

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095942.D
 Acq On : 15 Jun 2017 1:41
 Operator : SJ/MA
 Sample : I3664-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 03:59:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	66930	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	260261	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	107321	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	164793	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	136080	20.00	ng	-0.05
86) Perylene-d12	19.97	264	96640	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	387514	92.26	ng	-0.05
7) Phenol-d6	6.90	99	599455	119.21	ng	-0.05
23) Nitrobenzene-d5	8.26	82	343352	81.93	ng	-0.06
41) 2,4,6-Tribromophenol	13.49	330	50427	53.11	ng	-0.06
44) 2-Fluorobiphenyl	11.15	172	633271	82.11	ng	-0.07
78) Terphenyl-d14	16.96	244	419037	76.42	ng	-0.06

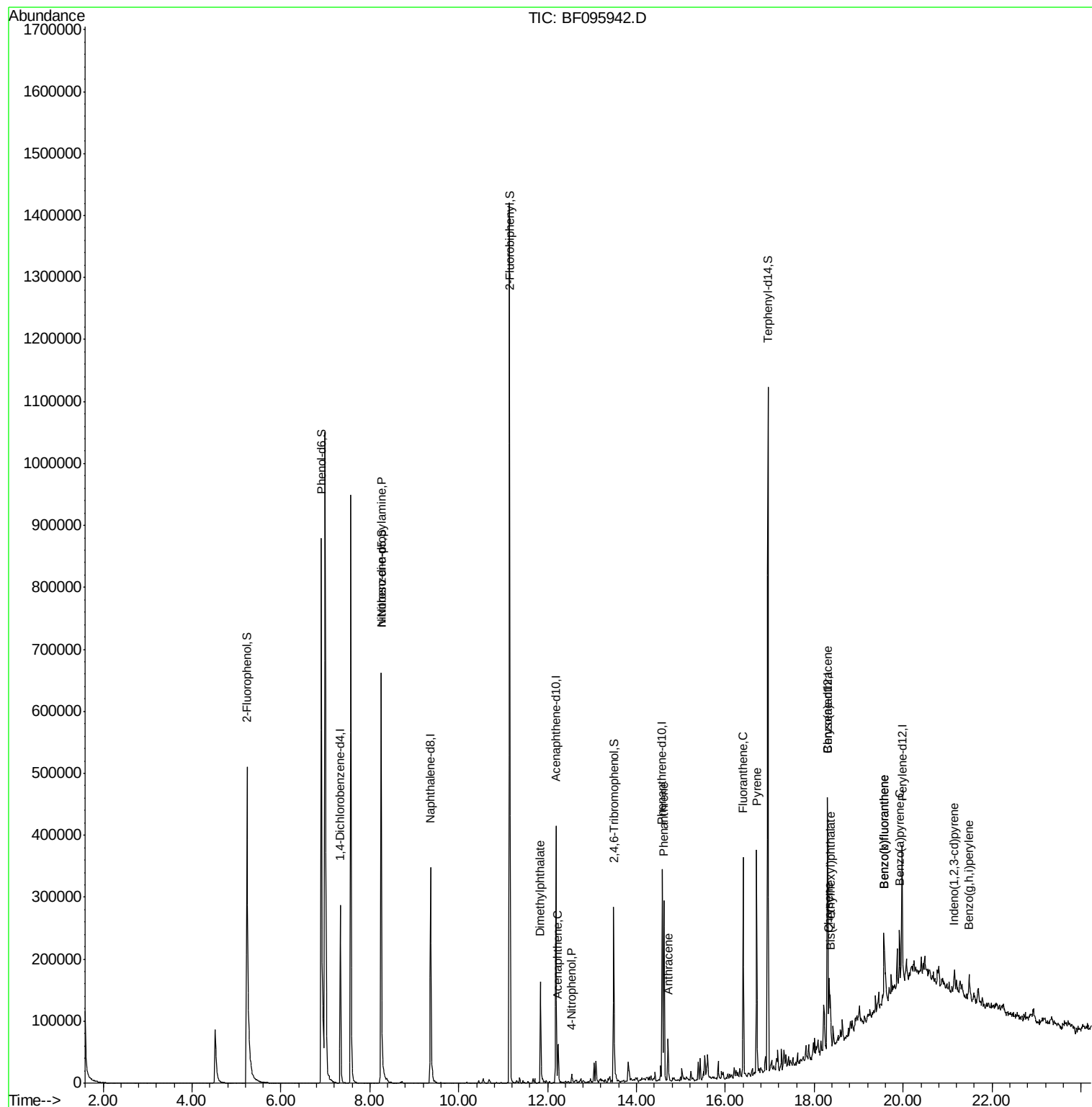
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.26	70	42596	13.37	ng	# 75
49) Dimethylphthalate	11.84	163	99520	12.21	ng	98
51) Acenaphthene	12.24	154	16063	2.35	ng	94
55) 4-Nitrophenol	12.54	139	4349	8.02	ng	# 25
70) Phenanthrene	14.62	178	162359	17.08	ng	96
71) Anthracene	14.71	178	41226	4.15	ng	94
74) Fluoranthene	16.40	202	188400	20.02	ng	98
77) Pyrene	16.70	202	159587	15.72	ng	# 96
80) Benzo(a)anthracene	18.29	228	67570	8.54	ng	96
82) Chrysene	18.33	228	60391	7.64	ng	96
83) Bis(2-ethylhexyl)phthalate	18.36	149	34082	5.45	ng	# 97
85) Indeno(1,2,3-cd)pyrene	21.15	276	21379	3.16	ng	89
87) Benzo(b)fluoranthene	19.57	252	59264	9.79	ng	# 96
88) Benzo(k)fluoranthene	19.57	252	59264	10.25	ng	99
89) Benzo(a)pyrene	19.92	252	38290	6.88	ng	# 90
91) Benzo(g,h,i)perylene	21.49	276	19828	4.12	ng	94

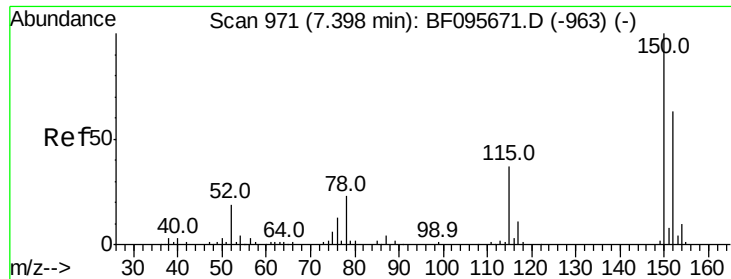
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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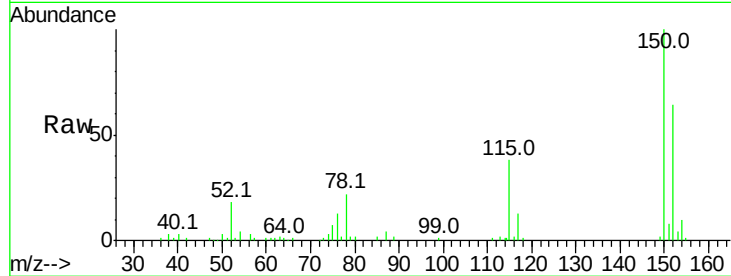


#1

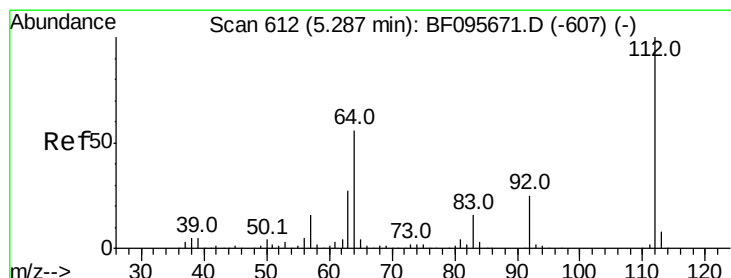
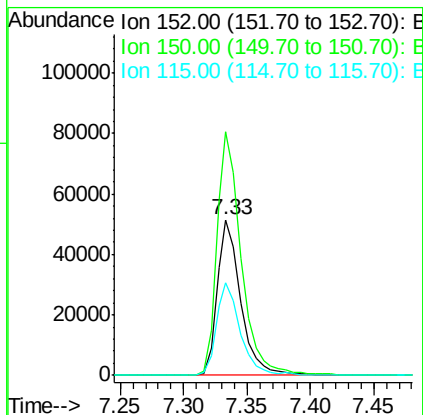
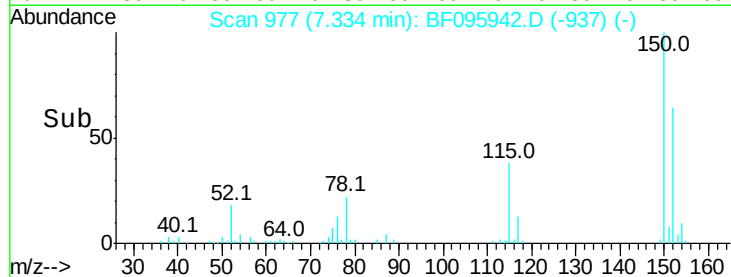
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095942.D
Acq: 15 Jun 2017 1:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 66930
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 59.3 52.2 78.2



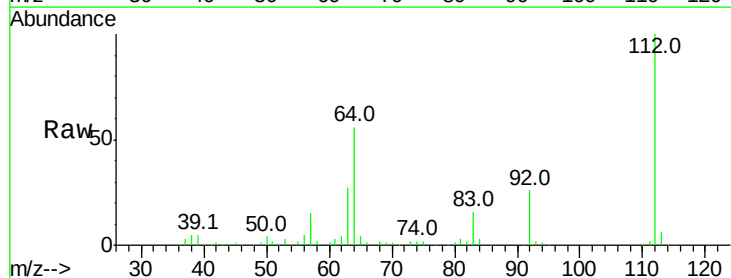
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



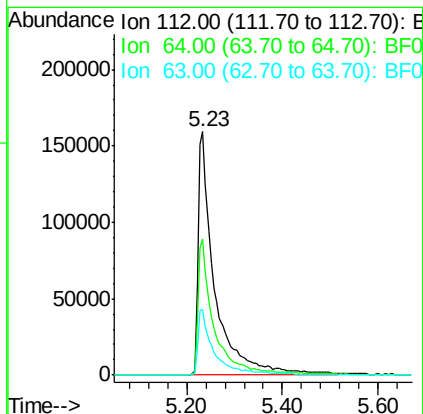
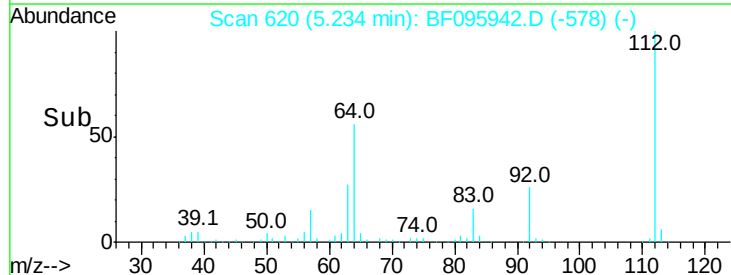
#5

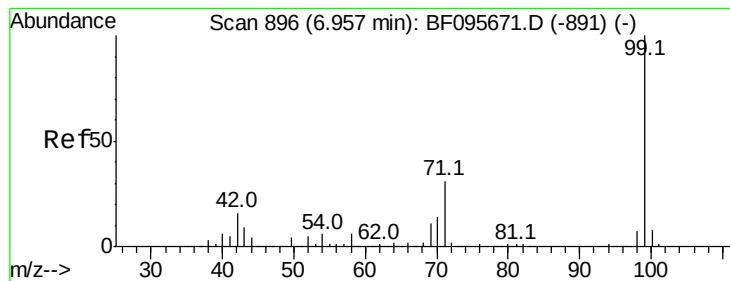
2-Fluorophenol
Concen: 92.26 ng
RT: 5.23 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF095942.D
Acq: 15 Jun 2017 1:41

Tgt Ion:112 Resp: 387514
Ion Ratio Lower Upper
112 100
64 55.9 46.0 69.0
63 26.8 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: 119.21 ng

RT: 6.90 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampled :

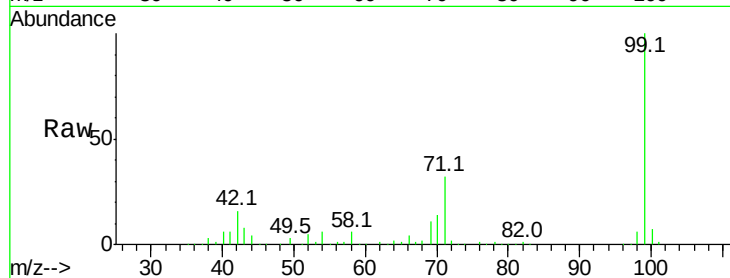
Tot Ion: 99 Resp: 599455

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

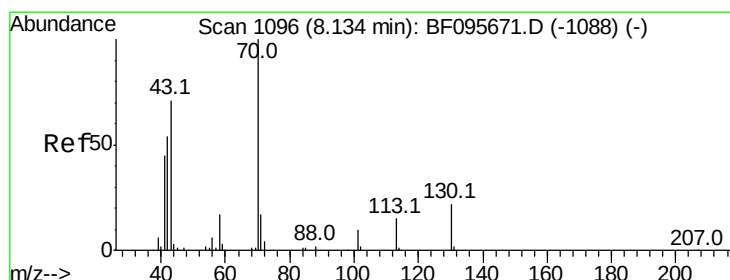
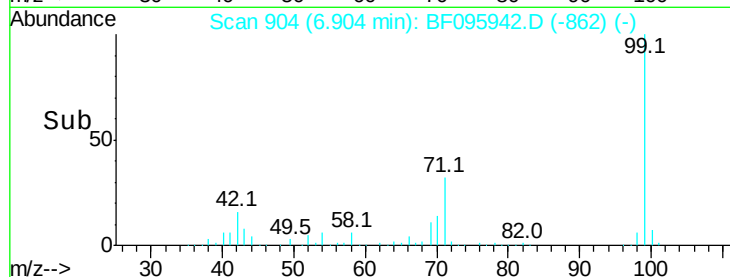
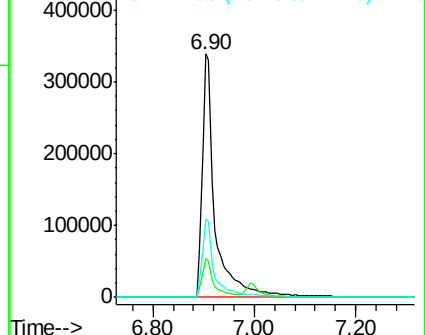
71 32.0 24.5 36.7



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: 13.37 ng

RT: 8.26 min Scan# 1134

Delta R.T. 0.12 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Tgt Ion: 70 Resp: 42596

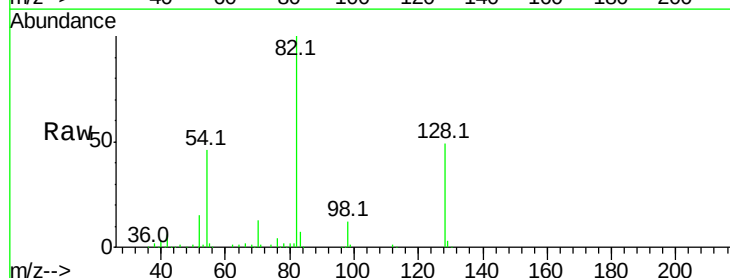
Ion Ratio Lower Upper

70 100

42 43.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

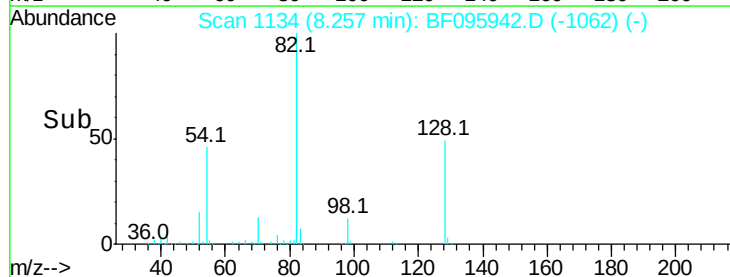
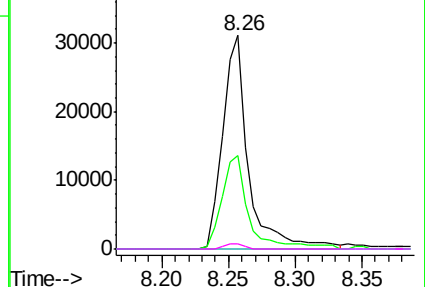


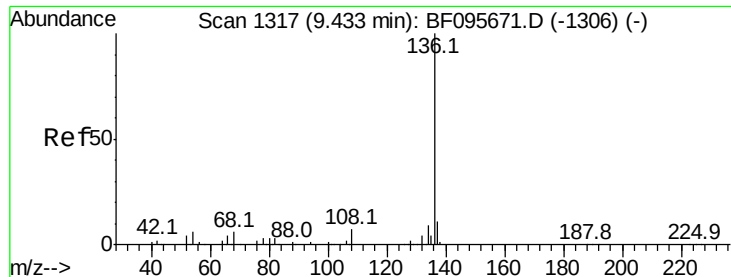
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 260261

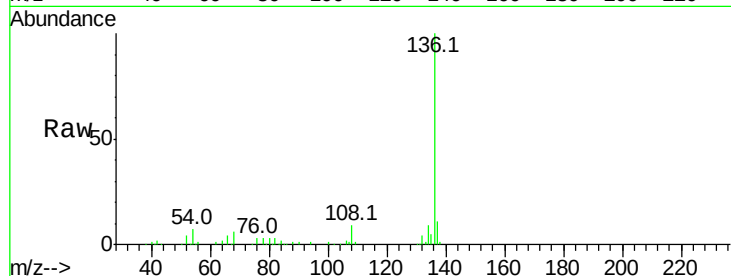
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.9 4.9 7.3

68 5.6 4.1 6.1

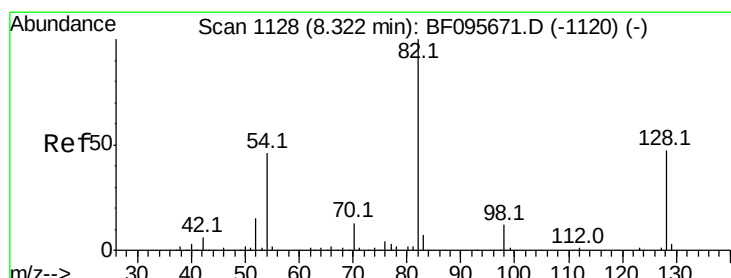
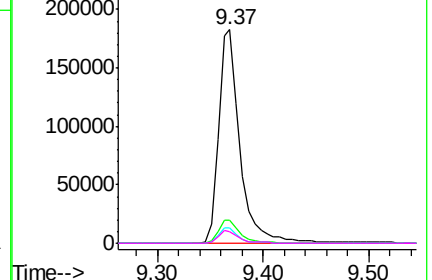
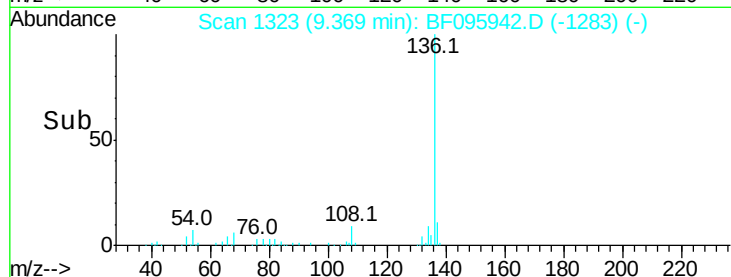


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.93 ng

RT: 8.26 min Scan# 1134

Delta R.T. -0.06 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

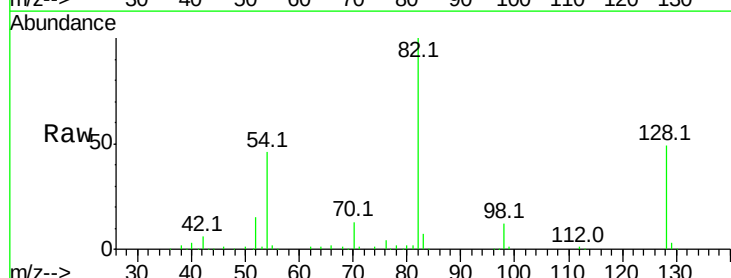
Tgt Ion: 82 Resp: 343352

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

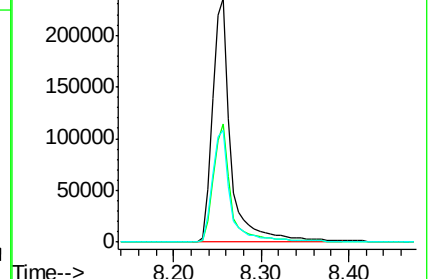
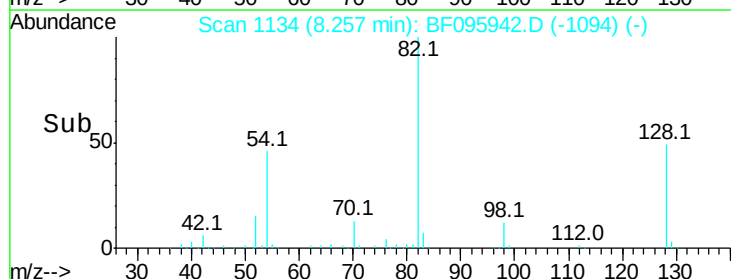
54 45.7 42.2 63.2

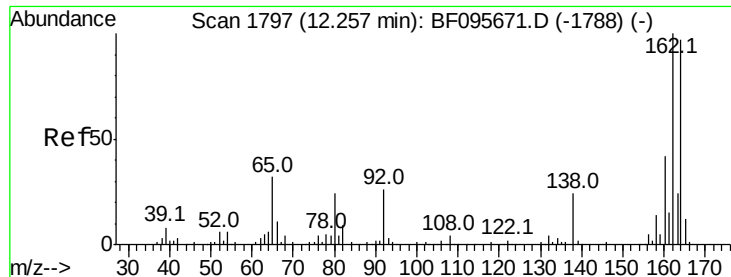


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

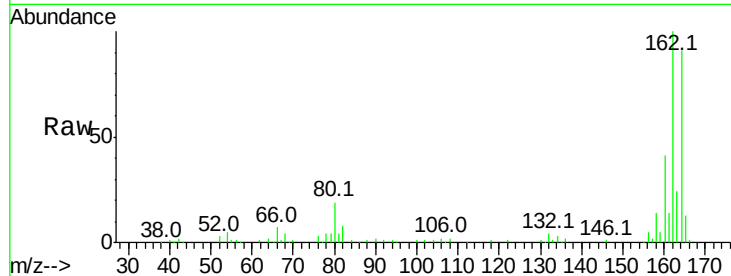




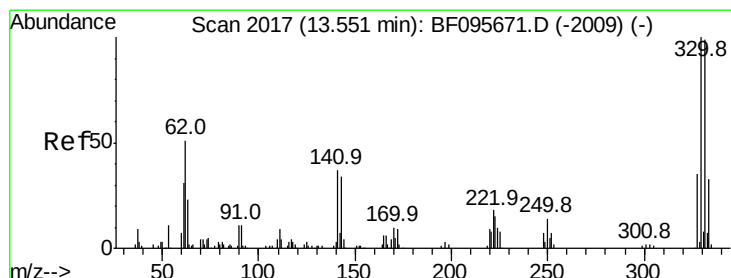
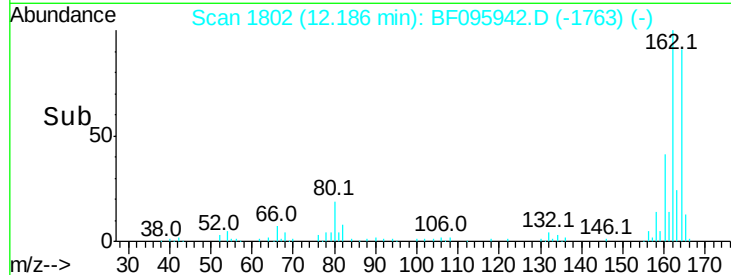
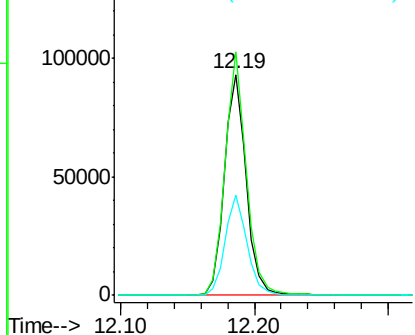
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.19 min Scan# 1802
 Delta R.T. -0.07 min
 Lab File: BF095942.D
 Acq: 15 Jun 2017 1:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 107321
 Ion Ratio Lower Upper
 164 100
 162 110.3 82.6 123.8
 160 45.4 36.2 54.2

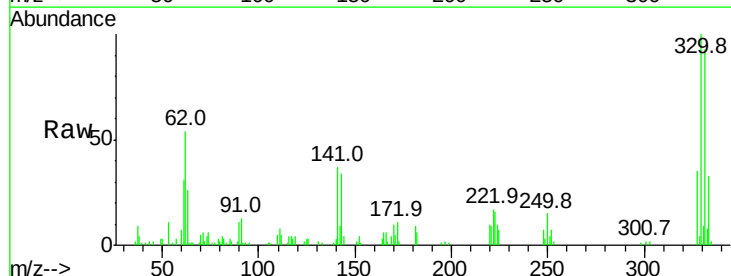


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

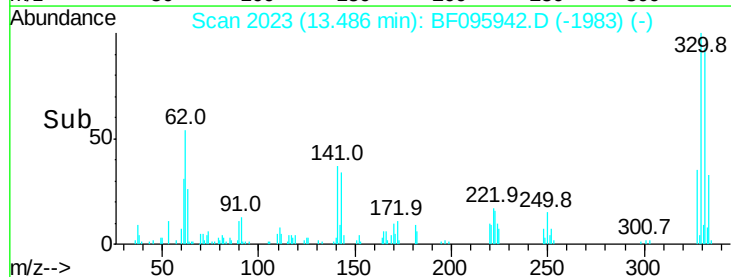
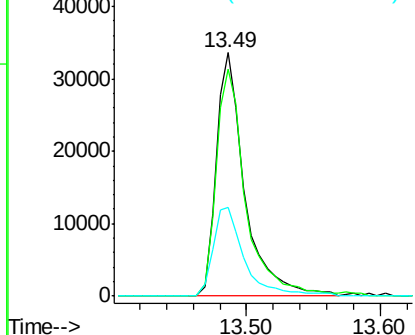


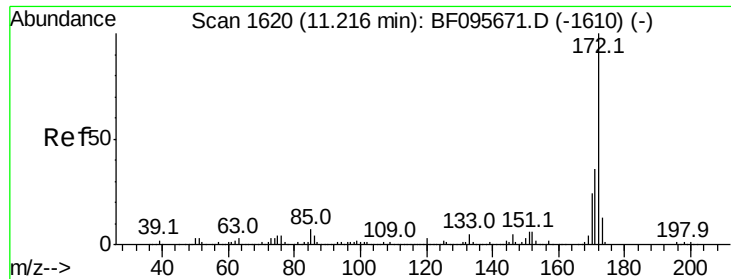
#41
 2,4,6-Tribromophenol
 Concen: 53.11 ng
 RT: 13.49 min Scan# 2023
 Delta R.T. -0.06 min
 Lab File: BF095942.D
 Acq: 15 Jun 2017 1:41

Tgt Ion:330 Resp: 50427
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 40.0 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

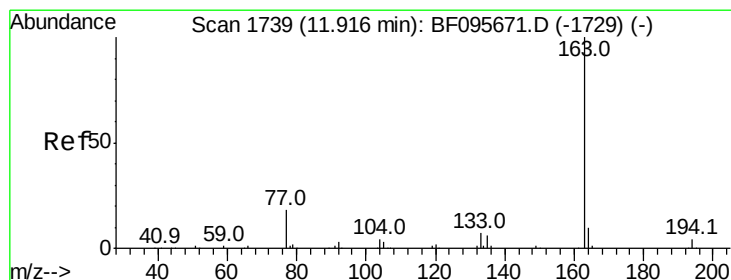
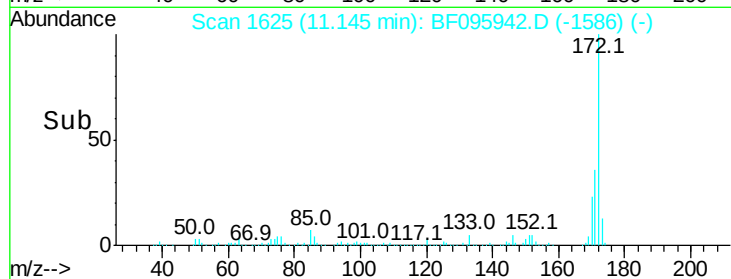
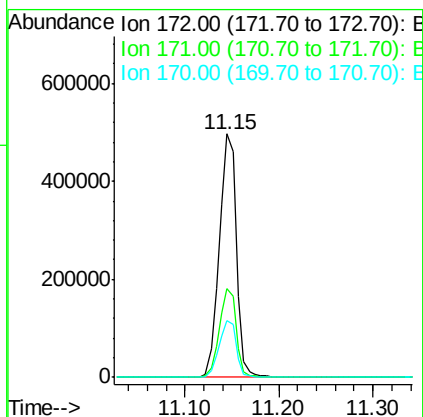
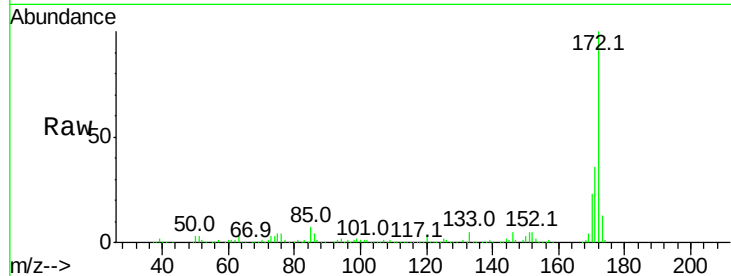




#44
2-Fluorobiphenyl
Concen: 82.11 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095942.D
Acq: 15 Jun 2017 1:41

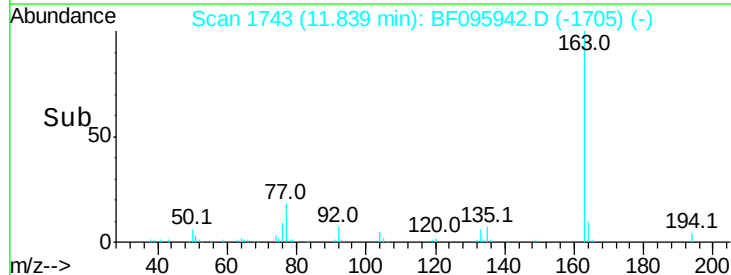
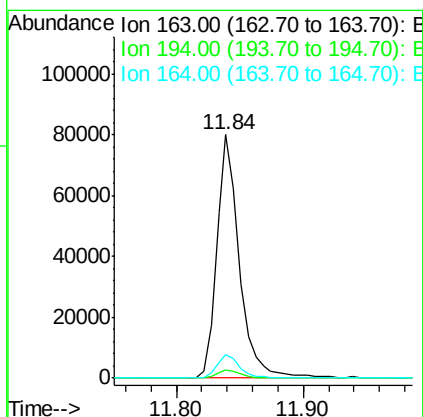
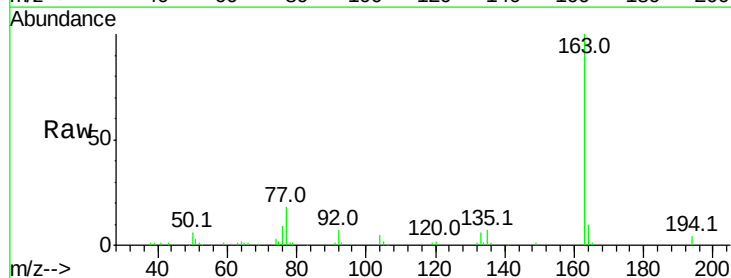
Instrument :
BNA_F
ClientSampleId :

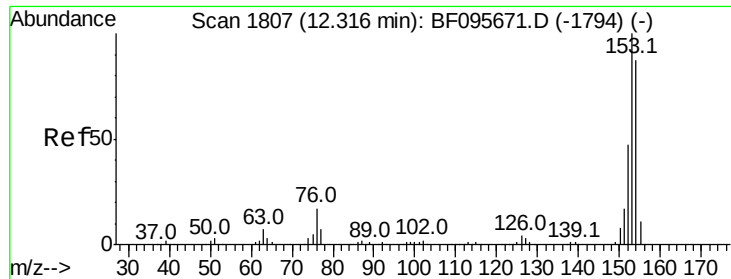
Tot Ion:172 Resp: 633271
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 12.21 ng
RT: 11.84 min Scan# 1743
Delta R.T. -0.08 min
Lab File: BF095942.D
Acq: 15 Jun 2017 1:41

Tgt Ion:163 Resp: 99520
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.5 8.4 12.6





#51

Acenaphthene

Concen: 2.35 ng

RT: 12.24 min Scan# 1811

Delta R.T. -0.08 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampleId :

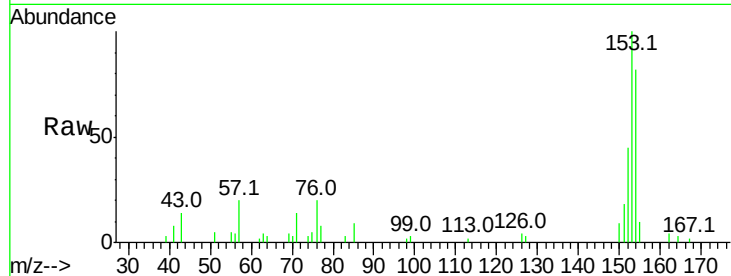
Tot Ion:154 Resp: 16063

Ion Ratio Lower Upper

154 100

153 121.8 90.5 135.7

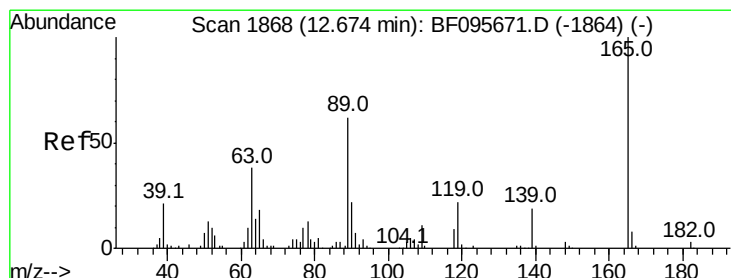
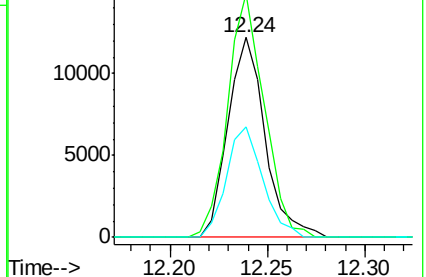
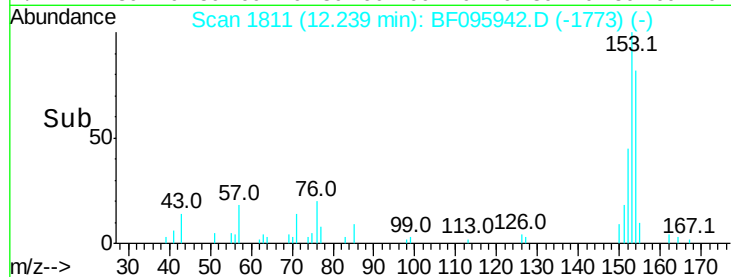
152 55.2 43.6 65.4



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



#55

4-Nitrophenol

Concen: 8.02 ng

RT: 12.54 min Scan# 1862

Delta R.T. -0.13 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

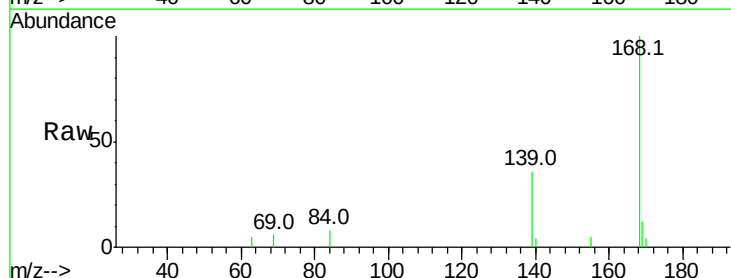
Tgt Ion:139 Resp: 4349

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

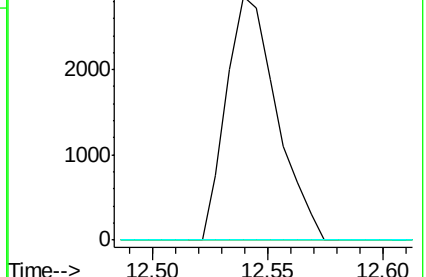
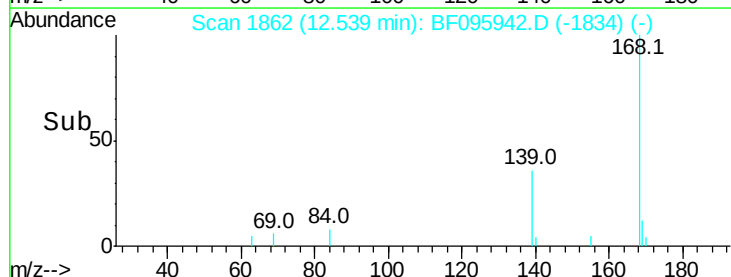
65 0.0 31.4 71.4#

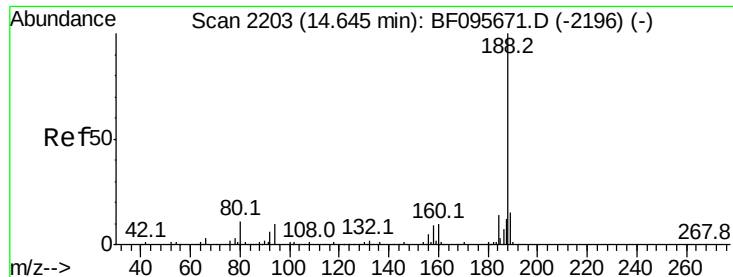


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

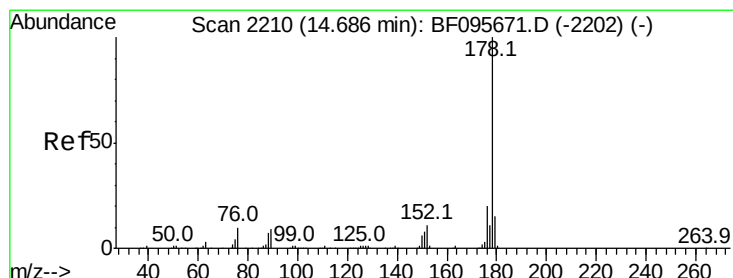
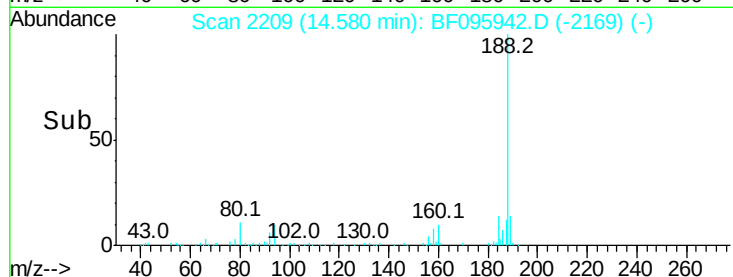
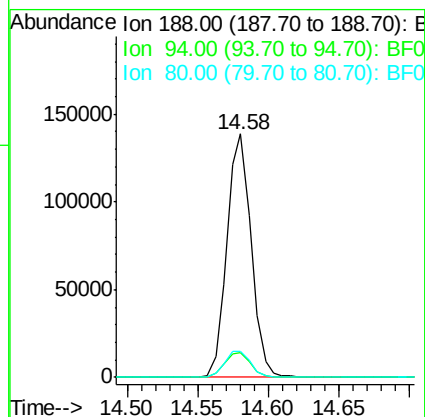
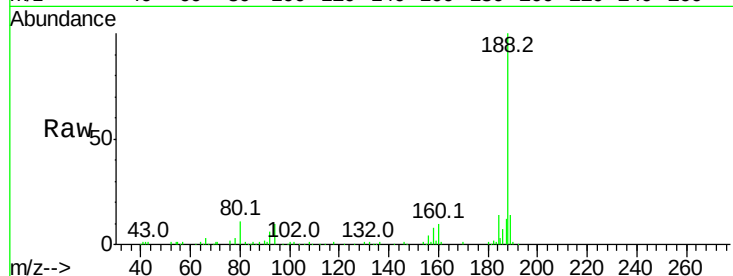




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095942.D
Acq: 15 Jun 2017 1:41

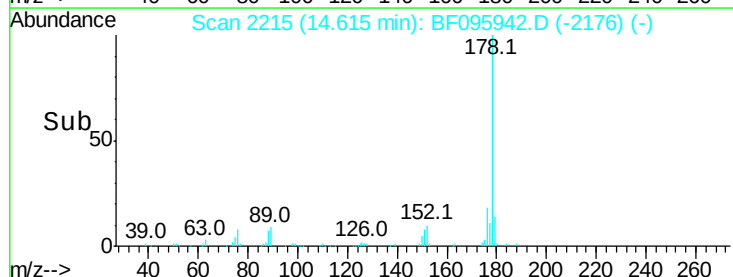
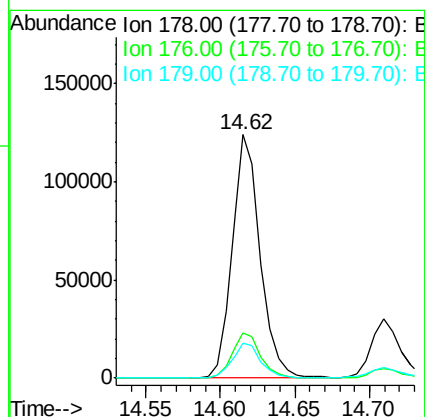
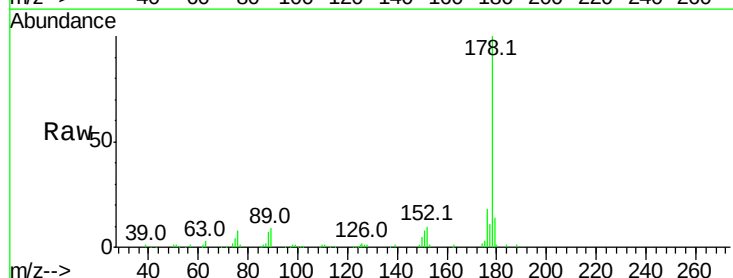
Instrument :
BNA_F
ClientSampleId :

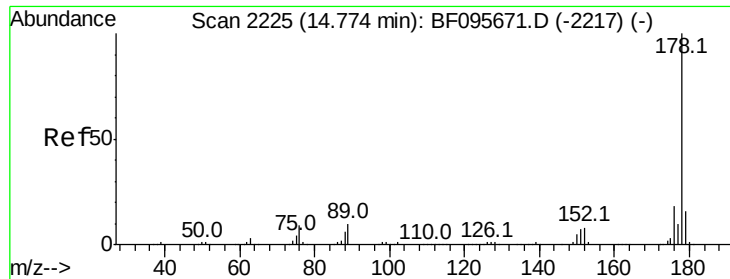
Tot Ion:188 Resp: 164793
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.9 10.2 15.2



#70
Phenanthrene
Concen: 17.08 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.07 min
Lab File: BF095942.D
Acq: 15 Jun 2017 1:41

Tgt Ion:178 Resp: 162359
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 14.4 12.6 19.0

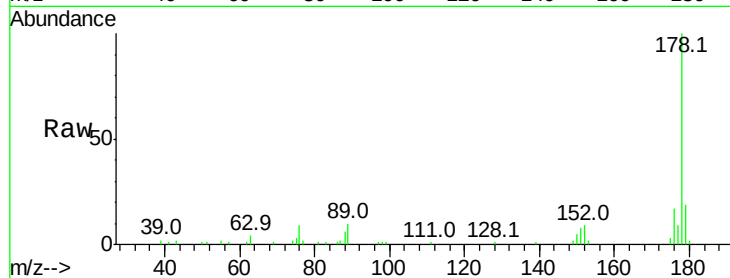




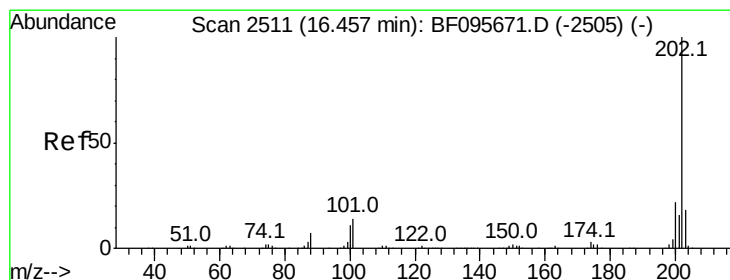
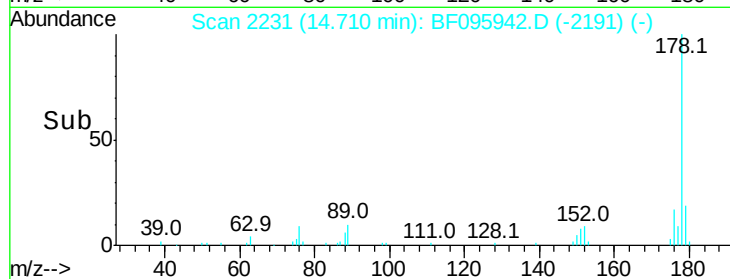
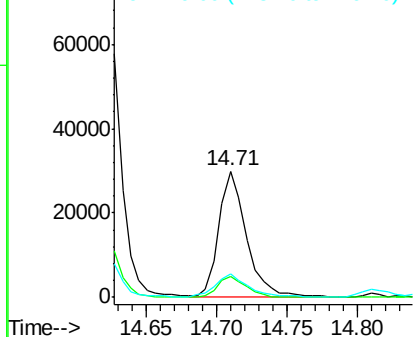
#71
 Anthracene
 Concen: 4.15 ng
 RT: 14.71 min Scan# 2231
 Delta R.T. -0.06 min
 Lab File: BF095942.D
 Acq: 15 Jun 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 41226
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.8 23.8
 179 18.8 12.7 19.1

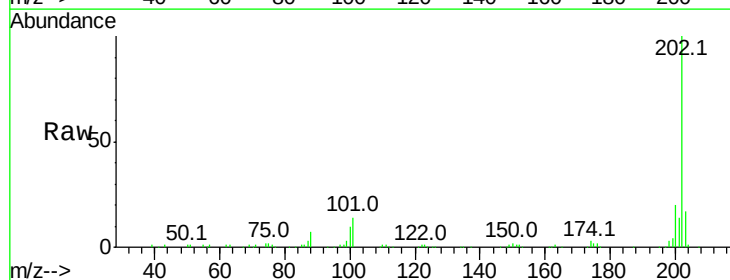


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

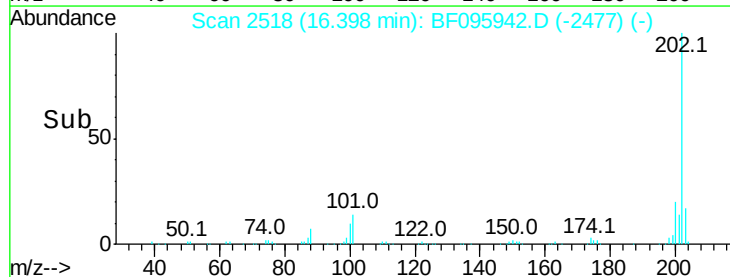
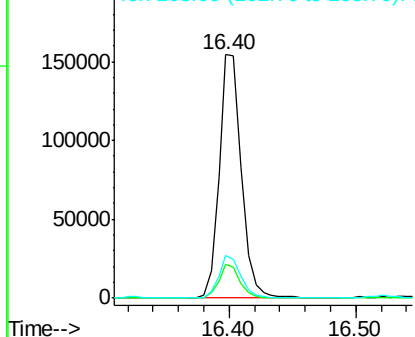


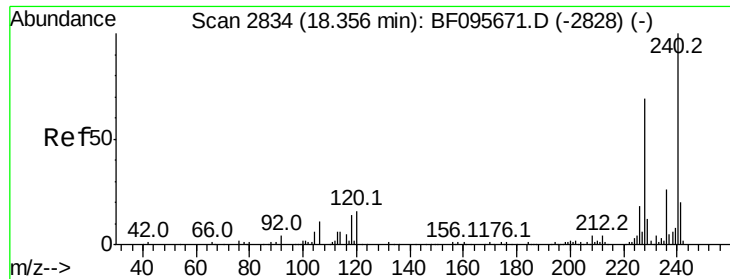
#74
 Fluoranthene
 Concen: 20.02 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095942.D
 Acq: 15 Jun 2017 1:41

Tgt Ion:202 Resp: 188400
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 33.2
 203 17.3 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.30 min Scan# 2842

Delta R.T. -0.05 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampleId :

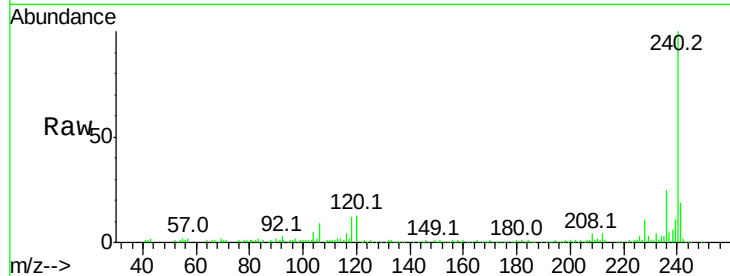
Tot Ion:240 Resp: 136080

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

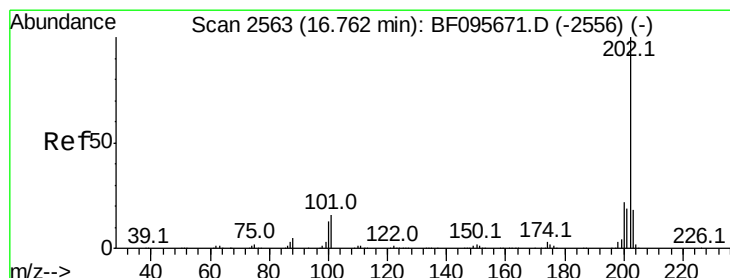
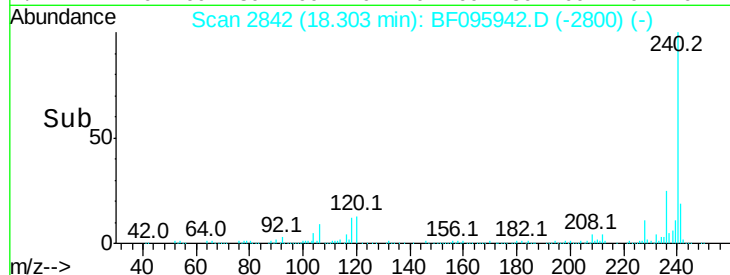
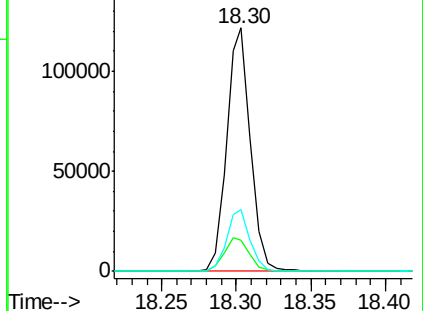
236 25.5 20.5 30.7



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



#77

Pyrene

Concen: 15.72 ng

RT: 16.70 min Scan# 2570

Delta R.T. -0.06 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

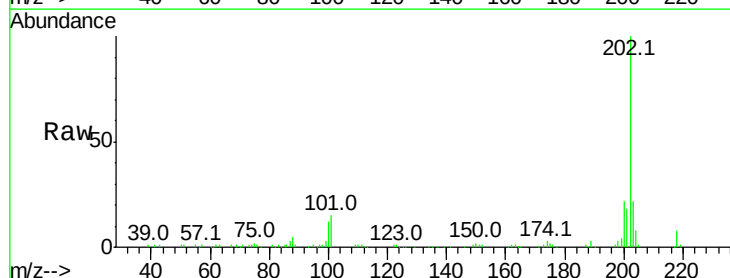
Tgt Ion:202 Resp: 159587

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

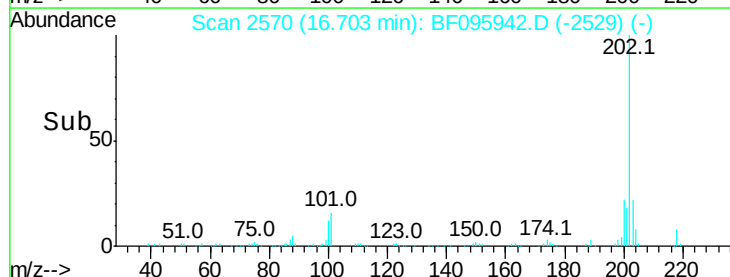
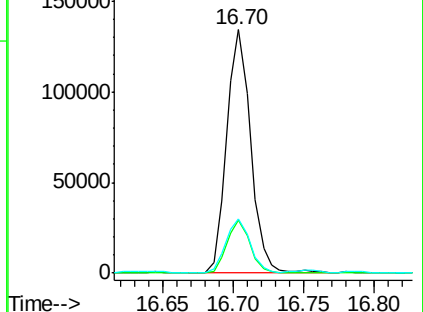
203 22.1 14.4 21.6#

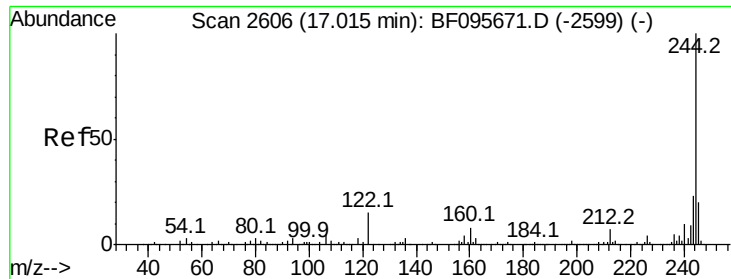


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.42 ng

RT: 16.96 min Scan# 2613

Delta R.T. -0.06 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampled :

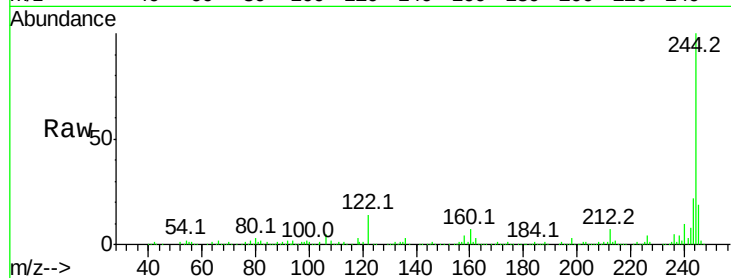
Tot Ion:244 Resp: 419037

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

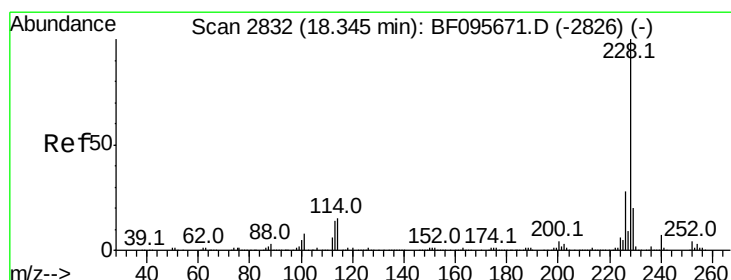
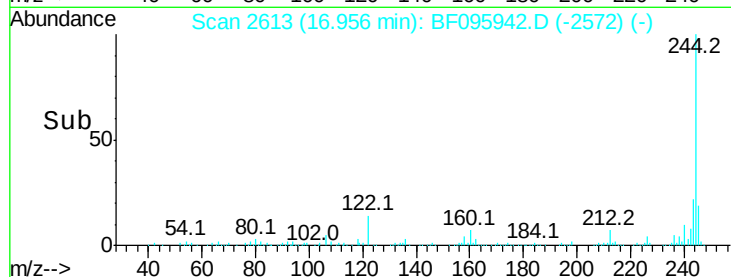
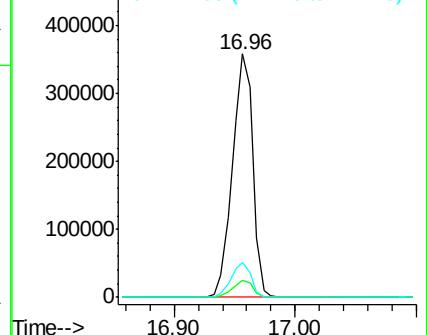
122 14.4 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 8.54 ng

RT: 18.29 min Scan# 2840

Delta R.T. -0.05 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

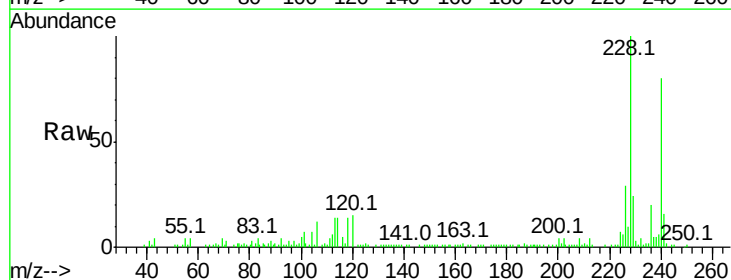
Tgt Ion:228 Resp: 67570

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

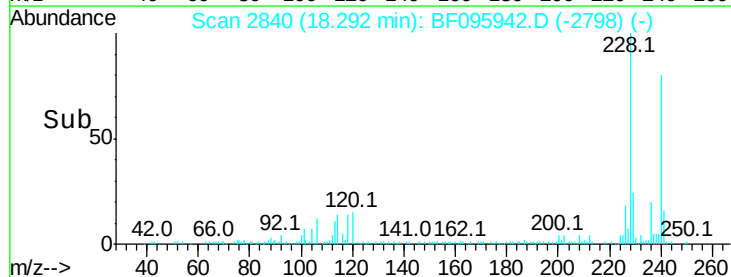
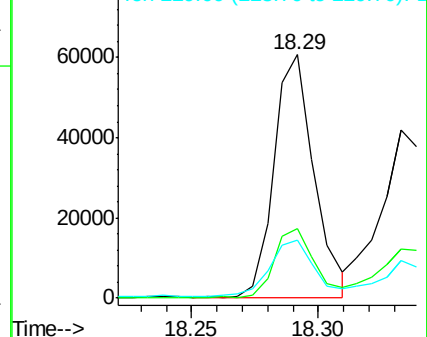
229 24.0 16.3 24.5

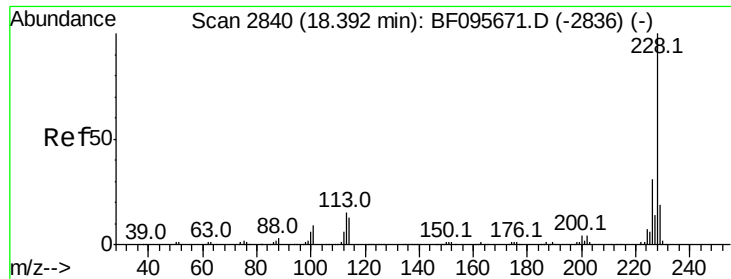


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.64 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.06 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampleId :

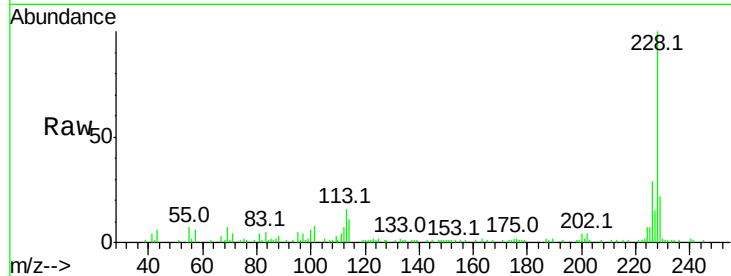
Tot Ion:228 Resp: 60391

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

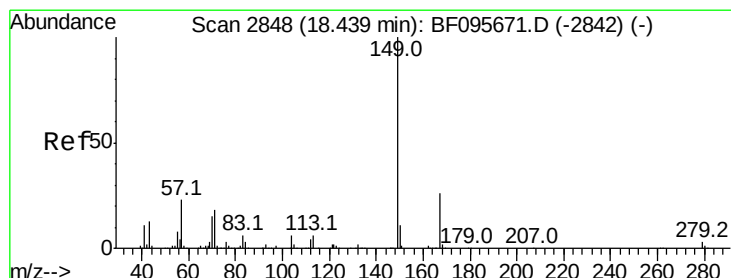
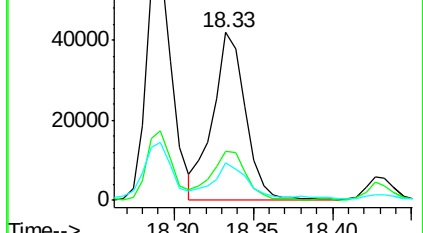
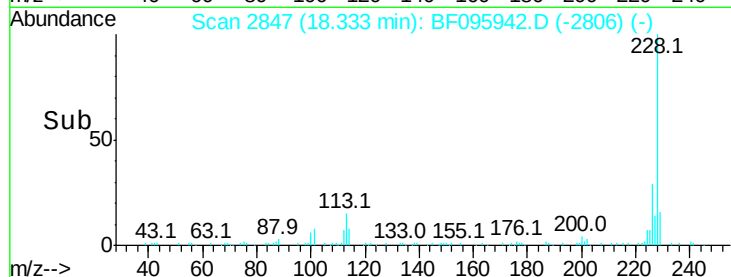
229 22.2 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.45 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.08 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

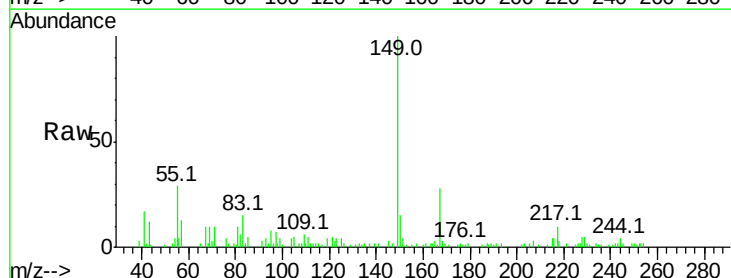
Tgt Ion:149 Resp: 34082

Ion Ratio Lower Upper

149 100

167 27.6 21.0 31.4

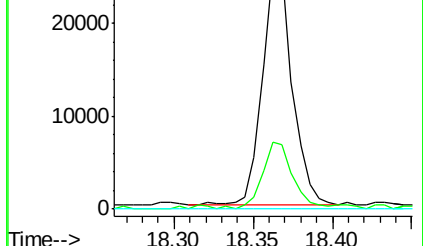
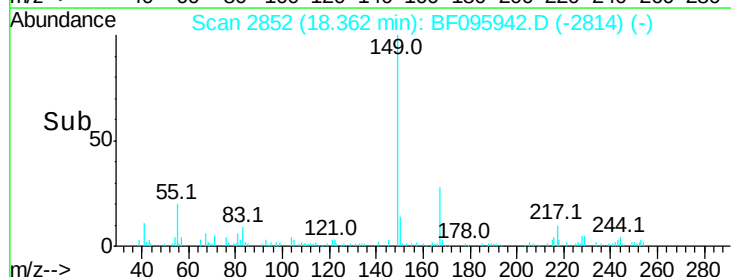
279 0.0 1.9 2.9#

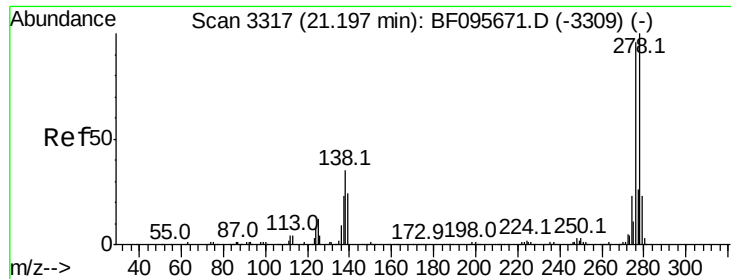


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

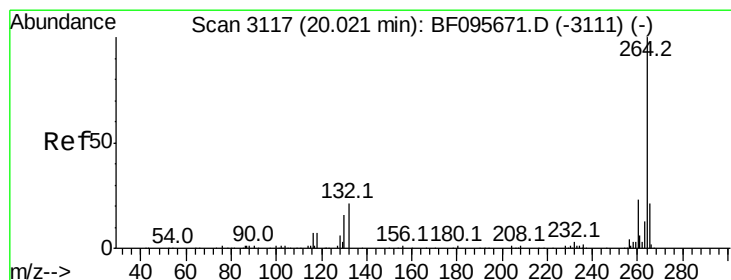
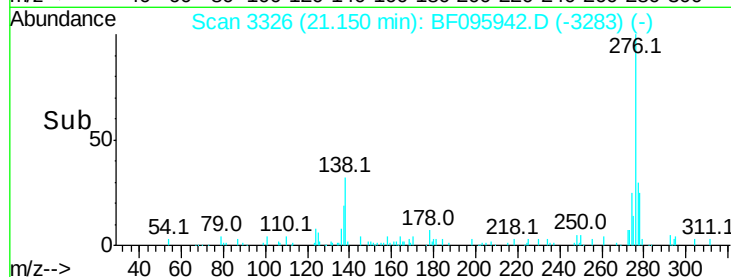
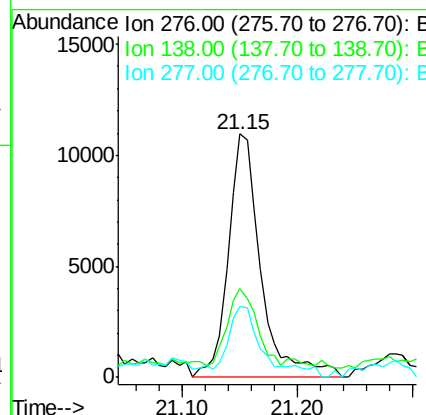
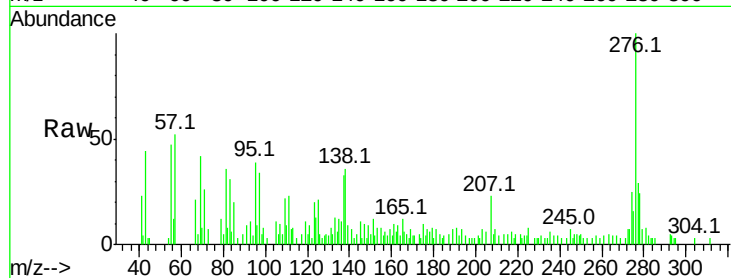




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.16 ng
 RT: 21.15 min Scan# 3326
 Delta R.T. -0.05 min
 Lab File: BF095942.D
 Acq: 15 Jun 2017 1:41

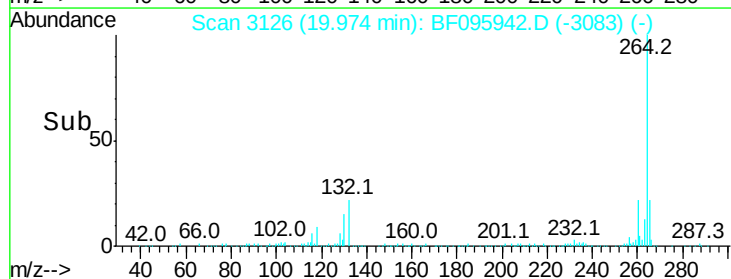
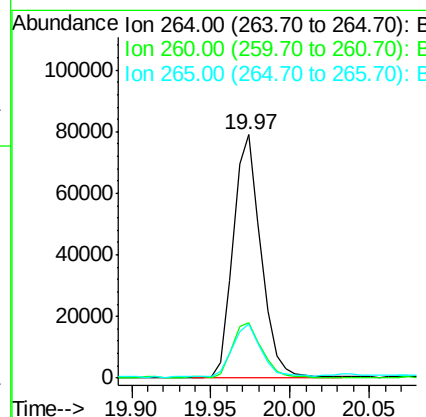
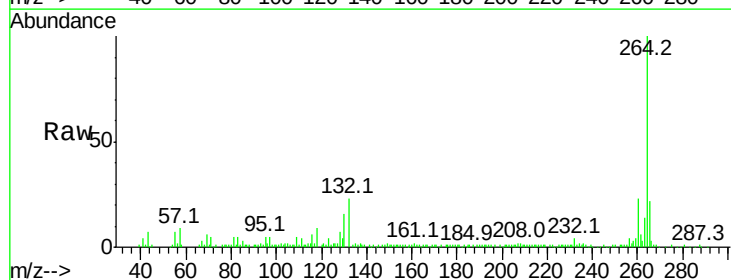
Instrument :
 BNA_F
 ClientSampled :

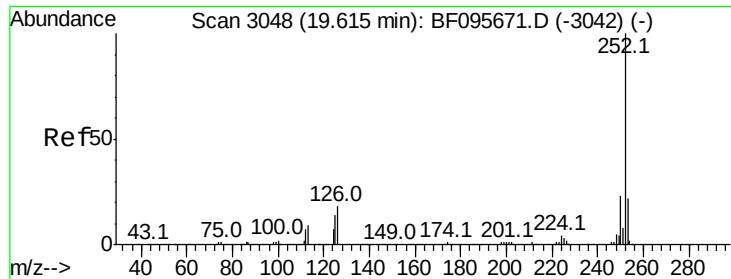
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	27.8	41.6
277	20.6	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3126
 Delta R.T. -0.05 min
 Lab File: BF095942.D
 Acq: 15 Jun 2017 1:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.79 ng

RT: 19.57 min Scan# 3057

Delta R.T. -0.05 min

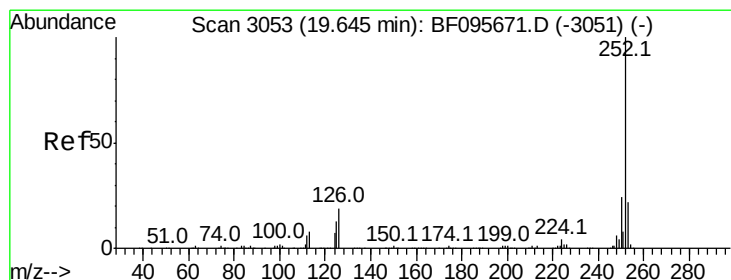
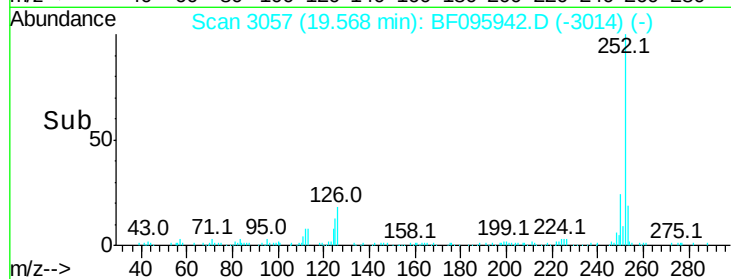
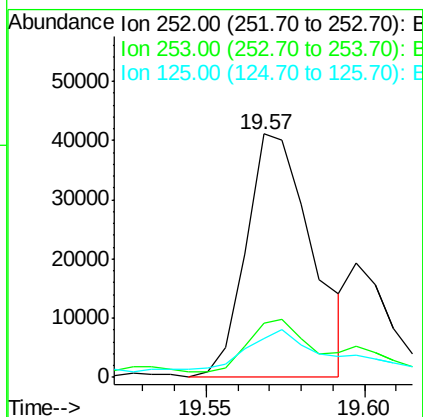
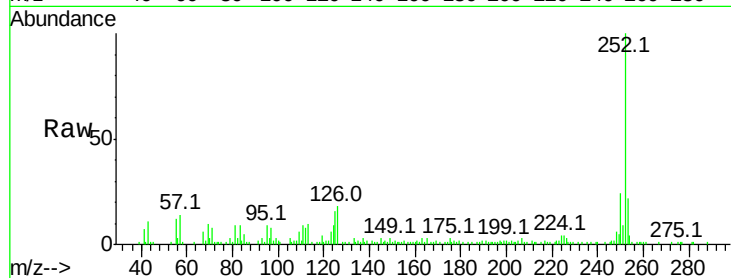
Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 59264

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	16.0	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 10.25 ng

RT: 19.57 min Scan# 3057

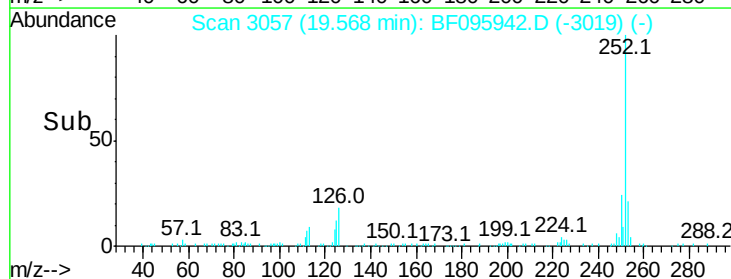
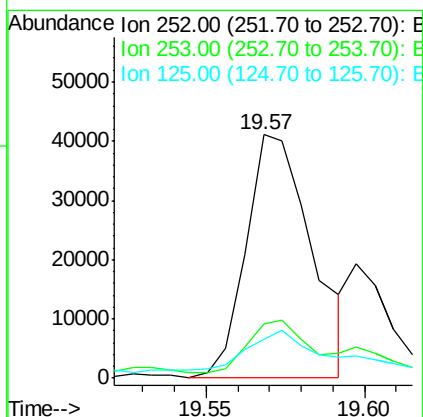
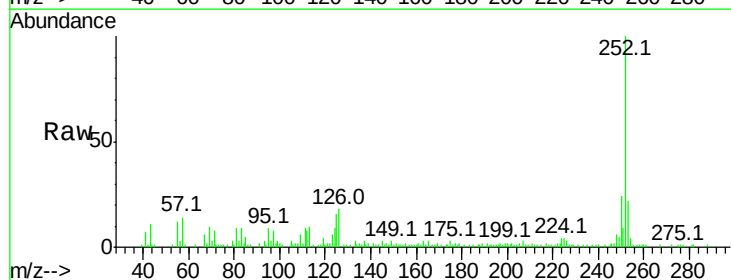
Delta R.T. -0.08 min

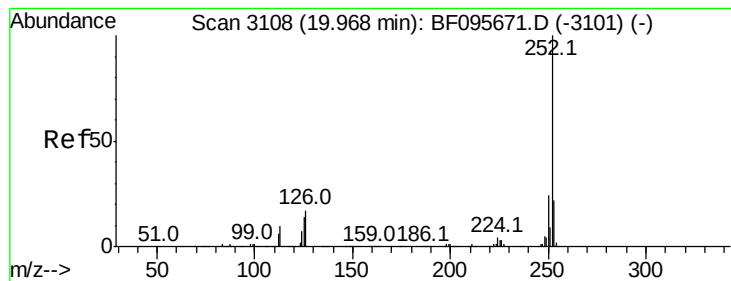
Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Tgt Ion:252 Resp: 59264

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	16.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 6.88 ng

RT: 19.92 min Scan# 3117

Delta R.T. -0.05 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

Instrument :

BNA_F

ClientSampled :

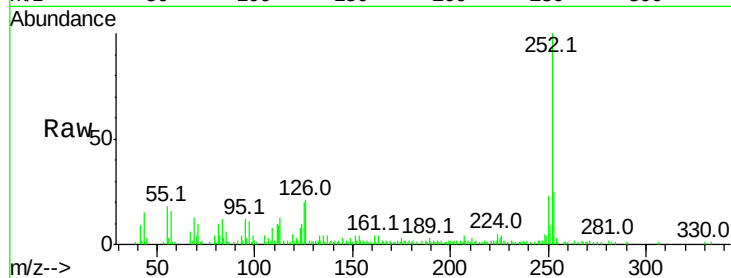
Tot Ion:252 Resp: 38290

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

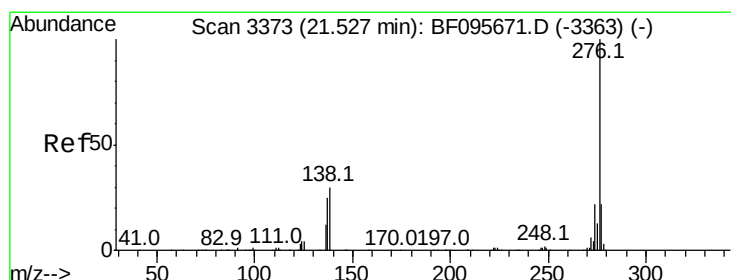
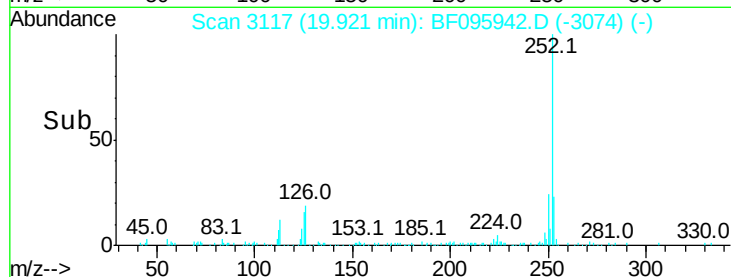
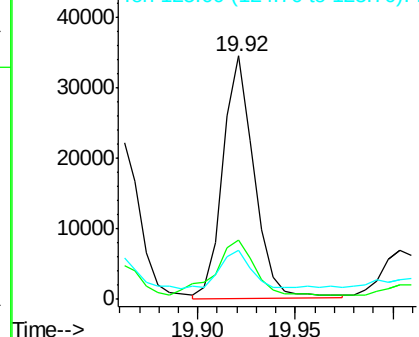
125 20.4 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 4.12 ng

RT: 21.49 min Scan# 3383

Delta R.T. -0.04 min

Lab File: BF095942.D

Acq: 15 Jun 2017 1:41

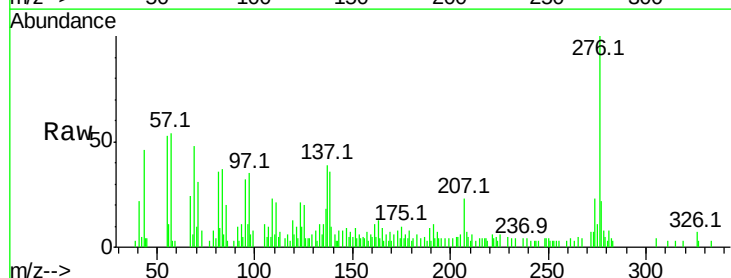
Tgt Ion:276 Resp: 19828

Ion Ratio Lower Upper

276 100

277 22.1 18.6 28.0

138 36.1 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

