

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094754.D
 Acq On : 1 May 2017 16:33
 Operator : SJ/MA
 Sample : I2927-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:38:20 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

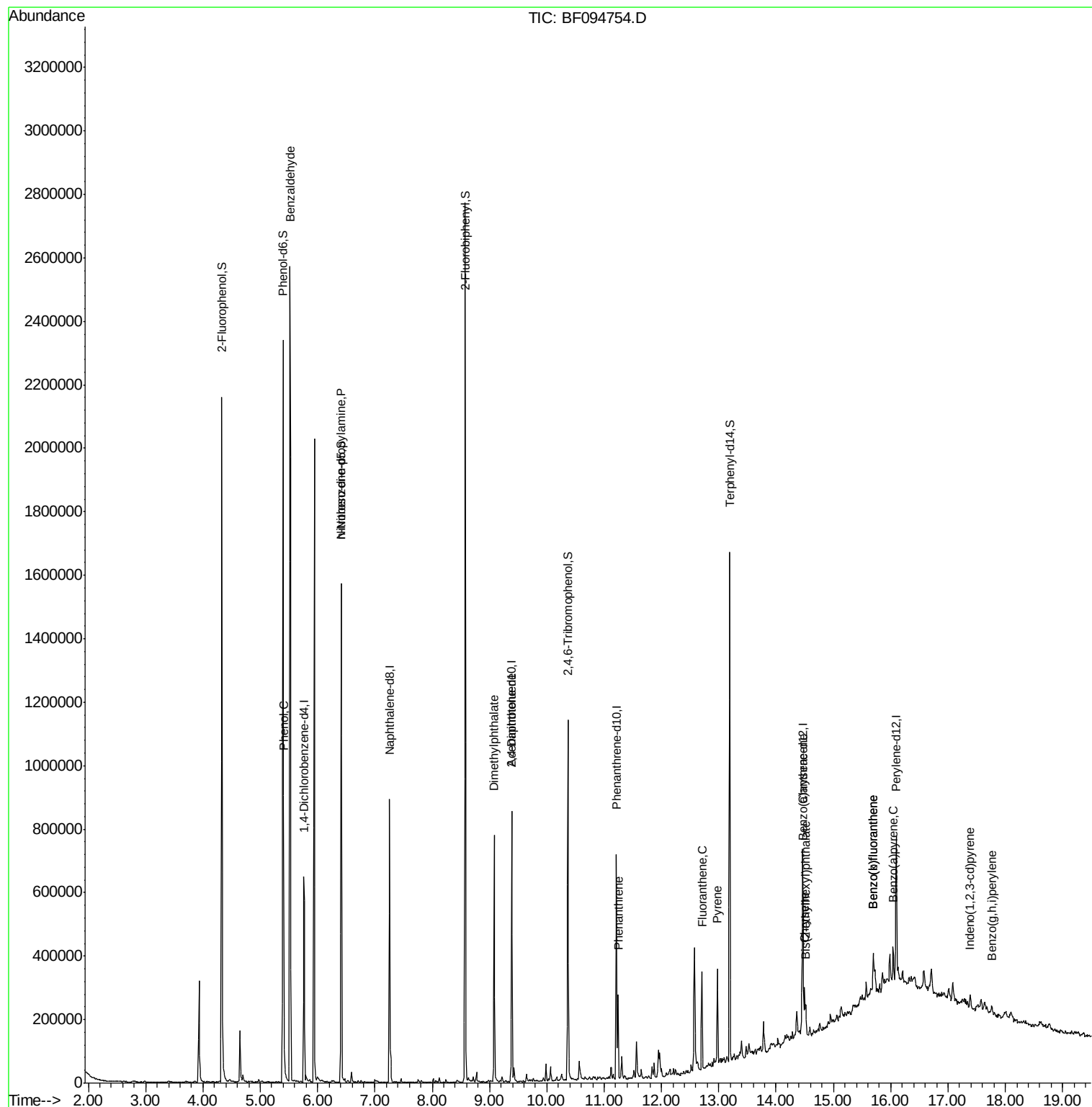
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	105718	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	402578	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	177420	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	268740	20.00	ng	0.00
75) Chrysene-d12	14.47	240	207634	20.00	ng	0.00
86) Perylene-d12	16.09	264	170907	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	716022	112.37	ng	0.03
7) Phenol-d6	5.40	99	880885	117.26	ng	0.00
23) Nitrobenzene-d5	6.41	82	550139	84.38	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	150213	108.24	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	919678	76.27	ng	0.00
78) Terphenyl-d14	13.19	244	553767	71.29	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	15606	2.73	ng	83
10) Phenol	5.41	94	18642	2.02	ng	95
19) n-Nitroso-di-n-propylamine	6.41	70	70554	14.17	ng	# 78
49) Dimethylphthalate	9.08	163	351570	26.59	ng	99
56) 2,4-Dinitrotoluene	9.39	165	23281	6.39	ng	# 31
70) Phenanthrene	11.24	178	110612	7.31	ng	98
74) Fluoranthene	12.71	202	145207	9.26	ng	97
77) Pyrene	12.98	202	127358	8.78	ng	96
80) Benzo(a)anthracene	14.45	228	58456	4.84	ng	99
82) Chrysene	14.49	228	56049	5.08	ng	97
83) Bis(2-ethylhexyl)phthalate	14.51	149	29340	3.44	ng	98
85) Indeno(1,2,3-cd)pyrene	17.39	276	23561	2.25	ng	93
87) Benzo(b)fluoranthene	15.69	252	87016	8.32	ng	# 92
88) Benzo(k)fluoranthene	15.69	252	87016	8.79	ng	96
89) Benzo(a)pyrene	16.04	252	43730	4.50	ng	# 90
91) Benzo(g,h,i)perylene	17.77	276	23373	2.84	ng	# 94

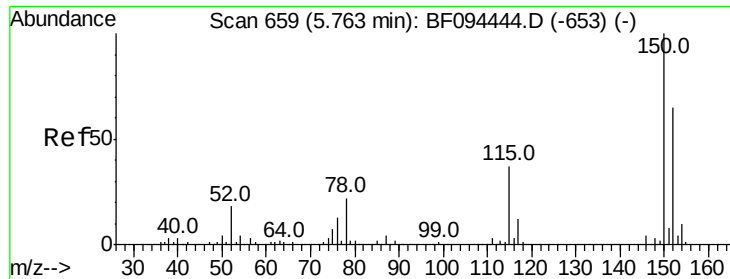
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094754.D
Acq On : 1 May 2017 16:33
Operator : SJ/MA
Sample : I2927-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 02 01:38:20 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



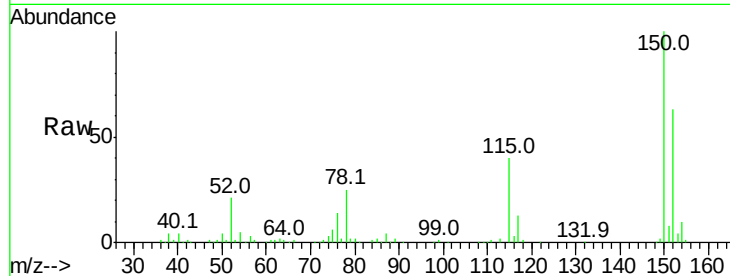


#1

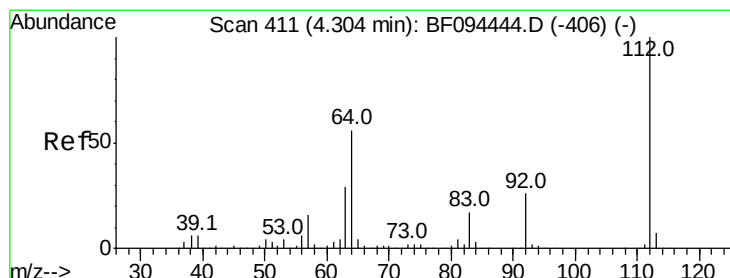
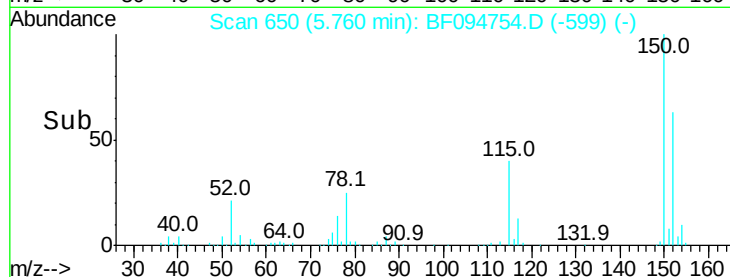
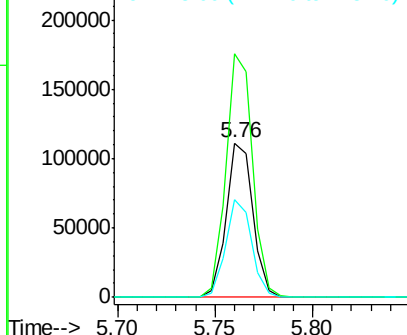
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105718
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 63.3 52.2 78.2



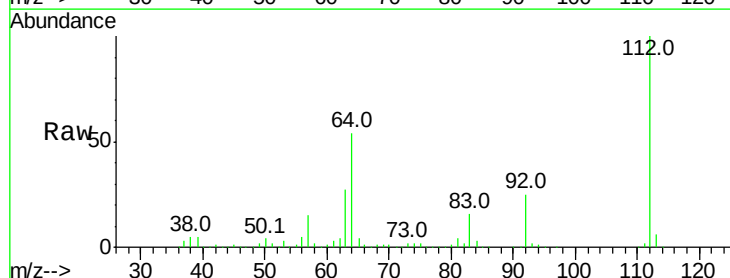
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



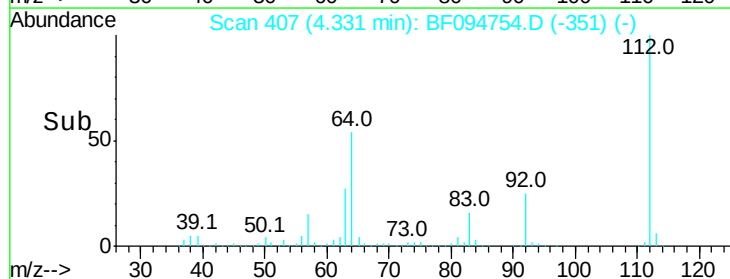
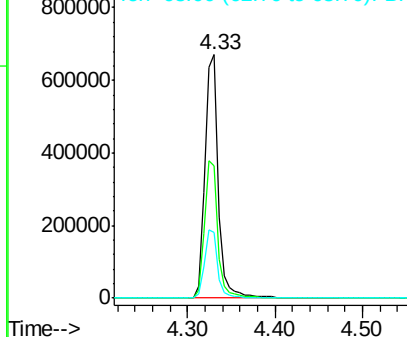
#5

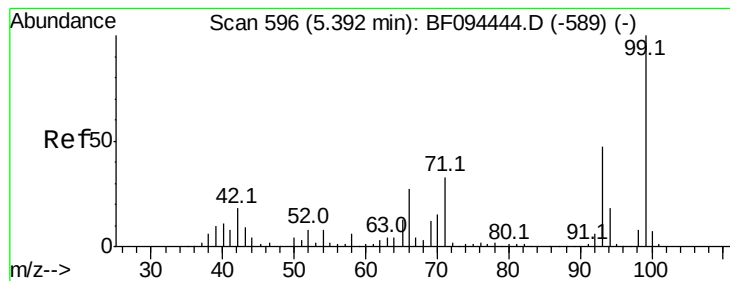
2-Fluorophenol
Concen: 112.37 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:112 Resp: 716022
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 26.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.26 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampled :

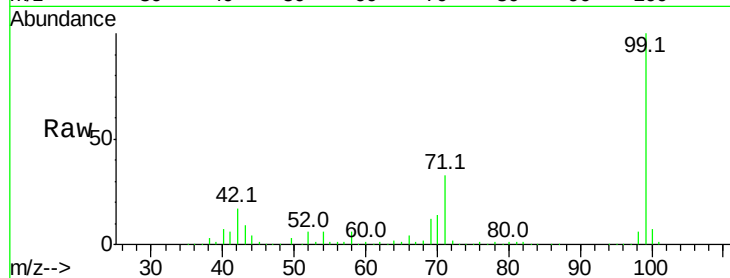
Tot Ion: 99 Resp: 880885

Ion Ratio Lower Upper

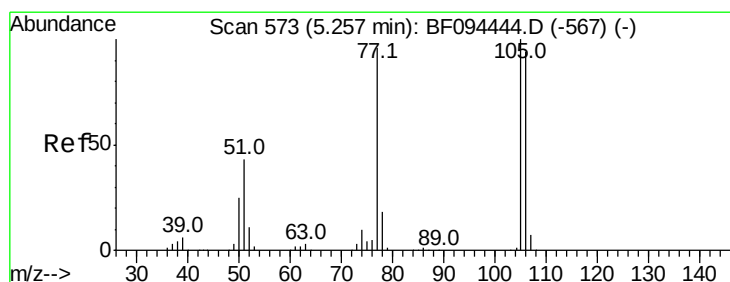
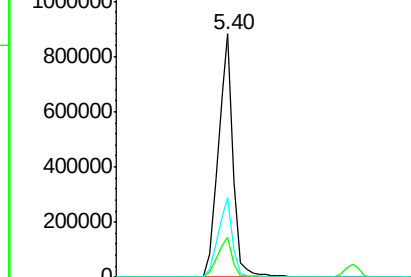
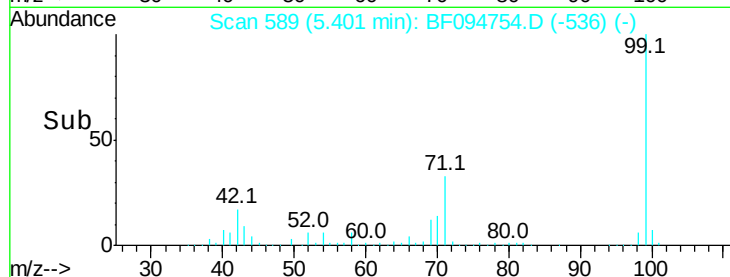
99 100

42 16.5 13.5 20.3

71 32.7 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



#9

Benzaldehyde

Concen: 2.73 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

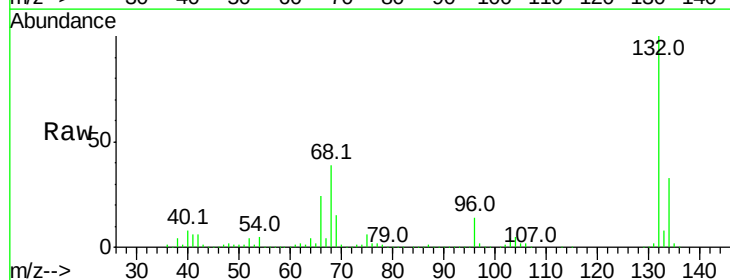
Tgt Ion: 77 Resp: 15606

Ion Ratio Lower Upper

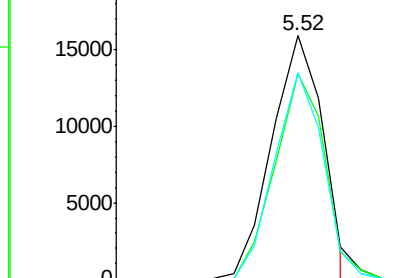
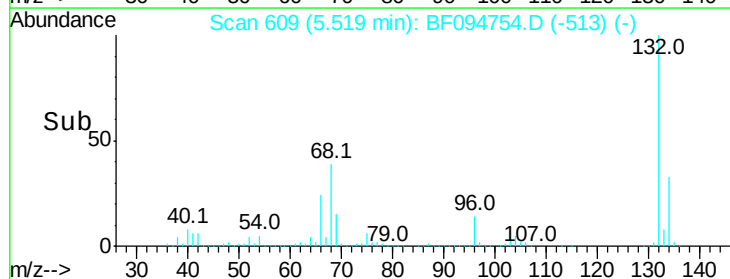
77 100

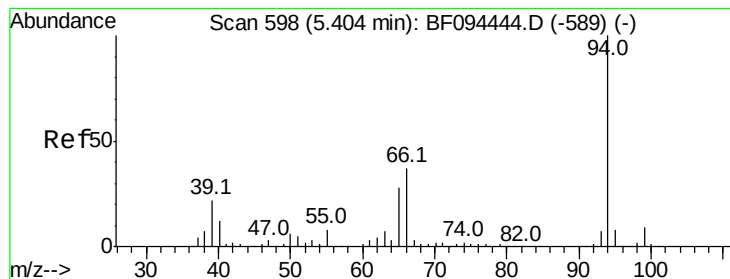
105 84.2 83.8 123.8

106 84.6 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.02 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

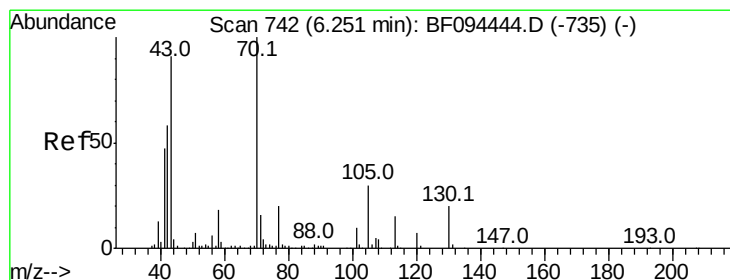
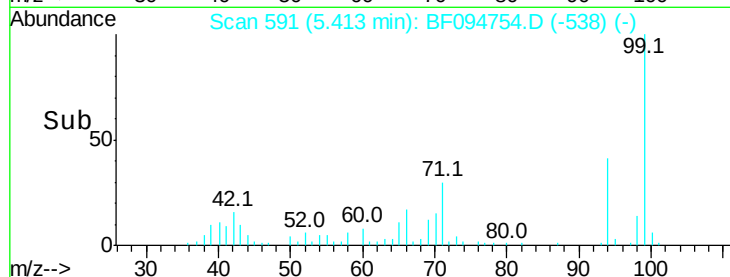
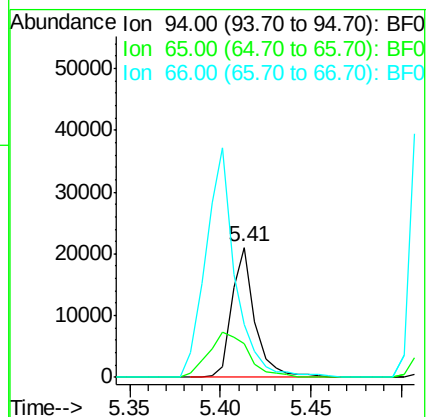
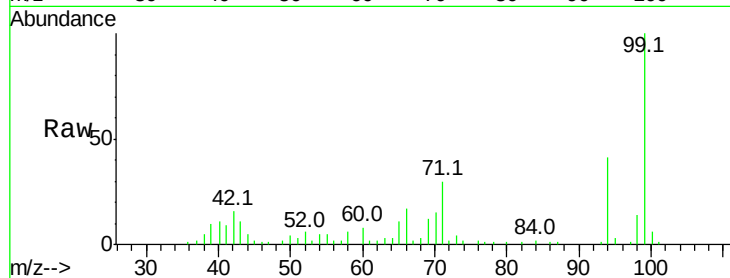
Tot Ion: 94 Resp: 18642

Ion Ratio Lower Upper

94 100

65 26.4 9.9 49.9

66 40.9 23.1 63.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.17 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Tgt Ion: 70 Resp: 70554

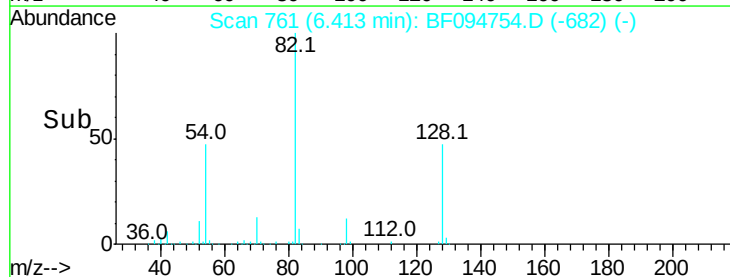
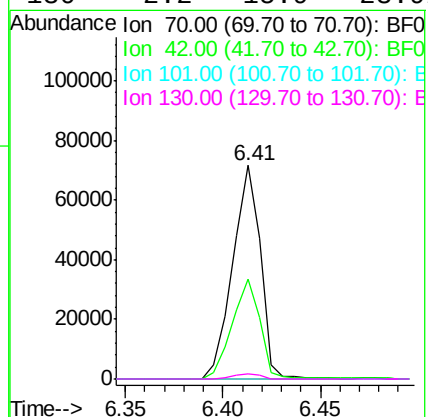
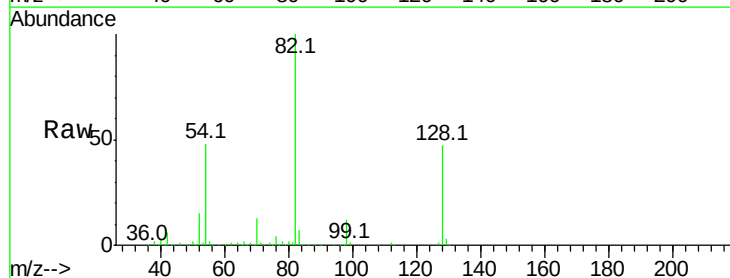
Ion Ratio Lower Upper

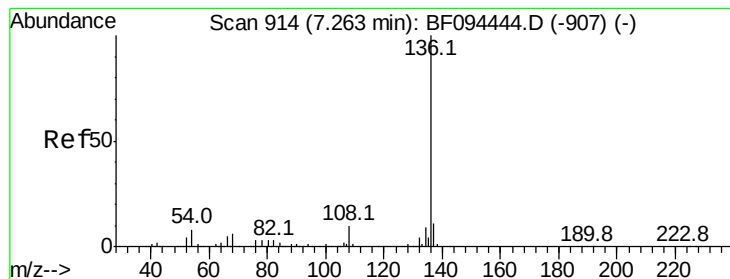
70 100

42 46.8 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: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 402578

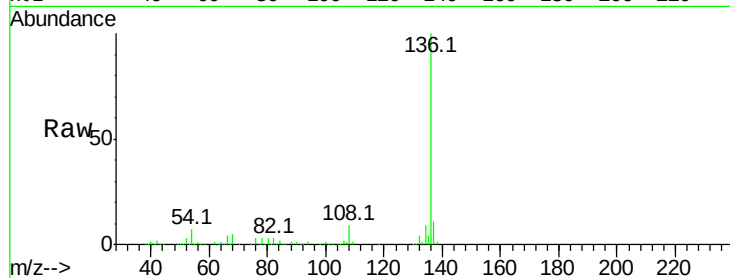
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 5.1 4.1 6.1

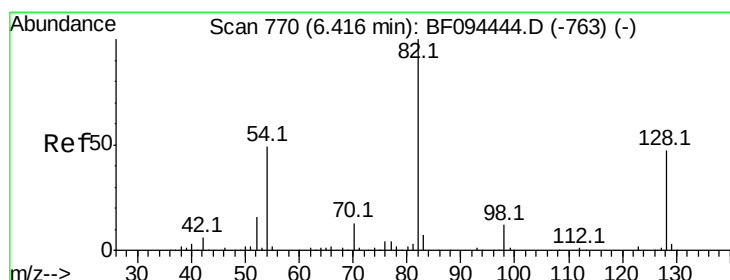
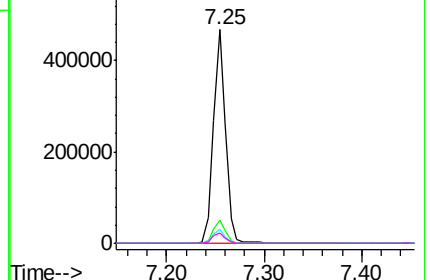
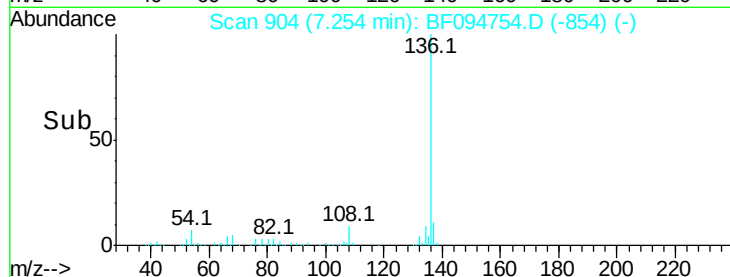


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 84.38 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

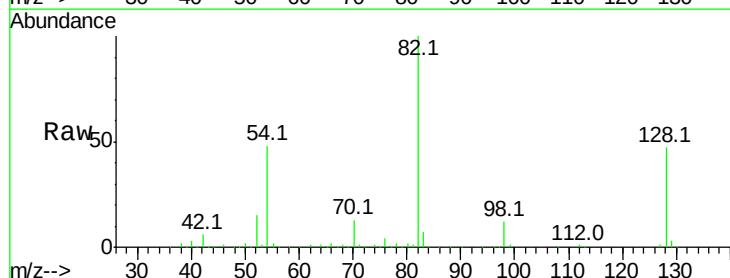
Tgt Ion: 82 Resp: 550139

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

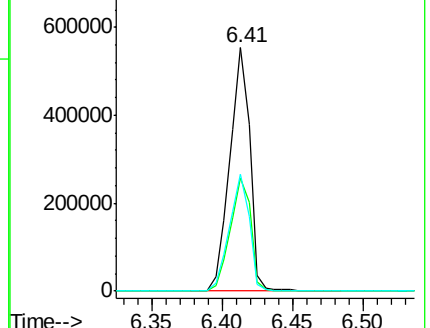
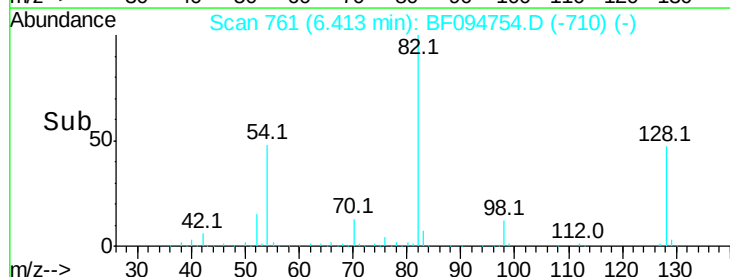
54 48.1 42.2 63.2

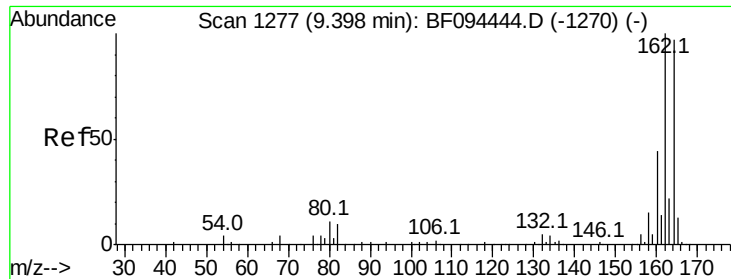


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.39 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

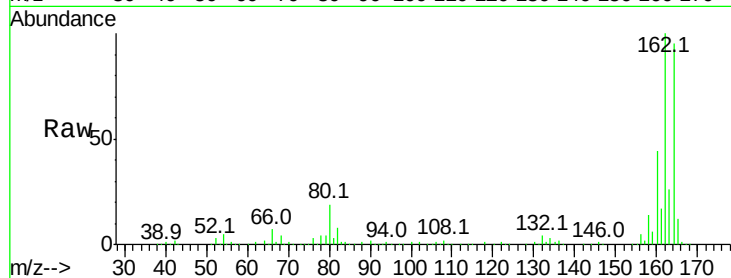
Tot Ion:164 Resp: 177420

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

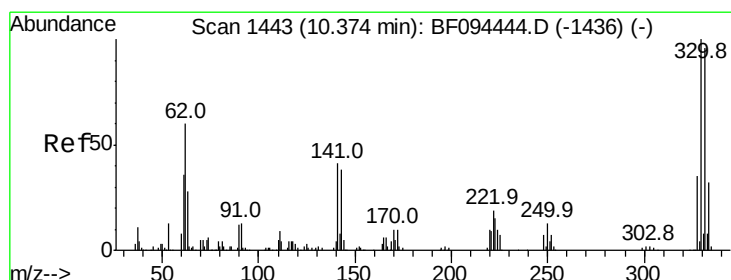
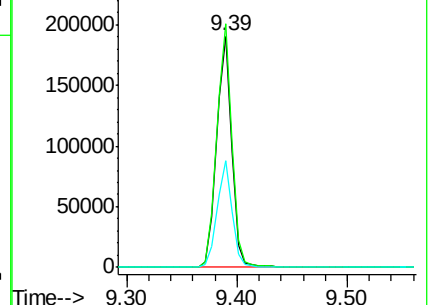
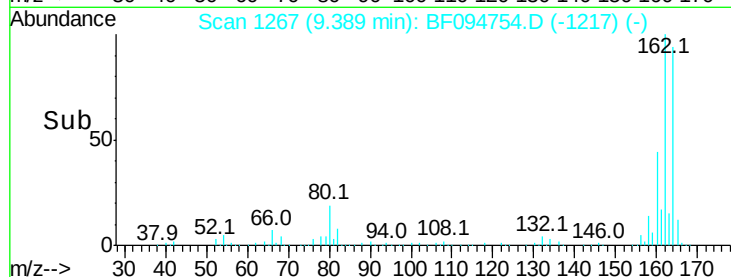
160 45.9 36.2 54.2



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: 108.24 ng

RT: 10.37 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

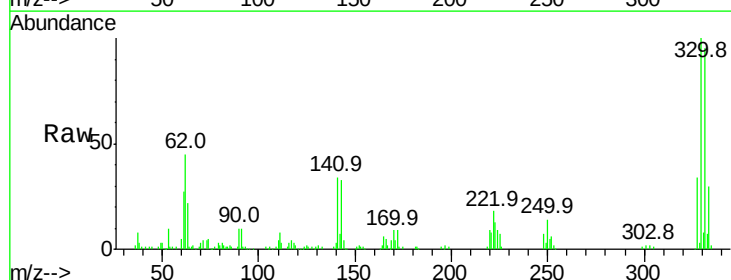
Tgt Ion:330 Resp: 150213

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

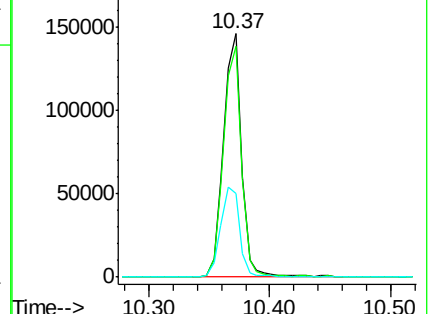
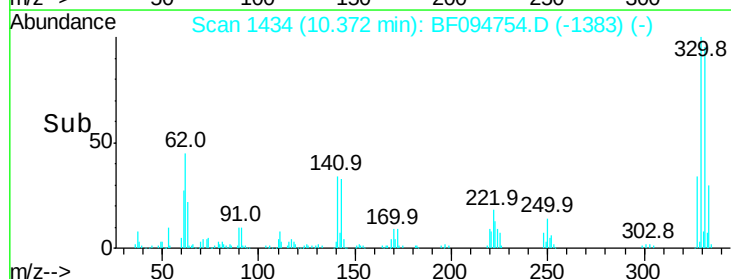
141 39.3 31.4 47.2

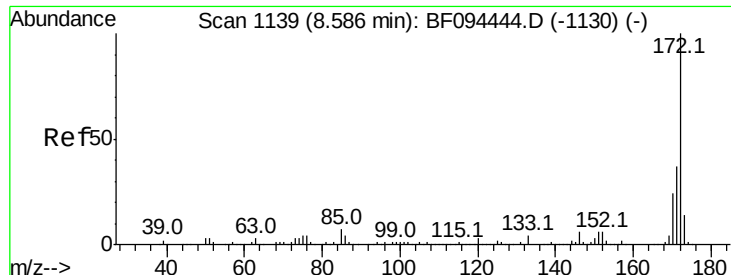


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

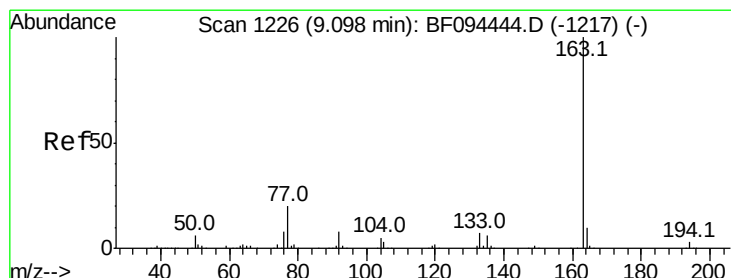
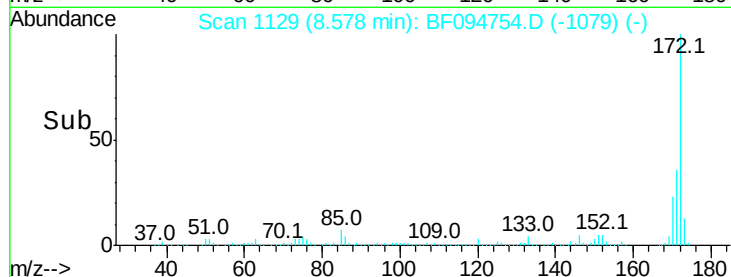
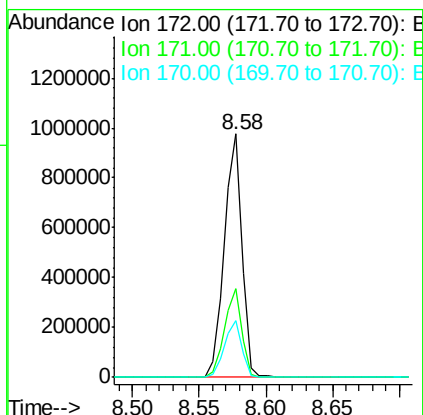
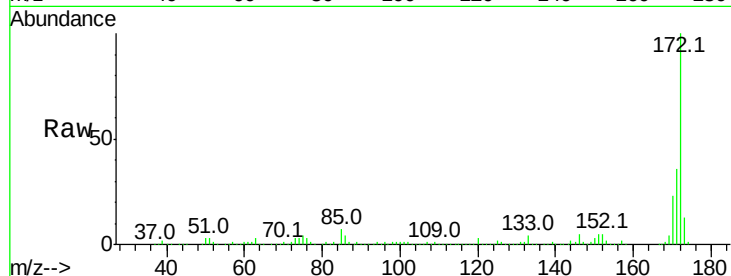




#44
2-Fluorobiphenyl
Concen: 76.27 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

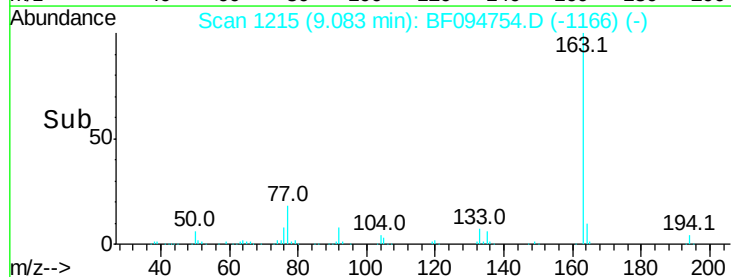
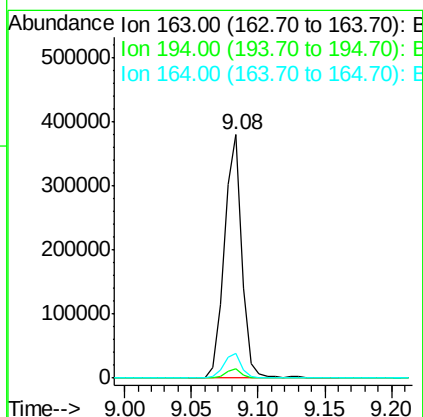
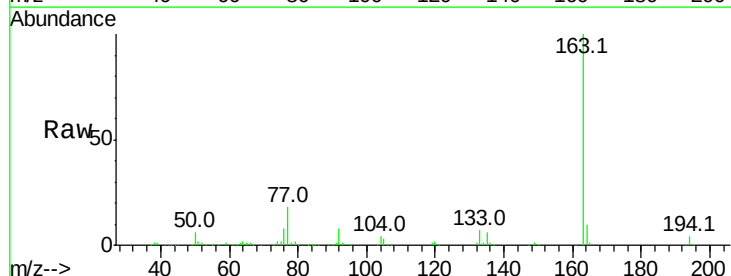
Instrument :
BNA_F
ClientSampleId :

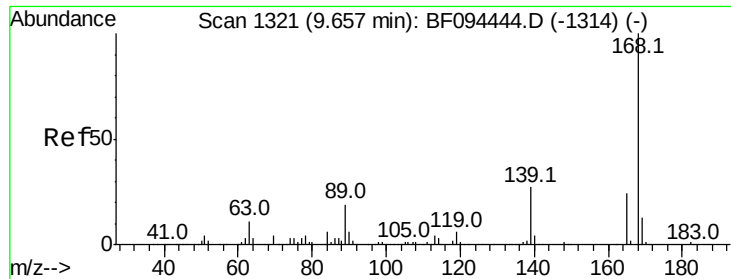
Tot Ion:172 Resp: 919678
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.5 19.8 29.8



#49
Dimethylphthalate
Concen: 26.59 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:163 Resp: 351570
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.3 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.39 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.27 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23281

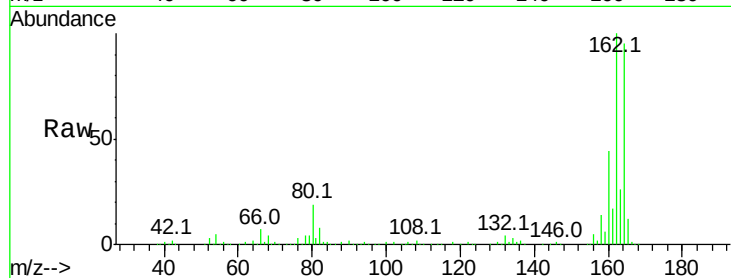
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

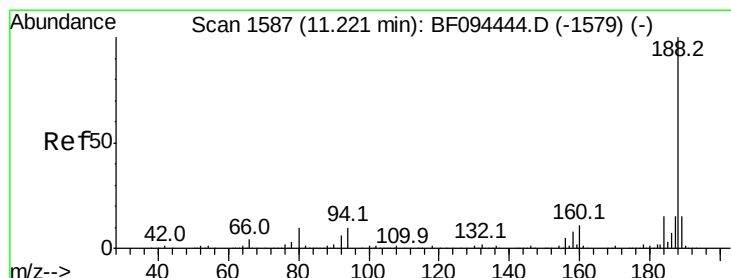
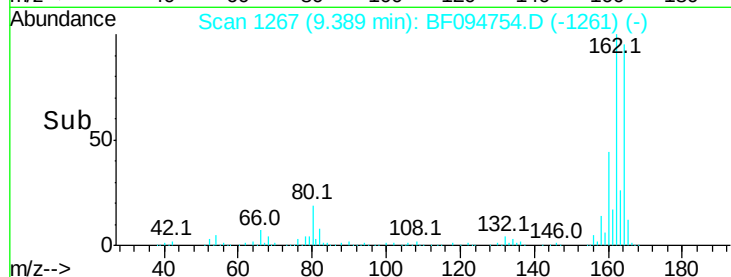
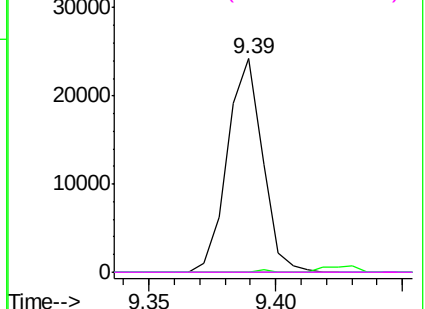


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

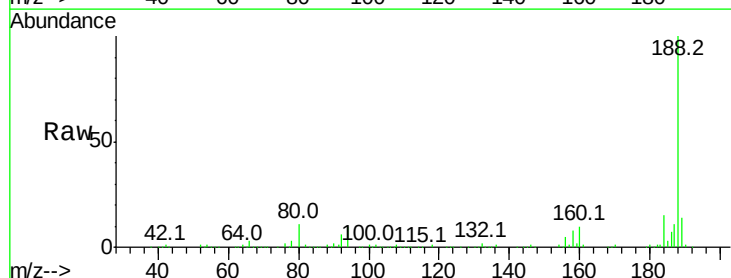
Tgt Ion:188 Resp: 268740

Ion Ratio Lower Upper

188 100

94 9.7 9.4 14.2

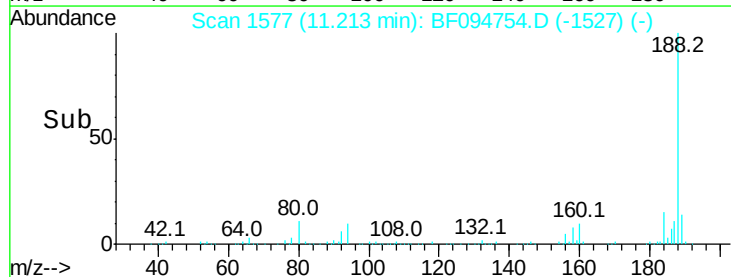
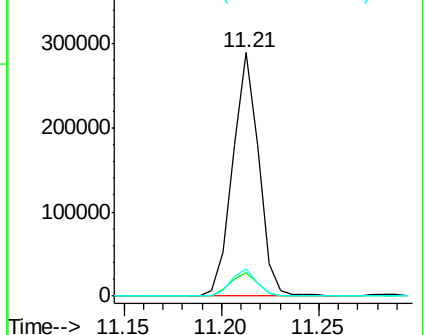
80 11.3 10.2 15.2

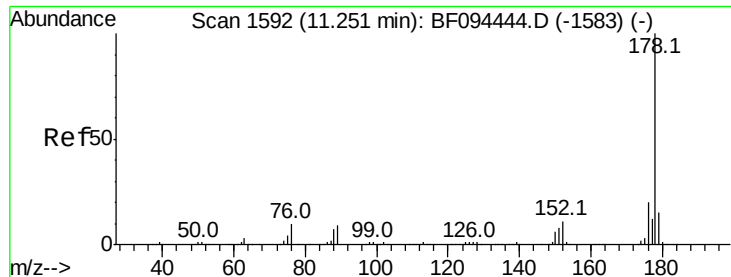


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.31 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

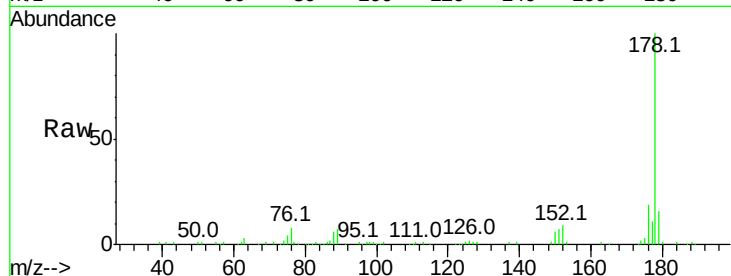
Tot Ion:178 Resp: 110612

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

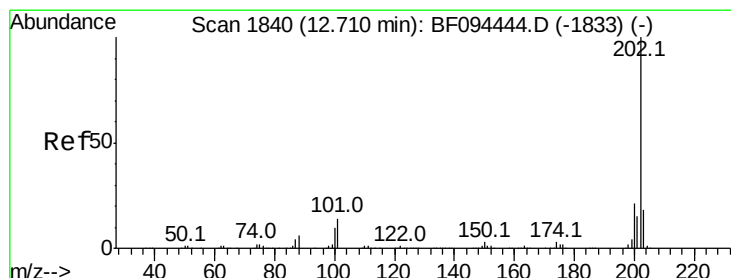
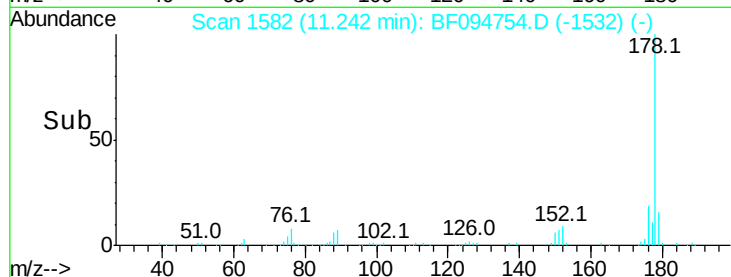
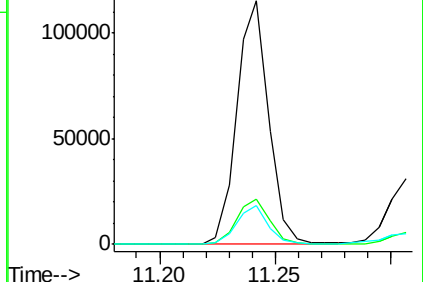
179 15.7 12.6 19.0



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



#74

Fluoranthene

Concen: 9.26 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

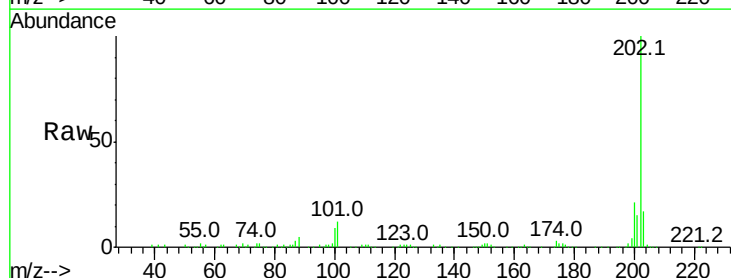
Tgt Ion:202 Resp: 145207

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

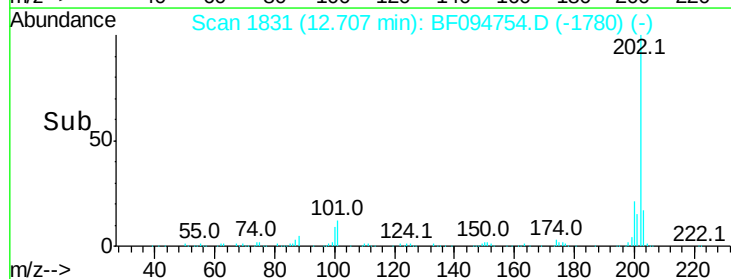
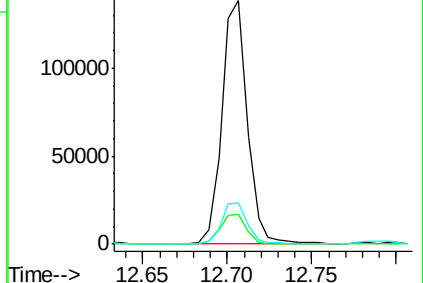
203 16.8 0.0 38.1

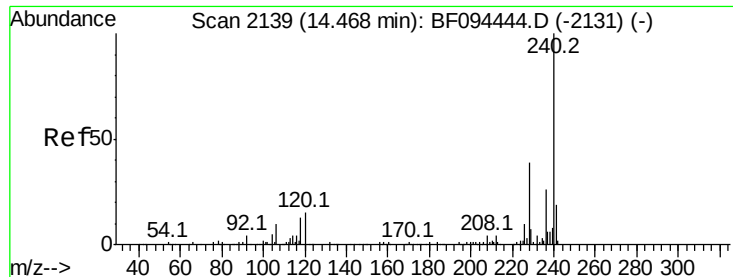


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampled :

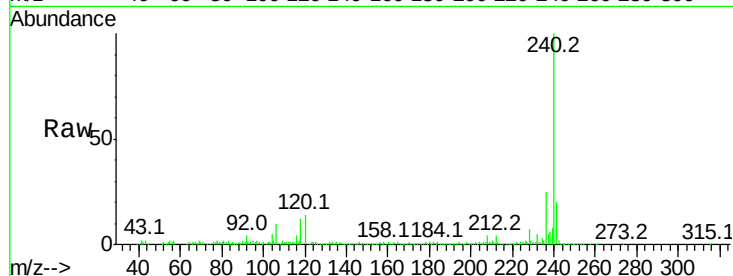
Tot Ion:240 Resp: 207634

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

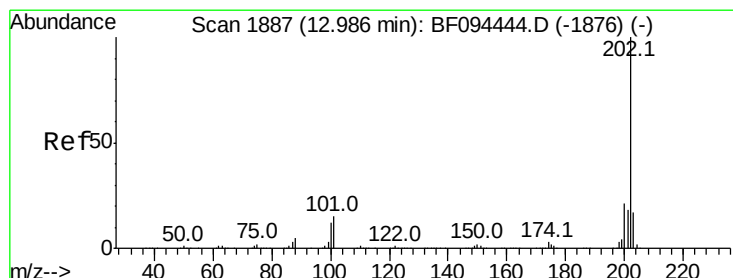
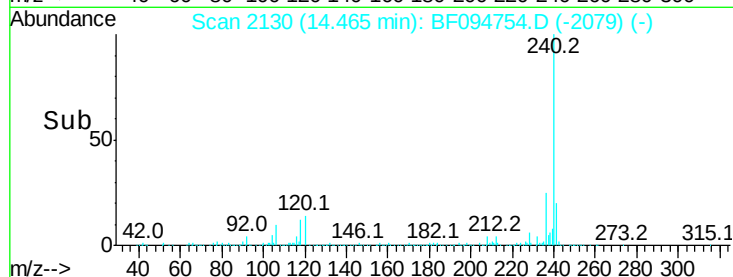
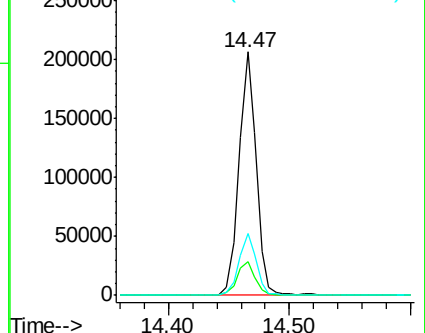
236 25.4 20.5 30.7



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: 8.78 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

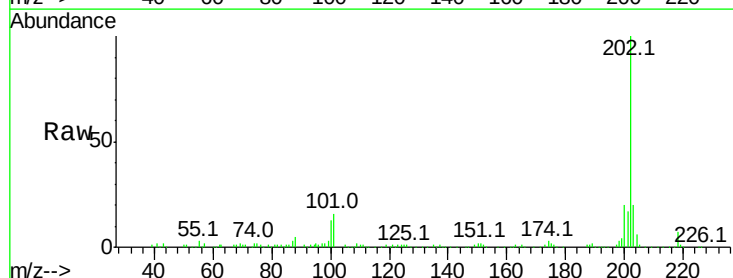
Tgt Ion:202 Resp: 127358

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

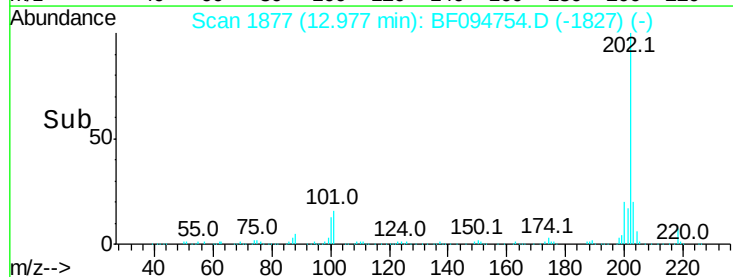
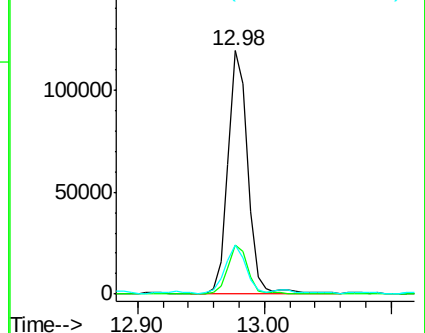
203 19.9 14.4 21.6

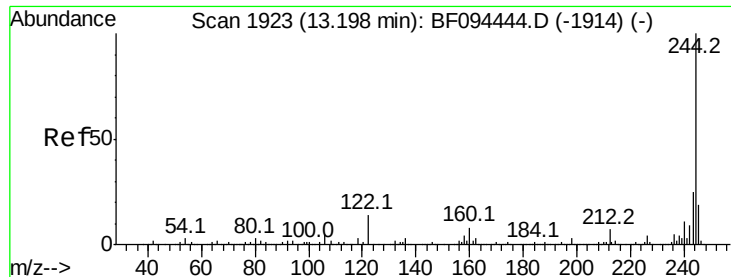


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.29 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

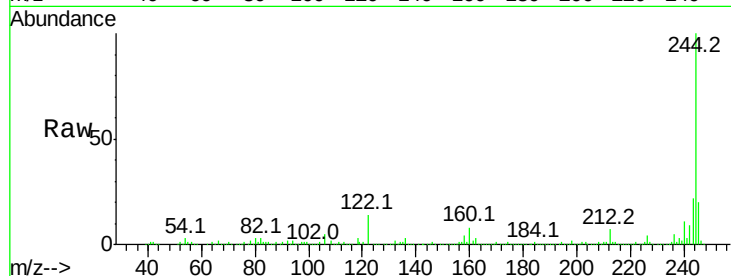
Tot Ion:244 Resp: 553767

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

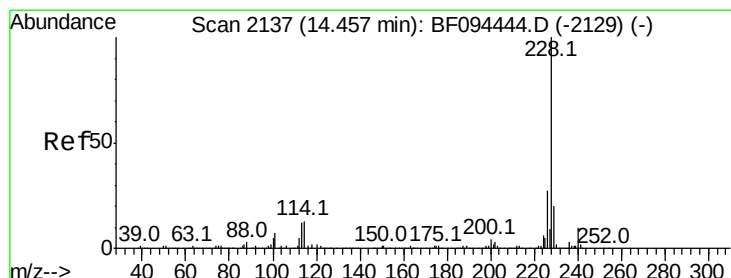
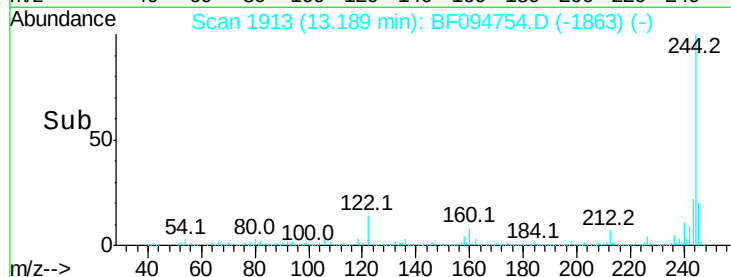
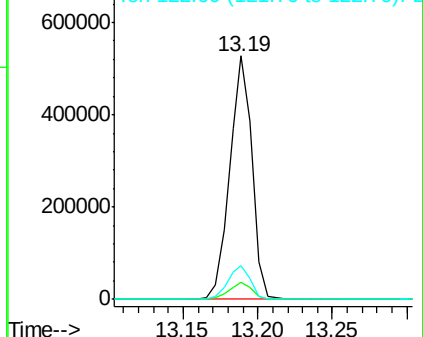
122 13.9 10.3 15.5



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: 4.84 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

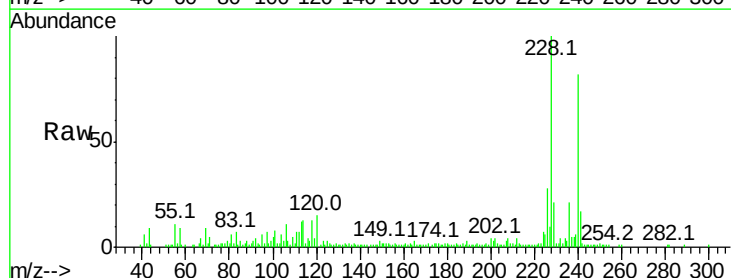
Tgt Ion:228 Resp: 58456

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

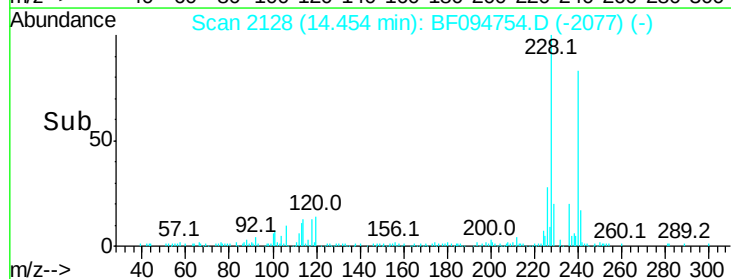
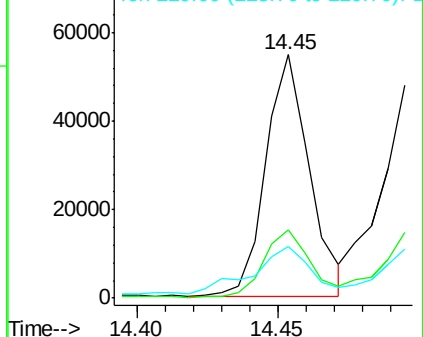
229 21.1 16.3 24.5

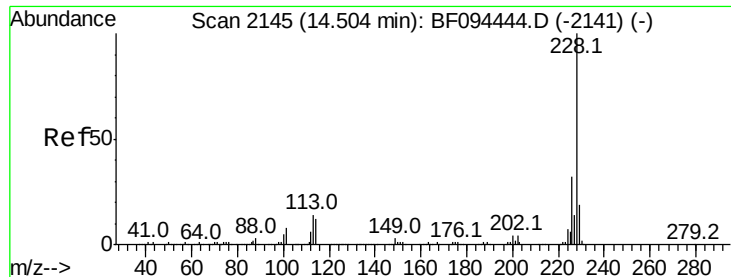


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.08 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

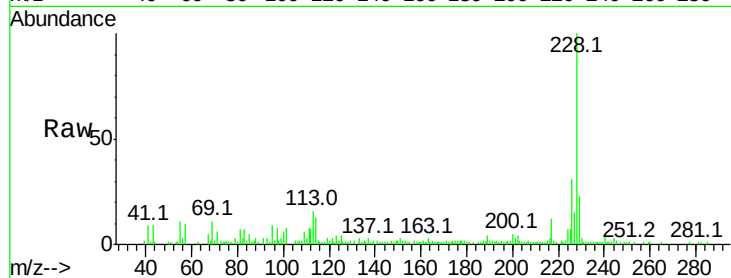
Tot Ion:228 Resp: 56049

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

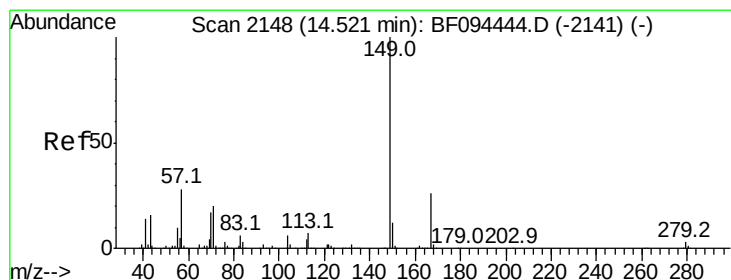
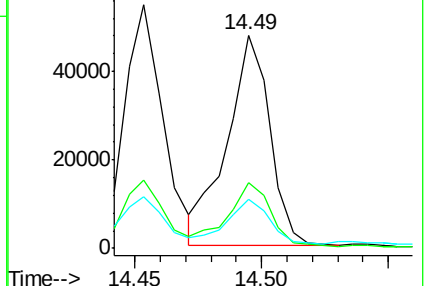
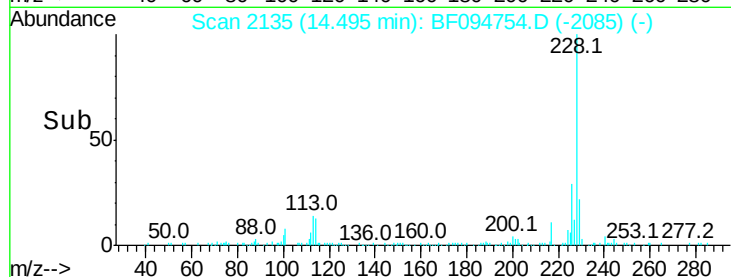
229 22.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.44 ng

RT: 14.51 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

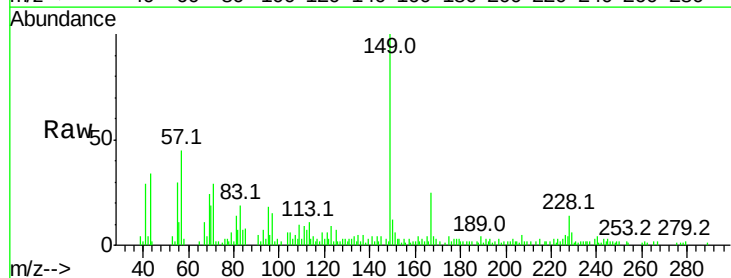
Tgt Ion:149 Resp: 29340

Ion Ratio Lower Upper

149 100

167 25.2 21.0 31.4

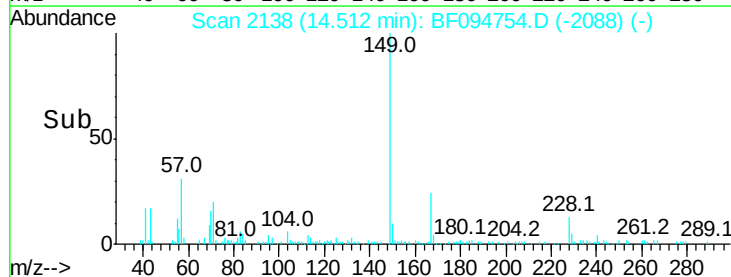
279 2.2 1.9 2.9



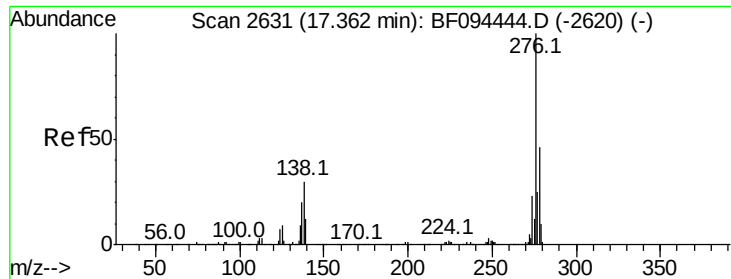
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.25 ng

RT: 17.39 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

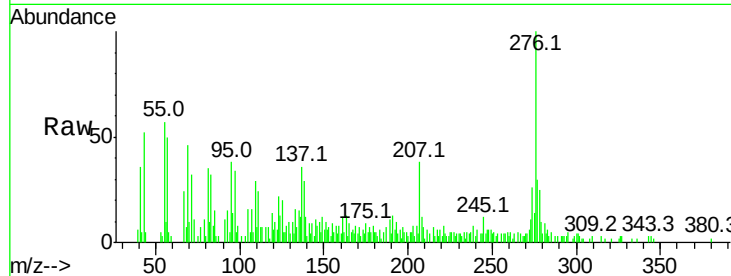
Tot Ion:276 Resp: 23561

Ion Ratio Lower Upper

276 100

138 29.4 27.8 41.6

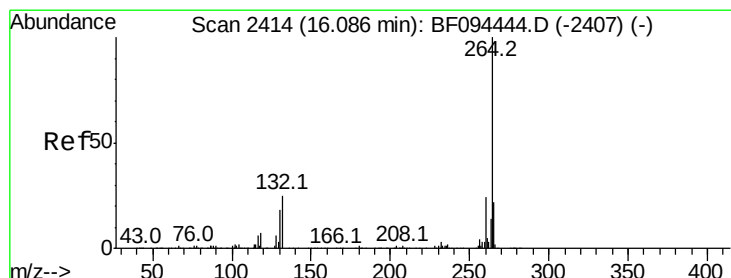
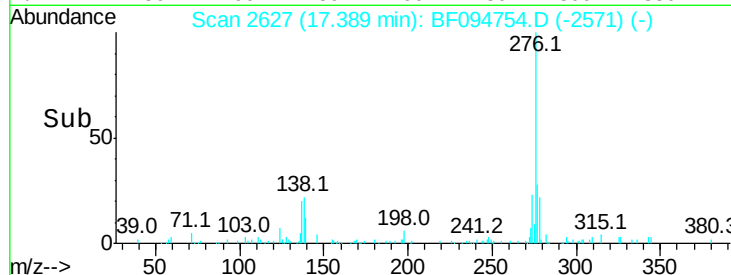
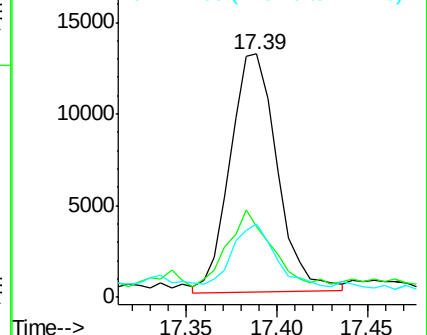
277 23.5 20.2 30.4



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: 16.09 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

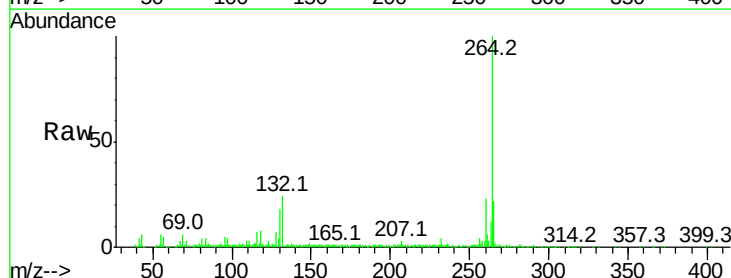
Tgt Ion:264 Resp: 170907

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

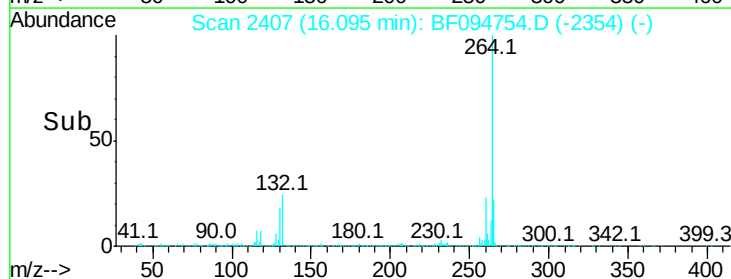
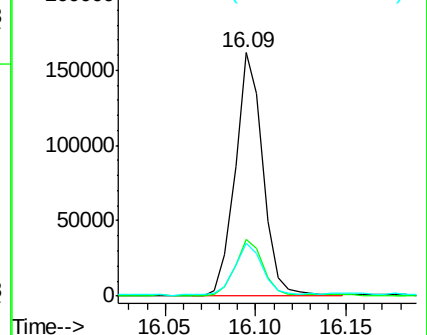
265 21.9 17.2 25.8

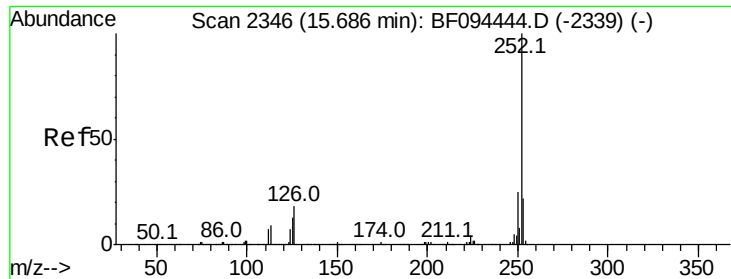


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

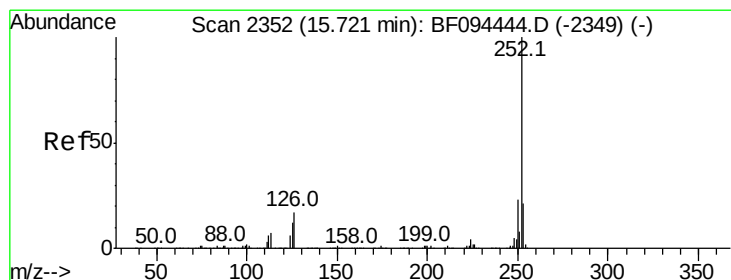
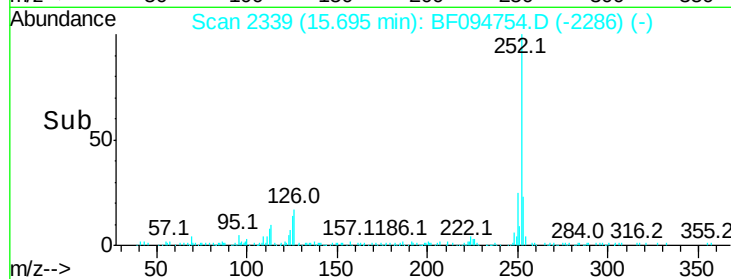
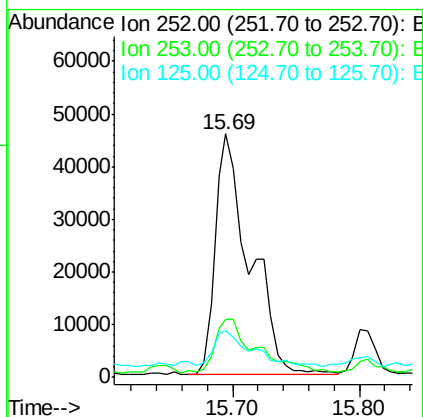
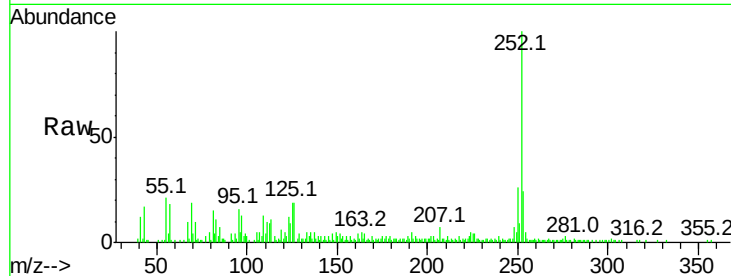




#87
Benzo(b)fluoranthene
Concen: 8.32 ng
RT: 15.69 min Scan# 2339
Delta R.T. 0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

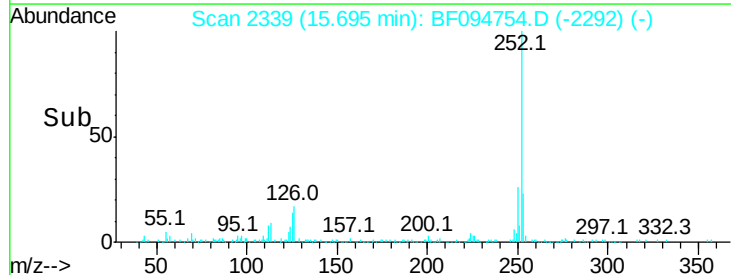
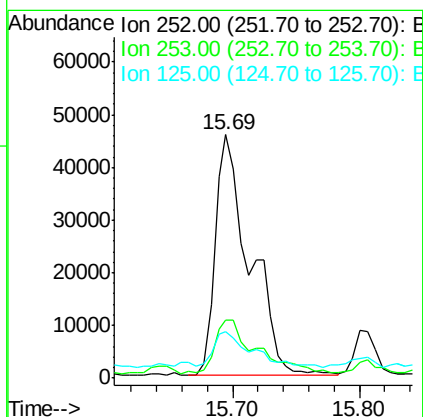
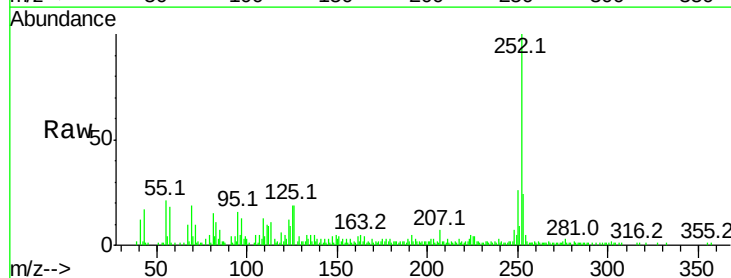
Instrument :
BNA_F
ClientSampleId :

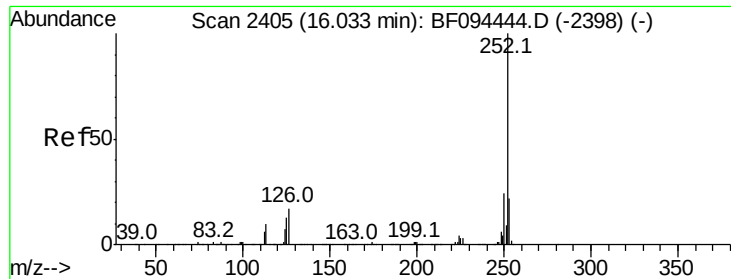
Tot Ion:252 Resp: 87016
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 19.2 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 8.79 ng
RT: 15.69 min Scan# 2339
Delta R.T. -0.03 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:252 Resp: 87016
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 19.2 13.1 19.7

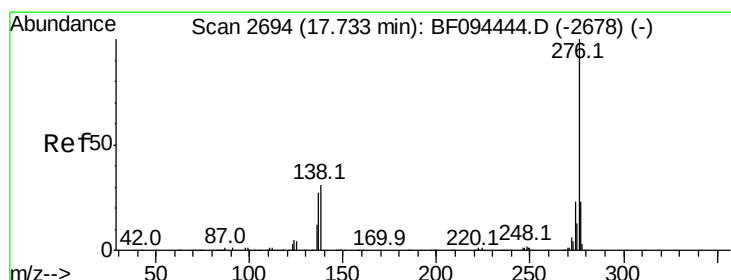
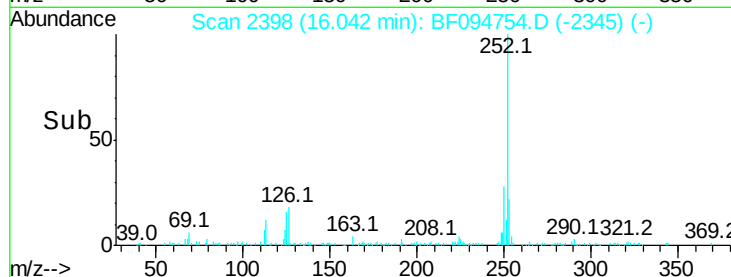
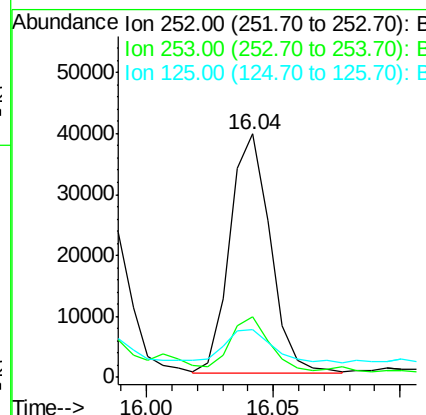
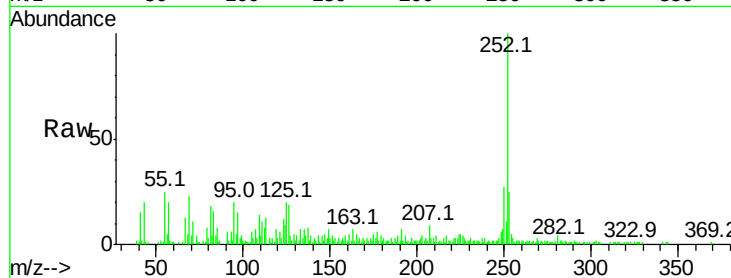




#89
Benzo(a)pyrene
Concen: 4.50 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43730
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 19.9 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.84 ng
RT: 17.77 min Scan# 2691
Delta R.T. 0.03 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:276 Resp: 23373
Ion Ratio Lower Upper
276 100
277 28.5 18.6 28.0#
138 30.4 25.4 38.0

