

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095782.D
 Acq On : 8 Jun 2017 14:28
 Operator : SJ/MA
 Sample : I3469-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 16:50:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:19:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	70211	20.00	ng	0.00
21) Naphthalene-d8	9.40	136	283910	20.00	ng	0.00
38) Acenaphthene-d10	12.22	164	121601	20.00	ng	0.00
63) Phenanthrene-d10	14.62	188	187697	20.00	ng	0.00
75) Chrysene-d12	18.33	240	142276	20.00	ng	0.00
86) Perylene-d12	20.00	264	119568	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	552406	125.37	ng	0.00
7) Phenol-d6	6.93	99	667007	126.45	ng	0.00
23) Nitrobenzene-d5	8.29	82	382550	83.68	ng	0.00
41) 2,4,6-Tribromophenol	13.52	330	117356	109.08	ng	-0.01
44) 2-Fluorobiphenyl	11.18	172	693193	79.33	ng	0.00
78) Terphenyl-d14	16.99	244	436148	76.08	ng	0.00

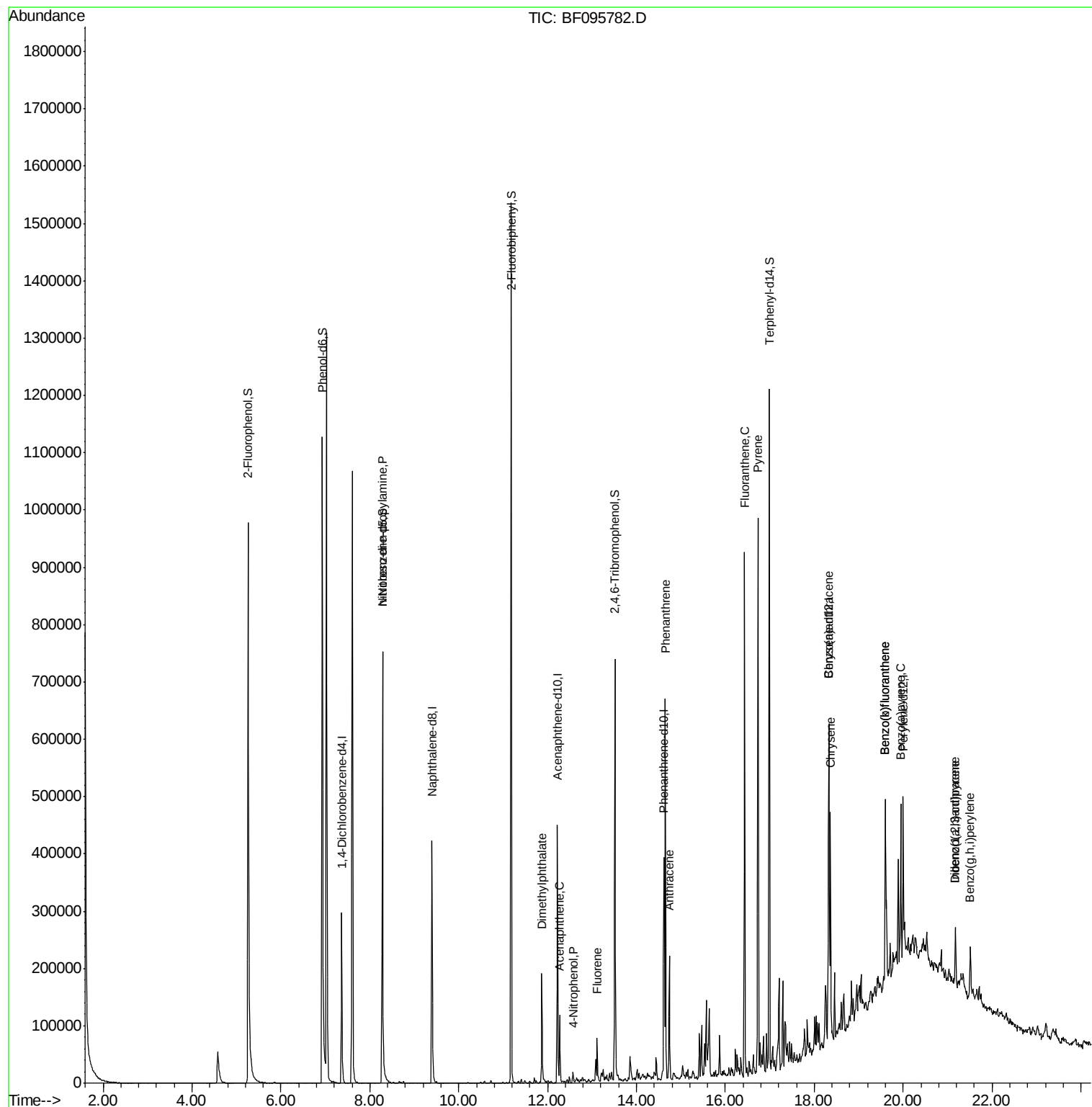
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	48232	14.43	ng	# 75
49) Dimethylphthalate	11.87	163	113503	12.29	ng	100
51) Acenaphthene	12.27	154	29739	3.85	ng	96
55) 4-Nitrophenol	12.57	139	4528	7.74	ng	# 25
57) Fluorene	13.12	166	29168	3.08	ng	96
70) Phenanthrene	14.65	178	351595	32.47	ng	98
71) Anthracene	14.74	178	123452	10.92	ng	98
74) Fluoranthene	16.43	202	438238	40.88	ng	99
77) Pyrene	16.73	202	378415	35.65	ng	# 93
80) Benzo(a)anthracene	18.32	228	174543	21.10	ng	99
82) Chrysene	18.36	228	162513	19.66	ng	99
85) Indeno(1,2,3-cd)pyrene	21.18	276	51943	7.34	ng	96
87) Benzo(b)fluoranthene	19.60	252	218937	29.24	ng	# 97
88) Benzo(k)fluoranthene	19.60	252	218937	30.59	ng	98
89) Benzo(a)pyrene	19.94	252	120841	17.56	ng	# 95
90) Dibenzo(a,h)anthracene	21.17	278	12753	2.18	ng	# 72
91) Benzo(a,h,i)perylene	21.51	276	51303	8.62	ng	99

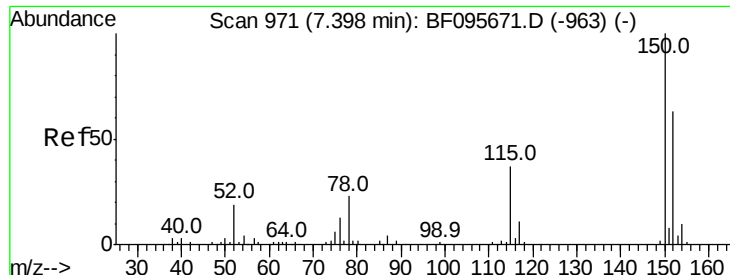
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.37 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

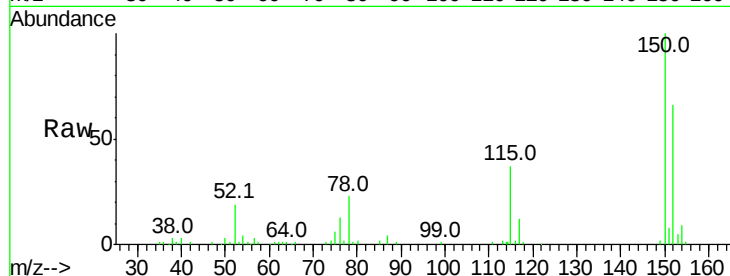
Tot Ion:152 Resp: 70211

Ion Ratio Lower Upper

152 100

150 150.4 126.2 189.2

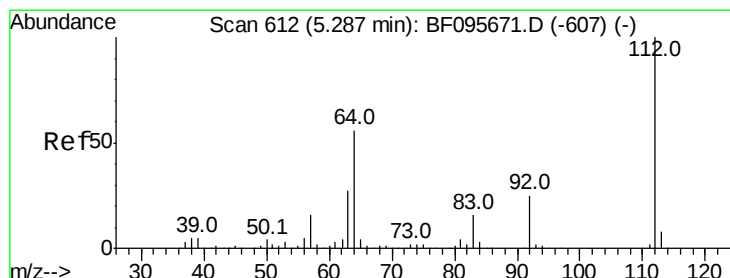
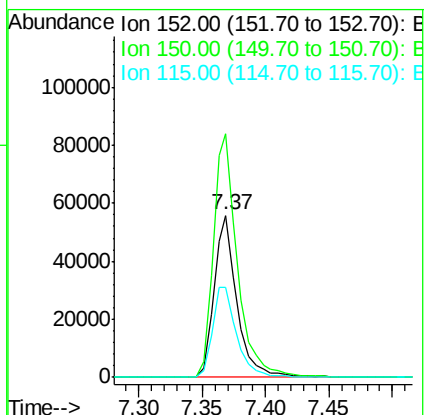
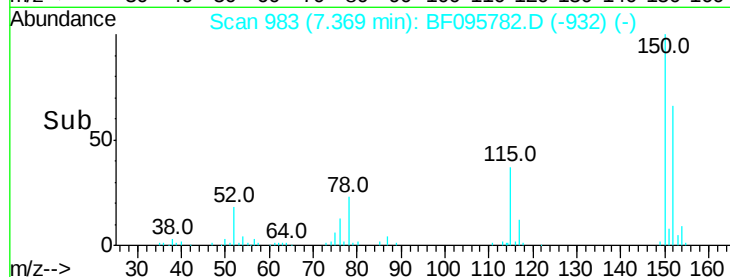
115 55.5 52.2 78.2



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: 125.37 ng

RT: 5.26 min Scan# 625

Delta R.T. 0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

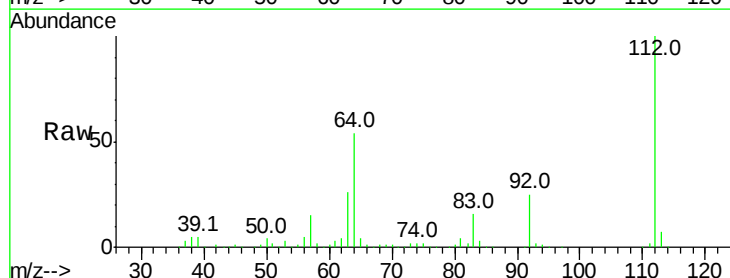
Tgt Ion:112 Resp: 552406

Ion Ratio Lower Upper

112 100

64 54.0 46.0 69.0

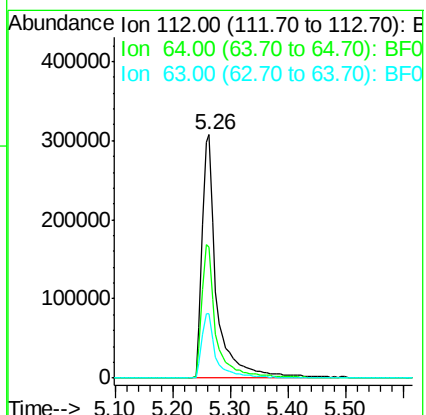
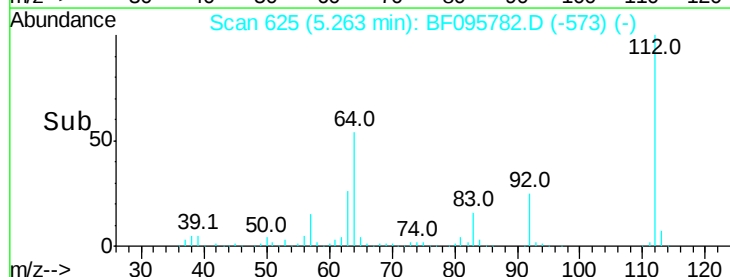
63 26.5 23.4 35.0



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: 126.45 ng

RT: 6.93 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

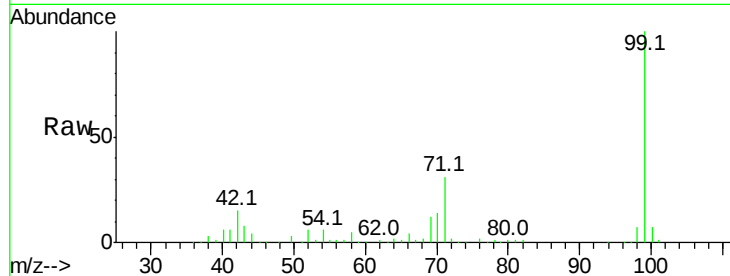
Tot Ion: 99 Resp: 667007

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

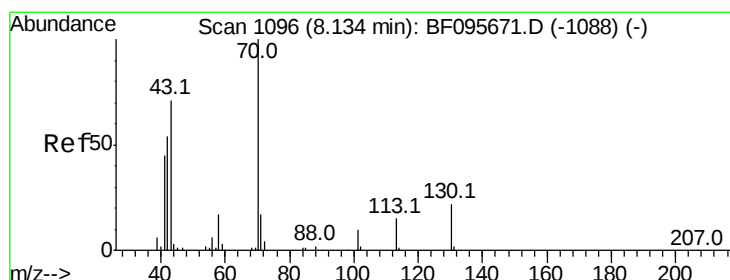
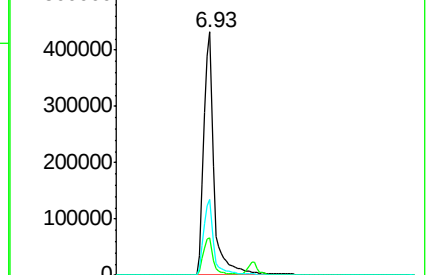
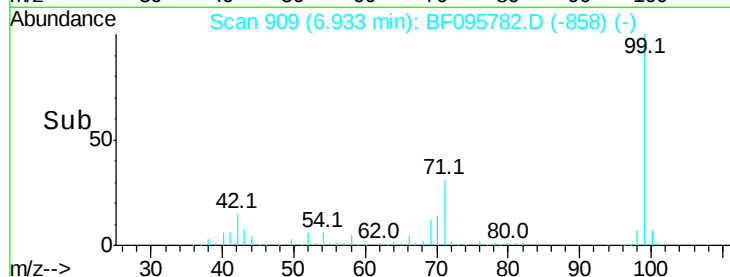
71 31.1 24.5 36.7



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: 14.43 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.18 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Tgt Ion: 70 Resp: 48232

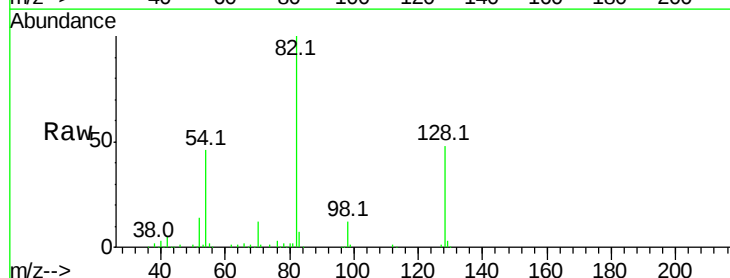
Ion Ratio Lower Upper

70 100

42 43.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

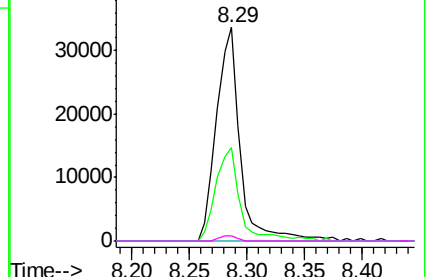
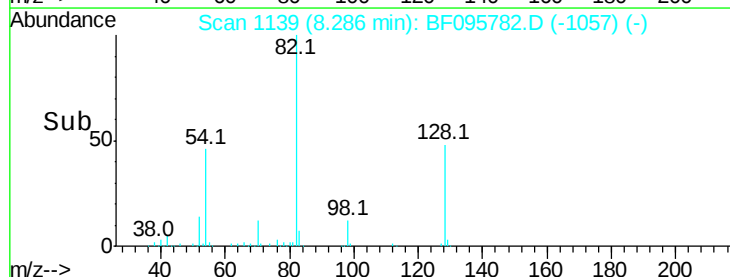


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.40 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 283910

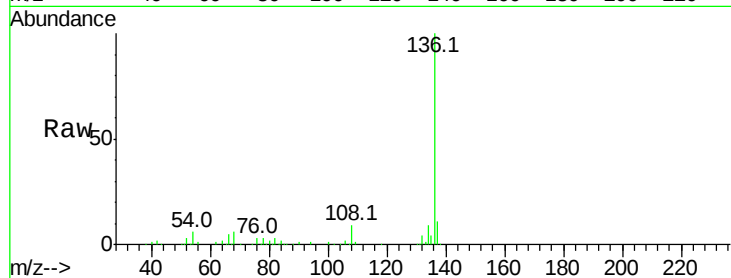
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.2 4.9 7.3

68 5.7 4.1 6.1

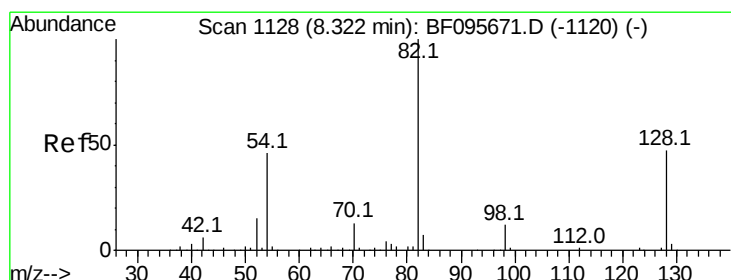
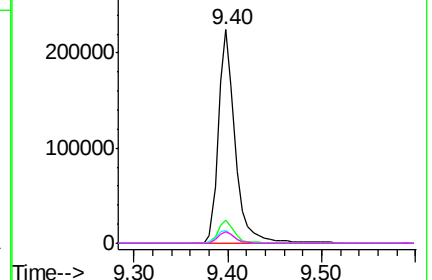
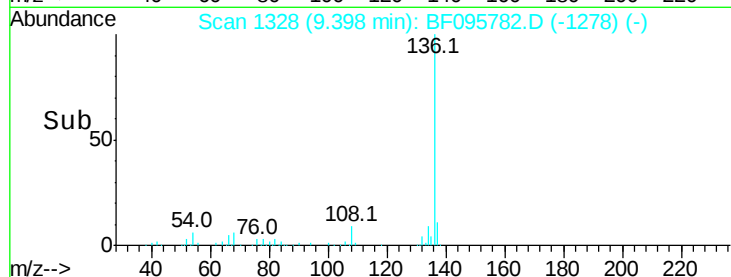


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.68 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

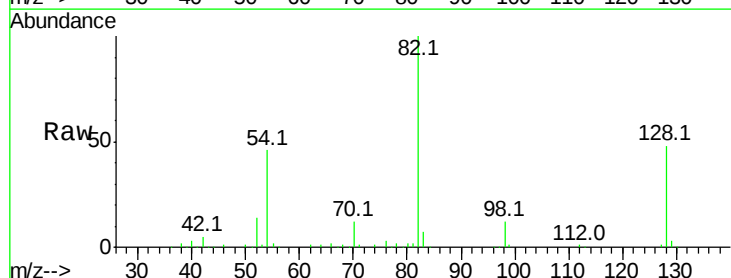
Tgt Ion: 82 Resp: 382550

Ion Ratio Lower Upper

82 100

128 48.2 34.0 51.0

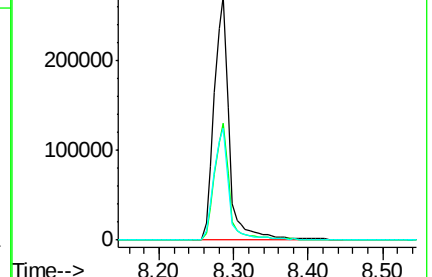
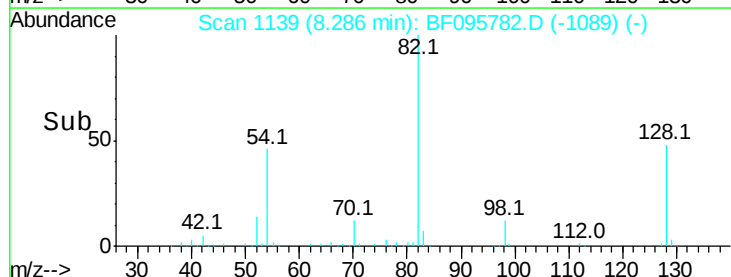
54 45.9 42.2 63.2



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: 12.22 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampled :

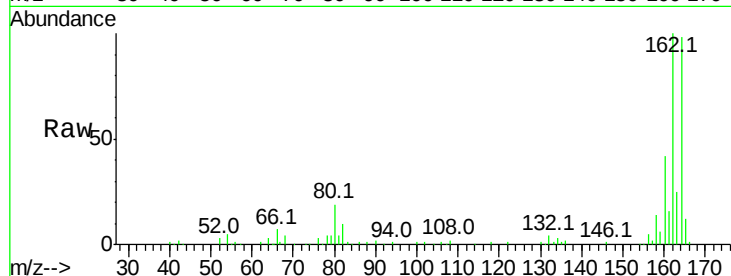
Tot Ion:164 Resp: 121601

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

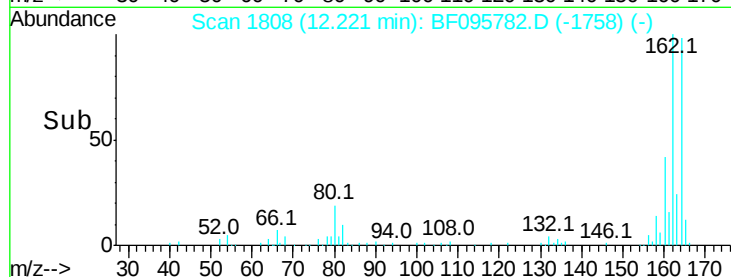
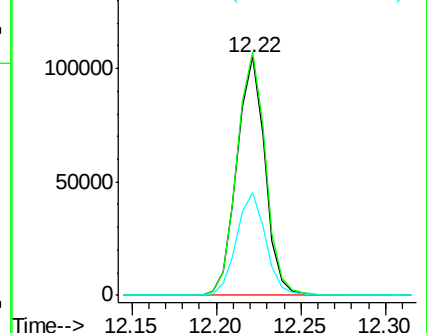
160 43.0 36.2 54.2



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: 109.08 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

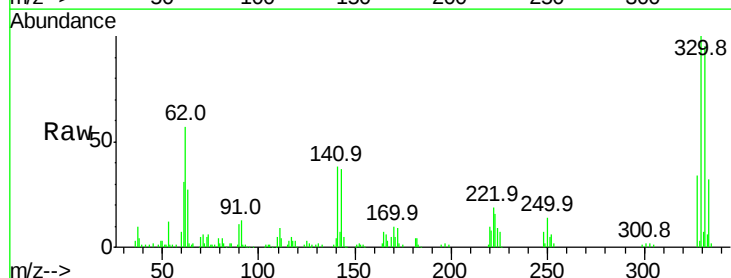
Tgt Ion:330 Resp: 117356

Ion Ratio Lower Upper

330 100

332 95.2 76.6 115.0

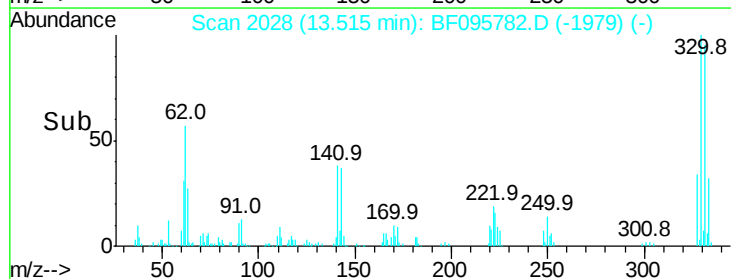
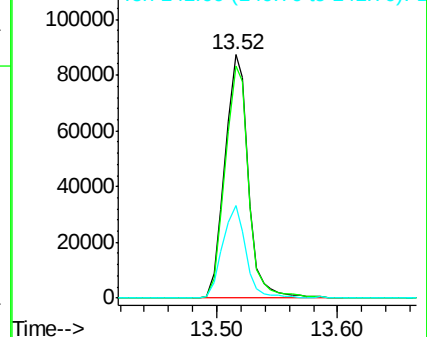
141 37.7 31.4 47.2

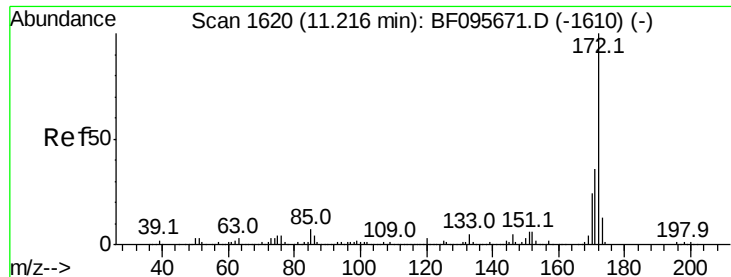


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

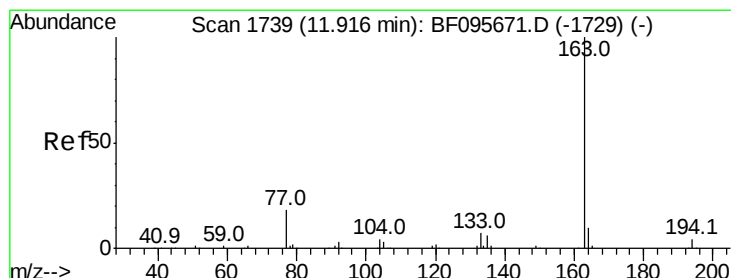
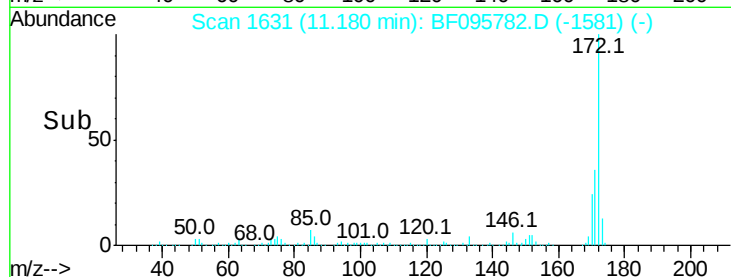
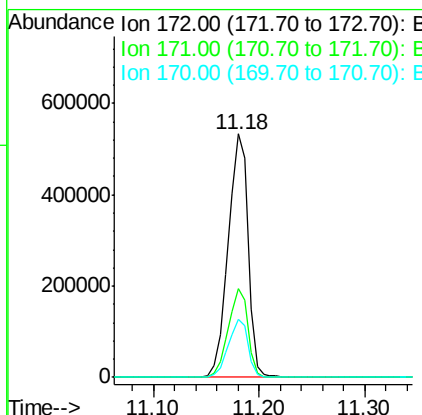
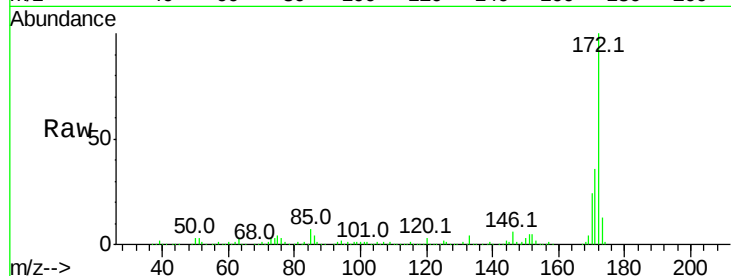




#44
2-Fluorobiphenyl
Concen: 79.33 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095782.D
Acq: 8 Jun 2017 14:28

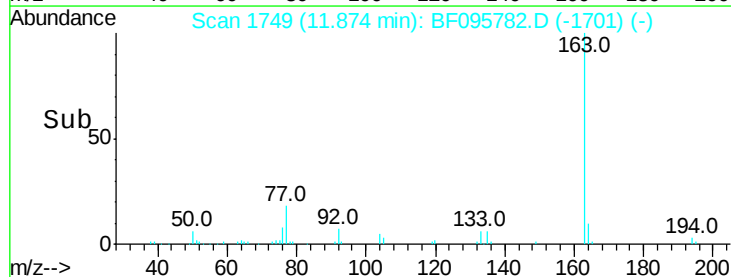
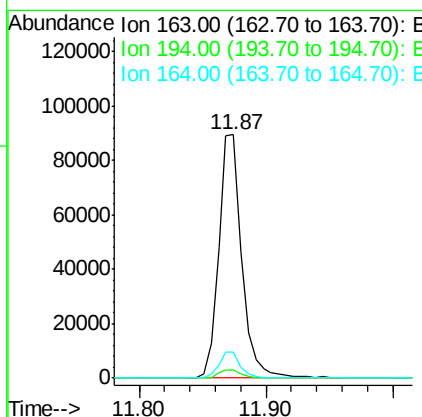
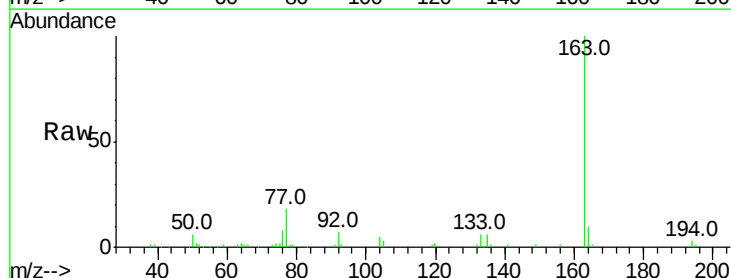
Instrument :
BNA_F
ClientSampleId :

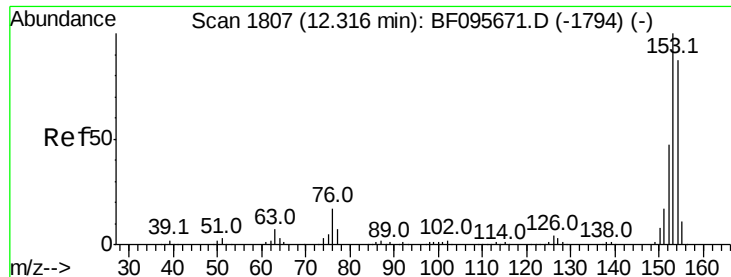
Tot Ion:172 Resp: 693193
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 12.29 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF095782.D
Acq: 8 Jun 2017 14:28

Tgt Ion:163 Resp: 113503
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.5 8.4 12.6





#51

Acenaphthene

Concen: 3.85 ng

RT: 12.27 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

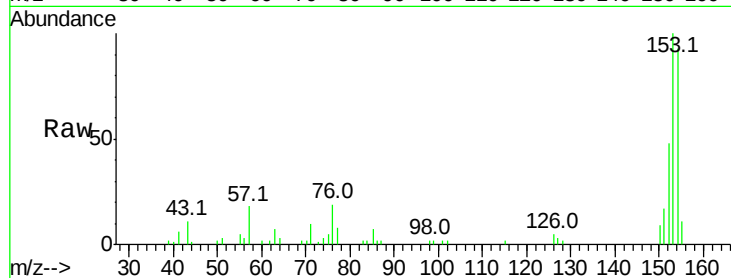
Tot Ion:154 Resp: 29739

Ion Ratio Lower Upper

154 100

153 108.0 90.5 135.7

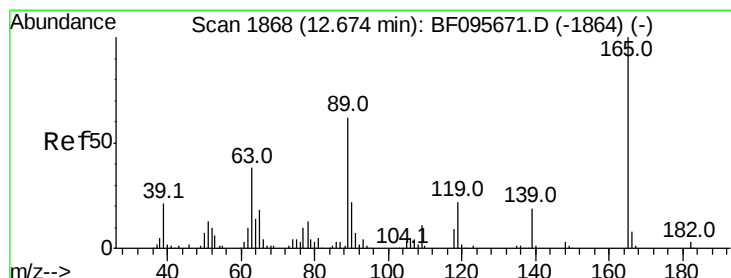
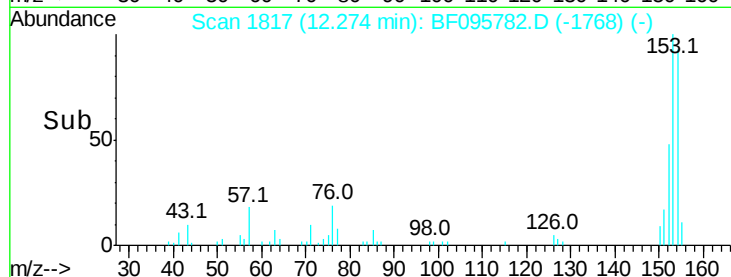
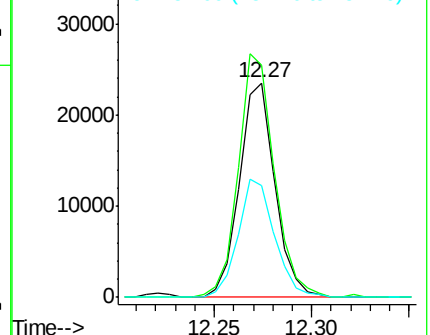
152 52.3 43.6 65.4



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



#55

4-Nitrophenol

Concen: 7.74 ng

RT: 12.57 min Scan# 1867

Delta R.T. -0.09 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

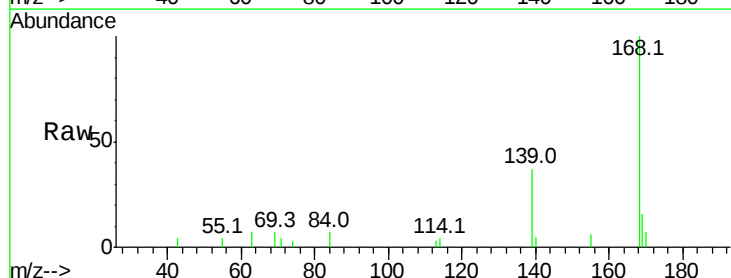
Tgt Ion:139 Resp: 4528

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

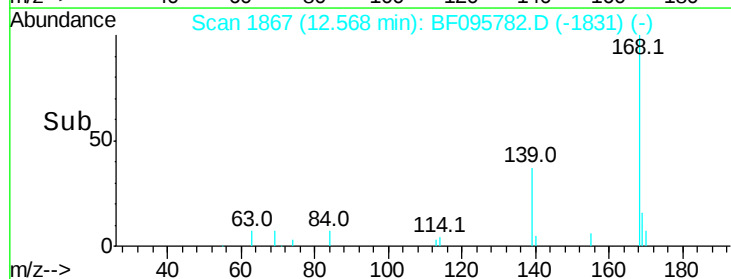
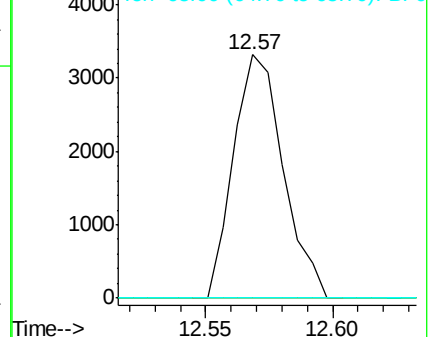
65 0.0 31.4 71.4#

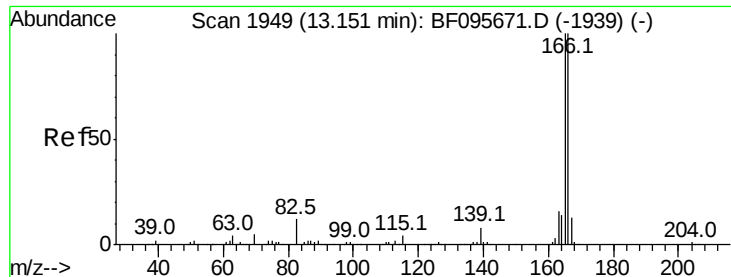


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

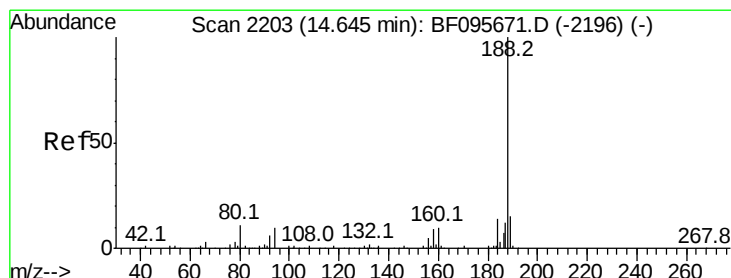
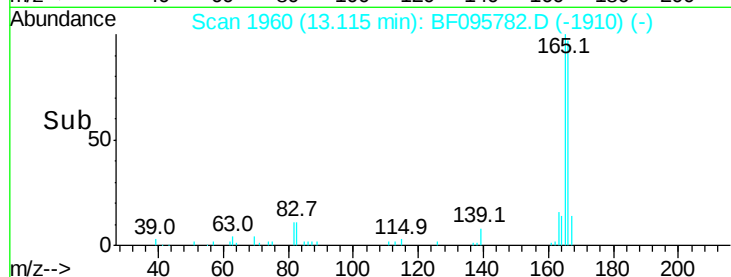
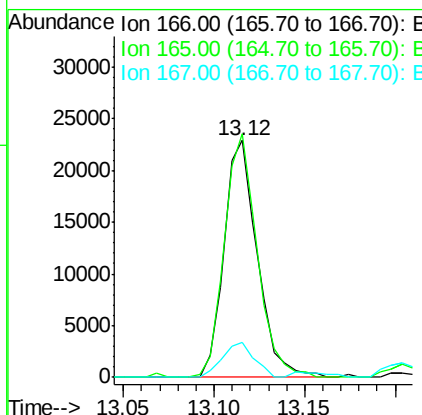
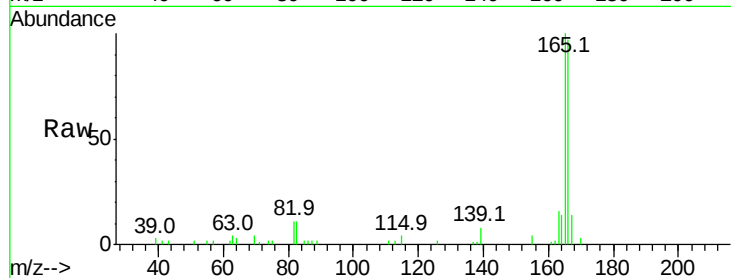




#57
 Fluorene
 Concen: 3.08 ng
 RT: 13.12 min Scan# 1960
 Delta R.T. -0.01 min
 Lab File: BF095782.D
 Acq: 8 Jun 2017 14:28

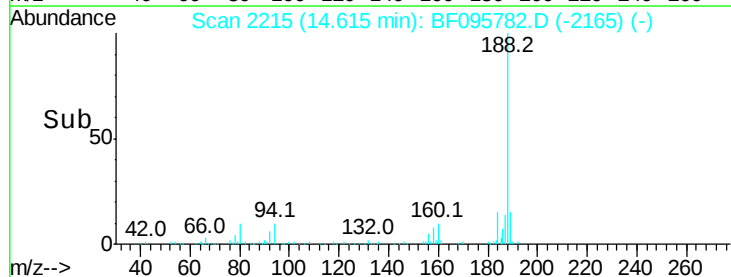
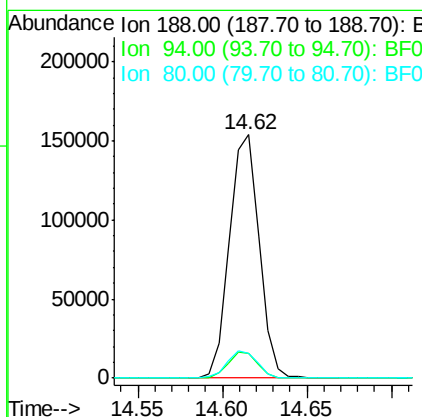
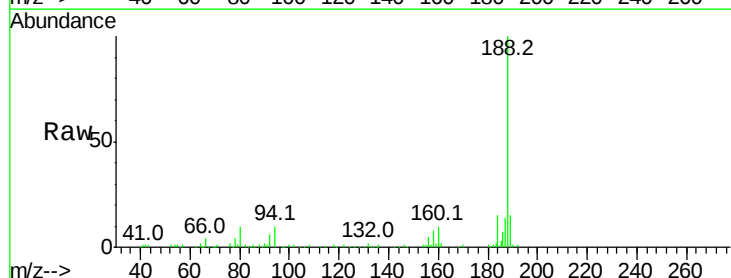
Instrument :
 BNA_F
 ClientSampleId :

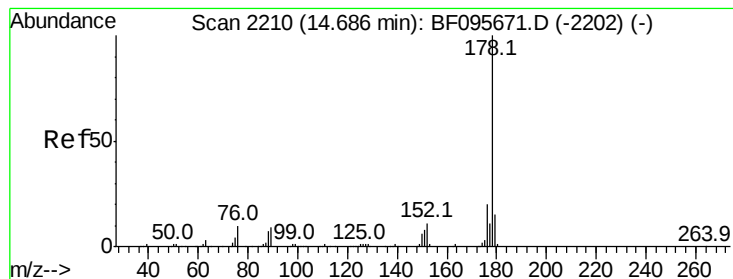
Tot Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.8	118.2
167	14.8	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.62 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: BF095782.D
 Acq: 8 Jun 2017 14:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.2	10.2	15.2





#70

Phenanthrene

Concen: 32.47 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

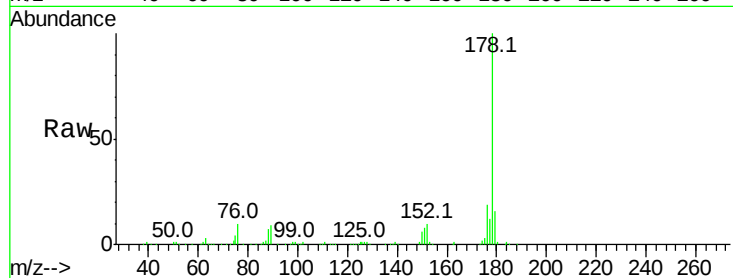
Tot Ion:178 Resp: 351595

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

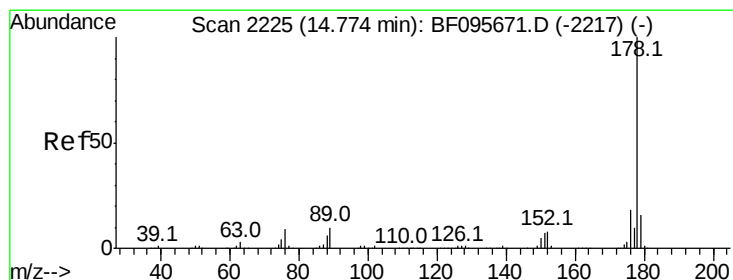
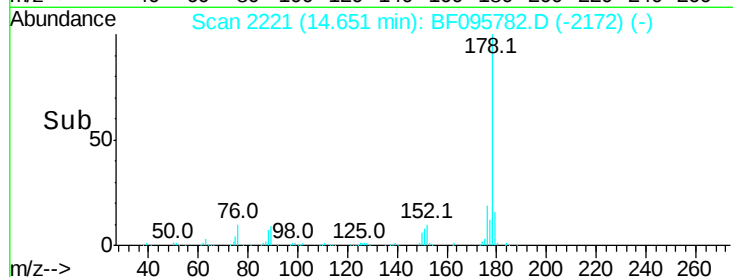
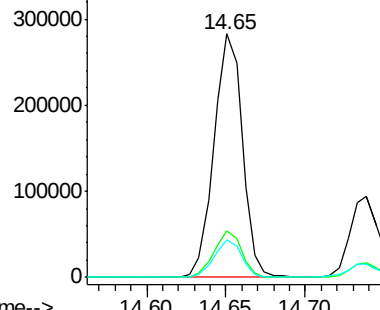
179 15.5 12.6 19.0



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: 10.92 ng

RT: 14.74 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

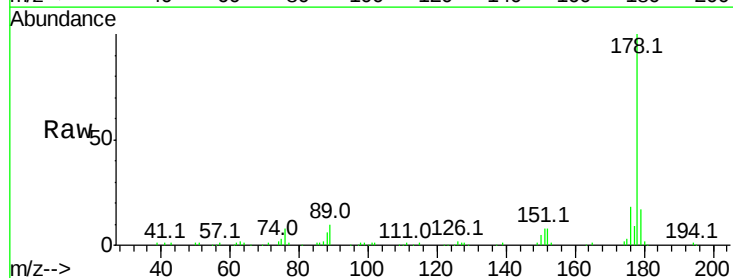
Tgt Ion:178 Resp: 123452

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

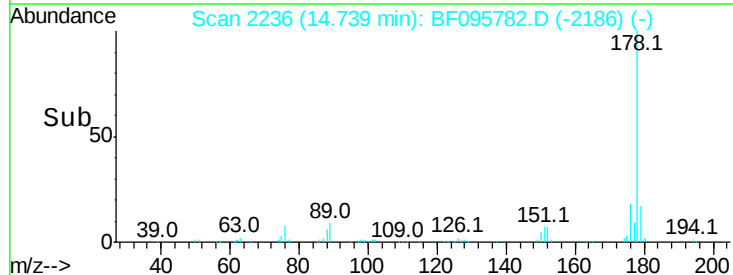
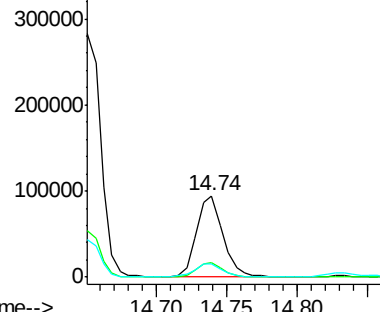
179 16.6 12.7 19.1

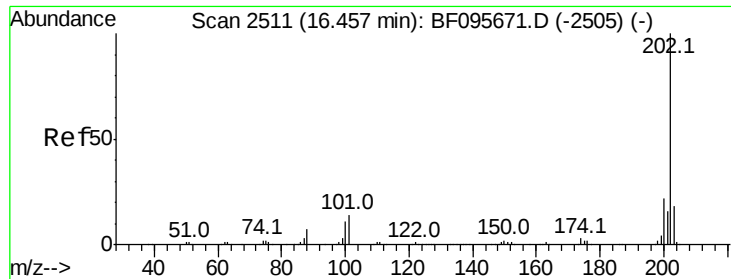


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

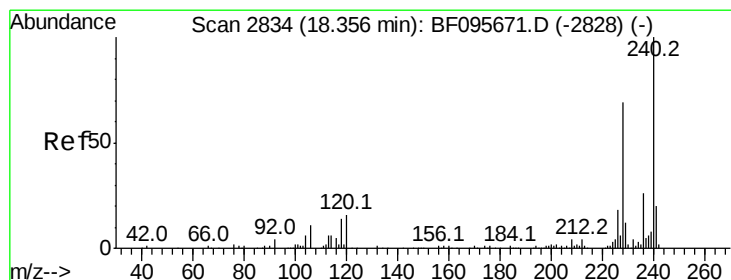
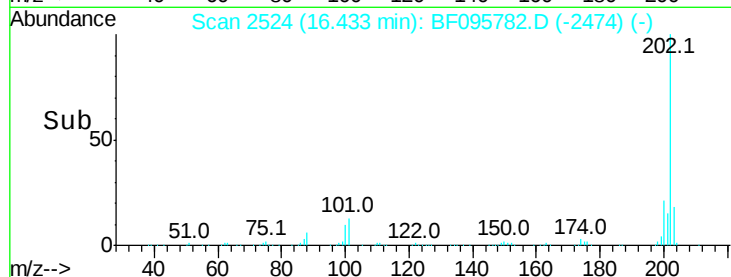
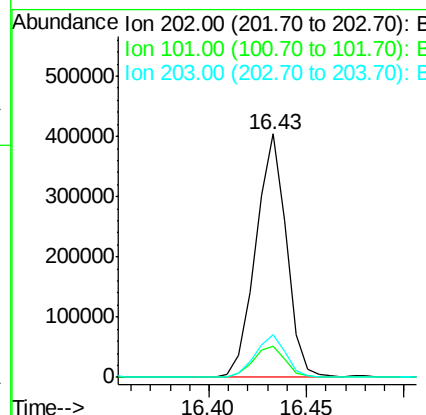
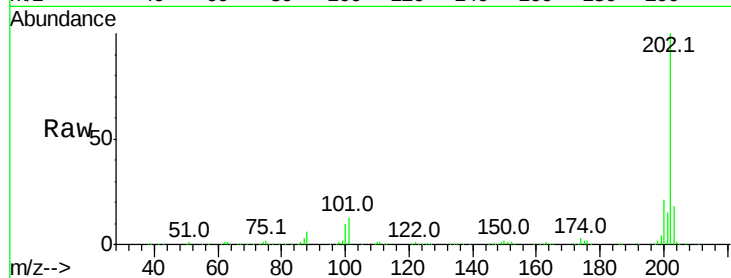




#74
 Fluoranthene
 Concen: 40.88 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.01 min
 Lab File: BF095782.D
 Acq: 8 Jun 2017 14:28

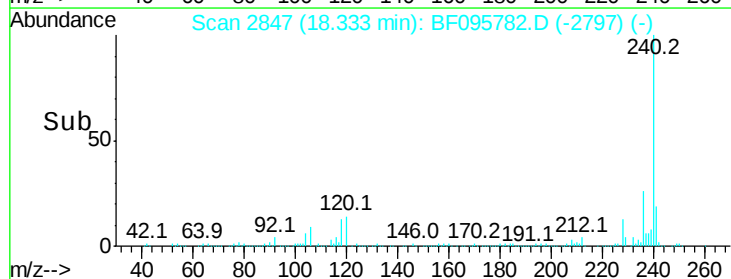
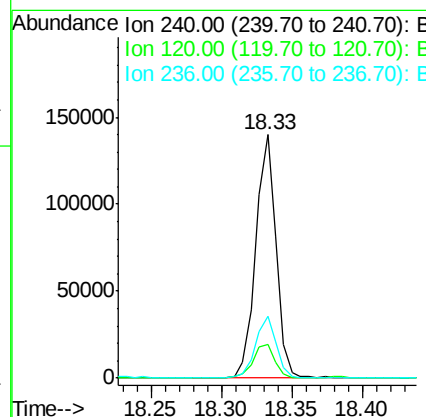
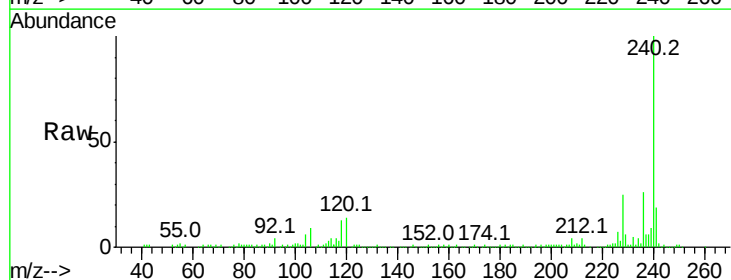
Instrument :
 BNA_F
 ClientSampleId :

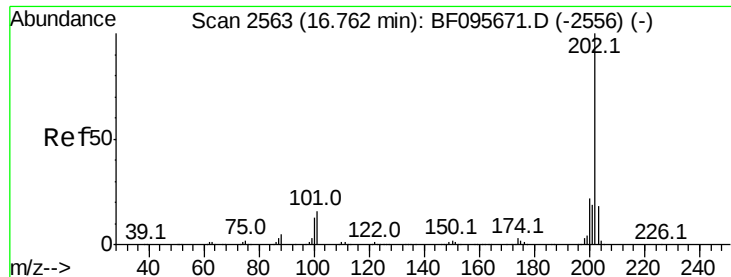
Tot Ion:202 Resp: 438238
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 33.2
 203 17.7 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095782.D
 Acq: 8 Jun 2017 14:28

Tgt Ion:240 Resp: 142276
 Ion Ratio Lower Upper
 240 100
 120 14.1 5.8 8.8#
 236 25.7 20.5 30.7





#77

Pvrene

Concen: 35.65 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

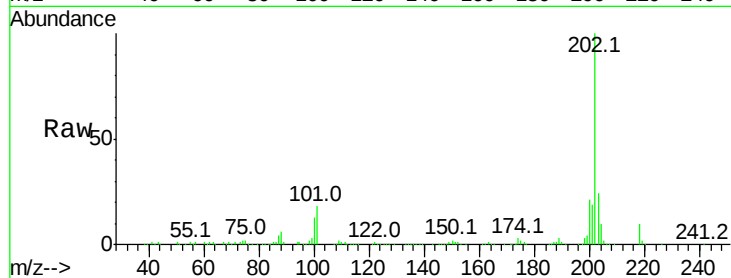
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 378415

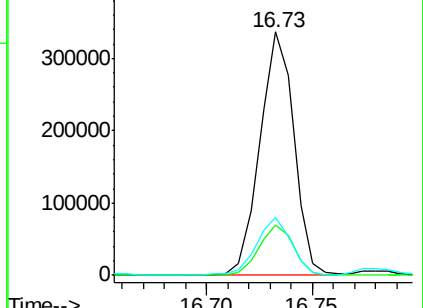
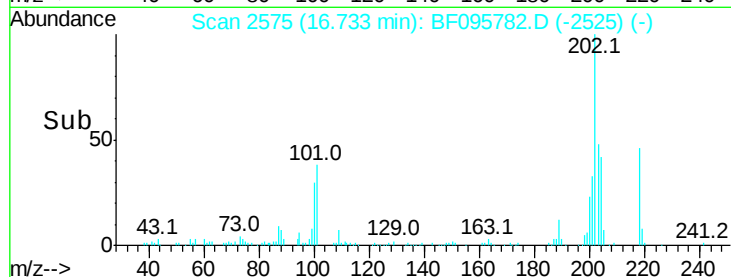
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	24.0	14.4	21.6



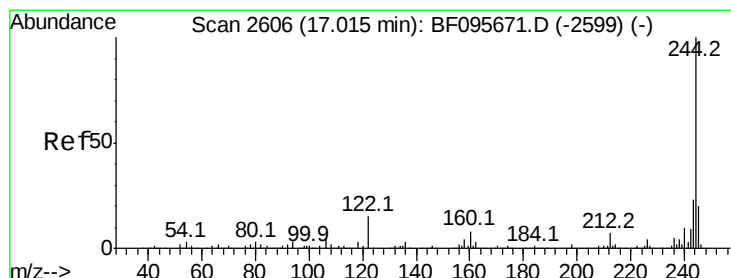
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 76.08 ng

RT: 16.99 min Scan# 2619

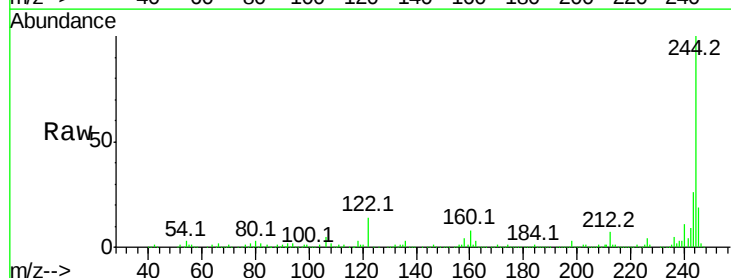
Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Tgt Ion:244 Resp: 436148

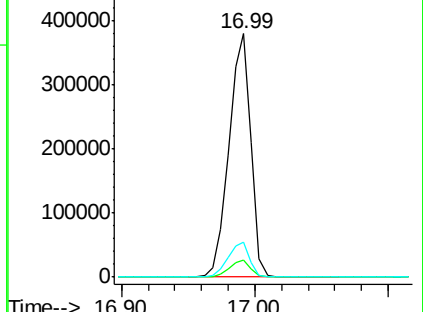
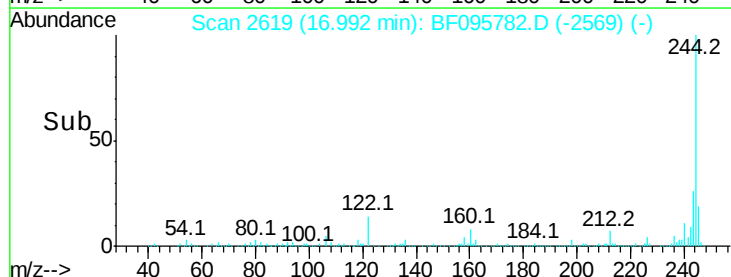
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.2	10.3	15.5



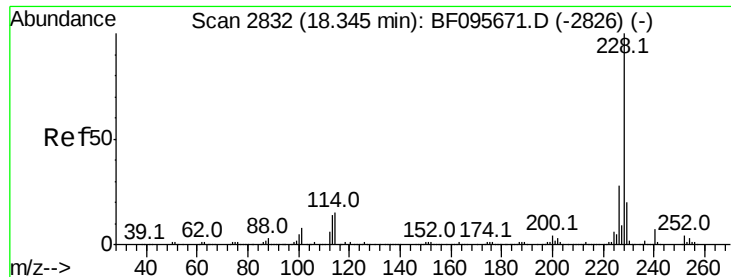
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 21.10 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

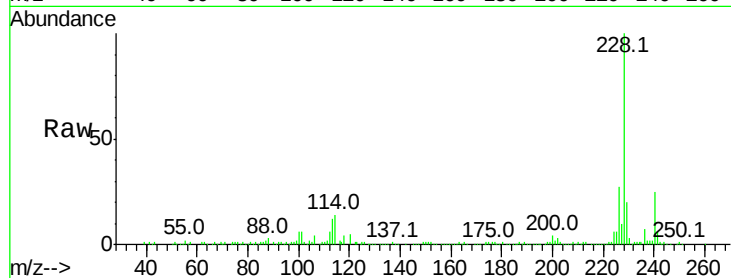
Tot Ion:228 Resp: 174543

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

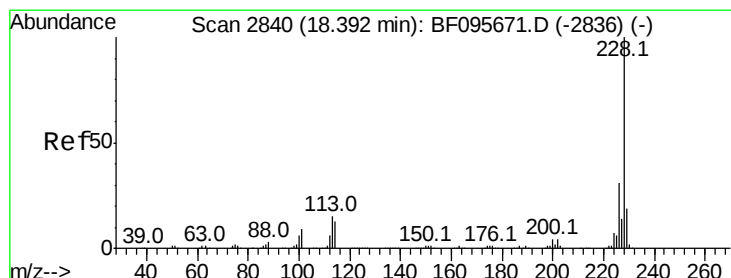
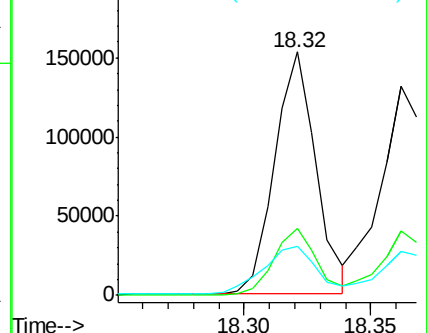
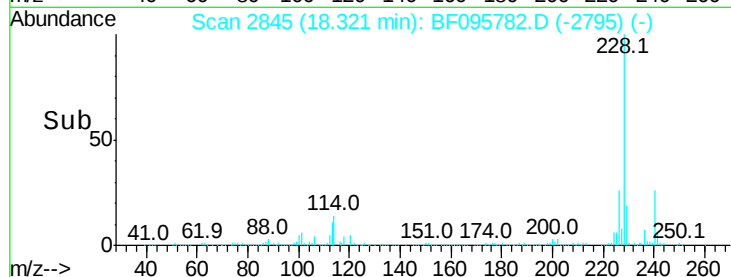
229 20.2 16.3 24.5



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: 19.66 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

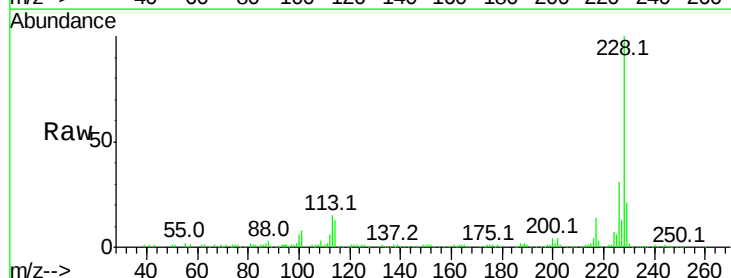
Tgt Ion:228 Resp: 162513

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

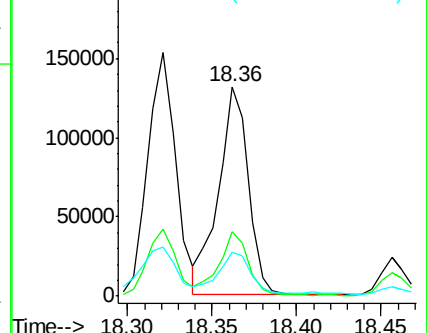
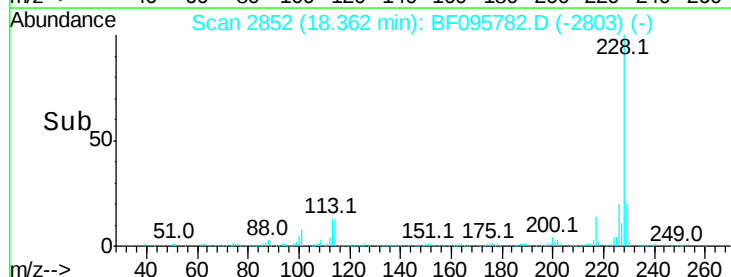
229 20.7 15.8 23.6

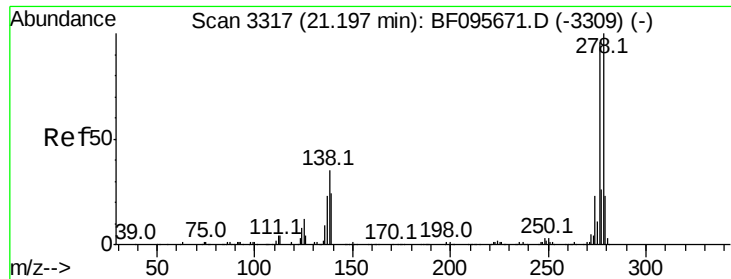


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

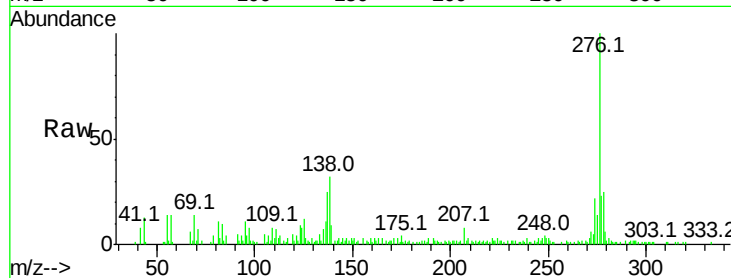




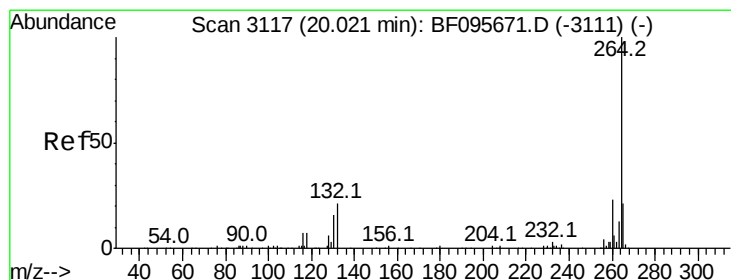
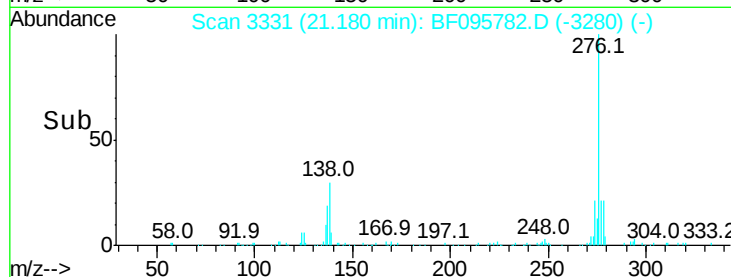
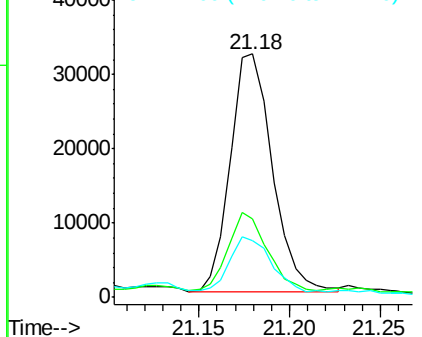
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.34 ng
 RT: 21.18 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: BF095782.D
 Acq: 8 Jun 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 51943
 Ion Ratio Lower Upper
 276 100
 138 31.6 27.8 41.6
 277 24.5 20.2 30.4

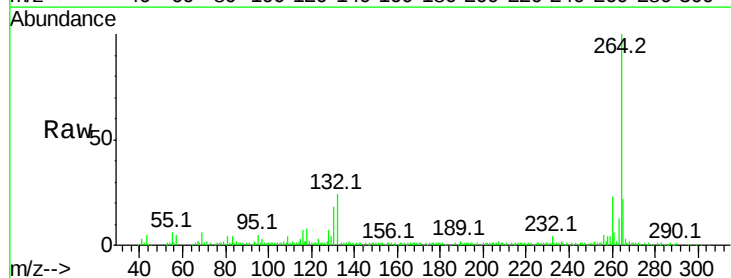


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

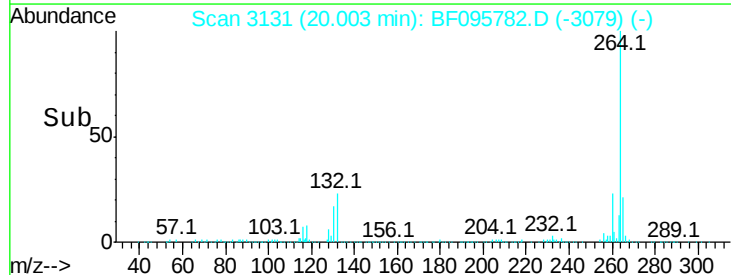
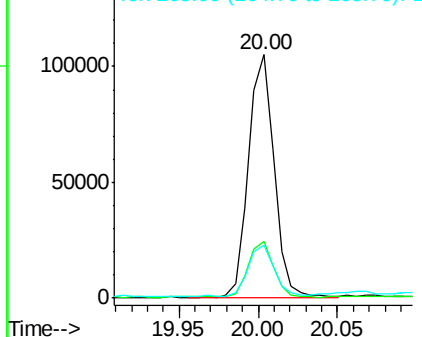


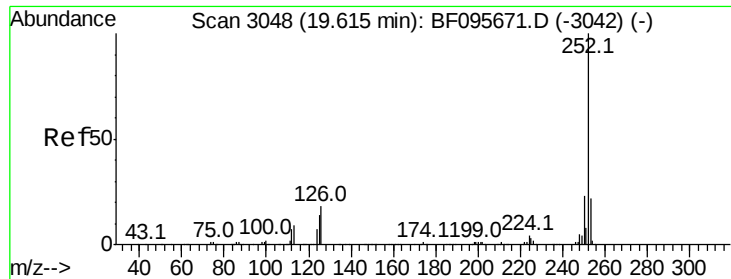
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.00 min Scan# 3131
 Delta R.T. 0.01 min
 Lab File: BF095782.D
 Acq: 8 Jun 2017 14:28

Tgt Ion:264 Resp: 119568
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 29.24 ng

RT: 19.60 min Scan# 3062

Delta R.T. 0.00 min

Lab File: BF095782.D

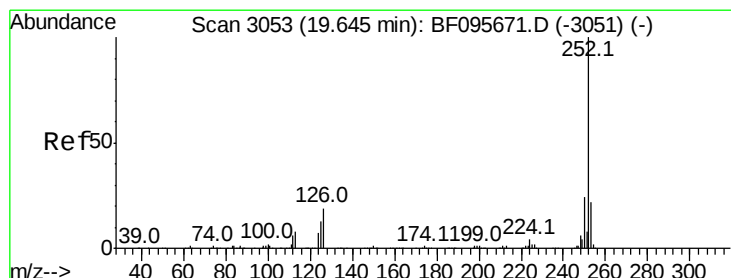
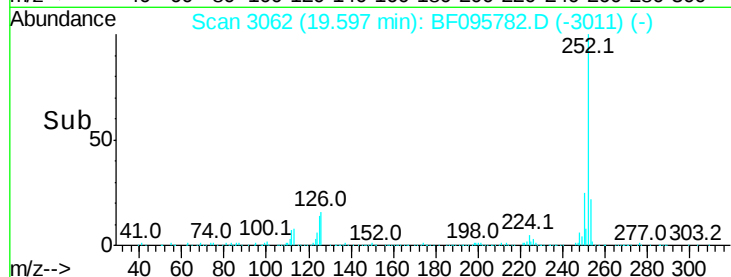
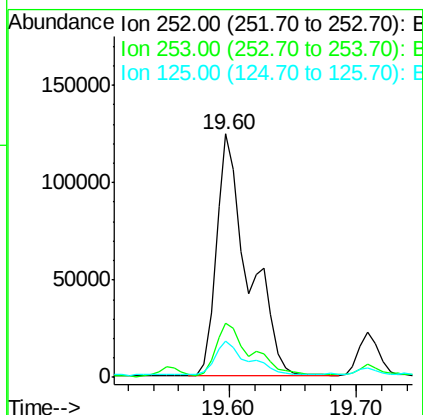
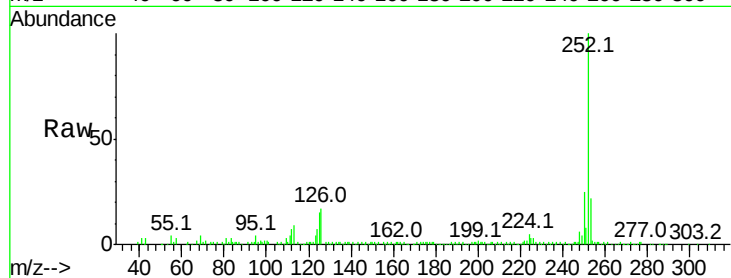
Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	218937
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.1 27.1
125	14.8	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 30.59 ng

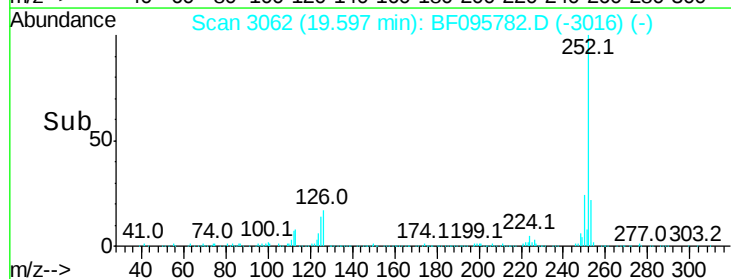
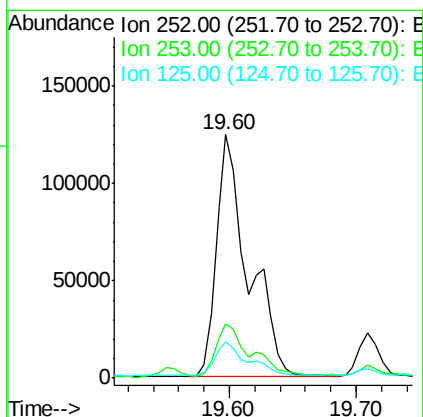
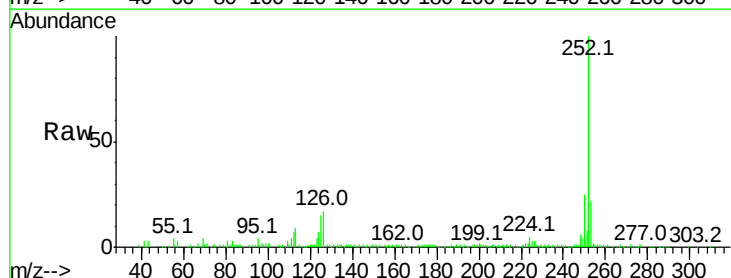
RT: 19.60 min Scan# 3062

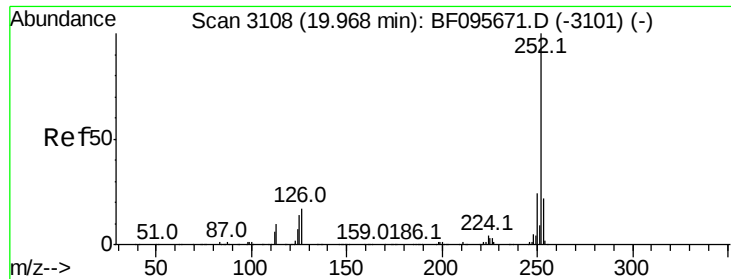
Delta R.T. -0.03 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Tgt Ion:252	Resp:	218937
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.4 27.6
125	14.8	13.1 19.7

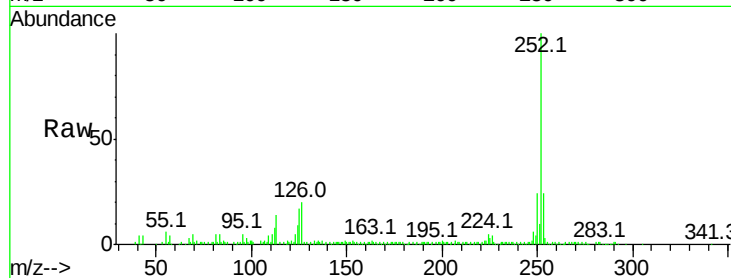




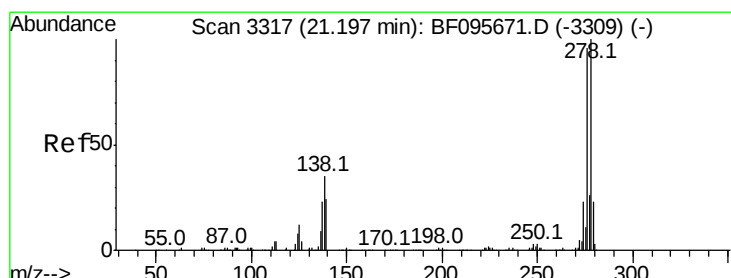
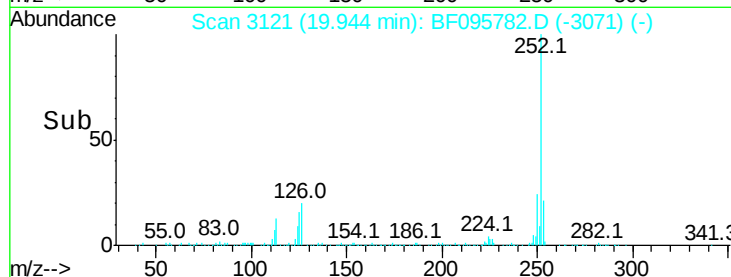
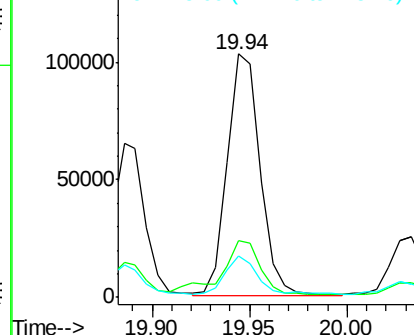
#89
Benzo(a)pyrene
Concen: 17.56 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095782.D
Acq: 8 Jun 2017 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 120841
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 16.8 11.0 16.4#

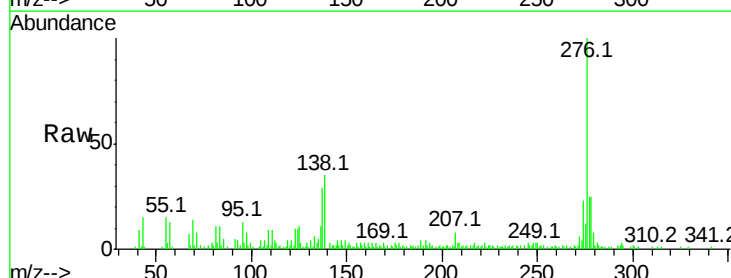


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

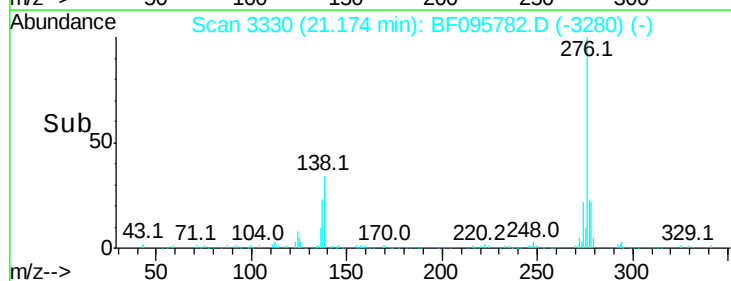
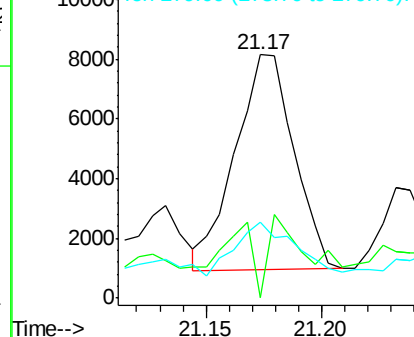


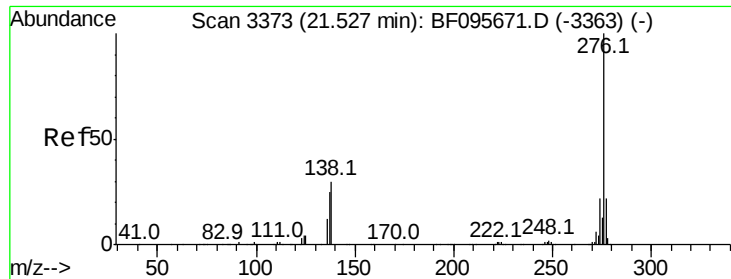
#90
Dibenzo(a,h)anthracene
Concen: 2.18 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BF095782.D
Acq: 8 Jun 2017 14:28

Tgt Ion:278 Resp: 12753
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 31.0 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(a,h,i)perylene

Concen: 8.62 ng

RT: 21.51 min Scan# 3387

Delta R.T. 0.01 min

Lab File: BF095782.D

Acq: 8 Jun 2017 14:28

Instrument :

BNA_F

ClientSampleId :

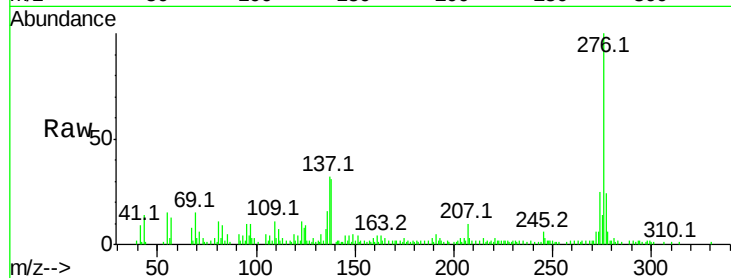
Tot Ion: 276 Resp: 51303

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 31.0 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

