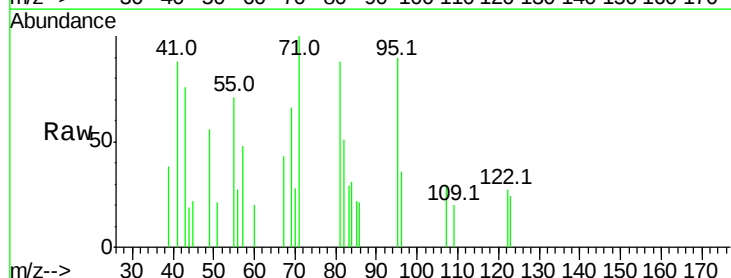
Tgt Ion:122 Resp: 415

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

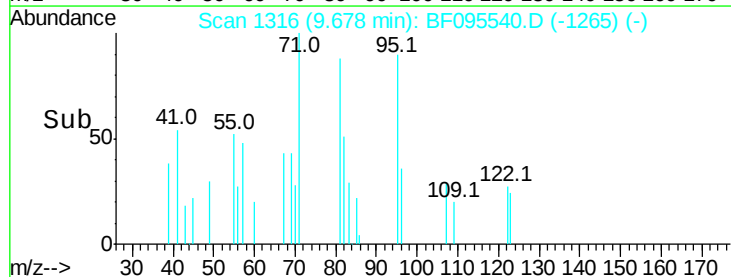
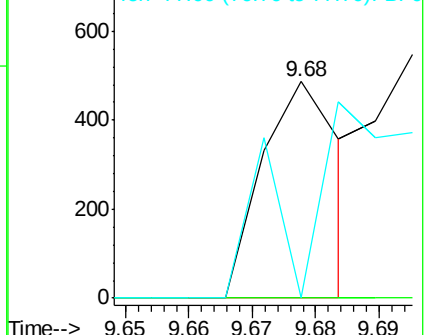
77 0.0 73.7 113.7#

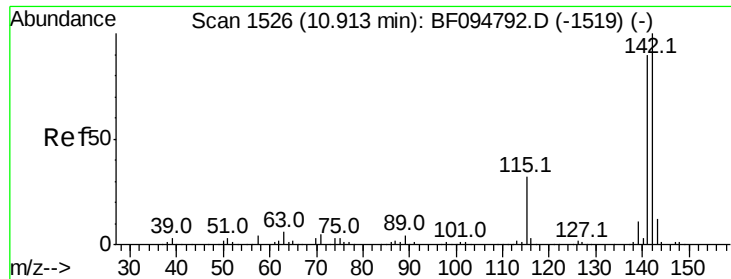


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

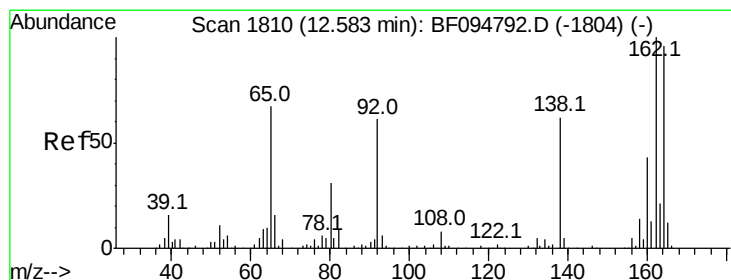
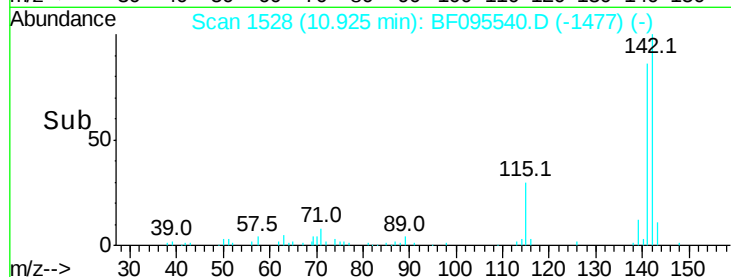
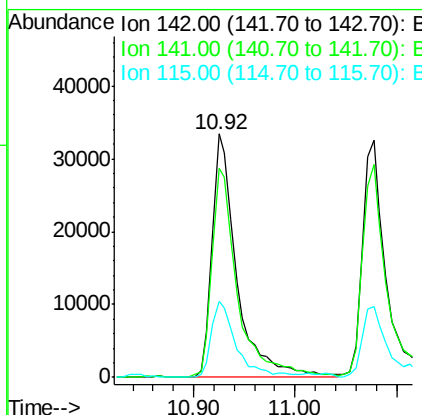
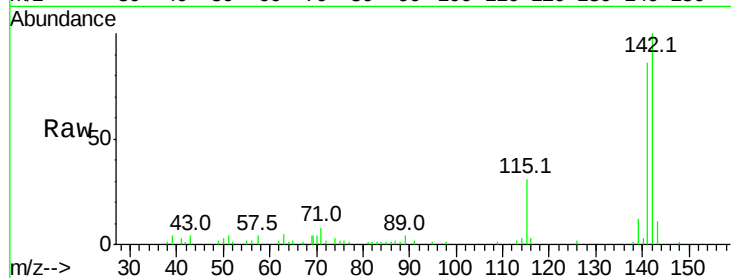




#37
2-Methylnaphthalene
Concen: 4.60 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

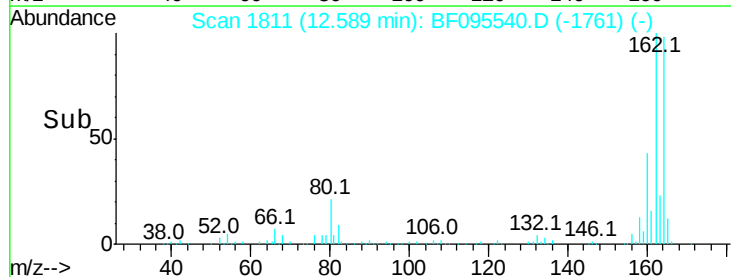
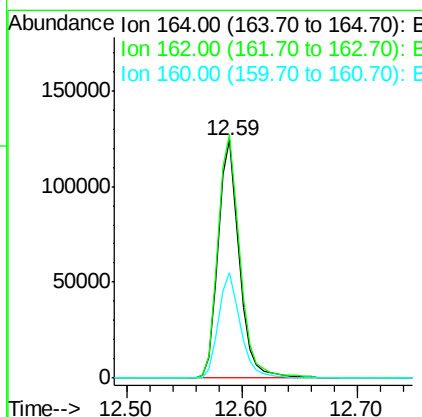
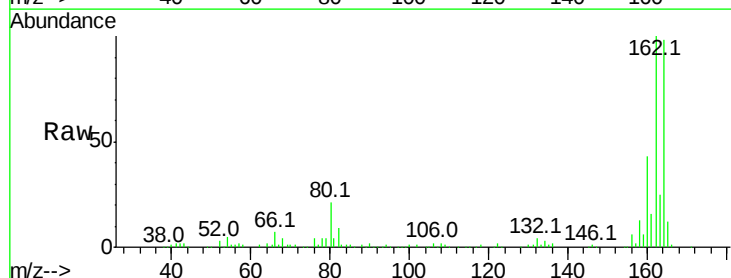
Instrument :
BNA_F
ClientSampleId :

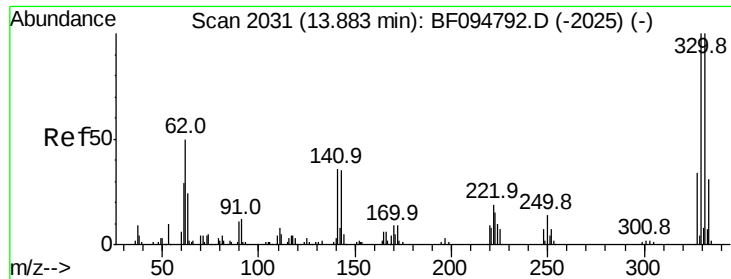
Tot Ion:142 Resp: 56900
Ion Ratio Lower Upper
142 100
141 86.1 71.3 106.9
115 31.1 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Tgt Ion:164 Resp: 158253
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 44.1 36.2 54.2

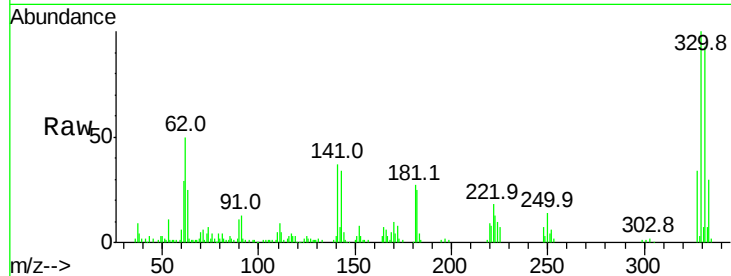




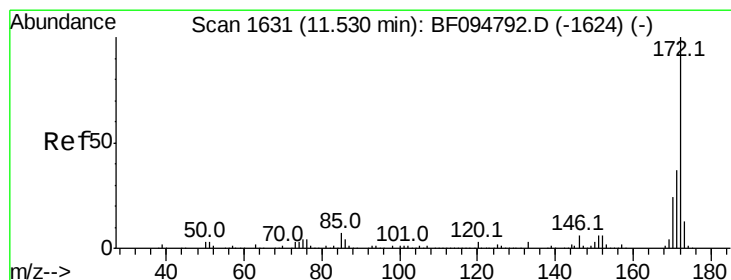
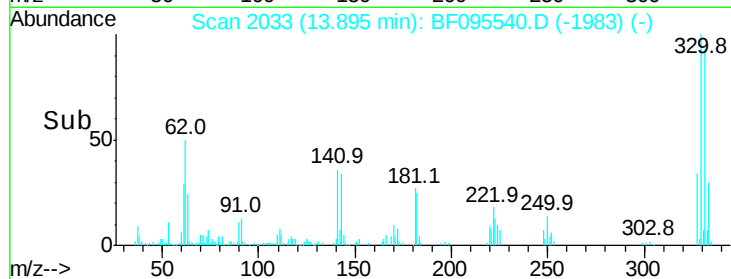
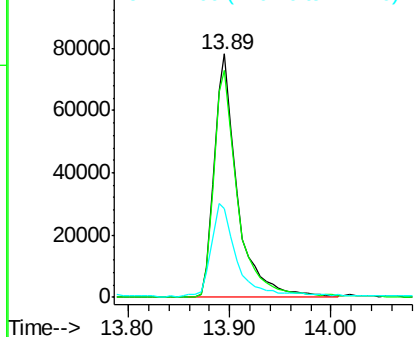
#41
 2,4,6-Tribromophenol
 Concen: 95.80 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095540.D
 Acq: 30 May 2017 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	42.5	31.4	47.2

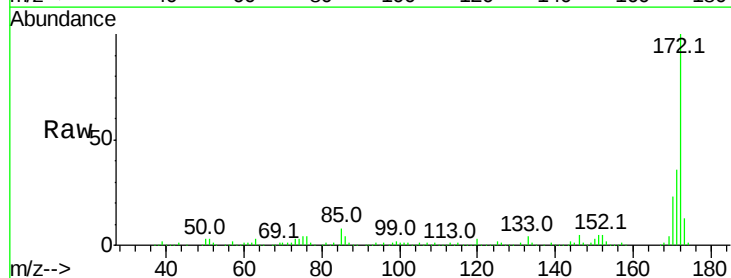


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

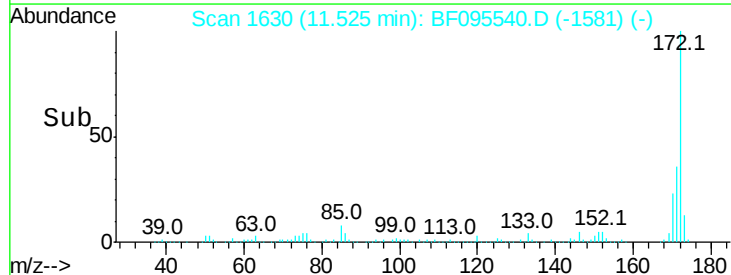
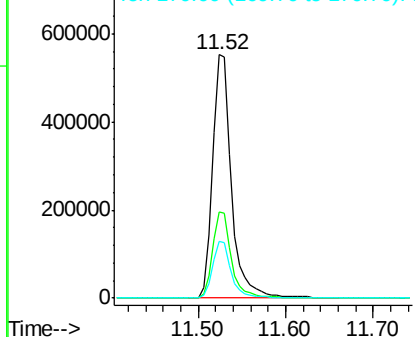


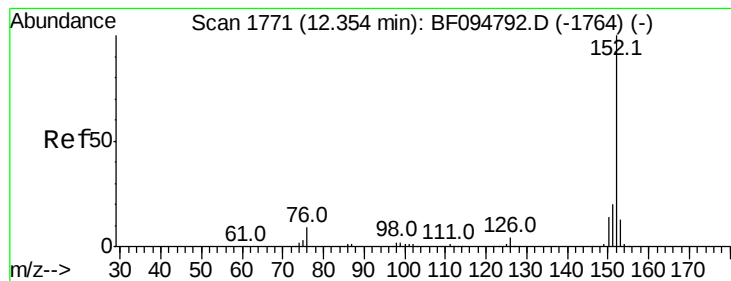
#44
 2-Fluorobiphenyl
 Concen: 75.82 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF095540.D
 Acq: 30 May 2017 17:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.1	19.8	29.8



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





#48

Acenaphthylene

Concen: 2.61 ng

RT: 12.37 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

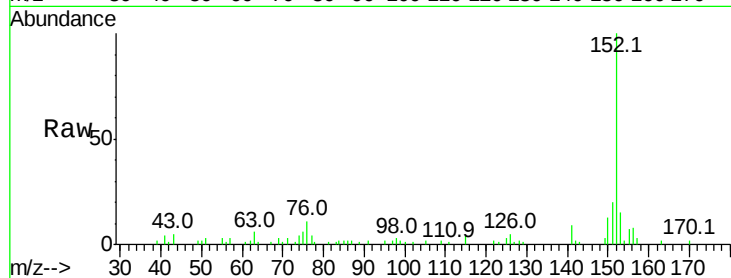
Tot Ion:152 Resp: 43955

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

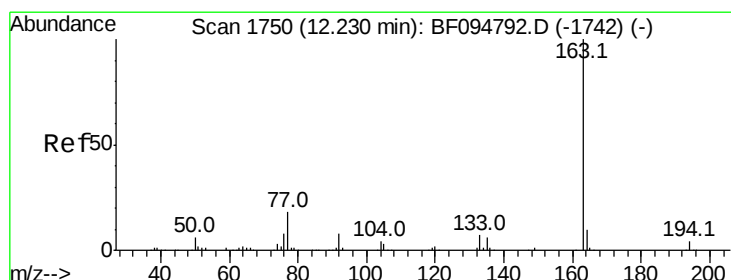
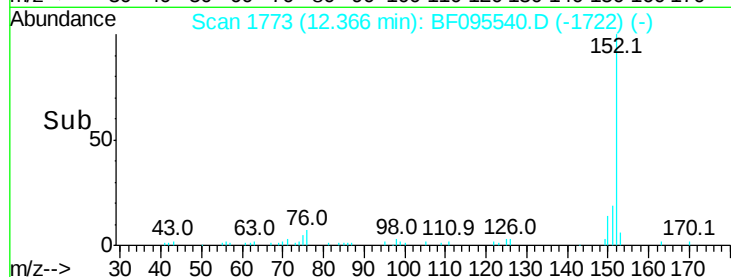
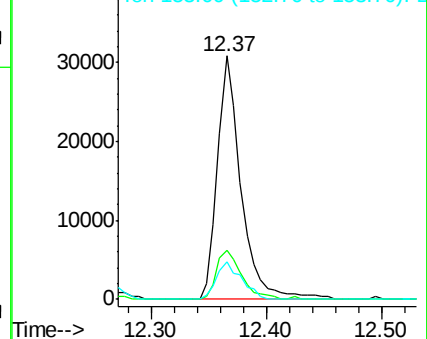
153 15.2 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 16.62 ng

RT: 12.22 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

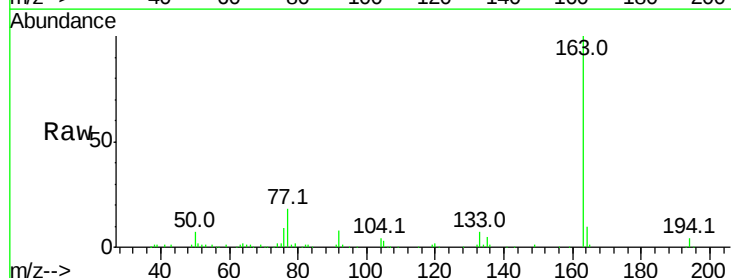
Tgt Ion:163 Resp: 215883

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

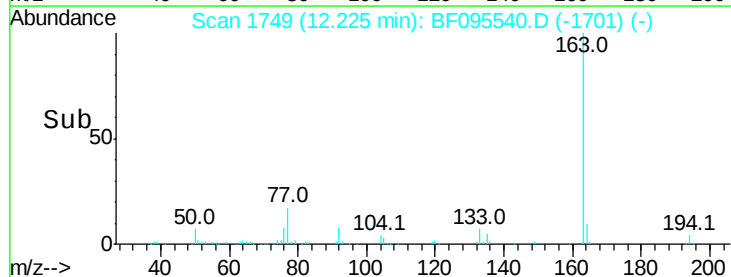
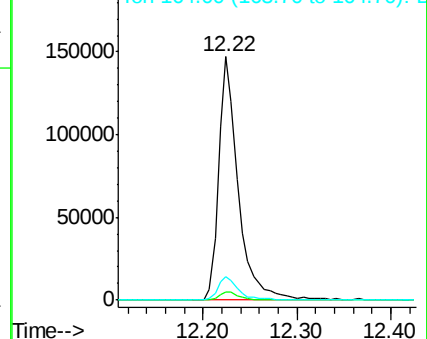
164 9.8 8.4 12.6

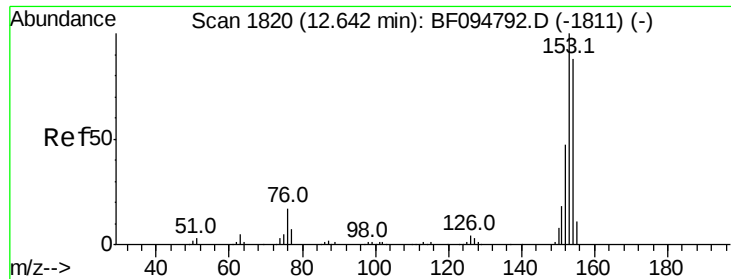


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 9.54 ng

RT: 12.64 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

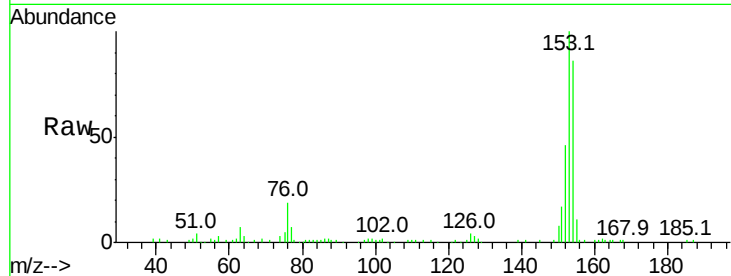
Tot Ion:154 Resp: 95971

Ion Ratio Lower Upper

154 100

153 116.9 90.5 135.7

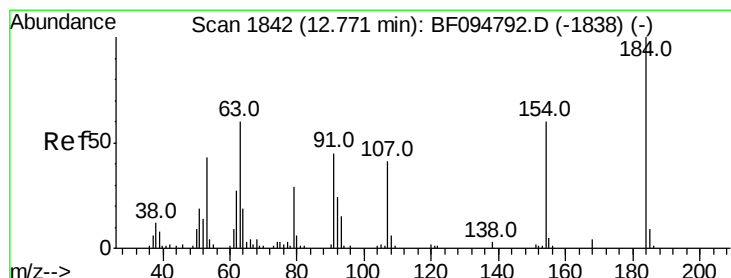
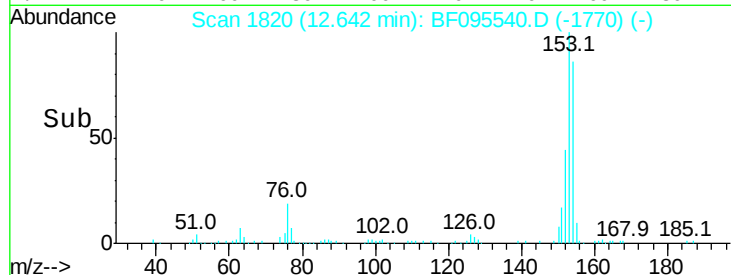
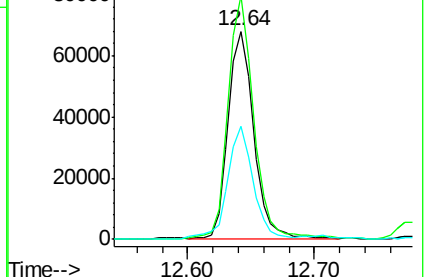
152 54.3 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 6.40 ng

RT: 12.95 min Scan# 1873

Delta R.T. 0.11 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

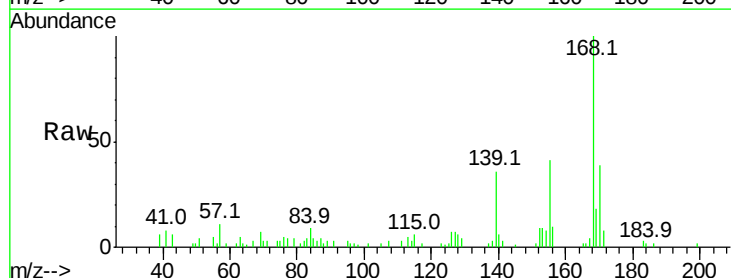
Tgt Ion:184 Resp: 243

Ion Ratio Lower Upper

184 100

63 333.6 62.7 94.1#

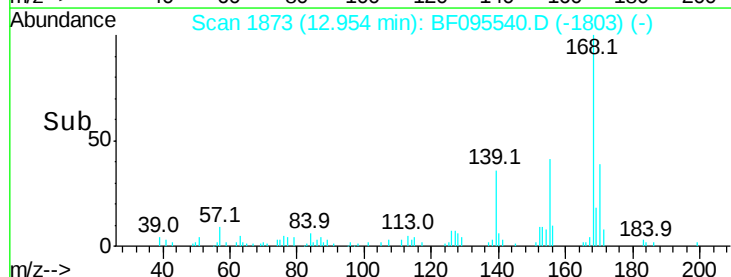
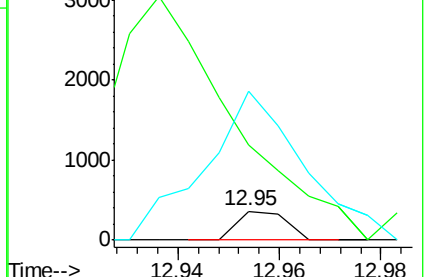
154 519.3 81.1 121.7#

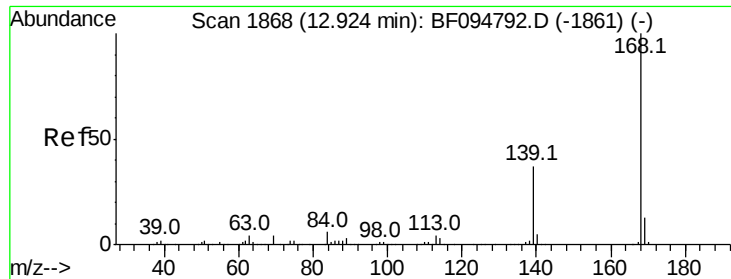


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 7.71 ng

RT: 12.94 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

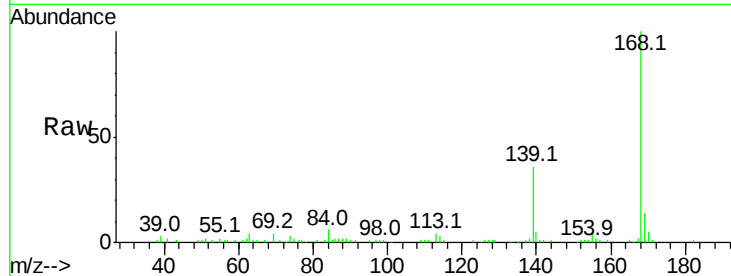
Tot Ion:168 Resp: 107451

Ion Ratio Lower Upper

168 100

139 35.8 30.6 45.8

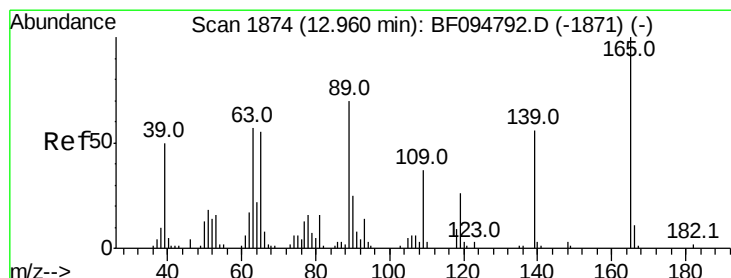
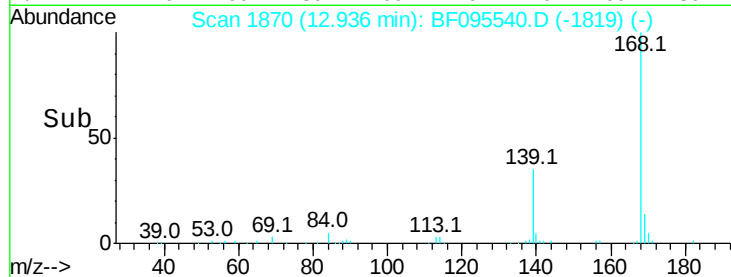
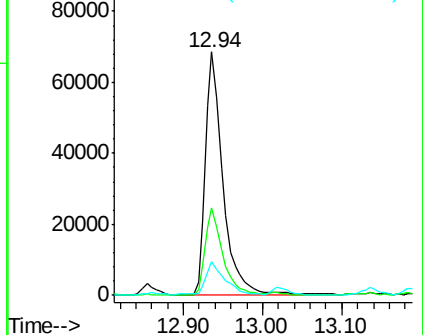
169 14.0 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 22.38 ng

RT: 12.94 min Scan# 1870

Delta R.T. -0.11 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

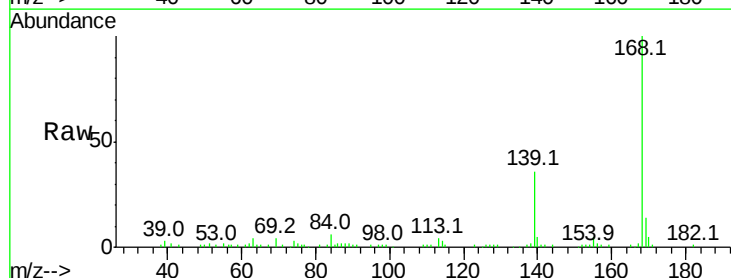
Tgt Ion:139 Resp: 38233

Ion Ratio Lower Upper

139 100

109 2.2 34.1 74.1#

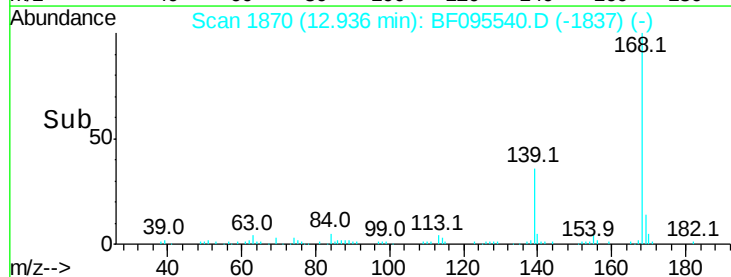
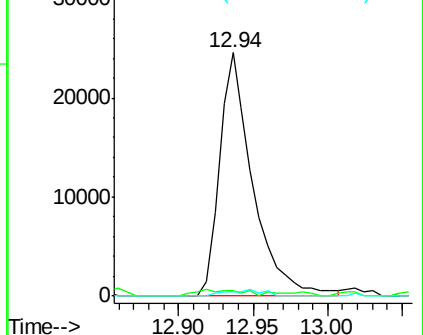
65 1.6 31.4 71.4#

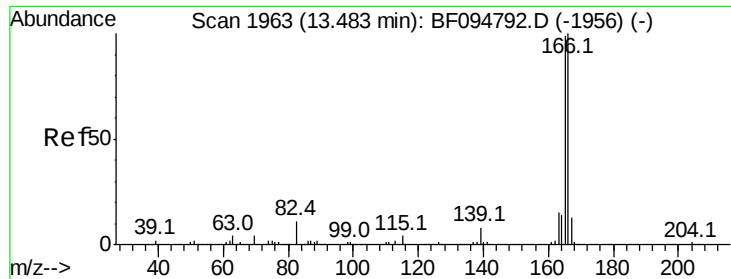


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

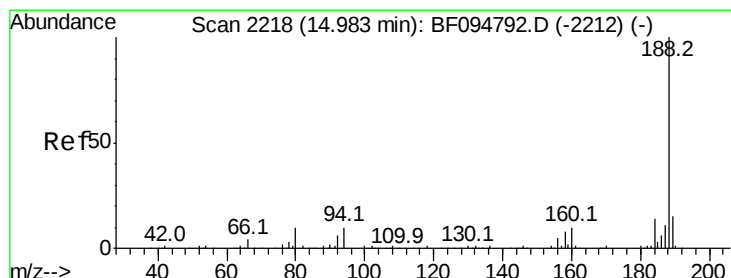
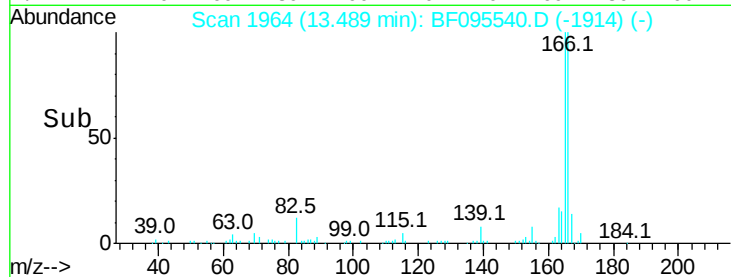
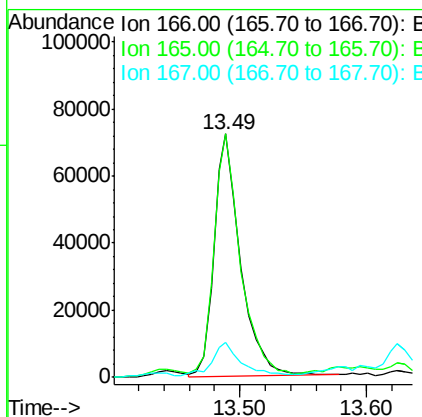
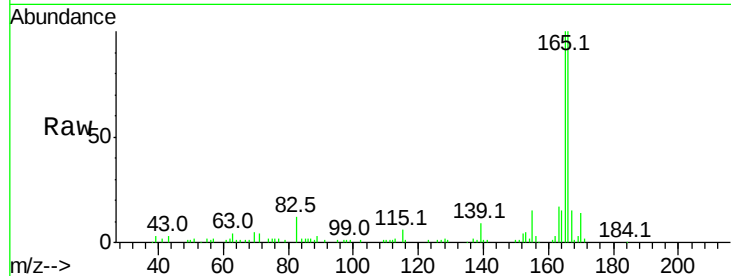




#57
 Fluorene
 Concen: 8.62 ng
 RT: 13.49 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF095540.D
 Acq: 30 May 2017 17:44

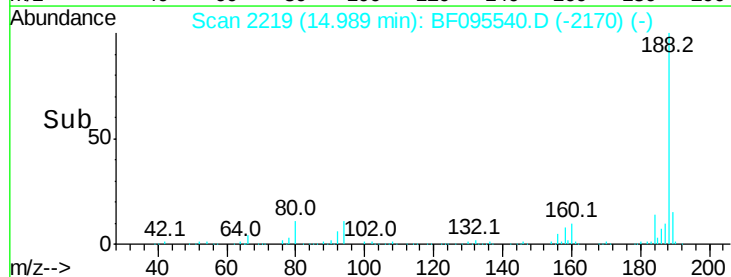
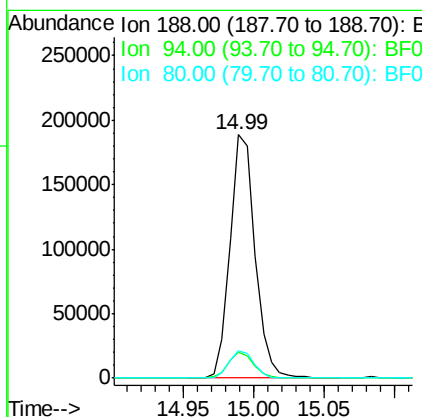
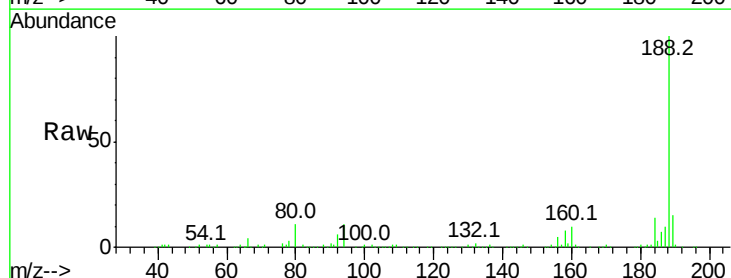
Instrument :
 BNA_F
 ClientSampleId :

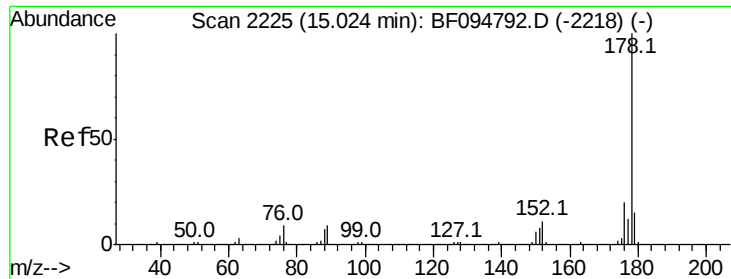
Tot Ion:166 Resp: 104451
 Ion Ratio Lower Upper
 166 100
 165 100.2 78.8 118.2
 167 14.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BF095540.D
 Acq: 30 May 2017 17:44

Tgt Ion:188 Resp: 233999
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 11.1 10.2 15.2

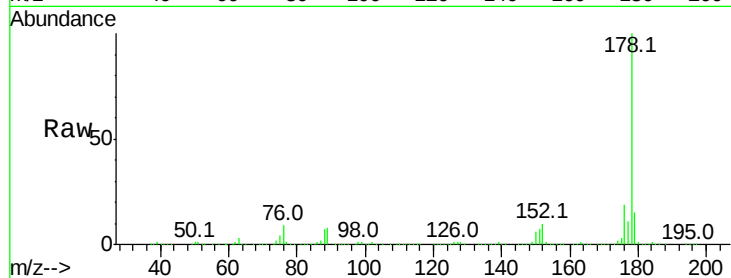




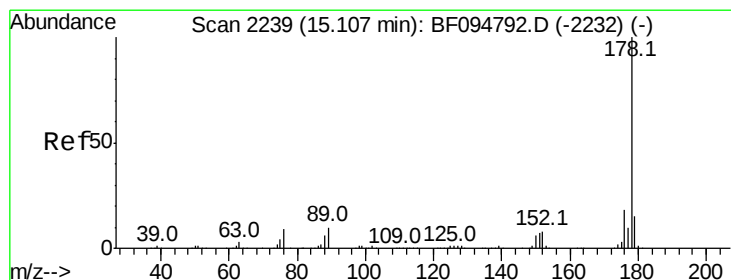
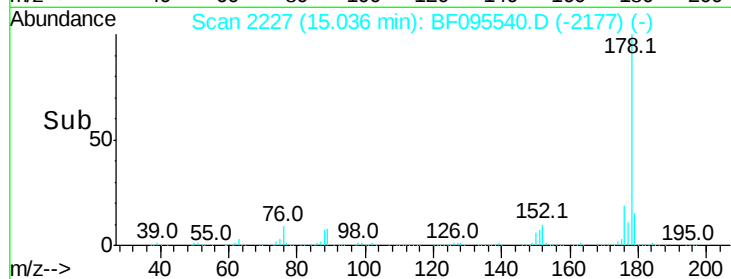
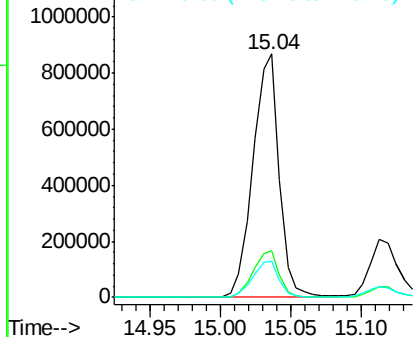
#70
Phenanthrene
Concen: 84.54 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 1136674
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.0 12.6 19.0

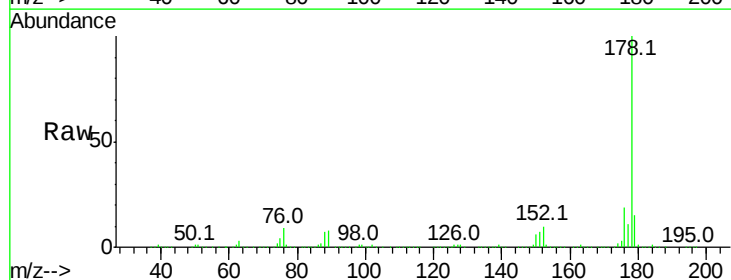


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

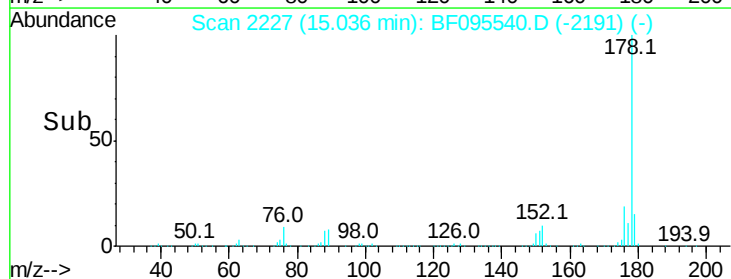
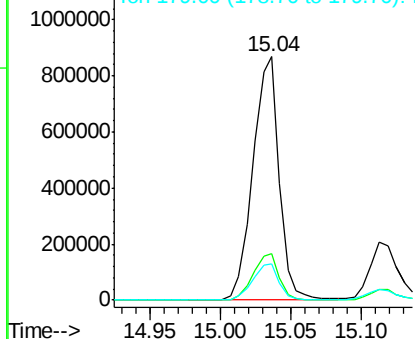


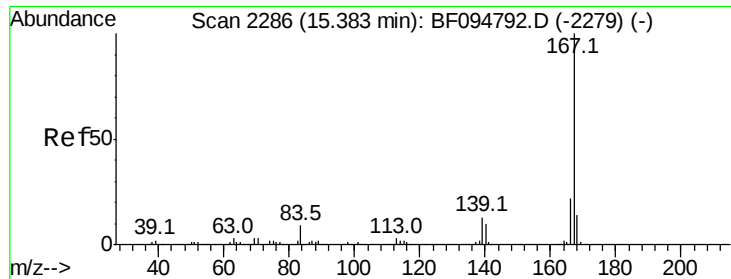
#71
Anthracene
Concen: 82.77 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Tgt Ion:178 Resp: 1136674
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

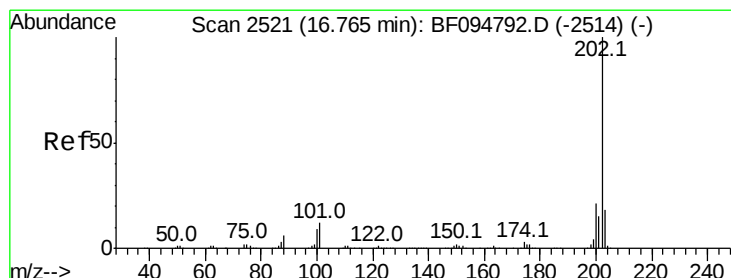
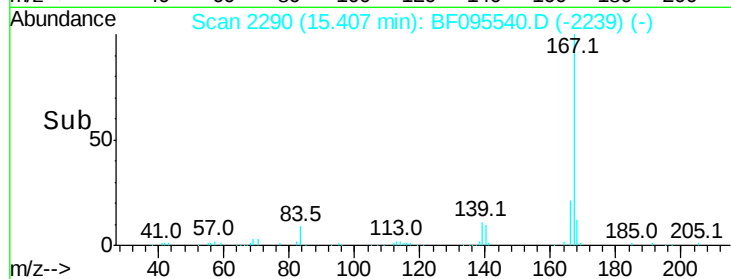
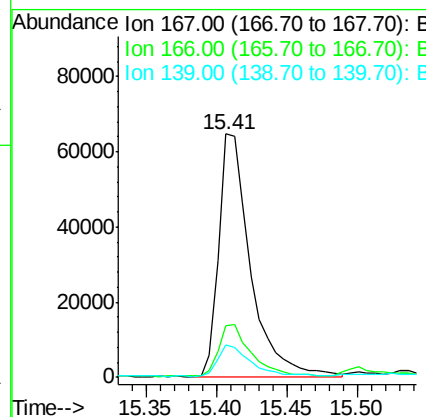
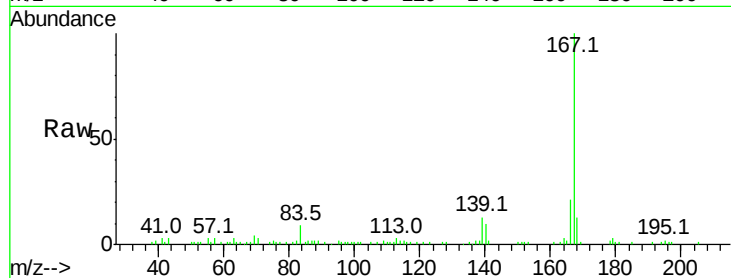




#72
 Carbazole
 Concen: 8.20 ng
 RT: 15.41 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: BF095540.D
 Acq: 30 May 2017 17:44

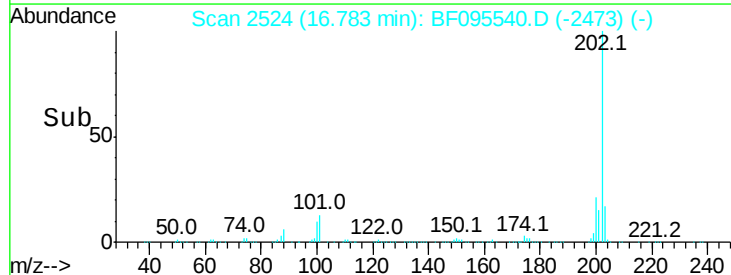
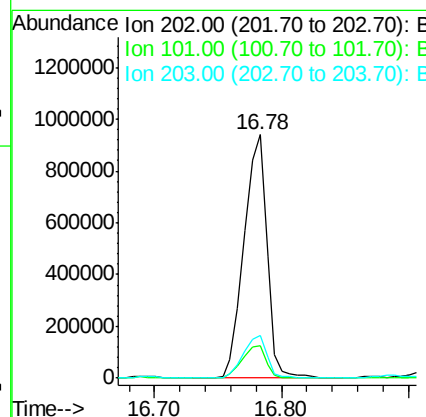
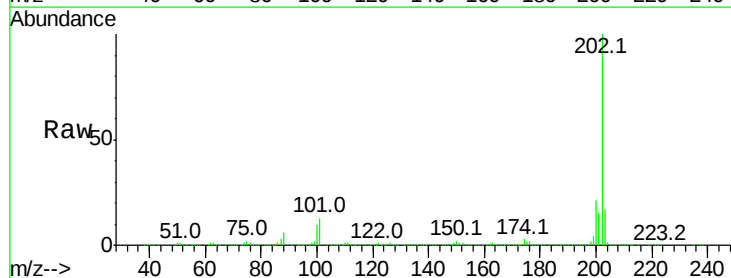
Instrument :
 BNA_F
 ClientSampleId :

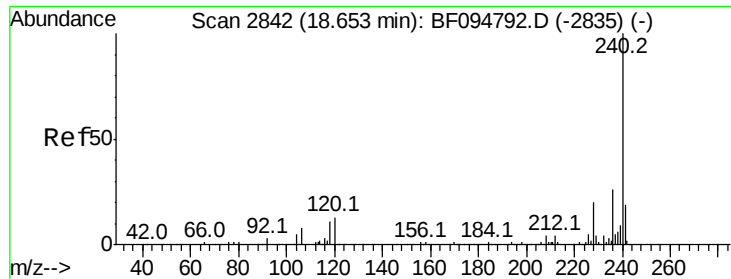
Tot Ion:167 Resp: 102501
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.1 27.1
 139 13.3 11.7 17.5



#74
 Fluoranthene
 Concen: 85.32 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095540.D
 Acq: 30 May 2017 17:44

Tgt Ion:202 Resp: 1176703
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

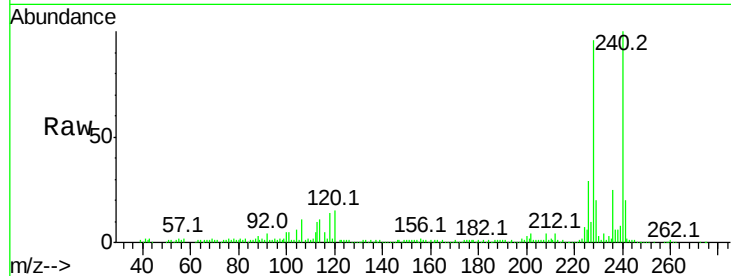
Tot Ion:240 Resp: 208620

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

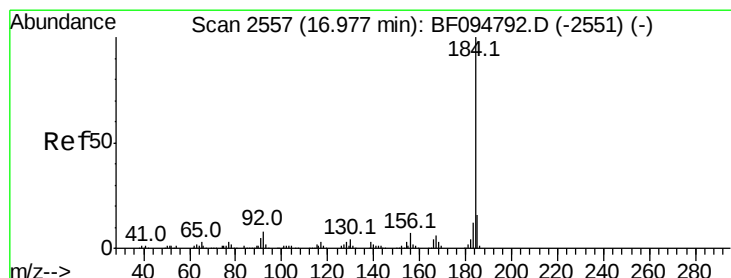
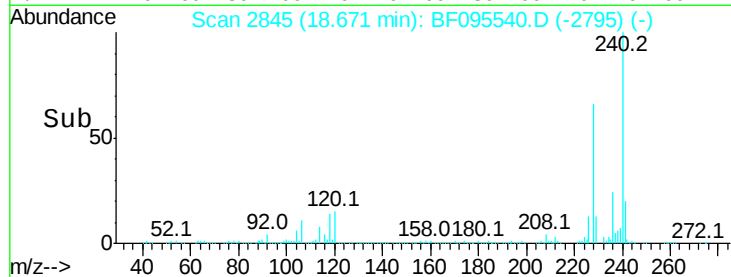
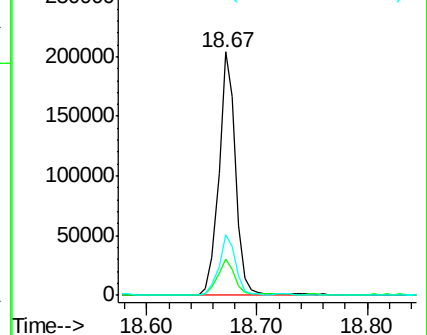
236 24.7 20.5 30.7



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



#76

Benzidine

Concen: 6.61 ng

RT: 17.05 min Scan# 2569

Delta R.T. 0.04 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

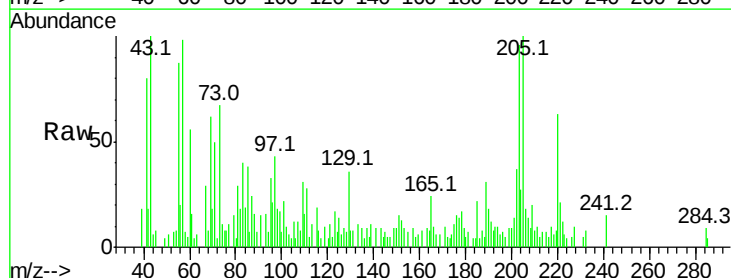
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

185 548.6 15.5 23.3#

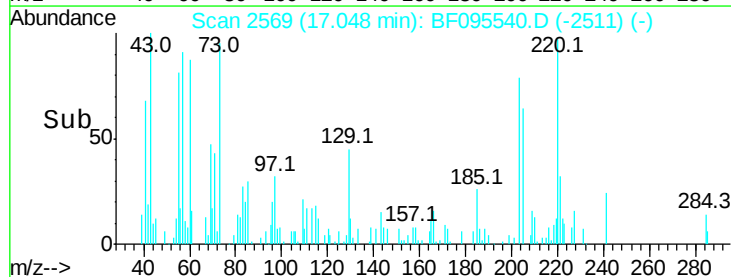
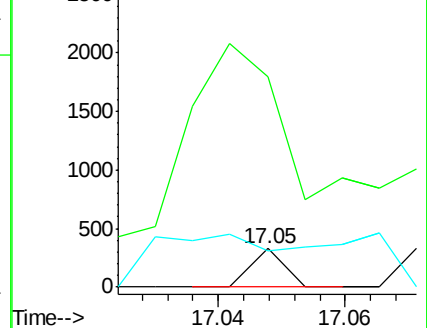
183 94.2 9.8 14.6#

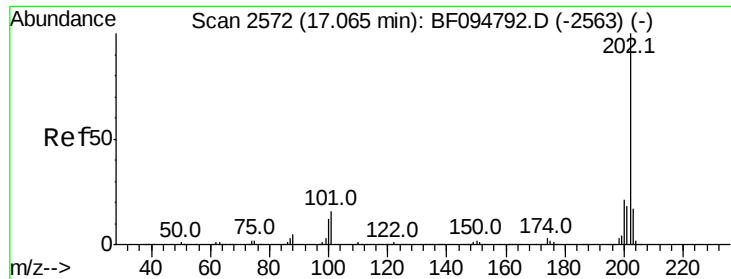


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 72.80 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

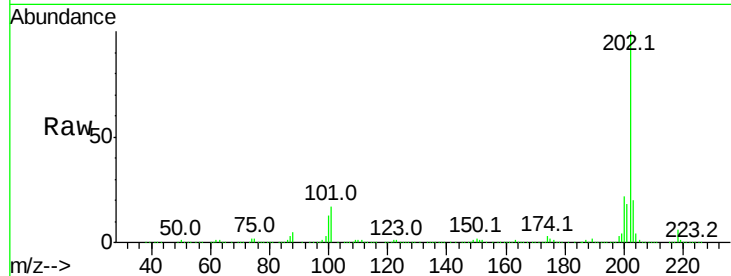
Tot Ion:202 Resp: 1135798

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

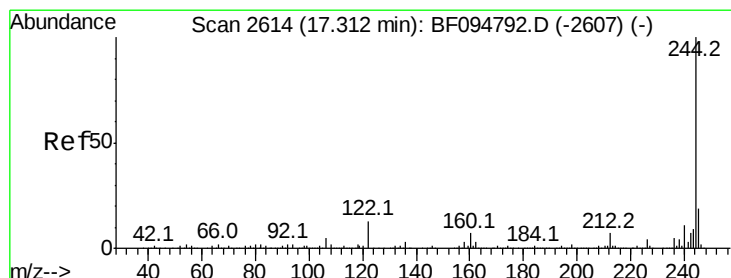
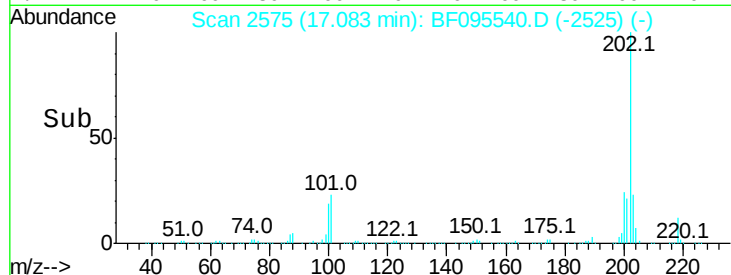
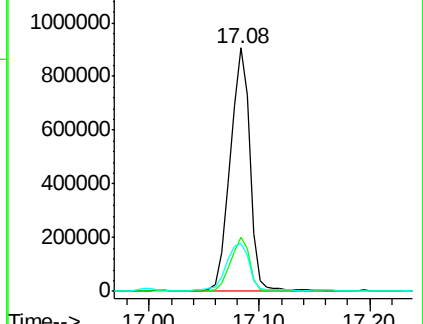
203 19.7 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 52.86 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

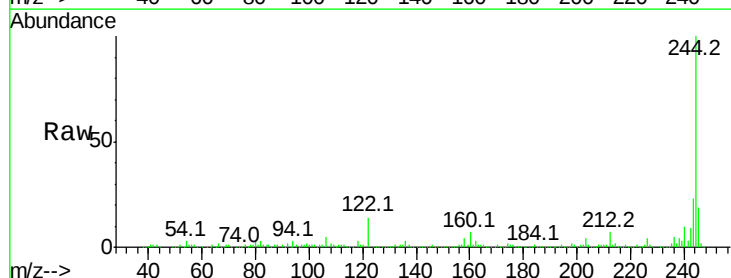
Tgt Ion:244 Resp: 500639

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

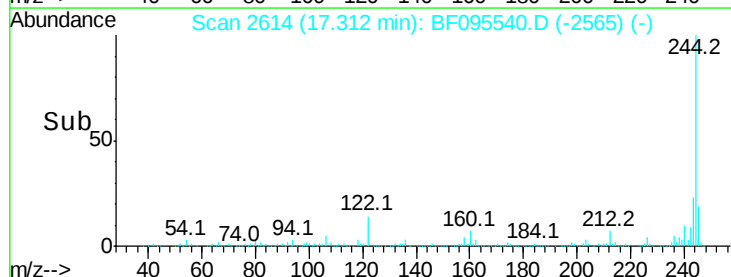
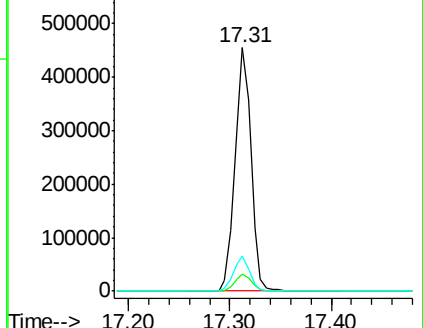
122 14.5 10.3 15.5

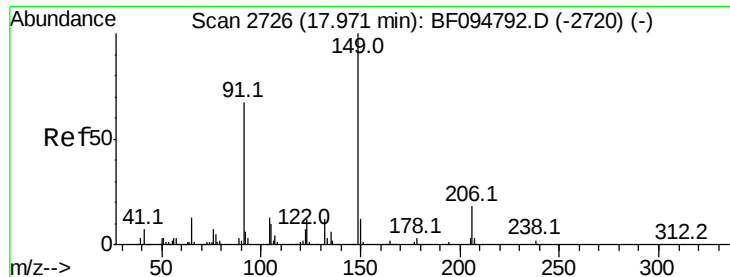


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

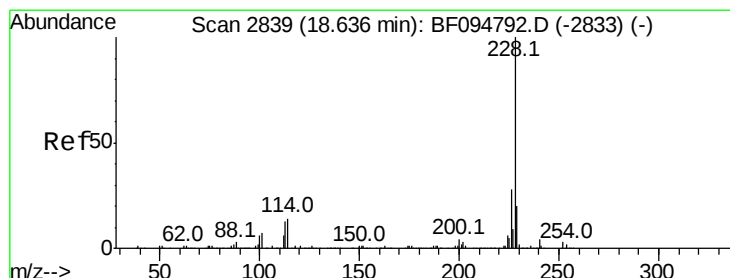
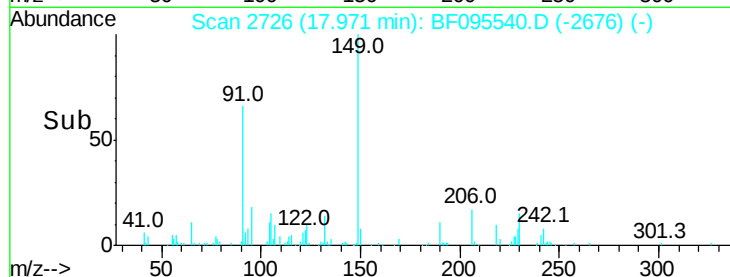
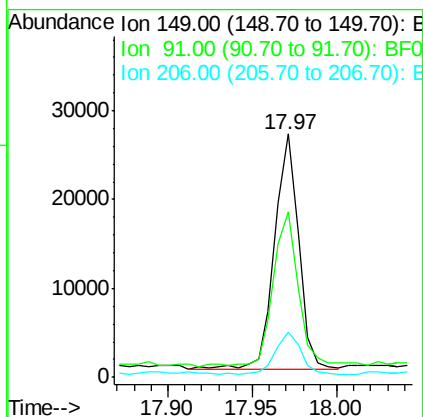
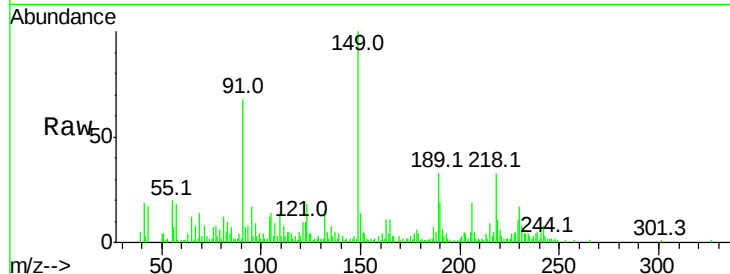




#79
Butylbenzylphthalate
Concen: 3.63 ng
RT: 17.97 min Scan# 2726
Delta R.T. -0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

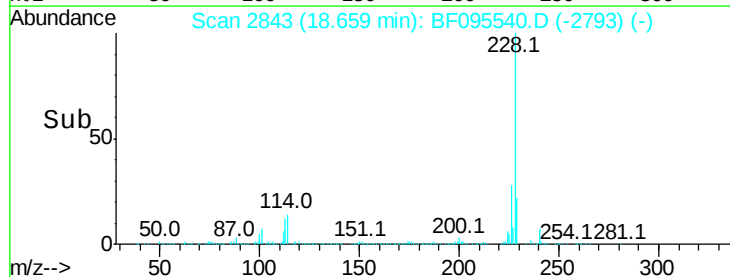
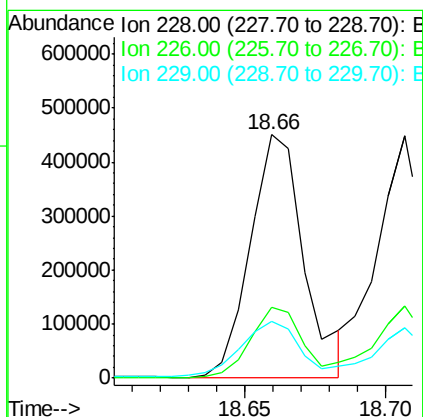
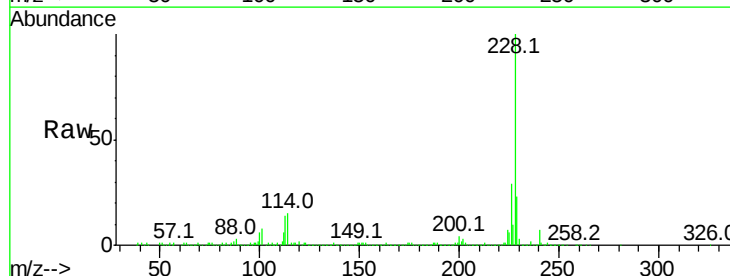
Instrument :
BNA_F
ClientSampleId :

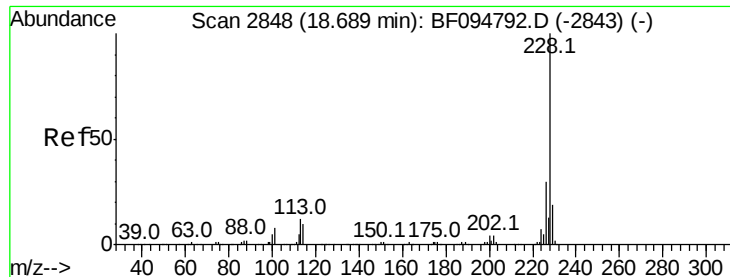
Tot Ion	Ratio	Lower	Upper
149	100		
91	67.8	45.0	67.4
206	18.5	17.0	25.6



#80
Benzo(a)anthracene
Concen: 48.82 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	23.3	16.3	24.5





#82

Chrysene

Concen: 45.58 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

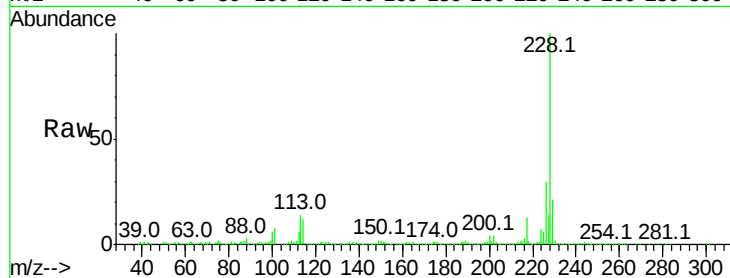
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 535060

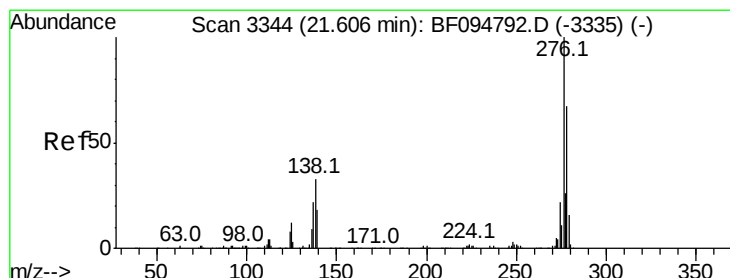
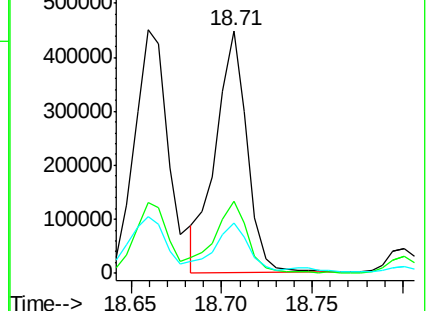
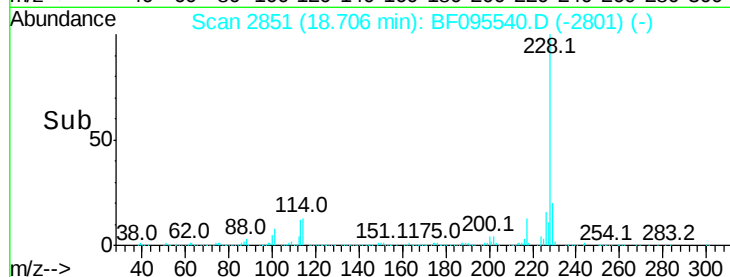
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	20.5	15.8	23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 22.55 ng

RT: 21.68 min Scan# 3357

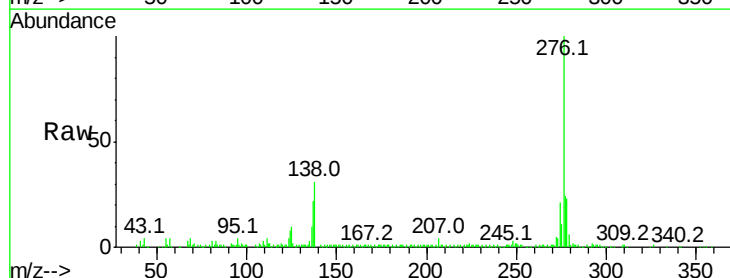
Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Tgt Ion:276 Resp: 214962

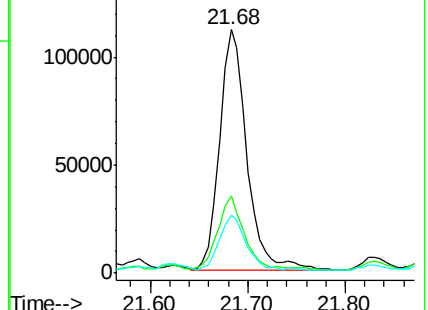
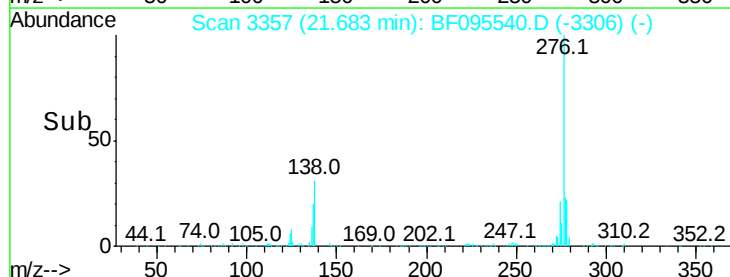
Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	21.8	20.2	30.4

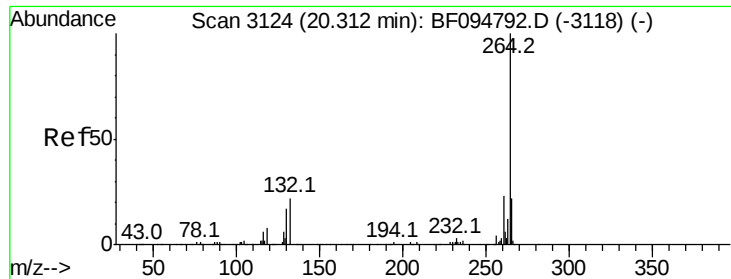


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

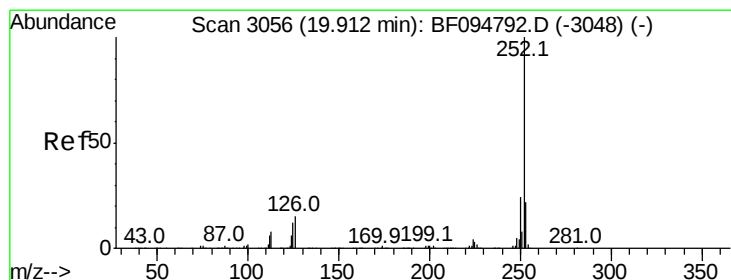
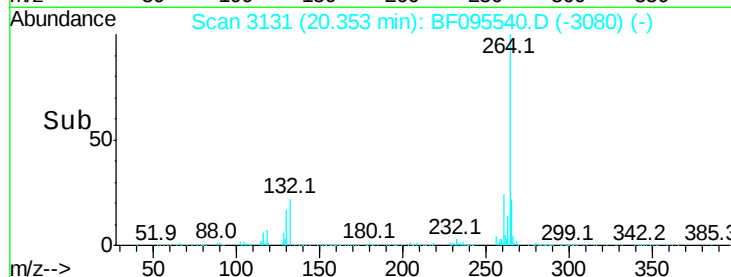
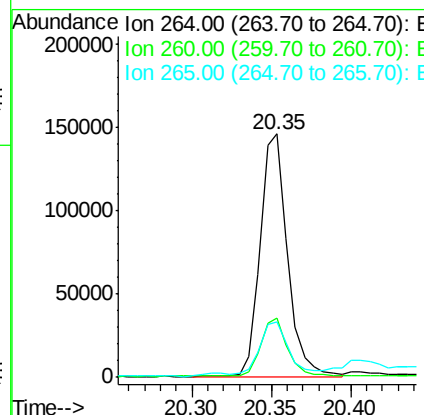
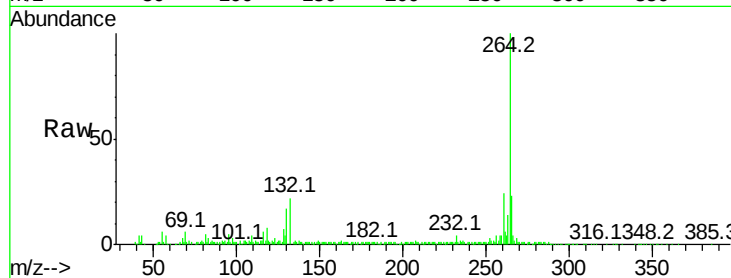




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

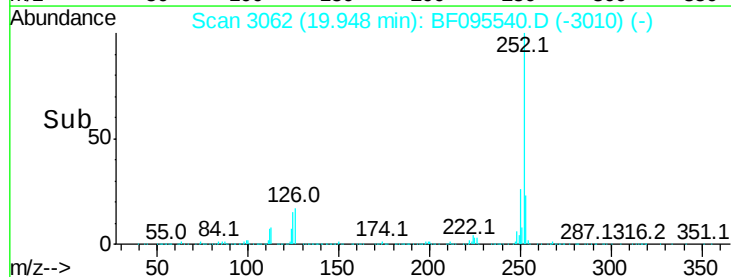
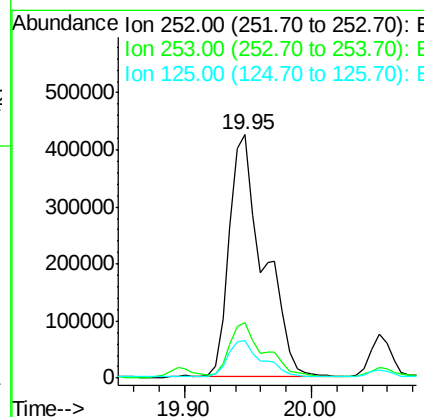
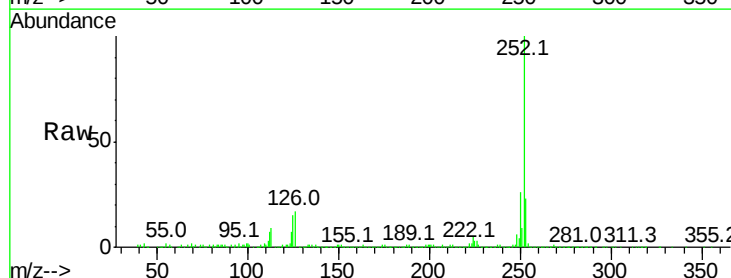
Instrument :
BNA_F
ClientSampleId :

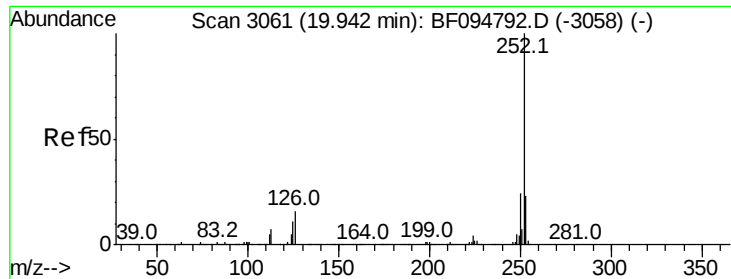
Tot Ion:264 Resp: 175632
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 73.47 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095540.D
Acq: 30 May 2017 17:44

Tgt Ion:252 Resp: 797343
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 15.4 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 76.17 ng

RT: 19.95 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

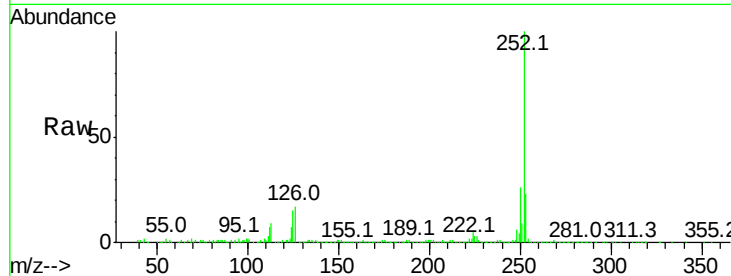
Tot Ion:252 Resp: 797343

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

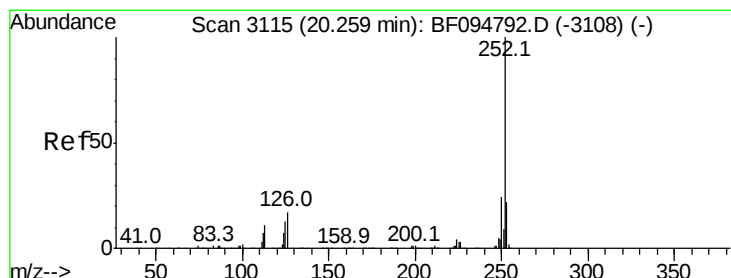
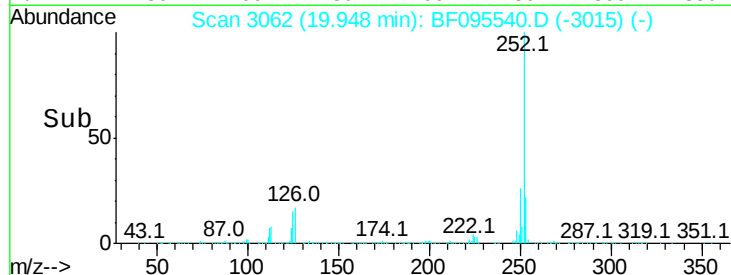
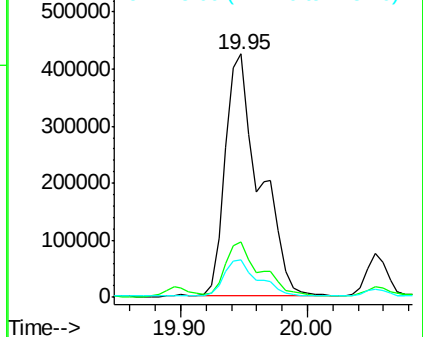
125 15.4 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 41.07 ng

RT: 20.29 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

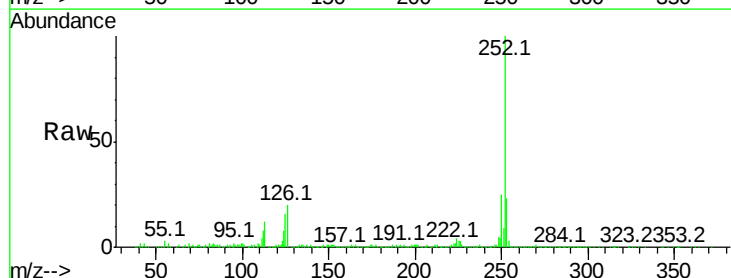
Tgt Ion:252 Resp: 411324

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

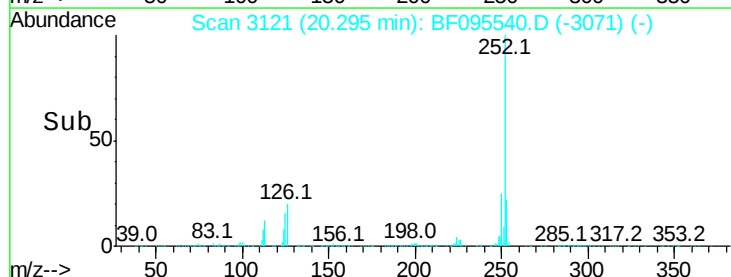
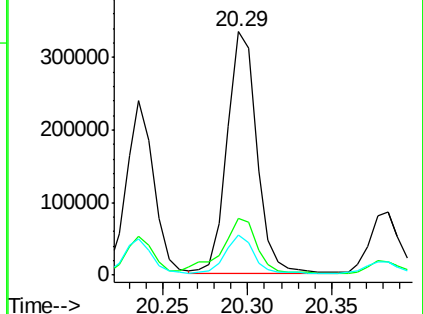
125 16.4 11.0 16.4

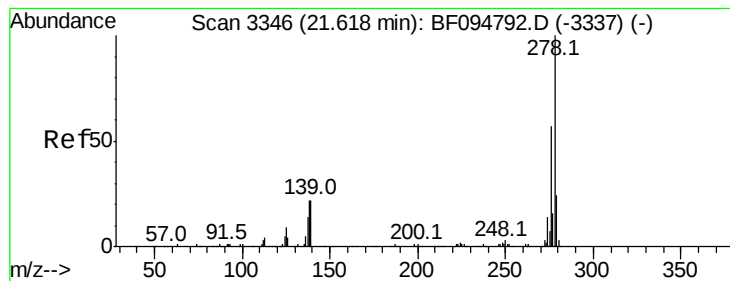


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.03 ng

RT: 21.83 min Scan# 3382

Delta R.T. 0.15 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

Instrument :

BNA_F

ClientSampleId :

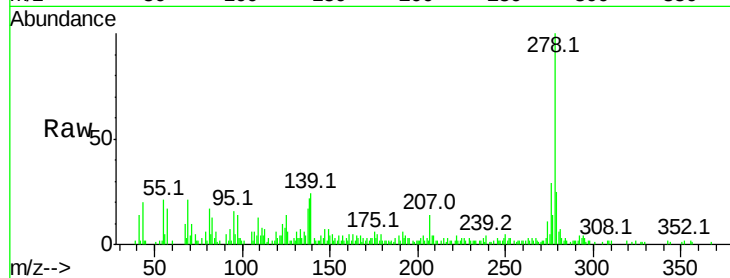
Tot Ion:278 Resp: 41573

Ion Ratio Lower Upper

278 100

139 24.4 16.6 24.8

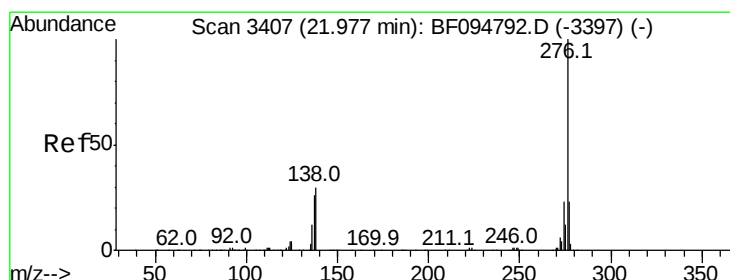
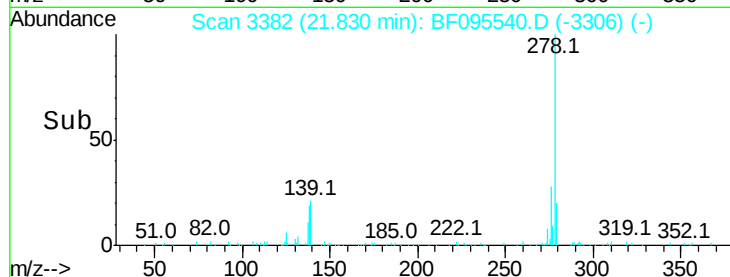
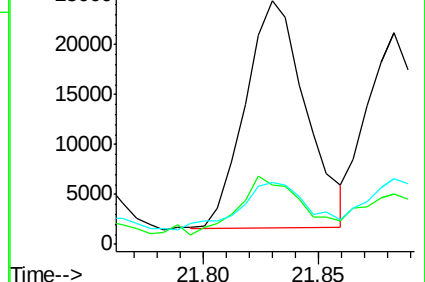
279 25.4 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 23.91 ng

RT: 22.07 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BF095540.D

Acq: 30 May 2017 17:44

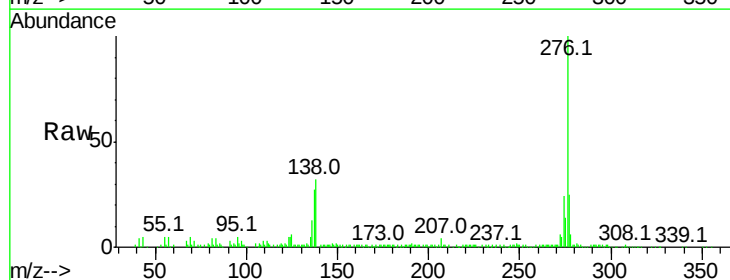
Tgt Ion:276 Resp: 194094

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 32.1 25.4 38.0



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

