

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095802.D
 Acq On : 9 Jun 2017 1:18
 Operator : SJ/MA
 Sample : I3470-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 04:29:34 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

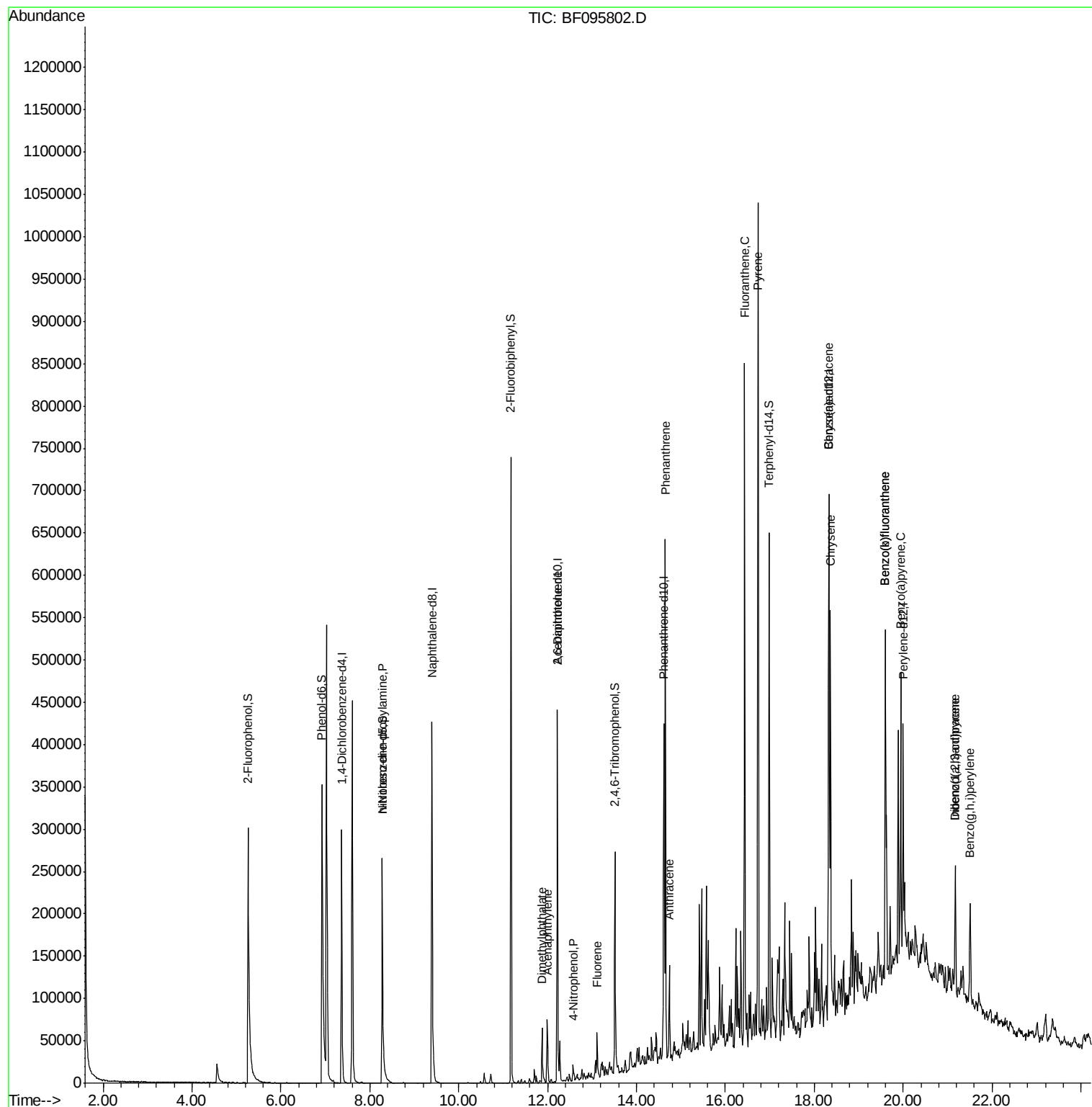
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	74439	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	298411	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	122735	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	189497	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	145388	20.00	ng	-0.02
86) Perylene-d12	20.00	264	115976	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	234480	50.19	ng	-0.03
7) Phenol-d6	6.92	99	286545	51.24	ng	-0.04
23) Nitrobenzene-d5	8.28	82	163264	33.98	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	45272	41.69	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	321958	36.50	ng	-0.04
78) Terphenyl-d14	16.99	244	208468	35.58	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	19049	5.37	ng	# 76
48) Acenaphthylene	11.99	152	50301	3.72	ng	99
49) Dimethylphthalate	11.87	163	41948	4.50	ng	# 98
50) 2,6-Dinitrotoluene	12.22	165	15941	7.84	ng	# 31
55) 4-Nitrophenol	12.57	139	4599	7.76	ng	# 33
57) Fluorene	13.12	166	21499	2.25	ng	# 91
70) Phenanthrene	14.65	178	322398	29.49	ng	99
71) Anthracene	14.74	178	61778	5.41	ng	96
74) Fluoranthene	16.43	202	404348	37.36	ng	99
77) Pyrene	16.74	202	457633	42.19	ng	97
80) Benzo(a)anthracene	18.32	228	204290	24.17	ng	95
82) Chrysene	18.36	228	226667	26.83	ng	99
85) Indeno(1,2,3-cd)pyrene	21.17	276	79955	11.06	ng	93
87) Benzo(b)fluoranthene	19.60	252	266651	36.72	ng	# 97
88) Benzo(k)fluoranthene	19.60	252	266651	38.41	ng	98
89) Benzo(a)pyrene	19.94	252	146038	21.88	ng	97
90) Dibenzo(a,h)anthracene	21.17	278	20307	3.59	ng	# 79
91) Benzo(g,h,i)perylene	21.50	276	76357	13.23	ng	96

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

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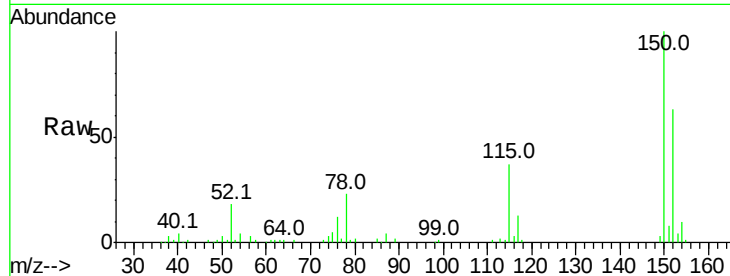


#1

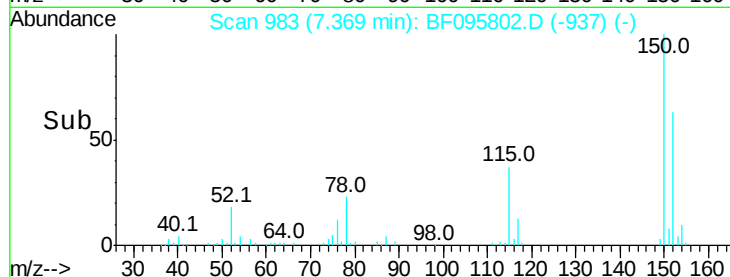
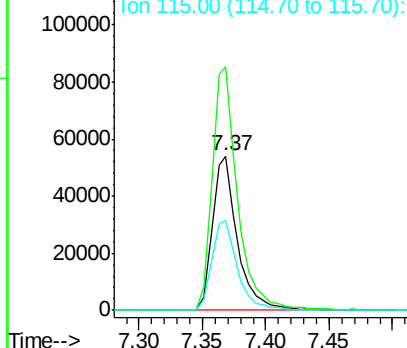
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 74439
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 58.8 52.2 78.2



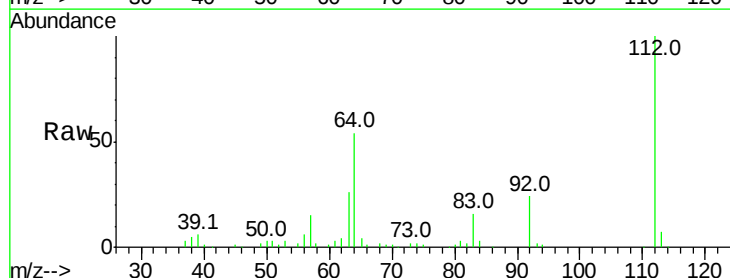
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



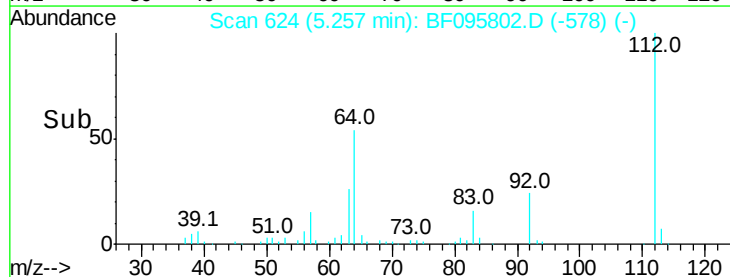
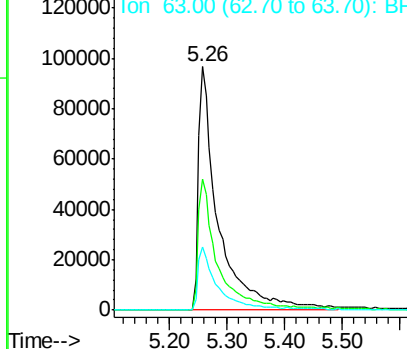
#5

2-Fluorophenol
Concen: 50.19 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion:112 Resp: 234480
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 26.1 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: 51.24 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampleId :

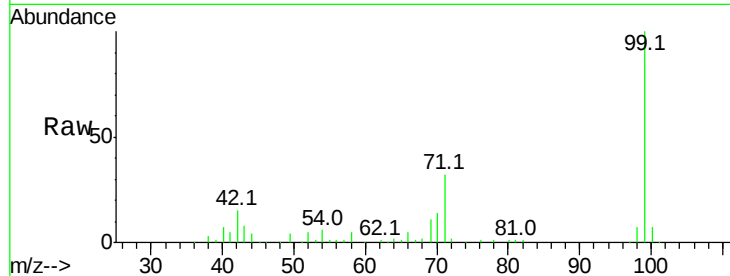
Tot Ion: 99 Resp: 286545

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

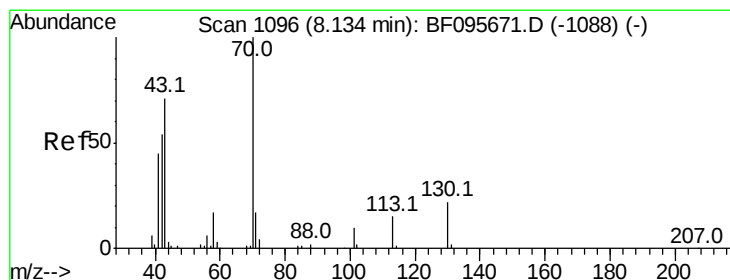
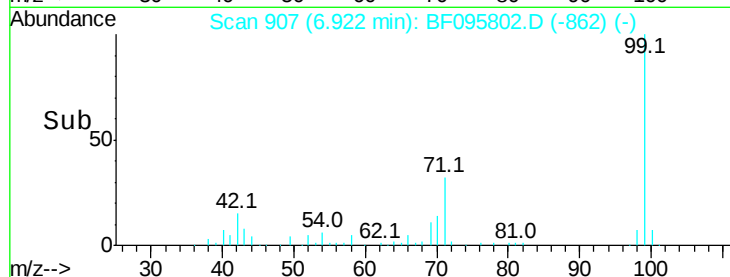
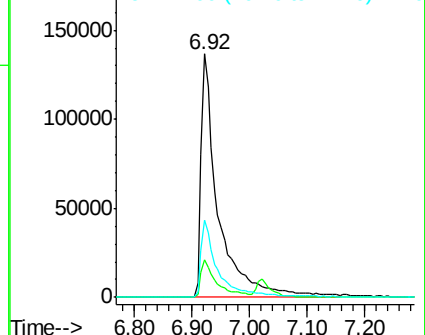
71 31.9 24.5 36.7



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: 5.37 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Tgt Ion: 70 Resp: 19049

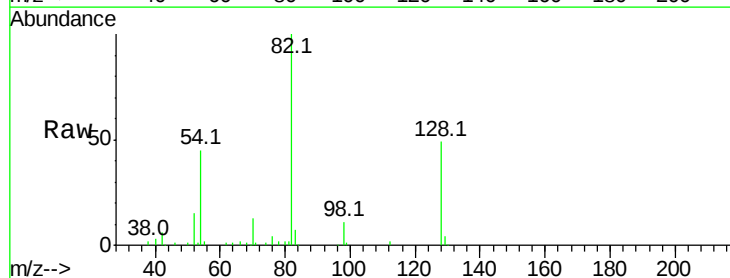
Ion Ratio Lower Upper

70 100

42 44.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

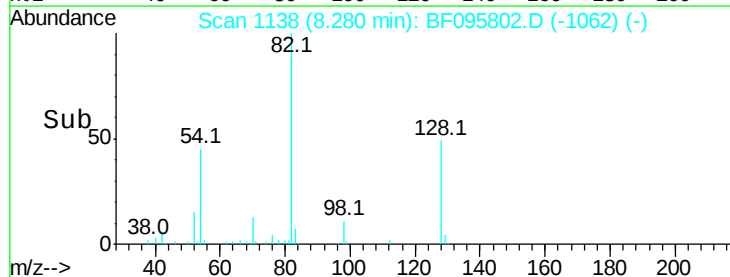
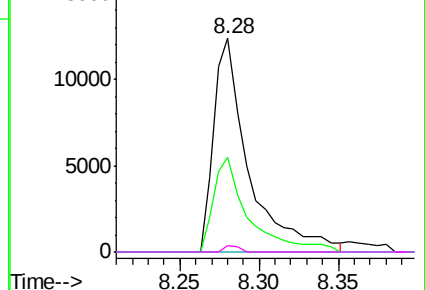


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

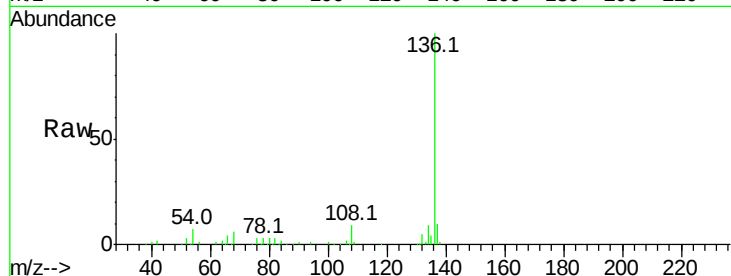




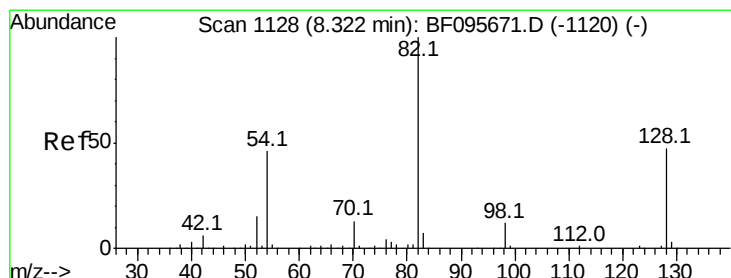
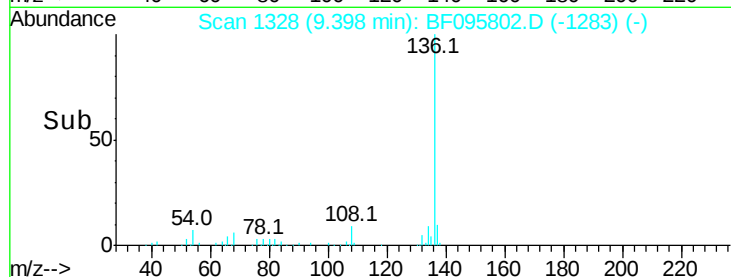
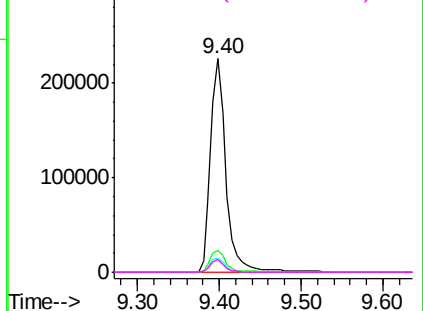
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	298411
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.5 12.7
54	6.9	4.9 7.3
68	5.8	4.1 6.1

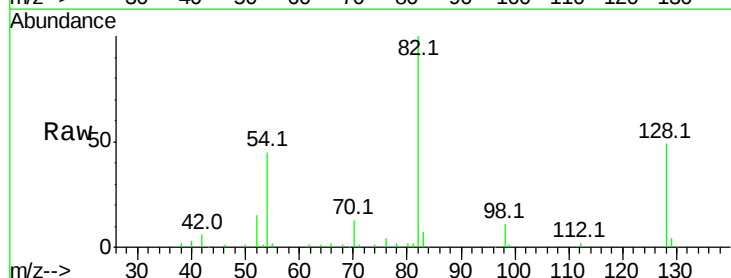


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

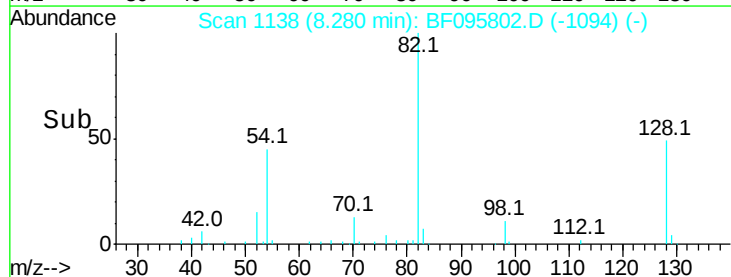
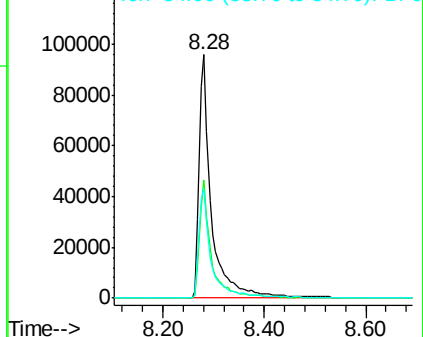


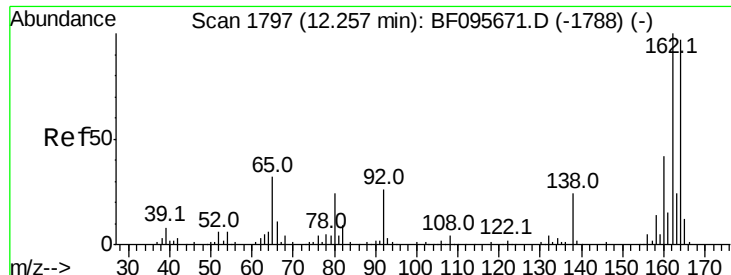
#23
Nitrobenzene-d5
Concen: 33.98 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion: 82	Resp:	163264
Ion Ratio	Lower	Upper
82	100	
128	48.7	34.0 51.0
54	44.8	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. -0.04 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampleId :

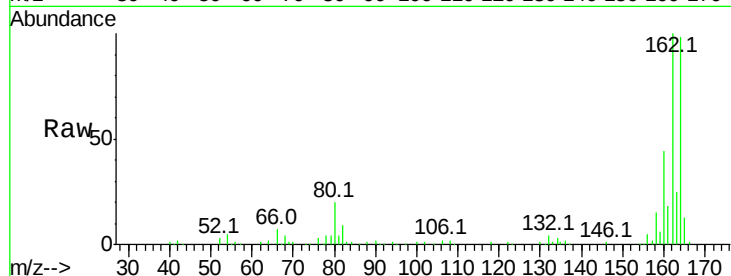
Tot Ion:164 Resp: 122735

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

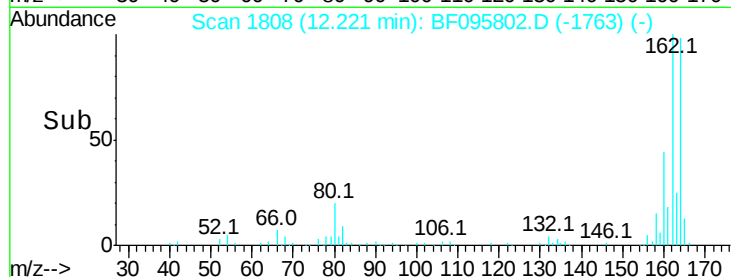
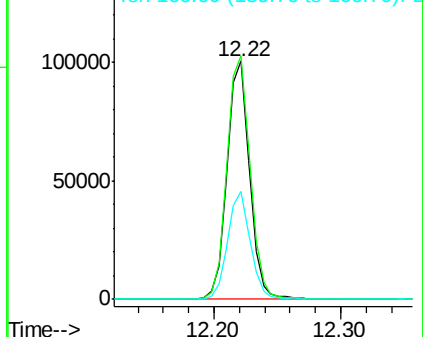
160 45.3 36.2 54.2



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: 41.69 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

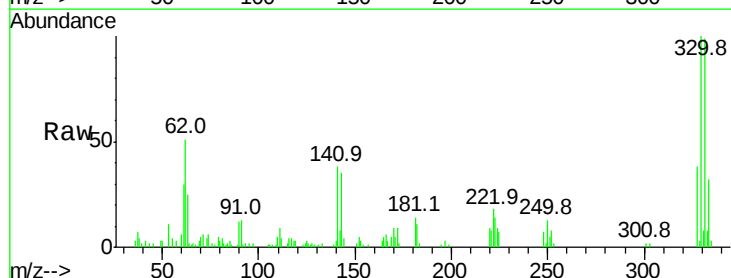
Tgt Ion:330 Resp: 45272

Ion Ratio Lower Upper

330 100

332 95.7 76.6 115.0

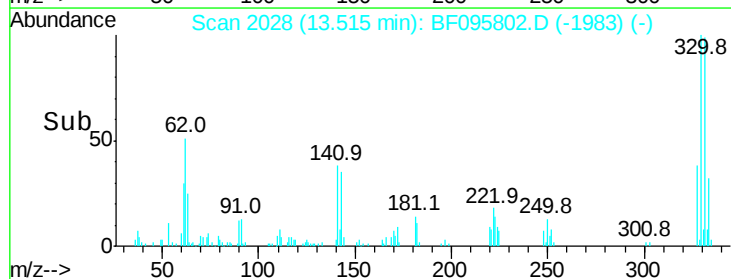
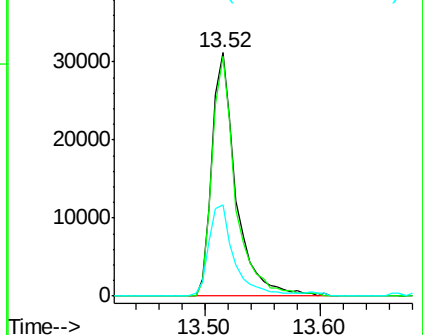
141 40.2 31.4 47.2



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

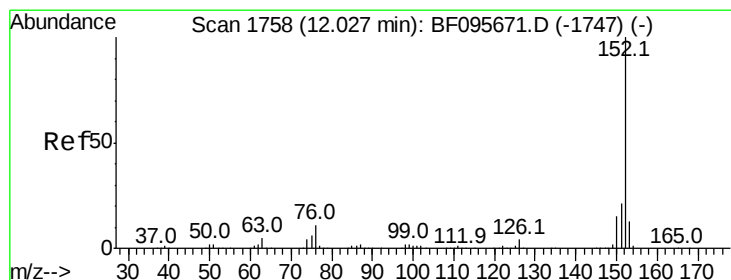
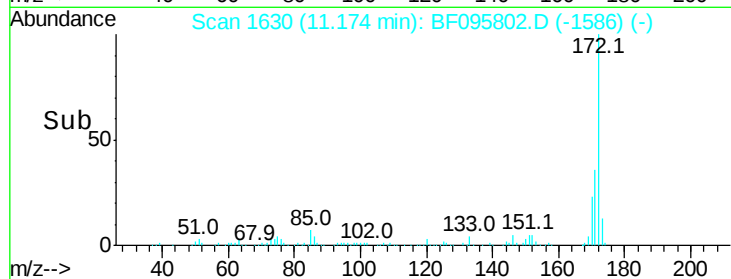
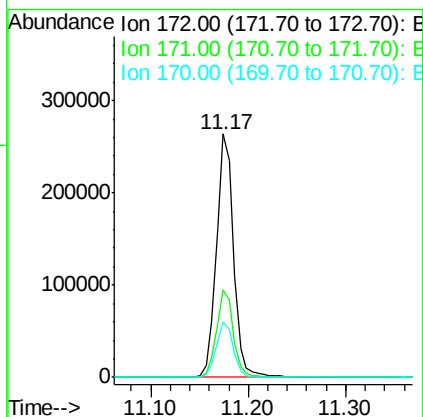
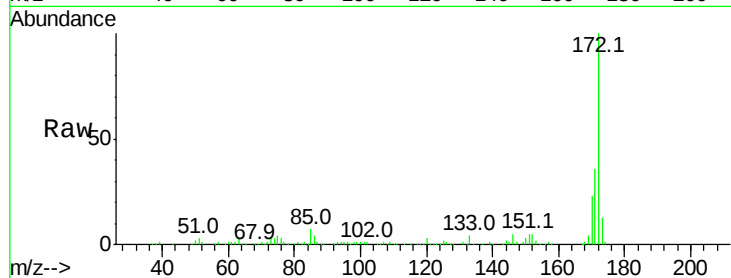




#44
2-Fluorobiphenyl
Concen: 36.50 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

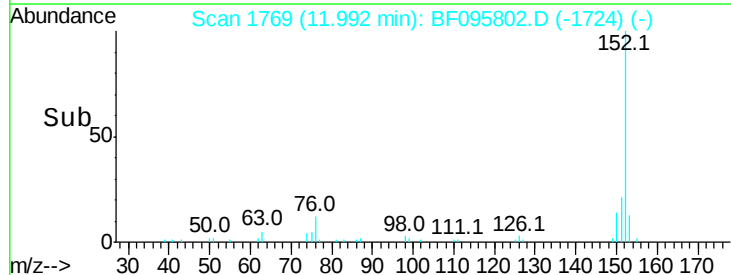
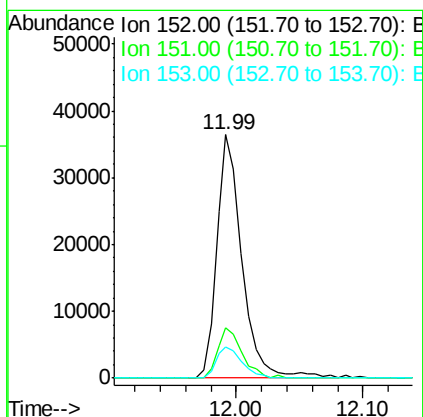
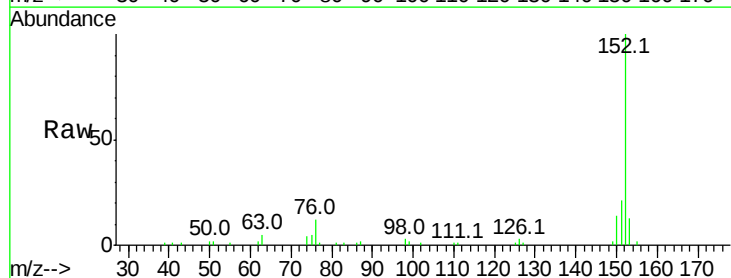
Instrument :
BNA_F
ClientSampleId :

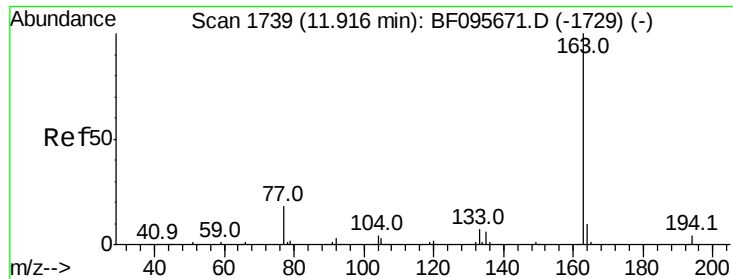
Tot Ion:172 Resp: 321958
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 22.8 19.8 29.8



#48
Acenaphthylene
Concen: 3.72 ng
RT: 11.99 min Scan# 1769
Delta R.T. -0.04 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion:152 Resp: 50301
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 13.0 10.8 16.2

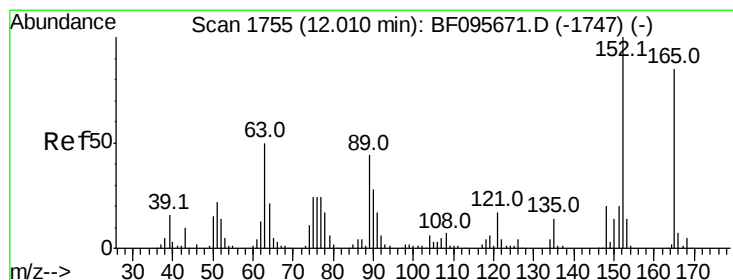
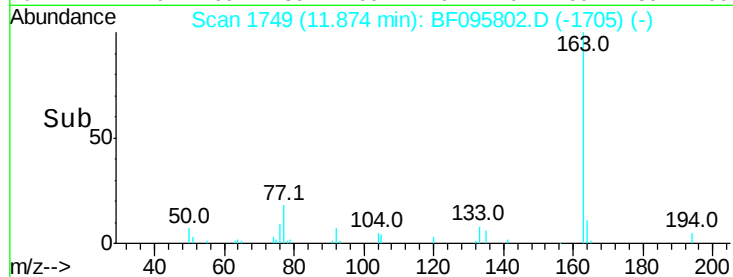
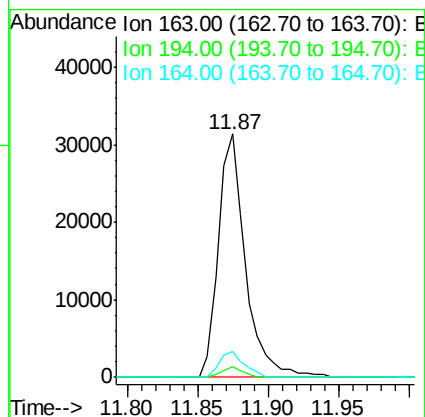
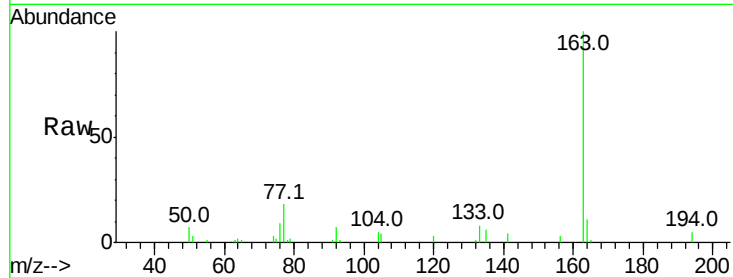




#49
Dimethylphthalate
Concen: 4.50 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

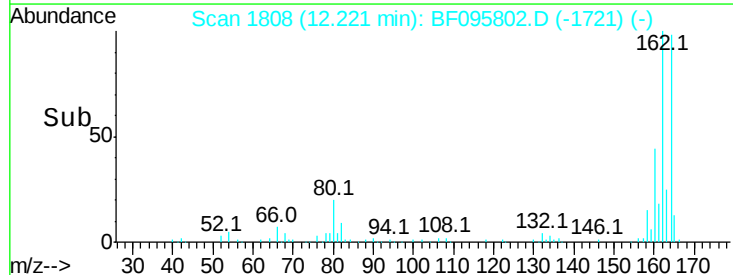
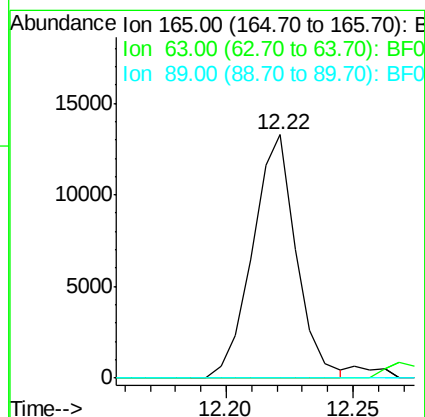
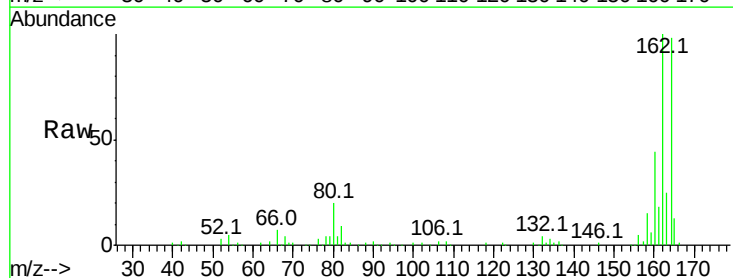
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BNA_F
ClientSampleId :

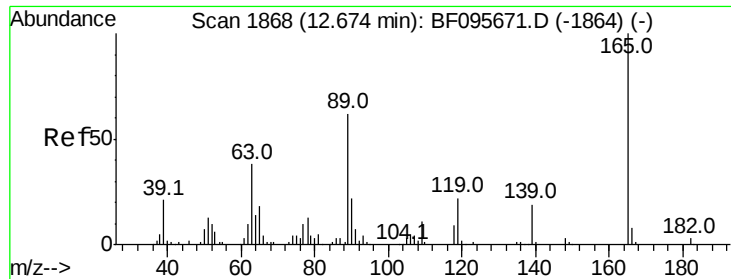
Tot Ion:163 Resp: 41948
Ion Ratio Lower Upper
163 100
194 4.6 2.6 4.0#
164 10.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.84 ng
RT: 12.22 min Scan# 1808
Delta R.T. 0.21 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion:165 Resp: 15941
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#





#55

4-Nitrophenol

Concen: 7.76 ng

RT: 12.57 min Scan# 1868

Delta R.T. -0.10 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampleId :

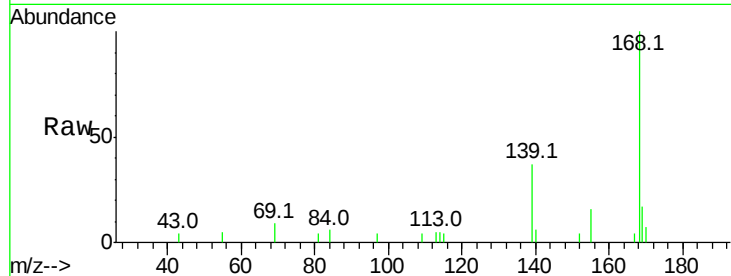
Tot Ion:139 Resp: 4599

Ion Ratio Lower Upper

139 100

109 10.9 34.1 74.1#

65 0.0 31.4 71.4#

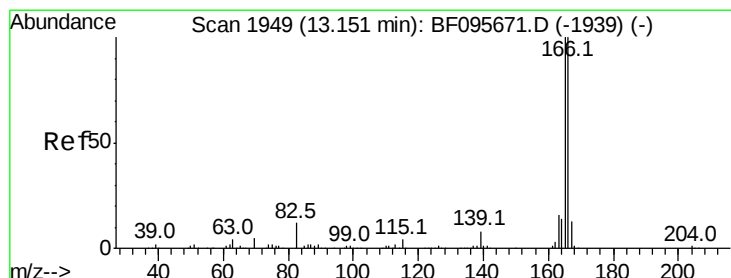
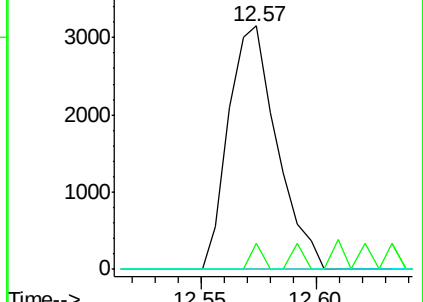
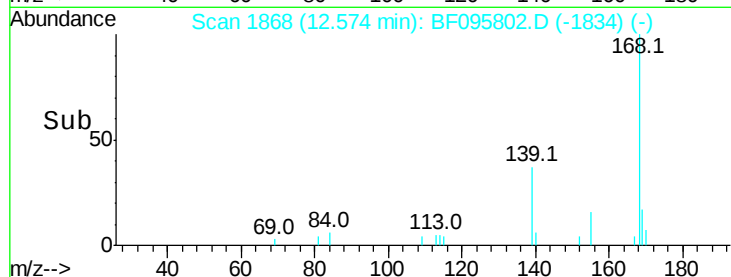


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->



#57

Fluorene

Concen: 2.25 ng

RT: 13.12 min Scan# 1960

Delta R.T. -0.04 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

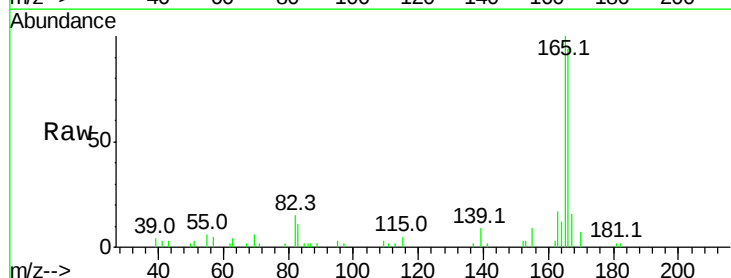
Tgt Ion:166 Resp: 21499

Ion Ratio Lower Upper

166 100

165 106.9 78.8 118.2

167 17.0 10.6 16.0#

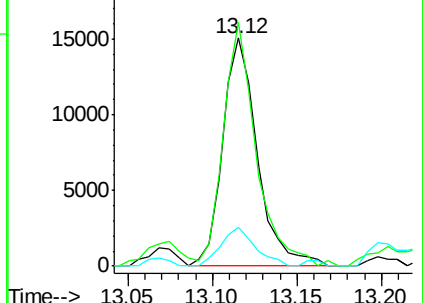
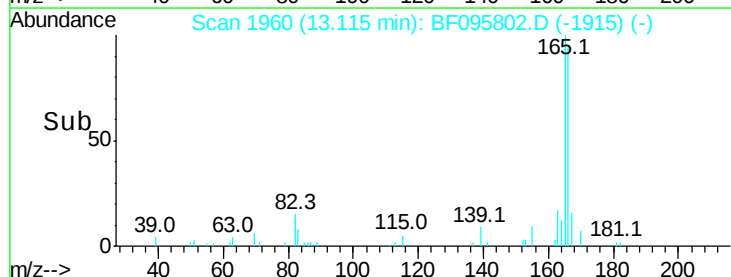


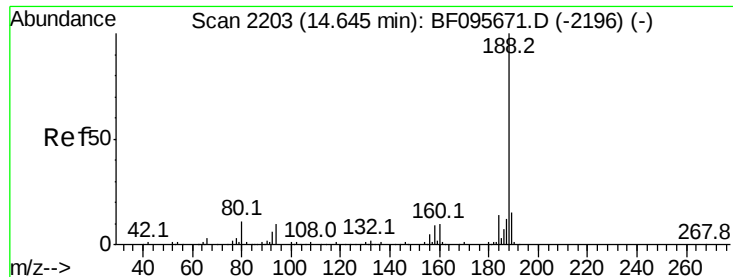
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

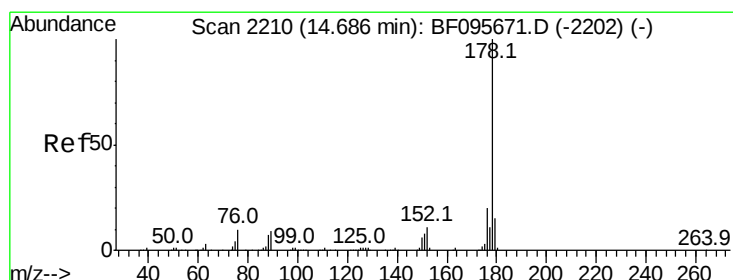
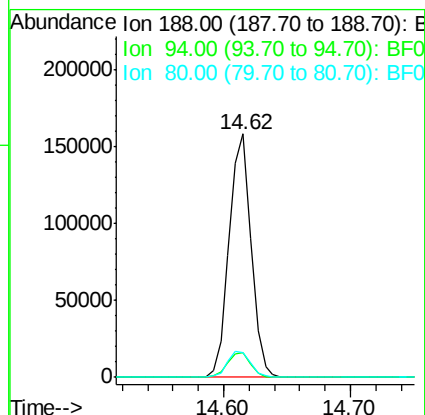
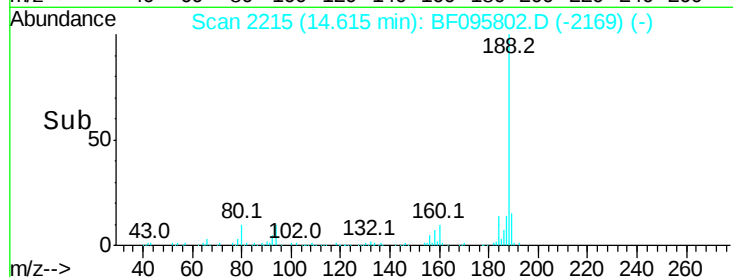
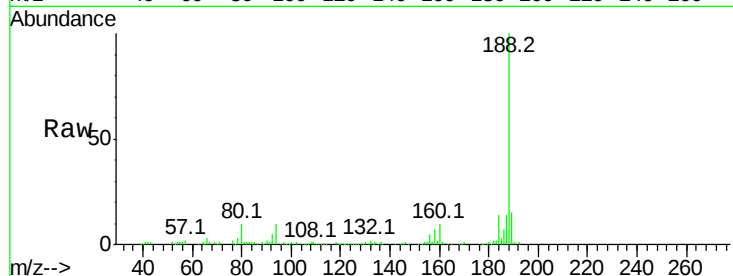




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

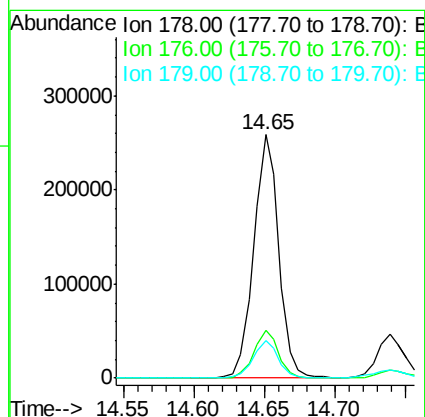
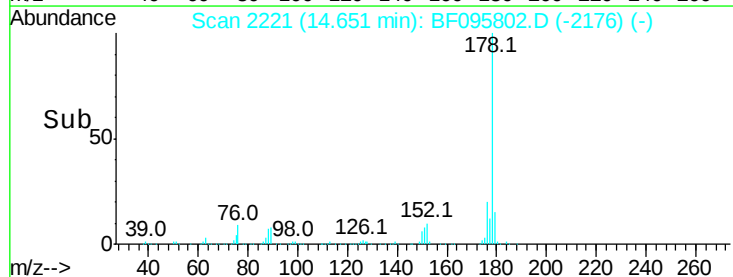
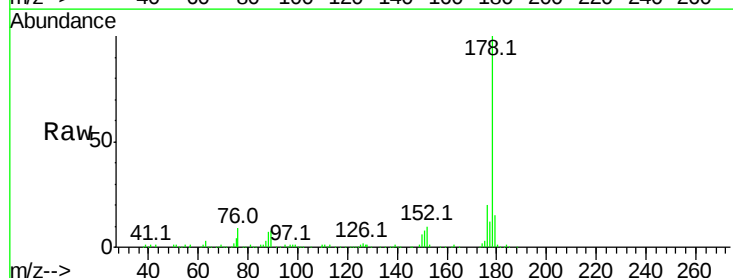
Instrument :
BNA_F
ClientSampleId :

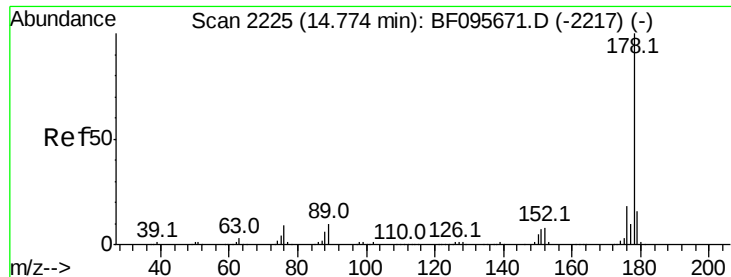
Tot Ion:188 Resp: 189497
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.2 10.2 15.2



#70
Phenanthrene
Concen: 29.49 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion:178 Resp: 322398
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.4 12.6 19.0





#71

Anthracene

Concen: 5.41 ng

RT: 14.74 min Scan# 2236

Delta R.T. -0.04 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampleId :

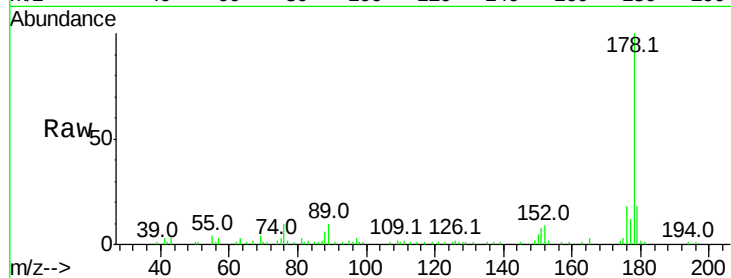
Tot Ion:178 Resp: 61778

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

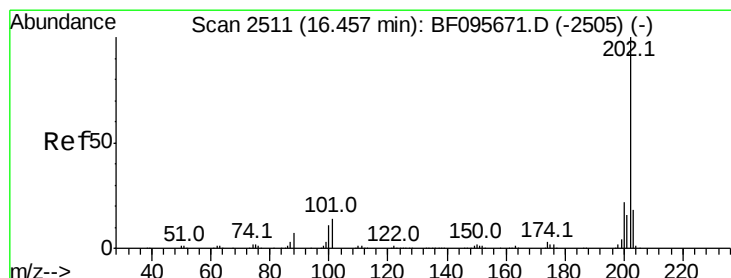
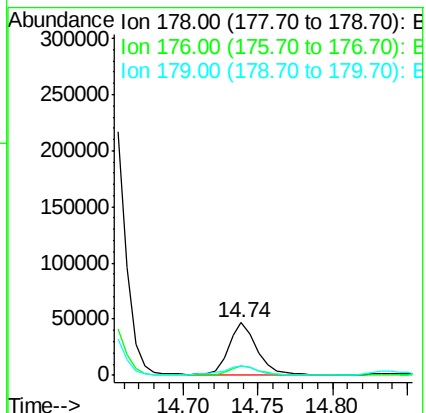
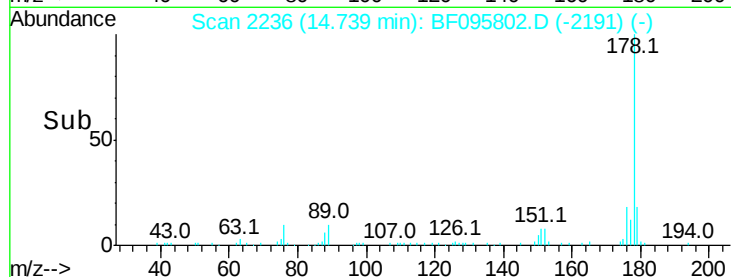
179 17.7 12.7 19.1



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: 37.36 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

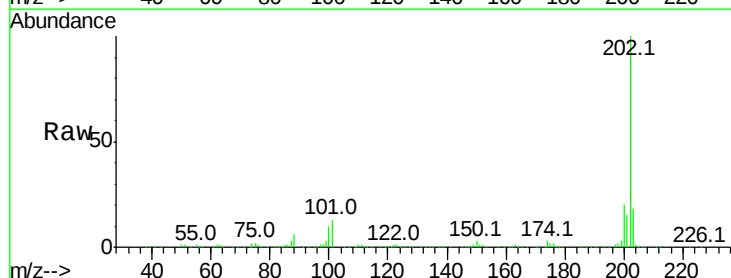
Tgt Ion:202 Resp: 404348

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

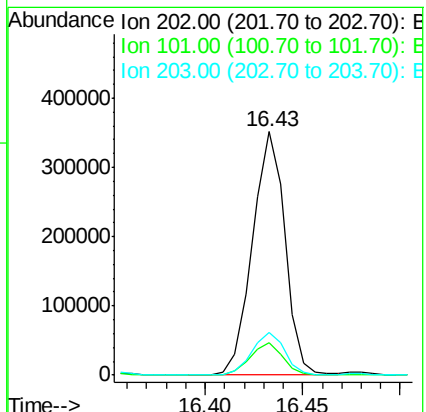
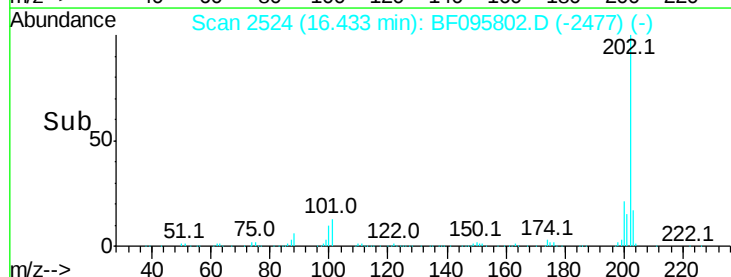
203 17.5 0.0 38.1

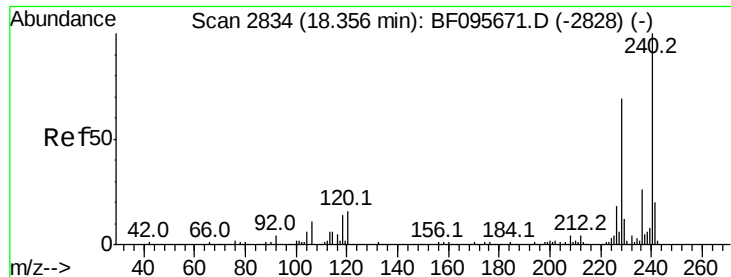


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampleId :

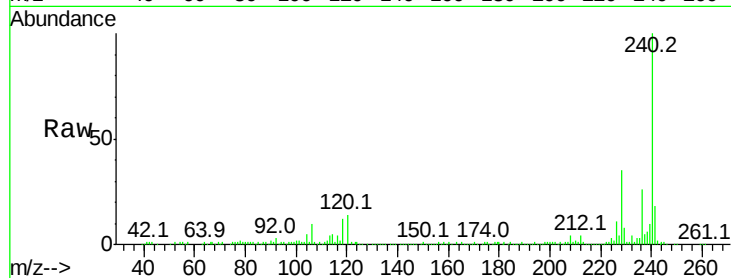
Tot Ion:240 Resp: 145388

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

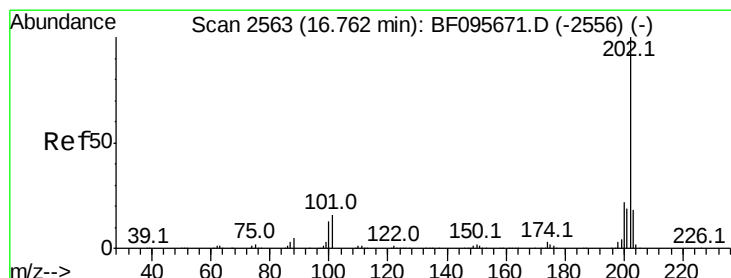
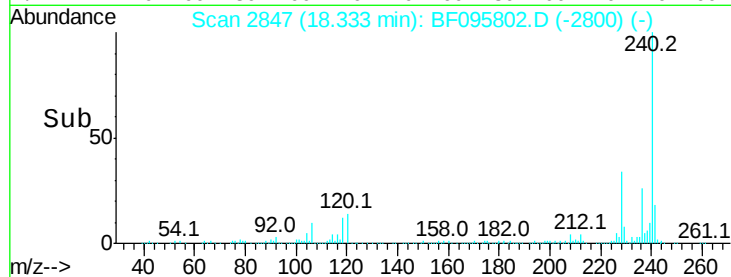
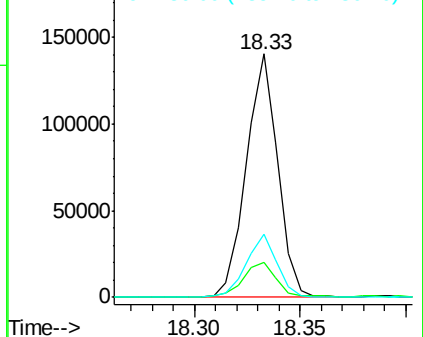
236 25.8 20.5 30.7



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: 42.19 ng

RT: 16.74 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

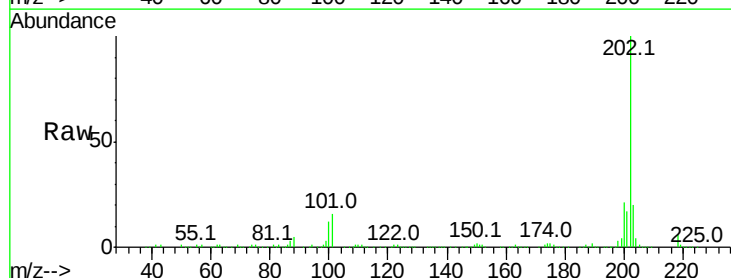
Tgt Ion:202 Resp: 457633

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

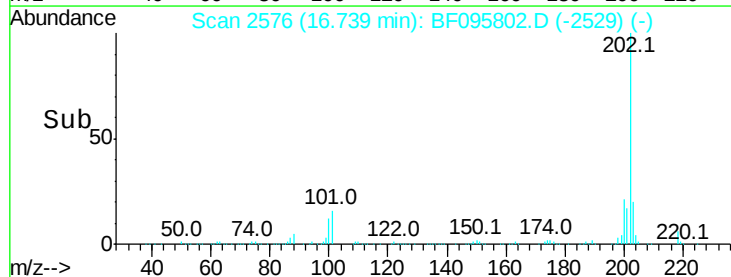
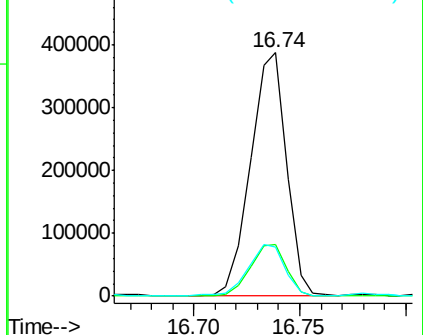
203 20.0 14.4 21.6

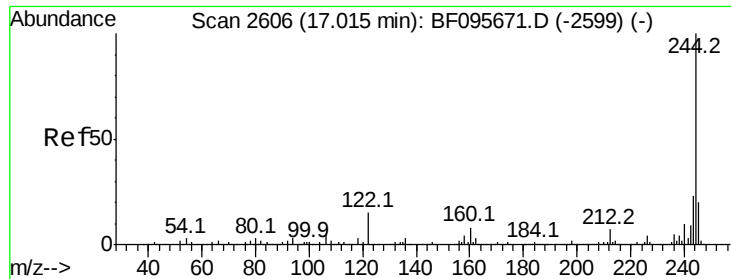


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.58 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampleId :

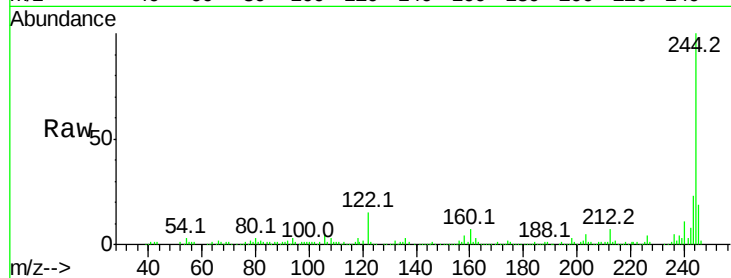
Tot Ion:244 Resp: 208468

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

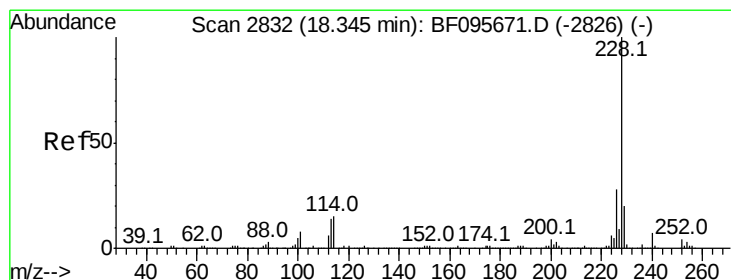
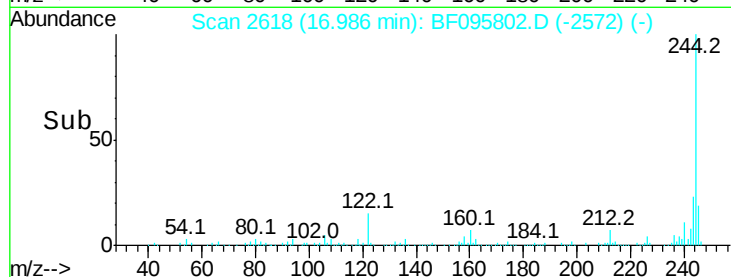
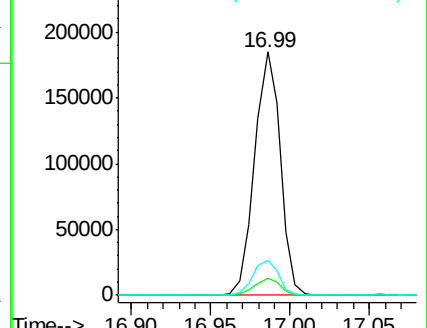
122 14.6 10.3 15.5



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: 24.17 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

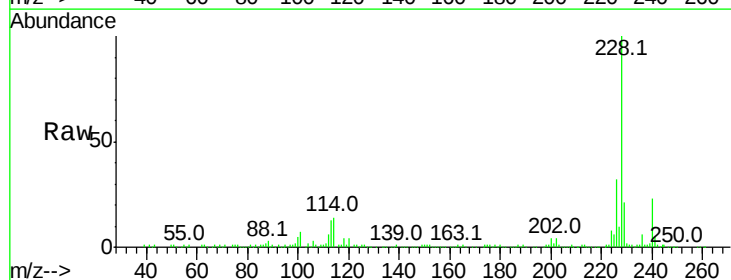
Tgt Ion:228 Resp: 204290

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

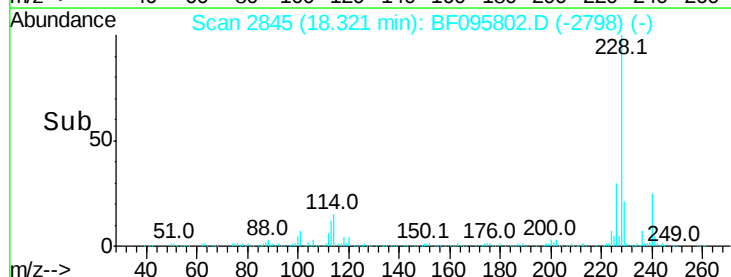
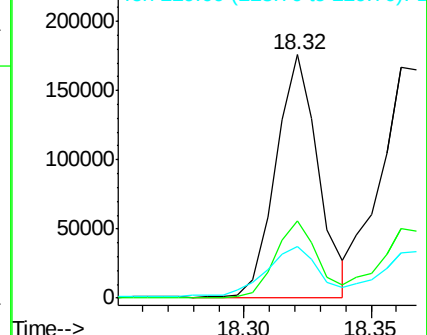
229 21.2 16.3 24.5

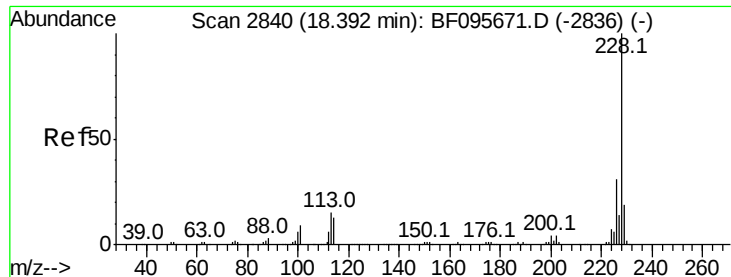


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 26.83 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095802.D

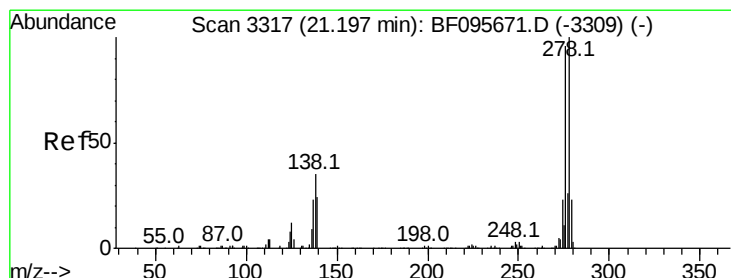
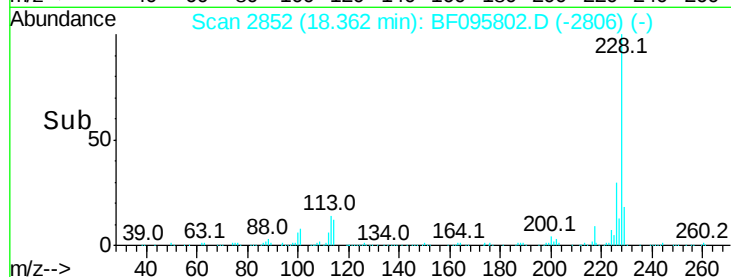
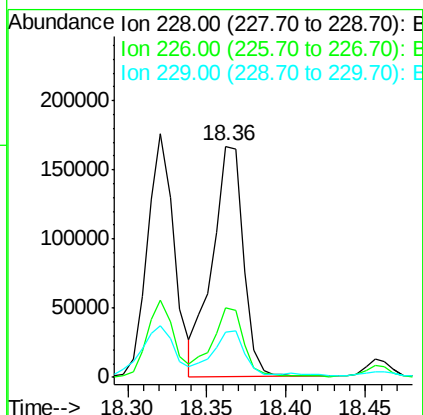
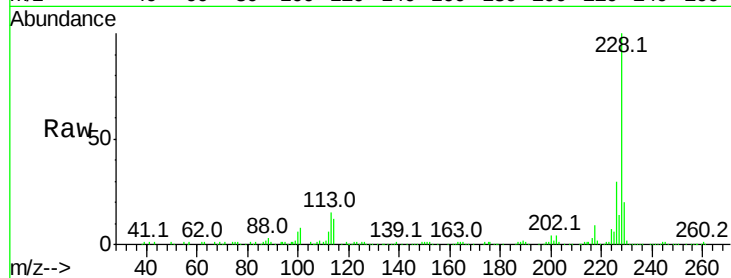
Acq: 9 Jun 2017 1:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:	228	Resp:	226667
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	19.7	15.8	23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.06 ng

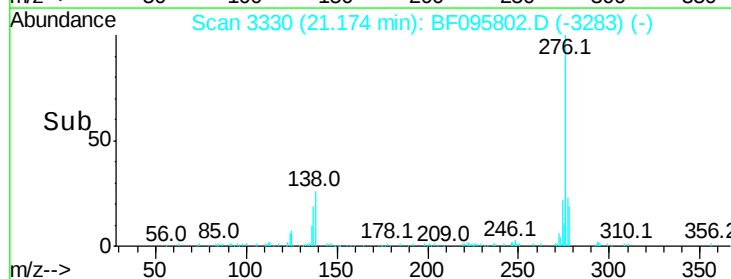
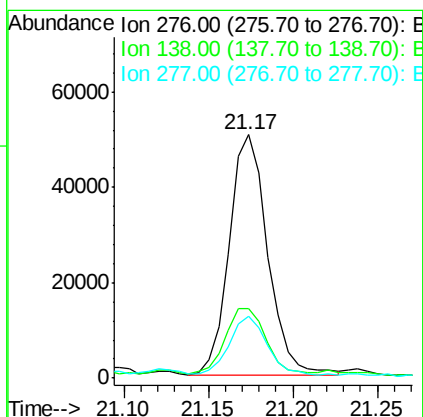
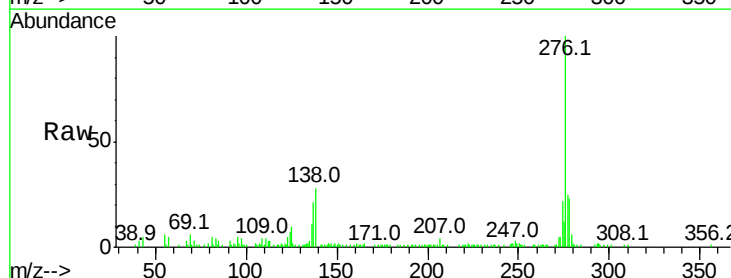
RT: 21.17 min Scan# 3330

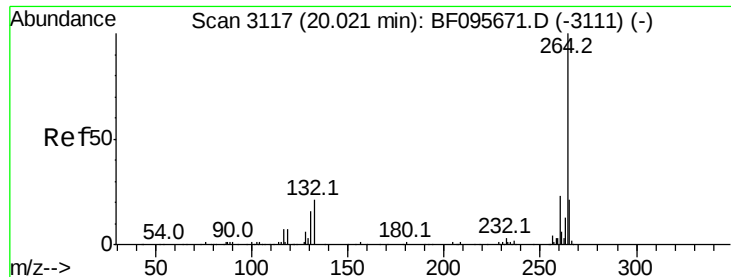
Delta R.T. -0.02 min

Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Tgt Ion:	276	Resp:	79955
Ion	Ratio	Lower	Upper
276	100		
138	29.6	27.8	41.6
277	23.4	20.2	30.4

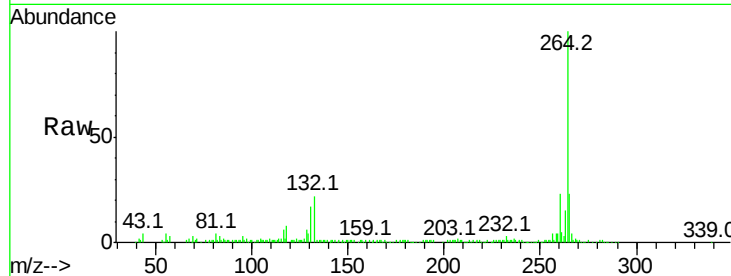




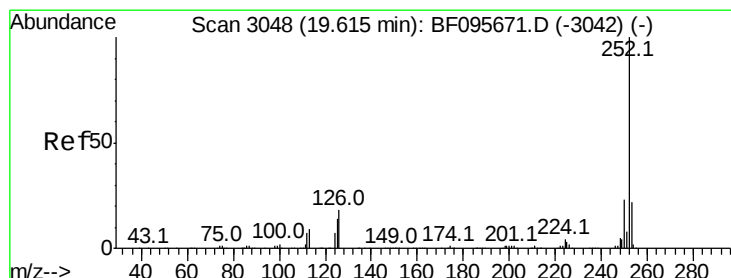
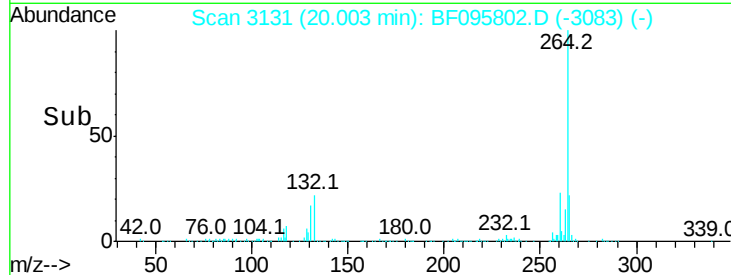
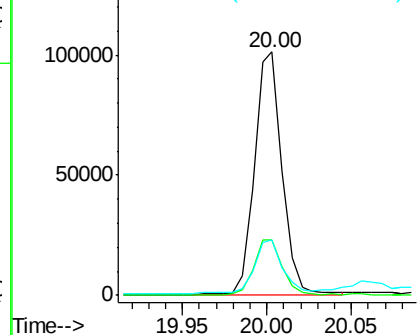
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 115976
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 22.6 17.2 25.8

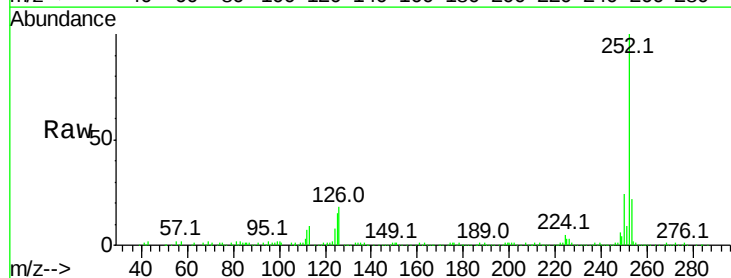


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

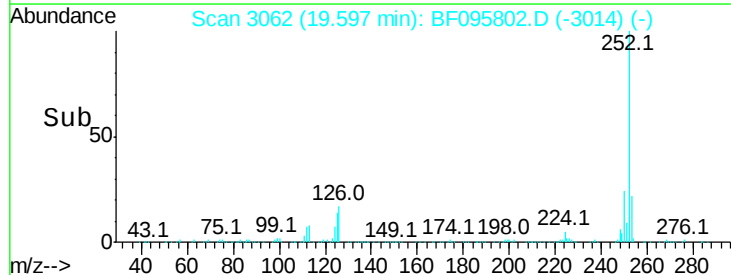
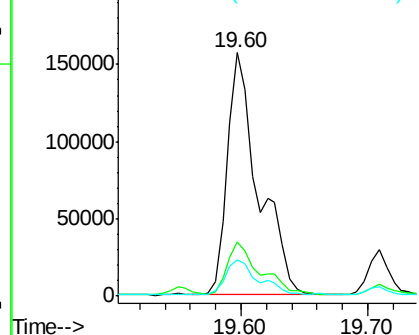


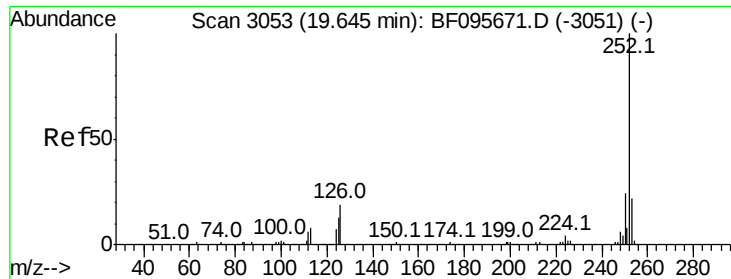
#87
Benzo(b)fluoranthene
Concen: 36.72 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion:252 Resp: 266651
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 15.1 9.8 14.8#



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





#88

Benzo(k)fluoranthene

Concen: 38.41 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

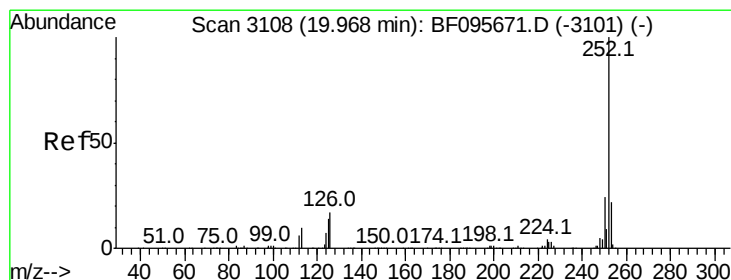
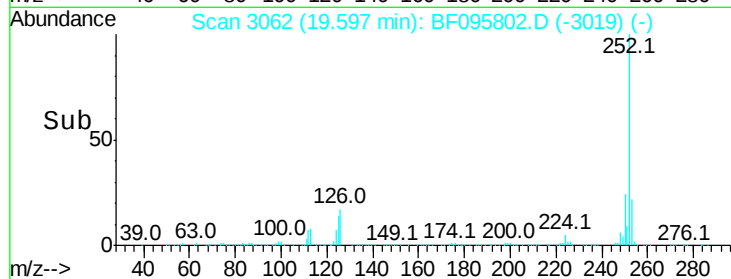
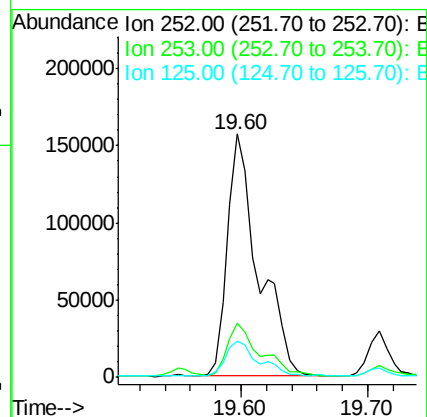
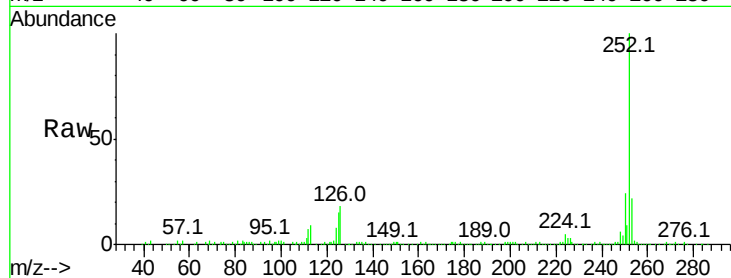
Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 266651

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	15.1	13.1	19.7



#89

Benzo(a)pyrene

Concen: 21.88 ng

RT: 19.94 min Scan# 3121

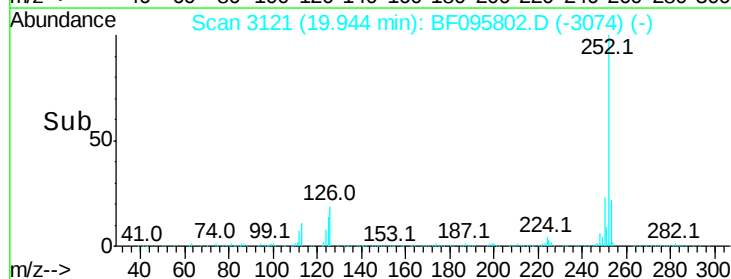
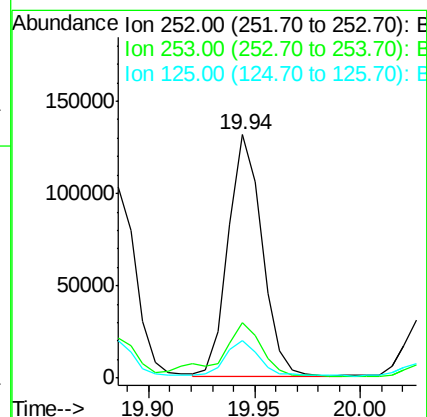
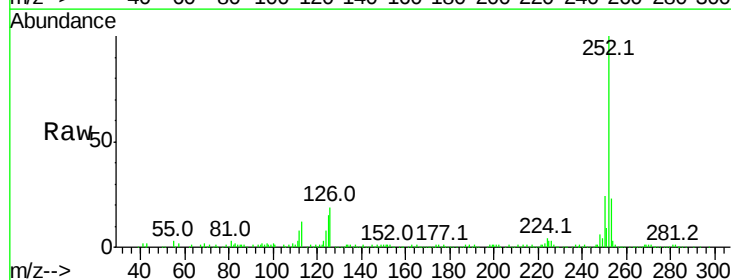
Delta R.T. -0.02 min

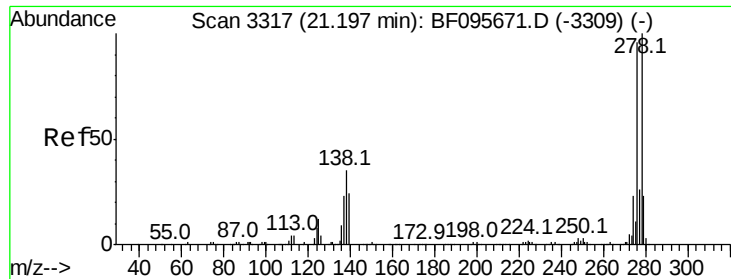
Lab File: BF095802.D

Acq: 9 Jun 2017 1:18

Tgt Ion:252 Resp: 146038

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.3	11.0	16.4

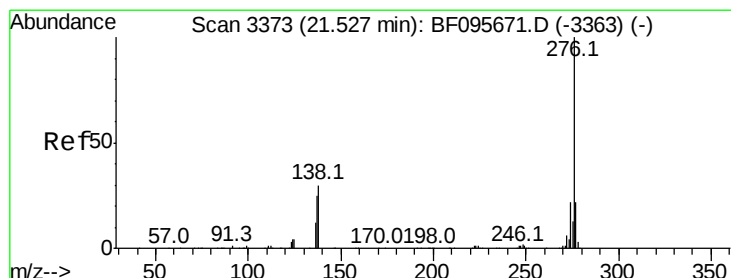
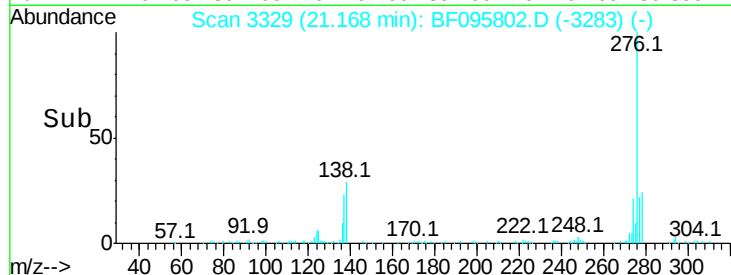
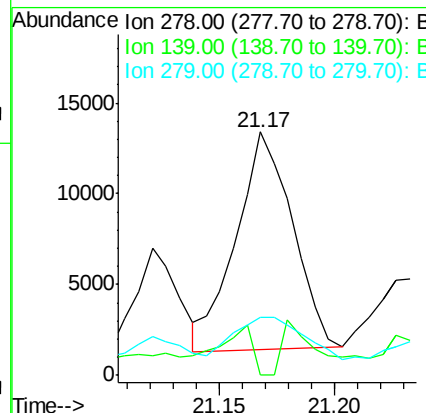
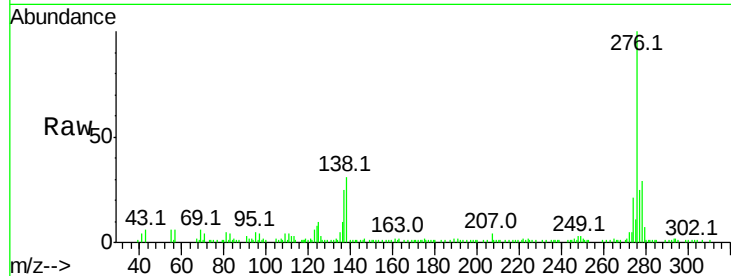




#90
Dibenzo(a,h)anthracene
Concen: 3.59 ng
RT: 21.17 min Scan# 3329
Delta R.T. -0.03 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 20307
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 24.0 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 13.23 ng
RT: 21.50 min Scan# 3386
Delta R.T. -0.02 min
Lab File: BF095802.D
Acq: 9 Jun 2017 1:18

Tgt Ion:276 Resp: 76357
Ion Ratio Lower Upper
276 100
277 25.7 18.6 28.0
138 30.3 25.4 38.0

