

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092157.D
 Acq On : 10 Jan 2017 00:10
 Operator : UM/SJ
 Sample : I1045-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP2

Quant Time: Jan 10 03:33:45 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	135533	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	470130	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	219622	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	388479	20.00	ng	0.00
75) Chrysene-d12	13.80	240	241820	20.00	ng	0.01
86) Perylene-d12	15.17	264	174464	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	314317	38.72	ng	0.01
7) Phenol-d6	6.31	99	625861	63.15	ng	0.00
23) Nitrobenzene-d5	7.20	82	338634	40.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	37921	20.86	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	619778	52.96	ng	0.00
78) Terphenyl-d14	12.75	244	494439	49.59	ng	0.00

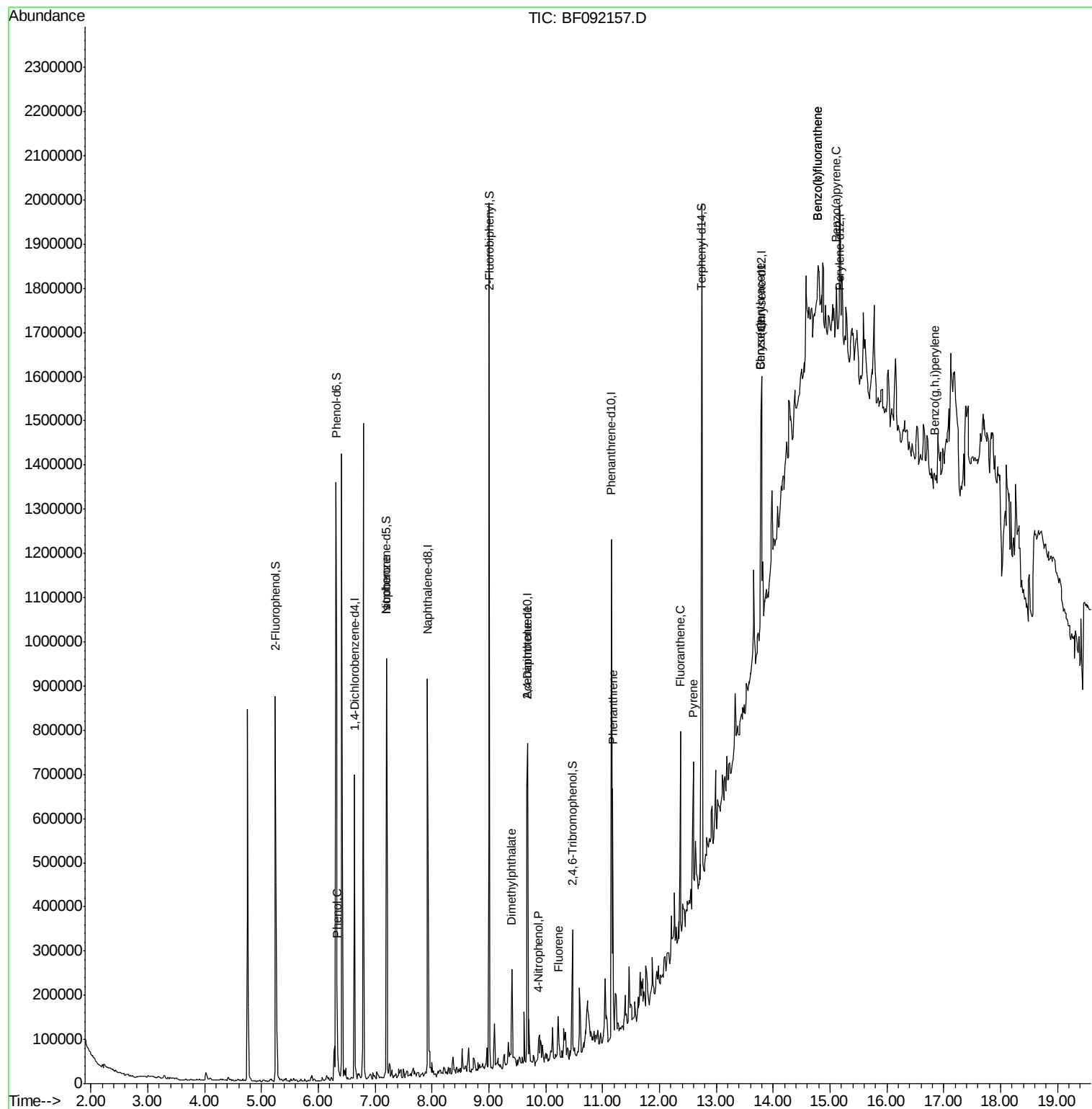
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.18	77	777	Below Cal	#	21
10) Phenol	6.33	94	31772	2.81 ng	#	74
25) Isophorone	7.20	82	326484	20.93 ng	#	65
49) Dimethylphthalate	9.41	163	83820	5.97 ng		100
55) 4-Nitrophenol	9.88	139	8961	3.47 ng	#	14
56) 2,4-Dinitrotoluene	9.68	165	30961	8.02 ng	#	19
57) Fluorene	10.22	166	25613	2.10 ng		96
70) Phenanthrene	11.18	178	191947	9.11 ng		97
73) Di-n-butylphthalate	11.73	149	5189	Below Cal	#	81
74) Fluoranthene	12.37	202	198286	7.55 ng		94
76) Benzydine	12.47	184	876	Below Cal	#	1
77) Pyrene	12.60	202	162793	9.18 ng		99
80) Benzo(a)anthracene	13.79	228	57687	4.23 ng	#	89
82) Chrysene	13.79	228	57687	4.21 ng	#	94
87) Benzo(b)fluoranthene	14.79	252	61027	5.62 ng	#	42
88) Benzo(k)fluoranthene	14.79	252	61027	6.59 ng	#	43
89) Benzo(a)pyrene	15.11	252	34038	3.53 ng	#	24
91) Benzo(g,h,i)perylene	16.85	276	18583	2.26 ng	#	49

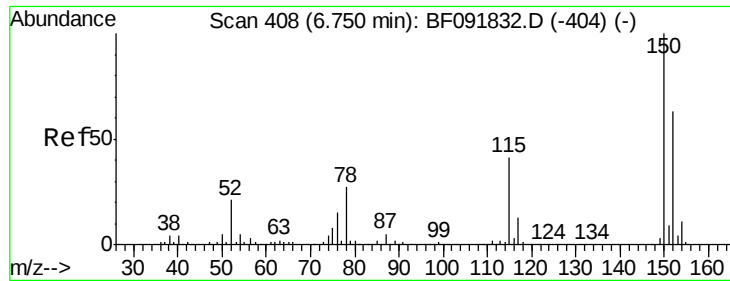
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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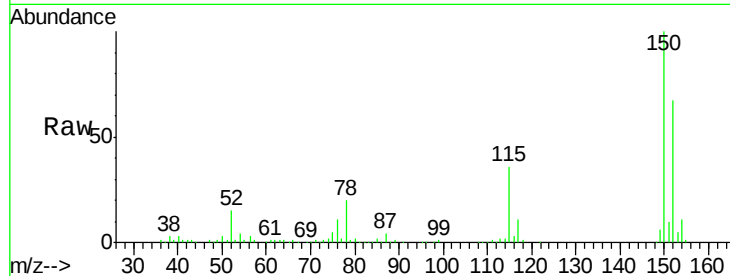


#1

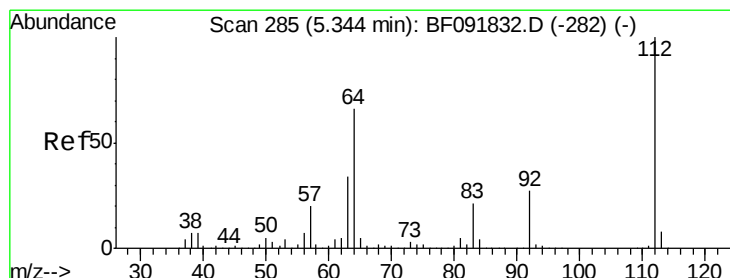
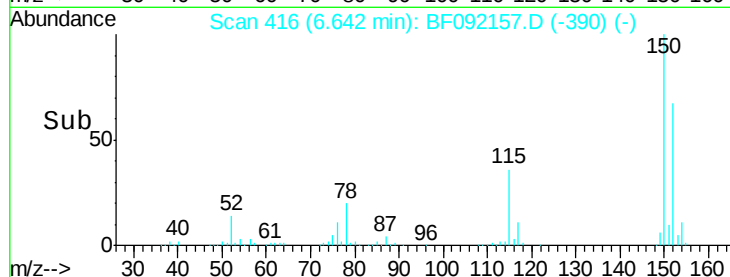
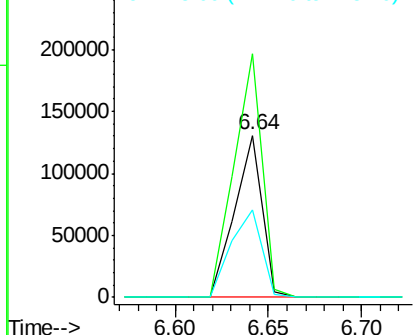
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF092157.D
 Acq: 10 Jan 2017 00:10

Instrument :
 BNA_F
 ClientSampled :
 P3-SP2

Tgt Ion:152 Resp: 135533
 Ion Ratio Lower Upper
 152 100
 150 150.0 124.9 187.3
 115 53.7 46.0 69.0



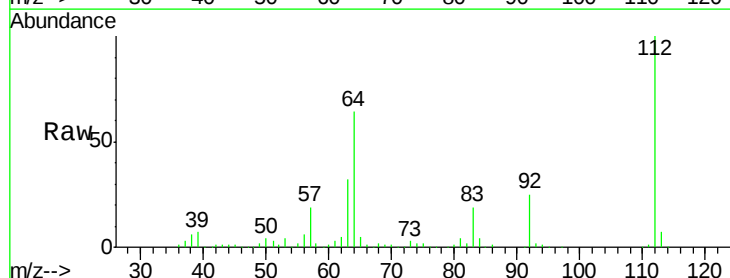
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



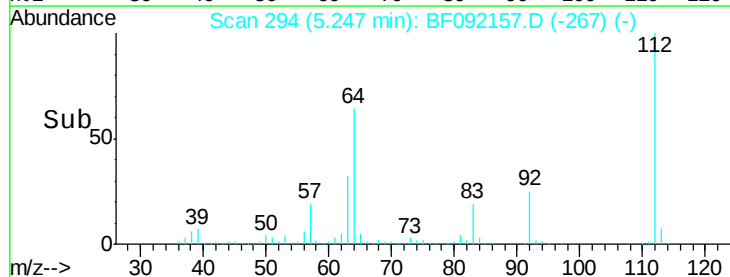
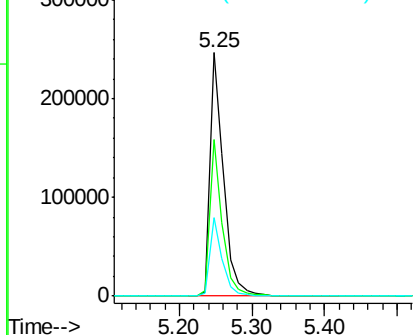
#5

2-Fluorophenol
 Concen: 38.72 ng
 RT: 5.25 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: BF092157.D
 Acq: 10 Jan 2017 00:10

Tgt Ion:112 Resp: 314317
 Ion Ratio Lower Upper
 112 100
 64 64.5 46.1 69.1
 63 32.0 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: 63.15 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

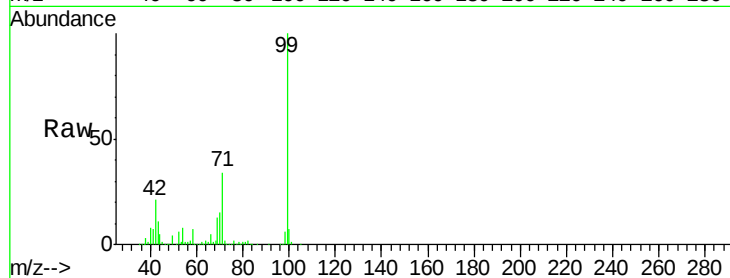
Tgt Ion: 99 Resp: 625861

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

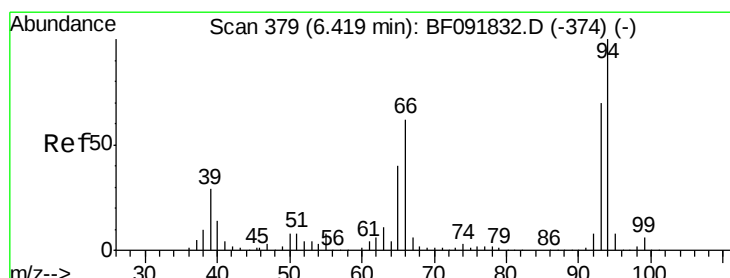
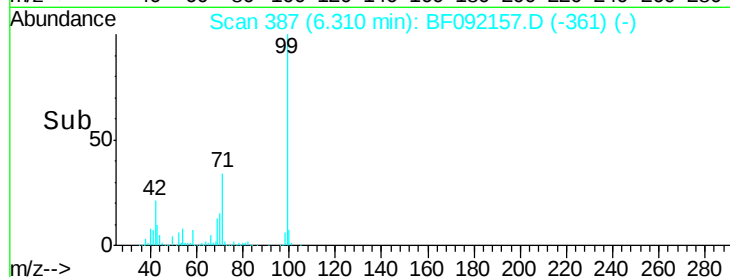
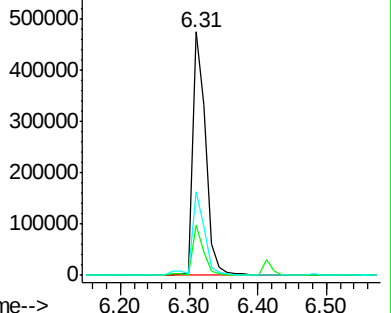
71 34.2 27.5 41.3



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: 2.81 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

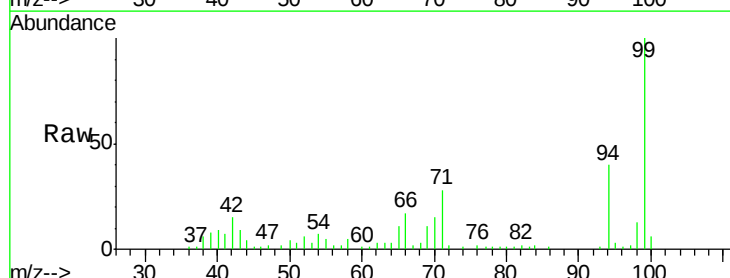
Tgt Ion: 94 Resp: 31772

Ion Ratio Lower Upper

94 100

65 26.9 21.4 61.4

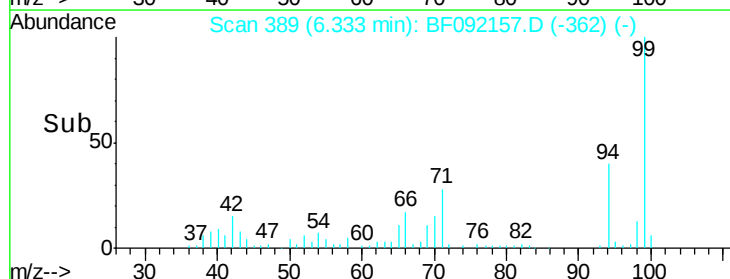
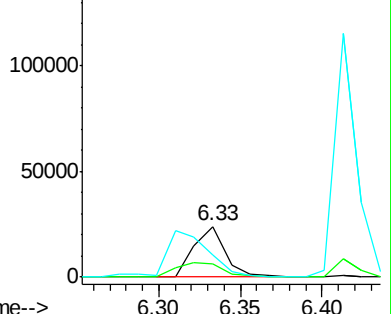
66 42.6 44.0 84.0#

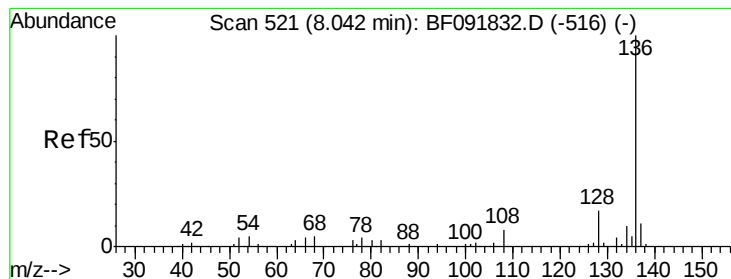


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

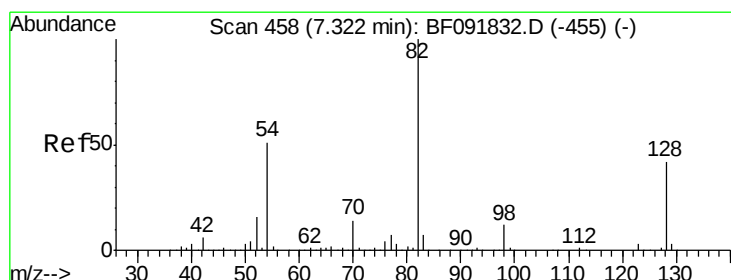
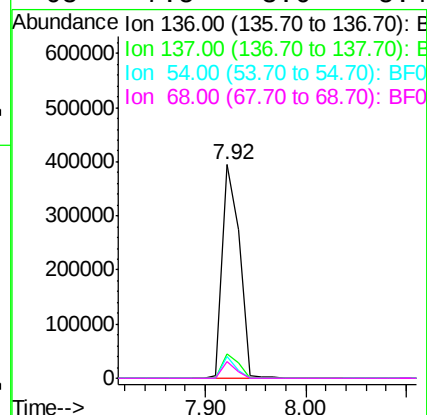
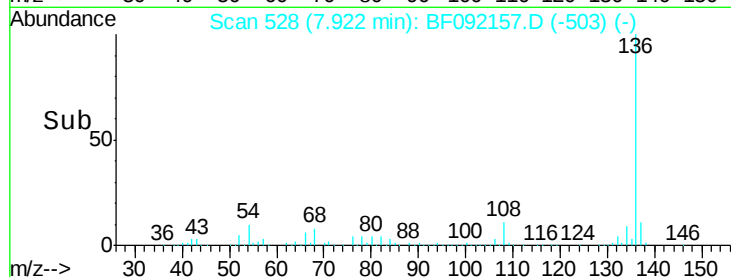
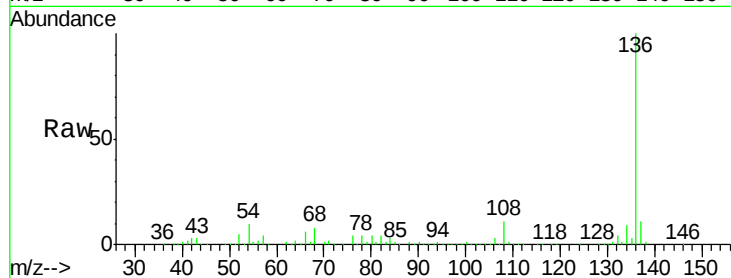




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092157.D
Acq: 10 Jan 2017 00:10

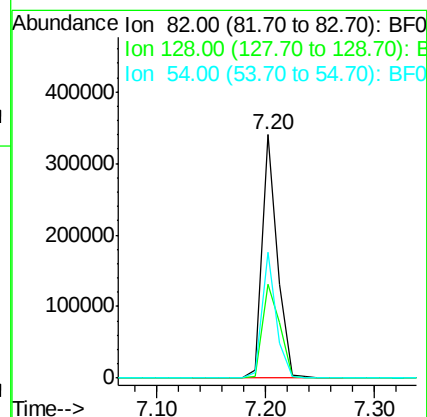
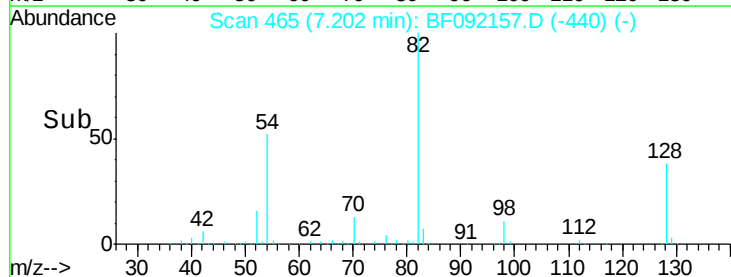
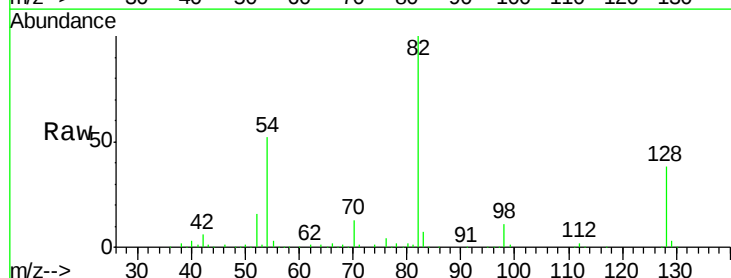
Instrument :
BNA_F
ClientSampleId :
P3-SP2

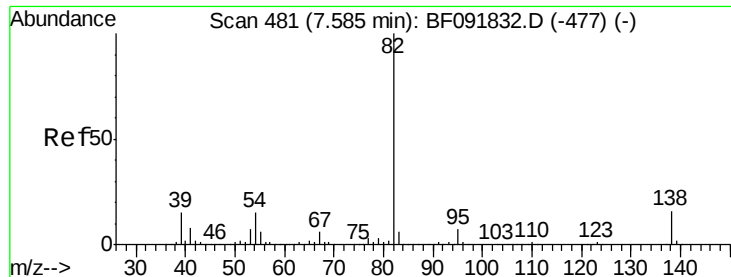
Tgt Ion:	136	Resp:	470130
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	10.2	4.5	6.7#
68	7.5	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 40.05 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092157.D
Acq: 10 Jan 2017 00:10

Tgt Ion:	82	Resp:	338634
Ion	Ratio	Lower	Upper
82	100		
128	38.4	34.6	52.0
54	51.6	39.5	59.3





#25

Isophorone

Concen: 20.93 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.27 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

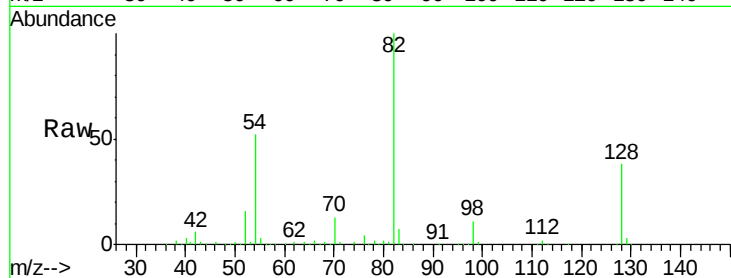
Tgt Ion: 82 Resp: 326484

Ion Ratio Lower Upper

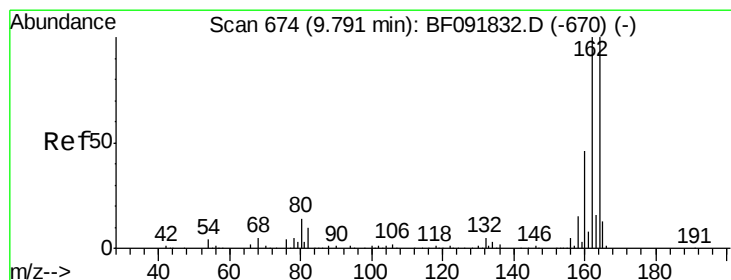
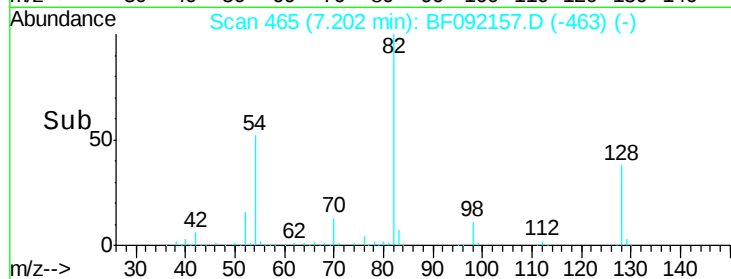
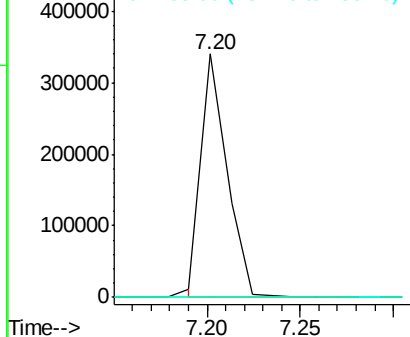
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

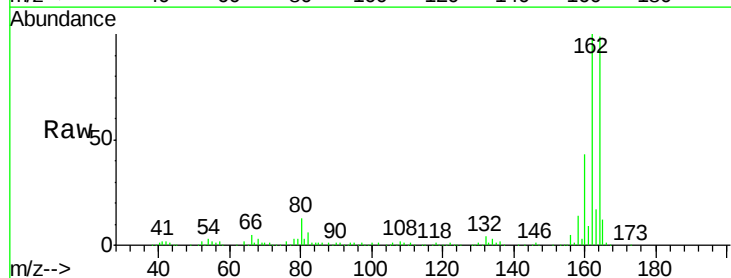
Tgt Ion: 164 Resp: 219622

Ion Ratio Lower Upper

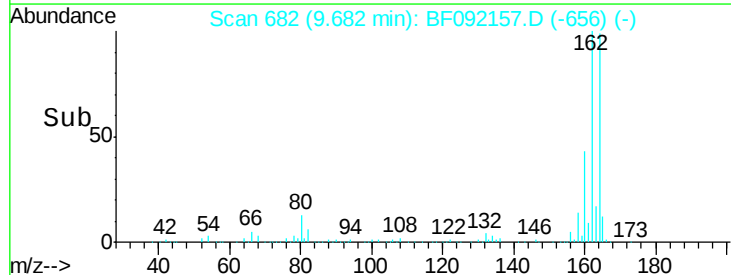
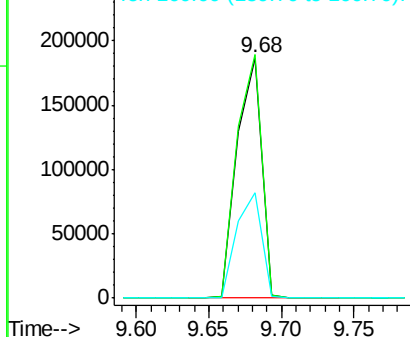
164 100

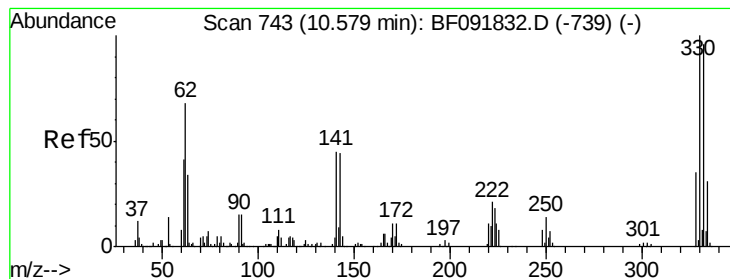
162 101.3 80.2 120.2

160 44.0 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

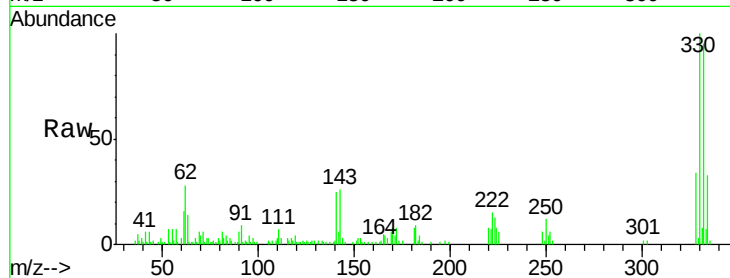




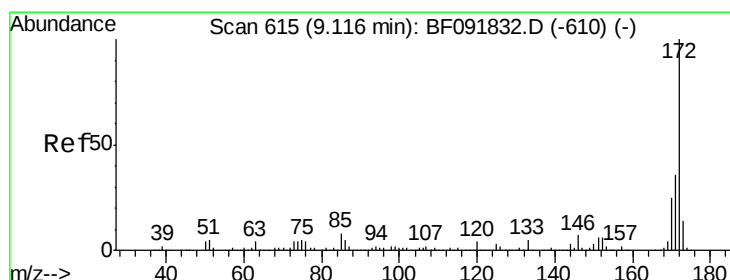
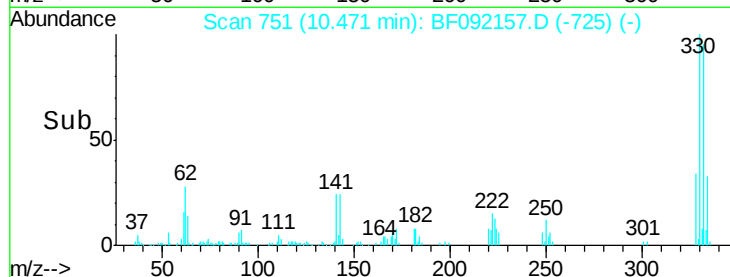
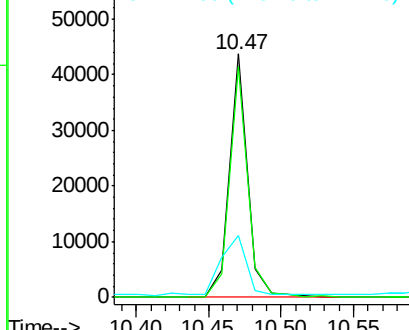
#41
 2,4,6-Tribromophenol
 Concen: 20.86 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092157.D
 Acq: 10 Jan 2017 00:10

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP2

Tgt Ion: 330 Resp: 37921
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 37.2 34.1 51.1

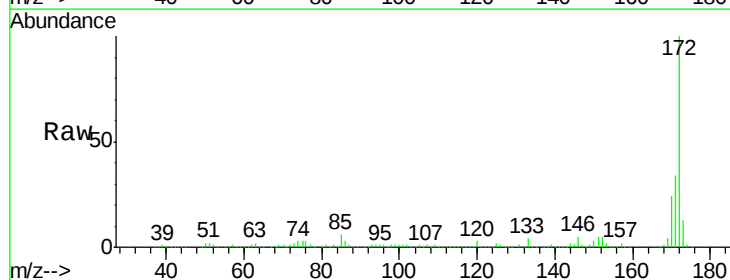


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

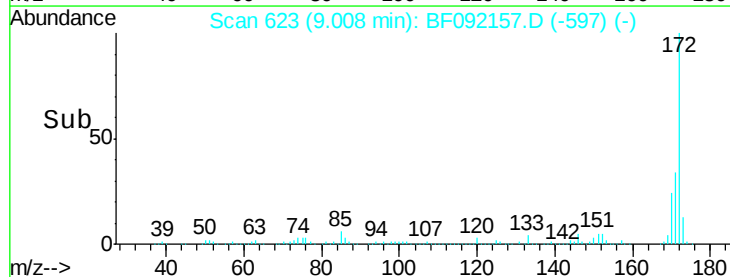
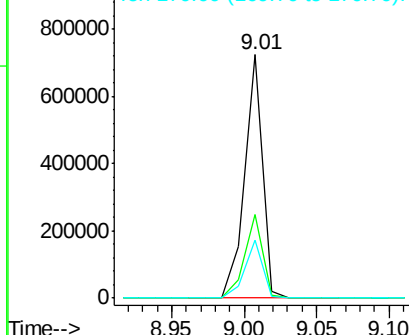


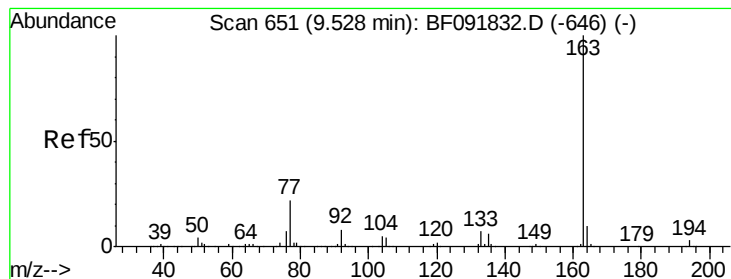
#44
 2-Fluorobiphenyl
 Concen: 52.96 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092157.D
 Acq: 10 Jan 2017 00:10

Tgt Ion: 172 Resp: 619778
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.4 44.0
 170 23.7 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: 5.97 ng

RT: 9.41 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

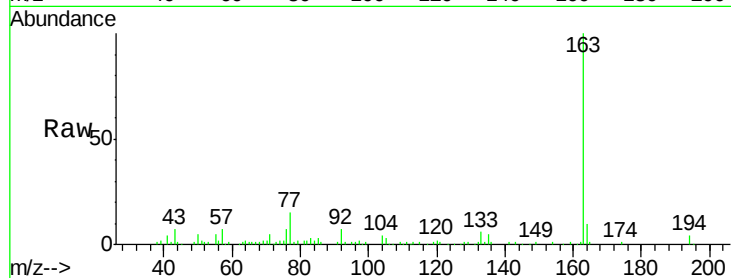
Tgt Ion:163 Resp: 83820

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

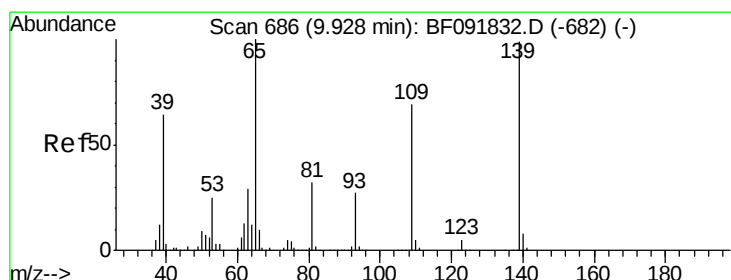
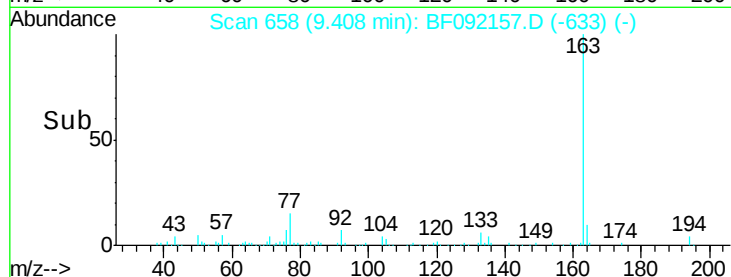
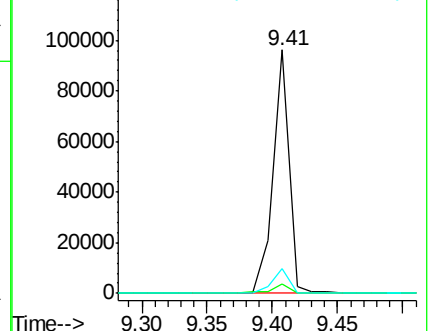
164 10.2 8.0 12.0



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



#55

4-Nitrophenol

Concen: 3.47 ng

RT: 9.88 min Scan# 699

Delta R.T. 0.05 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

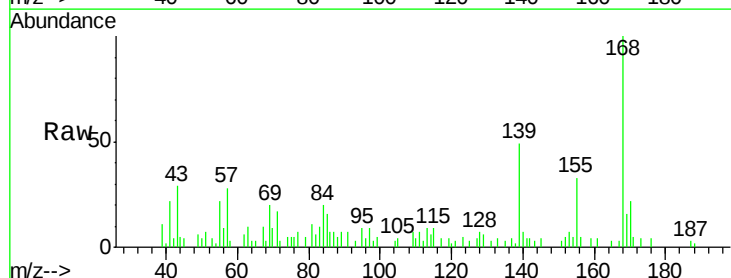
Tgt Ion:139 Resp: 8961

Ion Ratio Lower Upper

139 100

109 14.0 52.2 92.2#

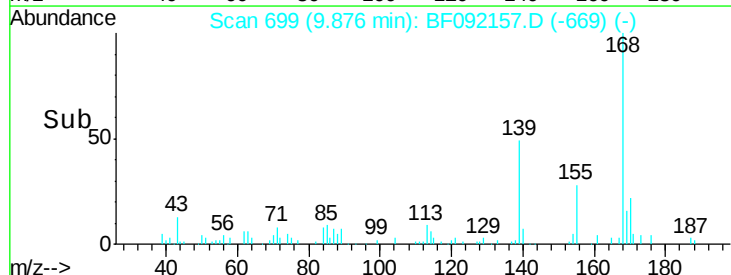
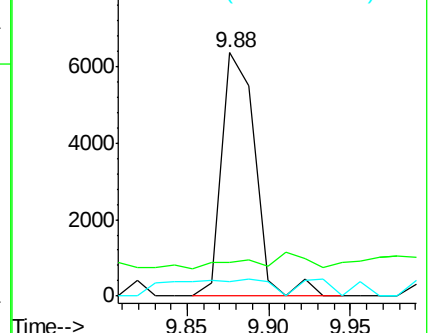
65 6.1 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

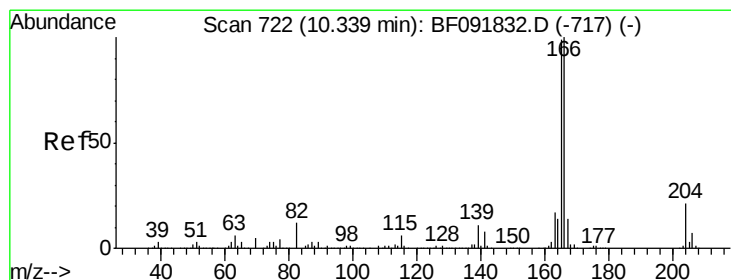
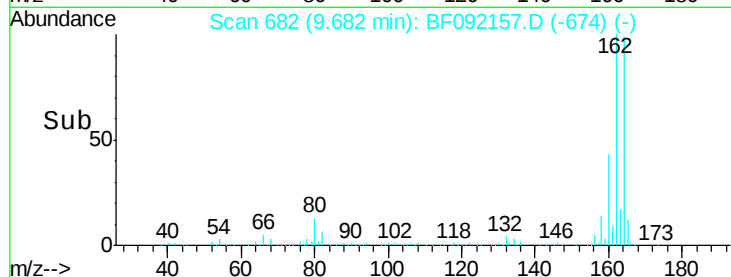
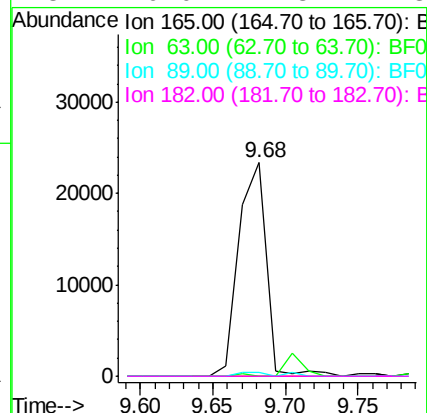
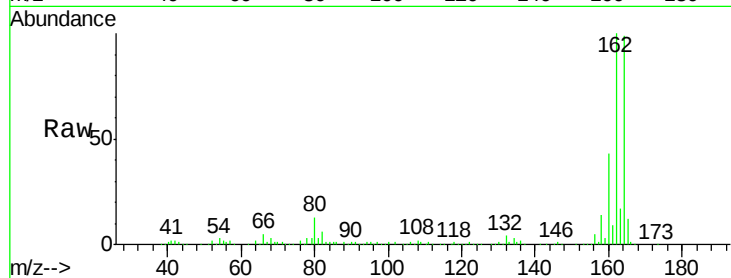




#56
2,4-Dinitrotoluene
Concen: 8.02 ng
RT: 9.68 min Scan# 682
Delta R.T. -0.21 min
Lab File: BF092157.D
Acq: 10 Jan 2017 00:10

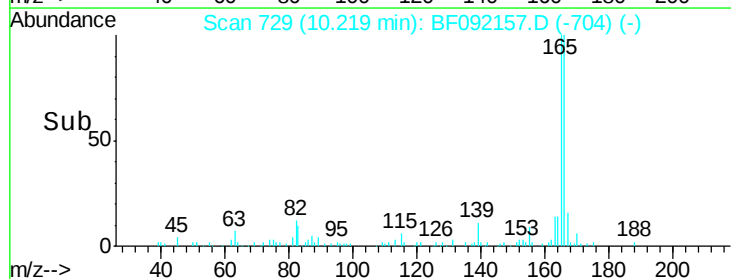
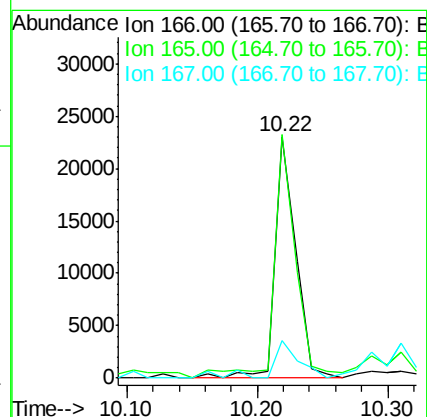
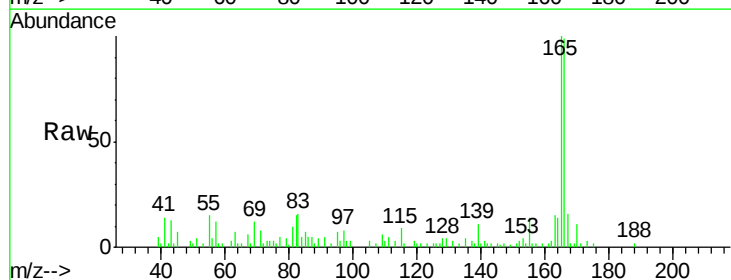
Instrument :
BNA_F
ClientSampleId :
P3-SP2

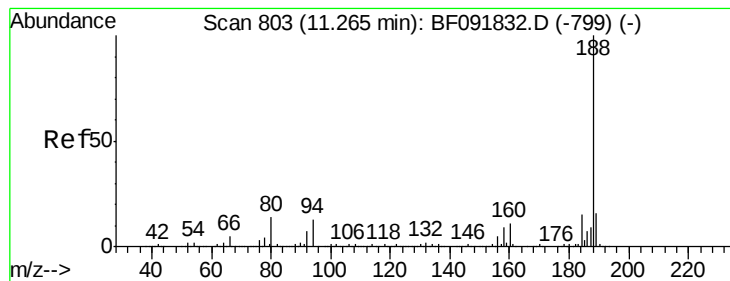
Tgt Ion:	165	Resp:	30961
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.8	62.5	93.7#
182	0.0	1.8	2.8#



#57
Fluorene
Concen: 2.10 ng
RT: 10.22 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF092157.D
Acq: 10 Jan 2017 00:10

Tgt Ion:	166	Resp:	25613
Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.8
167	15.8	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

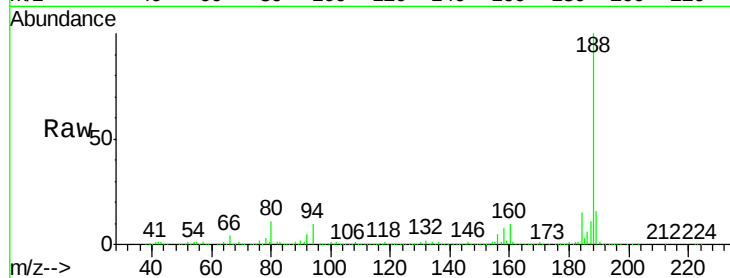
Tgt Ion:188 Resp: 388479

Ion Ratio Lower Upper

188 100

94 9.8 10.0 15.0#

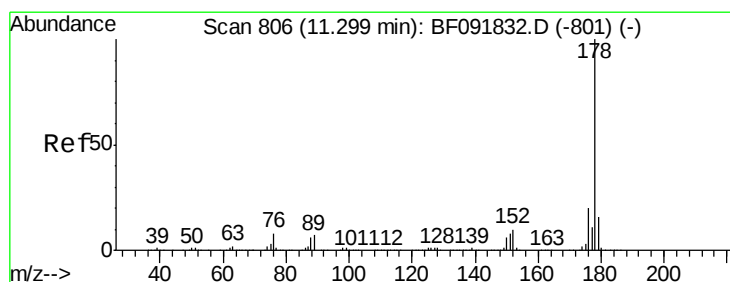
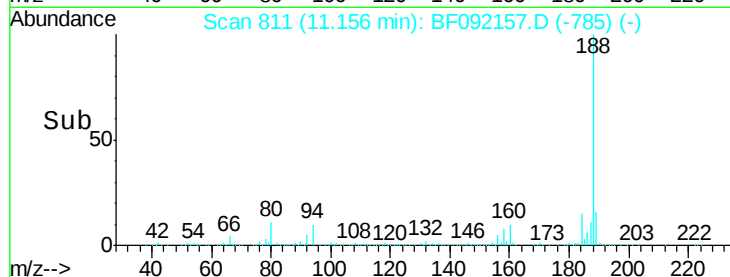
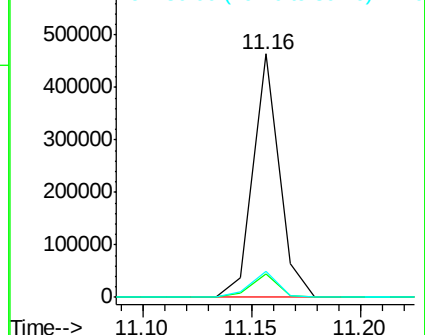
80 10.6 11.2 16.8#



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: 9.11 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

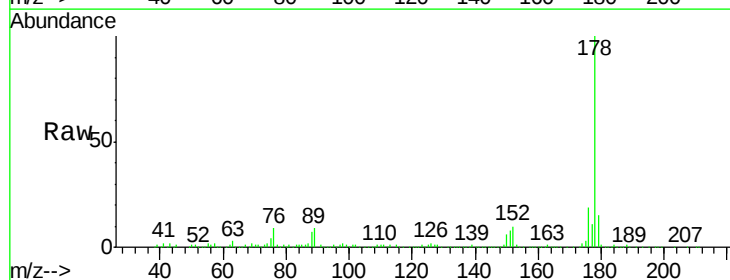
Tgt Ion:178 Resp: 191947

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

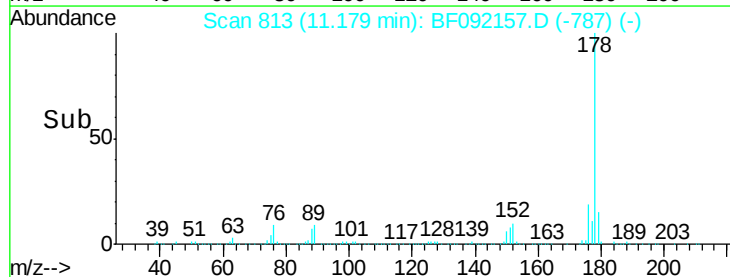
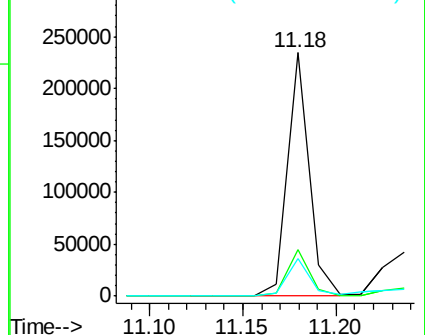
179 15.4 12.8 19.2

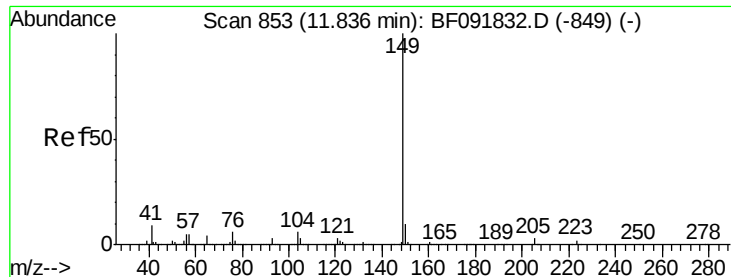


Abundance Ion 178.00 (177.70 to 178.70): E

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: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

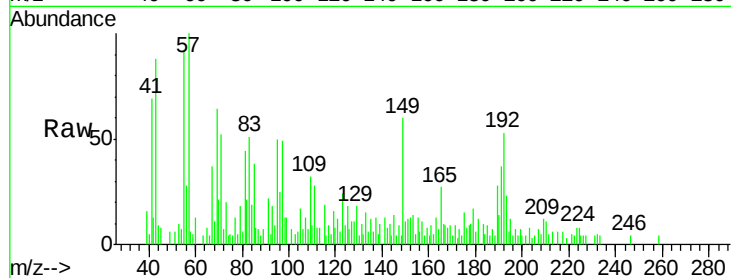
Tgt Ion:149 Resp: 5189

Ion Ratio Lower Upper

149 100

150 18.2 8.1 12.1#

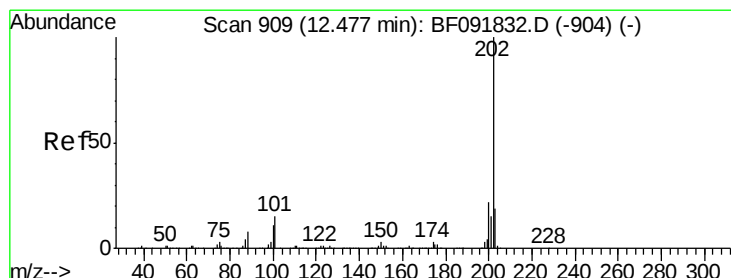
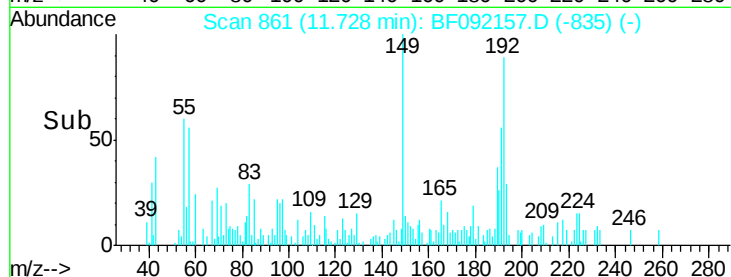
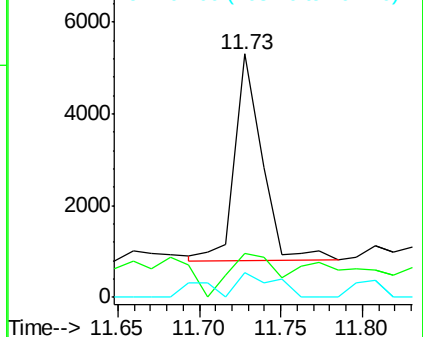
104 10.4 4.6 7.0#



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: 7.55 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

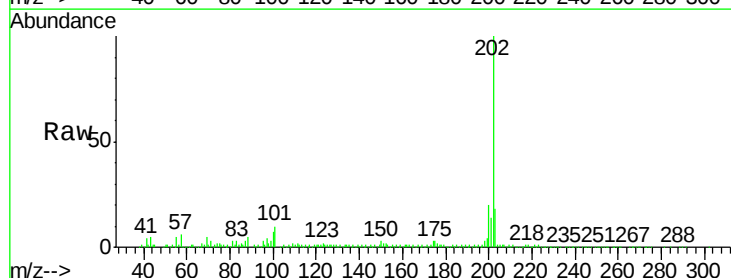
Tgt Ion:202 Resp: 198286

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.6

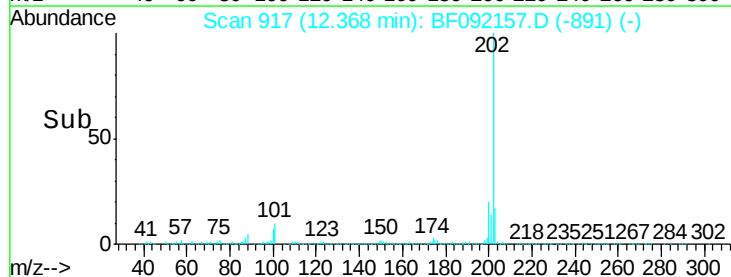
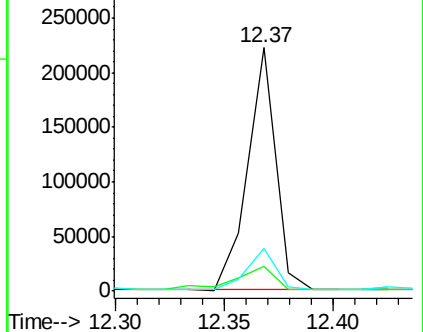
203 17.7 0.0 38.7

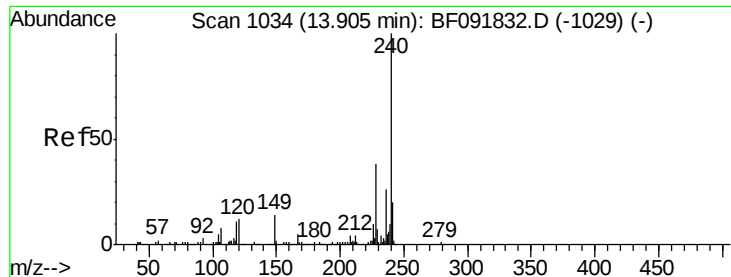


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

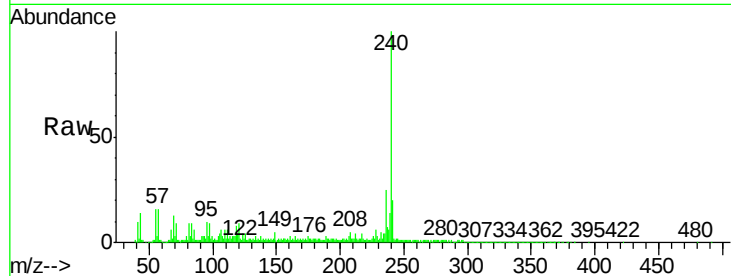
Tgt Ion:240 Resp: 241820

Ion Ratio Lower Upper

240 100

120 8.9 12.9 19.3#

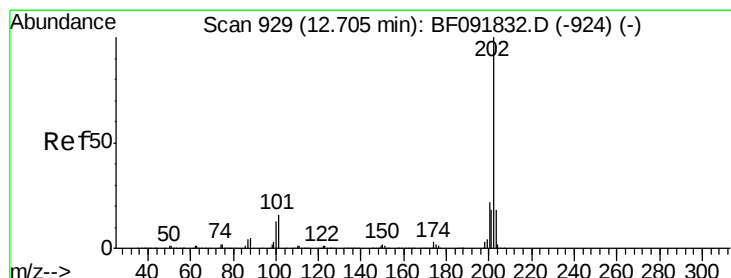
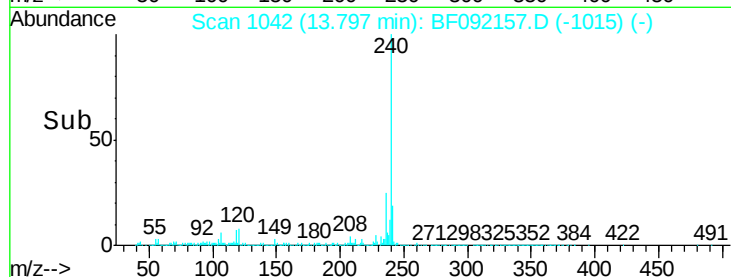
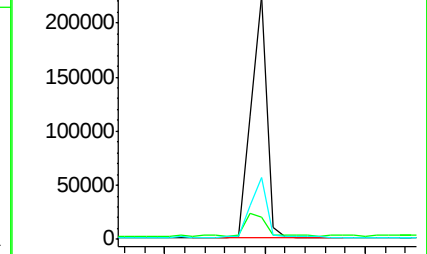
236 25.3 20.9 31.3



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: 9.18 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

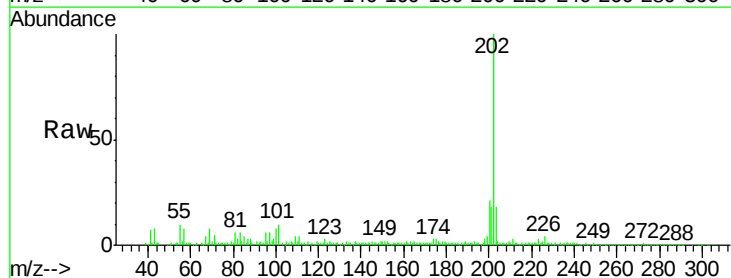
Tgt Ion:202 Resp: 162793

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

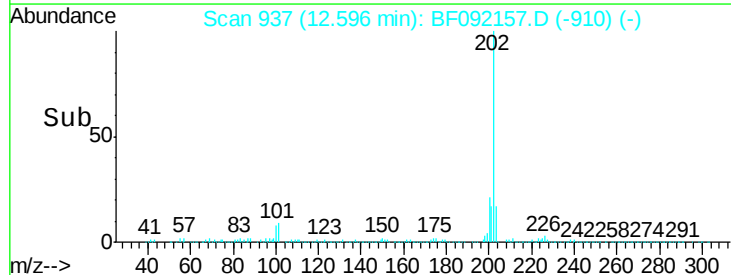
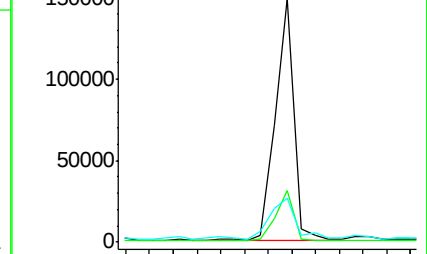
203 18.1 14.7 22.1

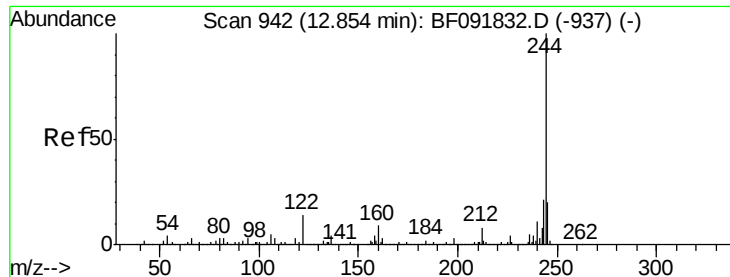


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.59 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

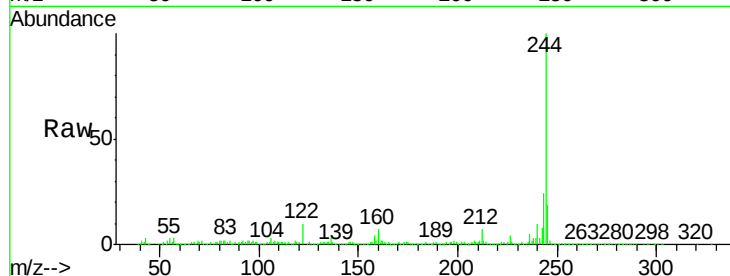
Tgt Ion:244 Resp: 494439

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

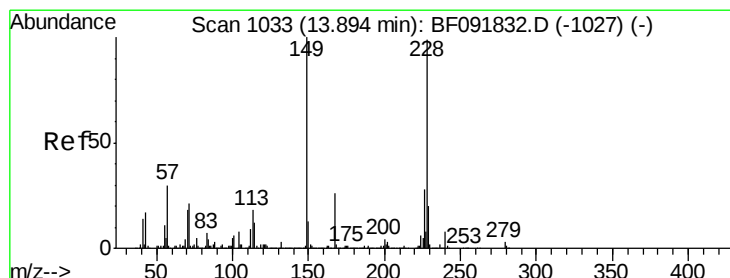
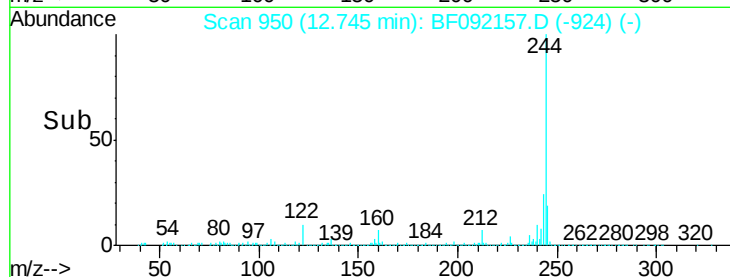
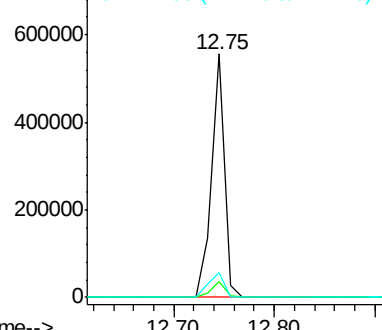
122 10.1 11.4 17.2#



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: 4.23 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

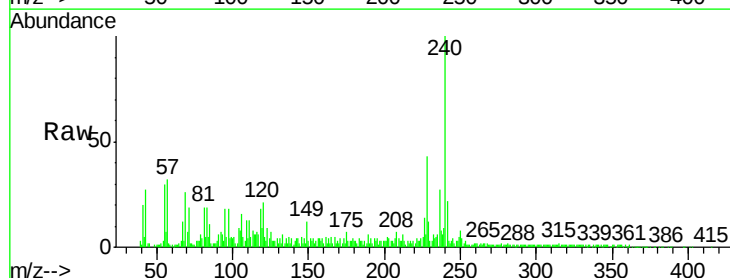
Tgt Ion:228 Resp: 57687

Ion Ratio Lower Upper

228 100

226 32.0 22.4 33.6

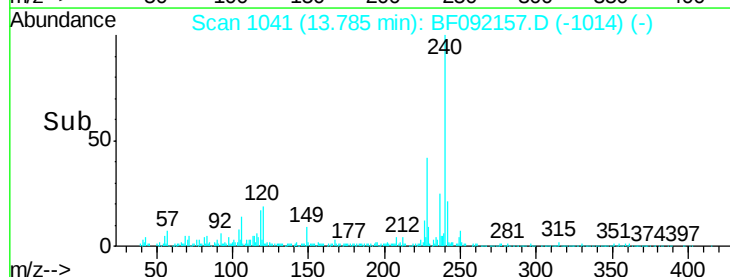
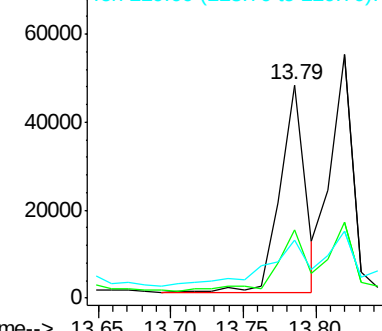
229 27.3 16.2 24.4#

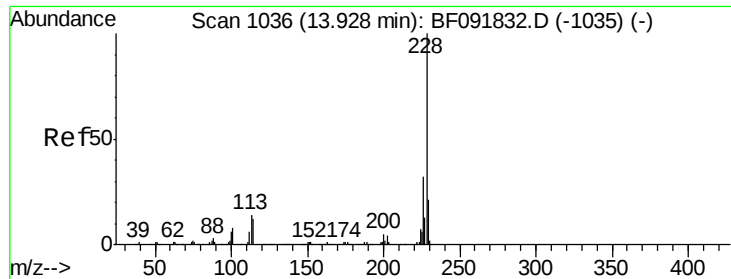


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

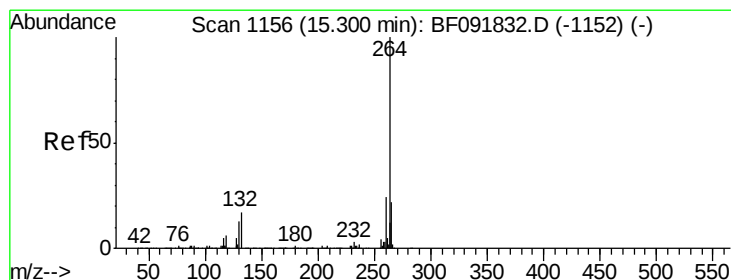
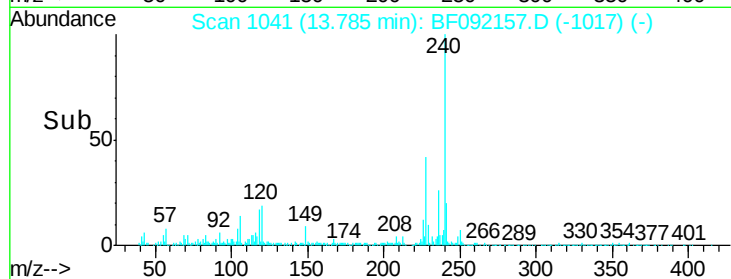
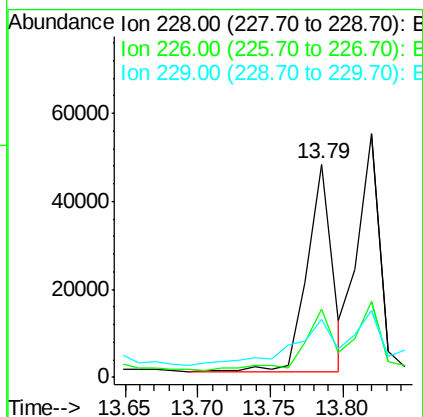
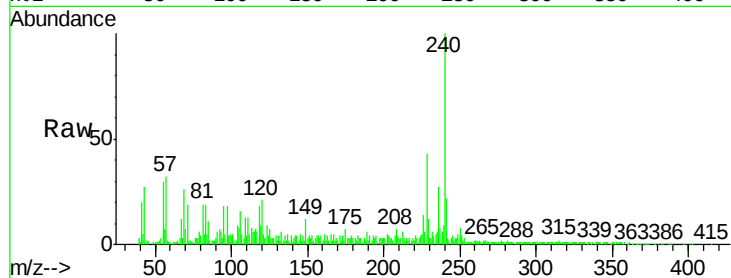




#82
Chrysene
Concen: 4.21 ng
RT: 13.79 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF092157.D
Acq: 10 Jan 2017 00:10

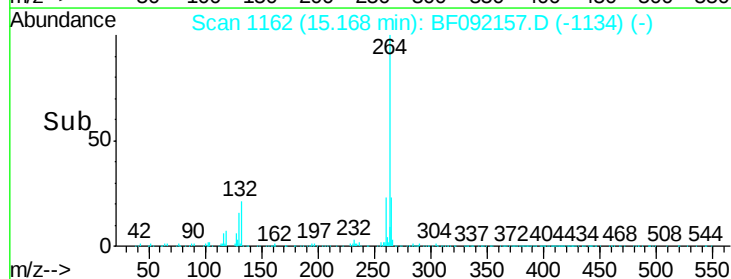
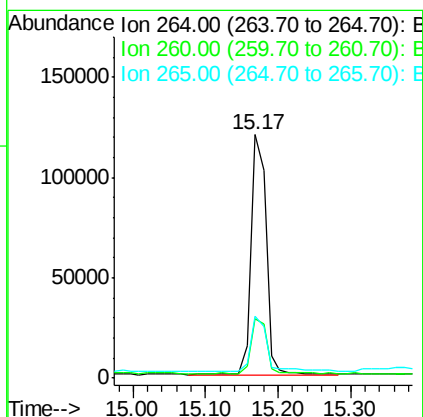
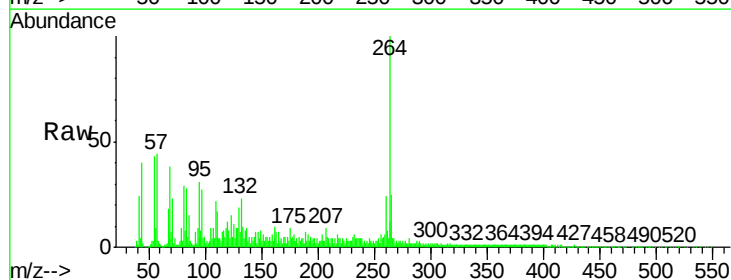
Instrument :
BNA_F
ClientSampleId :
P3-SP2

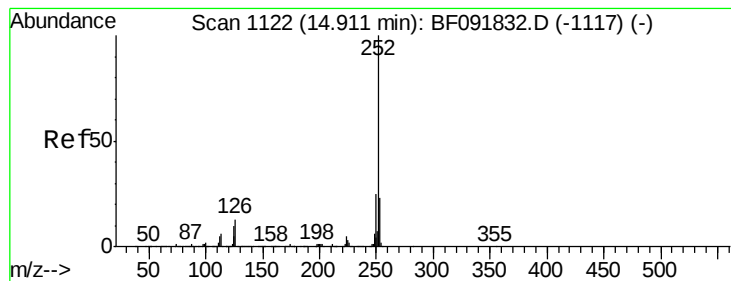
Tgt Ion: 228 Resp: 57687
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.0
229 27.3 16.2 24.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1162
Delta R.T. 0.02 min
Lab File: BF092157.D
Acq: 10 Jan 2017 00:10

Tgt Ion: 264 Resp: 174464
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 25.3 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 5.62 ng

RT: 14.79 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

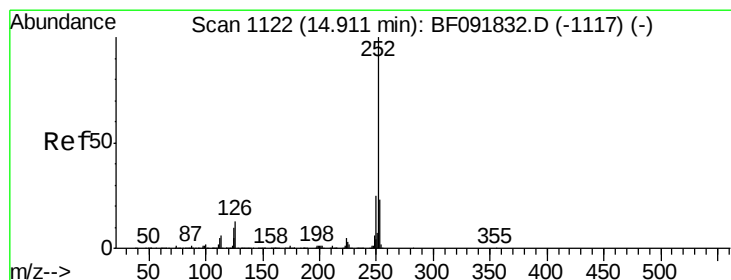
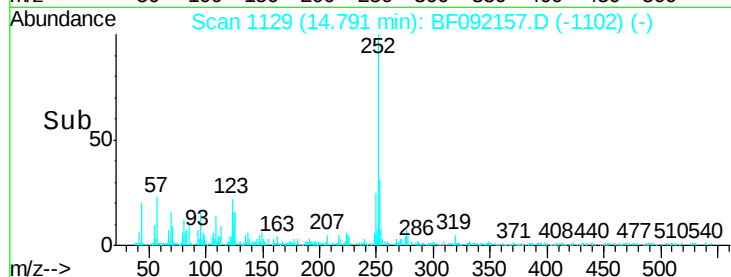
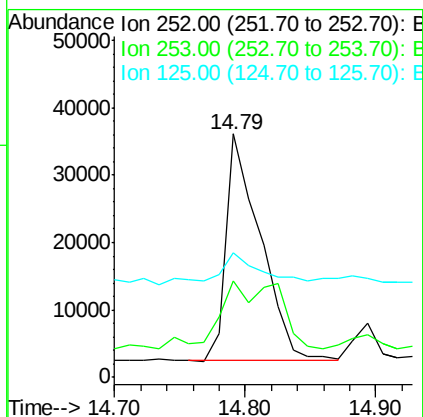
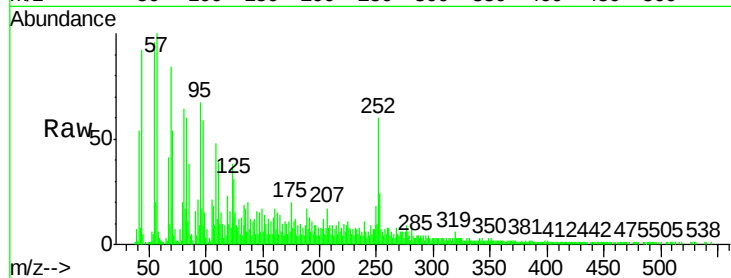
Tgt Ion:252 Resp: 61027

Ion Ratio Lower Upper

252 100

253 39.8 18.2 27.4#

125 51.1 9.8 14.6#



#88

Benzo(k)fluoranthene

Concen: 6.59 ng

RT: 14.79 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

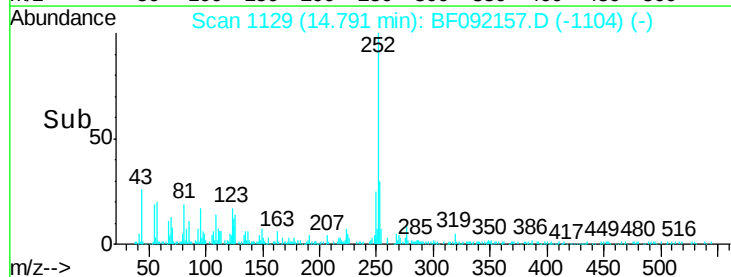
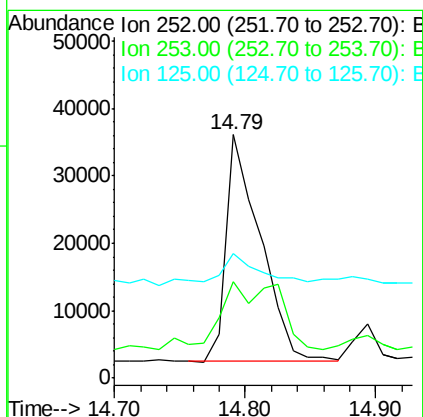
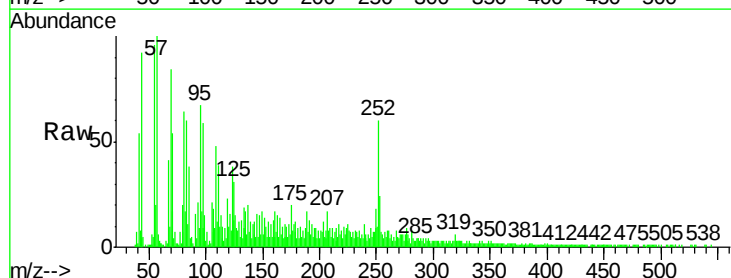
Tgt Ion:252 Resp: 61027

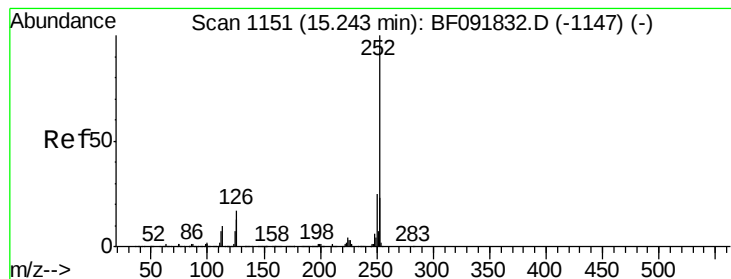
Ion Ratio Lower Upper

252 100

253 39.8 18.5 27.7#

125 51.1 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 3.53 ng

RT: 15.11 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

P3-SP2

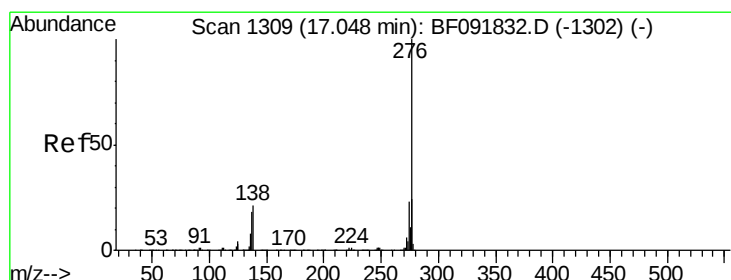
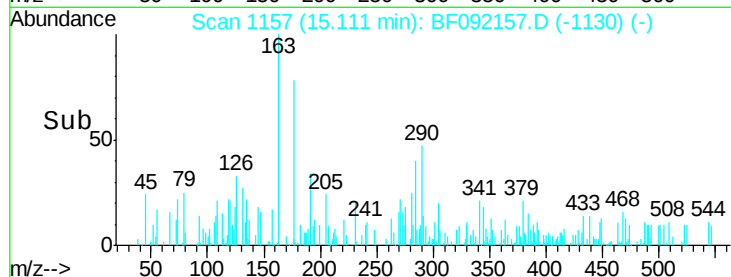
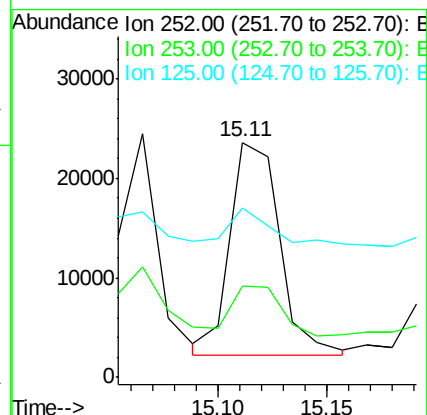
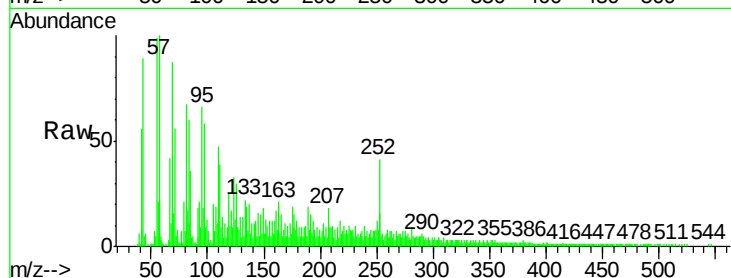
Tgt Ion: 252 Resp: 34038

Ion Ratio Lower Upper

252 100

253 39.1 18.2 27.2#

125 72.2 10.0 15.0#



#91

Benzo(g,h,i)perylene

Concen: 2.26 ng

RT: 16.85 min Scan# 1309

Delta R.T. 0.05 min

Lab File: BF092157.D

Acq: 10 Jan 2017 00:10

Tgt Ion: 276 Resp: 18583

Ion Ratio Lower Upper

276 100

277 47.8 19.2 28.8#

138 44.7 16.0 24.0#

