

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094656.D
 Acq On : 26 Apr 2017 19:28
 Operator : SJ/MA
 Sample : I2821-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:24:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	128515	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	520288	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	224215	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	359686	20.00	ng	-0.01
75) Chrysene-d12	14.47	240	246476	20.00	ng	0.00
86) Perylene-d12	16.10	264	234156	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	651664	84.13	ng	0.00
7) Phenol-d6	5.38	99	819015	89.69	ng	-0.01
23) Nitrobenzene-d5	6.40	82	499570	59.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	141348	80.60	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	905120	59.40	ng	-0.01
78) Terphenyl-d14	13.19	244	593825	64.40	ng	0.00

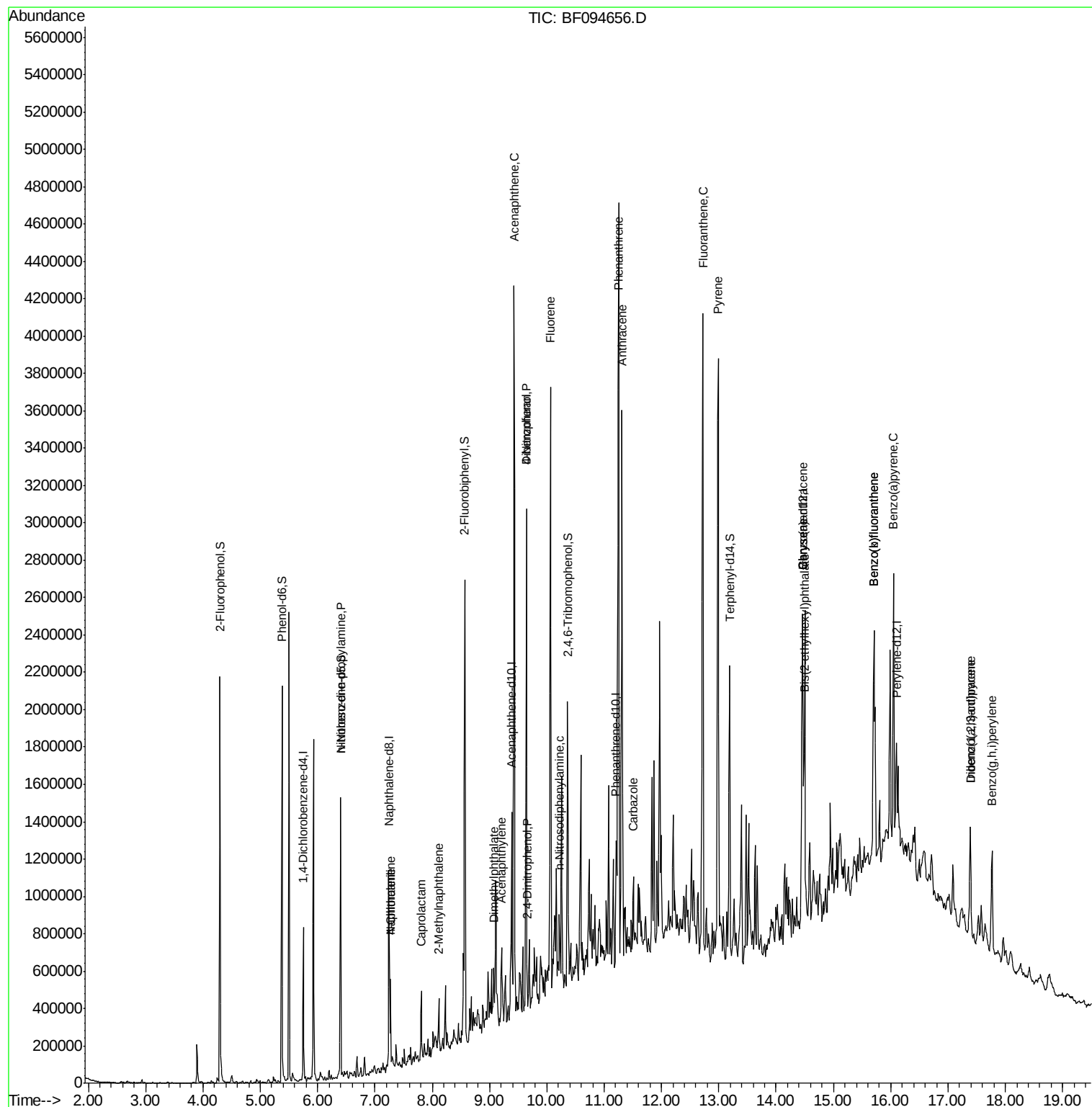
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.40	70	62918	10.40	ng	# 77
31) Naphthalene	7.27	128	204135	8.16	ng	99
33) 4-Chloroaniline	7.27	127	28124	2.70	ng	# 39
35) Caprolactam	7.81	113	7726	3.41	ng	# 29
37) 2-Methylnaphthalene	8.11	142	73128	4.27	ng	98
48) Acenaphthylene	9.21	152	140701	6.20	ng	98
49) Dimethylphthalate	9.07	163	124150	7.43	ng	99
51) Acenaphthene	9.43	154	1109940	81.61	ng	100
53) 2,4-Dinitrophenol	9.66	184	271	5.88	ng	# 1
54) Dibenzofuran	9.64	168	1146286	57.99	ng	99
55) 4-Nitrophenol	9.64	139	433846	141.52	ng	# 28
57) Fluorene	10.07	166	1197378	77.79	ng	99
65) n-Nitrosodiphenylamine	10.22	169	40183	3.21	ng	# 1
70) Phenanthrene	11.25	178	2472887	122.09	ng	100
71) Anthracene	11.31	178	1440904	68.77	ng	99
72) Carbazole	11.51	167	155372	7.90	ng	98
74) Fluoranthene	12.72	202	2111677	100.59	ng	99
77) Pyrene	12.99	202	2077110	120.62	ng	100
80) Benzo(a)anthracene	14.46	228	845978	59.05	ng	96
82) Chrysene	14.46	228	845978	64.62	ng	96
83) Bis(2-ethylhexyl)phthalate	14.51	149	27013	2.67	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.39	276	359157	28.83	ng	95
87) Benzo(b)fluoranthene	15.70	252	1070792	74.76	ng	# 95
88) Benzo(k)fluoranthene	15.70	252	1070792	78.99	ng	99
89) Benzo(a)pyrene	16.05	252	696264	52.25	ng	95
90) Dibenzo(a,h)anthracene	17.39	278	105013	9.49	ng	# 86
91) Benzo(g,h,i)perylene	17.77	276	451583	40.09	ng	98

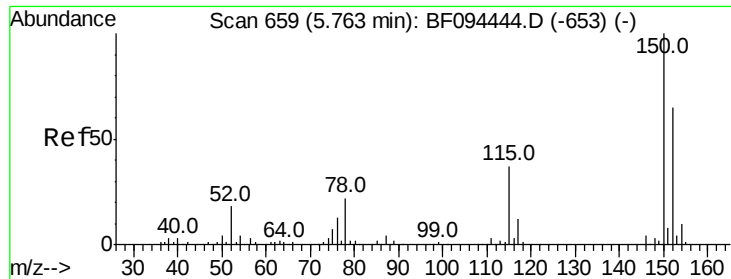
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 17 14:59:23 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.75 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampled :

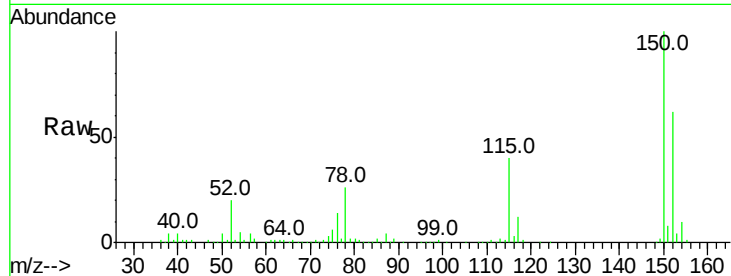
Tot Ion:152 Resp: 128515

Ion Ratio Lower Upper

152 100

150 160.8 126.2 189.2

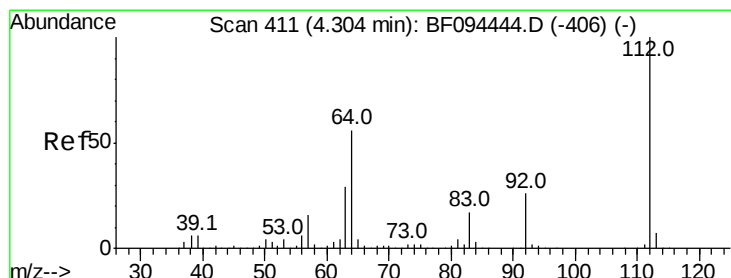
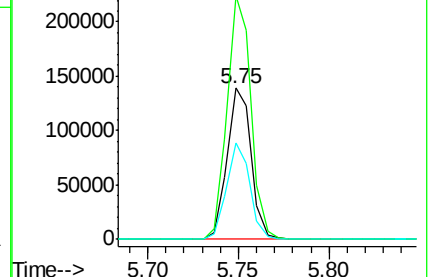
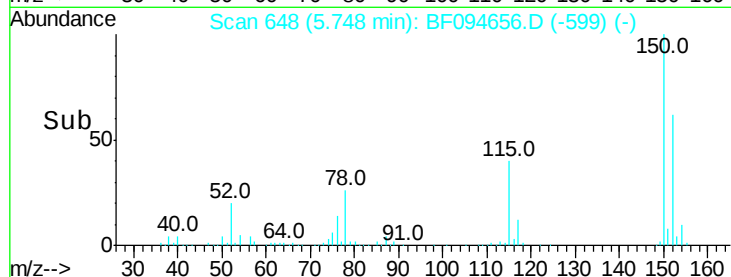
115 64.0 52.2 78.2



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: 84.13 ng

RT: 4.30 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

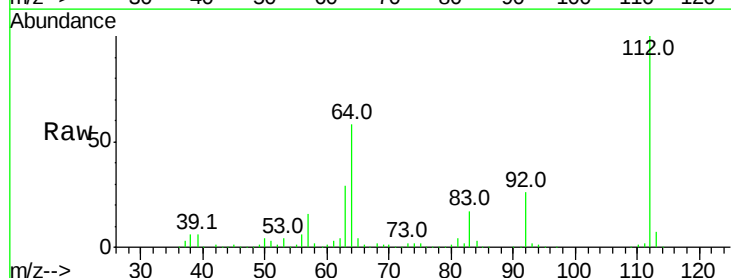
Tgt Ion:112 Resp: 651664

Ion Ratio Lower Upper

112 100

64 58.0 46.0 69.0

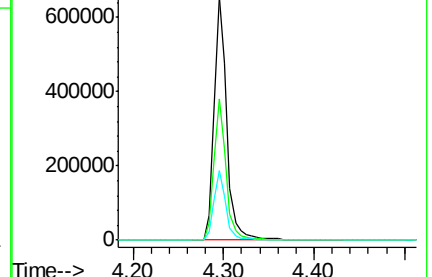
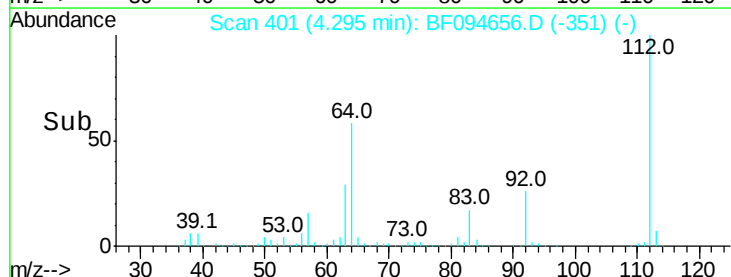
63 28.8 23.4 35.0

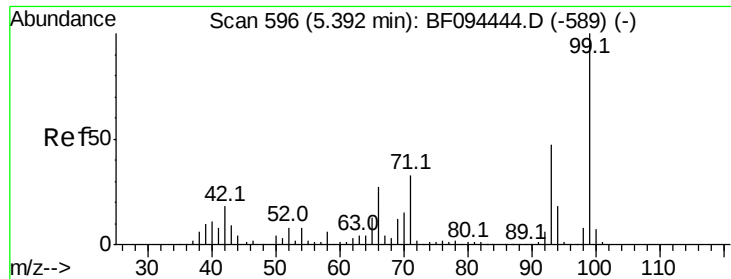


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.69 ng

RT: 5.38 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

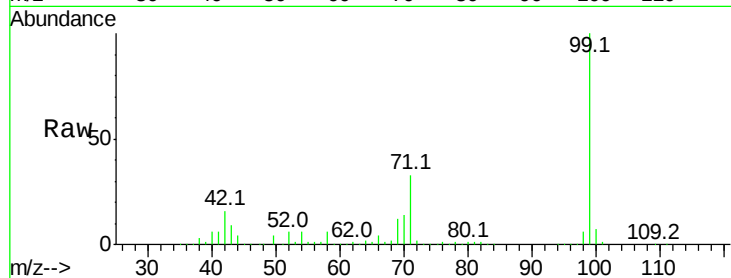
Tot Ion: 99 Resp: 819015

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

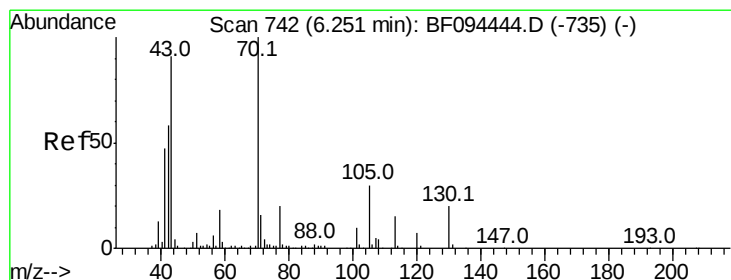
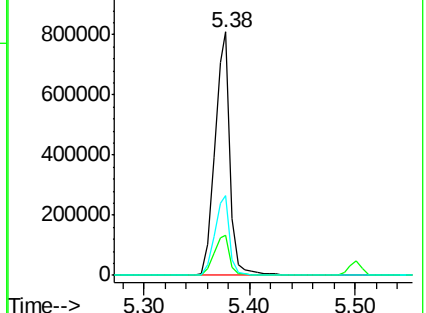
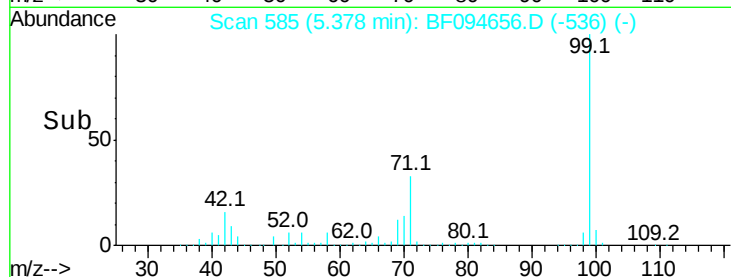
71 32.5 24.5 36.7



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: 10.40 ng

RT: 6.40 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Tgt Ion: 70 Resp: 62918

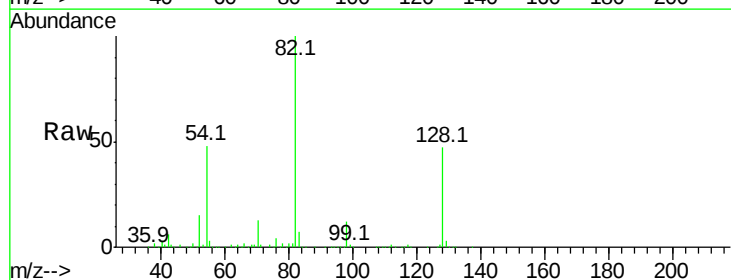
Ion Ratio Lower Upper

70 100

42 46.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

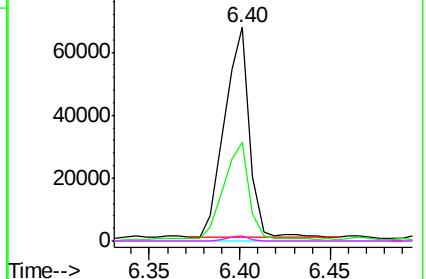
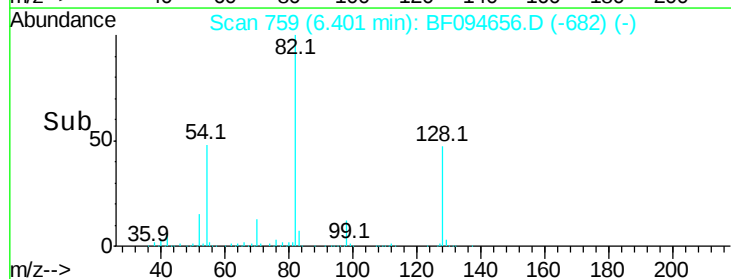


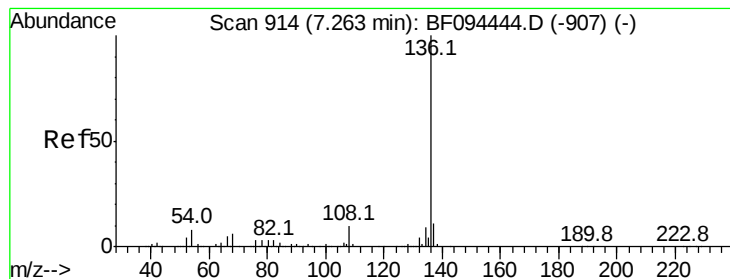
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 520288

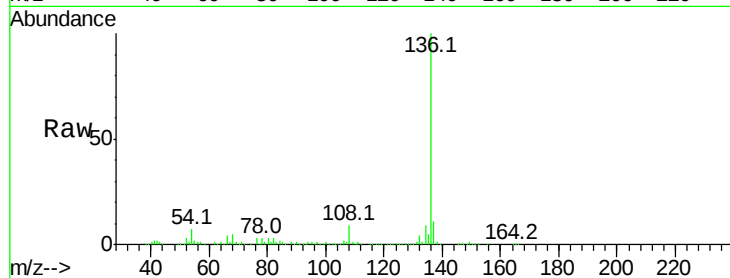
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.6 4.9 7.3

68 5.1 4.1 6.1

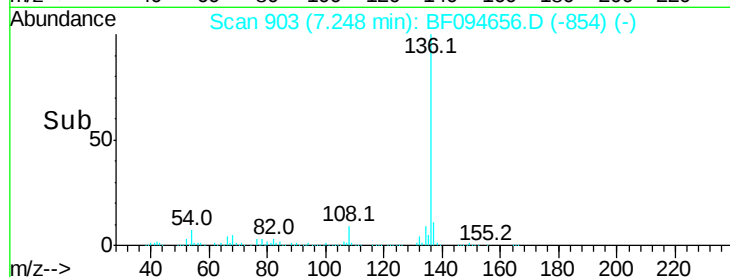


Abundance Ion 136.00 (135.70 to 136.70): E

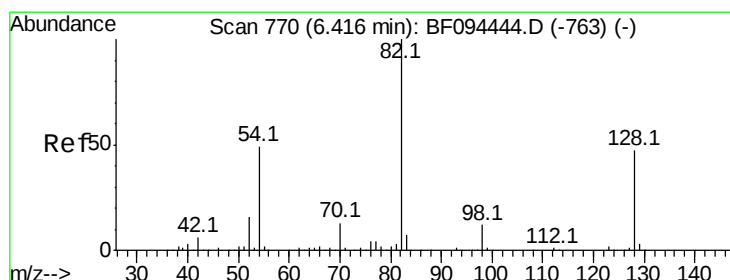
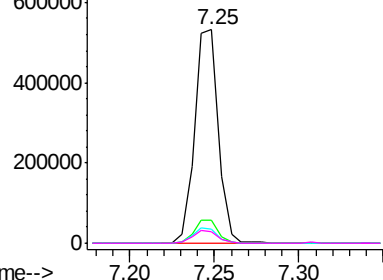
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 59.29 ng

RT: 6.40 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

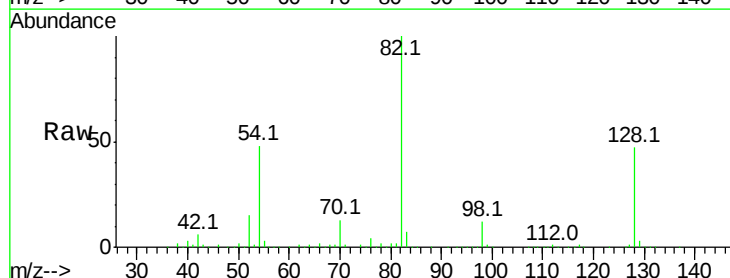
Tgt Ion: 82 Resp: 499570

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

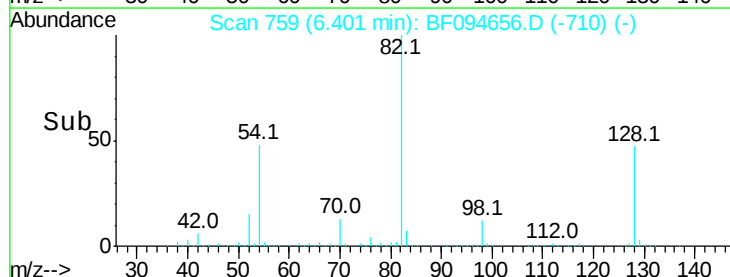
54 47.7 42.2 63.2



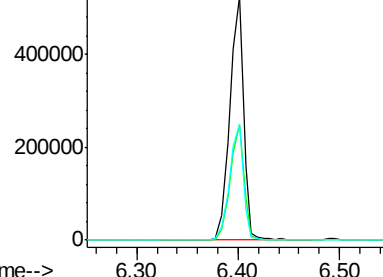
Abundance Ion 82.00 (81.70 to 82.70): BF0

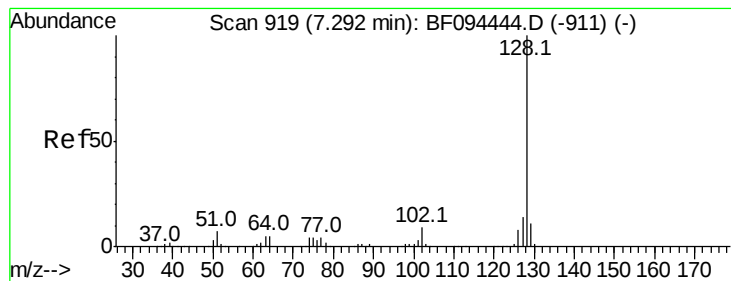
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 8.16 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

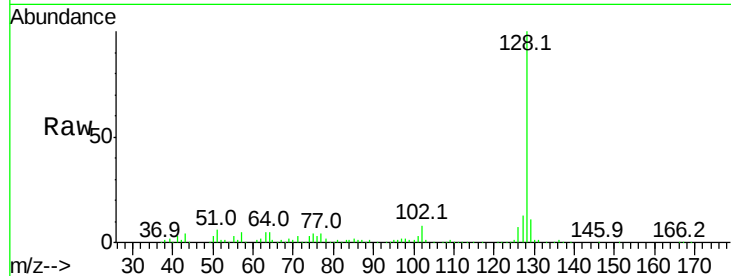
Tot Ion:128 Resp: 204135

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

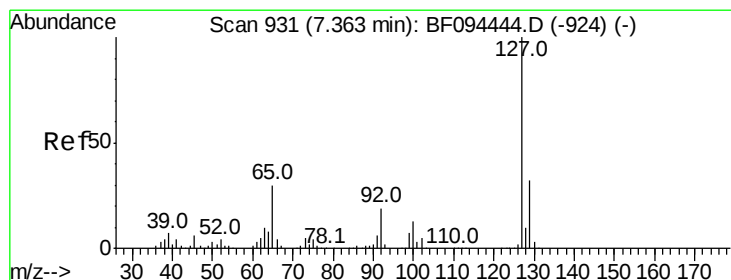
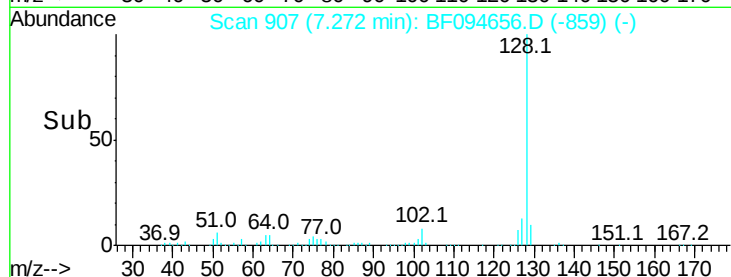
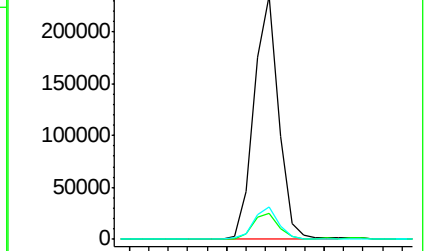
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 2.70 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.09 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Tgt Ion:127 Resp: 28124

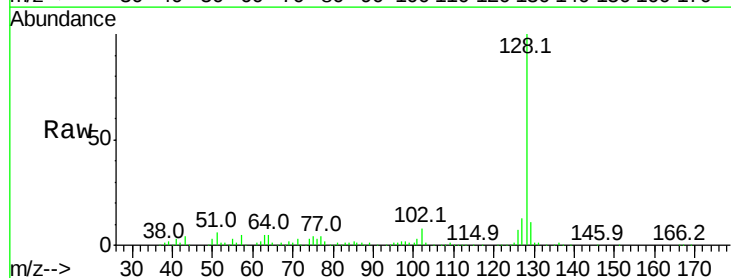
Ion Ratio Lower Upper

127 100

129 79.1 26.2 39.2#

65 4.8 27.8 41.8#

92 0.0 16.8 25.2#

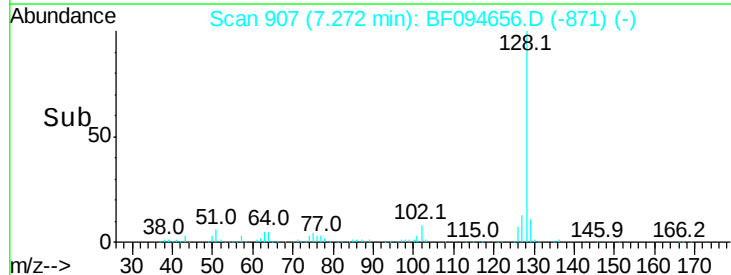
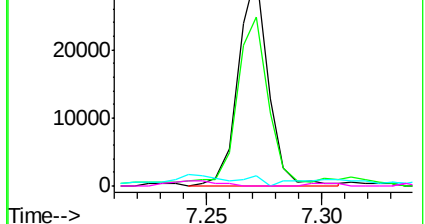


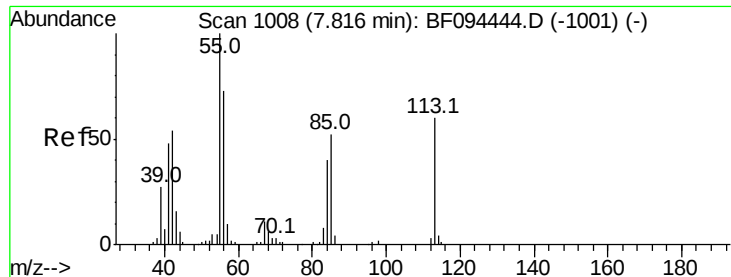
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 3.41 ng

RT: 7.81 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

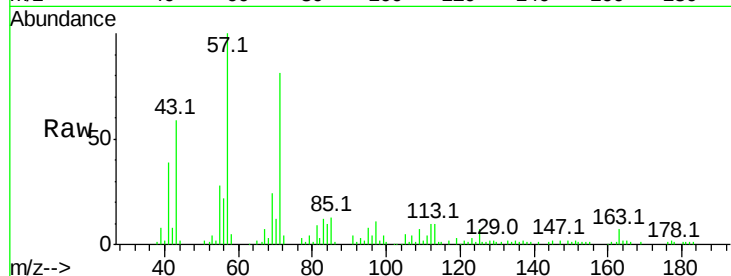
Tot Ion:113 Resp: 7726

Ion Ratio Lower Upper

113 100

55 267.6 150.2 190.2#

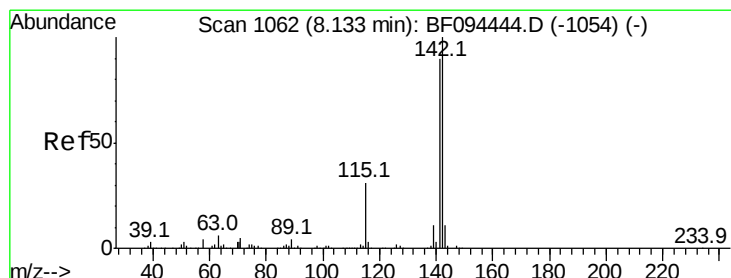
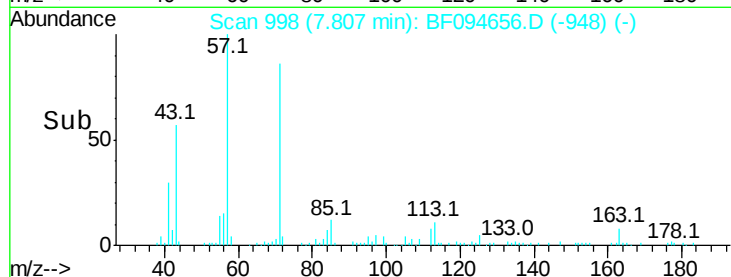
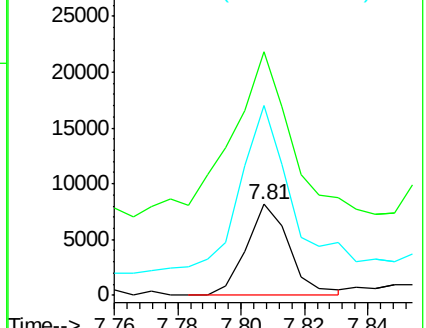
56 209.3 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 4.27 ng

RT: 8.11 min Scan# 1050

Delta R.T. -0.02 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

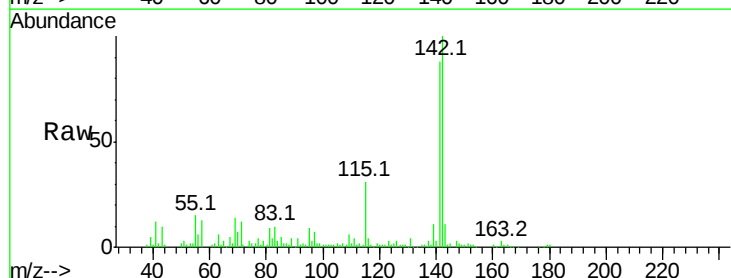
Tgt Ion:142 Resp: 73128

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9

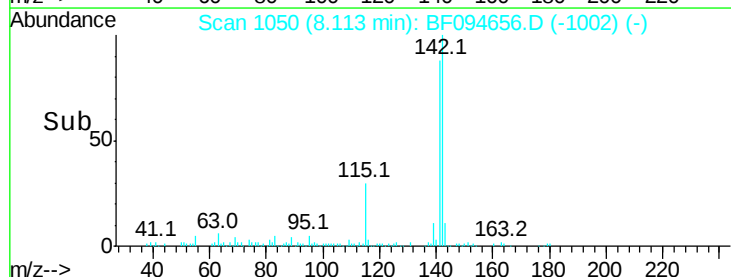
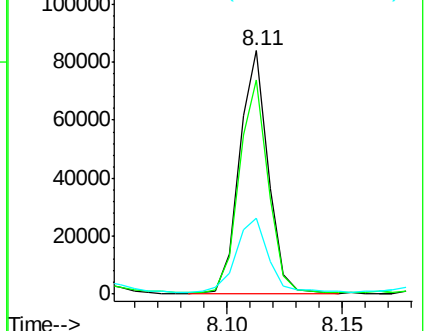
115 31.0 27.1 40.7

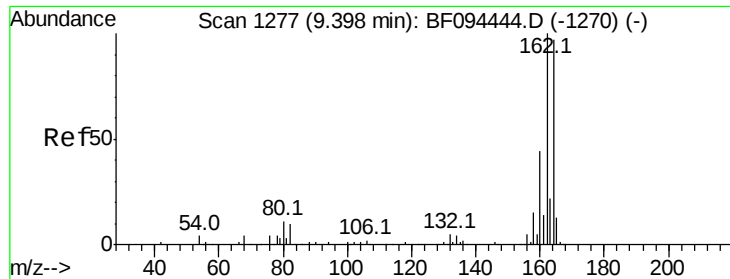


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

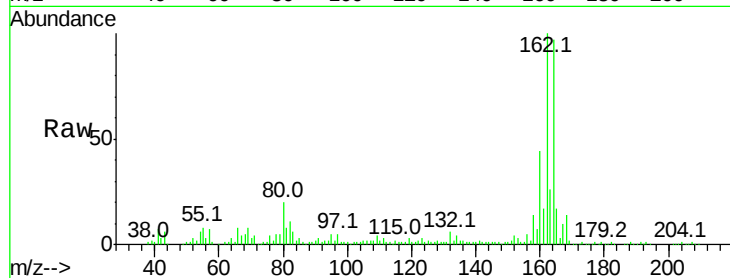




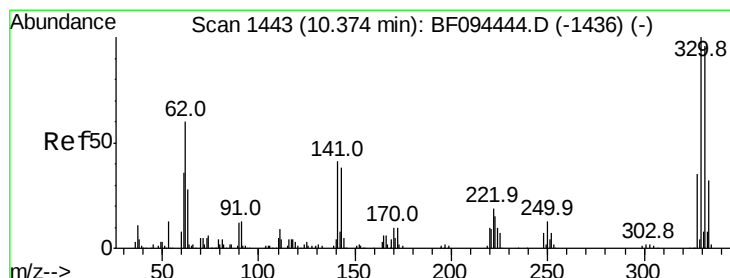
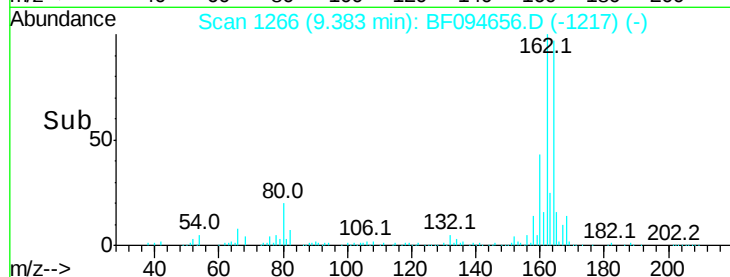
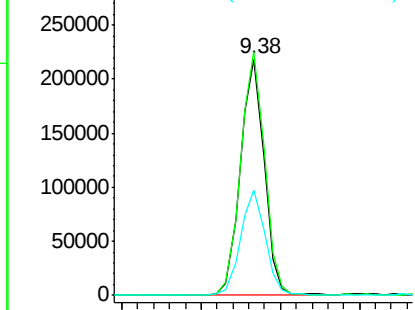
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF094656.D
 Acq: 26 Apr 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	44.9	36.2	54.2

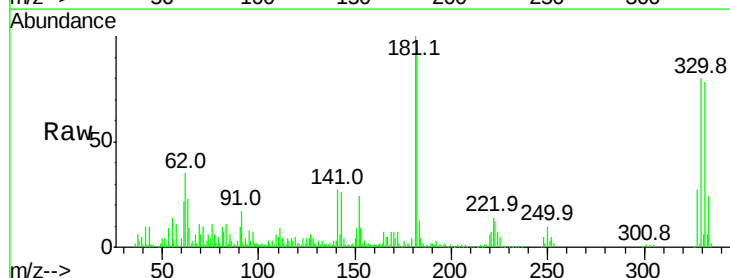


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

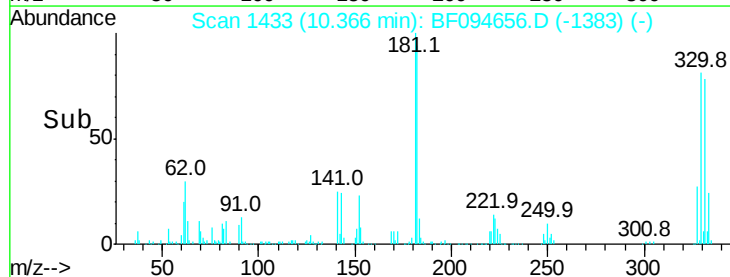
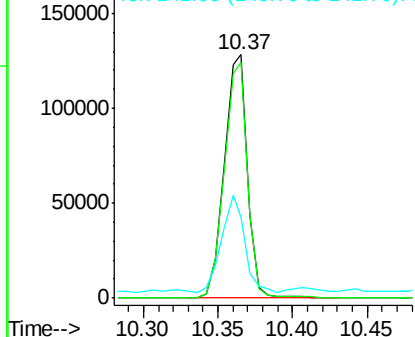


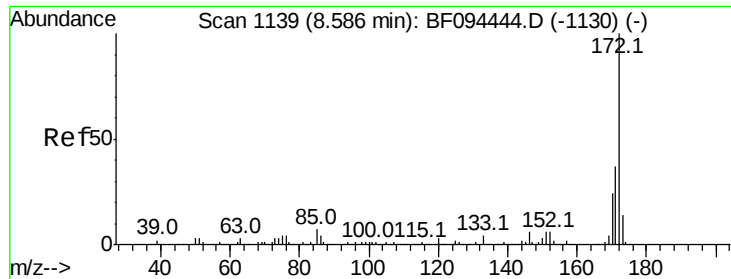
#41
 2,4,6-Tribromophenol
 Concen: 80.60 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094656.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	39.1	31.4	47.2



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

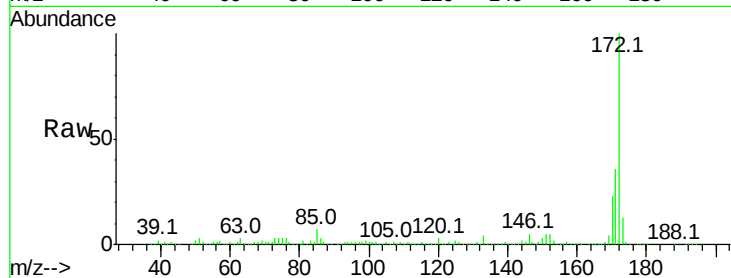




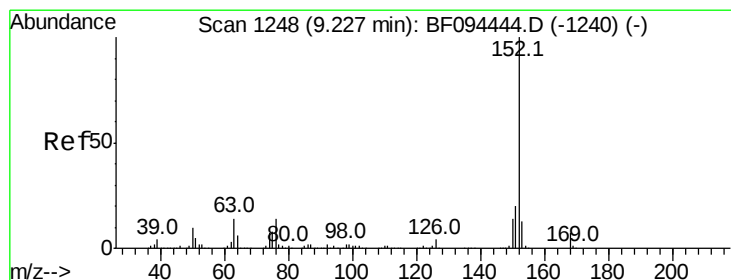
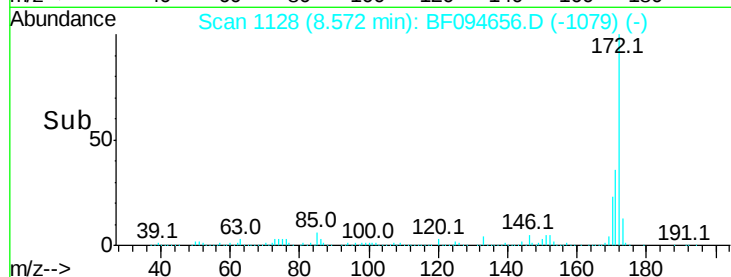
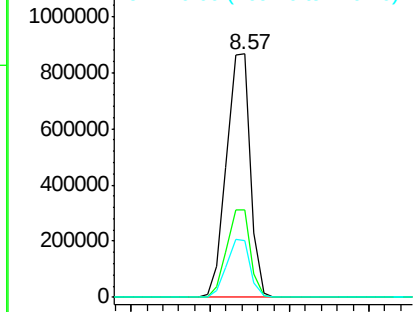
#44
2-Fluorobiphenyl
Concen: 59.40 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.4	19.8	29.8

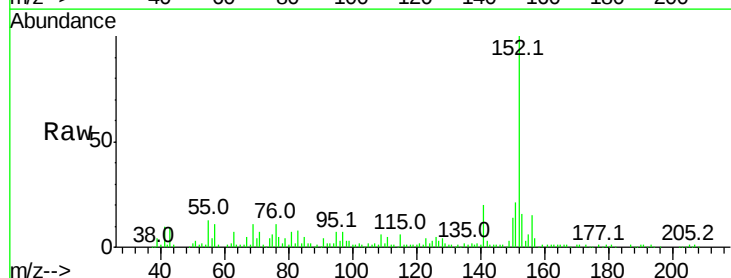


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

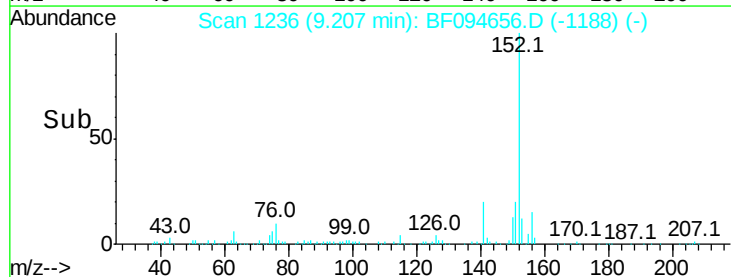
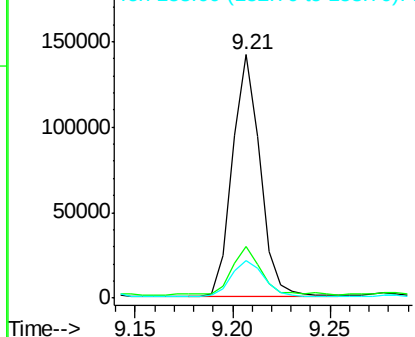


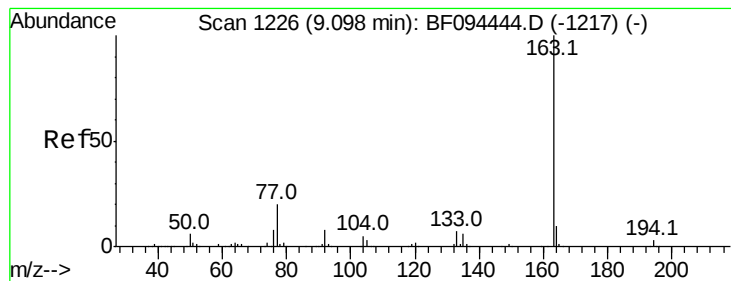
#48
Acenaphthylene
Concen: 6.20 ng
RT: 9.21 min Scan# 1236
Delta R.T. -0.02 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.8	25.2
153	15.5	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: 7.43 ng

RT: 9.07 min Scan# 1213

Delta R.T. -0.03 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

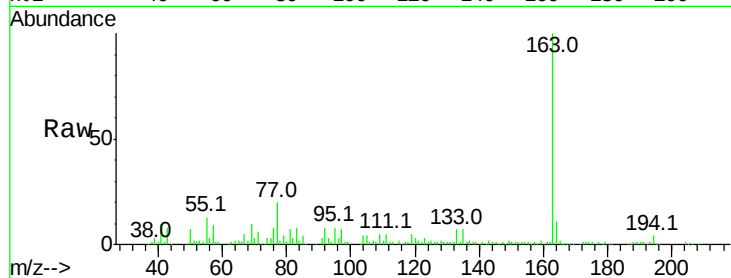
Tot Ion:163 Resp: 124150

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

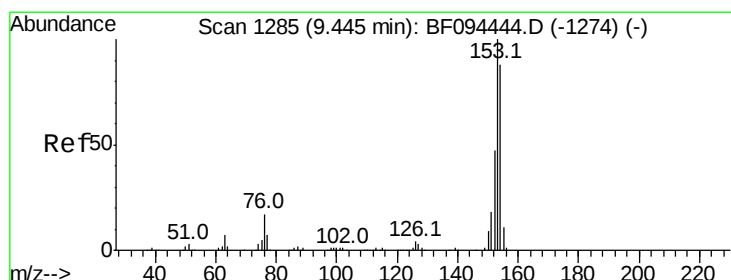
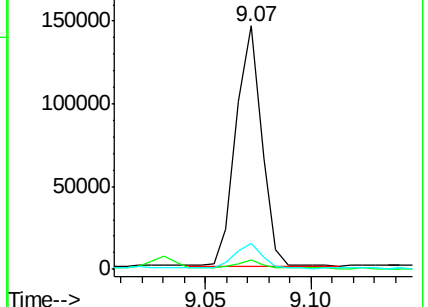
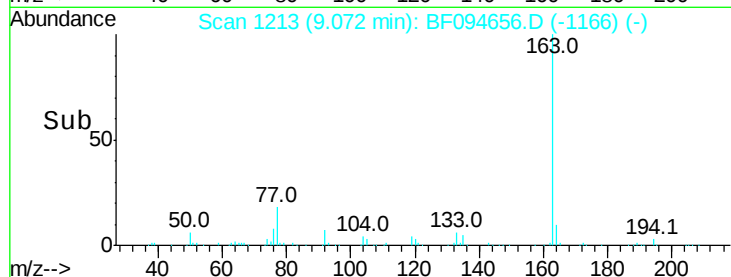
164 10.7 8.4 12.6



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: 81.61 ng

RT: 9.43 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

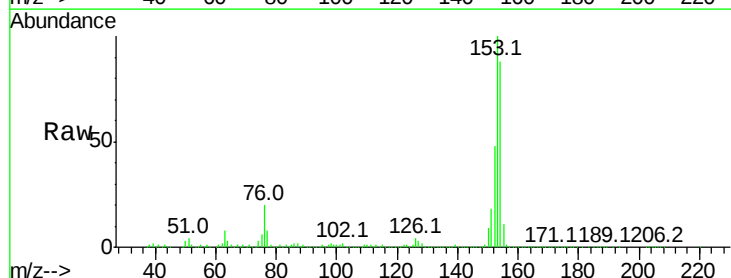
Tgt Ion:154 Resp: 1109940

Ion Ratio Lower Upper

154 100

153 113.2 90.5 135.7

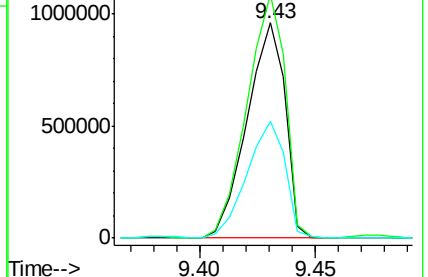
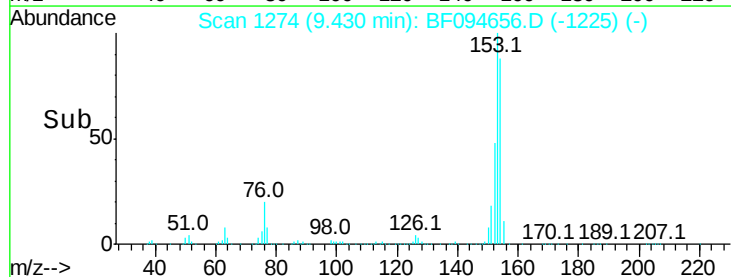
152 54.5 43.6 65.4

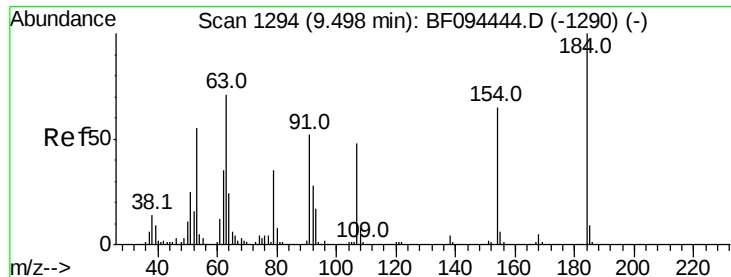


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

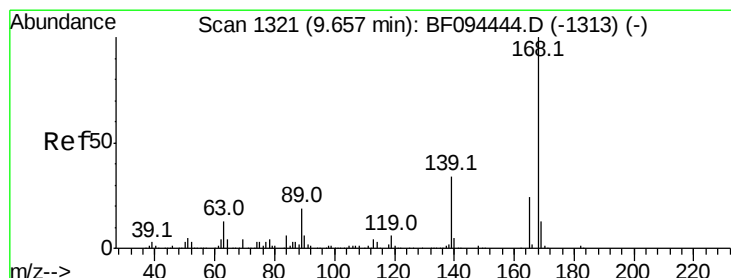
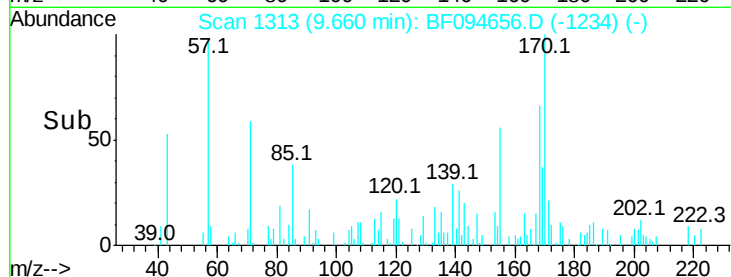
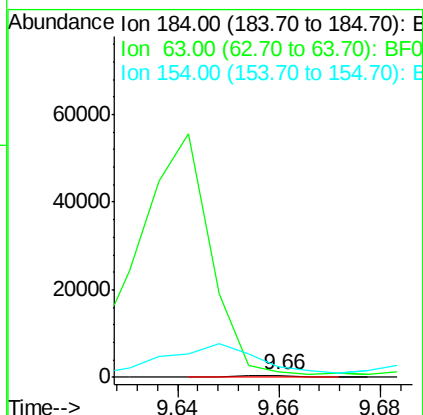
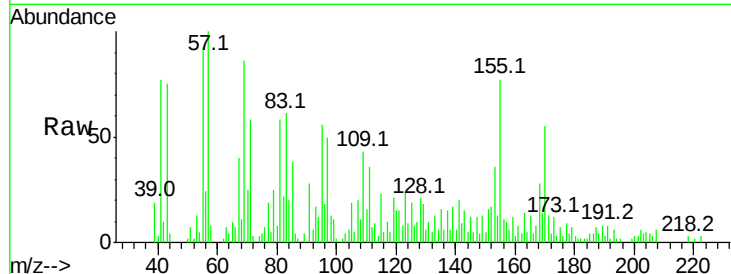




#53
2,4-Dinitrophenol
Concen: 5.88 ng
RT: 9.66 min Scan# 1313
Delta R.T. 0.16 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

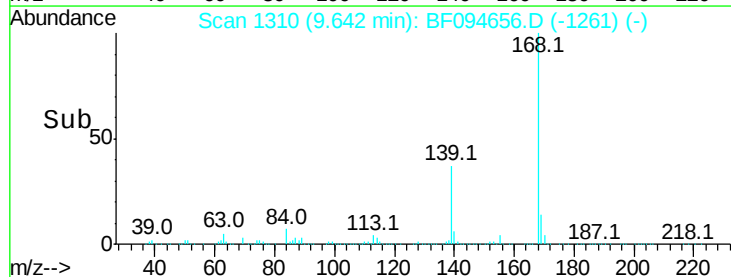
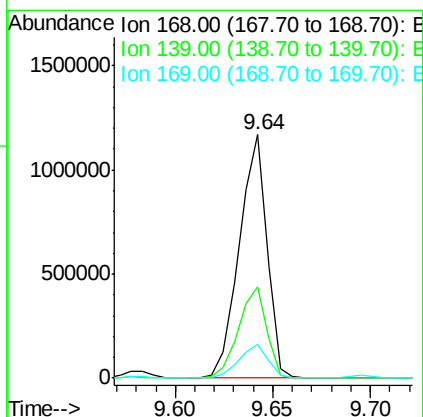
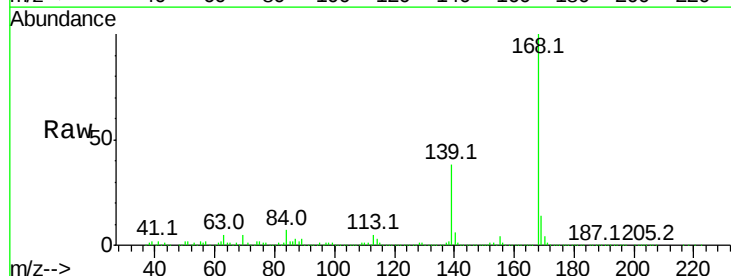
Instrument :
BNA_F
ClientSampleId :

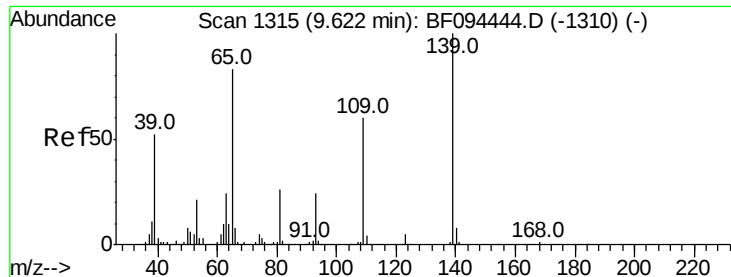
Tot Ion:184 Resp: 271
Ion Ratio Lower Upper
184 100
63 320.9 62.7 94.1#
154 609.0 81.1 121.7#



#54
Dibenzofuran
Concen: 57.99 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:168 Resp: 1146286
Ion Ratio Lower Upper
168 100
139 37.6 30.6 45.8
169 14.0 10.8 16.2





#55

4-Nitrophenol

Concen: 141.52 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.02 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampled :

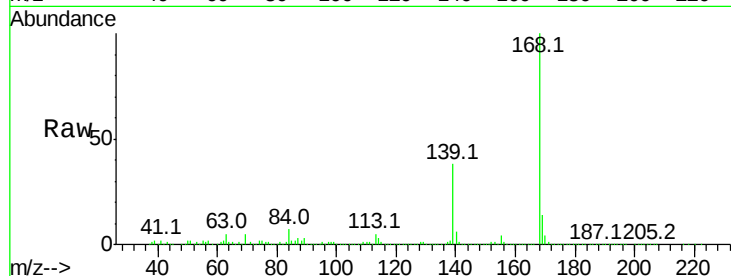
Tot Ion:139 Resp: 433846

Ion Ratio Lower Upper

139 100

109 2.3 34.1 74.1#

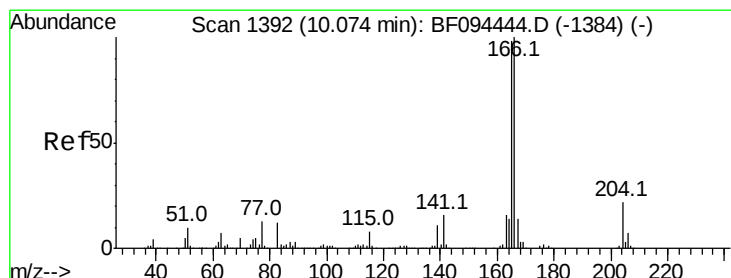
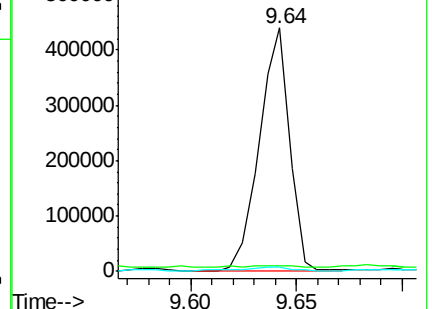
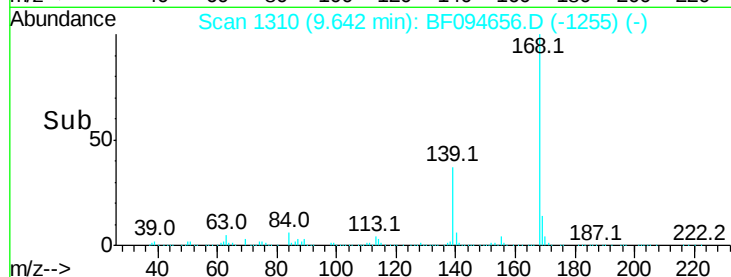
65 1.7 31.4 71.4#



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: 77.79 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

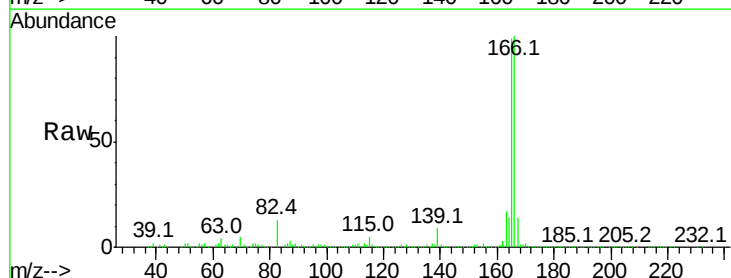
Tgt Ion:166 Resp: 1197378

Ion Ratio Lower Upper

166 100

165 99.2 78.8 118.2

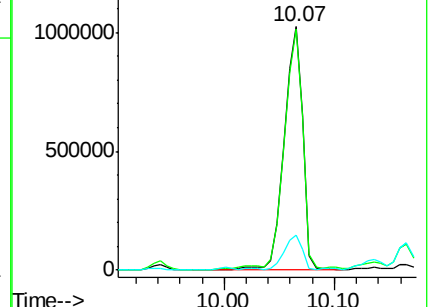
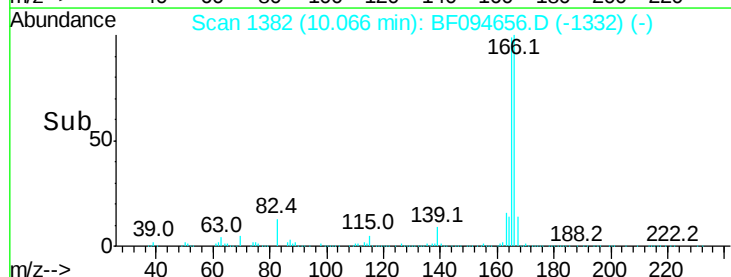
167 14.2 10.6 16.0

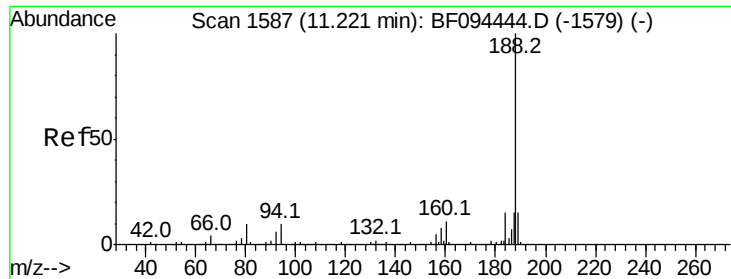


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

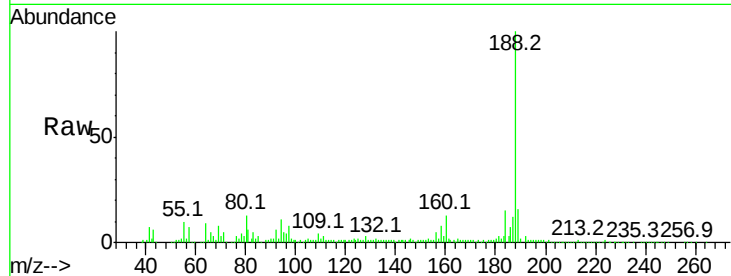




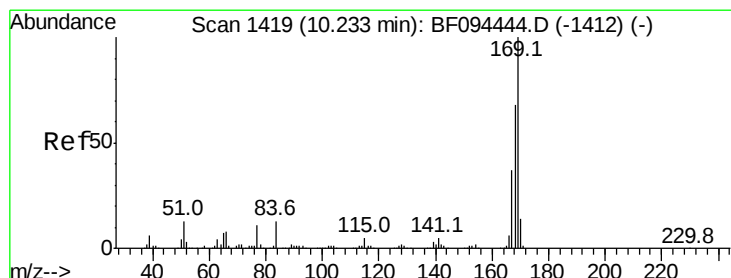
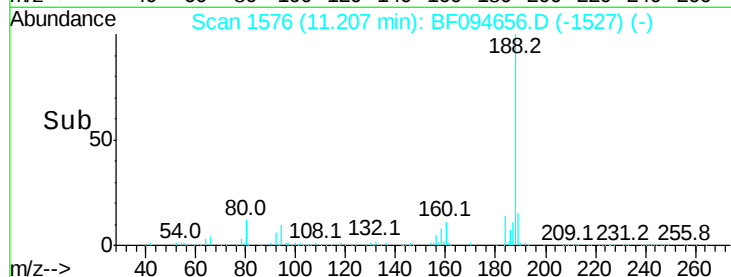
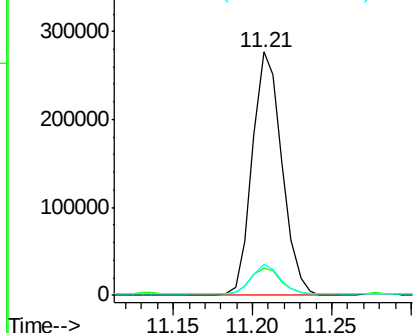
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 359686
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 12.5 10.2 15.2

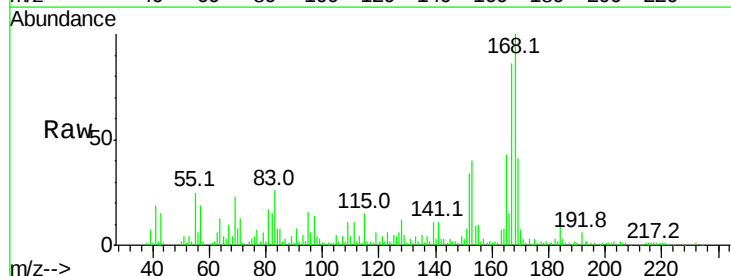


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

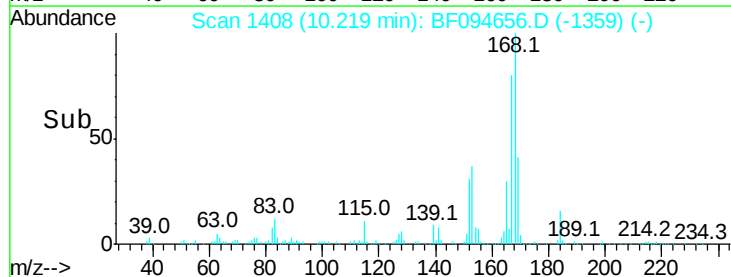
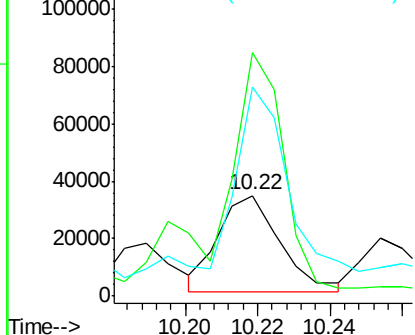


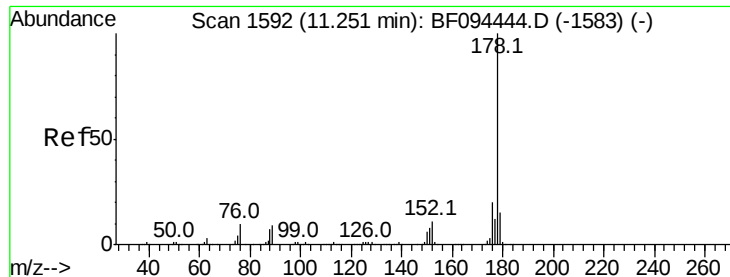
#65
n-Nitrosodiphenylamine
Concen: 3.21 ng
RT: 10.22 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:169 Resp: 40183
Ion Ratio Lower Upper
169 100
168 242.1 53.2 79.8#
167 208.5 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 122.09 ng

RT: 11.25 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

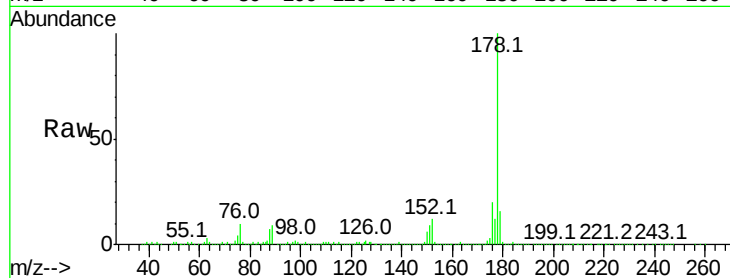
Tot Ion:178 Resp: 2472887

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

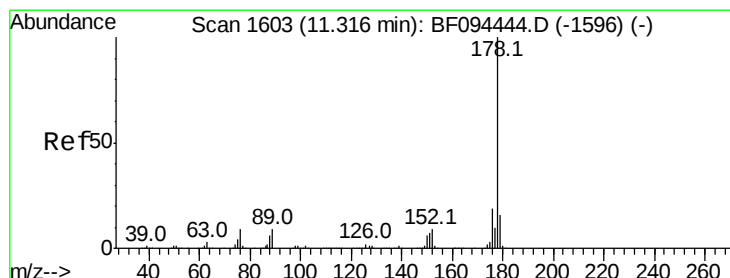
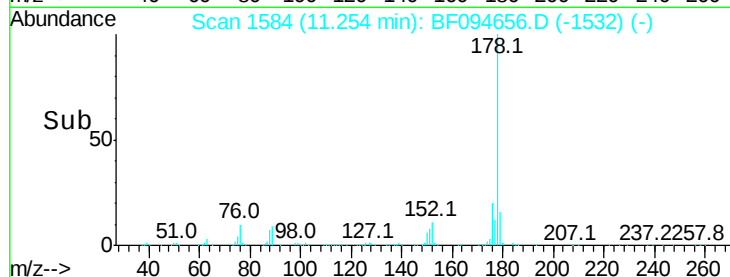
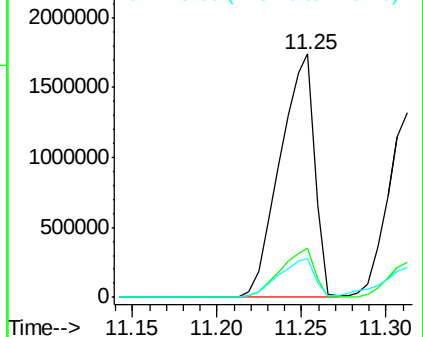
179 15.9 12.6 19.0



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: 68.77 ng

RT: 11.31 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

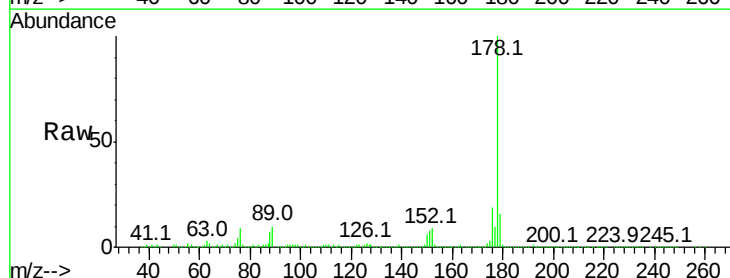
Tgt Ion:178 Resp: 1440904

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

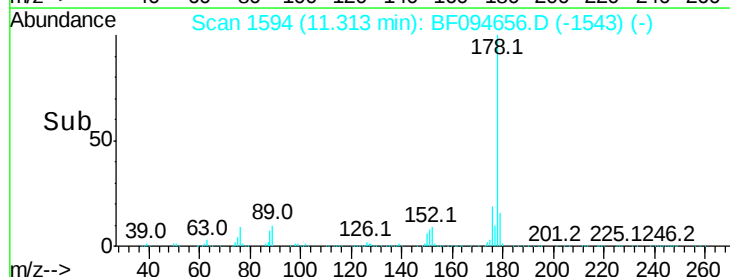
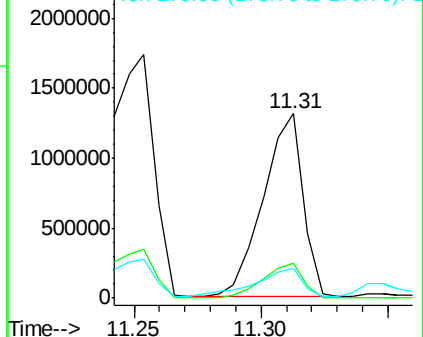
179 16.0 12.7 19.1

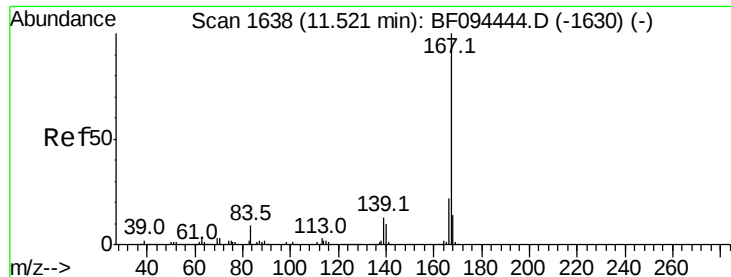


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.90 ng

RT: 11.51 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

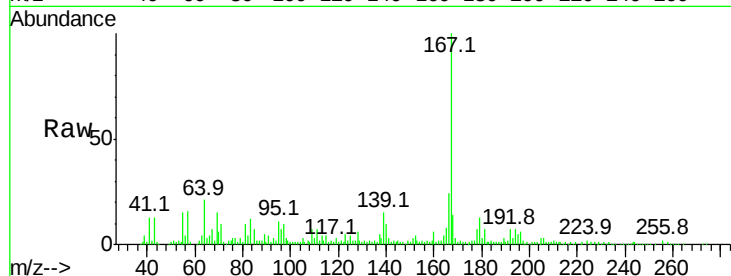
Tot Ion:167 Resp: 155372

Ion Ratio Lower Upper

167 100

166 24.2 18.1 27.1

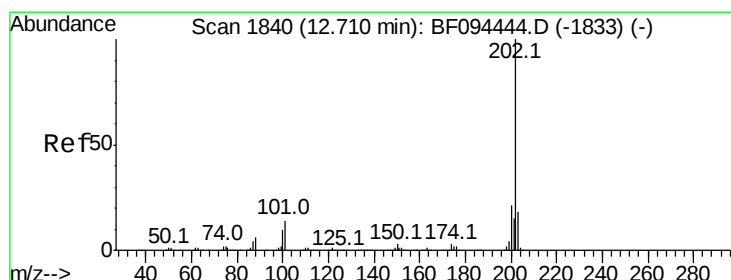
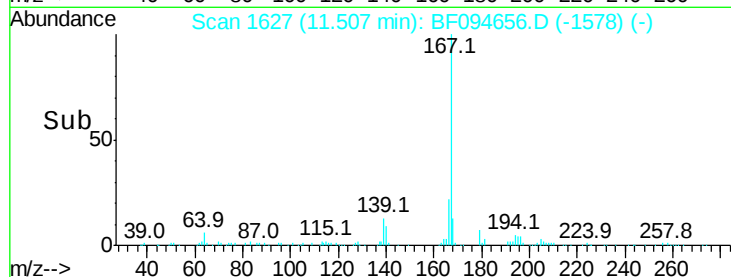
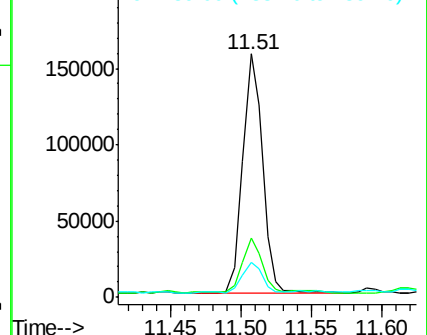
139 14.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 100.59 ng

RT: 12.72 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

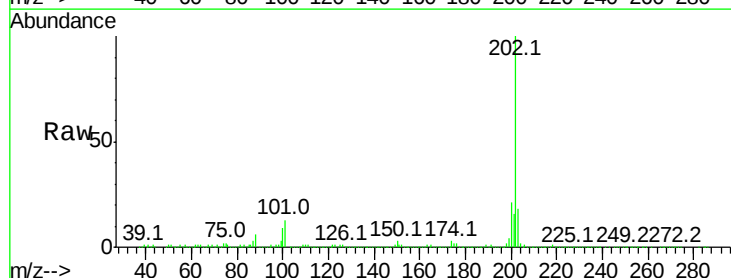
Tgt Ion:202 Resp: 2111677

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

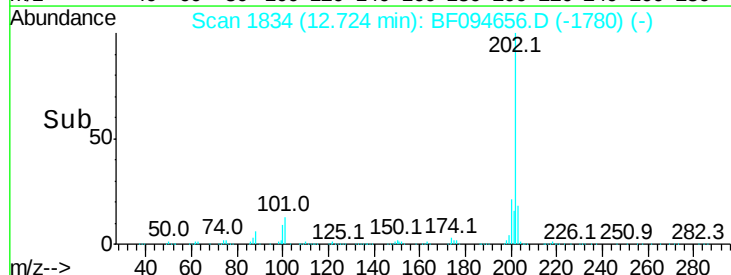
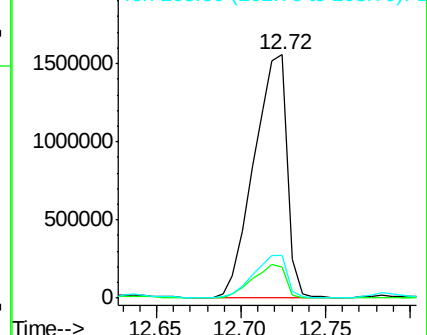
203 17.8 0.0 38.1

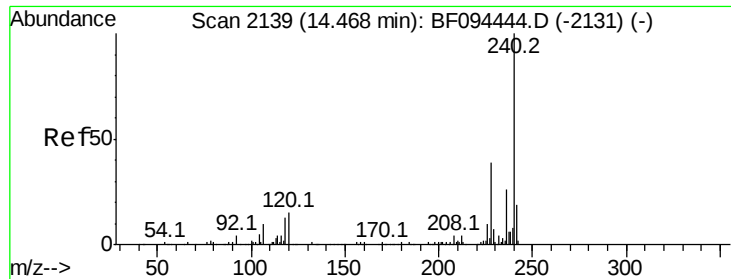


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampled :

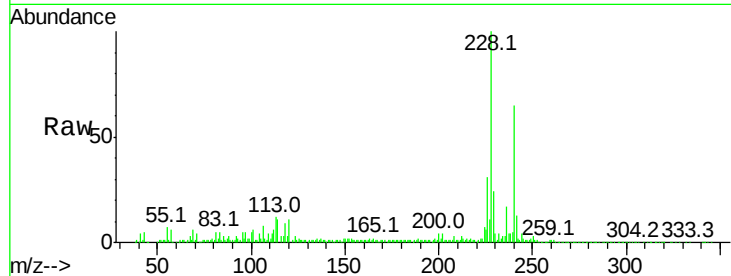
Tot Ion:240 Resp: 246476

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

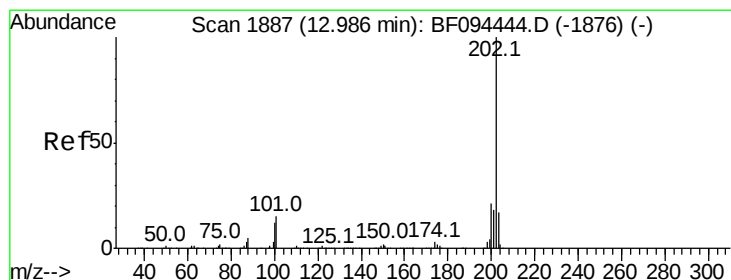
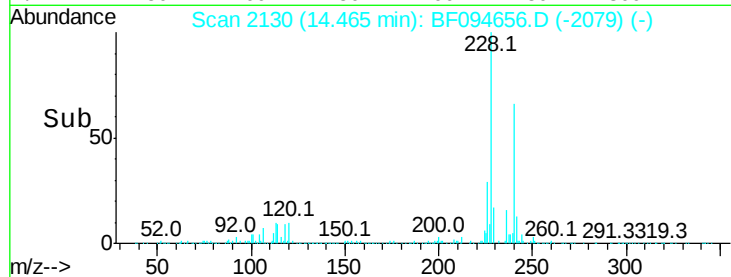
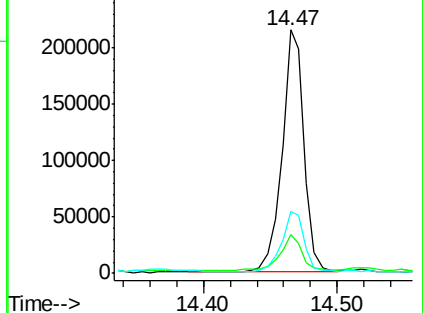
236 25.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 120.62 ng

RT: 12.99 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

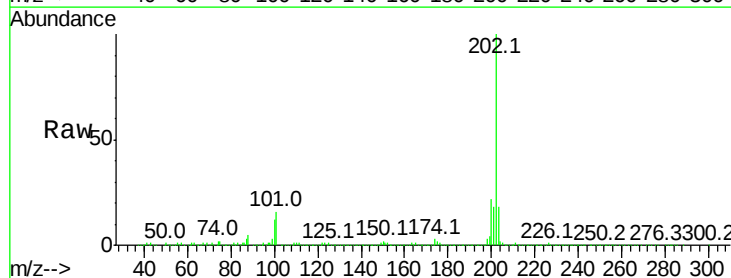
Tgt Ion:202 Resp: 2077110

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

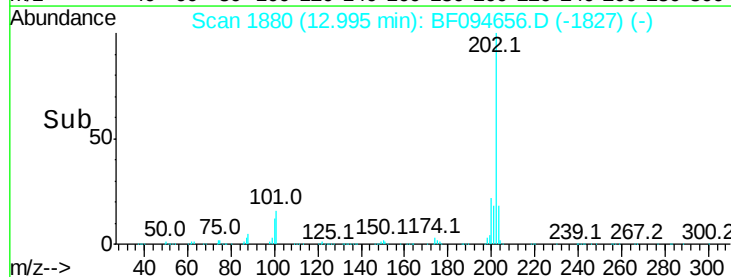
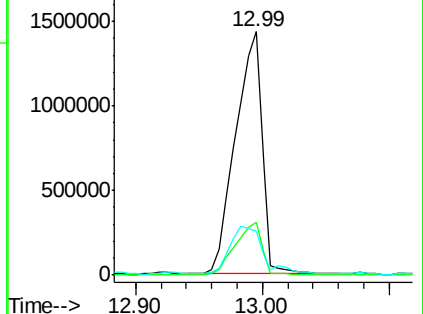
203 17.9 14.4 21.6

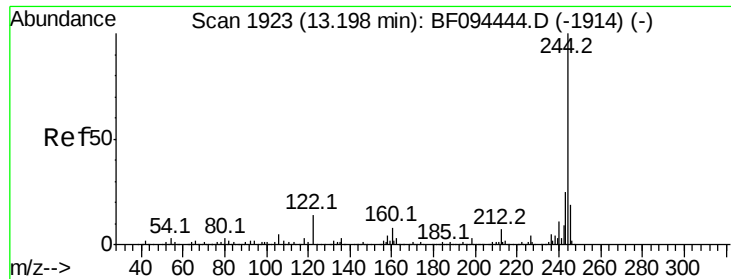


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.40 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

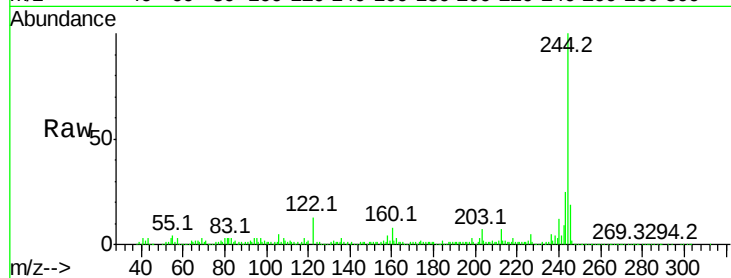
Tot Ion:244 Resp: 593825

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

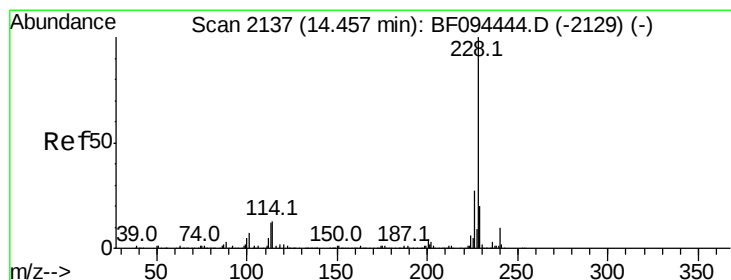
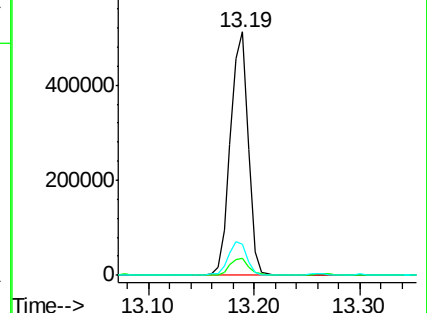
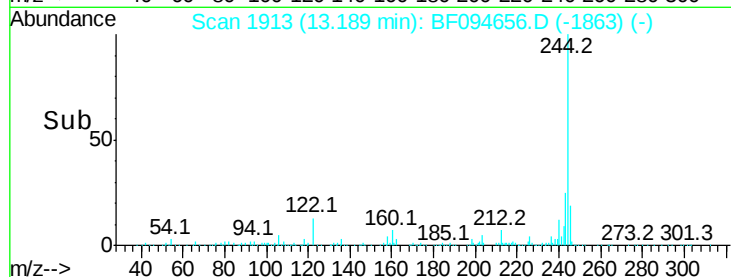
122 13.0 10.3 15.5



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: 59.05 ng

RT: 14.46 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

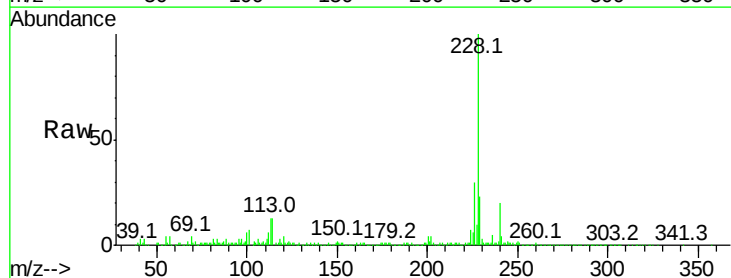
Tgt Ion:228 Resp: 845978

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

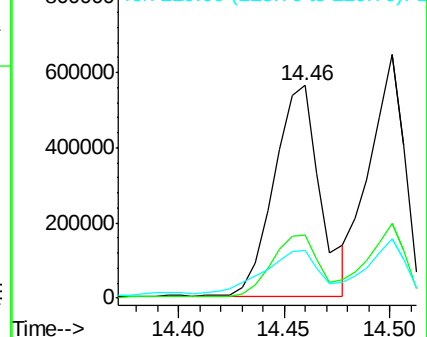
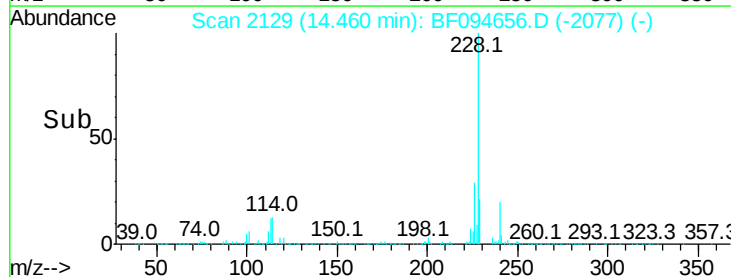
229 22.7 16.3 24.5

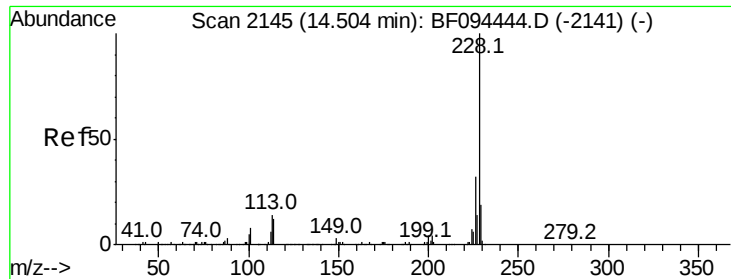


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

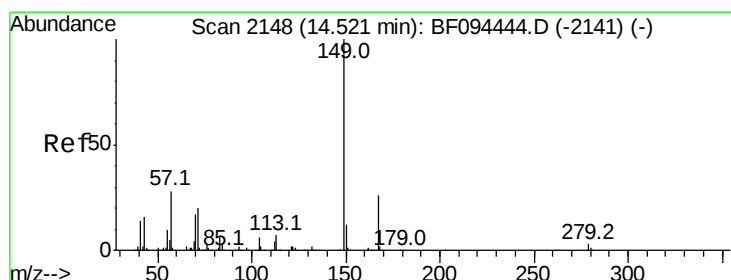
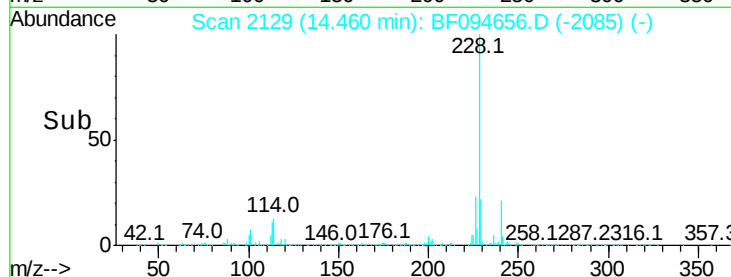
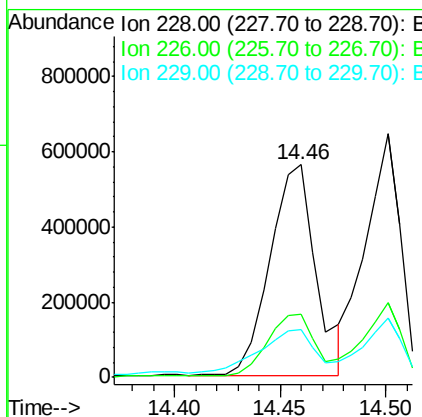
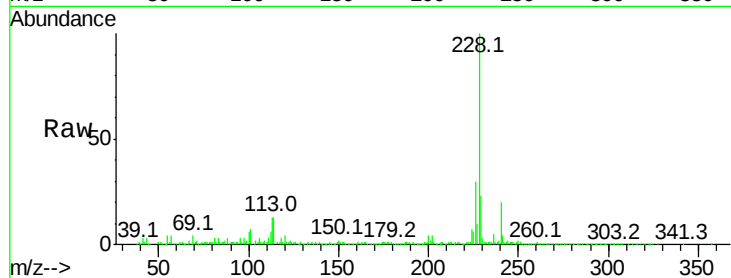




#82
 Chrysene
 Concen: 64.62 ng
 RT: 14.46 min Scan# 2129
 Delta R.T. -0.04 min
 Lab File: BF094656.D
 Acq: 26 Apr 2017 19:28

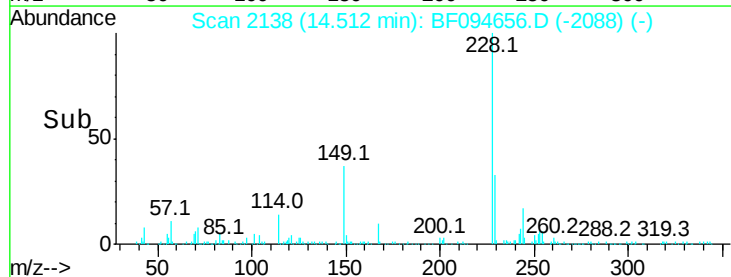
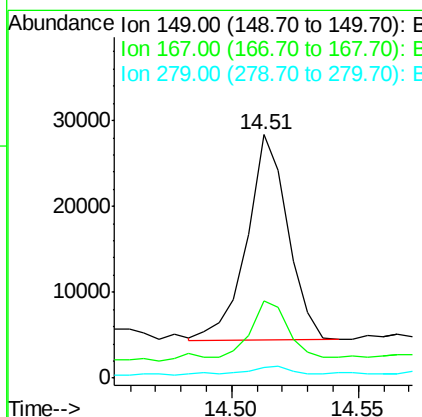
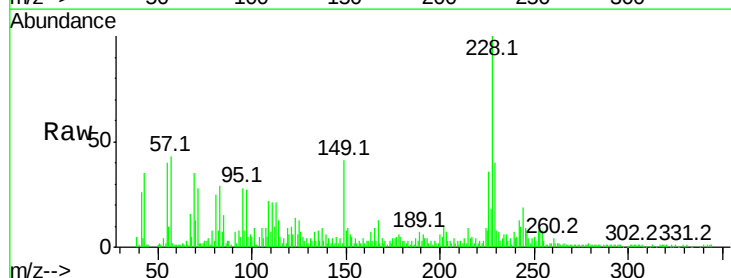
Instrument :
 BNA_F
 ClientSampleId :

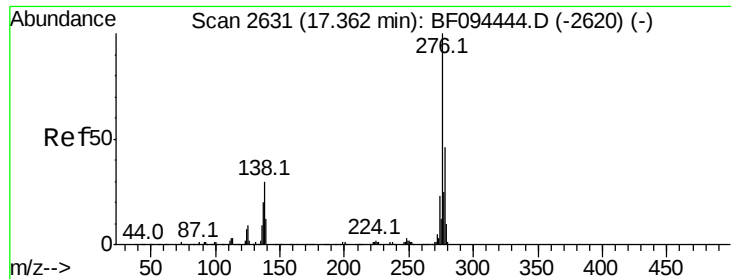
Tot Ion:228 Resp: 845978
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.9 37.3
 229 22.7 15.8 23.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.67 ng
 RT: 14.51 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BF094656.D
 Acq: 26 Apr 2017 19:28

Tgt Ion:149 Resp: 27013
 Ion Ratio Lower Upper
 149 100
 167 31.6 21.0 31.4#
 279 4.5 1.9 2.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 28.83 ng

RT: 17.39 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

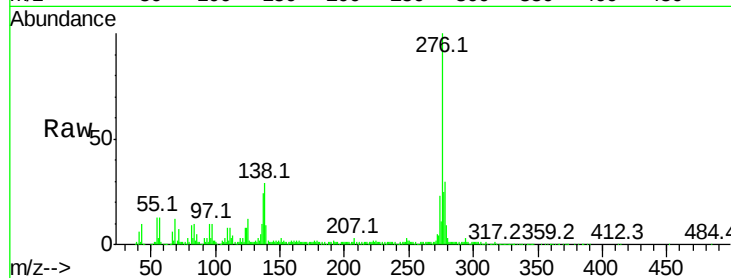
Tot Ion:276 Resp: 359157

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

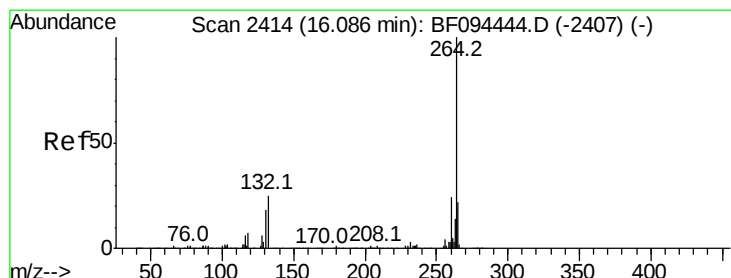
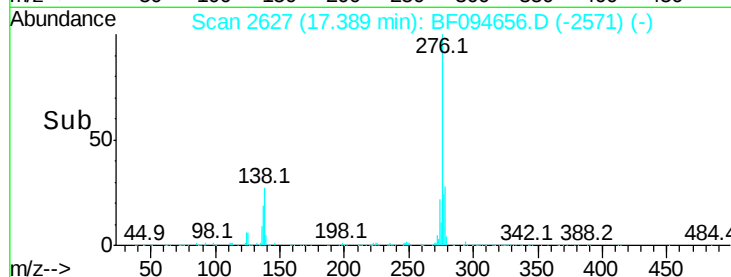
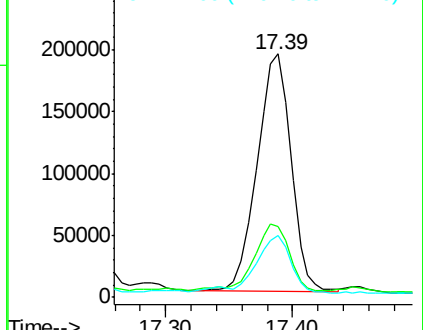
277 25.5 20.2 30.4



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: 16.10 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

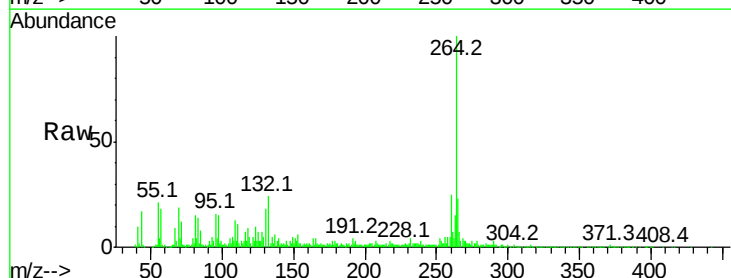
Tgt Ion:264 Resp: 234156

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

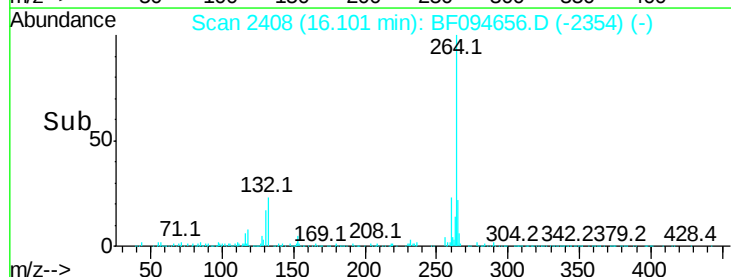
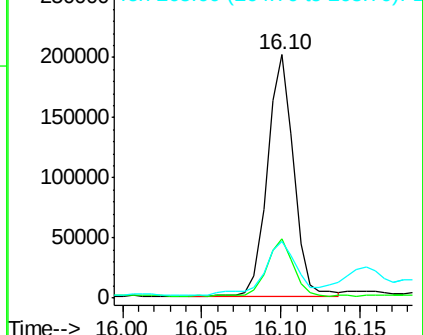
265 23.1 17.2 25.8

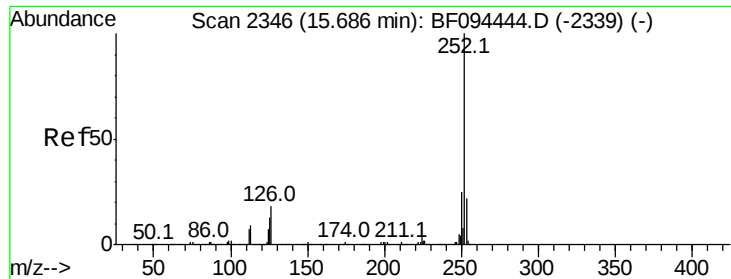


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 74.76 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

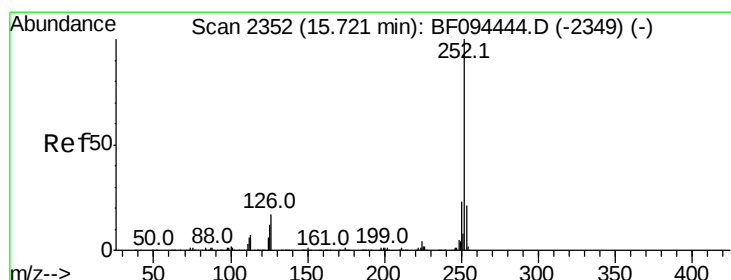
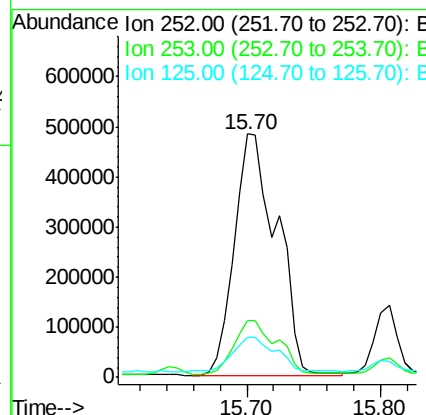
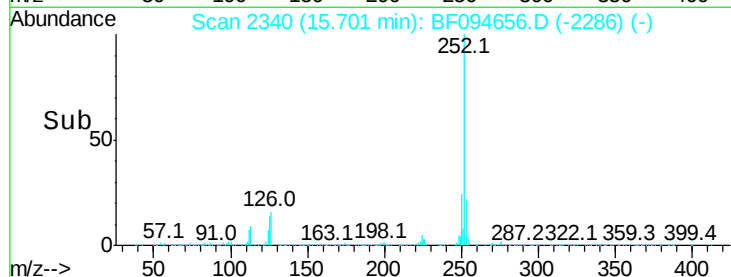
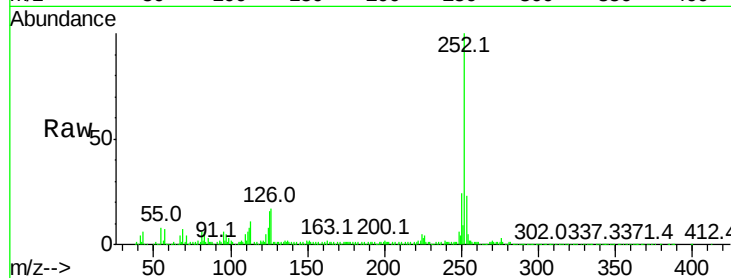
Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1070792

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	16.5	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 78.99 ng

RT: 15.70 min Scan# 2340

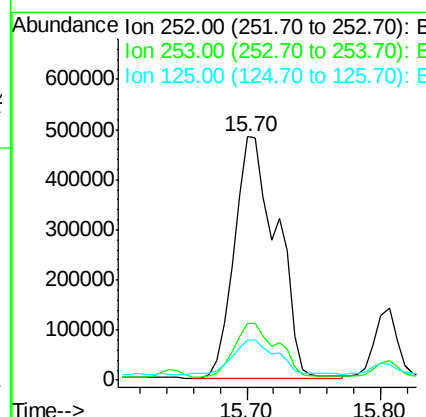
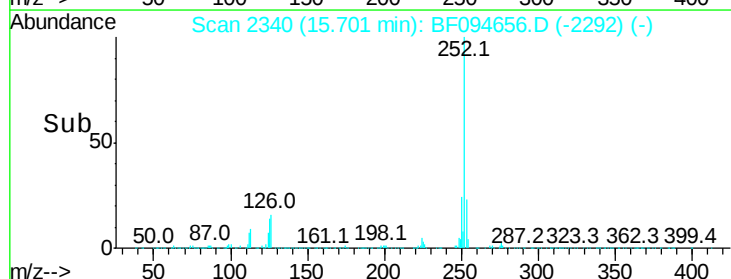
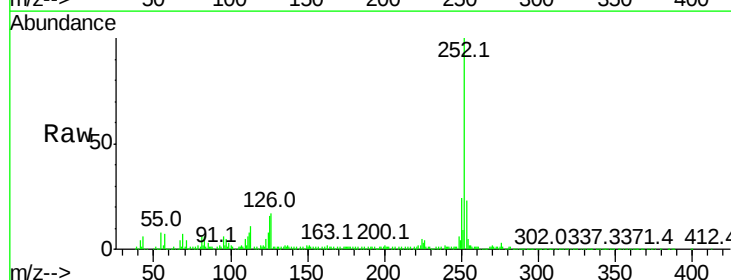
Delta R.T. -0.02 min

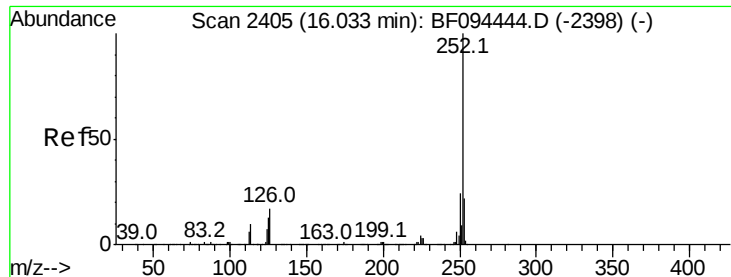
Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Tgt Ion:252 Resp: 1070792

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	16.5	13.1	19.7





#89

Benzo(a)pyrene

Concen: 52.25 ng

RT: 16.05 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

Instrument :

BNA_F

ClientSampleId :

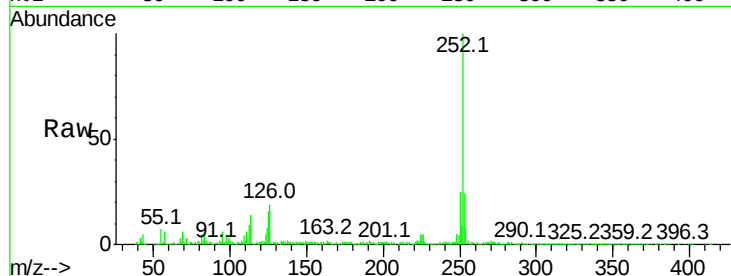
Tot Ion:252 Resp: 696264

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

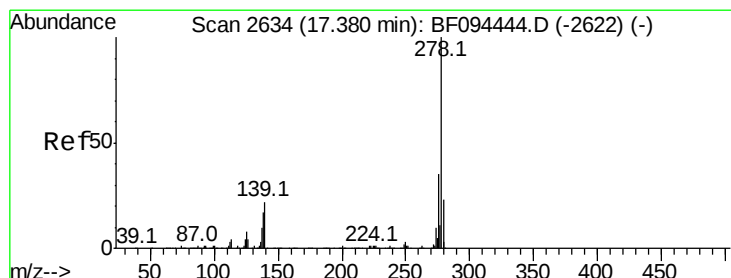
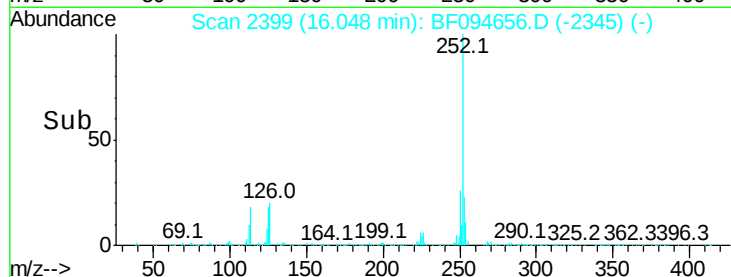
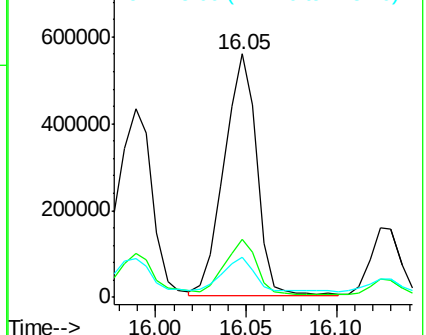
125 16.2 11.0 16.4



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: 9.49 ng

RT: 17.39 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BF094656.D

Acq: 26 Apr 2017 19:28

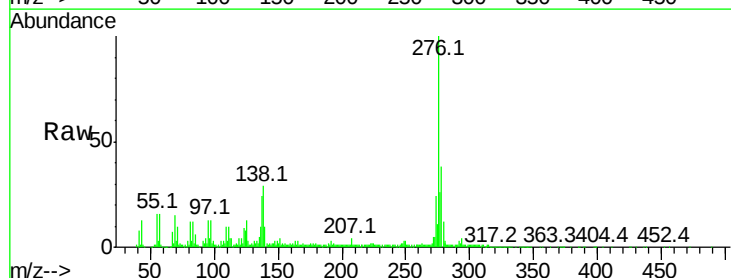
Tgt Ion:278 Resp: 105013

Ion Ratio Lower Upper

278 100

139 27.4 16.6 24.8#

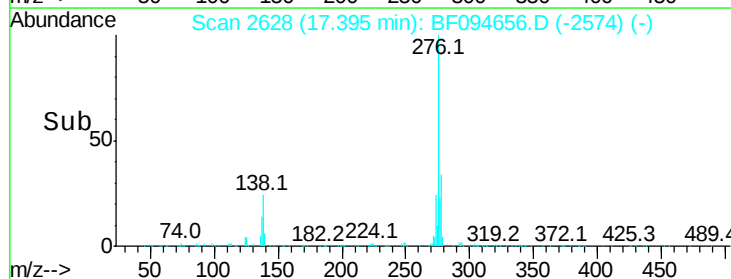
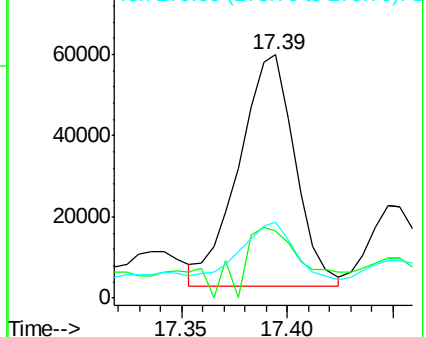
279 31.2 19.3 28.9#

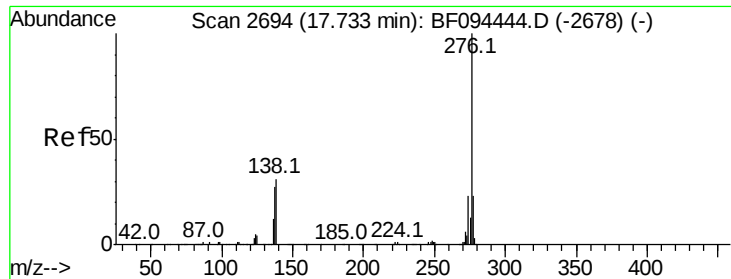


Abundance Ion 278.00 (277.70 to 278.70): E

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: 40.09 ng
 RT: 17.77 min Scan# 2691
 Delta R.T. 0.03 min
 Lab File: BF094656.D
 Acq: 26 Apr 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.5	25.4	38.0

