

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092158.D
 Acq On : 10 Jan 2017 00:37
 Operator : UM/SJ
 Sample : I1045-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP1

Quant Time: Jan 10 03:34:05 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	137769	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	479792	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	235212	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	389211	20.00	ng	0.00
75) Chrysene-d12	13.80	240	254134	20.00	ng	0.01
86) Perylene-d12	15.18	264	180003	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	410430	49.74	ng	0.01
7) Phenol-d6	6.31	99	532338	52.84	ng	0.00
23) Nitrobenzene-d5	7.20	82	250880	29.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	63143	32.44	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	498342	35.97	ng	0.00
78) Terphenyl-d14	12.75	244	388102	37.04	ng	0.00

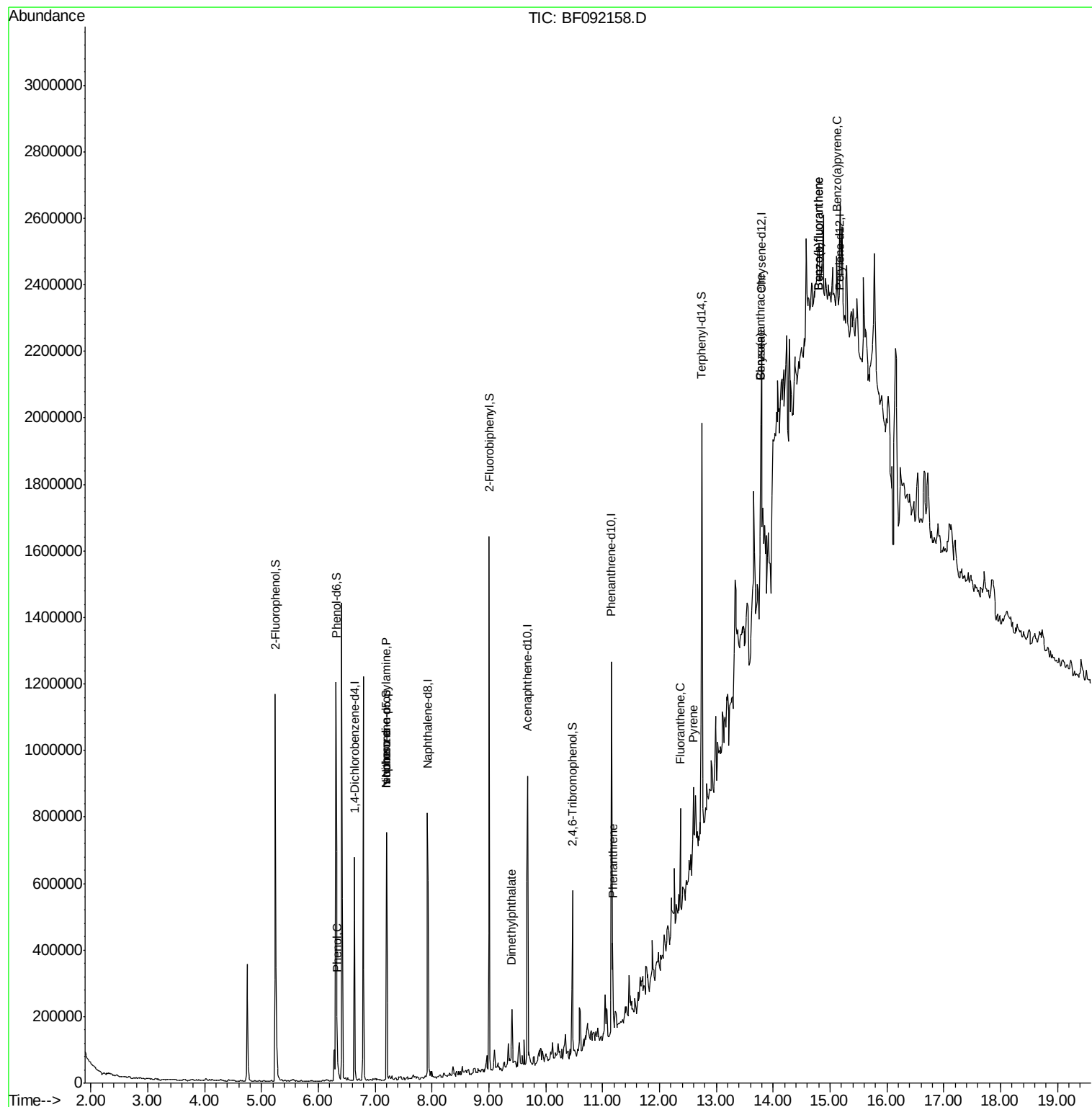
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.18	77	368	Below Cal	#	56
10) Phenol	6.33	94	28226	2.46	ng	79
19) n-Nitroso-di-n-propylamine	7.20	70	34641	5.17	ng	77
25) Isophorone	7.20	82	242653	15.24	ng	65
37) 2-Methylnaphthalene	8.64	142	5037	Below Cal		94
49) Dimethylphthalate	9.41	163	70126	4.66	ng	99
70) Phenanthrene	11.18	178	90305	4.28	ng	98
73) Di-n-butylphthalate	11.73	149	2468	Below Cal	#	62
74) Fluoranthene	12.37	202	116705	2.71	ng	95
76) Benzidine	12.52	184	1392	Below Cal	#	1
77) Pyrene	12.60	202	108553	5.82	ng	96
80) Benzo(a)anthracene	13.79	228	40217	2.80	ng	75
82) Chrysene	13.79	228	40217	2.79	ng	80
87) Benzo(b)fluoranthene	14.80	252	41903	3.74	ng	1
88) Benzo(k)fluoranthene	14.80	252	41903	4.38	ng	1
89) Benzo(a)pyrene	15.12	252	19936	2.00	ng	1

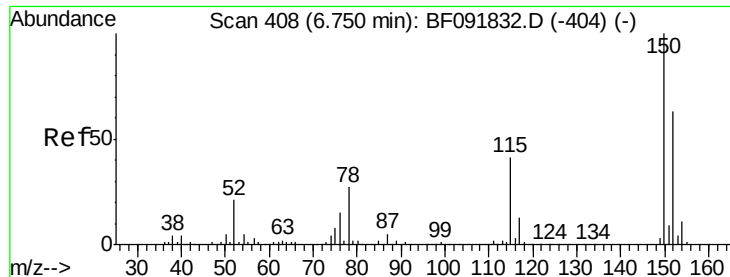
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

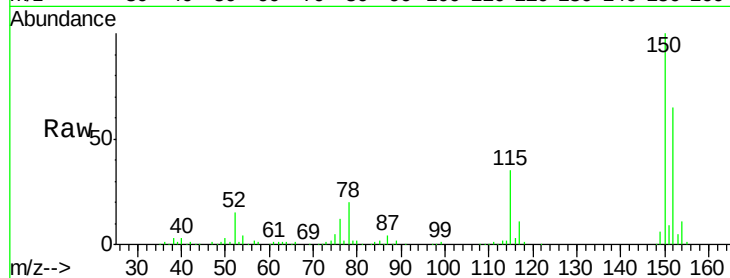
Tgt Ion:152 Resp: 137769

Ion Ratio Lower Upper

152 100

150 153.6 124.9 187.3

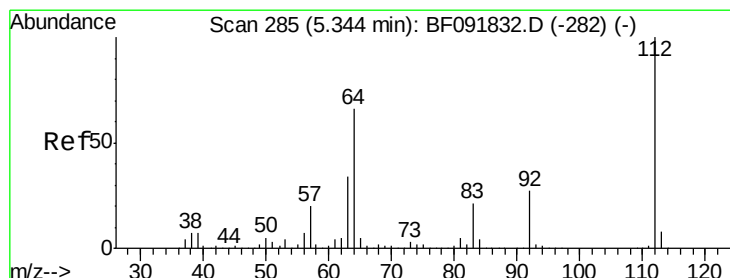
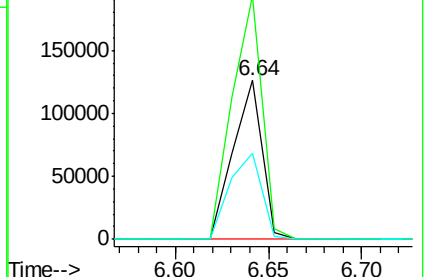
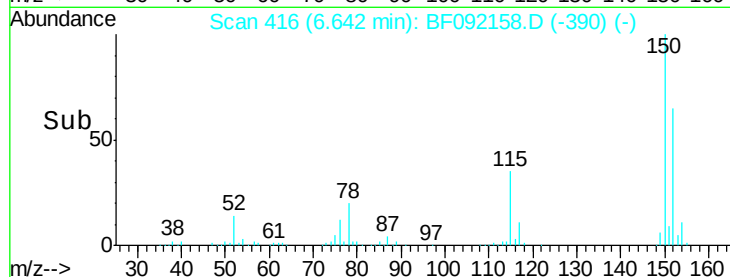
115 54.0 46.0 69.0



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: 49.74 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

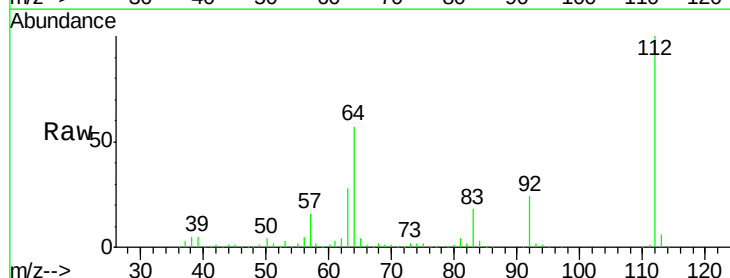
Tgt Ion:112 Resp: 410430

Ion Ratio Lower Upper

112 100

64 57.4 46.1 69.1

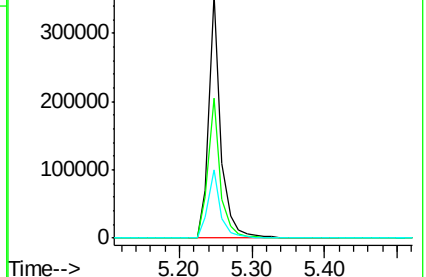
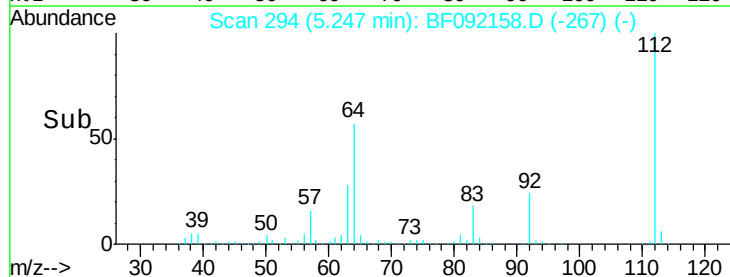
63 28.0 23.8 35.6

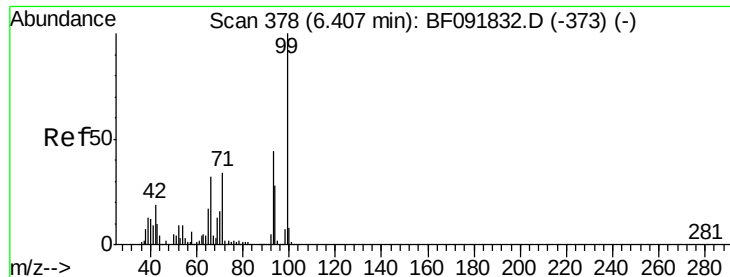


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.84 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampled :

RAP-SP1

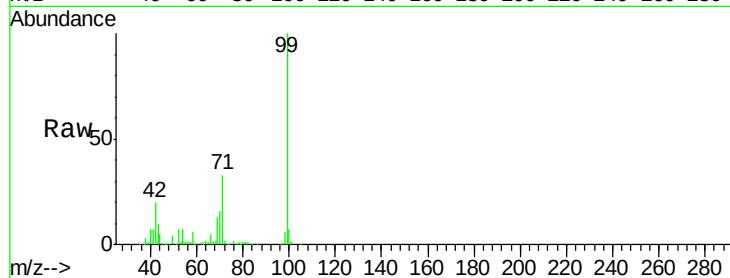
Tgt Ion: 99 Resp: 532338

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

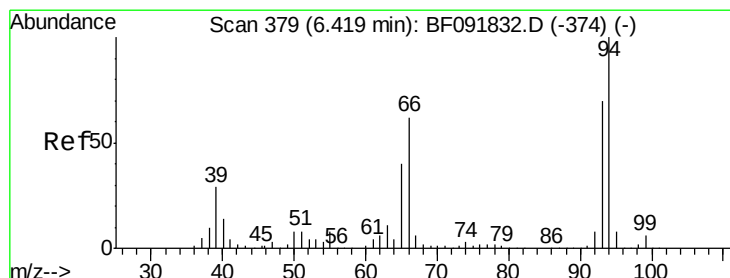
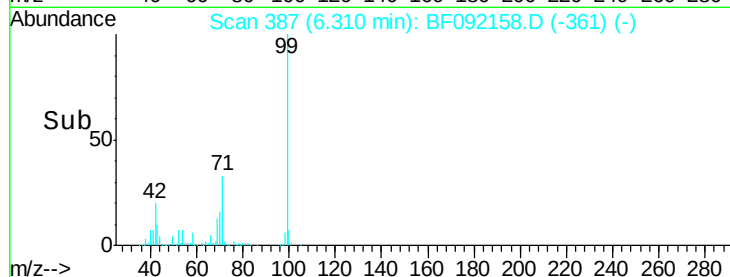
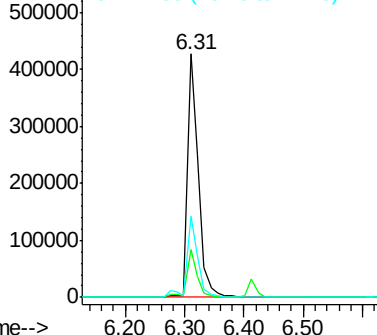
71 33.4 27.5 41.3



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



#10

Phenol

Concen: 2.46 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

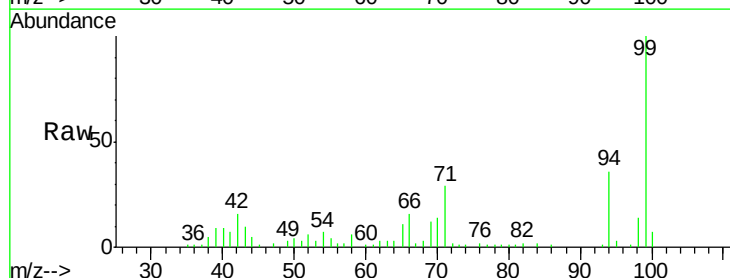
Tgt Ion: 94 Resp: 28226

Ion Ratio Lower Upper

94 100

65 31.7 21.4 61.4

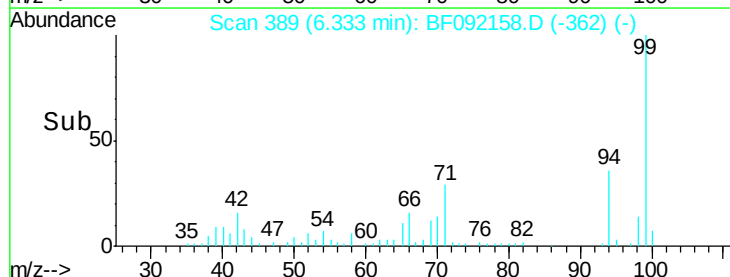
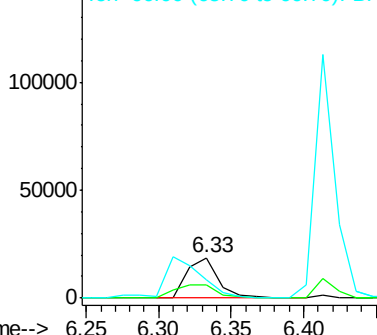
66 44.2 44.0 84.0

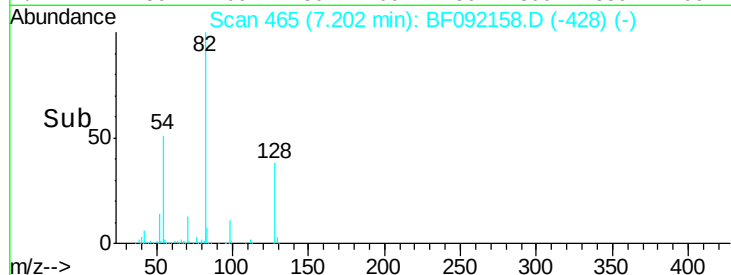
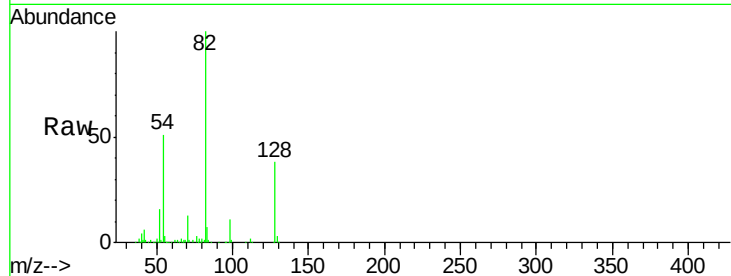
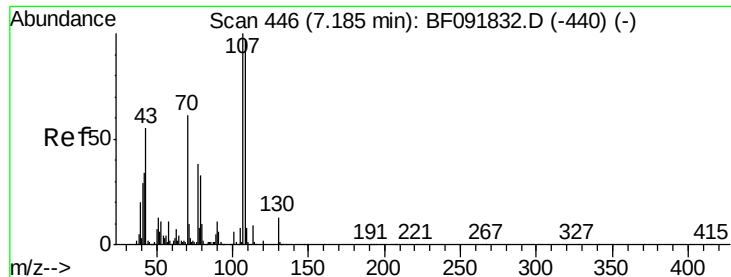


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

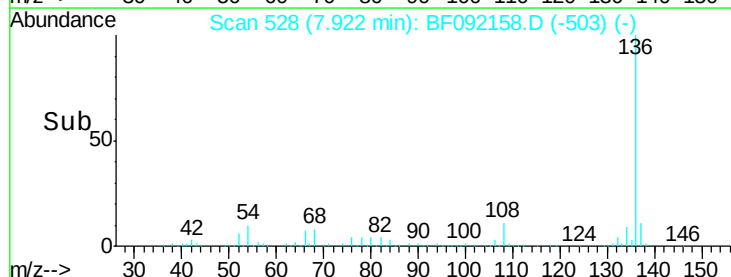
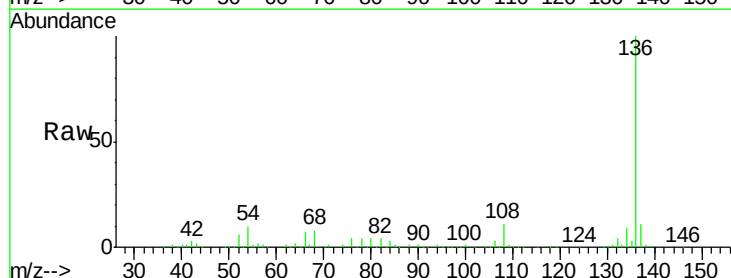
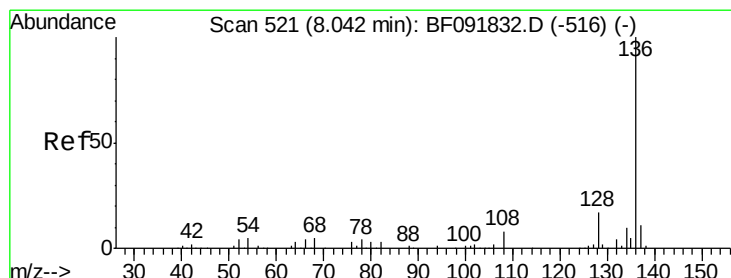
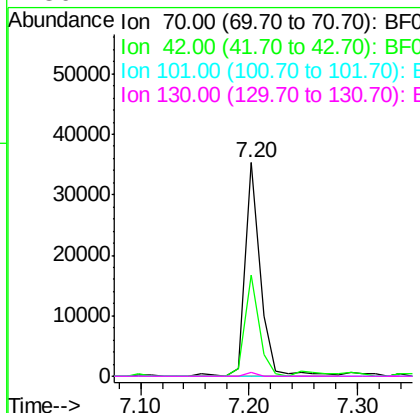




#19
n-Nitroso-di-n-propylamine
Concen: 5.17 ng
RT: 7.20 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

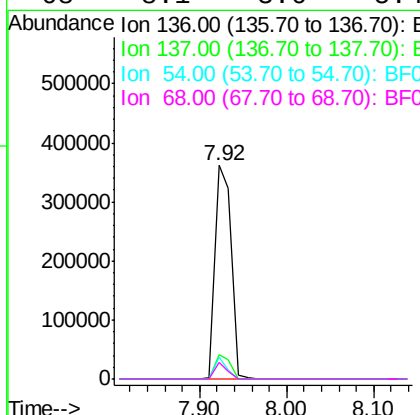
Instrument :
BNA_F
ClientSampled :
RAP-SP1

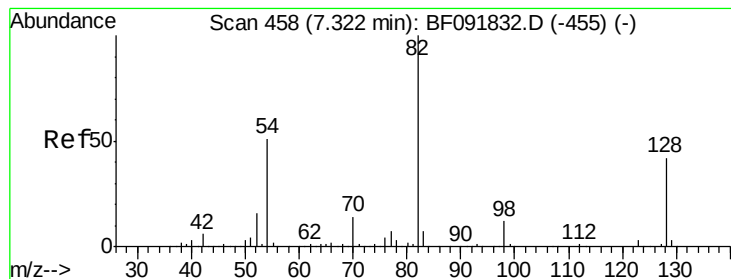
Tgt Ion: 70 Resp: 34641
Ion Ratio Lower Upper
70 100
42 47.6 49.4 74.0#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

Tgt Ion: 136 Resp: 479792
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.4 4.5 6.7#
68 8.1 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 29.08 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

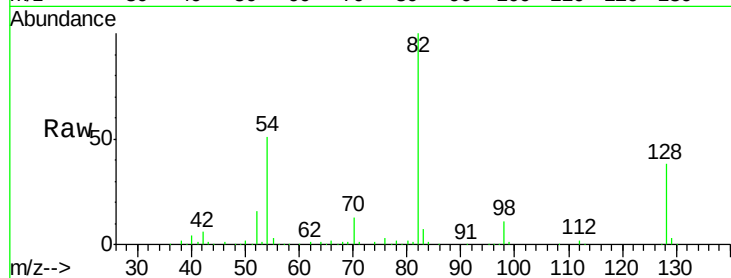
Tgt Ion: 82 Resp: 250880

Ion Ratio Lower Upper

82 100

128 38.1 34.6 52.0

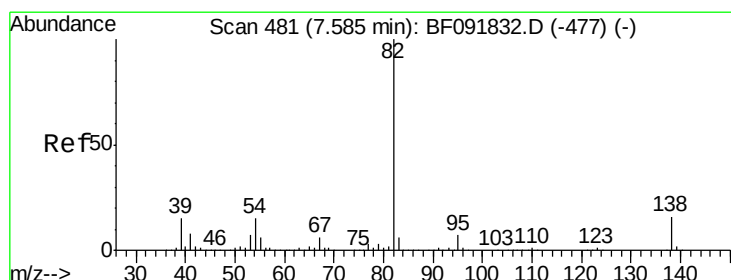
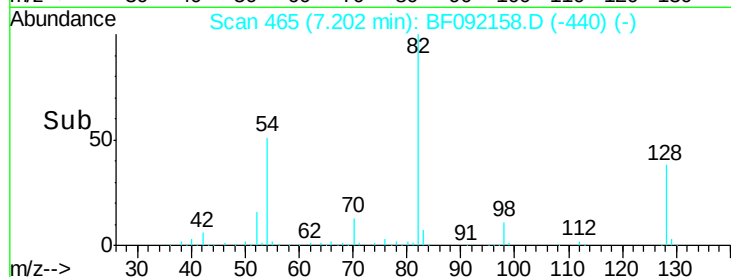
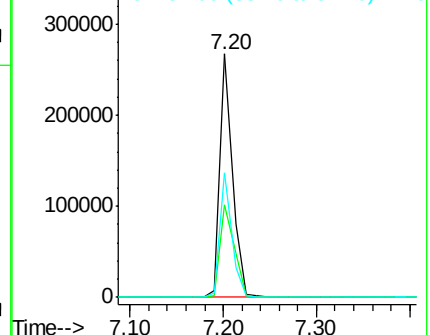
54 51.3 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 15.24 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.27 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

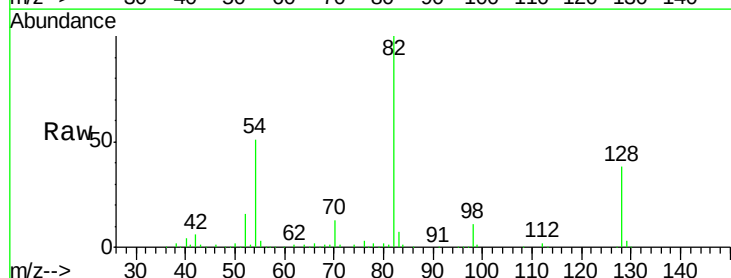
Tgt Ion: 82 Resp: 242653

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

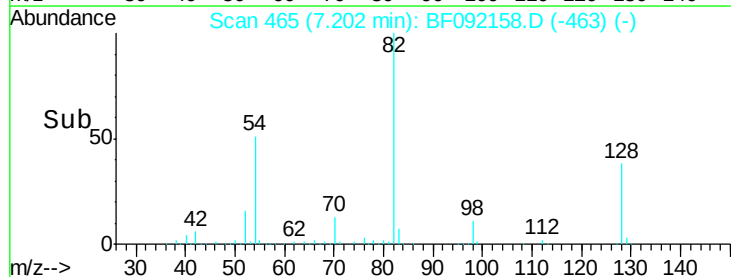
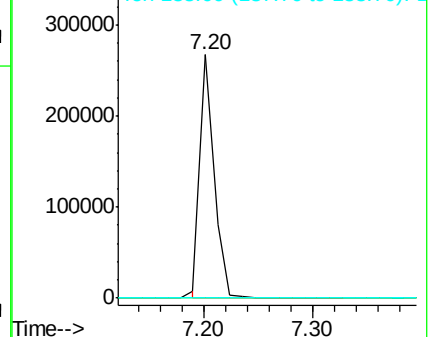
138 0.0 14.6 22.0#

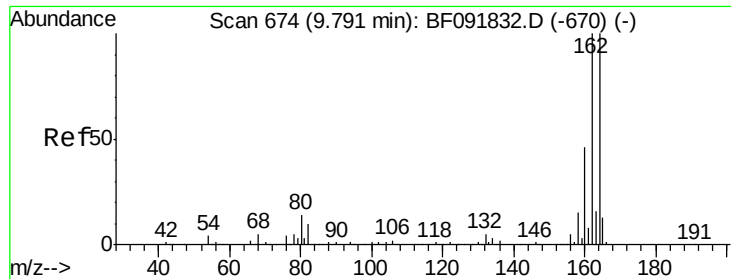


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

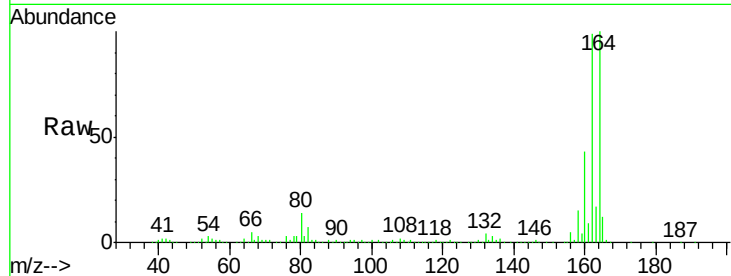
Tgt Ion:164 Resp: 235212

Ion Ratio Lower Upper

164 100

162 98.7 80.2 120.2

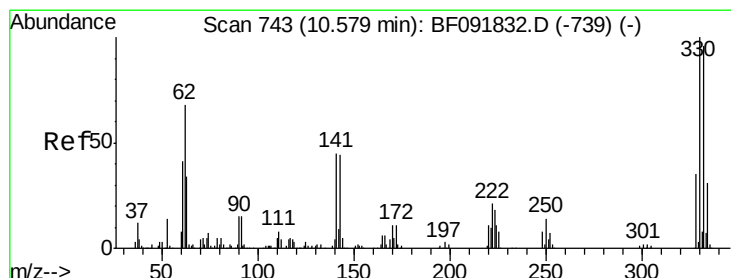
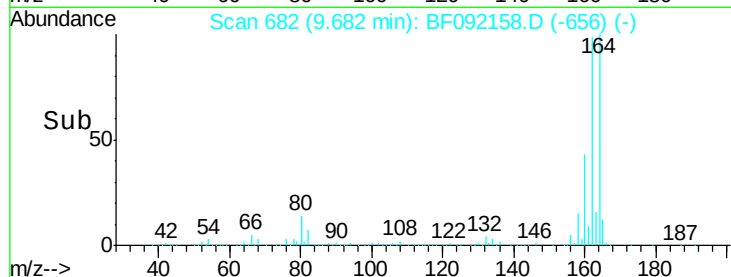
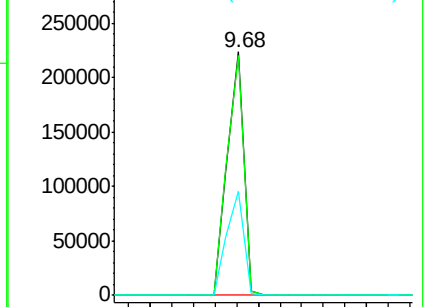
160 42.8 36.9 55.3



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: 32.44 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

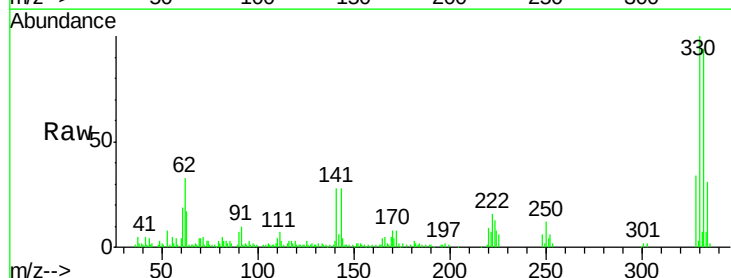
Tgt Ion:330 Resp: 63143

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

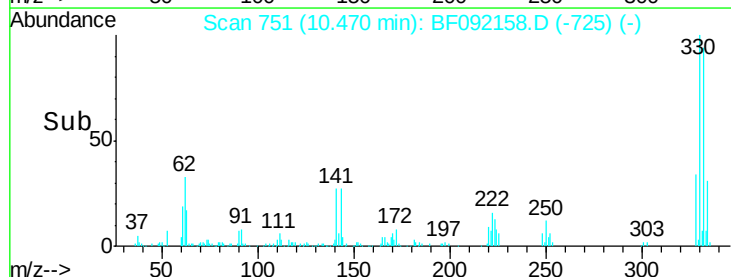
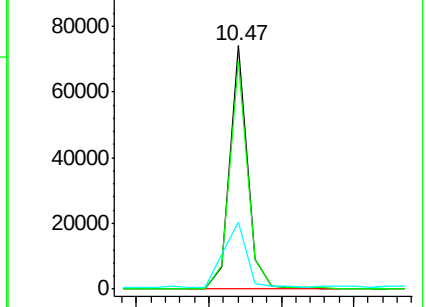
141 37.0 34.1 51.1

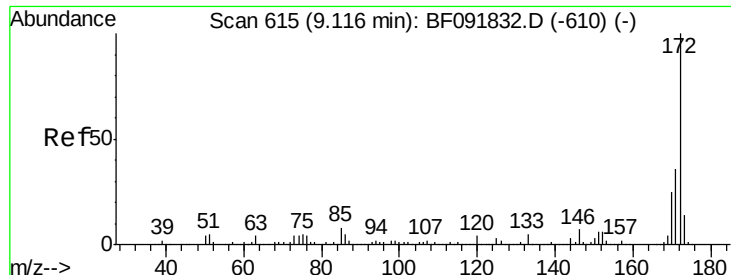


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

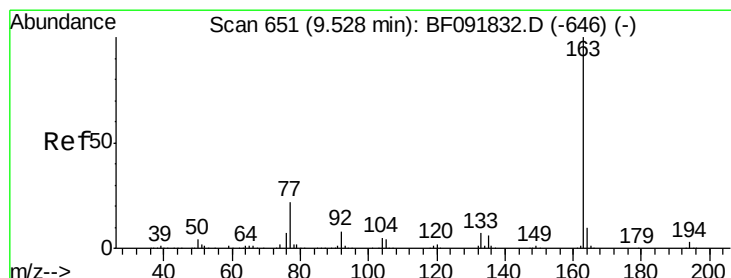
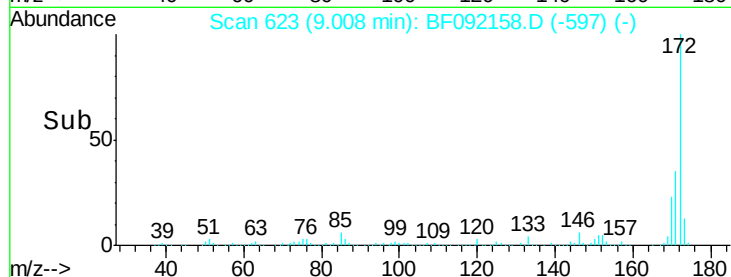
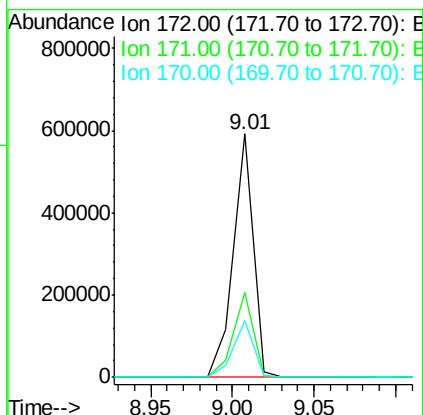
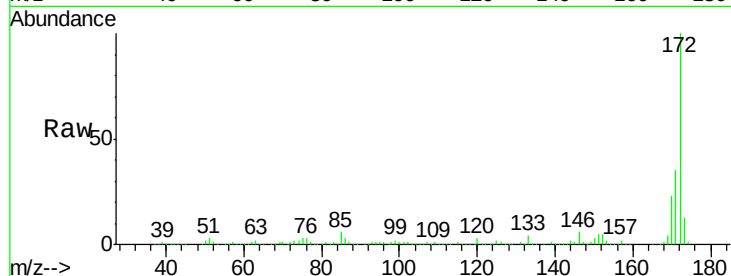




#44
 2-Fluorobiphenyl
 Concen: 35.97 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092158.D
 Acq: 10 Jan 2017 00:37

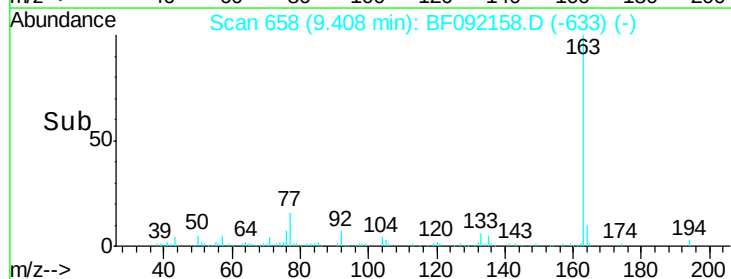
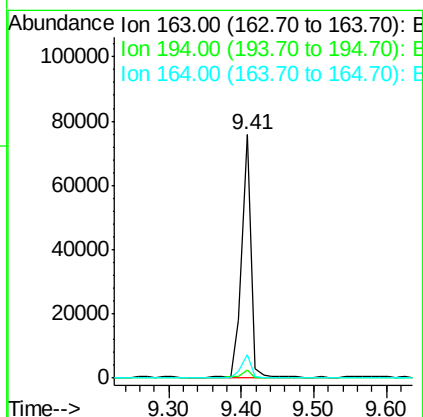
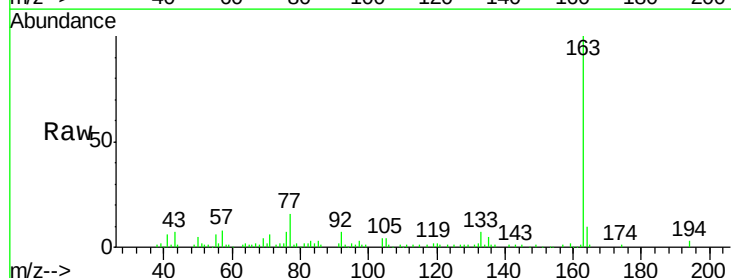
Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP1

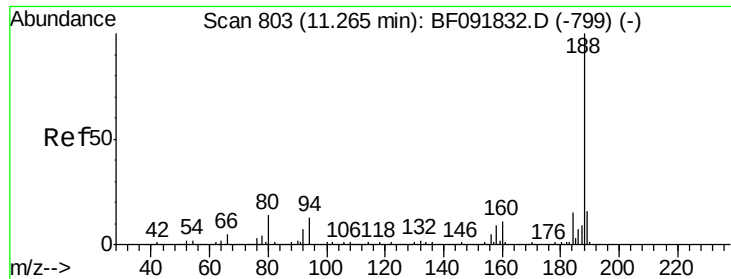
Tgt Ion:172 Resp: 498342
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.4 44.0
 170 23.4 20.2 30.4



#49
 Dimethylphthalate
 Concen: 4.66 ng
 RT: 9.41 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF092158.D
 Acq: 10 Jan 2017 00:37

Tgt Ion:163 Resp: 70126
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 9.5 8.0 12.0

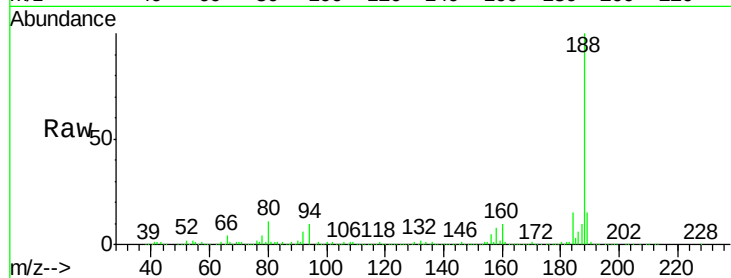




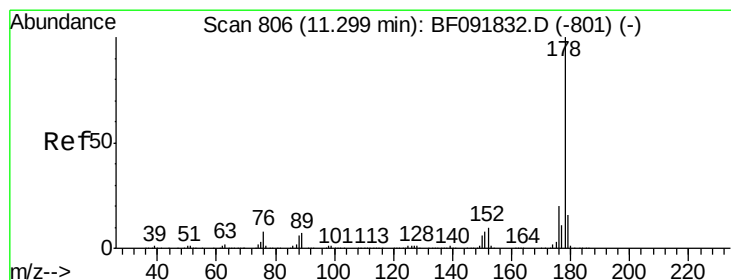
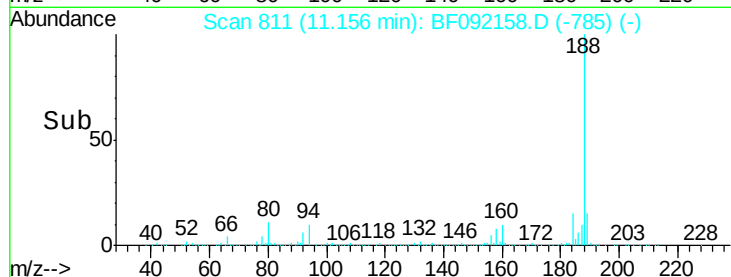
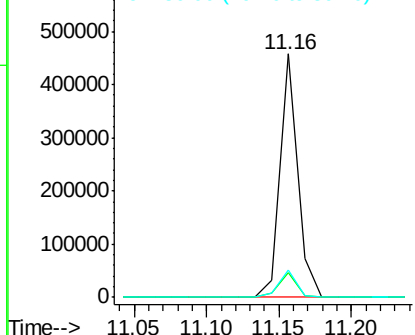
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

Instrument :
BNA_F
ClientSampleId :
RAP-SP1

Tgt Ion:188 Resp: 389211
Ion Ratio Lower Upper
188 100
94 10.1 10.0 15.0
80 11.3 11.2 16.8

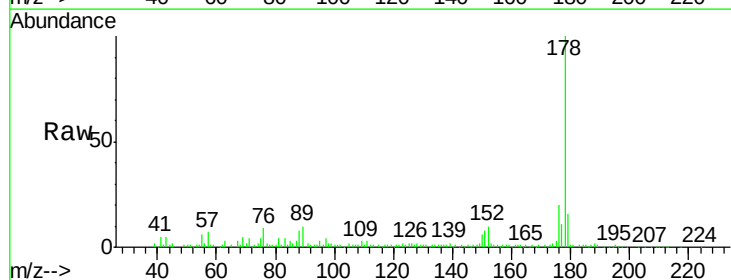


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

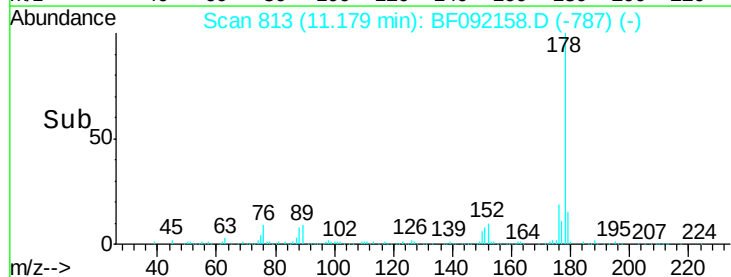
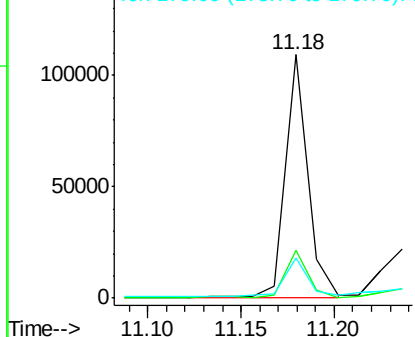


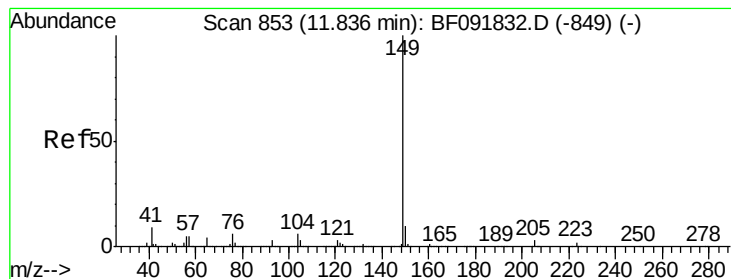
#70
Phenanthrene
Concen: 4.28 ng
RT: 11.18 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

Tgt Ion:178 Resp: 90305
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 16.3 12.8 19.2



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

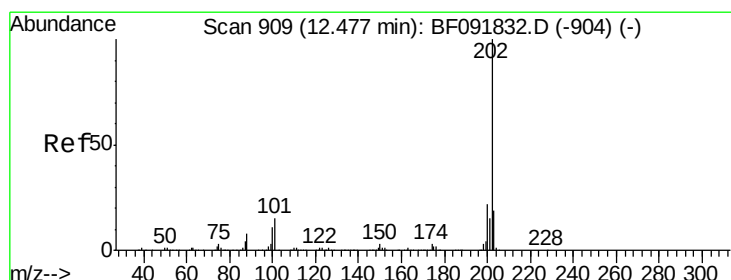
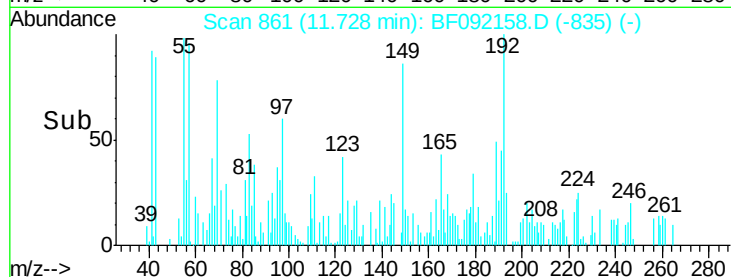
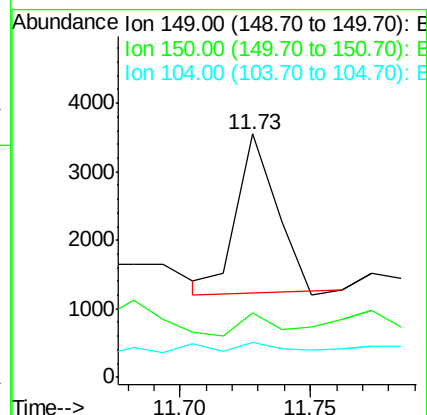
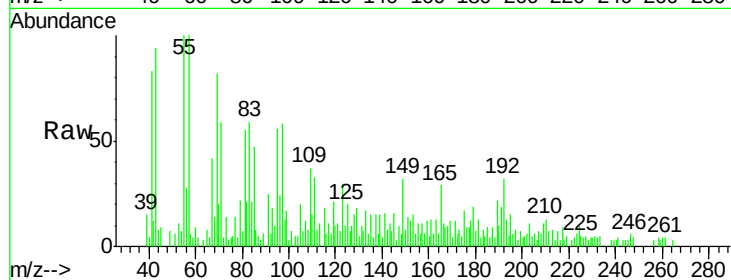
Tgt Ion:149 Resp: 2468

Ion Ratio Lower Upper

149 100

150 26.7 8.1 12.1#

104 14.6 4.6 7.0#



#74

Fluoranthene

Concen: 2.71 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

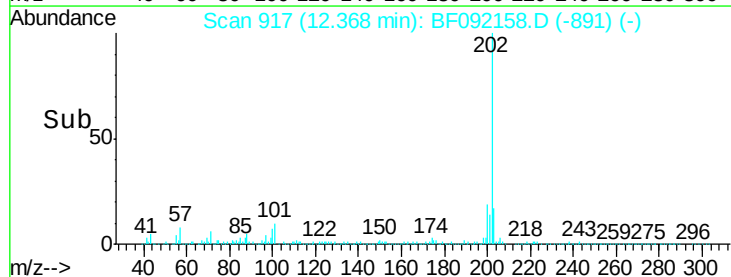
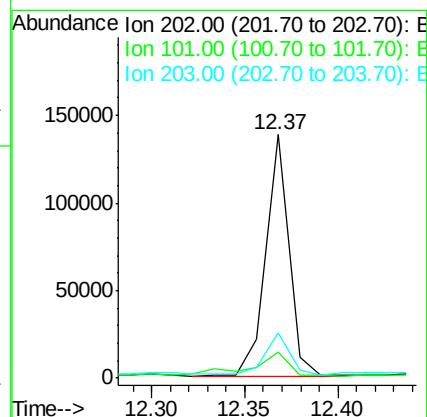
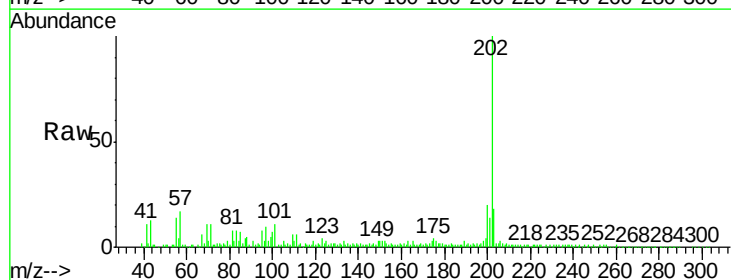
Tgt Ion:202 Resp: 116705

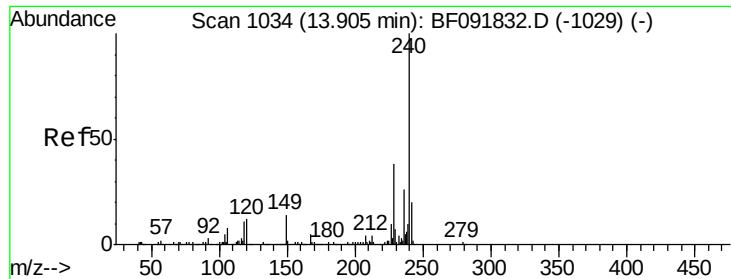
Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.6

203 18.4 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

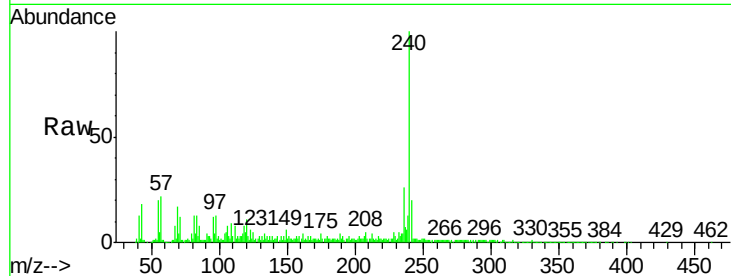
Tgt Ion:240 Resp: 254134

Ion Ratio Lower Upper

240 100

120 11.2 12.9 19.3#

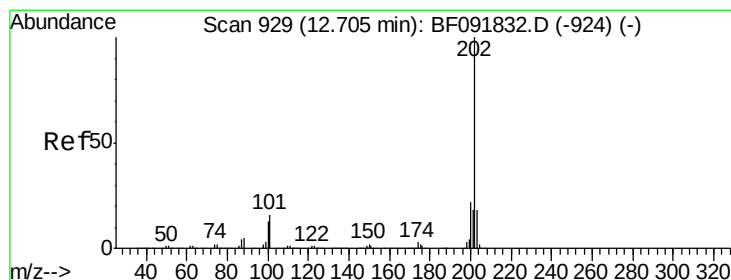
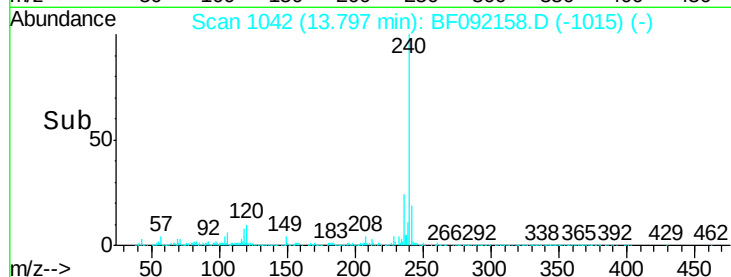
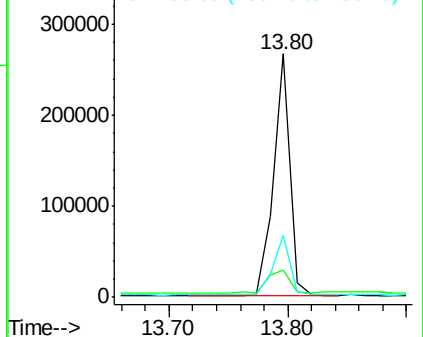
236 25.5 20.9 31.3



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: 5.82 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

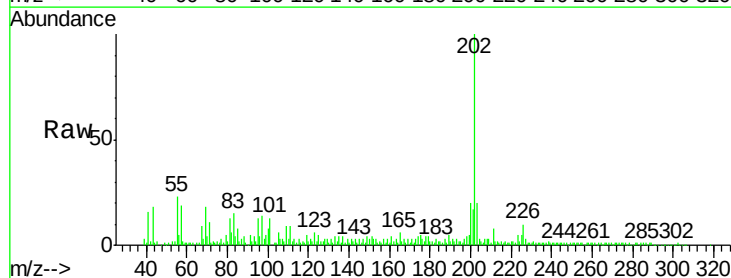
Tgt Ion:202 Resp: 108553

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

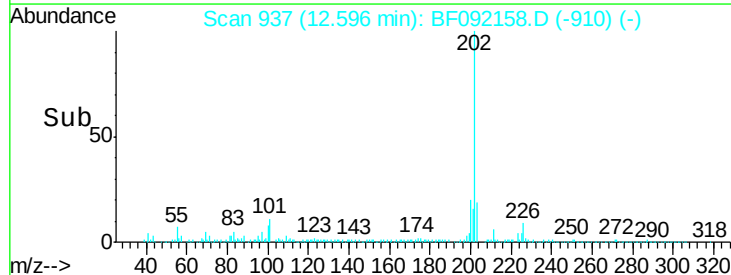
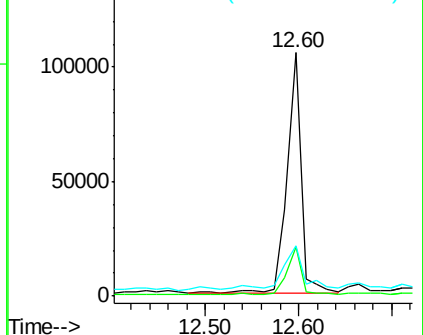
203 20.5 14.7 22.1

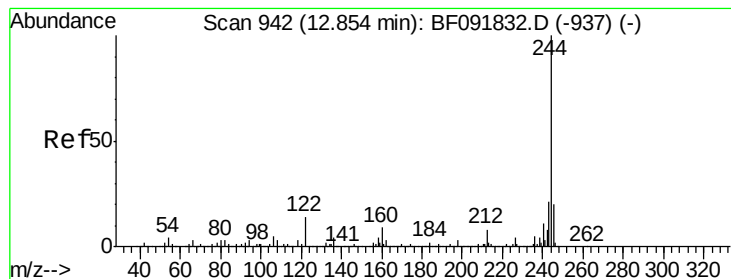


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 37.04 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

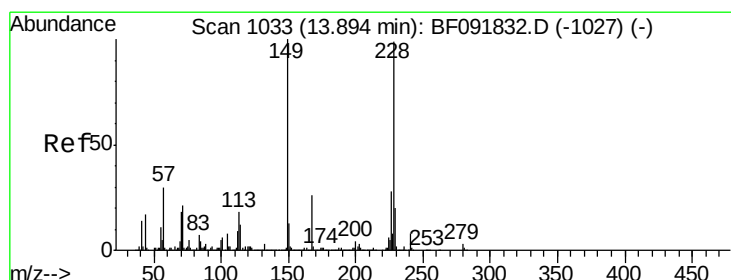
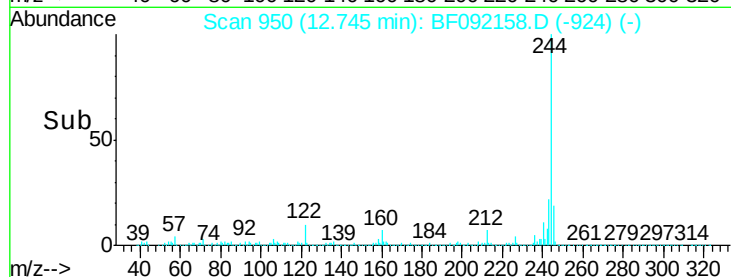
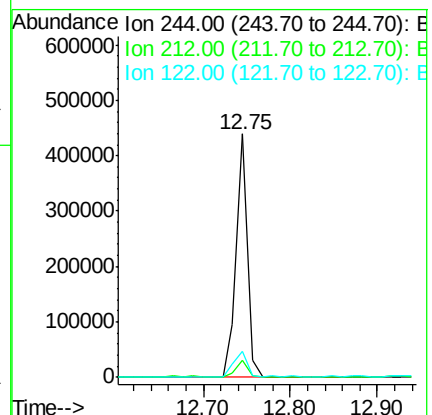
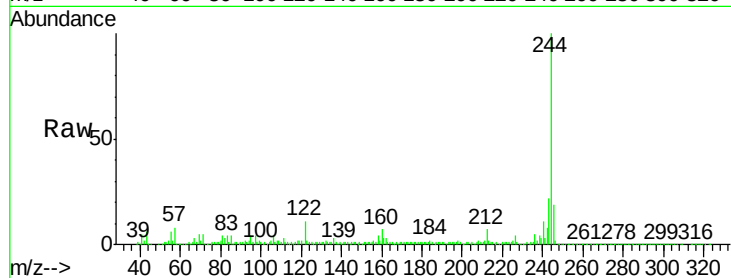
Tgt Ion:244 Resp: 388102

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

122 10.6 11.4 17.2#



#80

Benzo(a)anthracene

Concen: 2.80 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

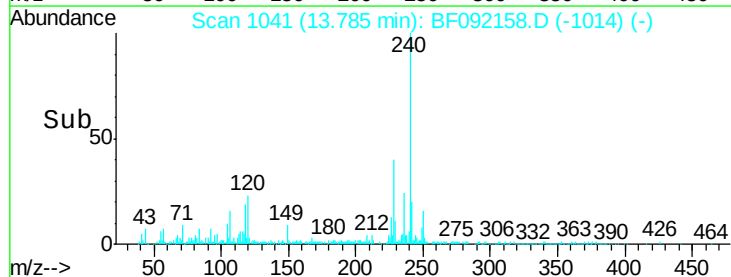
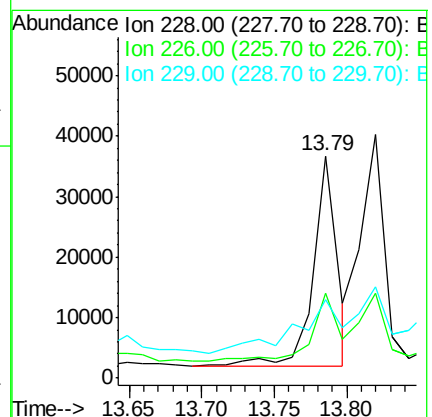
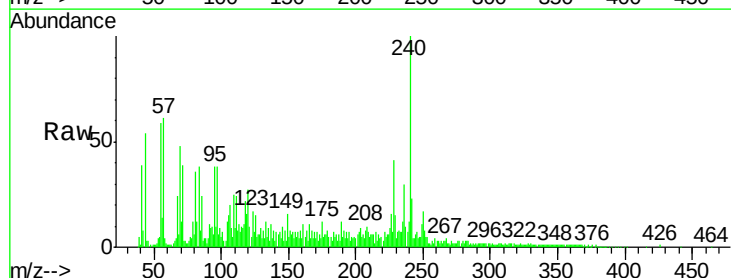
Tgt Ion:228 Resp: 40217

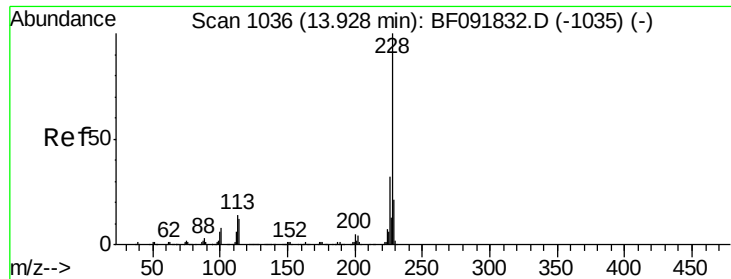
Ion Ratio Lower Upper

228 100

226 37.9 22.4 33.6#

229 35.6 16.2 24.4#

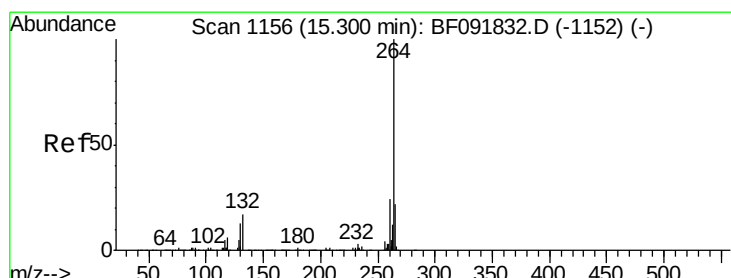
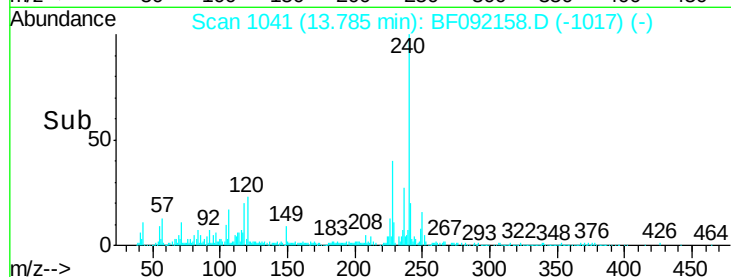
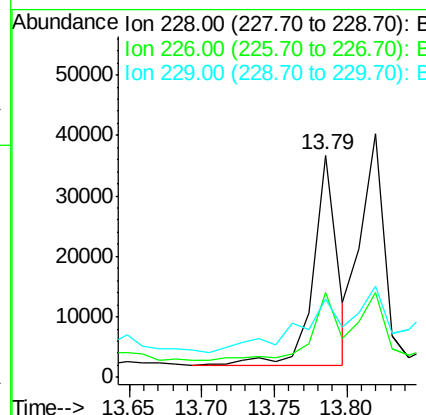
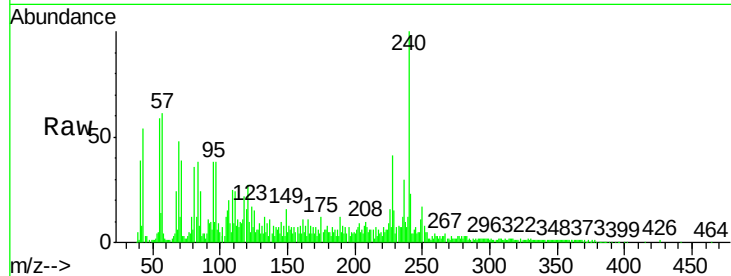




#82
Chrysene
Concen: 2.79 ng
RT: 13.79 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

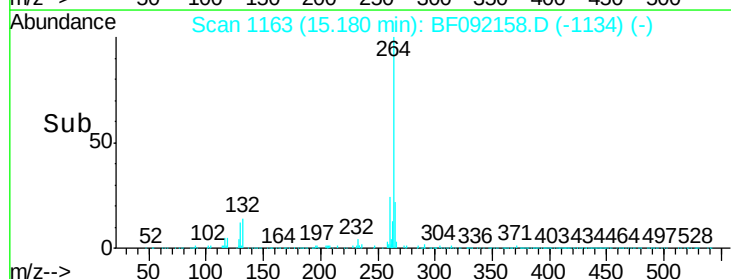
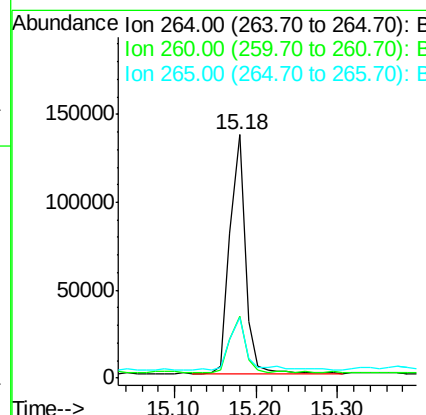
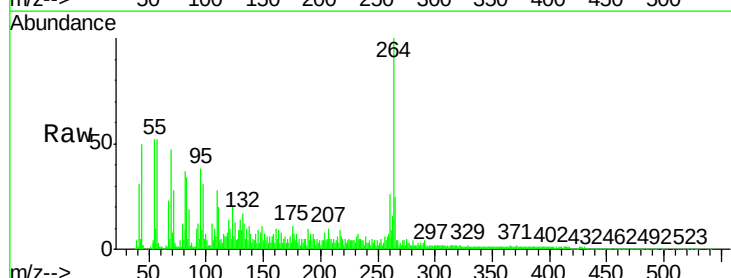
Instrument :
BNA_F
ClientSampleId :
RAP-SP1

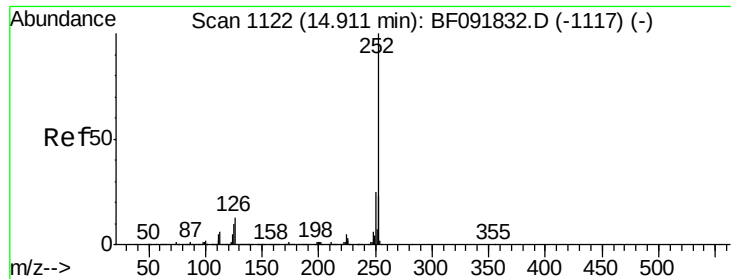
Tgt Ion: 228 Resp: 40217
Ion Ratio Lower Upper
228 100
226 37.9 25.4 38.0
229 35.6 16.2 24.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

Tgt Ion: 264 Resp: 180003
Ion Ratio Lower Upper
264 100
260 25.6 19.2 28.8
265 24.9 17.4 26.0

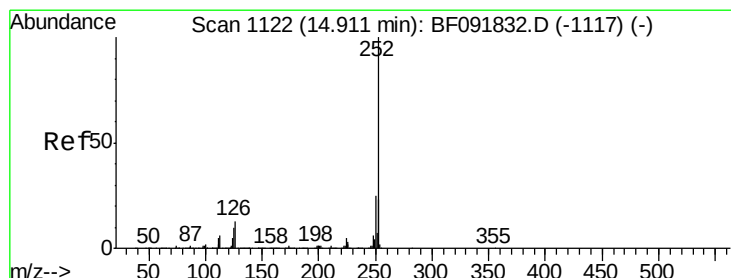
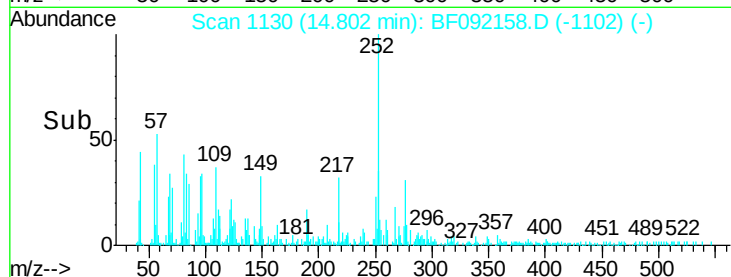
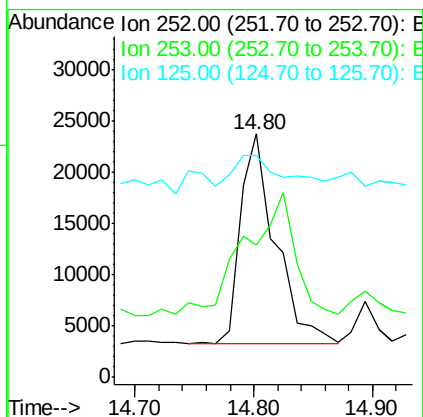
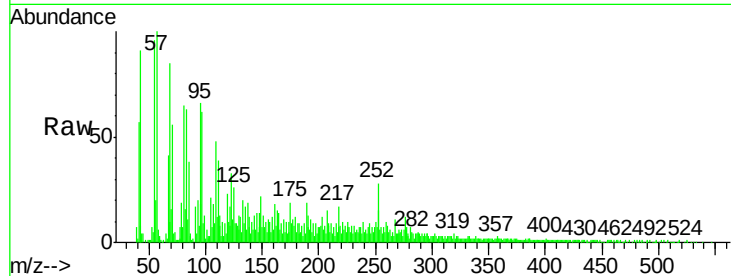




#87
Benzo(b)fluoranthene
Concen: 3.74 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

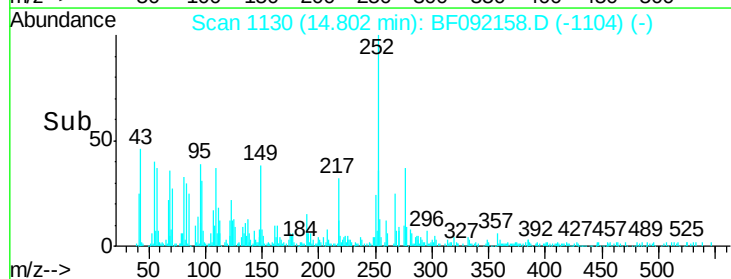
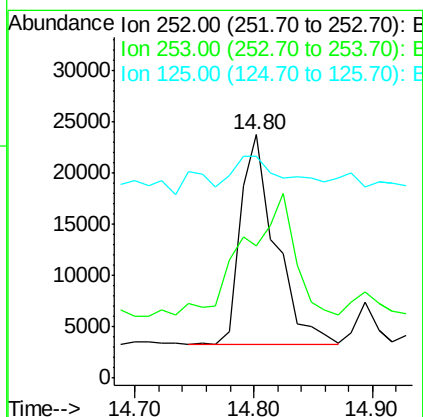
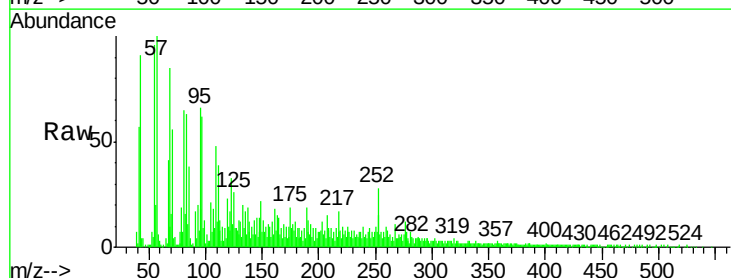
Instrument :
BNA_F
ClientSampleId :
RAP-SP1

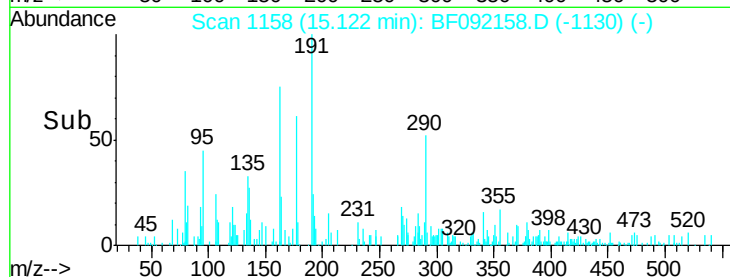
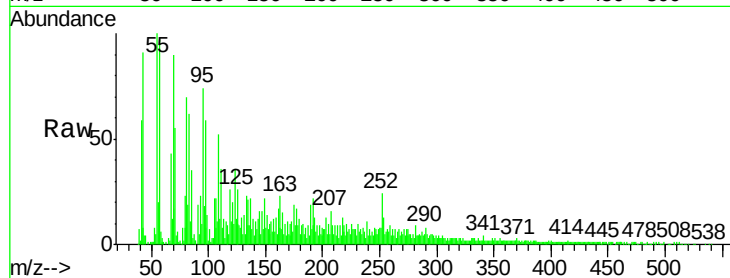
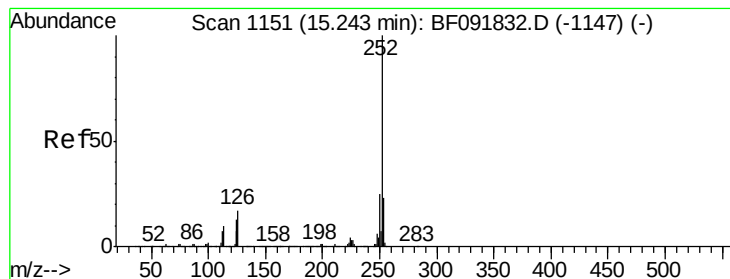
Tgt Ion:252 Resp: 41903
Ion Ratio Lower Upper
252 100
253 54.1 18.2 27.4#
125 90.9 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 4.38 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092158.D
Acq: 10 Jan 2017 00:37

Tgt Ion:252 Resp: 41903
Ion Ratio Lower Upper
252 100
253 54.1 18.5 27.7#
125 90.9 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 2.00 ng

RT: 15.12 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF092158.D

Acq: 10 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

Tgt Ion:252 Resp: 19936

Ion Ratio Lower Upper

252 100

253 55.3 18.2 27.2#

125 108.9 10.0 15.0#

