

Data Path : Z:\HPCHEM1\BNA F\Data\BF040317\
 Data File : BF094156.D
 Acq On : 4 Apr 2017 8:57
 Operator : SJ/MA
 Sample : I2510-08
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 11:29:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	167782	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	640677	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	248033	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	368445	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	302592	20.00	ng	0.00
86) Perylene-d12	16.25	264	218306	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	964422	97.09	ng	0.00
7) Phenol-d6	5.50	99	1212742	98.69	ng	-0.01
23) Nitrobenzene-d5	6.54	82	661099	58.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	169443	86.45	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1209060	74.35	ng	-0.02
78) Terphenyl-d14	13.34	244	751837	55.69	ng	-0.01

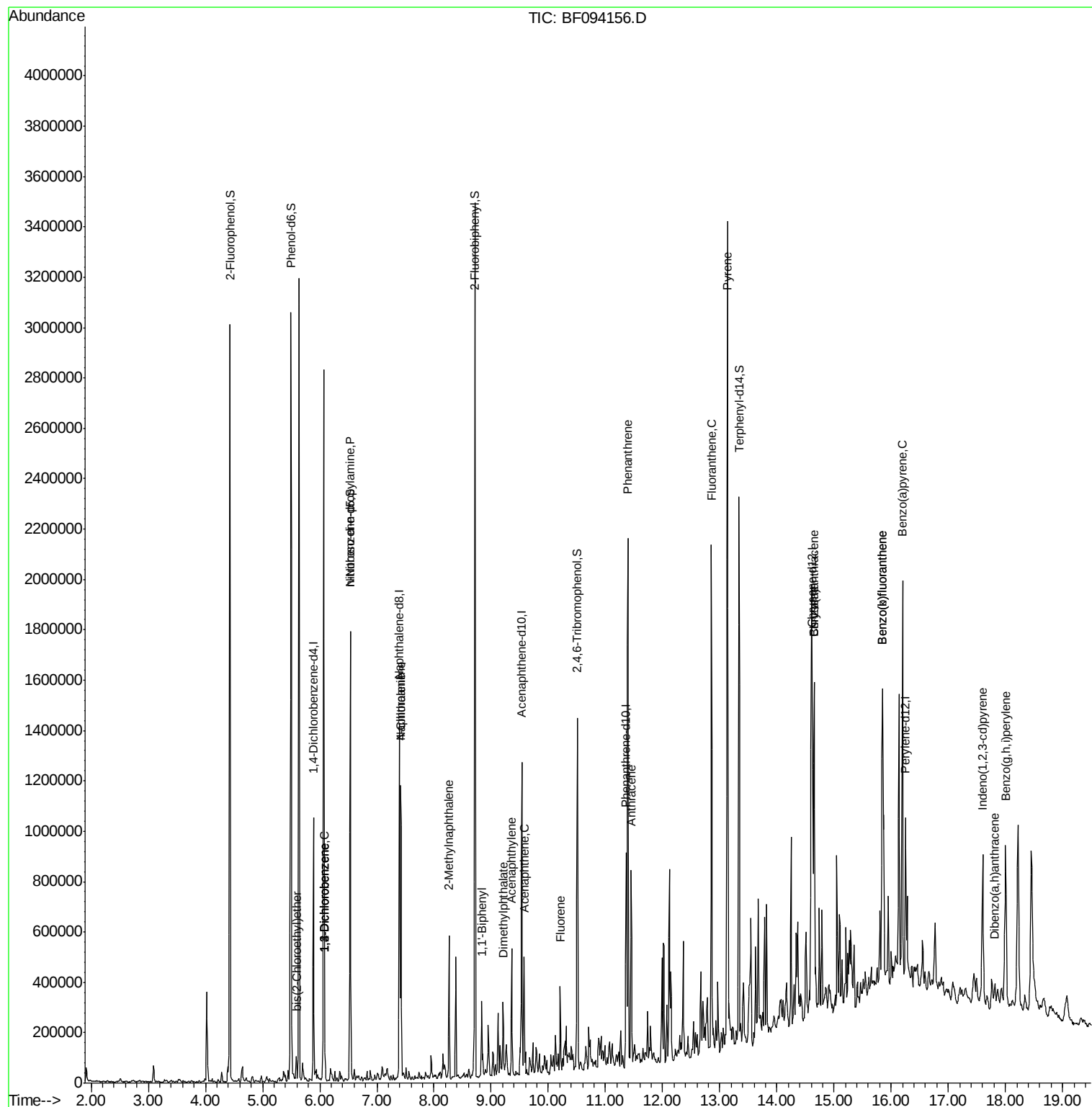
Target Compounds				Qvalue		
11) bis(2-Chloroethyl)ether	5.59	93	33677	3.08	ng	94
12) 1,3-Dichlorobenzene	6.09	146	25104	2.05	ng	99
13) 1,4-Dichlorobenzene	6.09	146	25105	2.02	ng	96
14) 1,2-Dichlorobenzene	6.09	146	25105	2.20	ng	96
19) n-Nitroso-di-n-propylamine	6.54	70	87548	11.08	ng	# 75
31) Naphthalene	7.42	128	543548	17.64	ng	100
33) 4-Chloroaniline	7.42	127	70735	5.67	ng	# 32
37) 2-Methylnaphthalene	8.26	142	164713	8.02	ng	98
45) 1,1'-Biphenyl	8.83	154	94199	4.71	ng	98
48) Acenaphthylene	9.36	152	215458	8.28	ng	99
49) Dimethylphthalate	9.21	163	104347	5.92	ng	# 99
51) Acenaphthene	9.57	154	102991	6.78	ng	98
57) Fluorene	10.21	166	91646	5.35	ng	# 96
70) Phenanthrene	11.39	178	871516	42.52	ng	98
71) Anthracene	11.45	178	307975	14.59	ng	98
74) Fluoranthene	12.86	202	882366	42.04	ng	99
77) Pyrene	13.14	202	1656642	75.44	ng	100
80) Benzo(a)anthracene	14.65	228	573800	32.52	ng	96
82) Chrysene	14.65	228	573800	35.04	ng	98
85) Indeno(1,2,3-cd)pyrene	17.60	276	354495	25.00	ng	95
87) Benzo(b)fluoranthene	15.84	252	888186	66.37	ng	# 97
88) Benzo(k)fluoranthene	15.84	252	888186	67.84	ng	97
89) Benzo(a)pyrene	16.20	252	677533	54.98	ng	99
90) Dibenzo(a,h)anthracene	17.82	278	63292	6.06	ng	93
91) Benzo(g,h,i)perylene	18.00	276	498781	47.43	ng	99

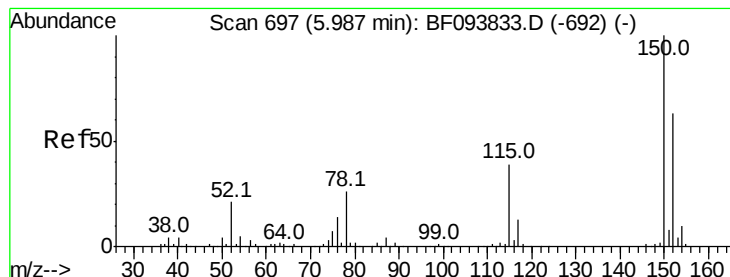
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

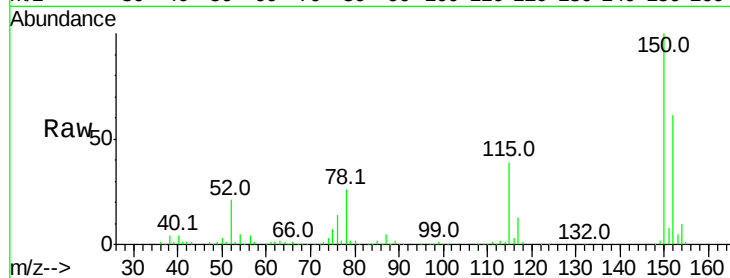
Tot Ion:152 Resp: 167782

Ion Ratio Lower Upper

152 100

150 163.4 126.2 189.2

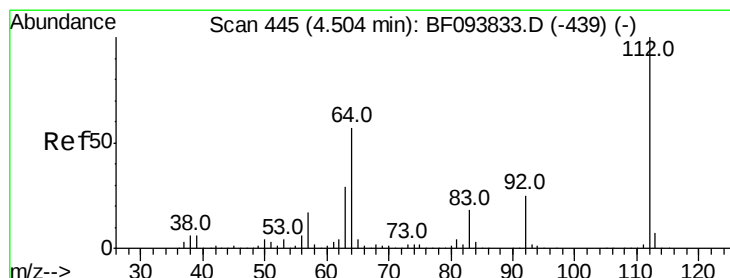
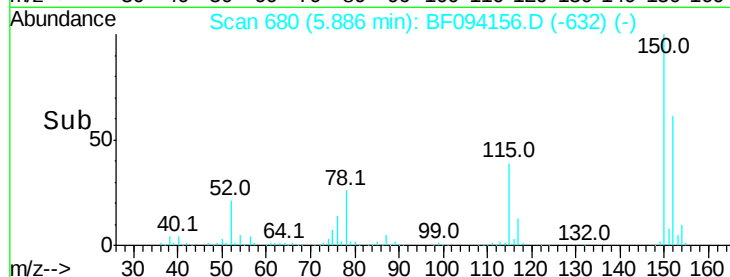
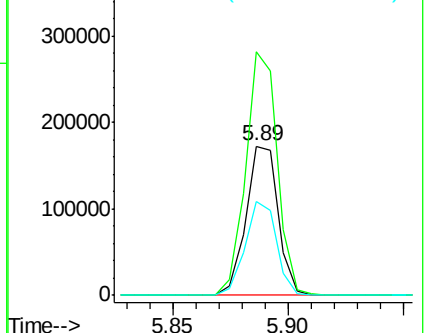
115 63.2 52.2 78.2



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: 97.09 ng

RT: 4.43 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

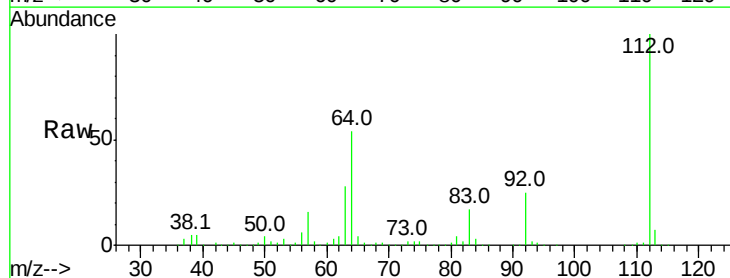
Tgt Ion:112 Resp: 964422

Ion Ratio Lower Upper

112 100

64 54.2 46.0 69.0

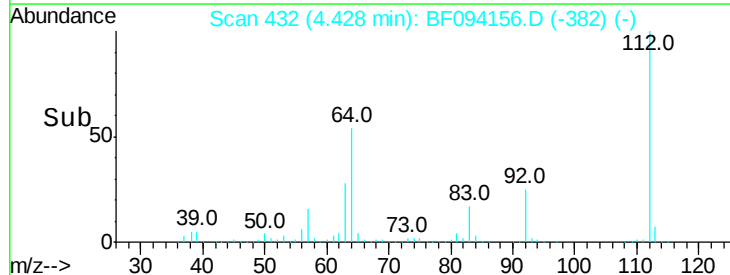
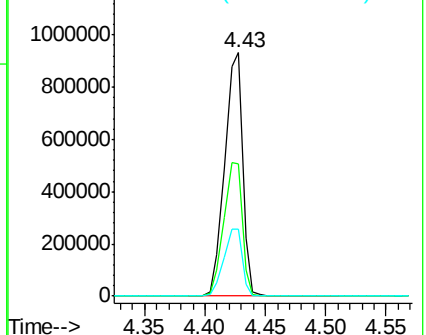
63 27.5 23.4 35.0

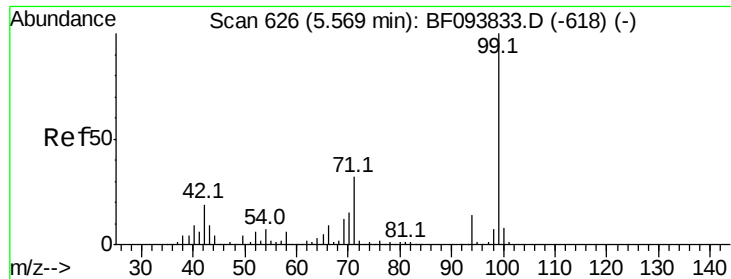


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.69 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

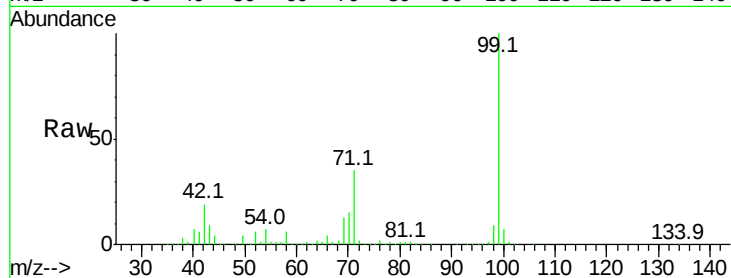
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1212742

Ion	Ratio	Lower	Upper
99	100		
42	18.9	13.5	20.3
71	34.9	24.5	36.7

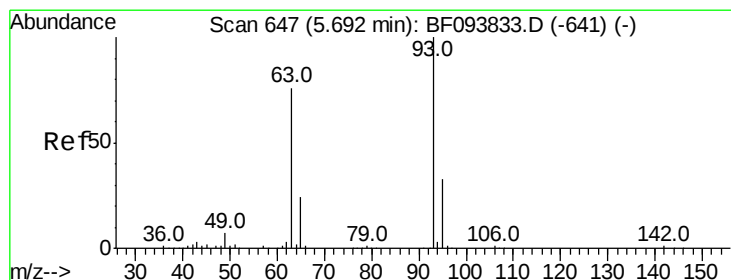
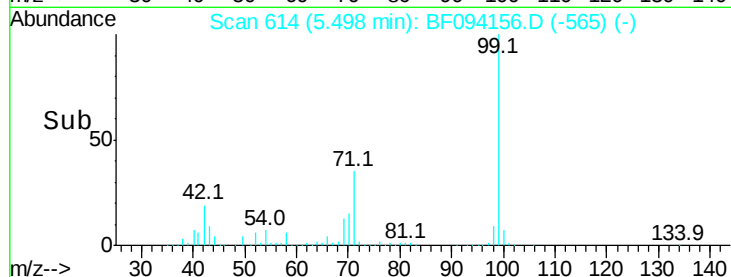
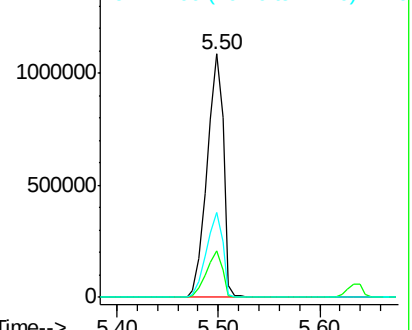


Abundance

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



#11

bis(2-Chloroethyl)ether

Concen: 3.08 ng

RT: 5.59 min Scan# 630

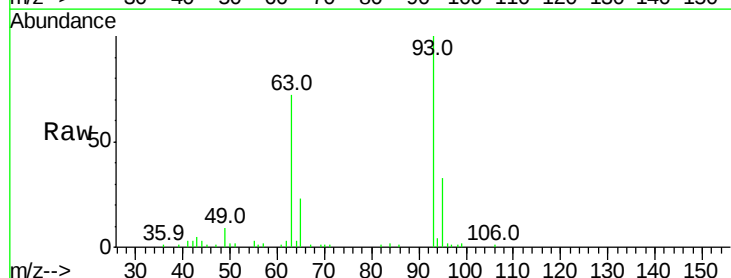
Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Tgt Ion: 93 Resp: 33677

Ion	Ratio	Lower	Upper
93	100		
63	71.9	59.2	99.2
95	32.8	12.8	52.8

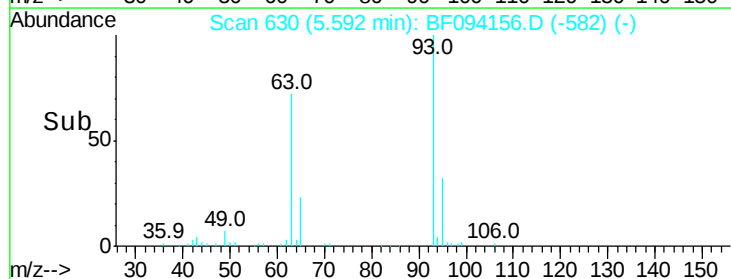
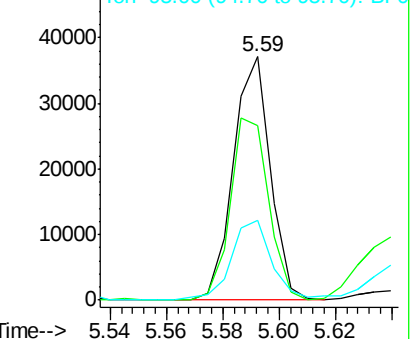


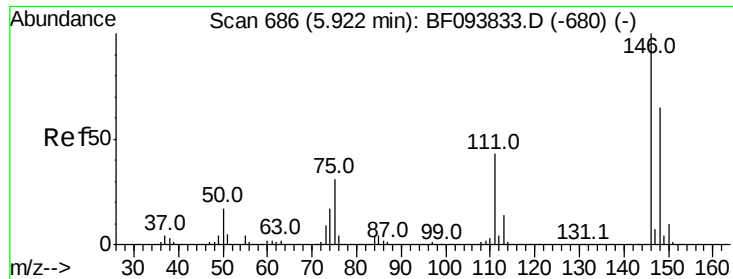
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

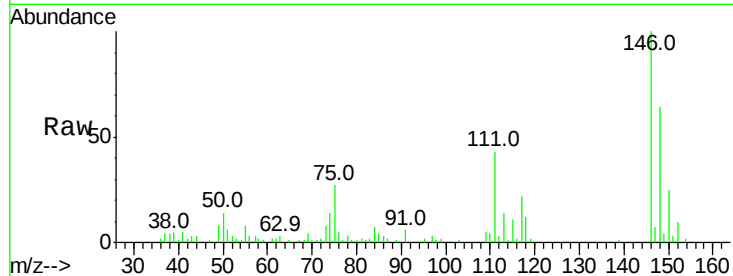




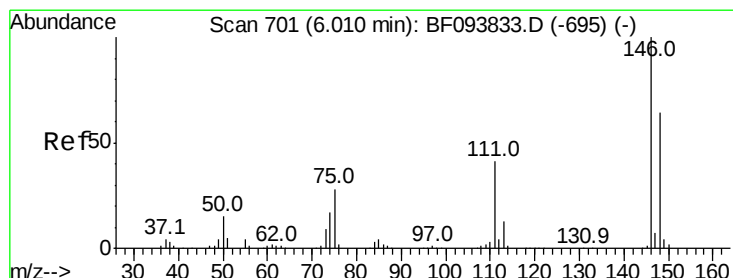
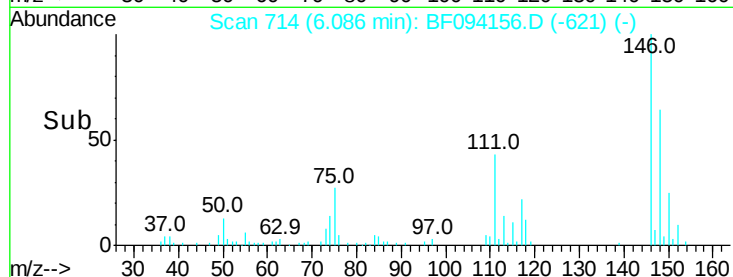
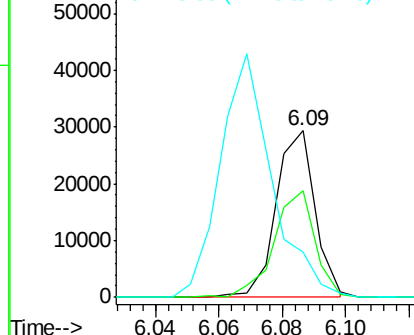
#12
 1,3-Dichlorobenzene
 Concen: 2.05 ng
 RT: 6.09 min Scan# 714
 Delta R.T. 0.25 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 25104
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.8 77.6
 75 27.1 23.1 34.7

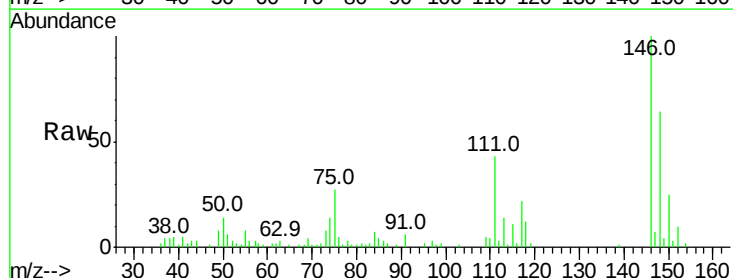


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

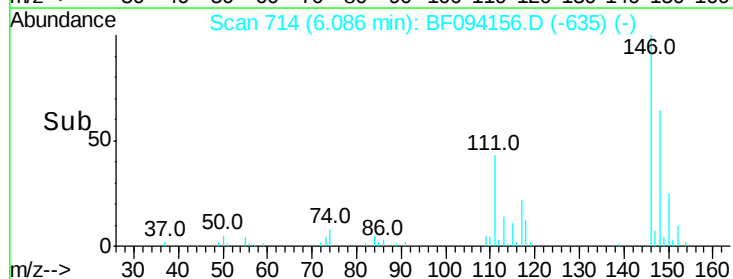
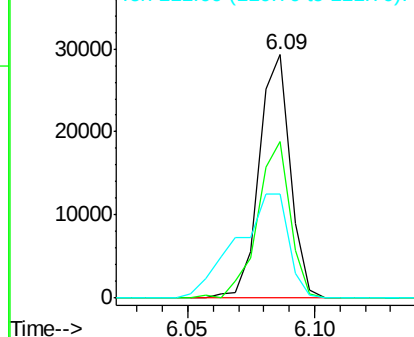


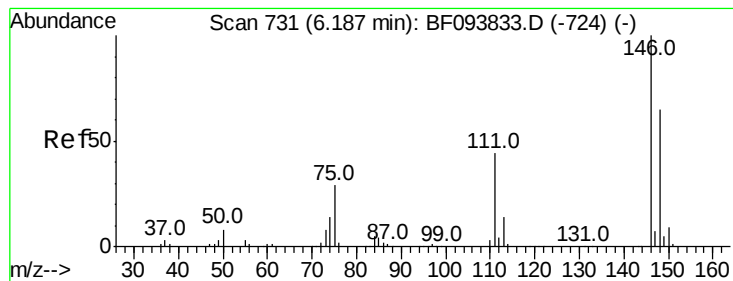
#13
 1,4-Dichlorobenzene
 Concen: 2.02 ng
 RT: 6.09 min Scan# 714
 Delta R.T. 0.16 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Tgt Ion:146 Resp: 25105
 Ion Ratio Lower Upper
 146 100
 148 64.2 52.2 78.2
 111 42.5 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

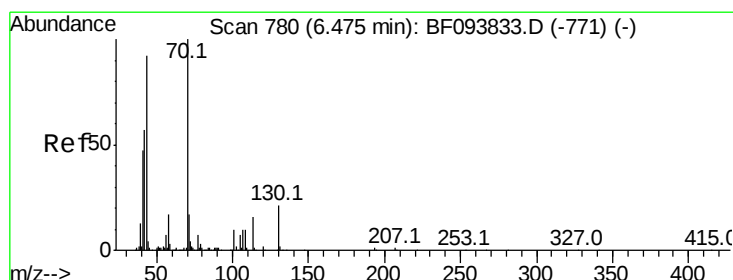
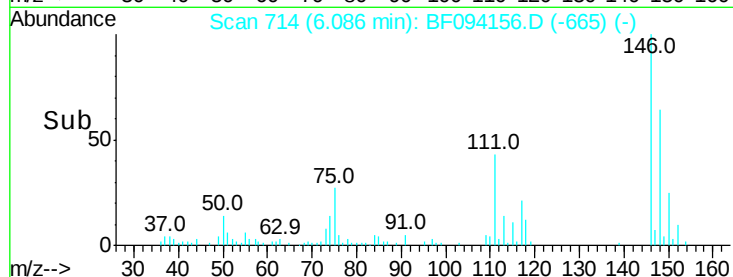
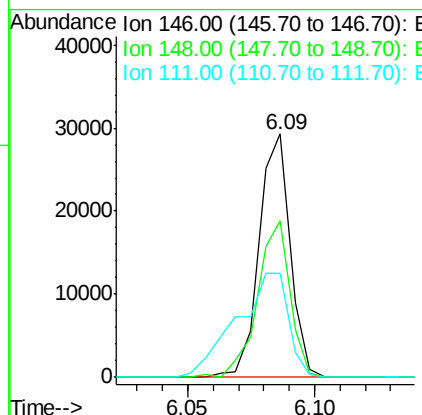
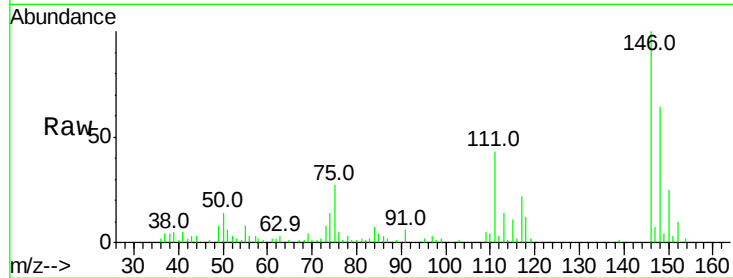




#14
 1,2-Dichlorobenzene
 Concen: 2.20 ng
 RT: 6.09 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

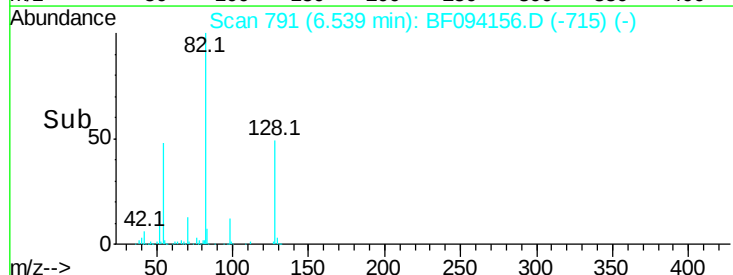
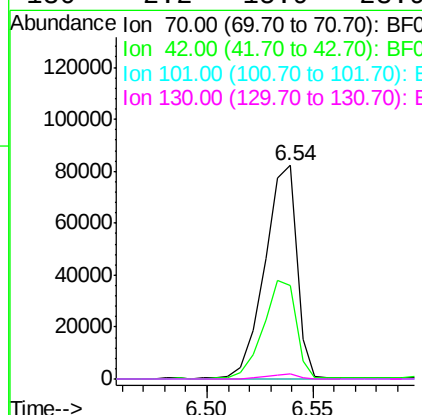
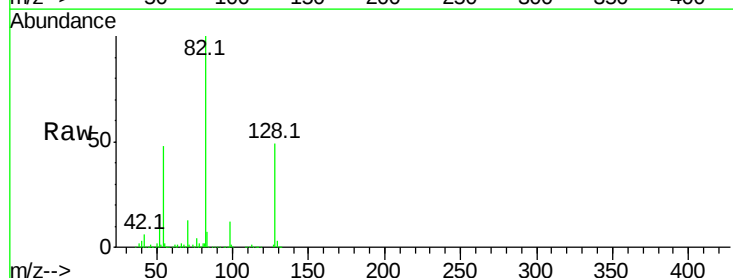
Instrument :
 BNA_F
 ClientSampleId :

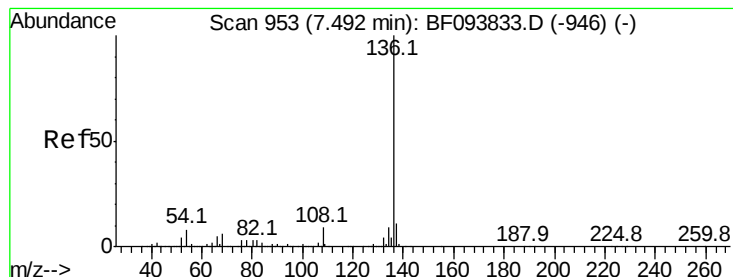
Tot Ion:146 Resp: 25105
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.4 75.6
 111 42.5 38.2 57.4



#19
 n-Nitroso-di-n-propylamine
 Concen: 11.08 ng
 RT: 6.54 min Scan# 791
 Delta R.T. 0.15 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Tgt Ion: 70 Resp: 87548
 Ion Ratio Lower Upper
 70 100
 42 43.7 47.2 70.8#
 101 0.0 7.2 10.8#
 130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 640677

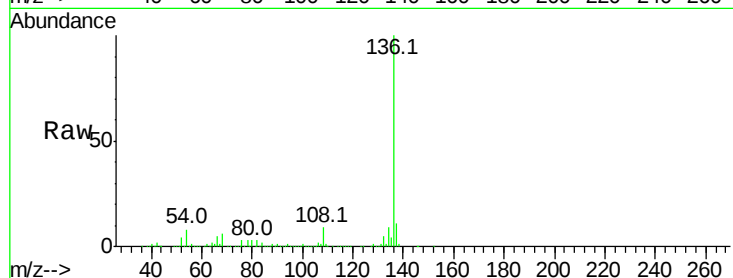
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.7 4.9 7.3#

68 5.9 4.1 6.1

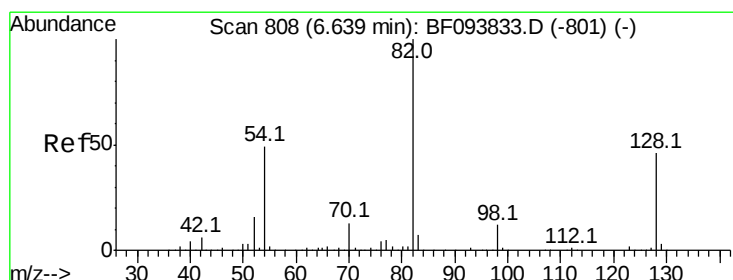
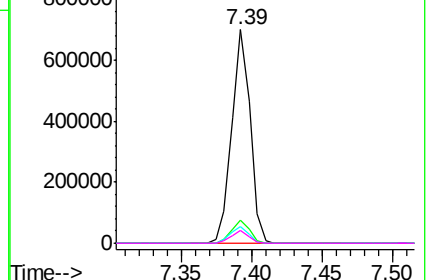
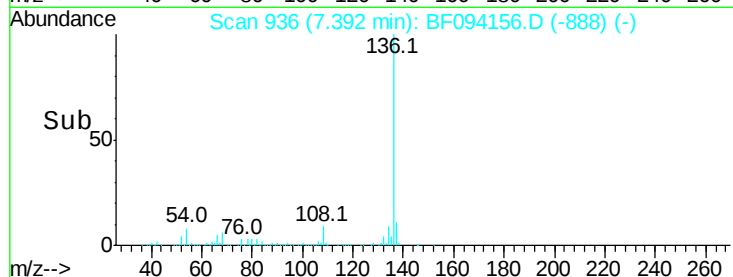


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.89 ng

RT: 6.54 min Scan# 791

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

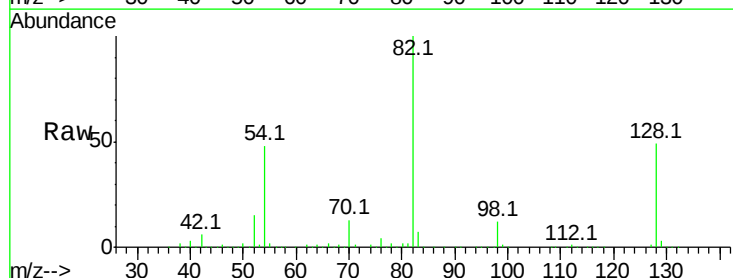
Tgt Ion: 82 Resp: 661099

Ion Ratio Lower Upper

82 100

128 48.9 34.0 51.0

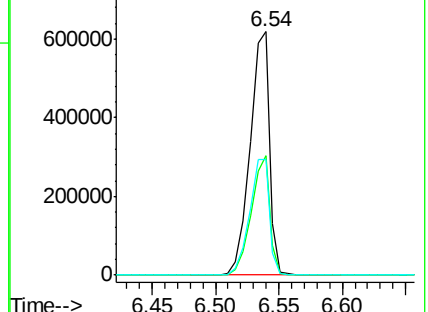
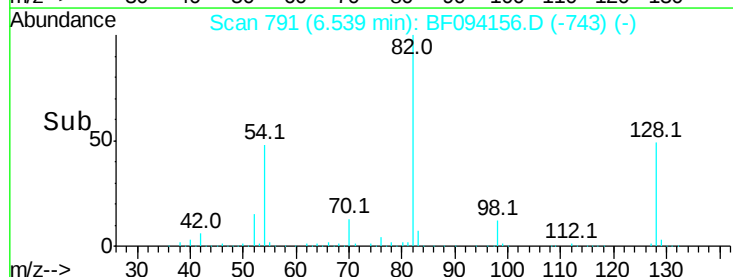
54 47.6 42.2 63.2

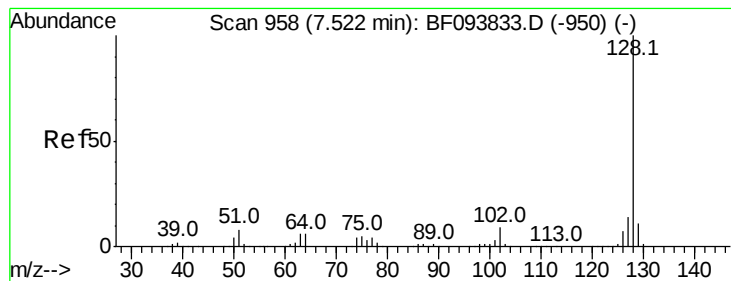


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 17.64 ng

RT: 7.42 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

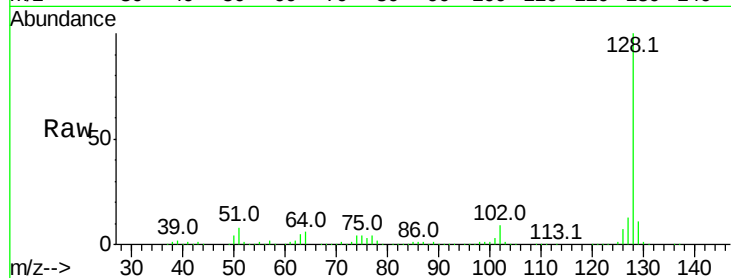
Tot Ion:128 Resp: 543548

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

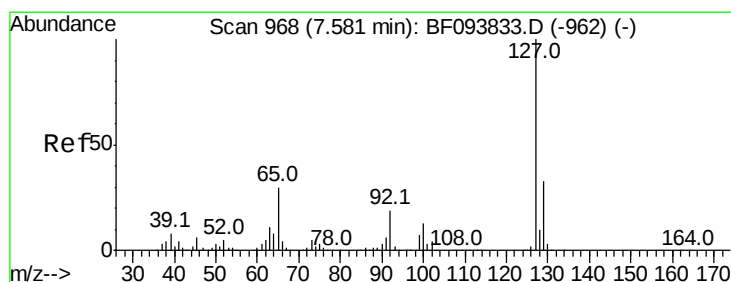
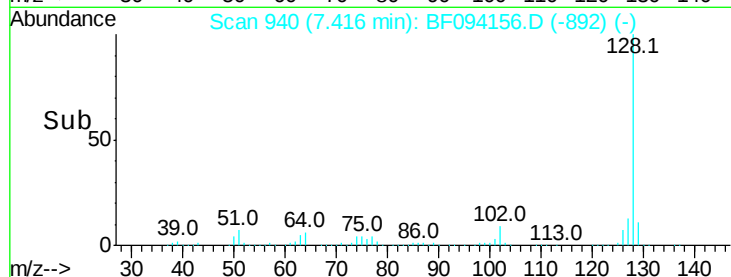
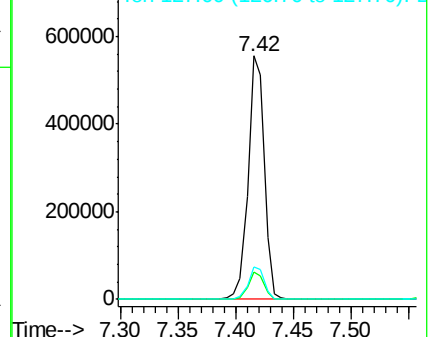
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 5.67 ng

RT: 7.42 min Scan# 940

Delta R.T. -0.09 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Tgt Ion:127 Resp: 70735

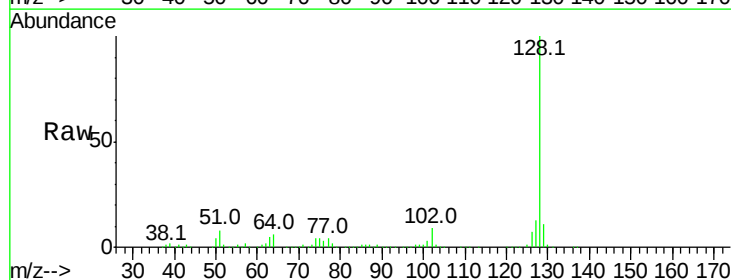
Ion Ratio Lower Upper

127 100

129 85.2 26.2 39.2#

65 0.0 27.8 41.8#

92 0.5 16.8 25.2#

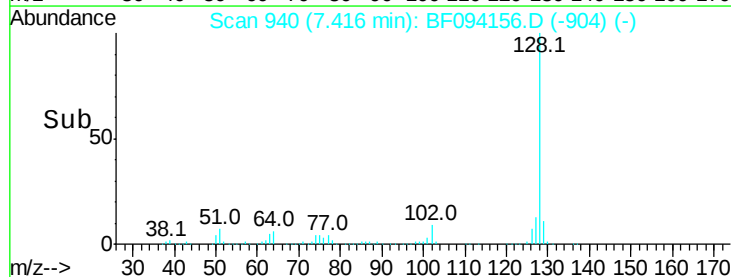
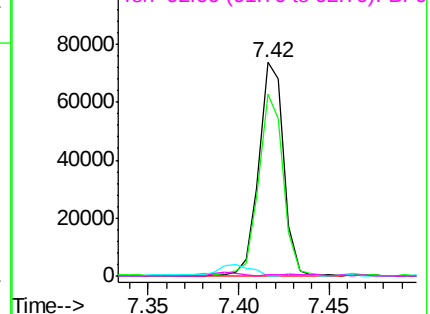


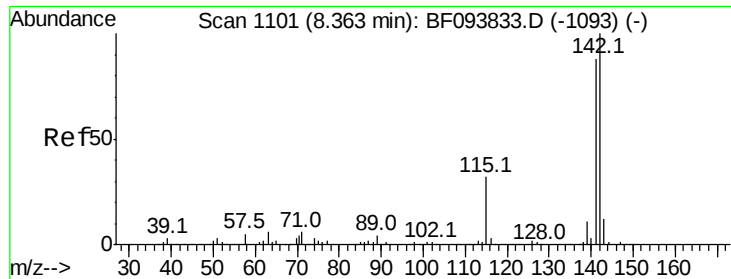
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

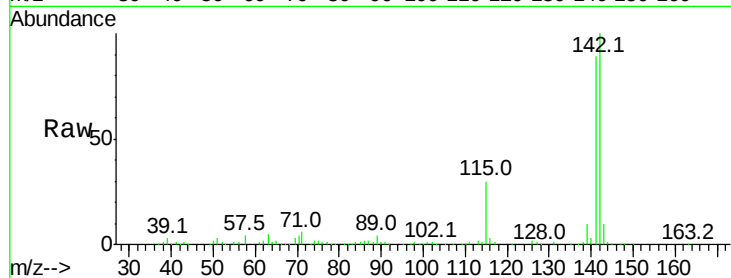




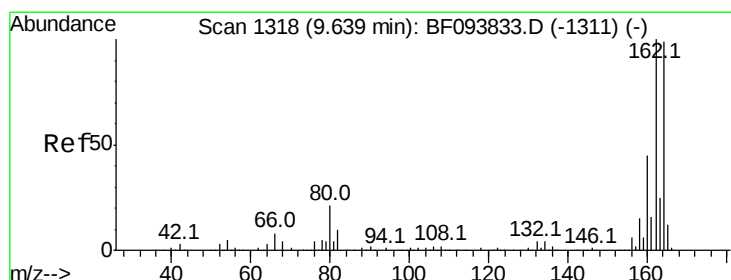
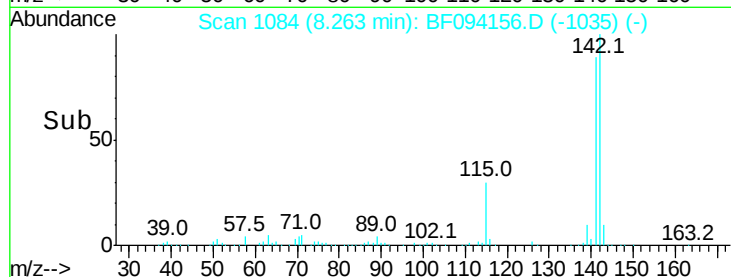
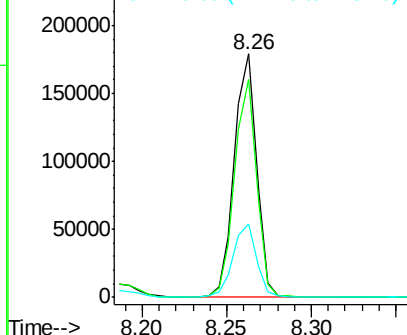
#37
 2-Methylnaphthalene
 Concen: 8.02 ng
 RT: 8.26 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:142 Resp: 164713
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.3 106.9
 115 30.0 27.1 40.7

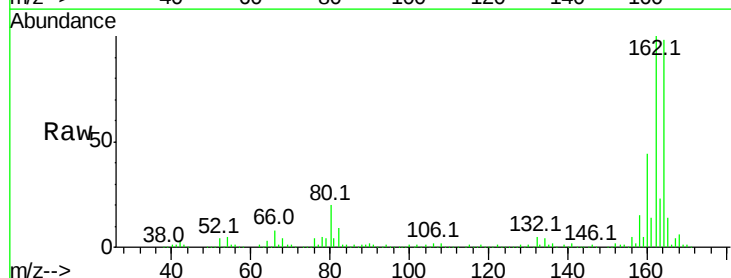


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

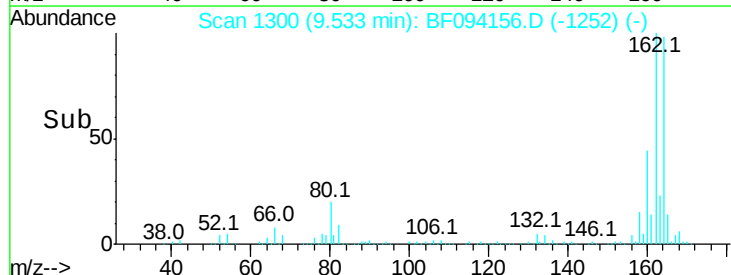
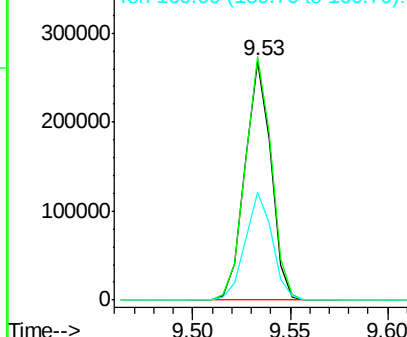


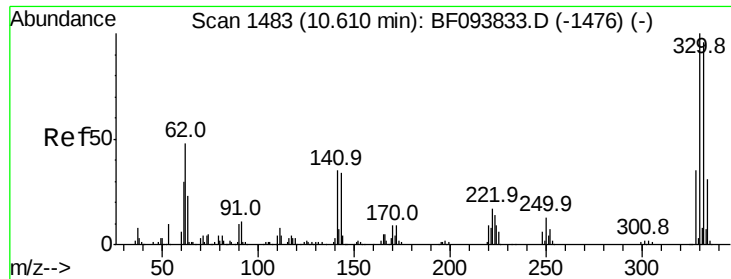
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Tgt Ion:164 Resp: 248033
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 45.0 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

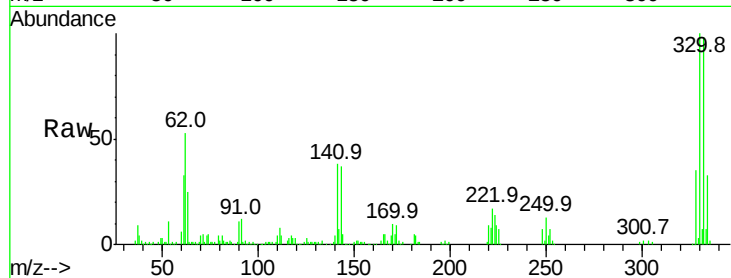




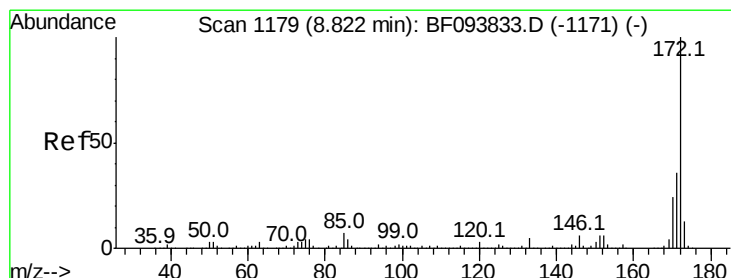
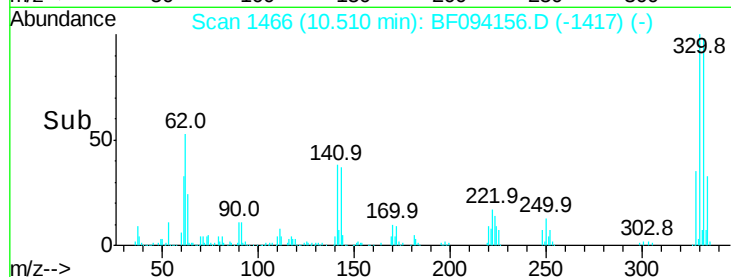
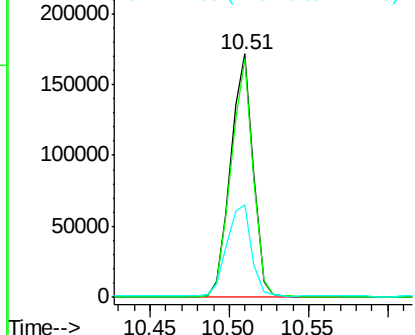
#41
 2,4,6-Tribromophenol
 Concen: 86.45 ng
 RT: 10.51 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 169443
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 41.0 31.4 47.2

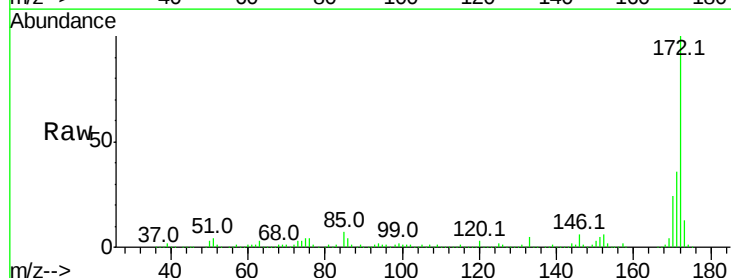


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

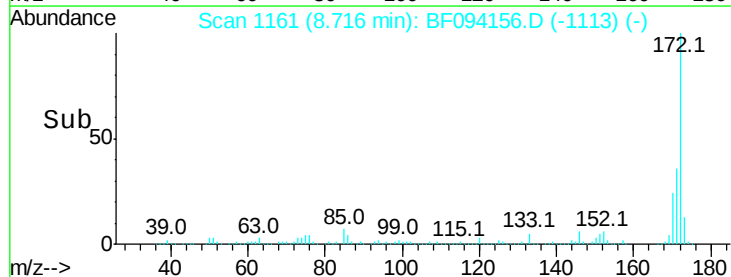
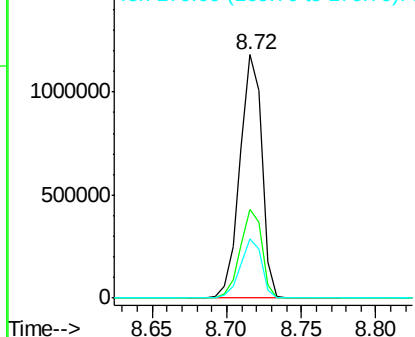


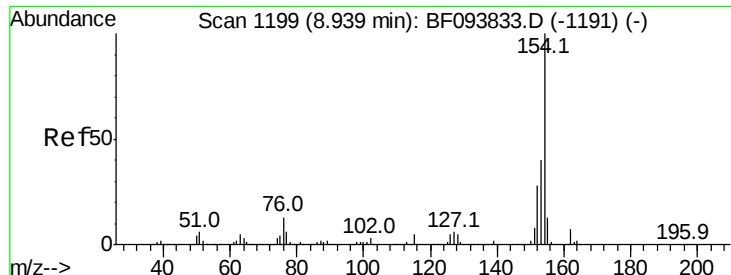
#44
 2-Fluorobiphenyl
 Concen: 74.35 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Tgt Ion:172 Resp: 1209060
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.3 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 4.71 ng

RT: 8.83 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

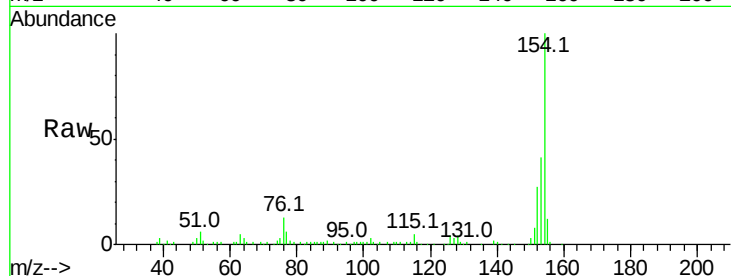
Tot Ion:154 Resp: 94199

Ion Ratio Lower Upper

154 100

153 40.7 21.2 61.2

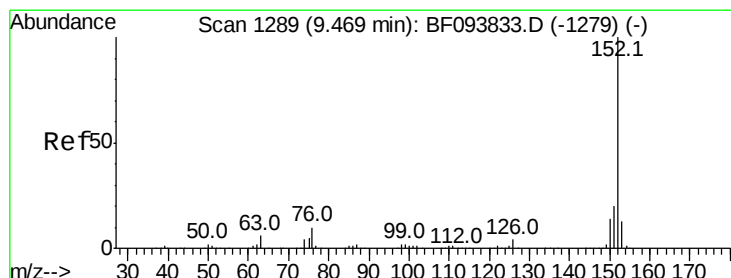
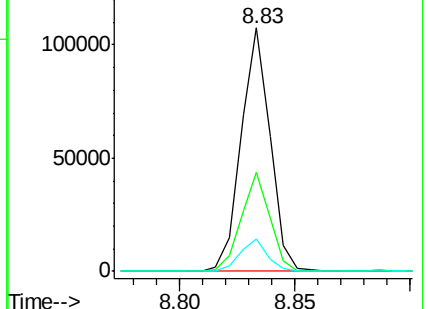
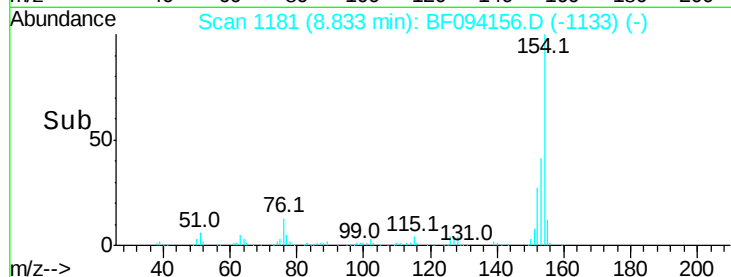
76 13.3 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 8.28 ng

RT: 9.36 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

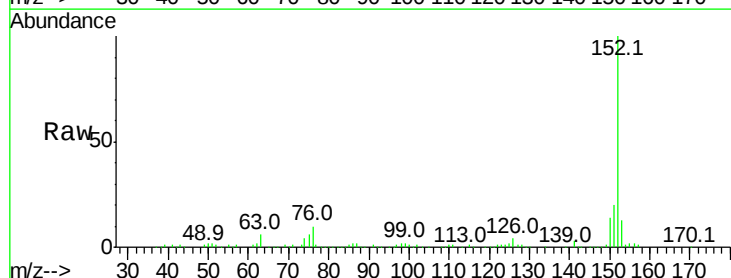
Tgt Ion:152 Resp: 215458

Ion Ratio Lower Upper

152 100

151 20.3 16.8 25.2

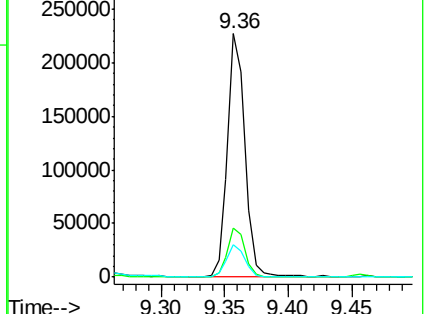
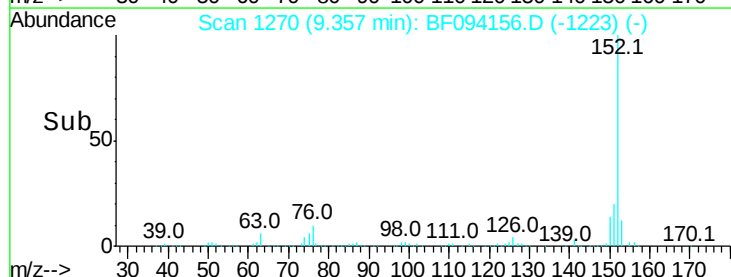
153 13.4 10.8 16.2

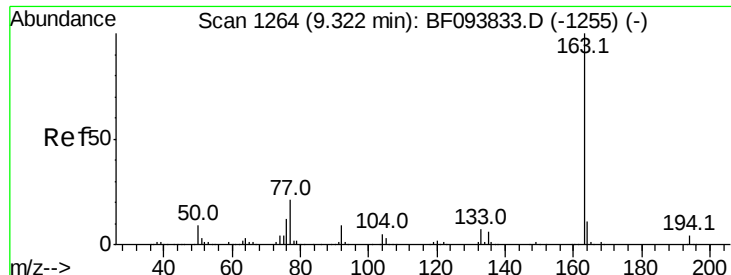


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 5.92 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.04 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

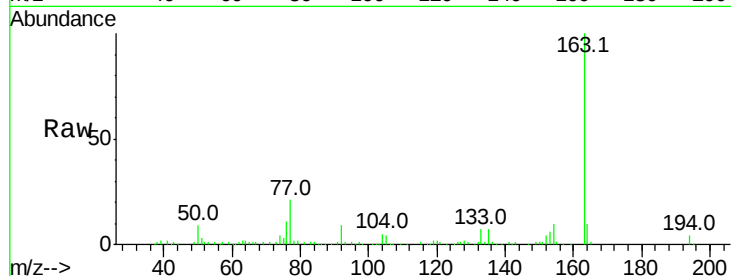
Tot Ion:163 Resp: 104347

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

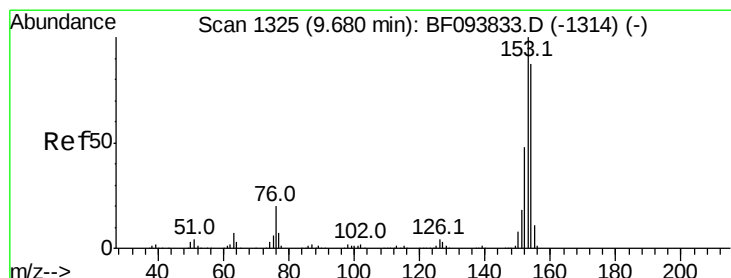
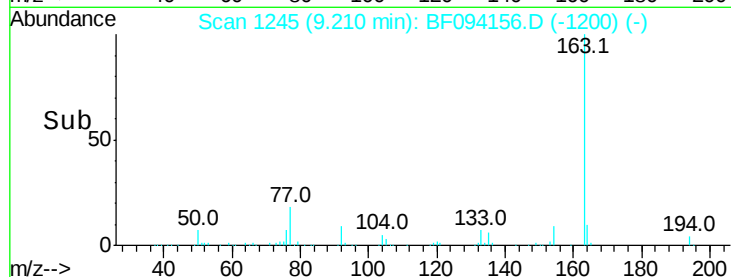
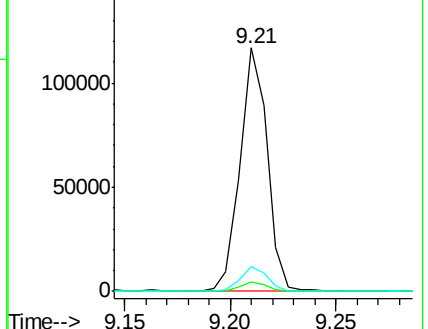
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 6.78 ng

RT: 9.57 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

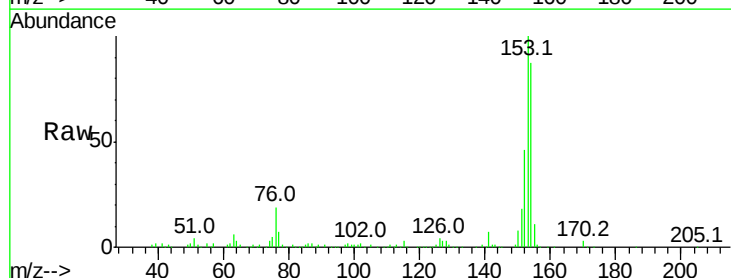
Tgt Ion:154 Resp: 102991

Ion Ratio Lower Upper

154 100

153 115.3 90.5 135.7

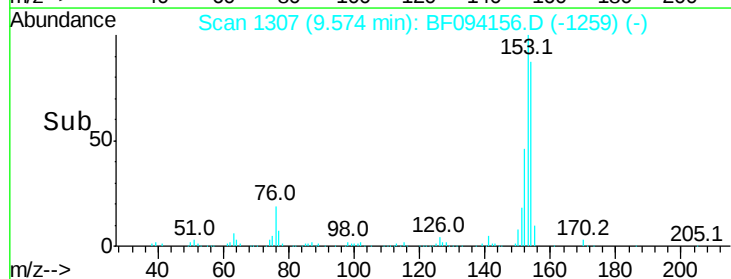
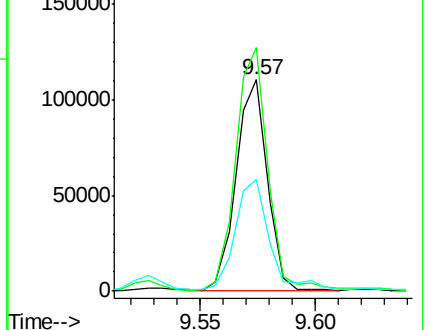
152 52.9 43.6 65.4

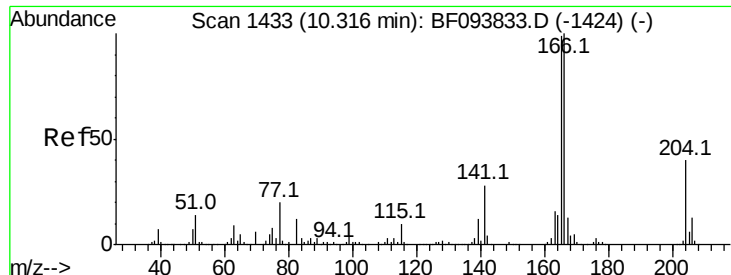


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

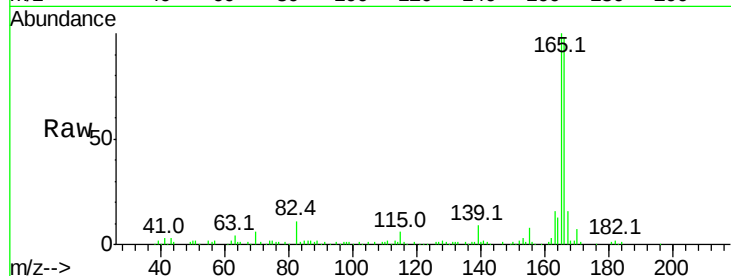




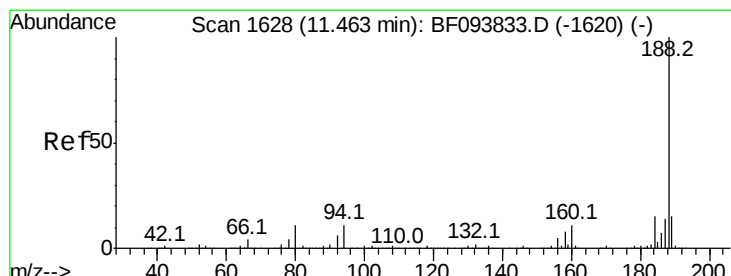
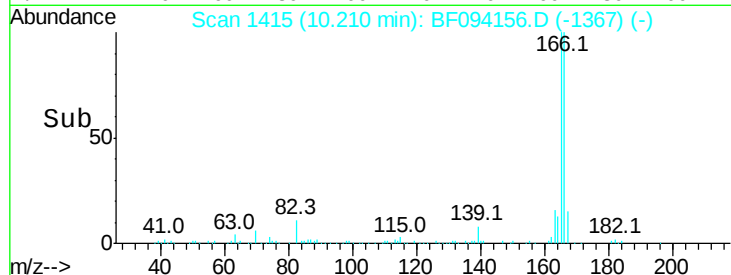
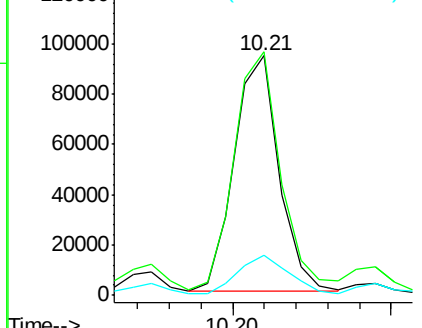
#57
Fluorene
 Concen: 5.35 ng
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.02 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 91646
 Ion Ratio Lower Upper
 166 100
 165 101.8 78.8 118.2
 167 16.6 10.6 16.0#

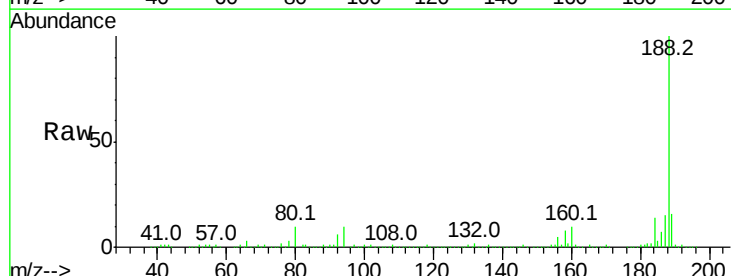


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

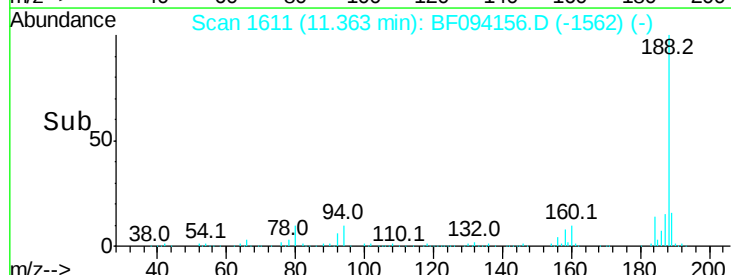
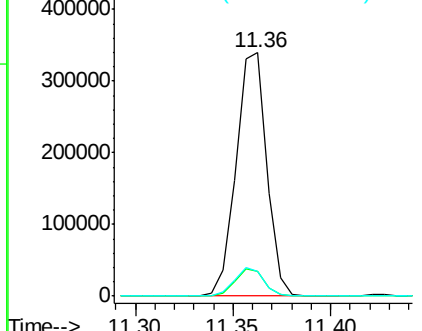


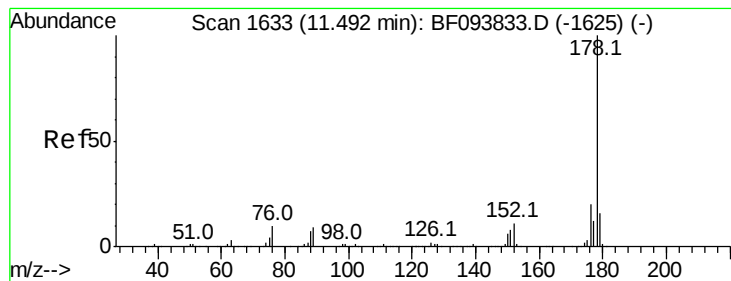
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Tgt Ion:188 Resp: 368445
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.1 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 42.52 ng

RT: 11.39 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

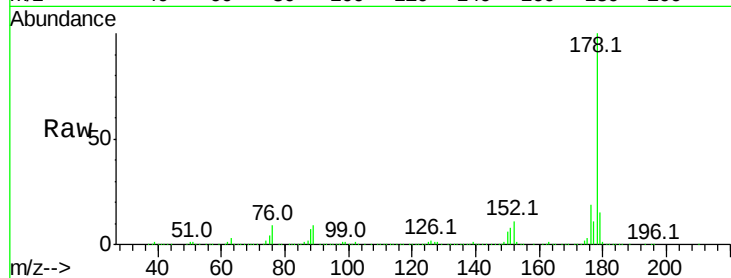
Tot Ion:178 Resp: 871516

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

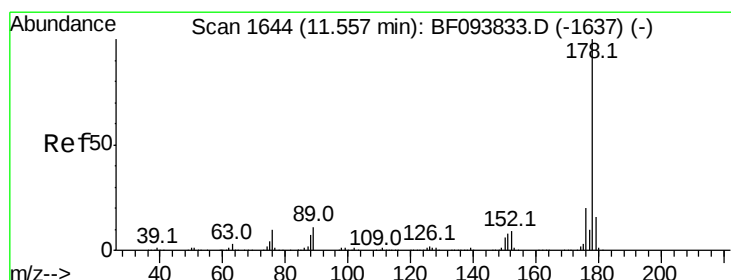
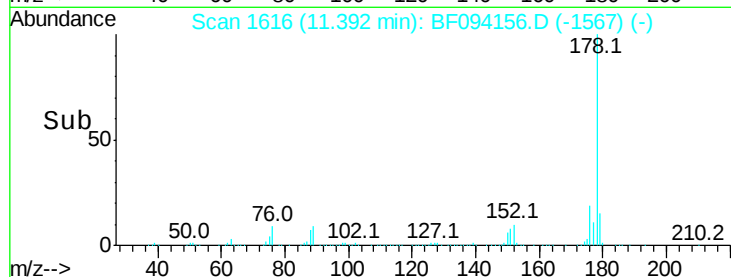
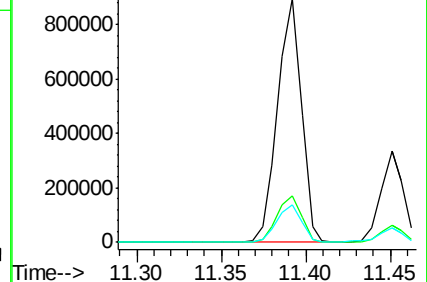
179 15.3 12.6 19.0



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: 14.59 ng

RT: 11.45 min Scan# 1626

Delta R.T. -0.02 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

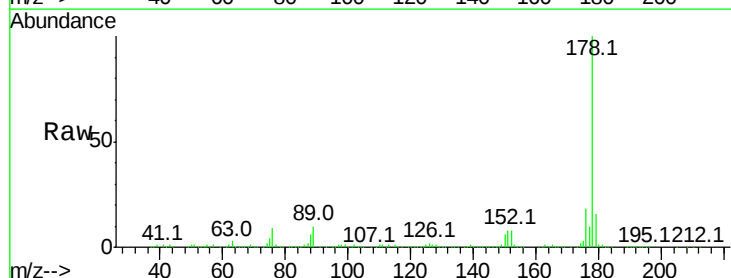
Tgt Ion:178 Resp: 307975

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

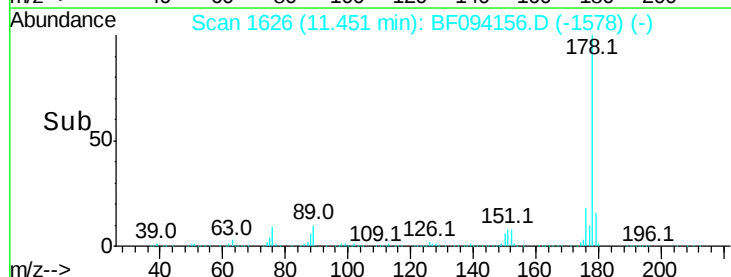
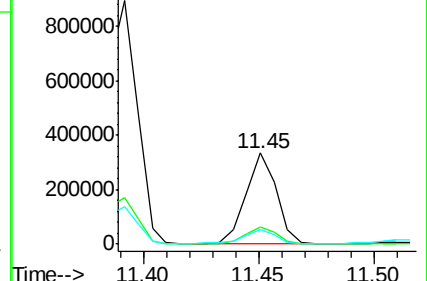
179 16.3 12.7 19.1

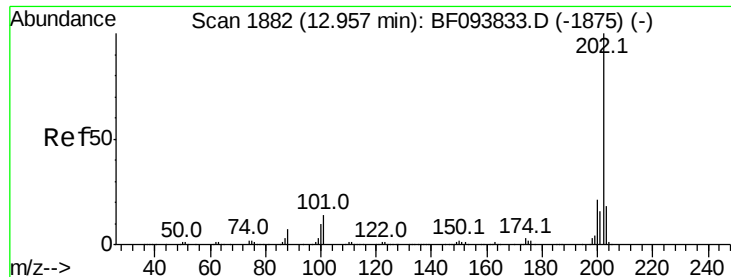


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 42.04 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampled :

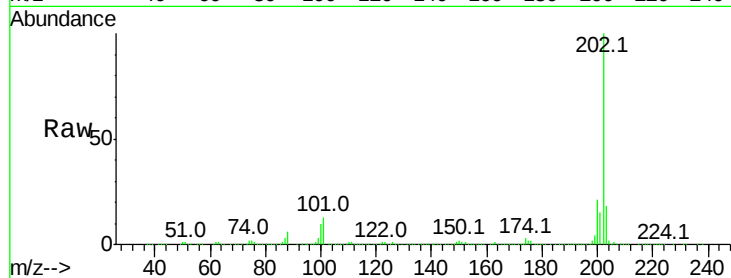
Tot Ion:202 Resp: 882366

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

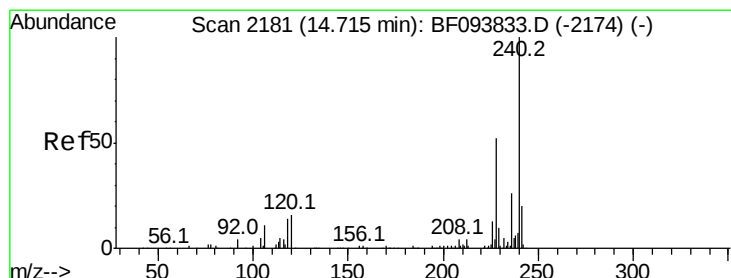
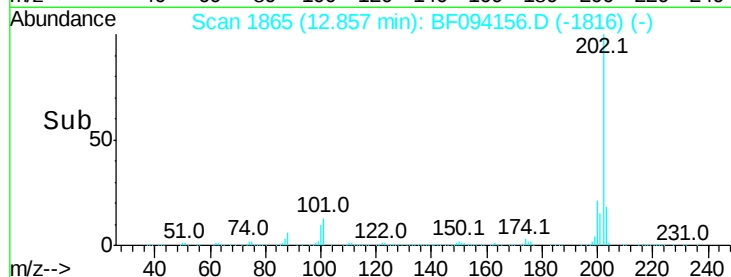
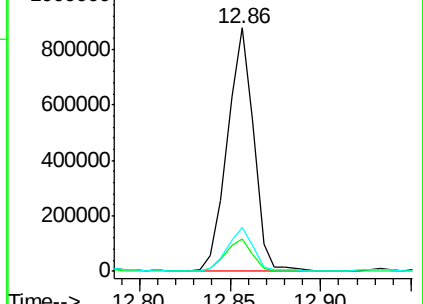
203 17.8 0.0 38.1



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: 14.62 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

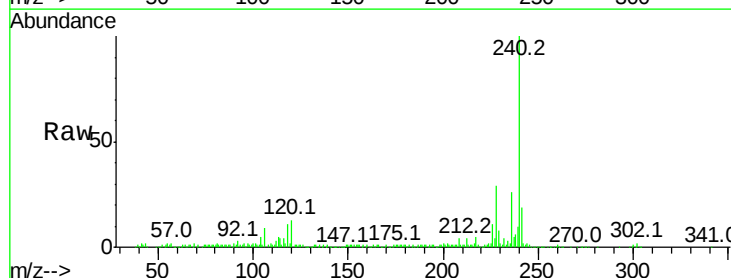
Tgt Ion:240 Resp: 302592

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

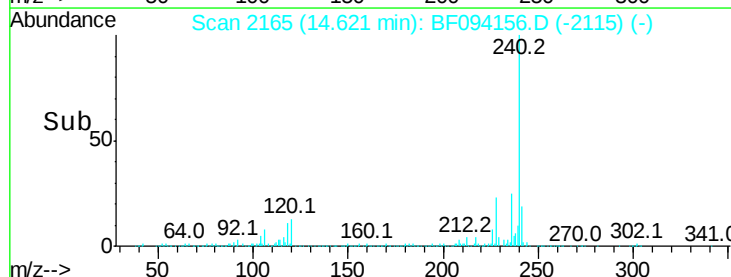
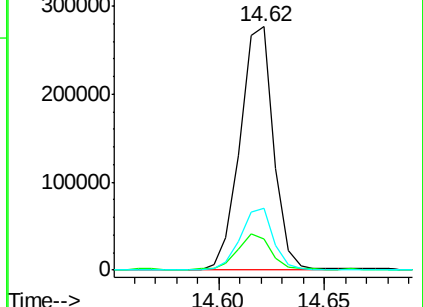
236 25.5 20.5 30.7

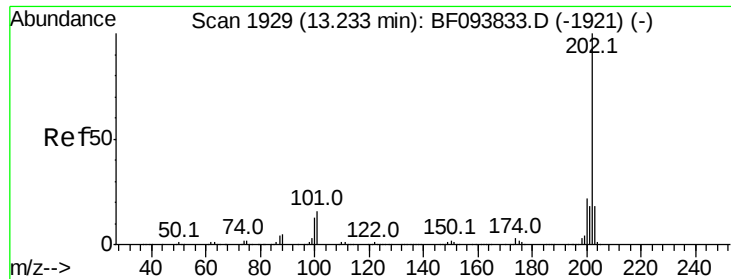


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

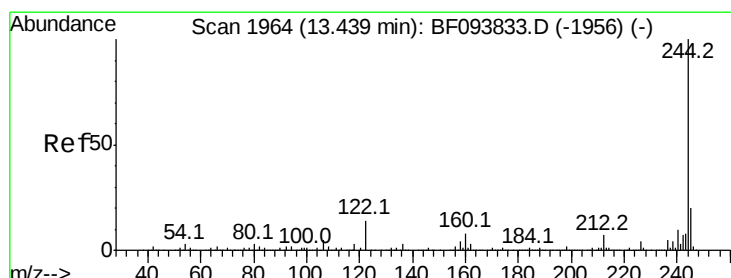
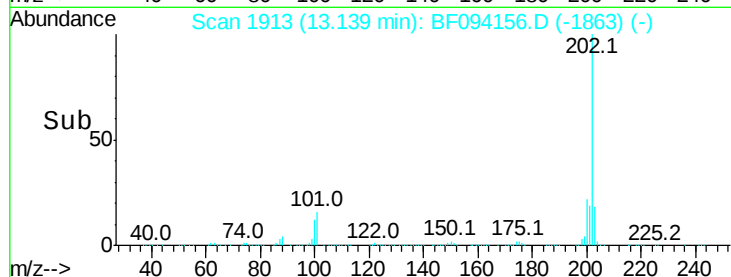
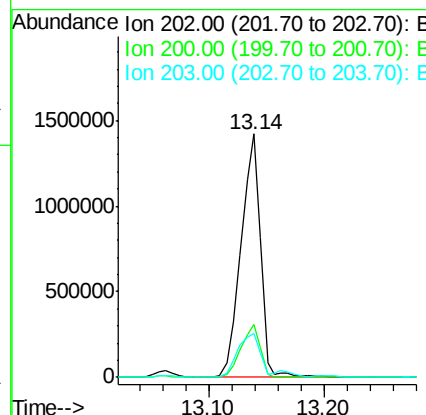
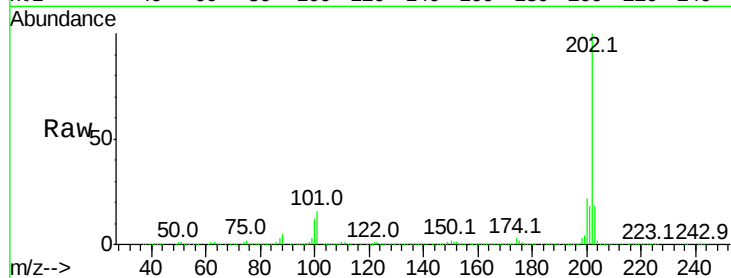




#77
Pvrene
Concen: 75.44 ng
RT: 13.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF094156.D
Acq: 4 Apr 2017 8:57

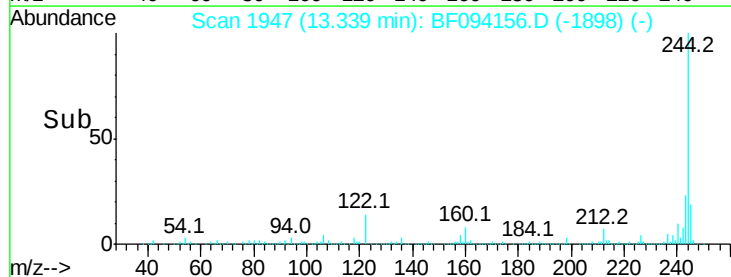
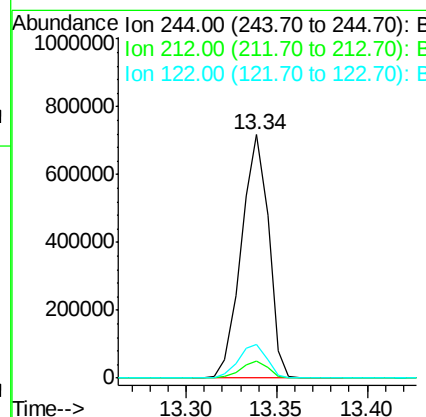
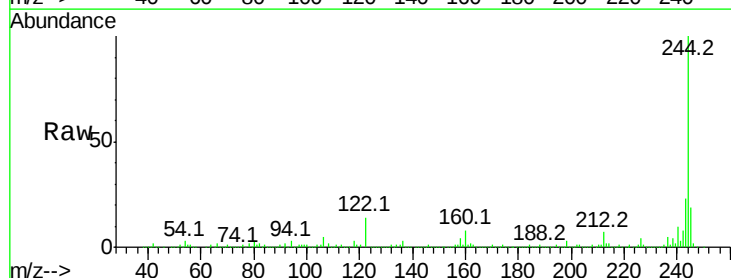
Instrument :
BNA_F
ClientSampleId :

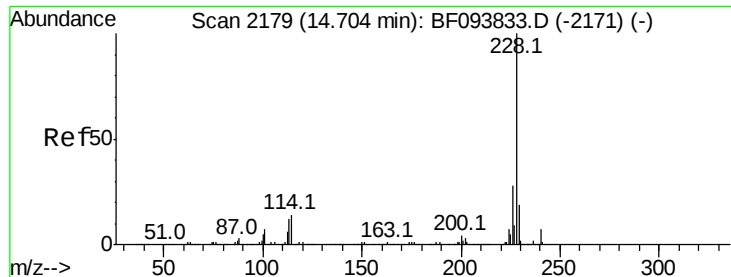
Tot Ion:202 Resp: 1656642
Ion Ratio Lower Upper
202 100
200 21.9 17.6 26.4
203 18.0 14.4 21.6



#78
Terphenyl-d14
Concen: 55.69 ng
RT: 13.34 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BF094156.D
Acq: 4 Apr 2017 8:57

Tgt Ion:244 Resp: 751837
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.0 10.3 15.5

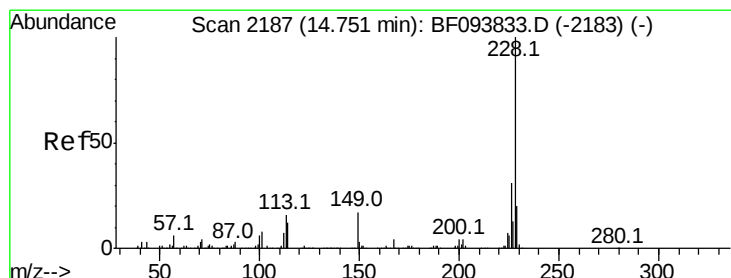
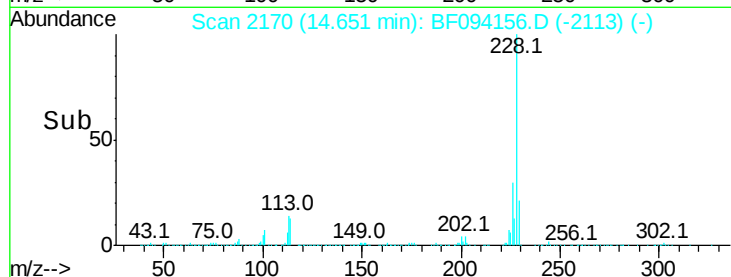
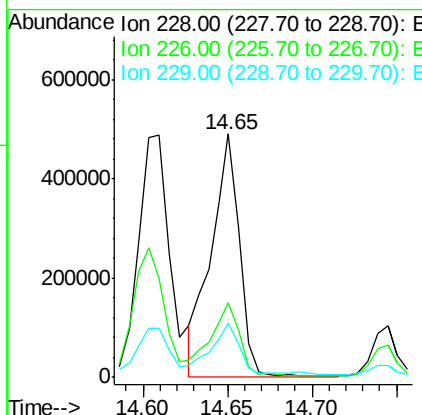
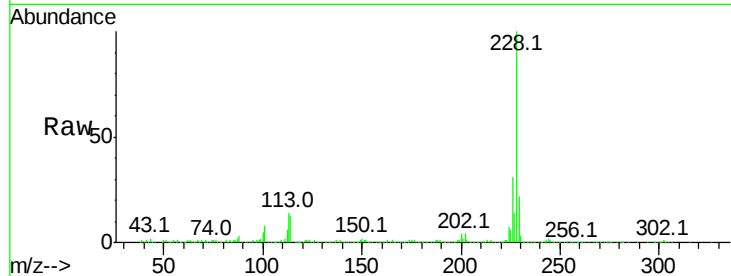




#80
Benzo(a)anthracene
Concen: 32.52 ng
RT: 14.65 min Scan# 2170
Delta R.T. 0.04 min
Lab File: BF094156.D
Acq: 4 Apr 2017 8:57

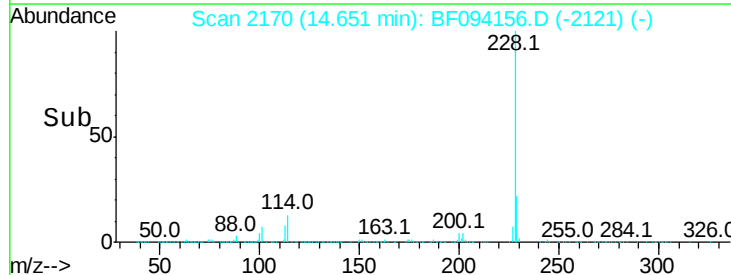
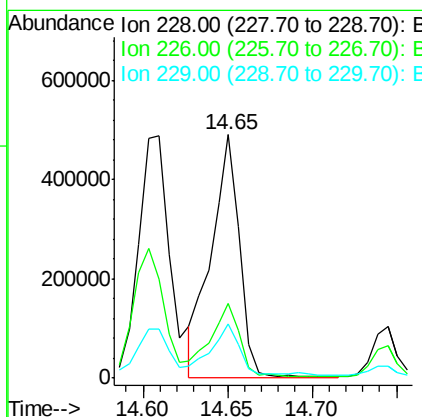
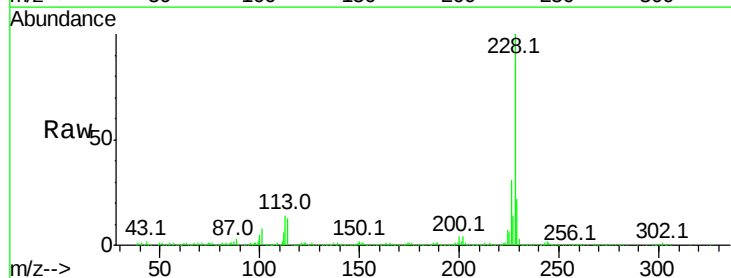
Instrument :
BNA_F
ClientSampleId :

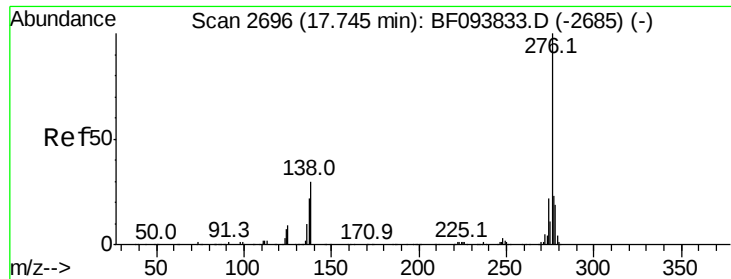
Tot Ion:228 Resp: 573800
Ion Ratio Lower Upper
228 100
226 30.8 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 35.04 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF094156.D
Acq: 4 Apr 2017 8:57

Tgt Ion:228 Resp: 573800
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.0 15.8 23.6

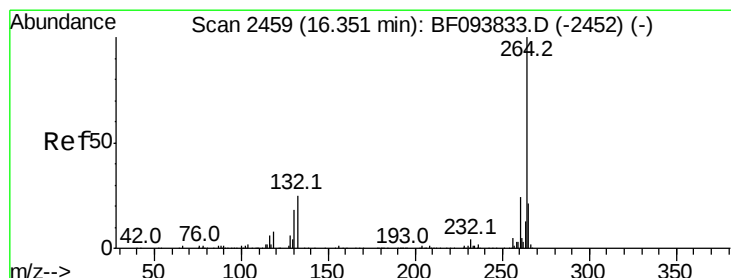
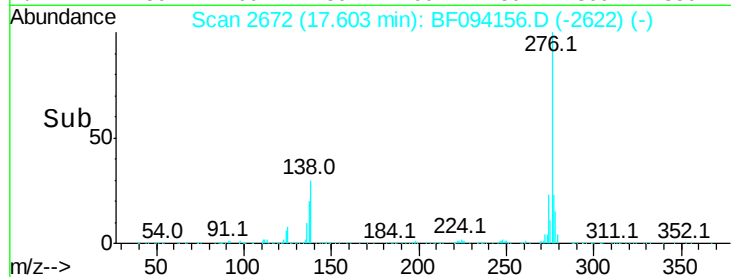
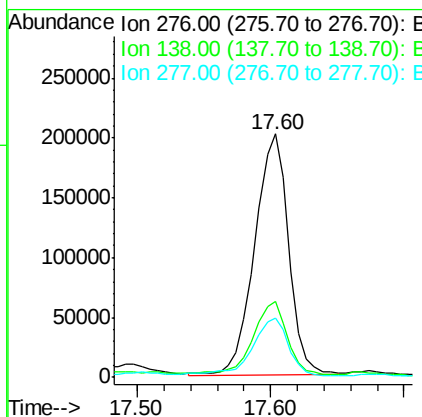
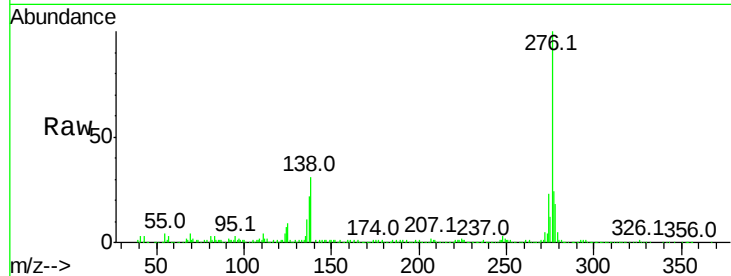




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.00 ng
 RT: 17.60 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

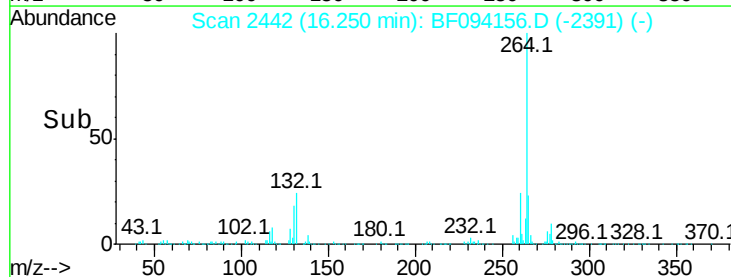
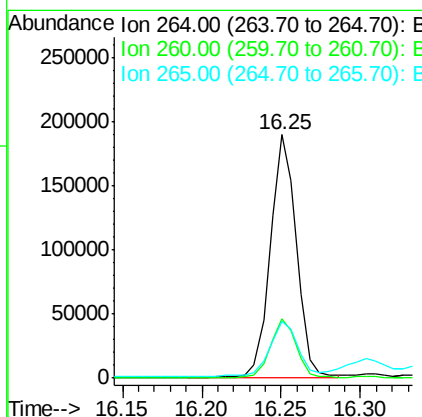
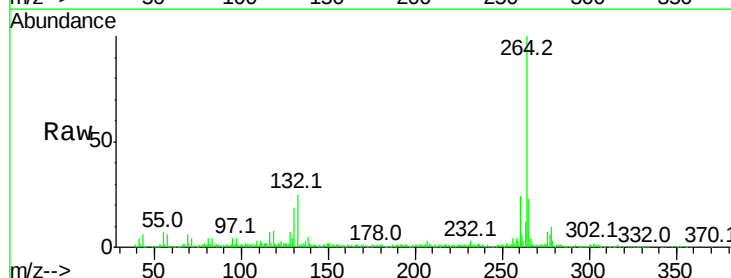
Instrument :
 BNA_F
 ClientSampleId :

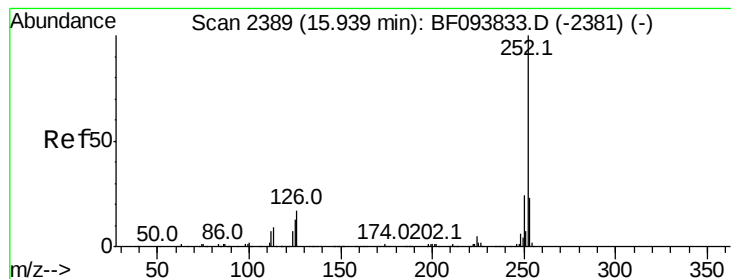
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	25.7	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.25 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	23.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 66.37 ng

RT: 15.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

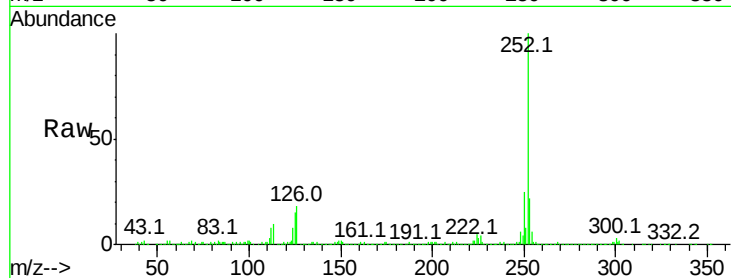
Tot Ion:252 Resp: 888186

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

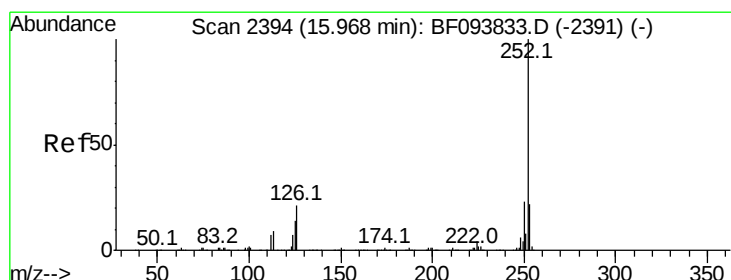
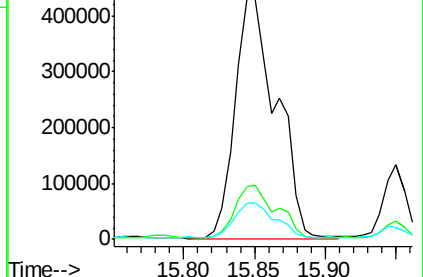
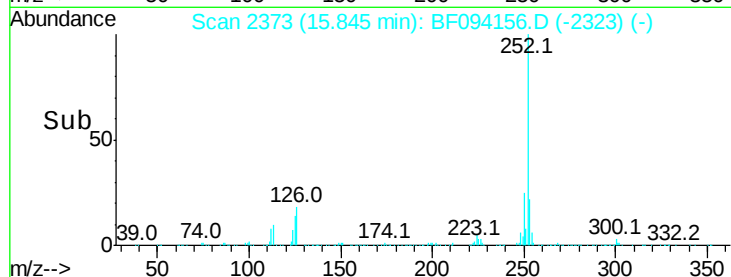
125 14.9 9.8 14.8#



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: 67.84 ng

RT: 15.84 min Scan# 2373

Delta R.T. -0.04 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

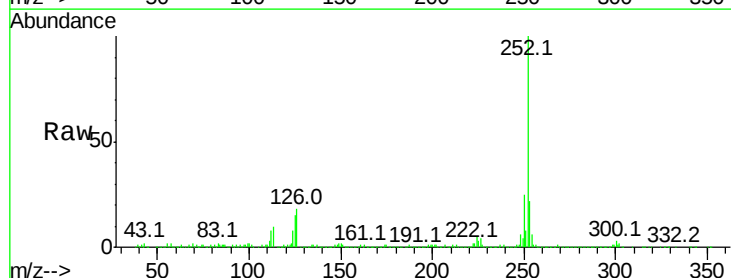
Tgt Ion:252 Resp: 888186

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

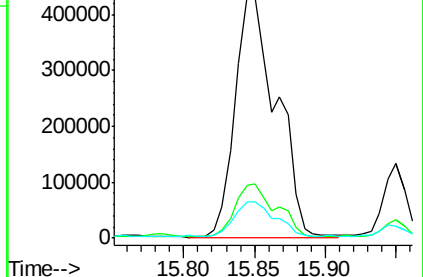
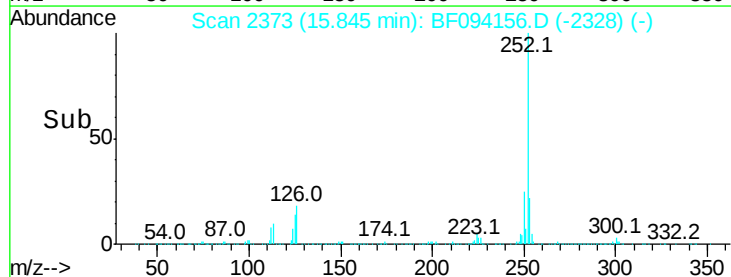
125 14.9 13.1 19.7

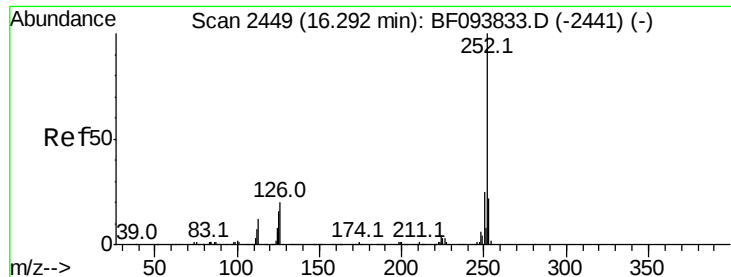


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 54.98 ng

RT: 16.20 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

Instrument :

BNA_F

ClientSampleId :

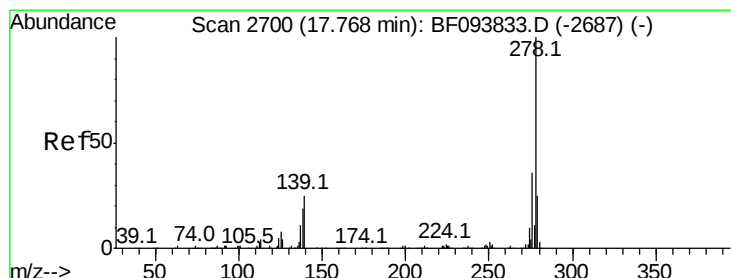
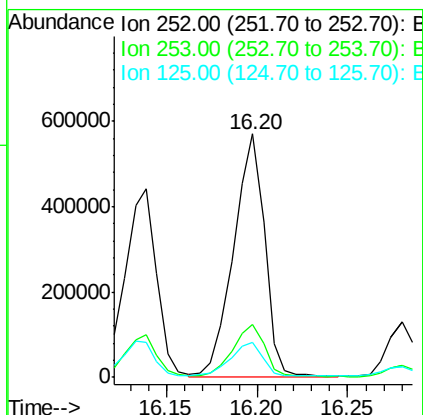
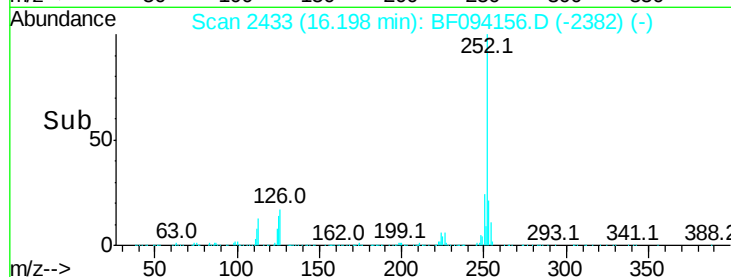
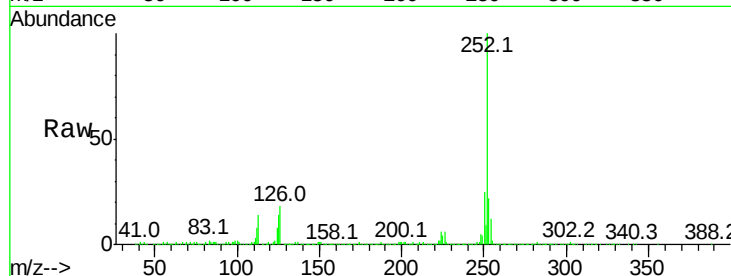
Tot Ion:252 Resp: 677533

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 14.3 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 6.06 ng

RT: 17.82 min Scan# 2708

Delta R.T. 0.18 min

Lab File: BF094156.D

Acq: 4 Apr 2017 8:57

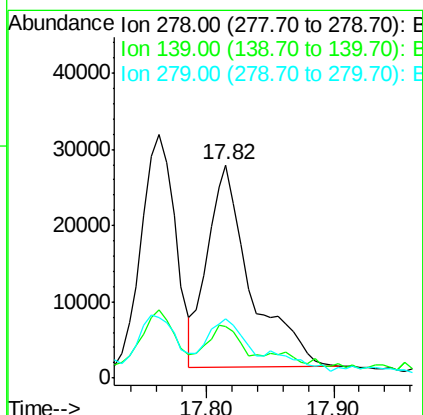
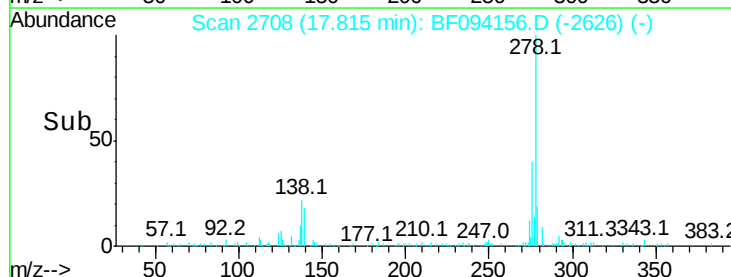
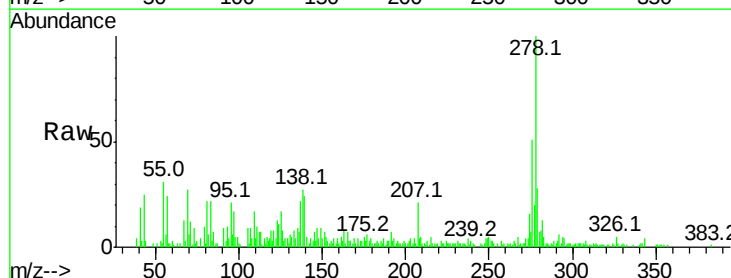
Tgt Ion:278 Resp: 63292

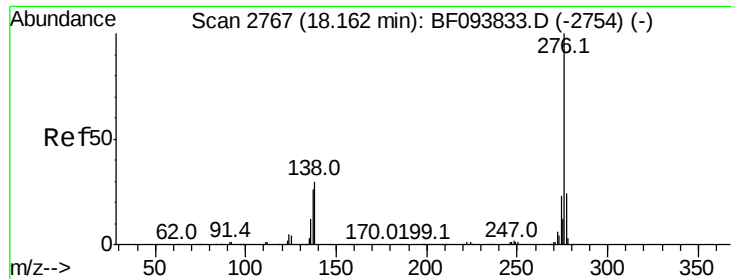
Ion Ratio Lower Upper

278 100

139 24.1 16.6 24.8

279 27.6 19.3 28.9

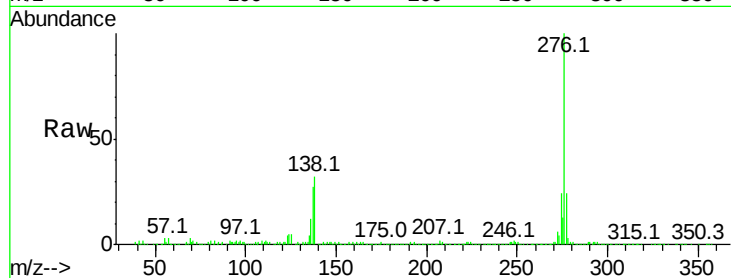




#91
 Benzo(a,h,i)perylene
 Concen: 47.43 ng
 RT: 18.00 min Scan# 2740
 Delta R.T. -0.01 min
 Lab File: BF094156.D
 Acq: 4 Apr 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 498781
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.6 28.0
 138 31.8 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

