

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094658.D
 Acq On : 26 Apr 2017 20:23
 Operator : SJ/MA
 Sample : I2824-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:25:40 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

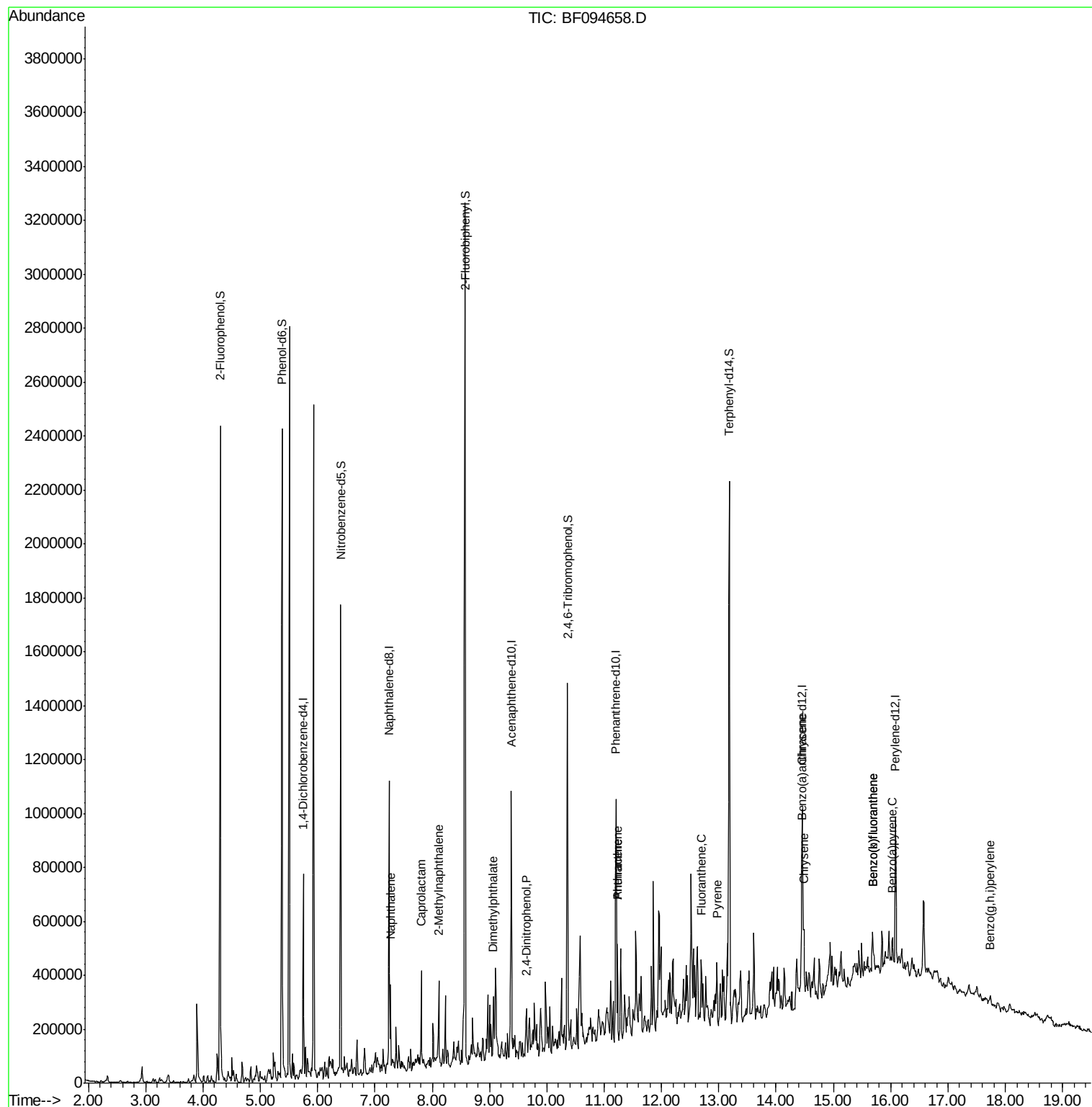
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	124072	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	499653	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	202276	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	356038	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	264056	20.00	ng	-0.01
86) Perylene-d12	16.09	264	228986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	781041	104.44	ng	0.00
7) Phenol-d6	5.38	99	1025665	116.34	ng	-0.01
23) Nitrobenzene-d5	6.40	82	655602	81.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	164055	103.69	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1130202	82.21	ng	-0.01
78) Terphenyl-d14	13.18	244	716727	72.55	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.27	128	105122	4.38	ng	98
35) Caprolactam	7.81	113	7763	3.57	ng	# 82
37) 2-Methylnaphthalene	8.11	142	91064	5.54	ng	97
49) Dimethylphthalate	9.07	163	94977	6.30	ng	99
53) 2,4-Dinitrophenol	9.63	184	123	5.82	ng	# 1
70) Phenanthrene	11.23	178	130192	6.49	ng	98
71) Anthracene	11.23	178	130192	6.28	ng	98
74) Fluoranthene	12.69	202	82285	3.96	ng	97
77) Pyrene	12.97	202	83140	4.51	ng	98
80) Benzo(a)anthracene	14.44	228	54721	3.57	ng	# 75
82) Chrysene	14.48	228	105573	7.53	ng	# 86
87) Benzo(b)fluoranthene	15.68	252	89079	6.36	ng	# 93
88) Benzo(k)fluoranthene	15.68	252	89079	6.72	ng	97
89) Benzo(a)pyrene	16.02	252	36653	2.81	ng	# 82
91) Benzo(a,h,i)perylene	17.74	276	24988	2.27	ng	92

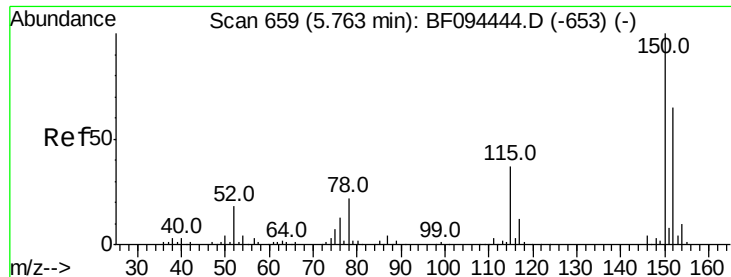
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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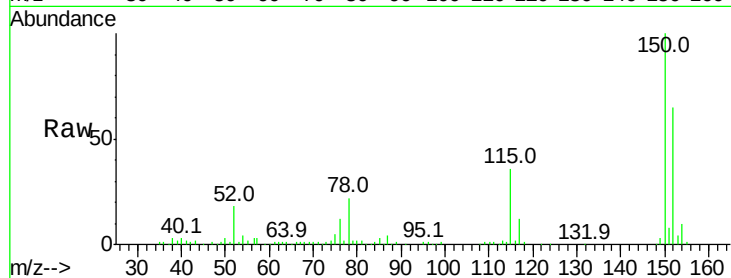


#1

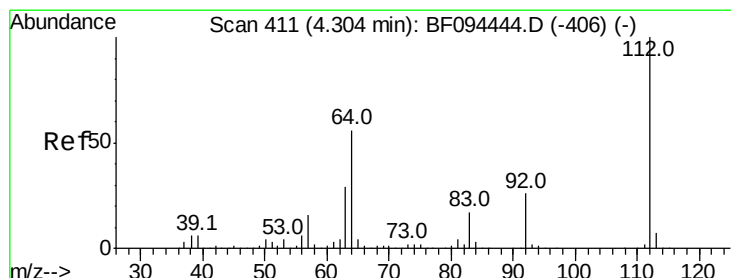
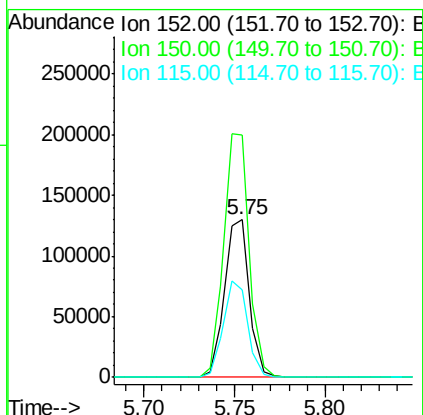
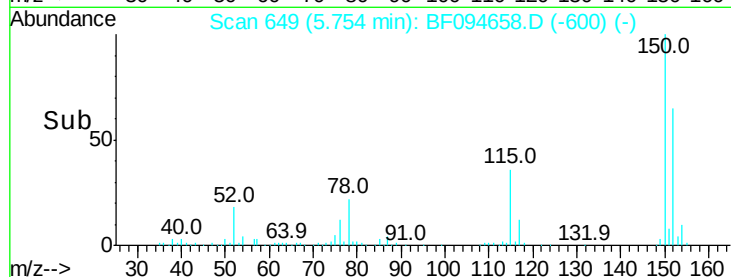
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124072
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 55.7 52.2 78.2



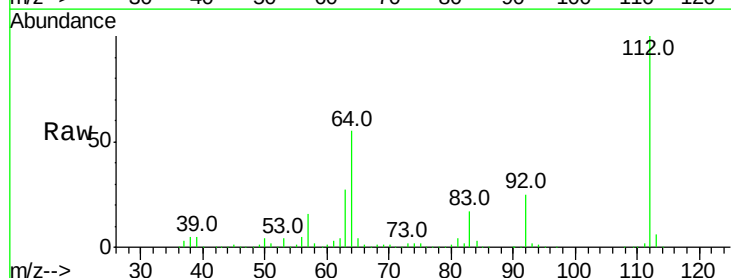
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



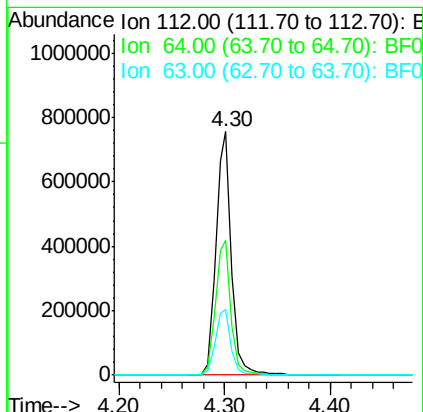
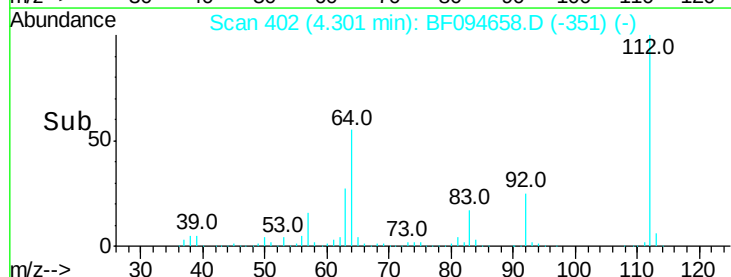
#5

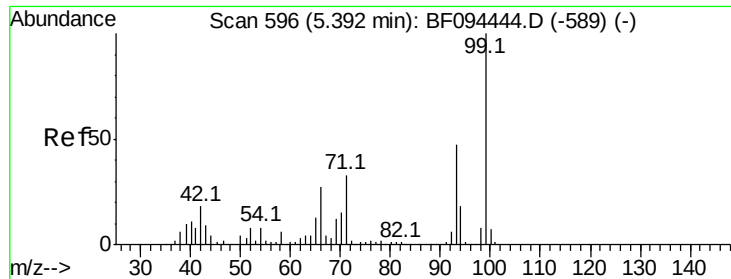
2-Fluorophenol
Concen: 104.44 ng
RT: 4.30 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

Tgt Ion:112 Resp: 781041
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 27.2 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: 116.34 ng

RT: 5.38 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampleId :

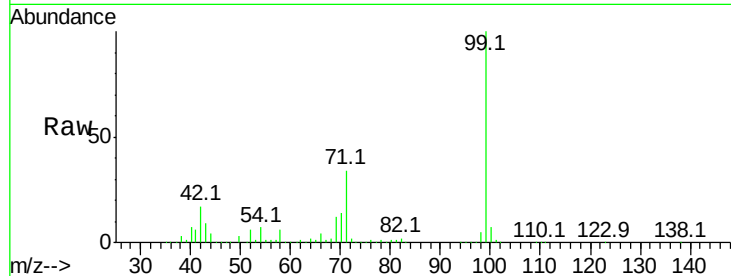
Tot Ion: 99 Resp: 1025665

Ion Ratio Lower Upper

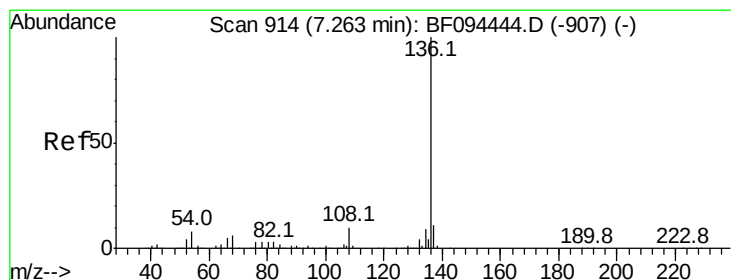
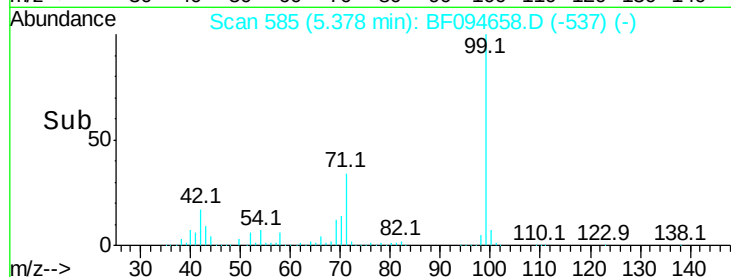
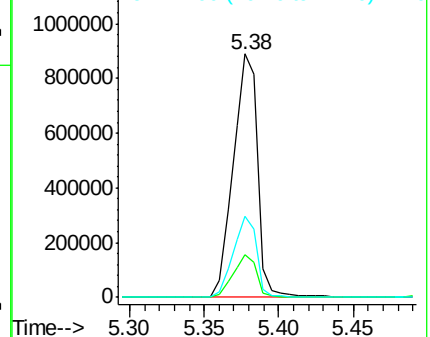
99 100

42 17.5 13.5 20.3

71 33.5 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Tgt Ion: 136 Resp: 499653

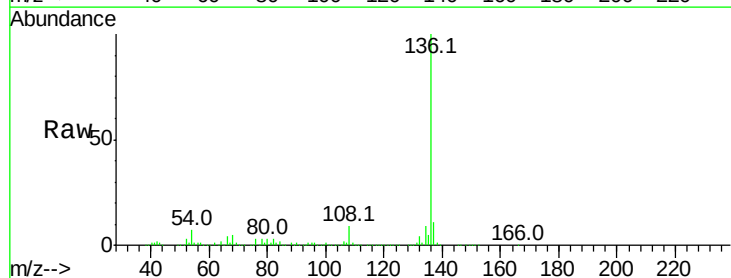
Ion Ratio Lower Upper

136 100

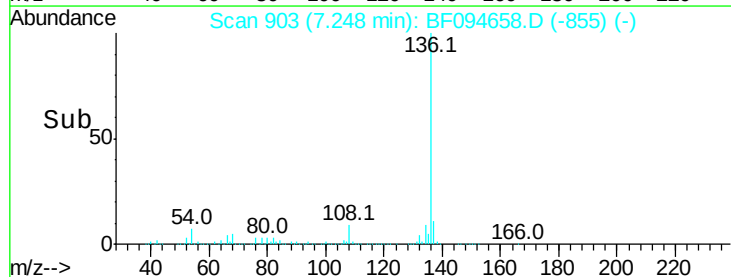
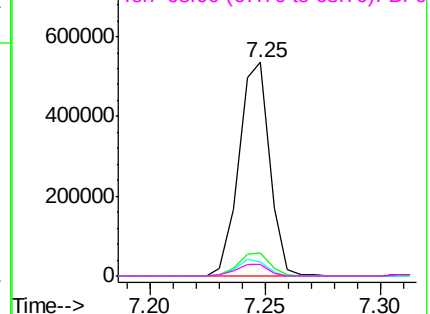
137 10.7 8.5 12.7

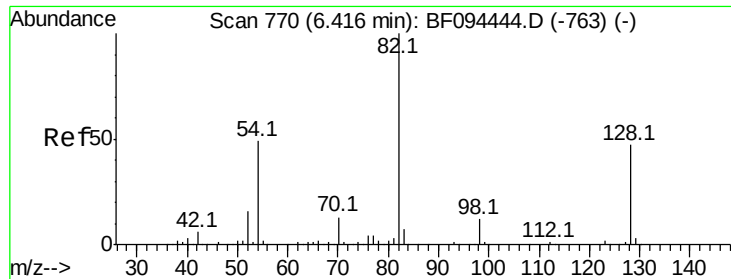
54 6.8 4.9 7.3

68 5.3 4.1 6.1



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

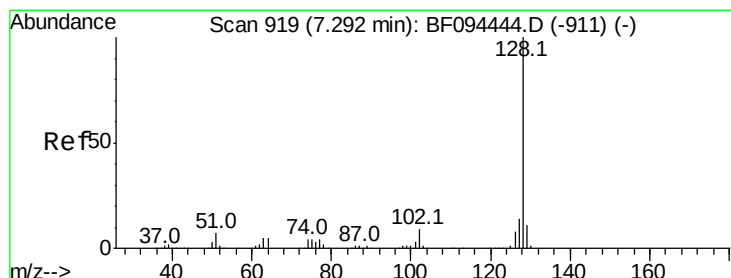
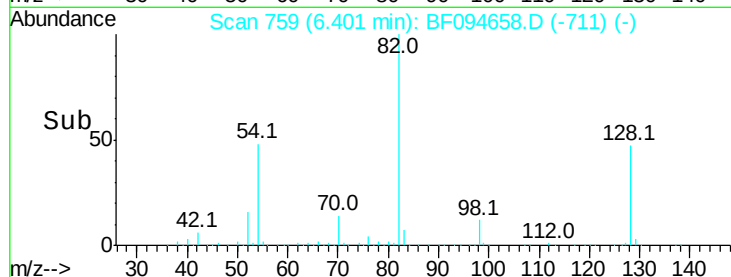
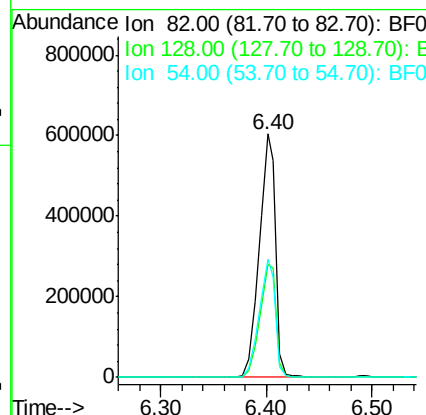
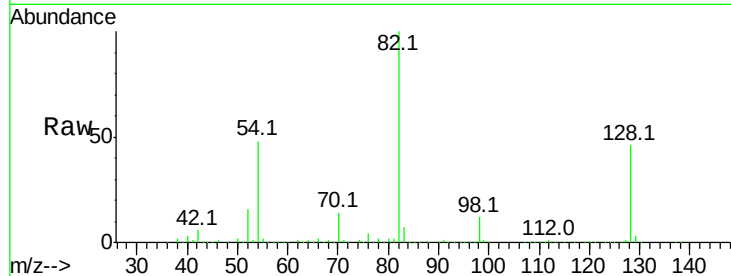




#23
 Nitrobenzene-d5
 Concen: 81.02 ng
 RT: 6.40 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: BF094658.D
 Acq: 26 Apr 2017 20:23

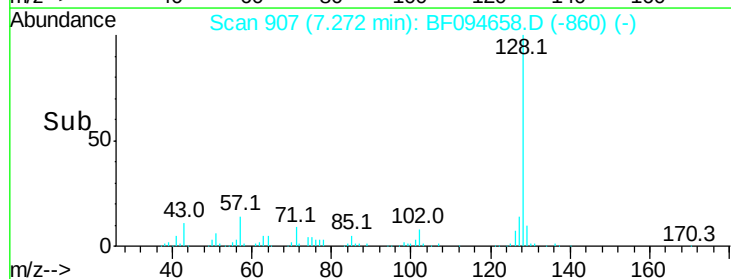
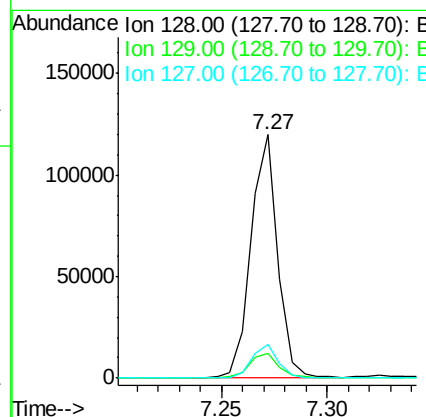
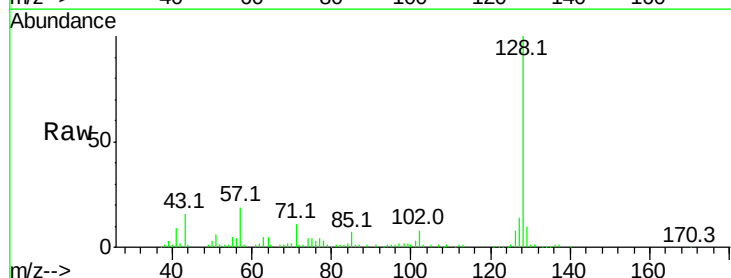
Instrument :
 BNA_F
 ClientSampled :

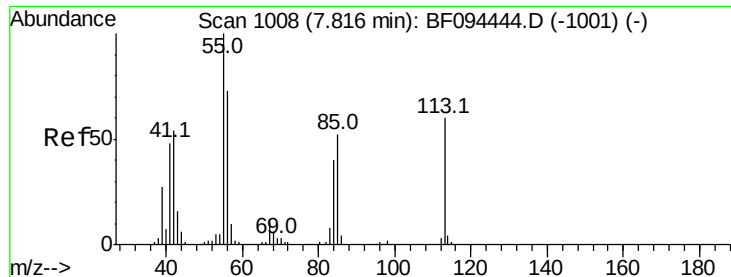
Tot Ion	82	Resp	655602
Ion Ratio	Lower	Upper	
82	100		
128	46.5	34.0	51.0
54	48.4	42.2	63.2



#31
 Naphthalene
 Concen: 4.38 ng
 RT: 7.27 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF094658.D
 Acq: 26 Apr 2017 20:23

Tgt Ion	128	Resp	105122
Ion Ratio	Lower	Upper	
128	100		
129	9.9	9.0	13.6
127	13.9	10.8	16.2





#35

Caprolactam

Concen: 3.57 ng

RT: 7.81 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampleId :

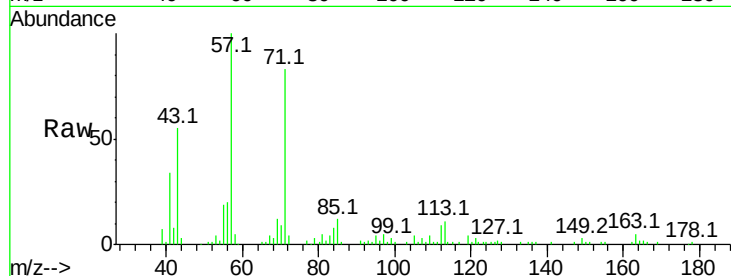
Tot Ion:113 Resp: 7763

Ion Ratio Lower Upper

113 100

55 169.0 150.2 190.2

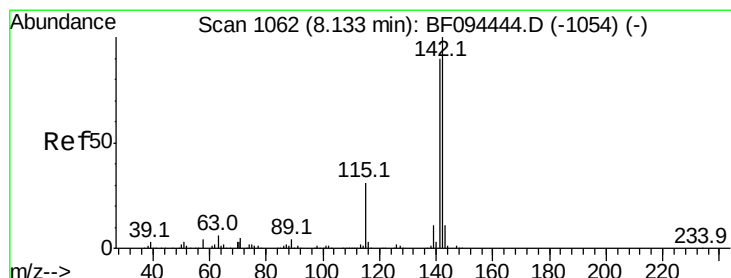
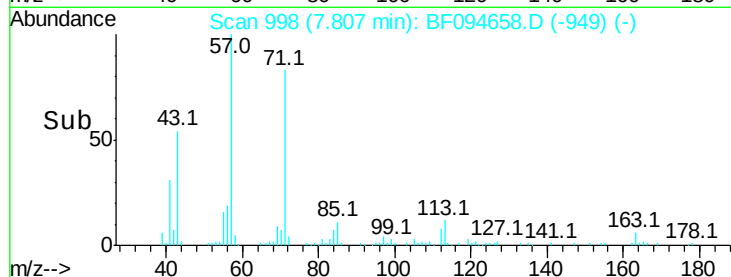
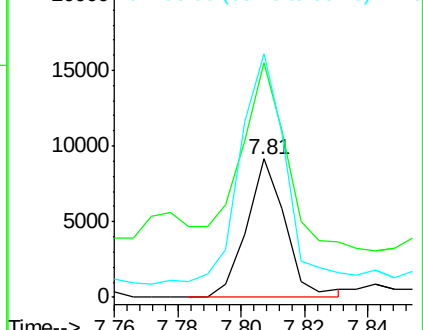
56 175.9 107.8 147.8#



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: 5.54 ng

RT: 8.11 min Scan# 1050

Delta R.T. -0.02 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

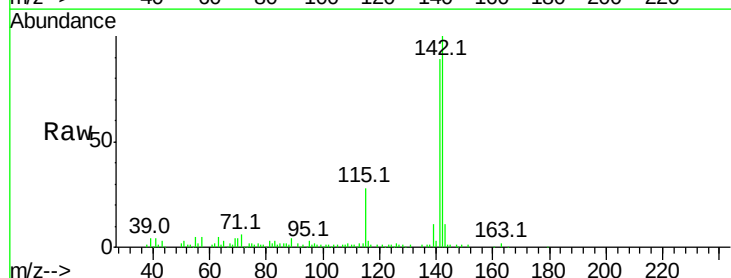
Tgt Ion:142 Resp: 91064

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

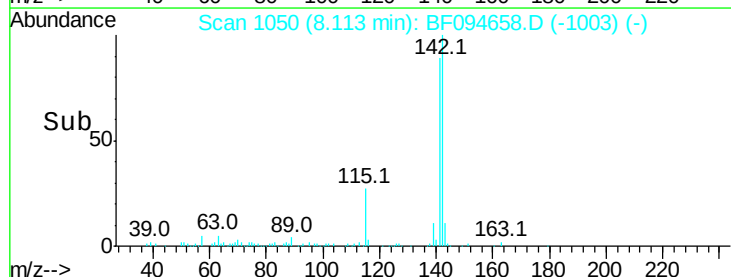
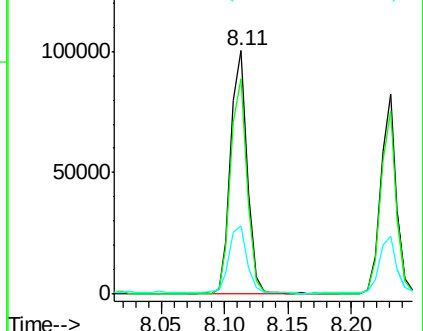
115 27.9 27.1 40.7

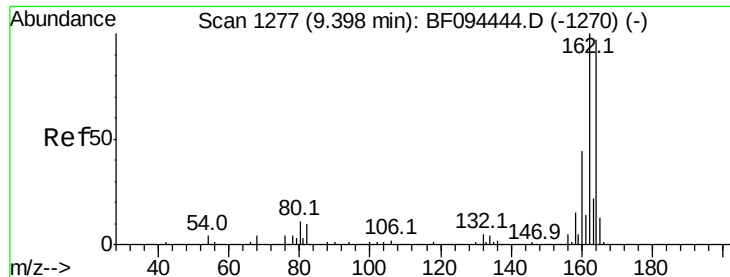


Abundance Ion 142.00 (141.70 to 142.70): E

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# 1265

Delta R.T. -0.02 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampled :

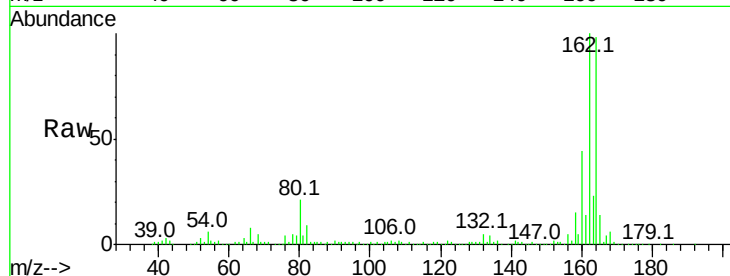
Tot Ion:164 Resp: 202276

Ion Ratio Lower Upper

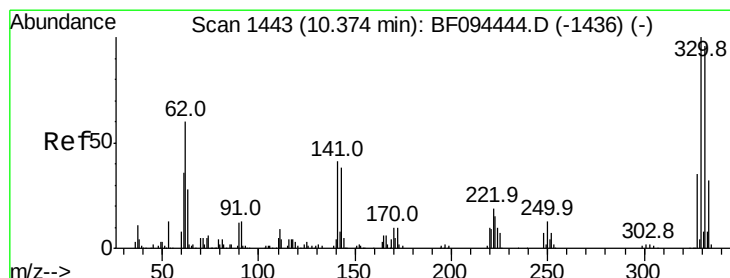
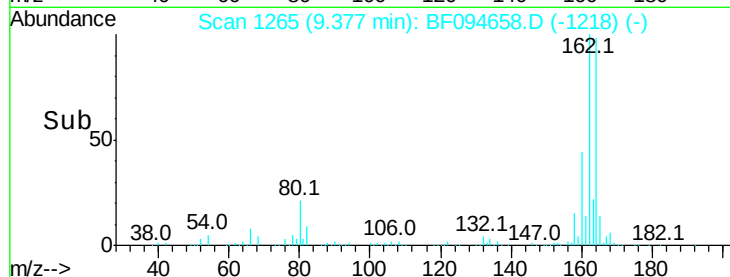
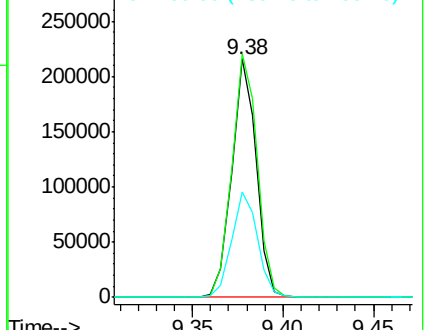
164 100

162 102.2 82.6 123.8

160 44.5 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: 103.69 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

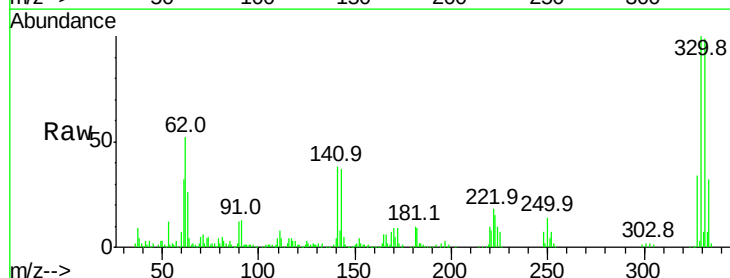
Tgt Ion:330 Resp: 164055

Ion Ratio Lower Upper

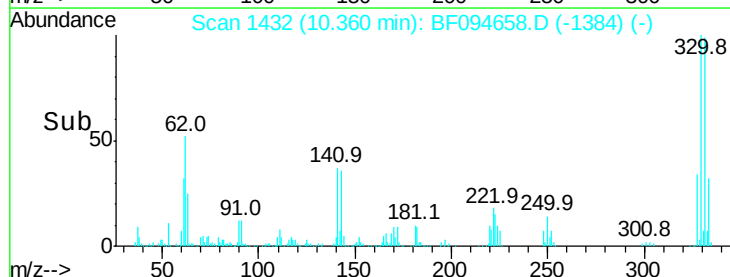
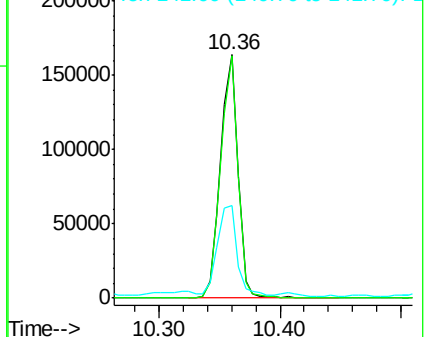
330 100

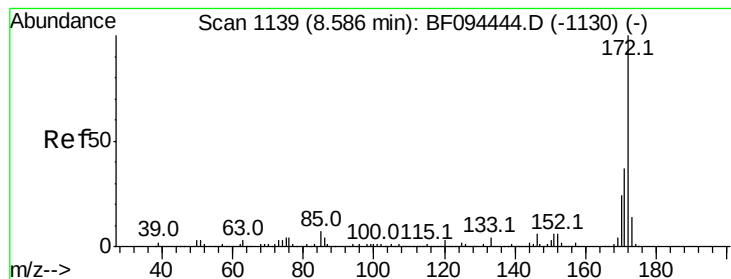
332 97.6 76.6 115.0

141 41.8 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

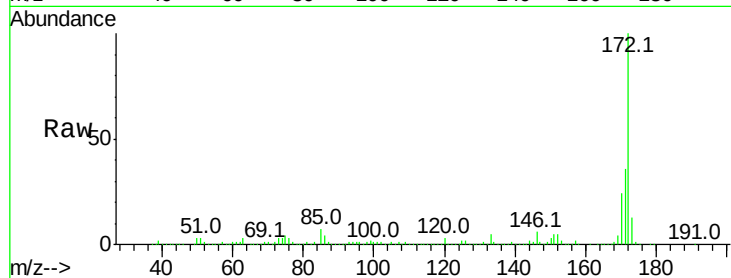




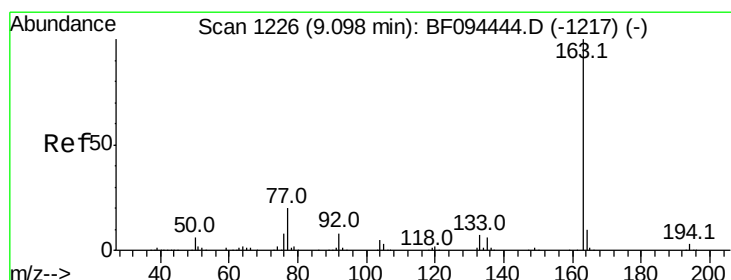
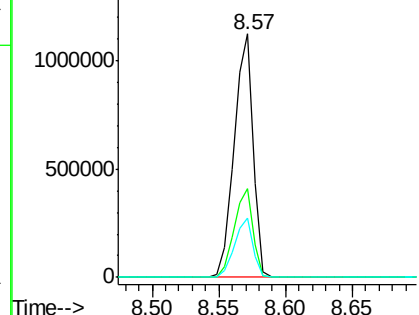
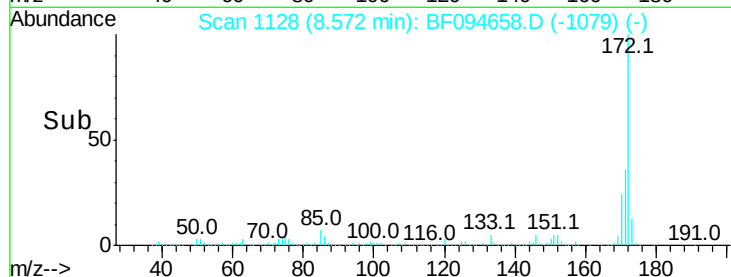
#44
2-Fluorobiphenyl
Concen: 82.21 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1130202
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.2 19.8 29.8

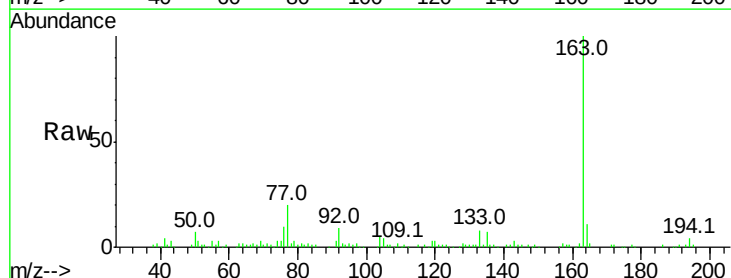


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

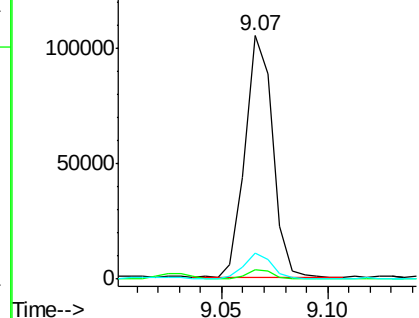
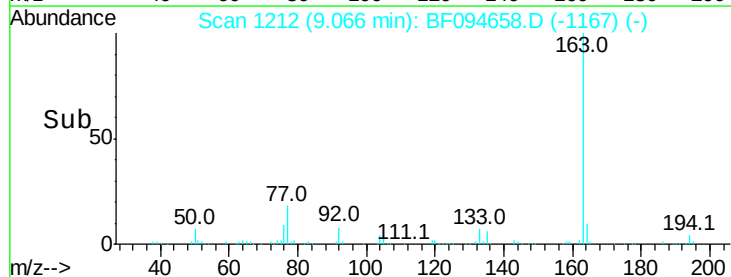


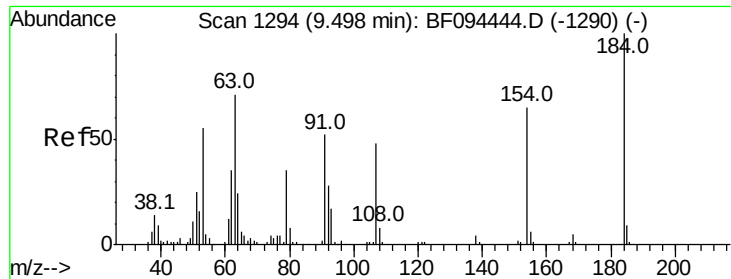
#49
Dimethylphthalate
Concen: 6.30 ng
RT: 9.07 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

Tgt Ion:163 Resp: 94977
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.6 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

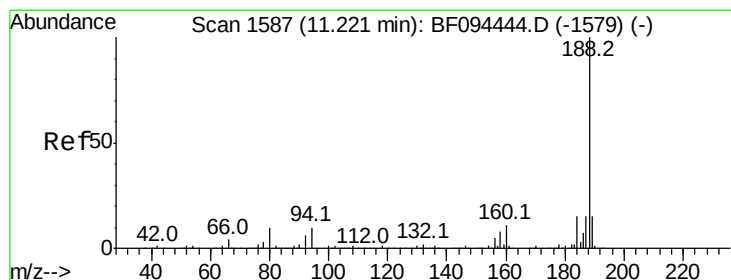
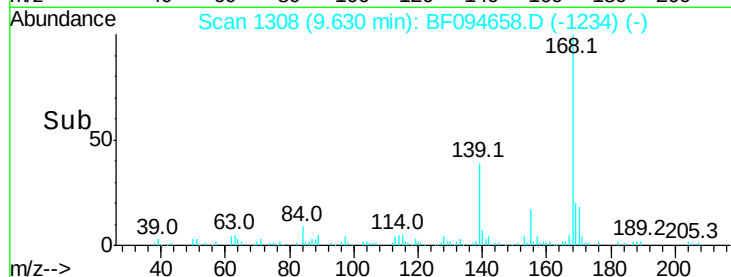
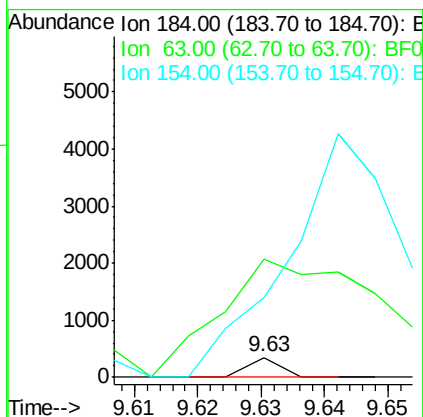
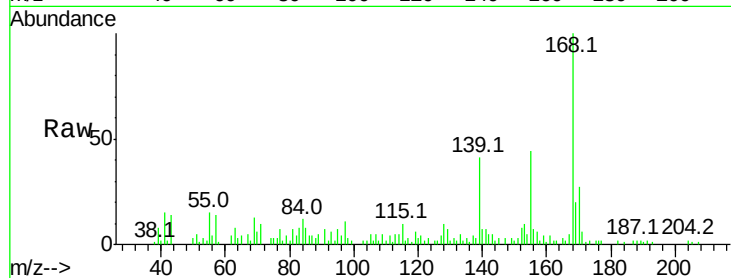




#53
 2,4-Dinitrophenol
 Concen: 5.82 ng
 RT: 9.63 min Scan# 1308
 Delta R.T. 0.13 min
 Lab File: BF094658.D
 Acq: 26 Apr 2017 20:23

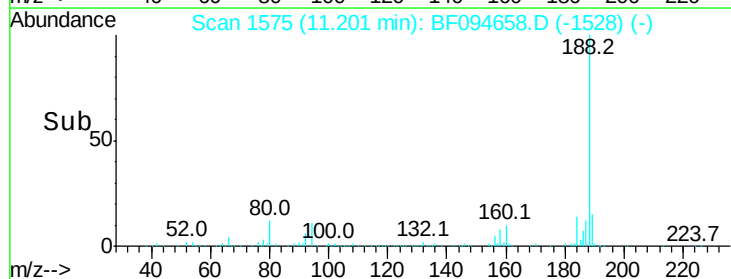
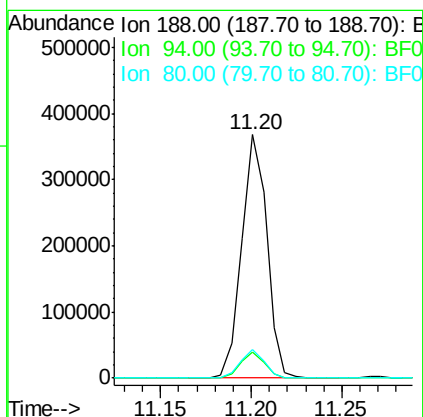
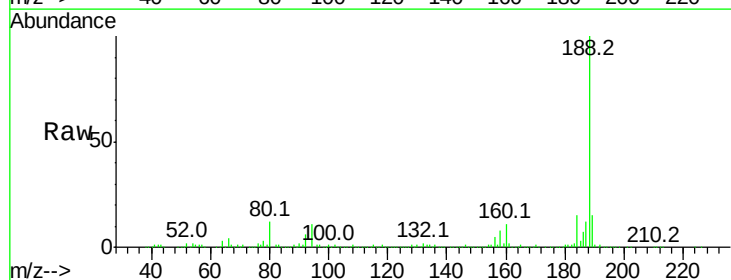
Instrument :
 BNA_F
 ClientSampled :

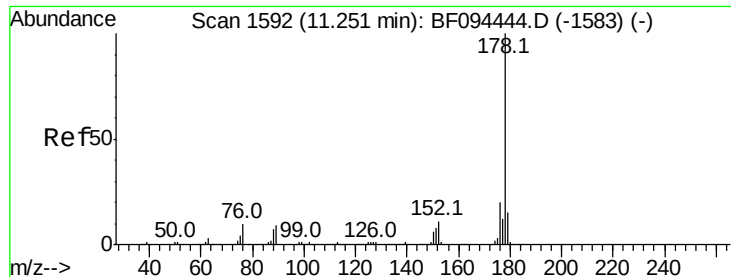
Tot Ion:184 Resp: 123
 Ion Ratio Lower Upper
 184 100
 63 596.3 62.7 94.1#
 154 399.4 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094658.D
 Acq: 26 Apr 2017 20:23

Tgt Ion:188 Resp: 356038
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.7 10.2 15.2





#70

Phenanthrene

Concen: 6.49 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampled :

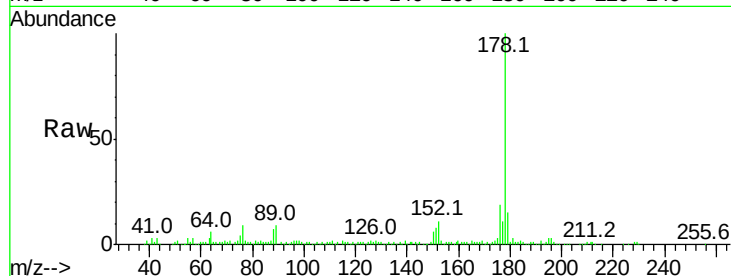
Tot Ion:178 Resp: 130192

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

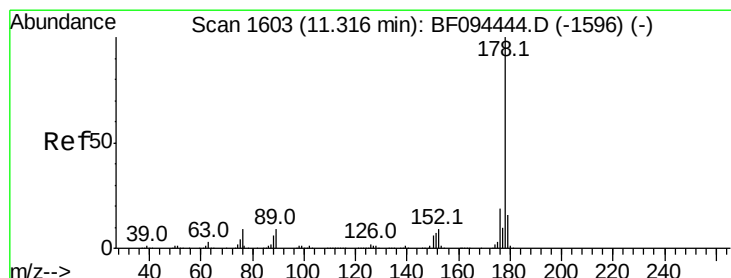
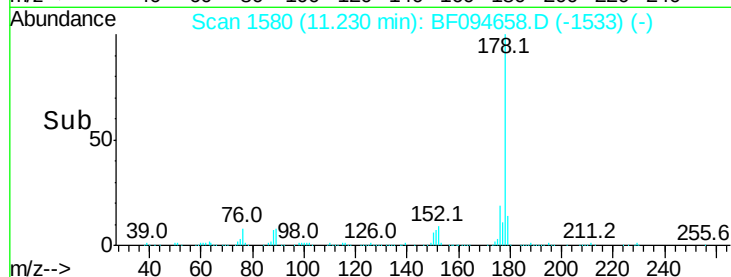
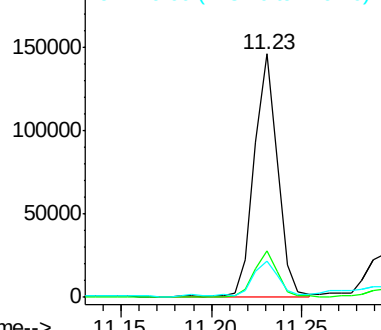
179 14.7 12.6 19.0



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



#71

Anthracene

Concen: 6.28 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.09 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

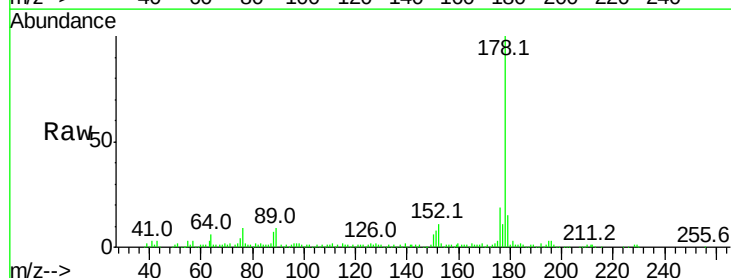
Tgt Ion:178 Resp: 130192

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

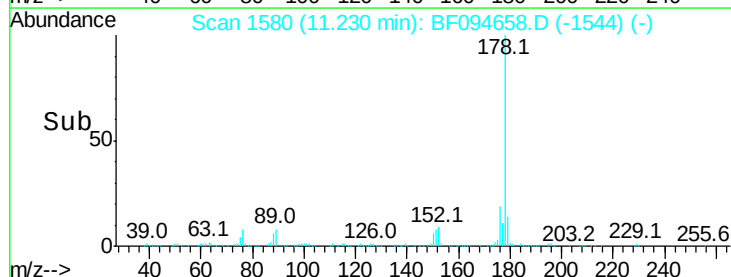
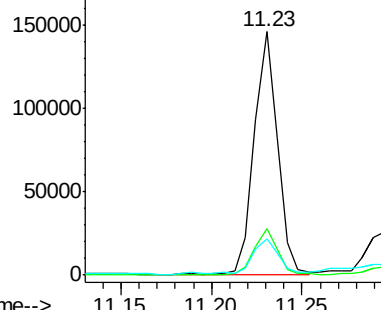
179 14.7 12.7 19.1

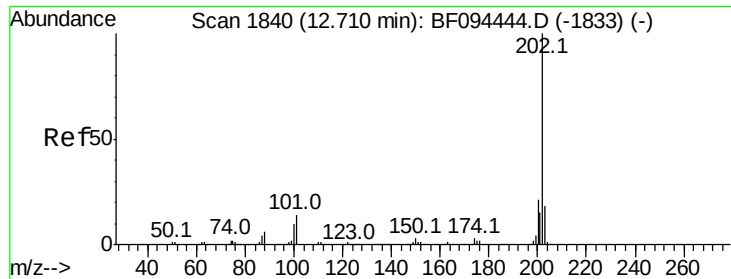


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.96 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampleId :

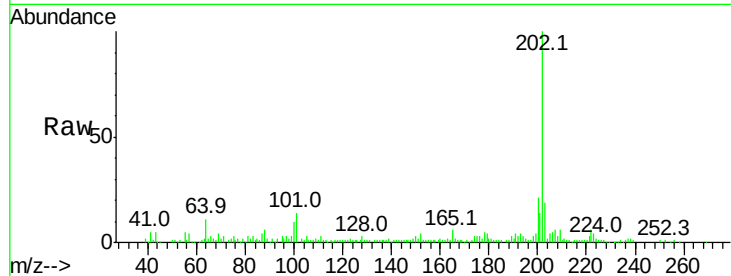
Tot Ion:202 Resp: 82285

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

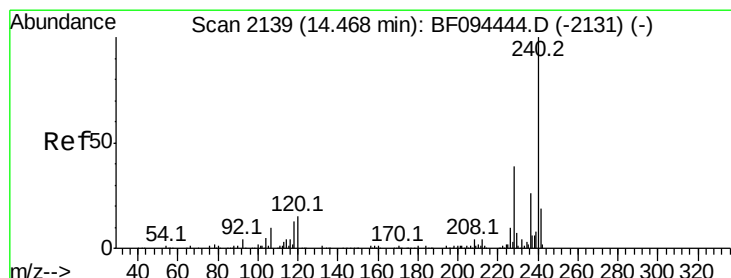
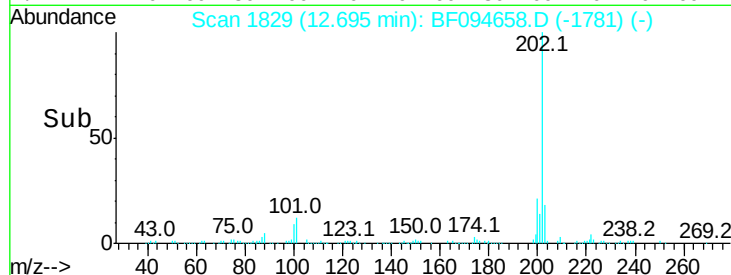
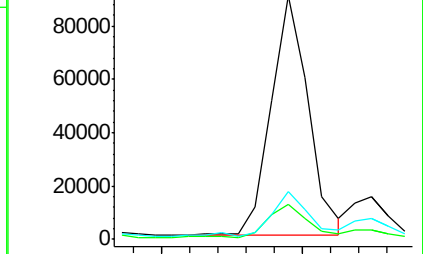
203 19.4 0.0 38.1



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: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

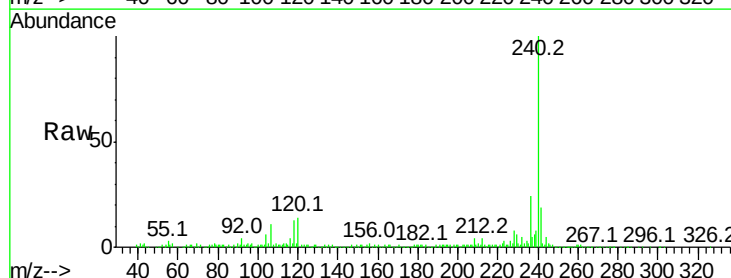
Tgt Ion:240 Resp: 264056

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

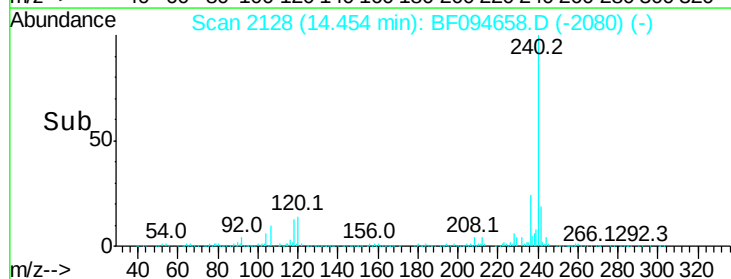
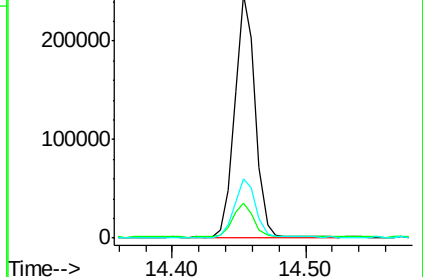
236 24.3 20.5 30.7

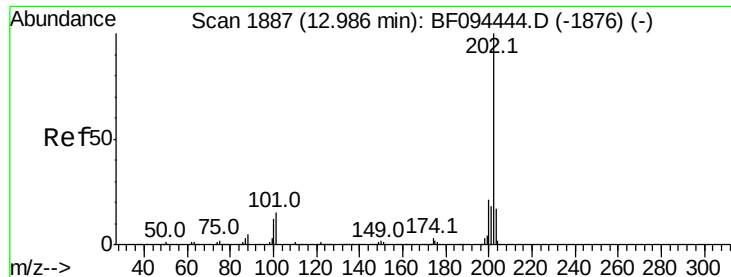


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.51 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampleId :

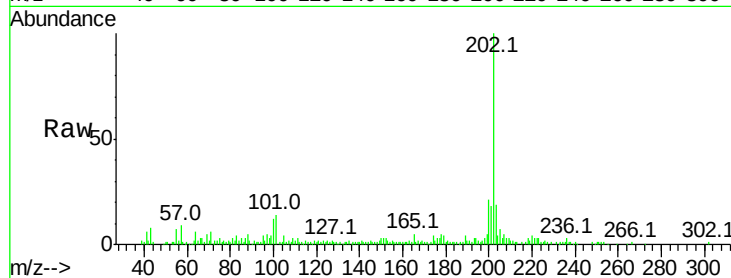
Tot Ion:202 Resp: 83140

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

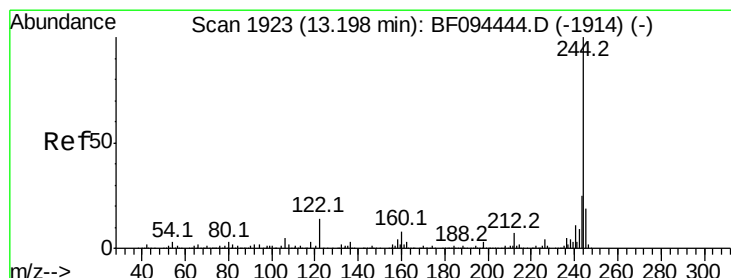
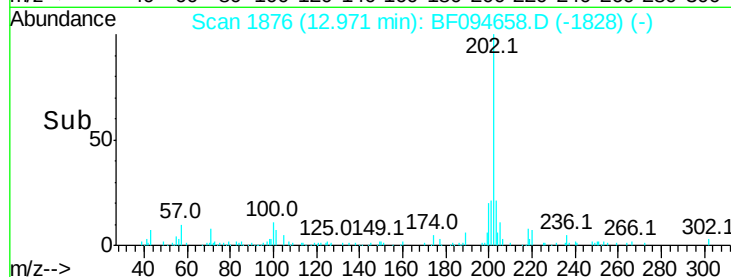
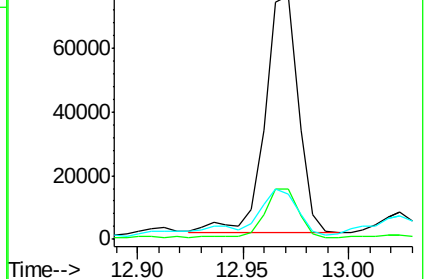
203 18.8 14.4 21.6



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: 72.55 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

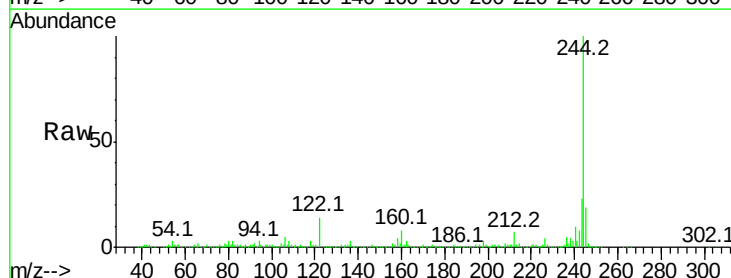
Tgt Ion:244 Resp: 716727

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

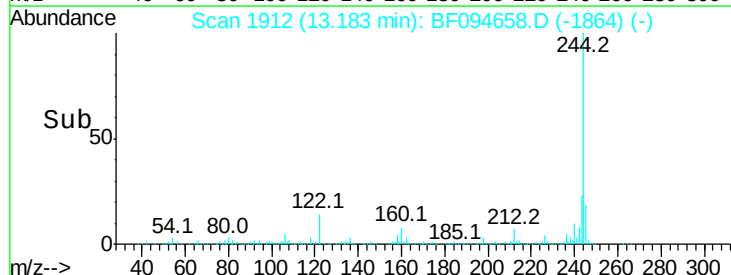
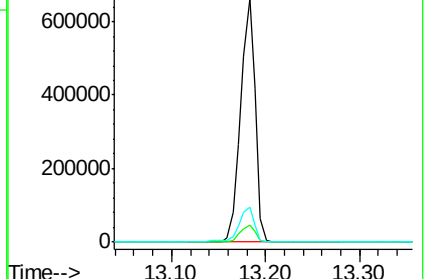
122 14.2 10.3 15.5

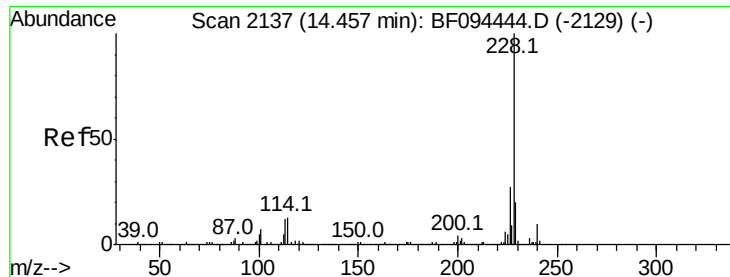


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.57 ng

RT: 14.44 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampled :

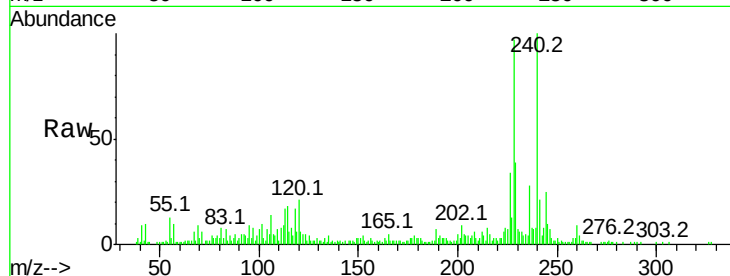
Tot Ion:228 Resp: 54721

Ion Ratio Lower Upper

228 100

226 34.7 22.6 33.8#

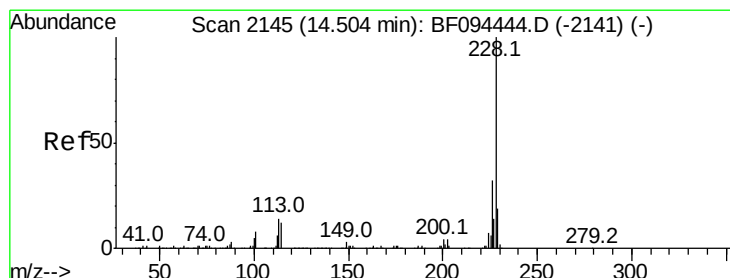
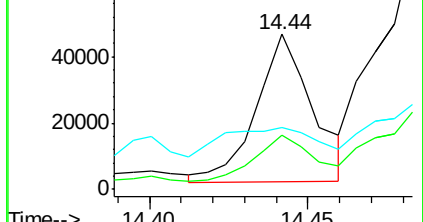
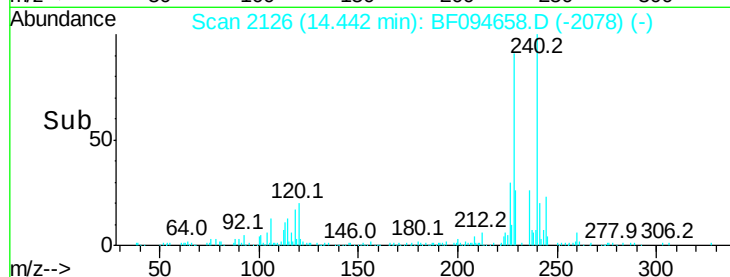
229 39.9 16.3 24.5#



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: 7.53 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

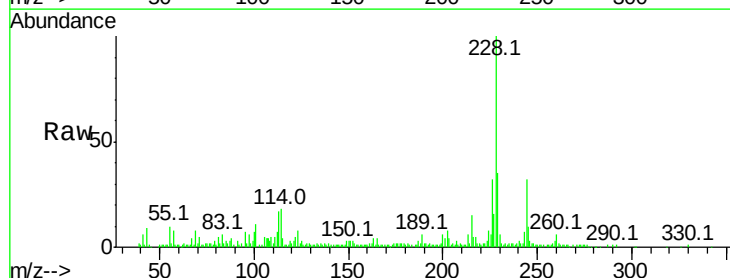
Tgt Ion:228 Resp: 105573

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

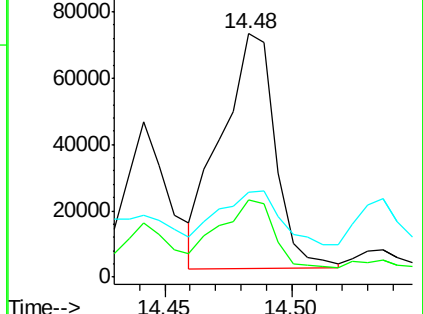
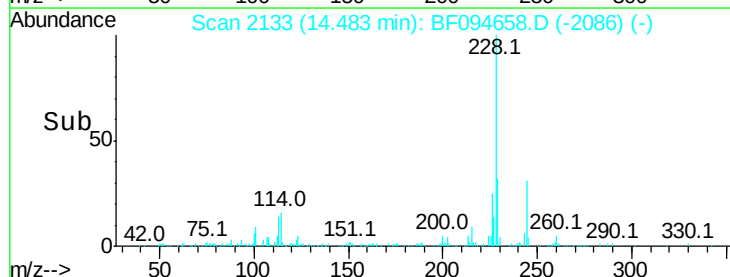
229 35.0 15.8 23.6#

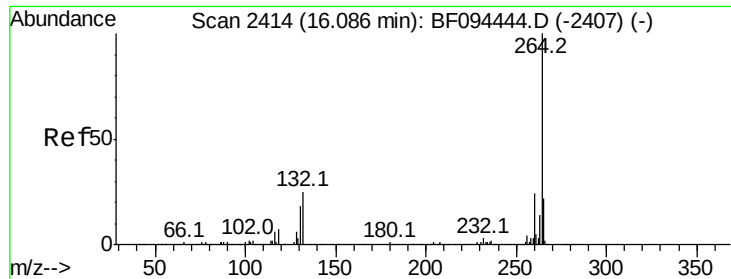


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

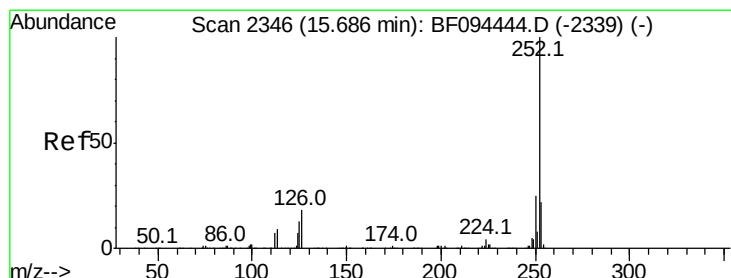
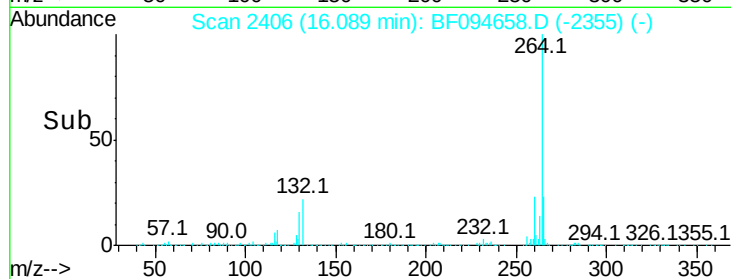
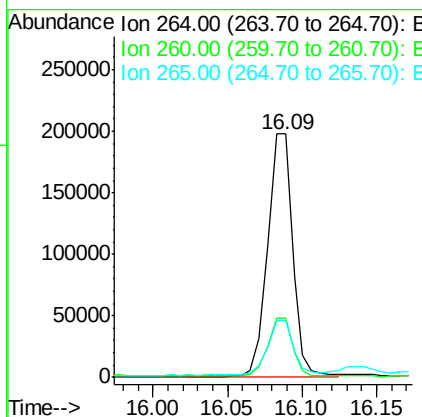
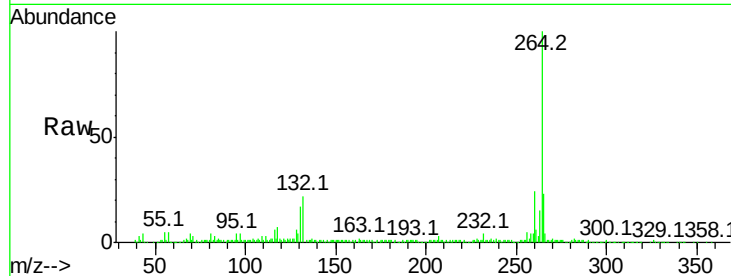




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

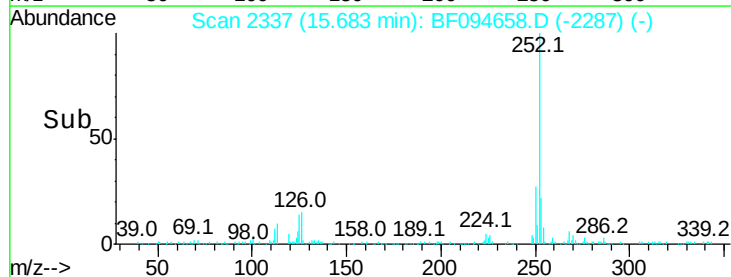
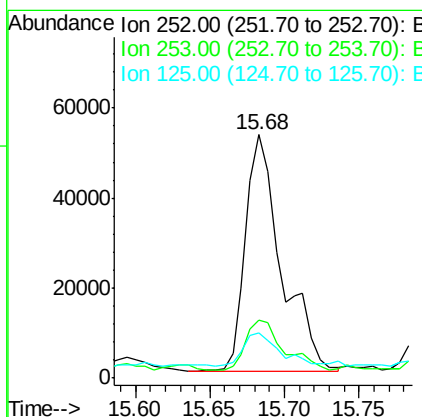
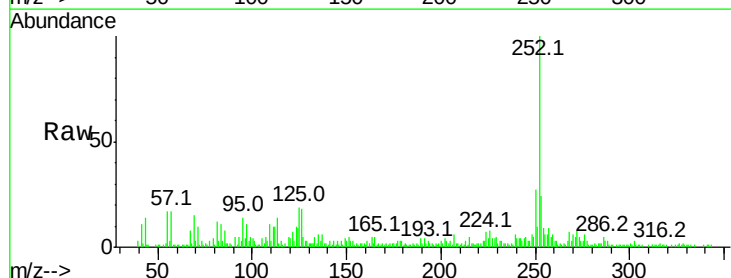
Instrument :
BNA_F
ClientSampleId :

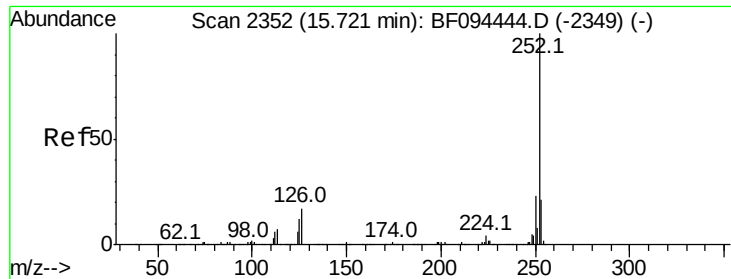
Tot Ion:264 Resp: 228986
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 23.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.36 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

Tgt Ion:252 Resp: 89079
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 18.6 9.8 14.8#

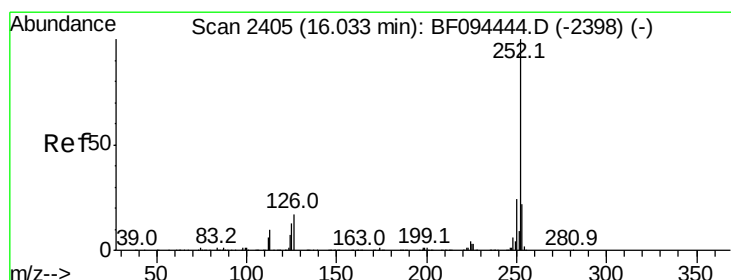
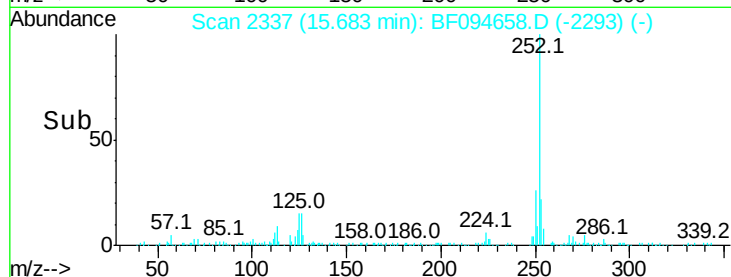
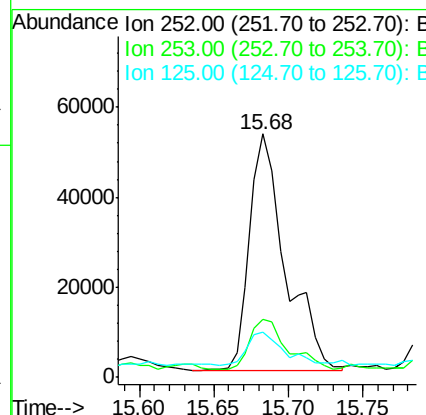
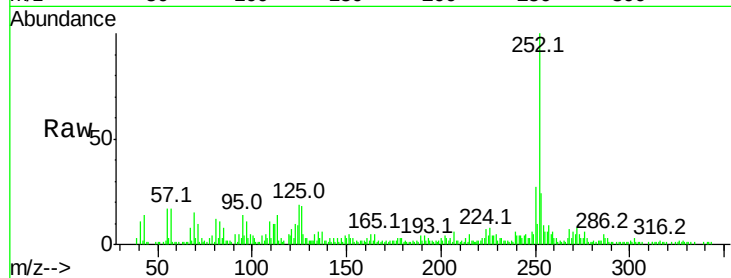




#88
Benzo(k)fluoranthene
Concen: 6.72 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

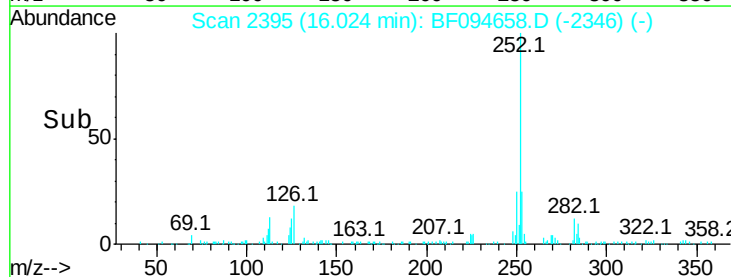
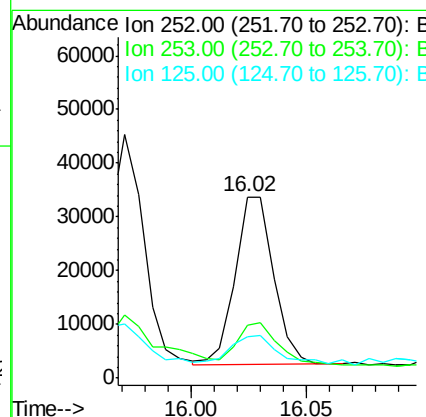
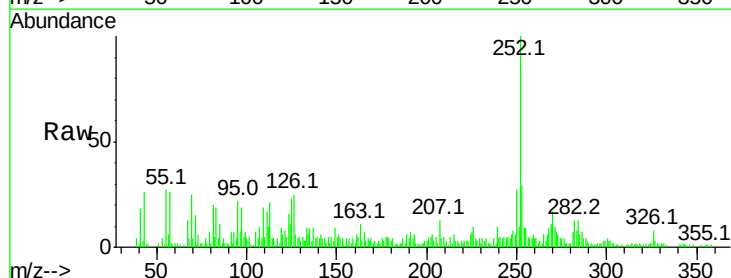
Instrument :
BNA_F
ClientSampleId :

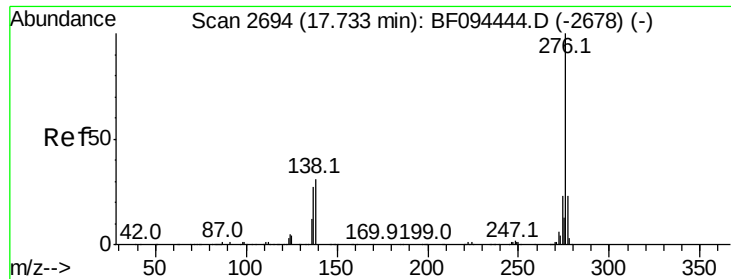
Tot Ion:252 Resp: 89079
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 18.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.81 ng
RT: 16.02 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BF094658.D
Acq: 26 Apr 2017 20:23

Tgt Ion:252 Resp: 36653
Ion Ratio Lower Upper
252 100
253 29.2 17.5 26.3#
125 22.9 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.27 ng

RT: 17.74 min Scan# 2686

Delta R.T. 0.00 min

Lab File: BF094658.D

Acq: 26 Apr 2017 20:23

Instrument :

BNA_F

ClientSampleId :

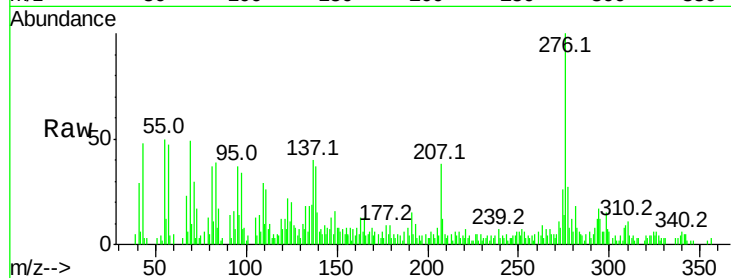
Tot Ion:276 Resp: 24988

Ion Ratio Lower Upper

276 100

277 27.1 18.6 28.0

138 36.6 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

