

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092159.D
 Acq On : 10 Jan 2017 1:04
 Operator : UM/SJ
 Sample : I1045-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP2

Quant Time: Jan 10 03:34:25 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	130314	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	476923	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	226058	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	360076	20.00	ng	0.00
75) Chrysene-d12	13.80	240	210068	20.00	ng	0.01
86) Perylene-d12	15.18	264	148740	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	388935	49.83	ng	0.01
7) Phenol-d6	6.31	99	494318	51.88	ng	0.00
23) Nitrobenzene-d5	7.20	82	218002	25.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	77035	41.18	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	476583	35.72	ng	0.00
78) Terphenyl-d14	12.75	244	343180	39.62	ng	0.00

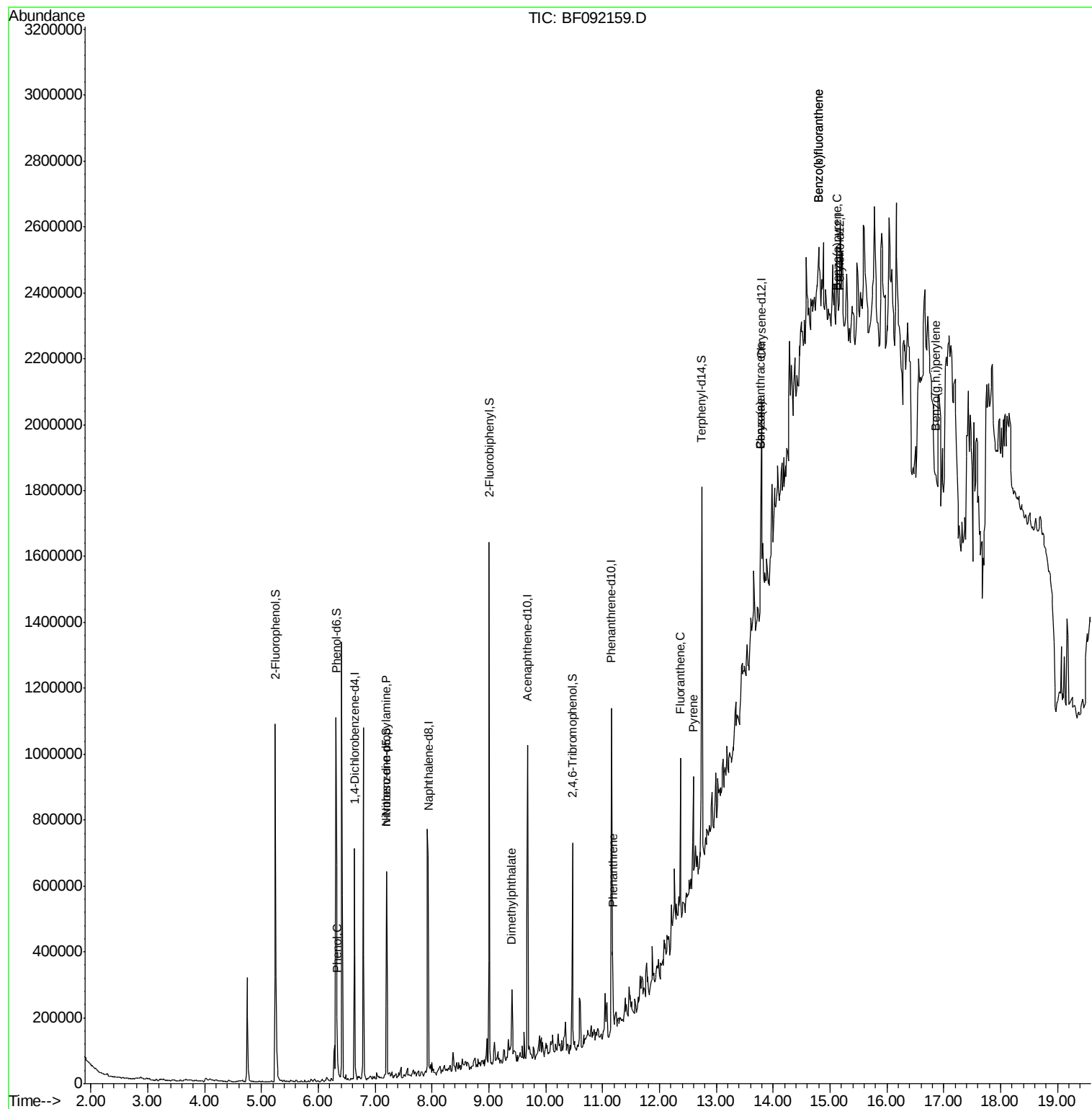
Target Compounds				Qvalue		
9) Benzaldehyde	6.18	77	279	Below Cal	#	1
10) Phenol	6.33	94	25976	2.39	ng	75
19) n-Nitroso-di-n-propylamine	7.20	70	30461	4.81	ng	79
37) 2-Methylnaphthalene	8.64	142	5038	Below Cal		94
49) Dimethylphthalate	9.41	163	76726	5.31	ng	100
70) Phenanthrene	11.18	178	84340	4.32	ng	98
73) Di-n-butylphthalate	11.73	149	3154	Below Cal	#	61
74) Fluoranthene	12.37	202	182114	7.44	ng	97
76) Benzidine	12.53	184	890	Below Cal	#	1
77) Pyrene	12.60	202	158818	10.30	ng	98
80) Benzo(a)anthracene	13.79	228	95161	8.03	ng	89
82) Chrysene	13.79	228	95161	8.00	ng	92
87) Benzo(b)fluoranthene	14.80	252	78897	8.52	ng	47
88) Benzo(k)fluoranthene	14.80	252	78320	9.92	ng	47
89) Benzo(a)pyrene	15.12	252	41350	5.03	ng	33
91) Benzo(g,h,i)perylene	16.86	276	17023	2.42	ng	28

(#) = 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: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

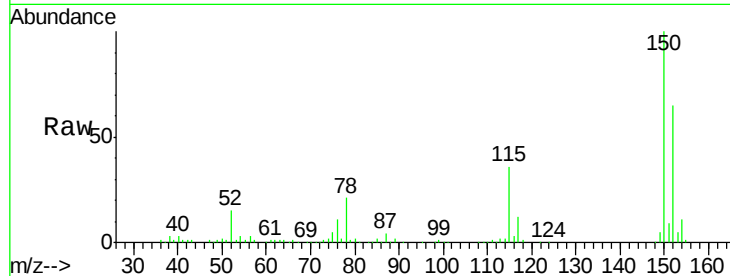
Tgt Ion:152 Resp: 130314

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

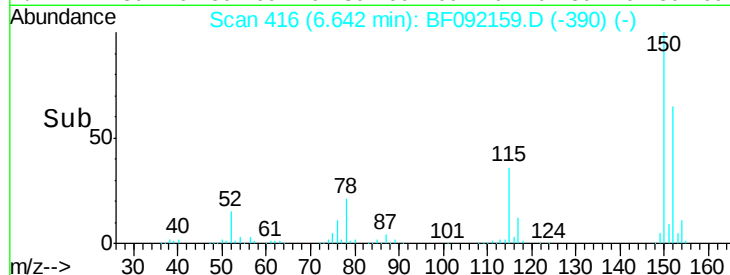
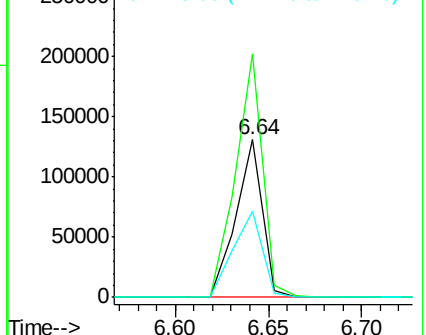
115 55.1 46.0 69.0



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: 49.83 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

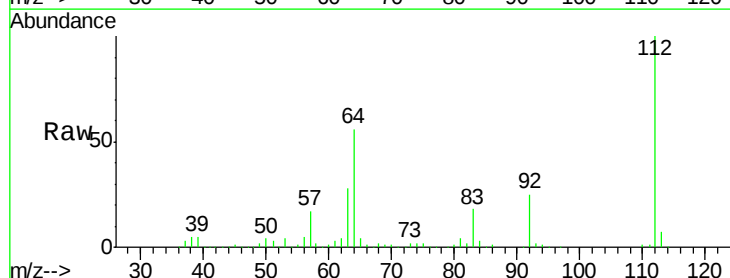
Tgt Ion:112 Resp: 388935

Ion Ratio Lower Upper

112 100

64 56.1 46.1 69.1

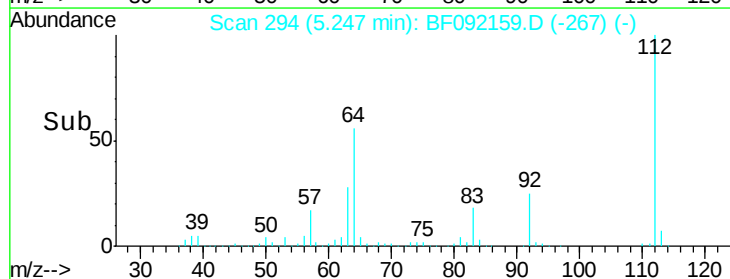
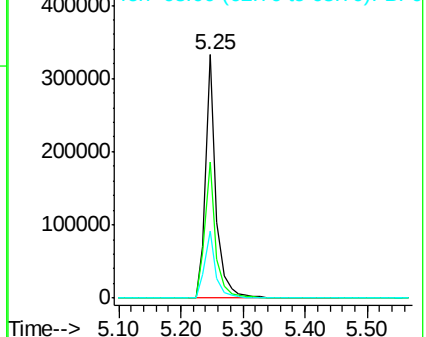
63 27.6 23.8 35.6



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: 51.88 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

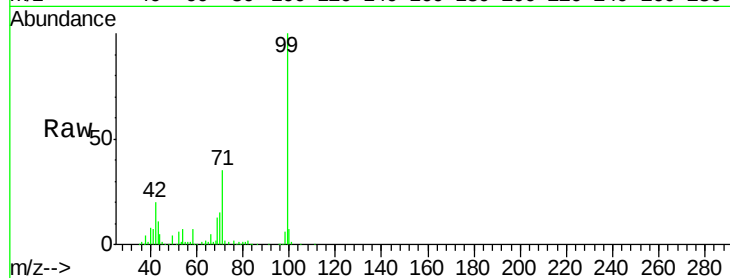
Tgt Ion: 99 Resp: 494318

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

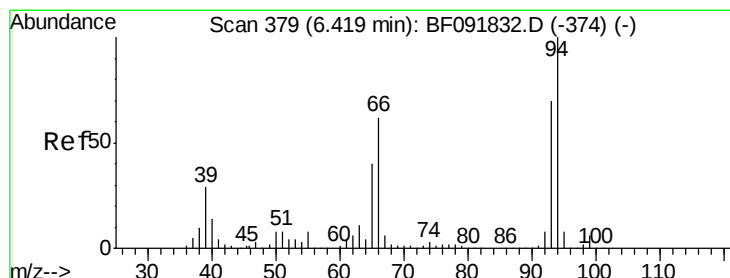
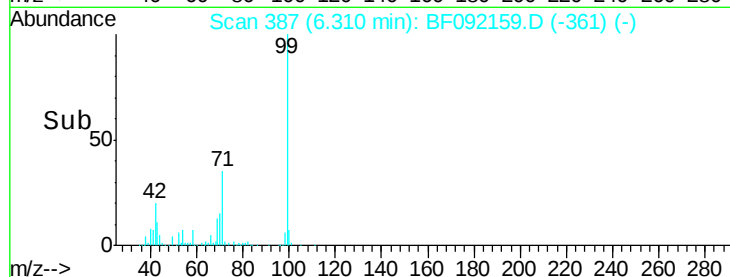
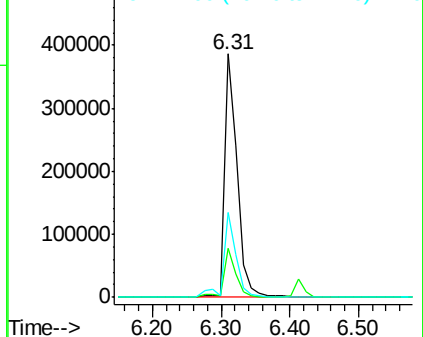
71 34.7 27.5 41.3



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: 2.39 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

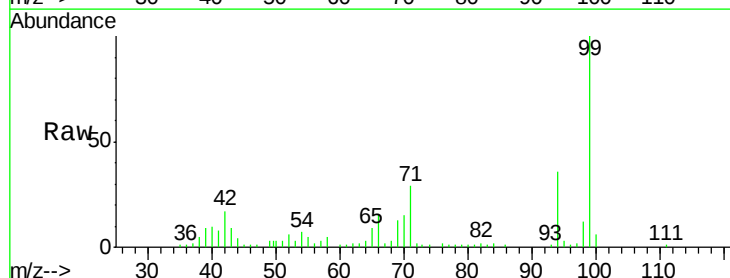
Tgt Ion: 94 Resp: 25976

Ion Ratio Lower Upper

94 100

65 26.4 21.4 61.4

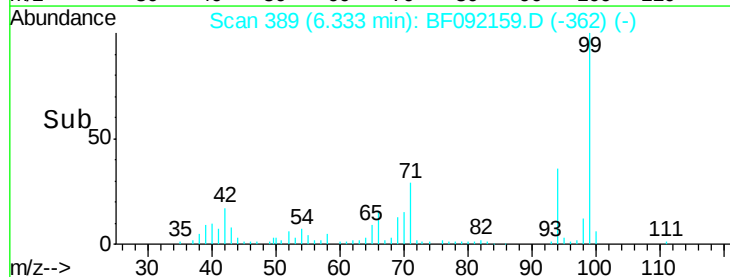
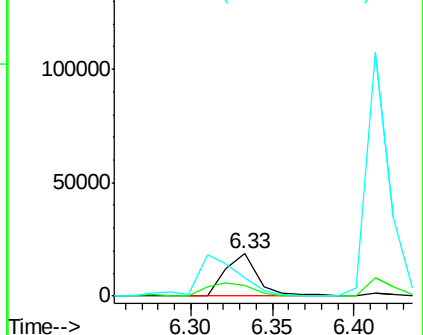
66 43.3 44.0 84.0#

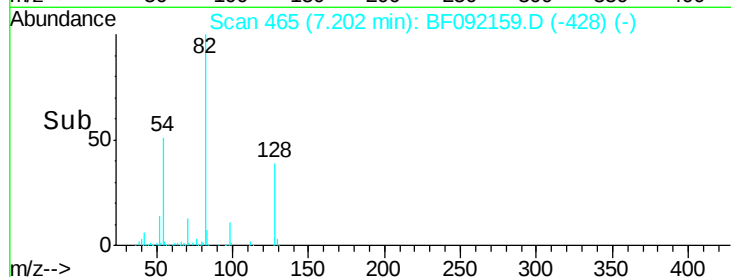
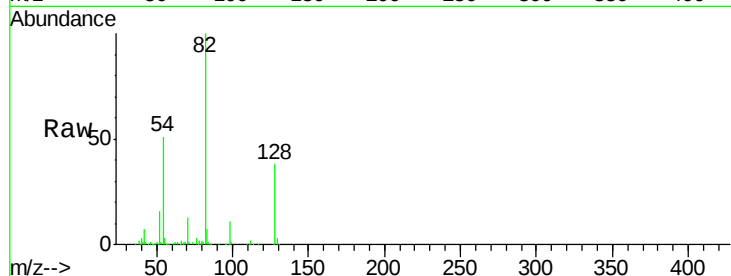
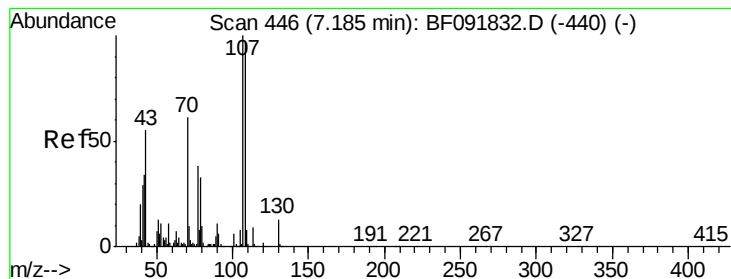


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 4.81 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

Tgt Ion: 70 Resp: 30461

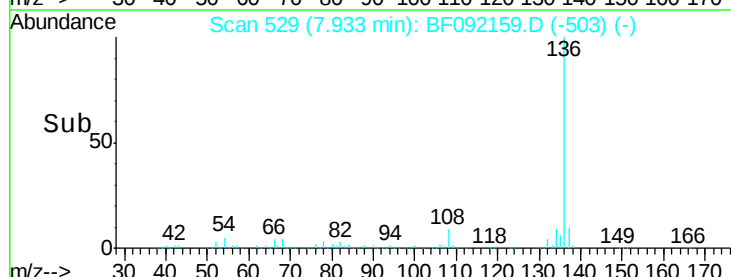
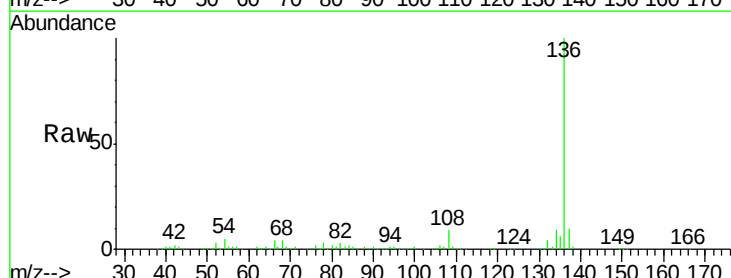
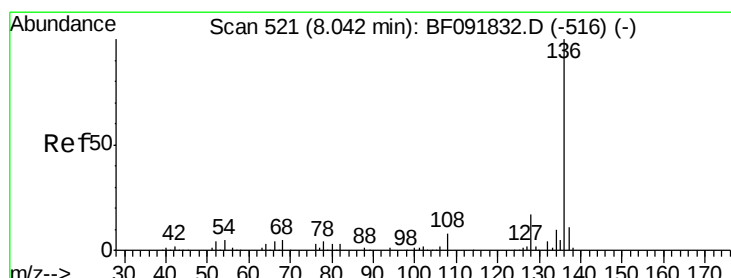
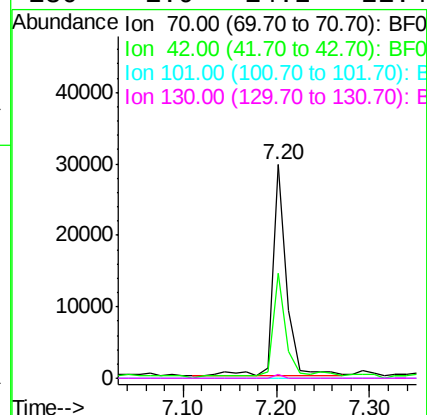
Ion Ratio Lower Upper

70 100

42 49.3 49.4 74.0#

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Tgt Ion: 136 Resp: 476923

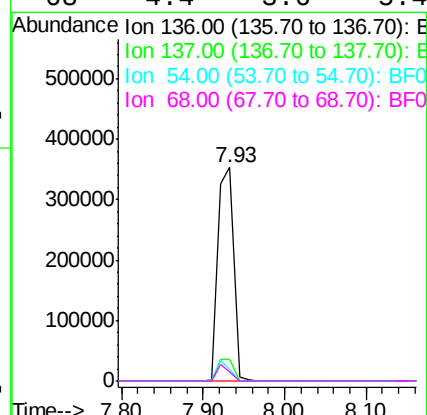
Ion Ratio Lower Upper

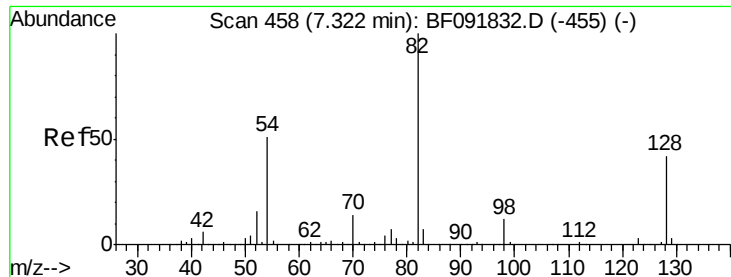
136 100

137 10.3 8.4 12.6

54 5.2 4.5 6.7

68 4.4 3.6 5.4

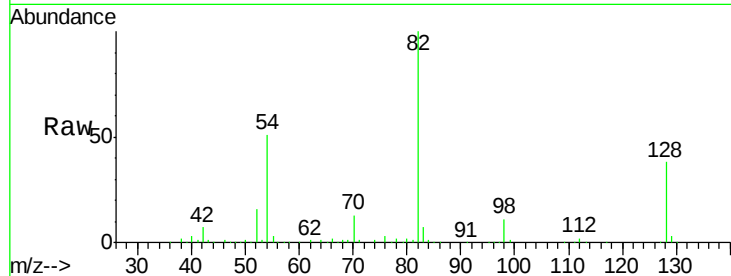




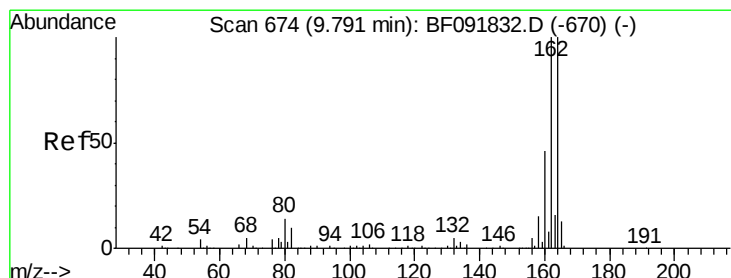
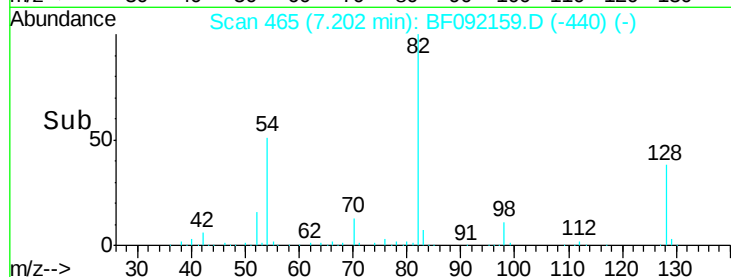
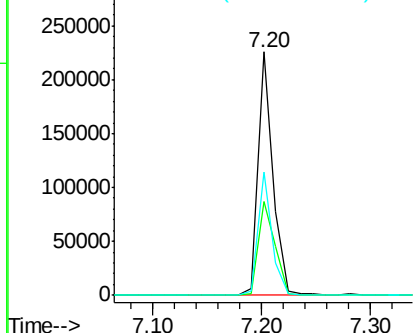
#23
 Nitrobenzene-d5
 Concen: 25.42 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF092159.D
 Acq: 10 Jan 2017 1:04

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.5	34.6	52.0
54	50.9	39.5	59.3

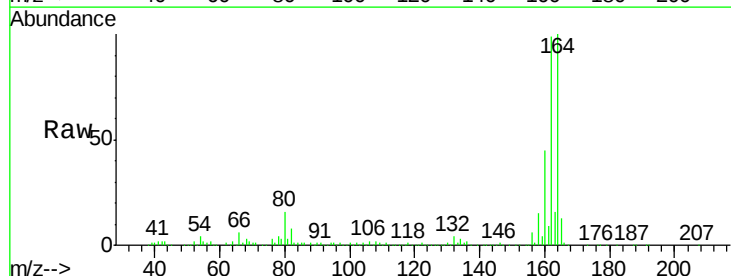


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

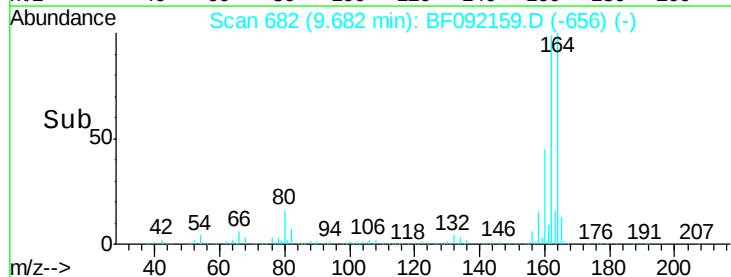
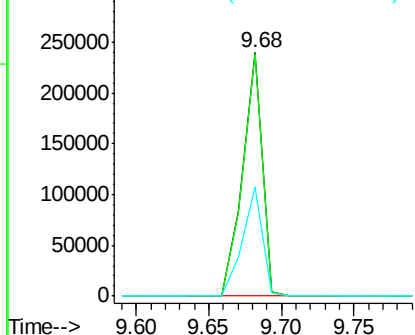


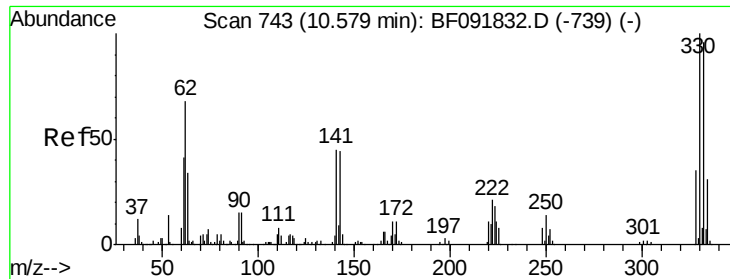
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: BF092159.D
 Acq: 10 Jan 2017 1:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.2	120.2
160	44.6	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

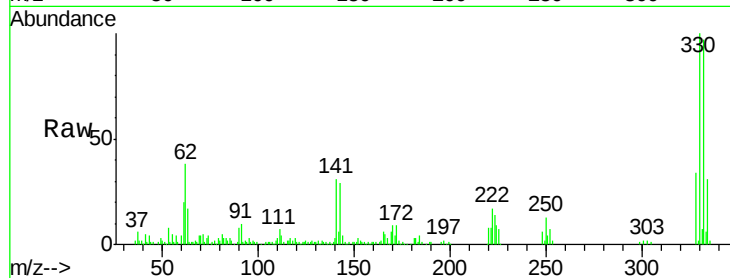




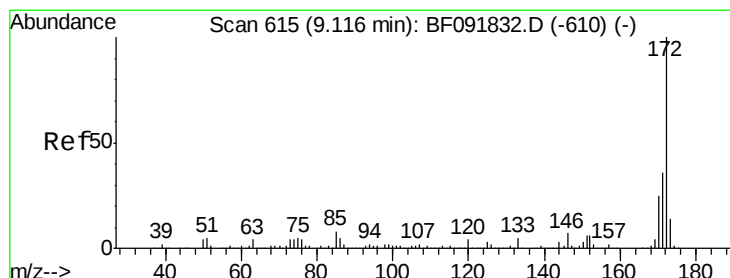
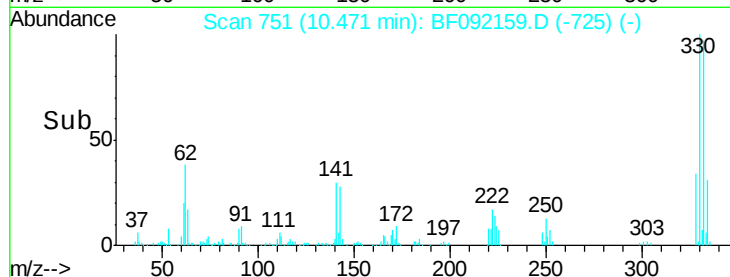
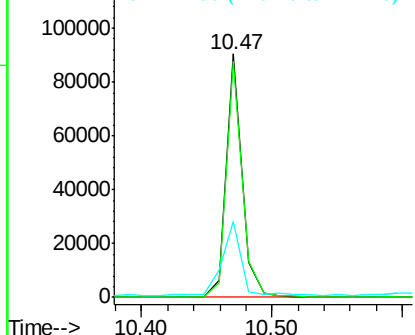
#41
 2,4,6-Tribromophenol
 Concen: 41.18 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092159.D
 Acq: 10 Jan 2017 1:04

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP2

Tgt Ion: 330 Resp: 77035
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.4 116.2
 141 36.9 34.1 51.1

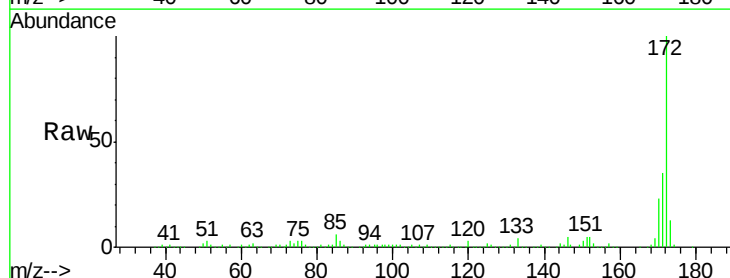


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

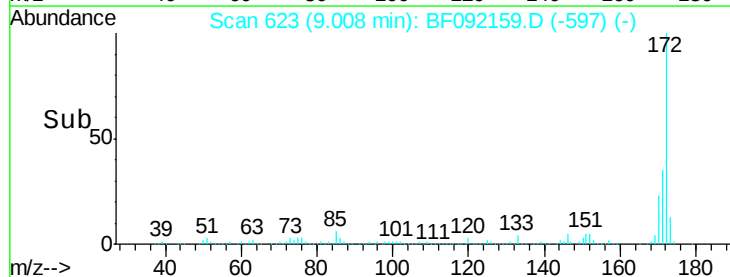
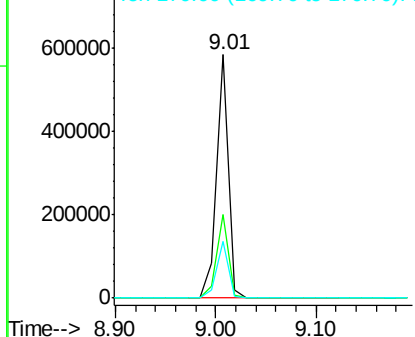


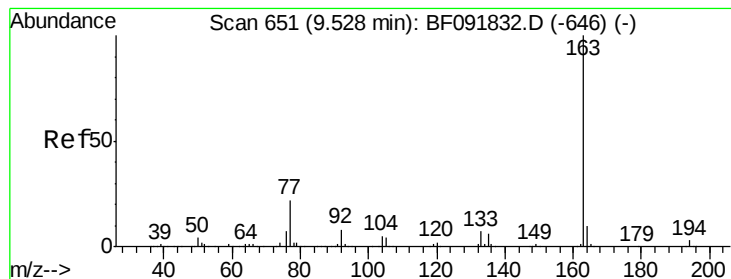
#44
 2-Fluorobiphenyl
 Concen: 35.72 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092159.D
 Acq: 10 Jan 2017 1:04

Tgt Ion: 172 Resp: 476583
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.4 44.0
 170 23.2 20.2 30.4



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: 5.31 ng

RT: 9.41 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

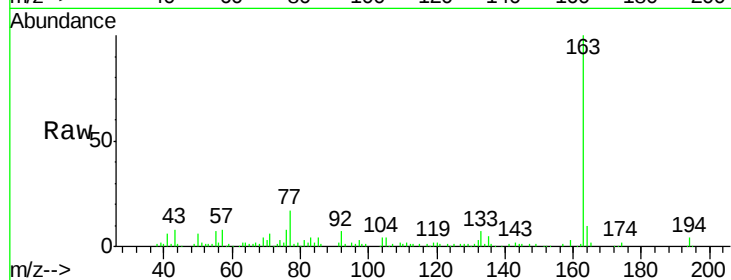
Tgt Ion:163 Resp: 76726

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

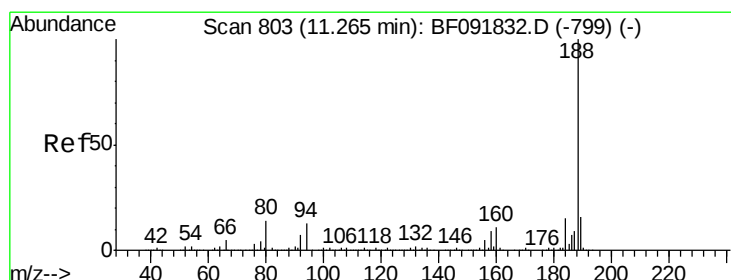
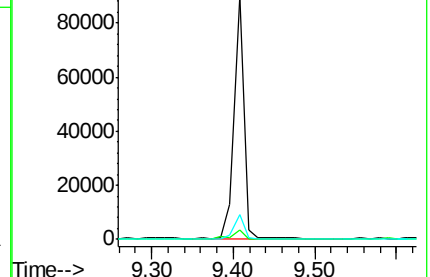
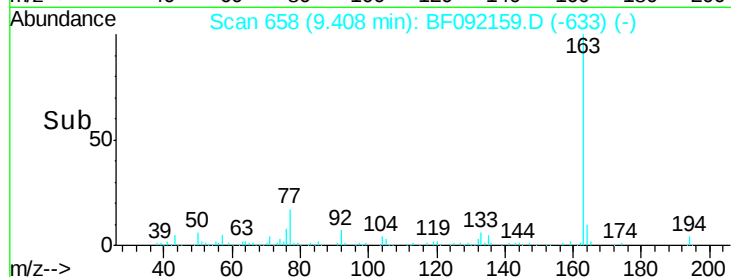
164 10.2 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

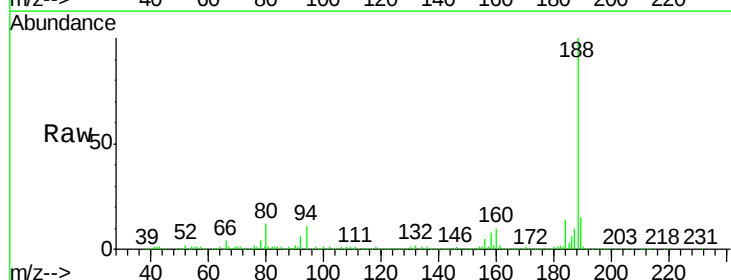
Tgt Ion:188 Resp: 360076

Ion Ratio Lower Upper

188 100

94 10.6 10.0 15.0

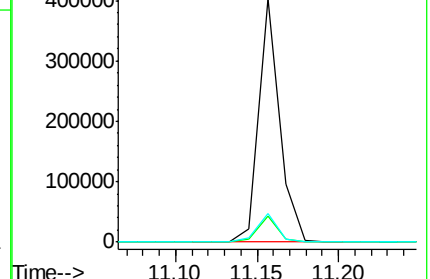
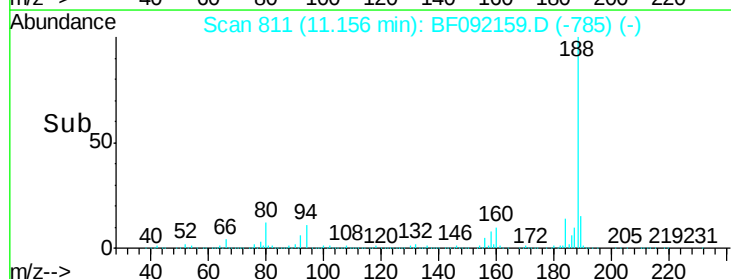
80 11.7 11.2 16.8

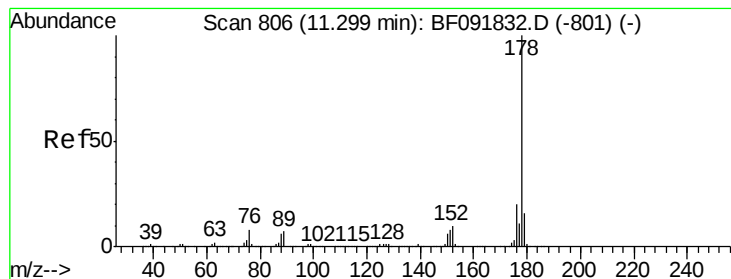


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.32 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

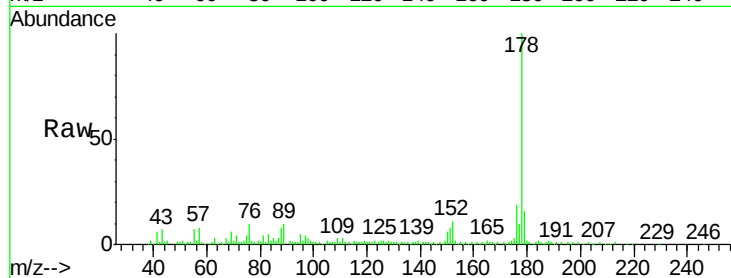
Tgt Ion:178 Resp: 84340

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

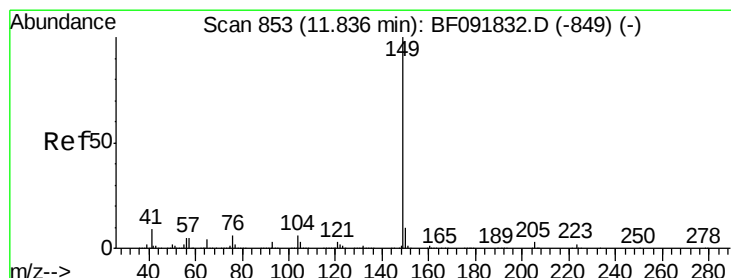
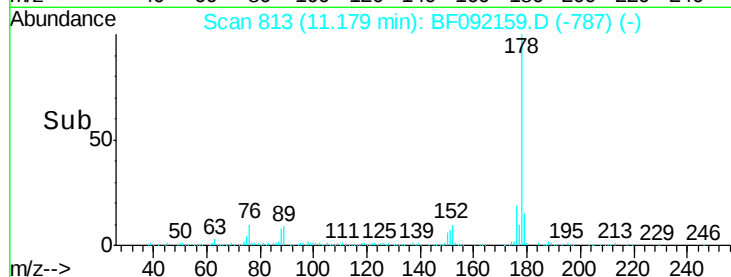
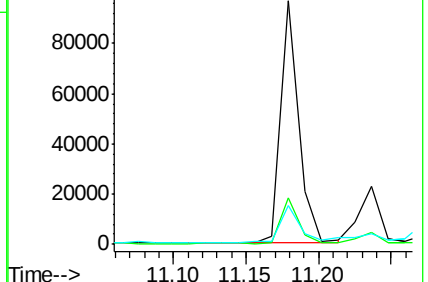
179 16.0 12.8 19.2



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: BF092159.D

Acq: 10 Jan 2017 1:04

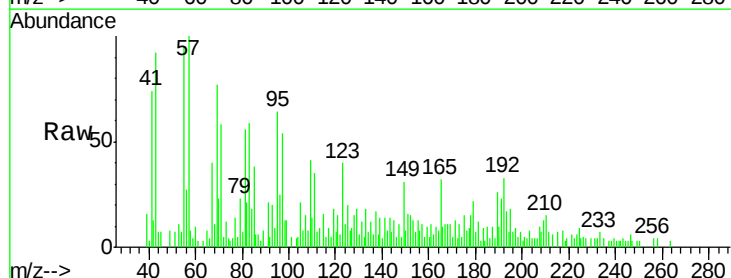
Tgt Ion:149 Resp: 3154

Ion Ratio Lower Upper

149 100

150 25.6 8.1 12.1#

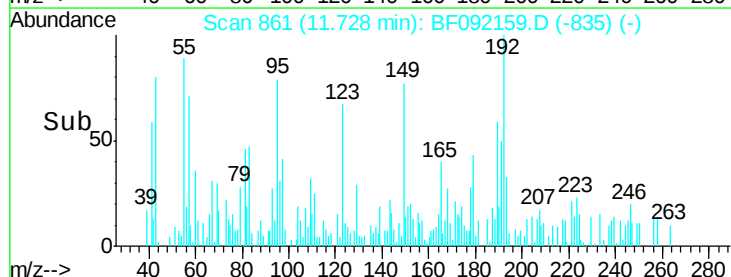
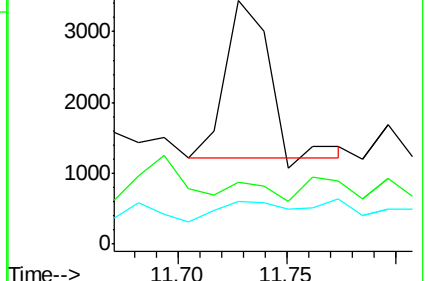
104 17.3 4.6 7.0#

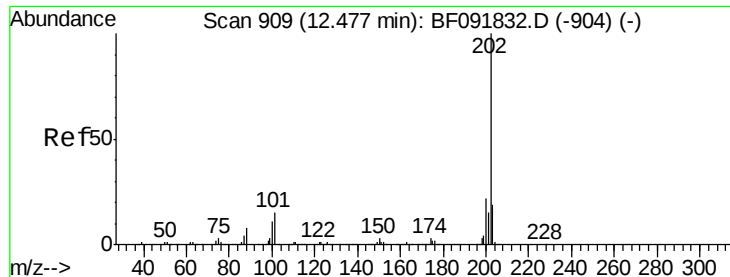


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

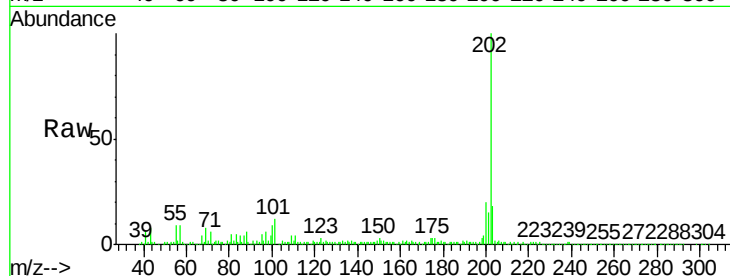




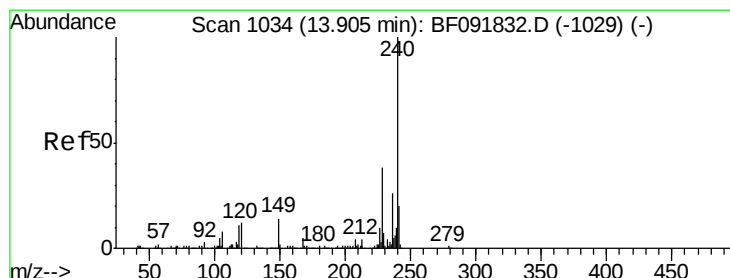
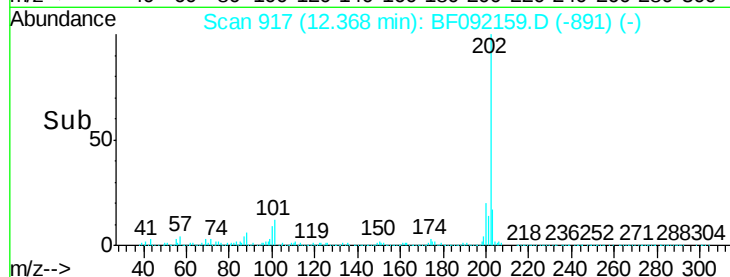
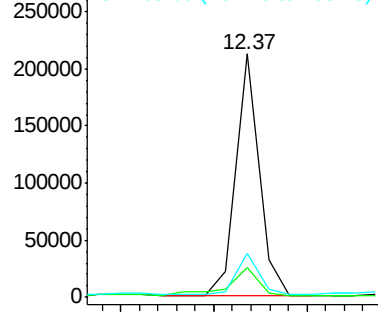
#74
 Fluoranthene
 Concen: 7.44 ng
 RT: 12.37 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF092159.D
 Acq: 10 Jan 2017 1:04

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP2

Tgt Ion:	202	Resp:	182114
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.6
203	18.1	0.0	38.7

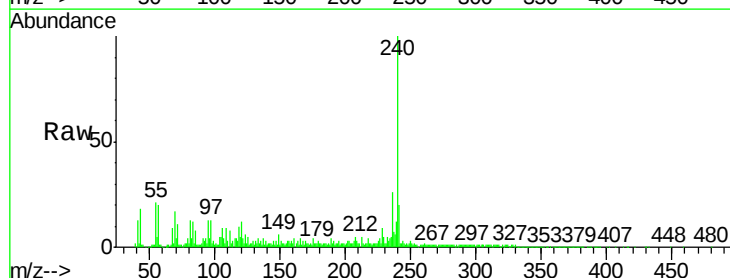


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

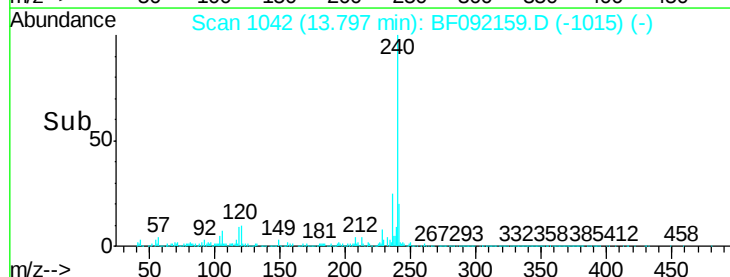
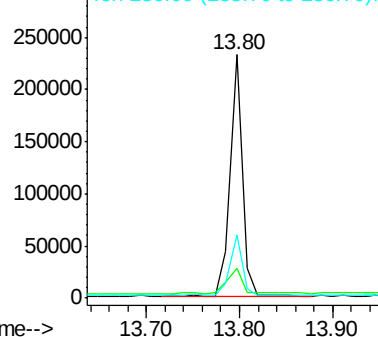


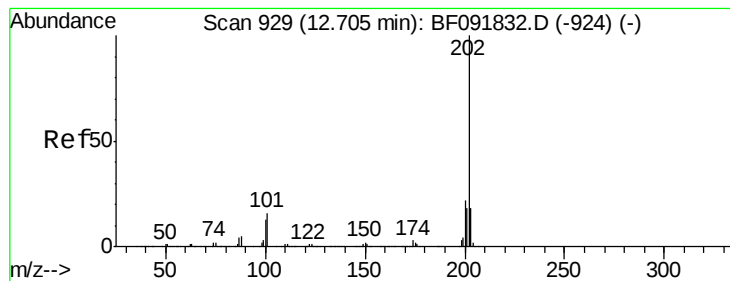
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.80 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BF092159.D
 Acq: 10 Jan 2017 1:04

Tgt Ion:	240	Resp:	210068
Ion	Ratio	Lower	Upper
240	100		
120	12.1	12.9	19.3#
236	26.0	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: 10.30 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

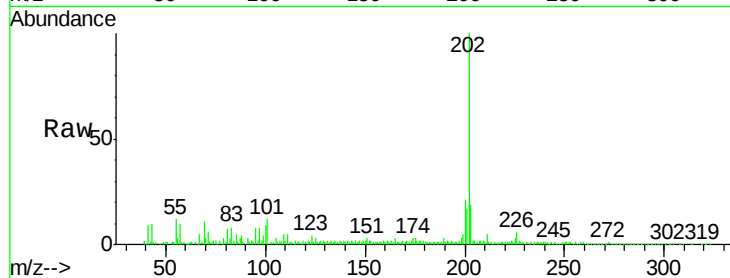
Tgt Ion:202 Resp: 158818

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

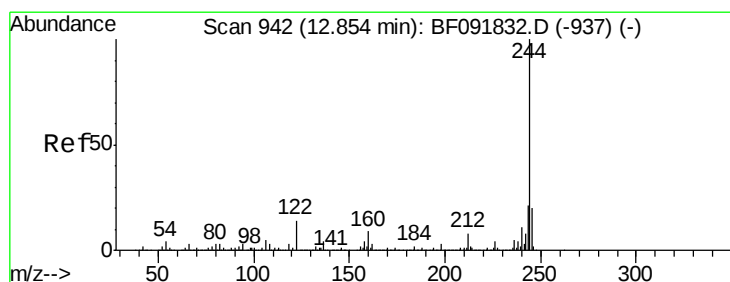
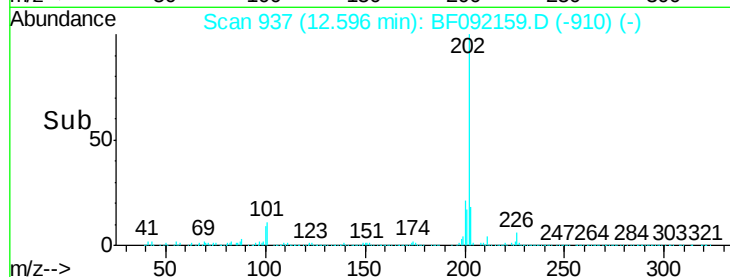
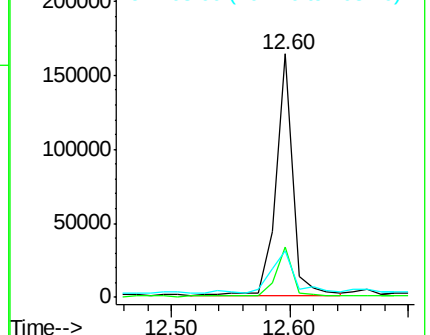
203 19.1 14.7 22.1



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: 39.62 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

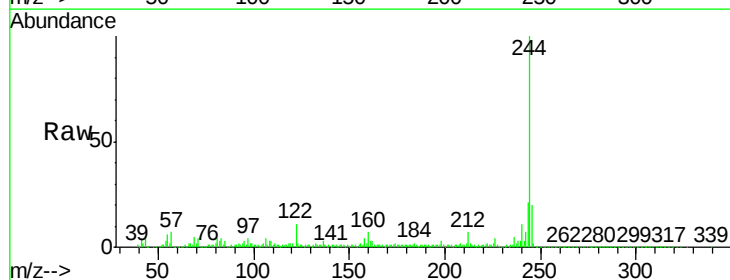
Tgt Ion:244 Resp: 343180

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

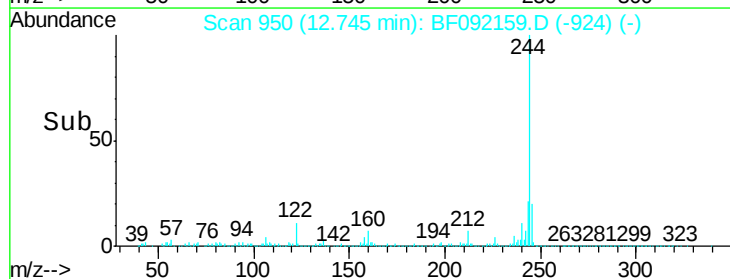
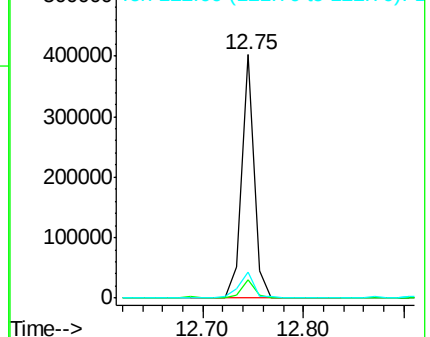
122 10.9 11.4 17.2#

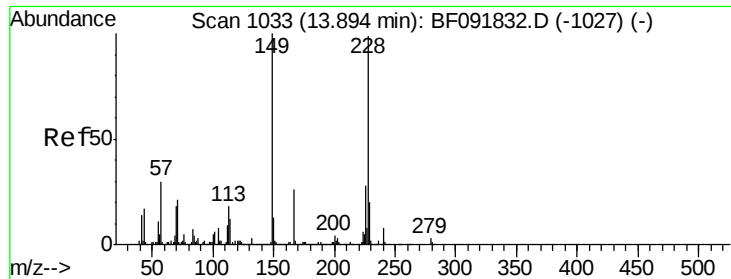


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.03 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

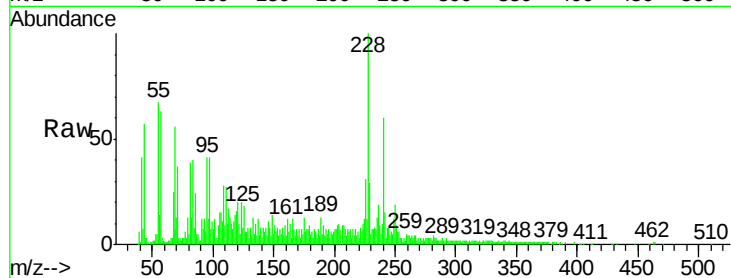
Tgt Ion:228 Resp: 95161

Ion Ratio Lower Upper

228 100

226 30.9 22.4 33.6

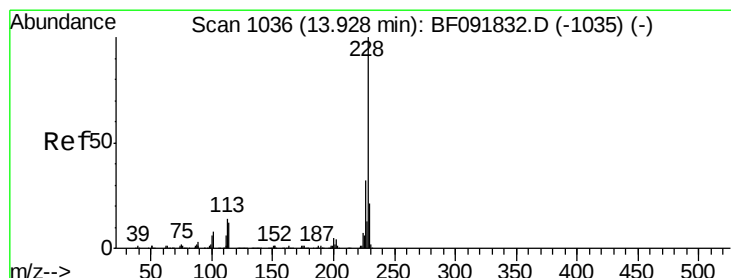
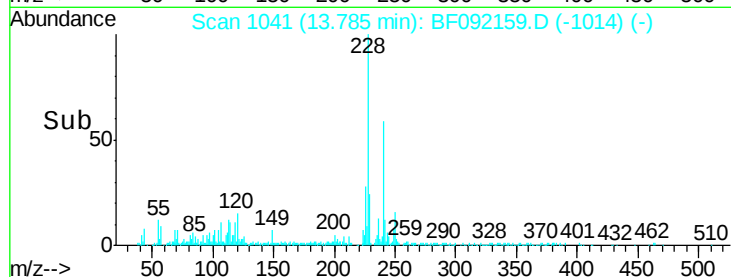
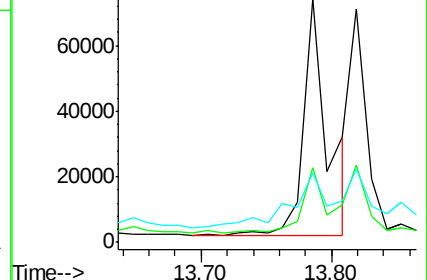
229 28.7 16.2 24.4#



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: 8.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

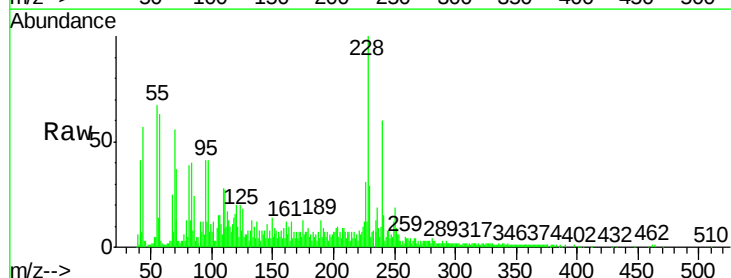
Tgt Ion:228 Resp: 95161

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

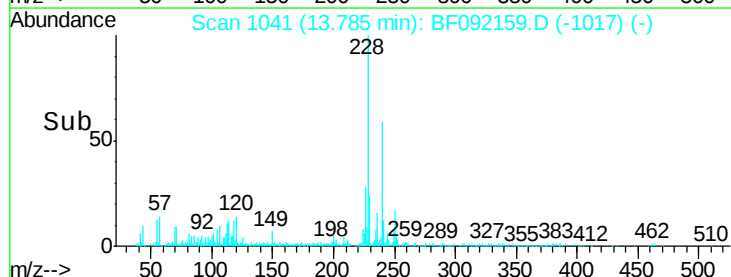
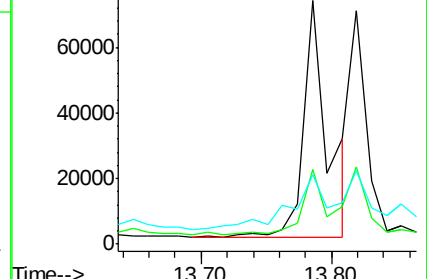
229 28.7 16.2 24.2#

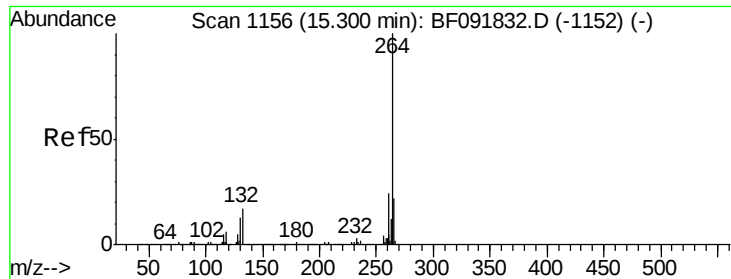


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



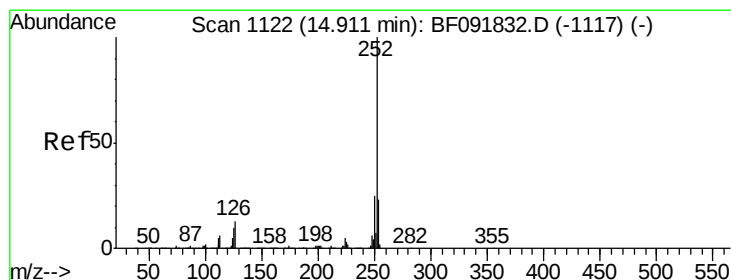
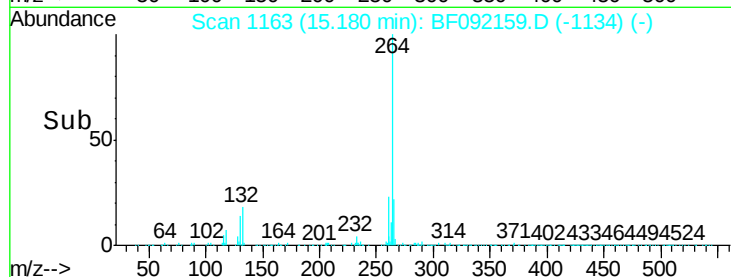
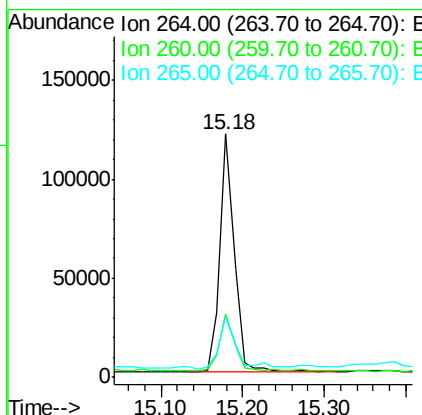
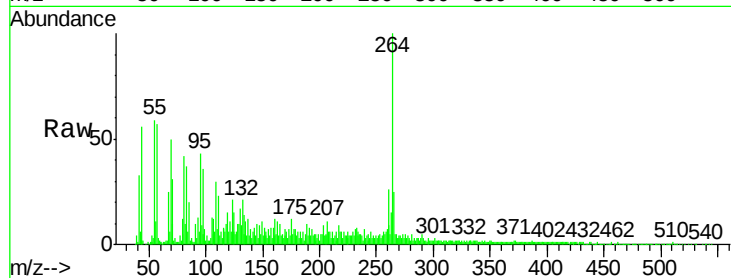


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092159.D
Acq: 10 Jan 2017 1:04

Instrument :
BNA_F
ClientSampleId :
RAP-SP2

Tgt Ion: 264 Resp: 148740

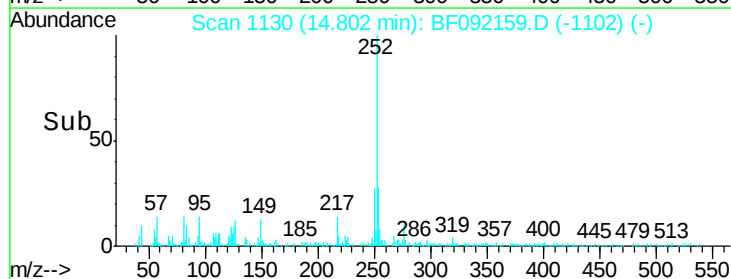
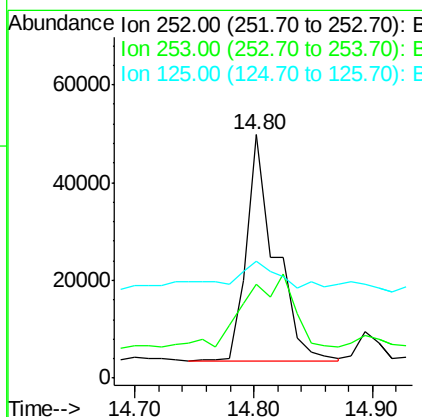
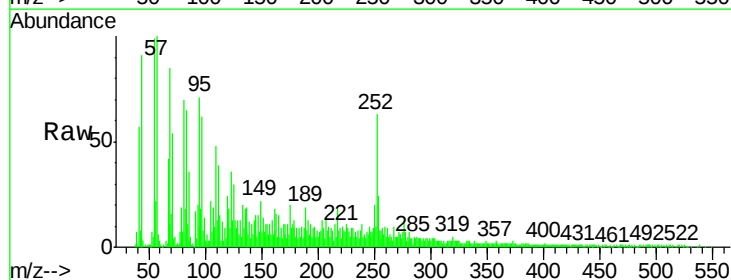
Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.2	28.8
265	25.0	17.4	26.0

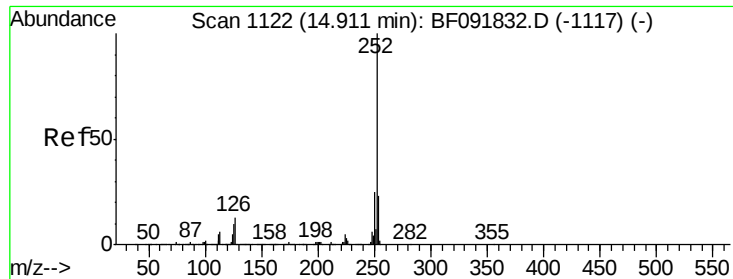


#87
Benzo(b)fluoranthene
Concen: 8.52 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092159.D
Acq: 10 Jan 2017 1:04

Tgt Ion: 252 Resp: 78897

Ion	Ratio	Lower	Upper
252	100		
253	38.7	18.2	27.4#
125	47.8	9.8	14.6#

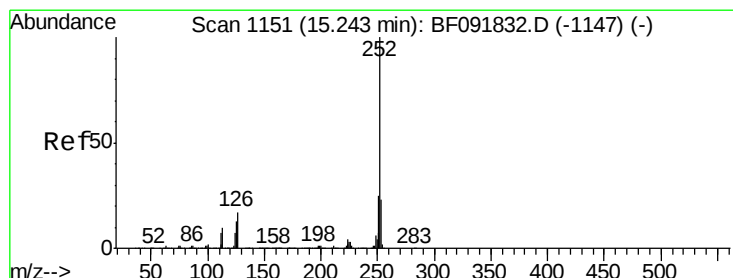
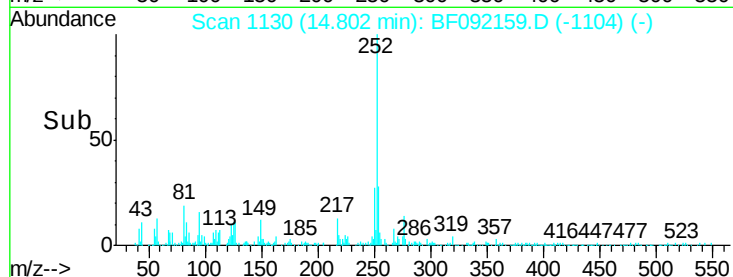
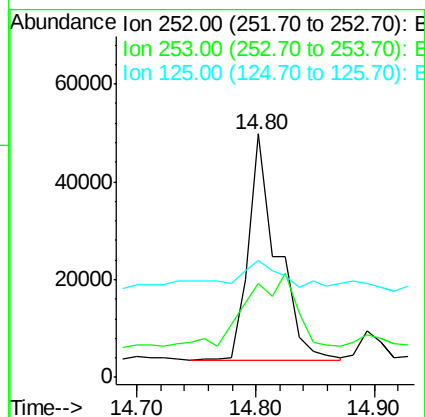
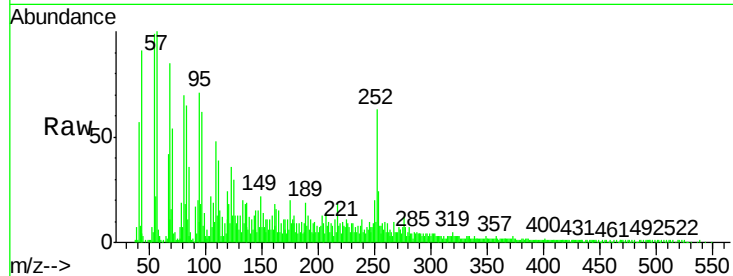




#88
Benzo(k)fluoranthene
Concen: 9.92 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092159.D
Acq: 10 Jan 2017 1:04

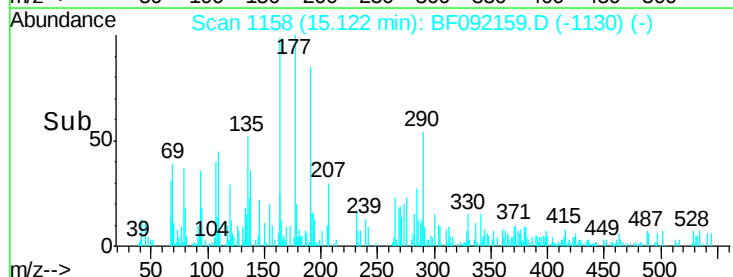
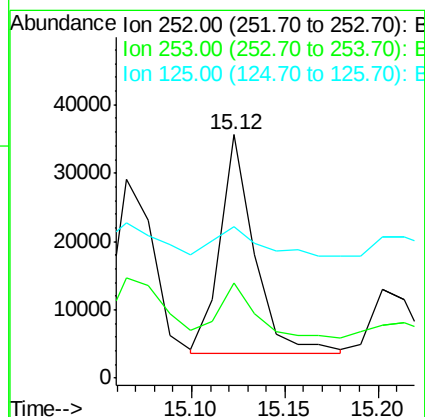
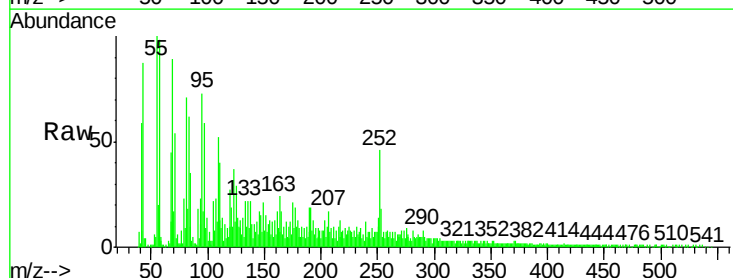
Instrument :
BNA_F
ClientSampleId :
RAP-SP2

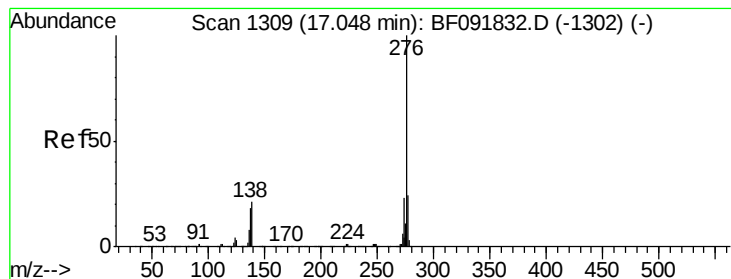
Tgt Ion:252 Resp: 78320
Ion Ratio Lower Upper
252 100
253 38.7 18.5 27.7#
125 47.8 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 5.03 ng
RT: 15.12 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF092159.D
Acq: 10 Jan 2017 1:04

Tgt Ion:252 Resp: 41350
Ion Ratio Lower Upper
252 100
253 39.1 18.2 27.2#
125 62.5 10.0 15.0#





#91

Benzo(g,h,i)perylene

Concen: 2.42 ng

RT: 16.86 min Scan# 1310

Delta R.T. 0.06 min

Lab File: BF092159.D

Acq: 10 Jan 2017 1:04

Instrument :

BNA_F

ClientSampleId :

RAP-SP2

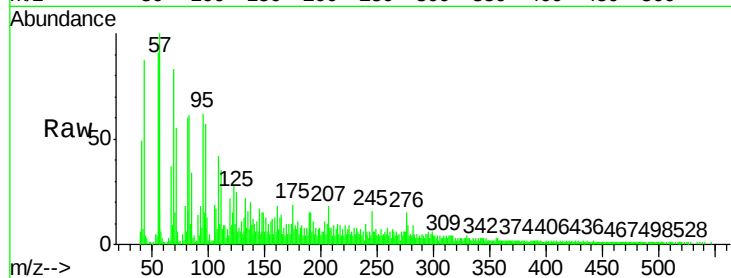
Tgt Ion: 276 Resp: 17023

Ion Ratio Lower Upper

276 100

277 57.5 19.2 28.8#

138 55.6 16.0 24.0#



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

