

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011017\
 Data File : BF092182.D
 Acq On : 10 Jan 2017 15:21
 Operator : UM/SJ
 Sample : I1057-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

Quant Time: Jan 10 23:30:16 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	6.63	152	149581	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	630067	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	266798	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	403197	20.00	ng	0.00
75) Chrysene-d12	13.80	240	238807	20.00	ng	0.01
86) Perylene-d12	15.18	264	164257	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	1088201	121.47	ng	0.00
7) Phenol-d6	6.31	99	1353916	123.79	ng	0.00
23) Nitrobenzene-d5	7.20	82	687997	60.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	152287	68.97	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1289319	101.52	ng	0.00
78) Terphenyl-d14	12.75	244	843433	85.66	ng	0.00

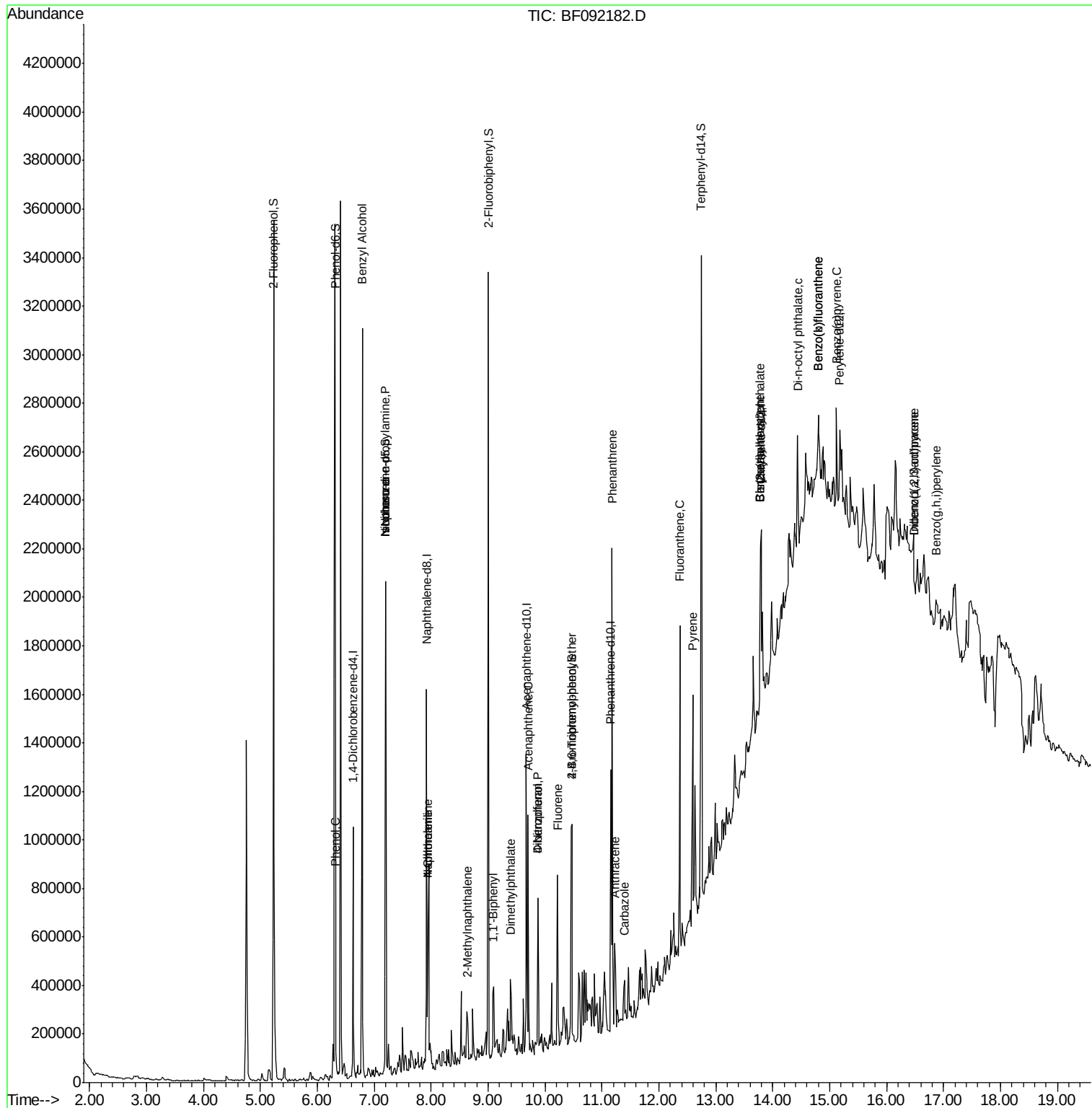
Target Compounds

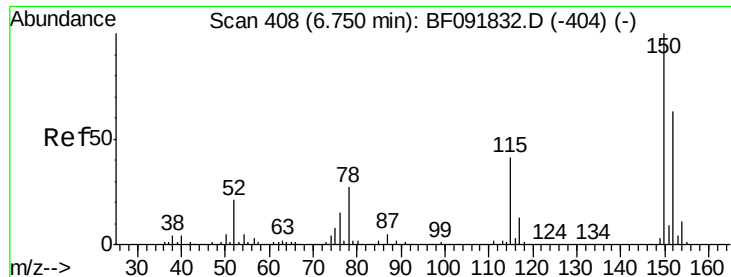
						Qvalue
10) Phenol	6.32	94	135969	10.91	ng	# 67
15) Benzyl Alcohol	6.79	79	18644	2.19	ng	# 47
19) n-Nitroso-di-n-propylamine	7.20	70	94150	12.94	ng	# 77
25) Isophorone	7.20	82	588806	28.17	ng	# 65
31) Naphthalene	7.94	128	200859	6.97	ng	# 98
33) 4-Chloroaniline	7.94	127	27185	2.09	ng	# 44
37) 2-Methylnaphthalene	8.64	142	75859	2.92	ng	# 96
45) 1,1'-Biphenyl	9.10	154	44500	2.44	ng	# 94
49) Dimethylphthalate	9.40	163	115170	6.75	ng	# 98
51) Acenaphthene	9.70	154	203931	13.52	ng	# 99
54) Dibenzofuran	9.88	168	210424	10.33	ng	# 99
55) 4-Nitrophenol	9.88	139	80743	25.73	ng	# 7
57) Fluorene	10.22	166	179045	12.08	ng	# 99
66) 4-Bromophenyl-phenylether	10.47	248	9643	2.30	ng	# 1
70) Phenanthrene	11.18	178	719808	32.92	ng	# 98
71) Anthracene	11.23	178	174685	6.56	ng	# 97
72) Carbazole	11.40	167	78077	3.16	ng	# 97
73) Di-n-butylphthalate	11.73	149	6233	Below	Cal	# 75
74) Fluoranthene	12.37	202	535871	26.35	ng	# 96
76) Benzidine	12.48	184	1191	Below	Cal	# 1
77) Pyrene	12.60	202	446999	25.51	ng	# 99
80) Benzo(a)anthracene	13.79	228	189024	14.02	ng	# 95
82) Chrysene	13.79	228	189024	13.98	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.79	149	33474	3.57	ng	# 82
84) Di-n-octyl phthalate	14.44	149	56232	3.23	ng	# 48
85) Indeno(1,2,3-cd)pyrene	16.48	276	57813	4.94	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	186270	18.21	ng	# 79
88) Benzo(k)fluoranthene	14.80	252	186270	21.36	ng	# 78
89) Benzo(a)pyrene	15.12	252	92365	10.18	ng	# 65
90) Dibenzo(a,h)anthracene	16.48	278	16517	2.21	ng	# 1
91) Benzo(g,h,i)perylene	16.87	276	54175	6.98	ng	# 72

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

```
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Operator  : UM/SJ  
Sample    : I1057-01RE  
Misc      :  
ALS Vial  : 10      Sample Multiplier: 1
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Quant Time: Jan 10 23:30:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

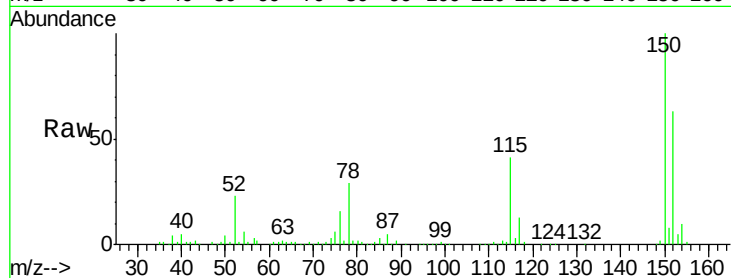
Tgt Ion:152 Resp: 149581

Ion Ratio Lower Upper

152 100

150 158.6 124.9 187.3

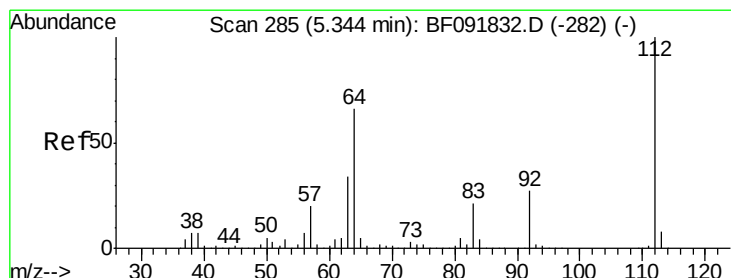
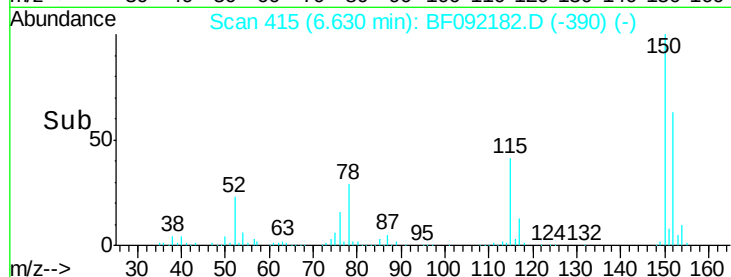
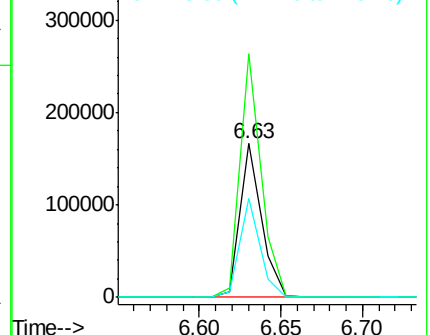
115 64.9 46.0 69.0



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: 121.47 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

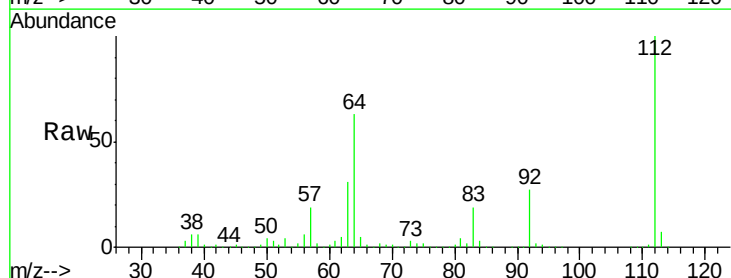
Tgt Ion:112 Resp: 1088201

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

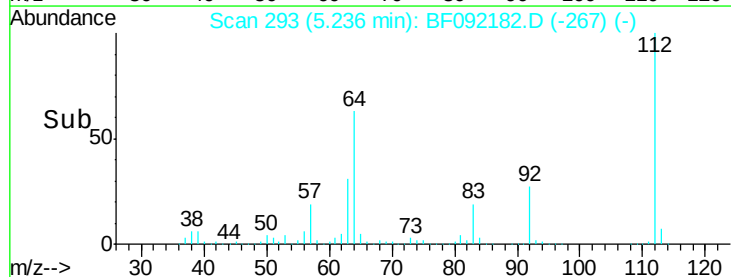
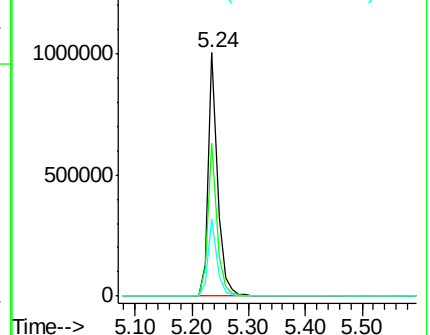
63 31.5 23.8 35.6

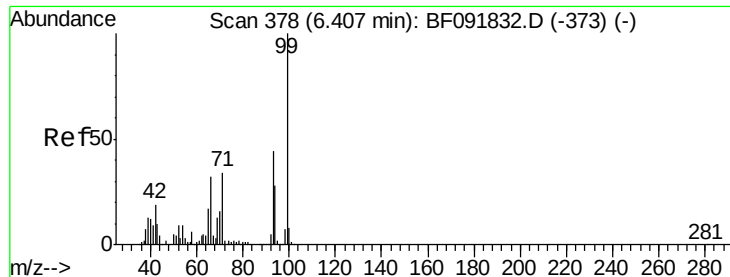


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.79 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

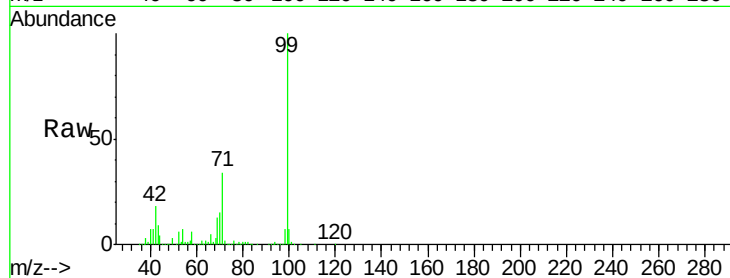
Tgt Ion: 99 Resp: 1353916

Ion Ratio Lower Upper

99 100

42 18.1 15.6 23.4

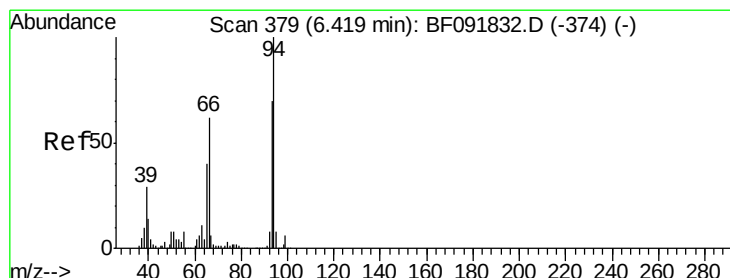
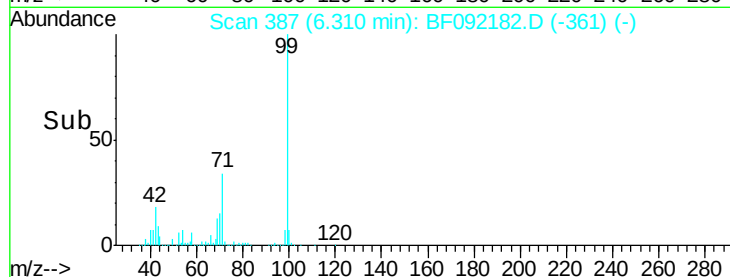
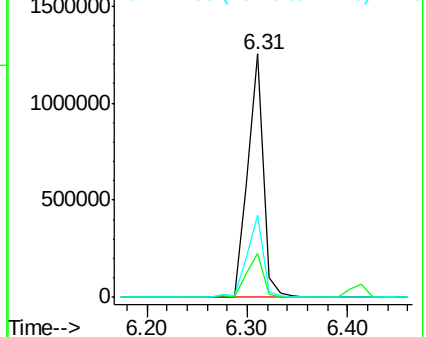
71 34.1 27.5 41.3



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: 10.91 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

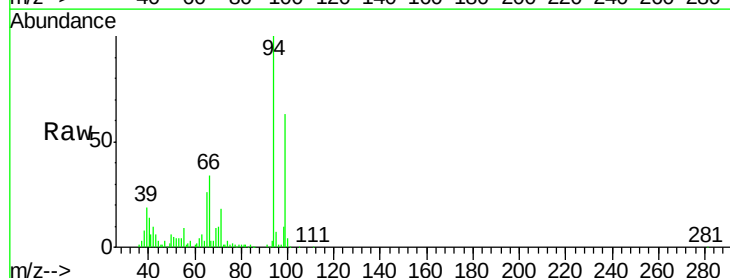
Tgt Ion: 94 Resp: 135969

Ion Ratio Lower Upper

94 100

65 26.5 21.4 61.4

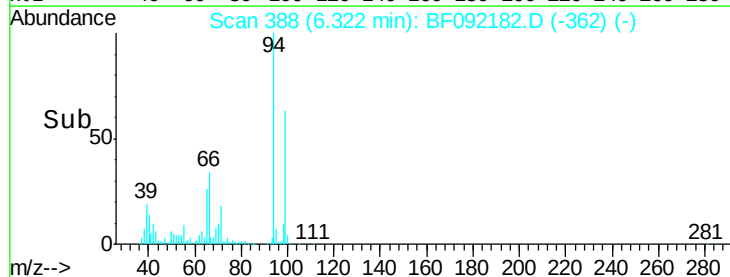
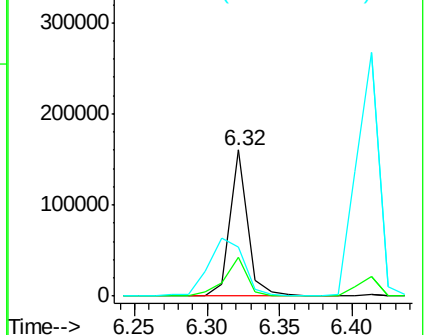
66 34.1 44.0 84.0#

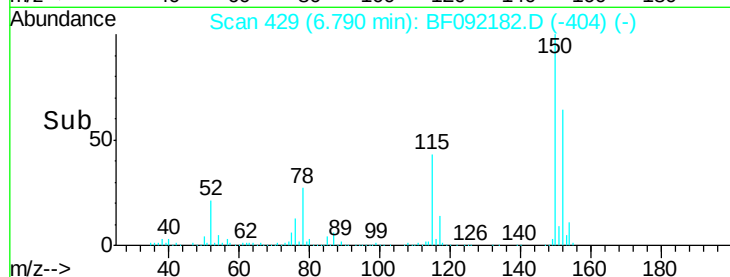
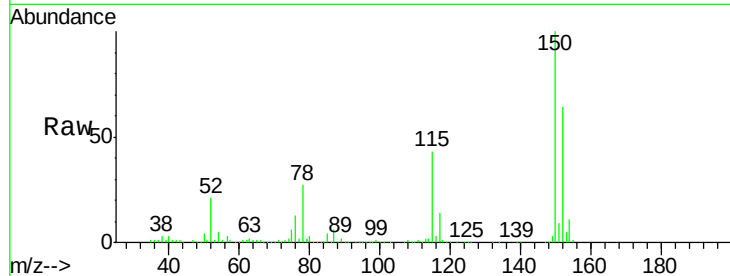
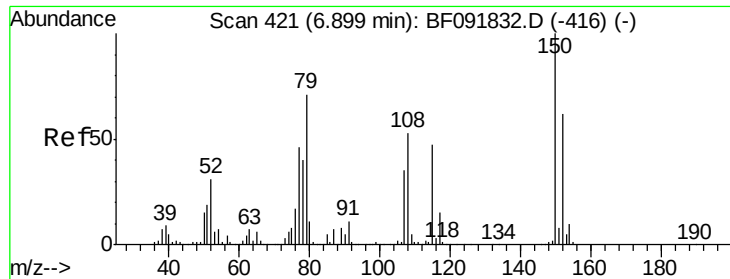


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 6.79 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

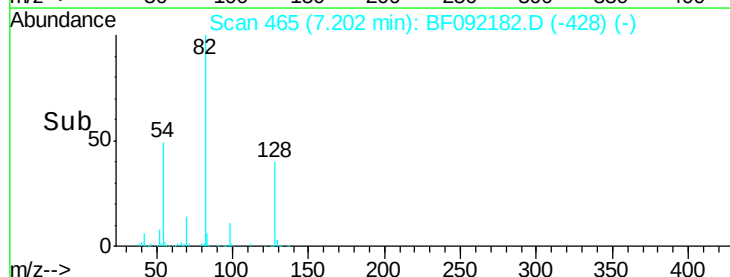
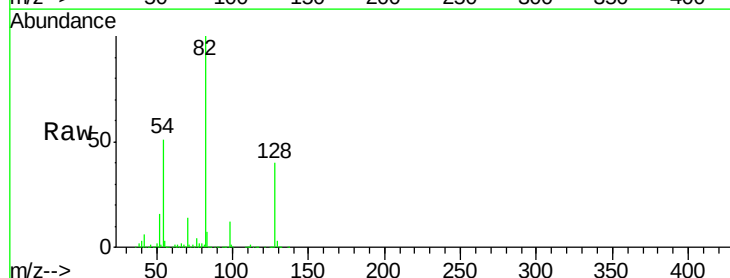
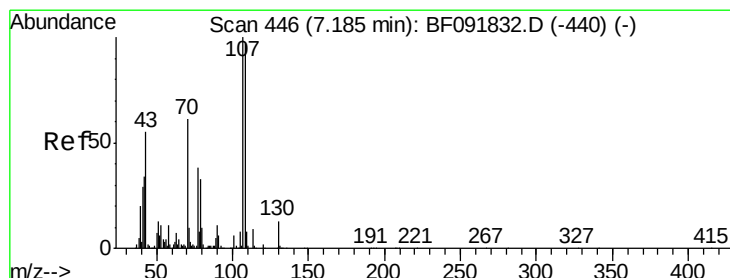
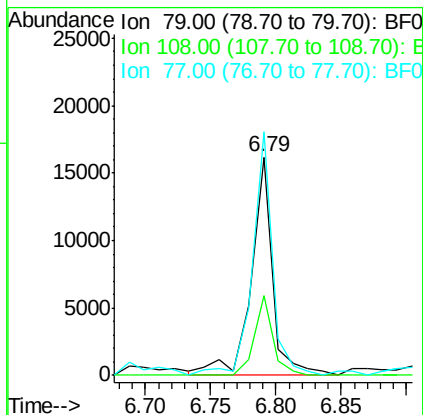
Tgt Ion: 79 Resp: 18644

Ion Ratio Lower Upper

79 100

108 36.4 61.4 92.0#

77 111.7 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 12.94 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Tgt Ion: 70 Resp: 94150

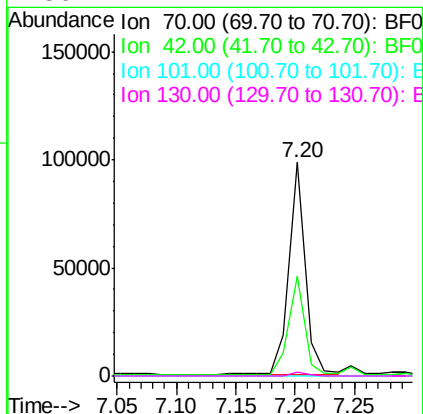
Ion Ratio Lower Upper

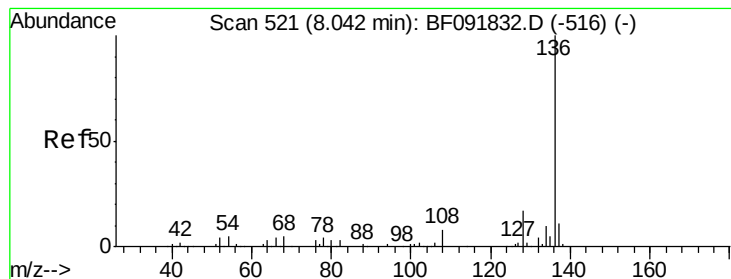
70 100

42 47.0 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: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

Tgt Ion: 136 Resp: 630067

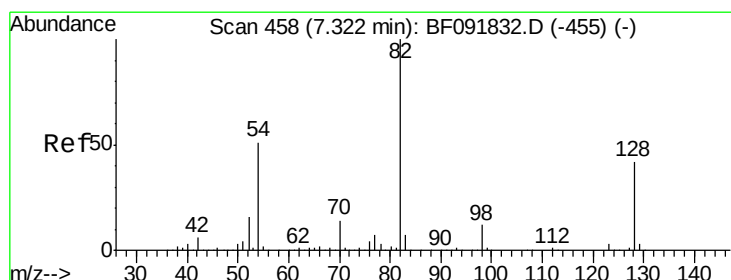
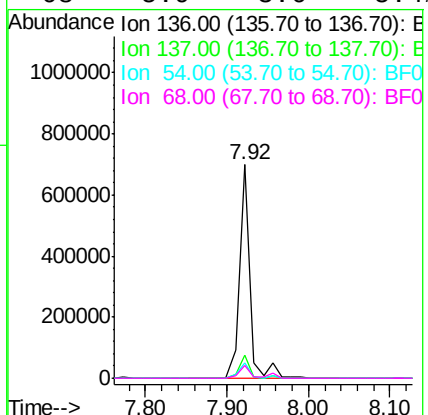
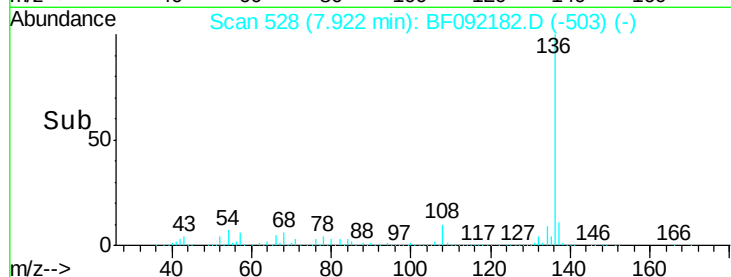
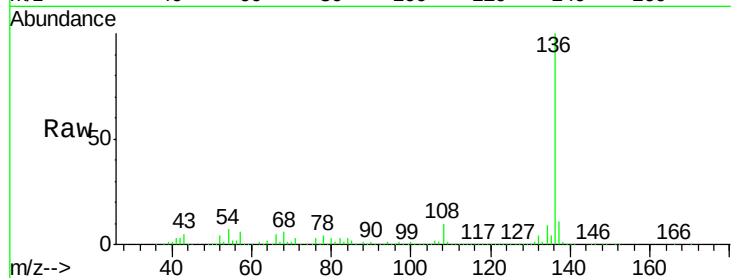
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.4 4.5 6.7#

68 5.9 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 60.72 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

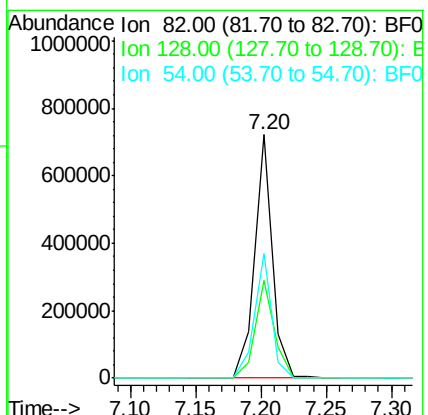
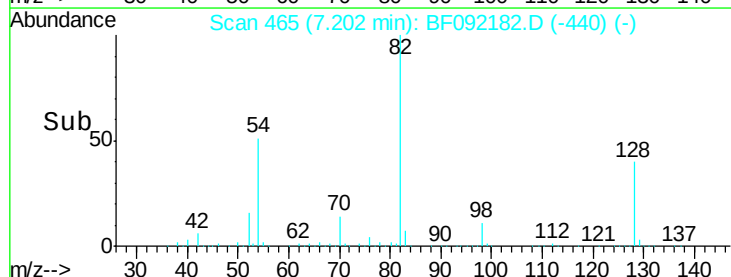
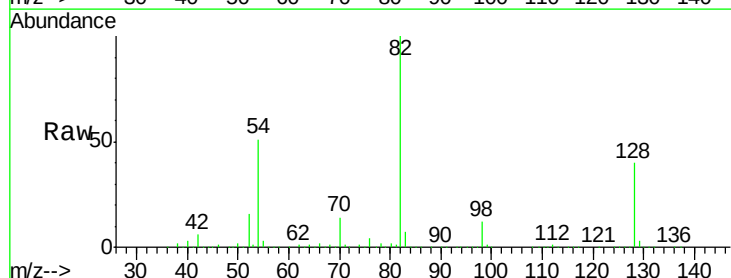
Tgt Ion: 82 Resp: 687997

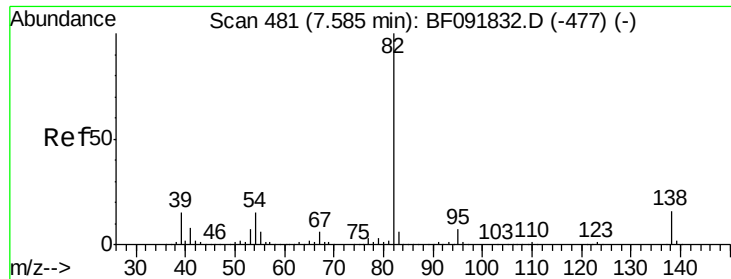
Ion Ratio Lower Upper

82 100

128 39.9 34.6 52.0

54 51.3 39.5 59.3





#25

Isophorone

Concen: 28.17 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.27 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

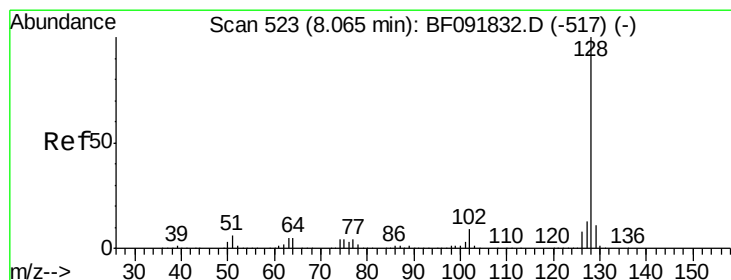
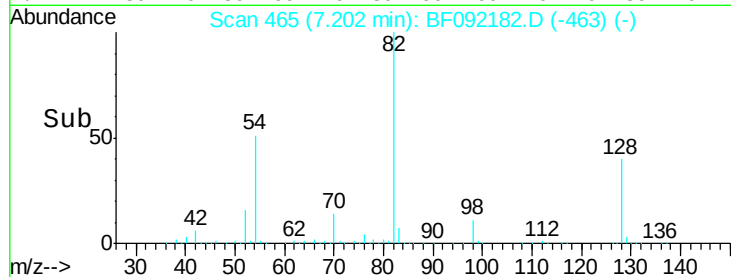
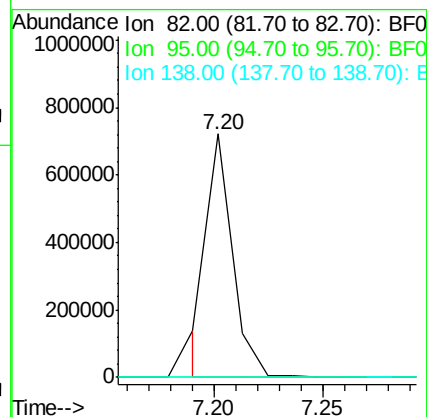
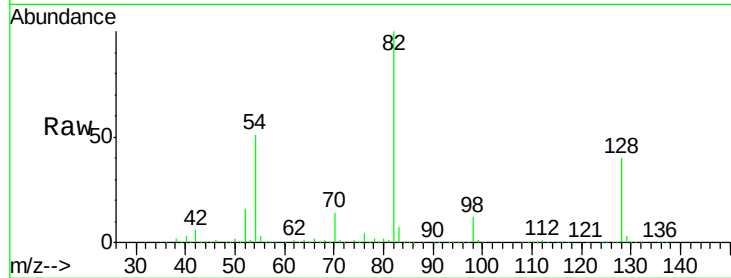
Tgt Ion: 82 Resp: 588806

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#31

Naphthalene

Concen: 6.97 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

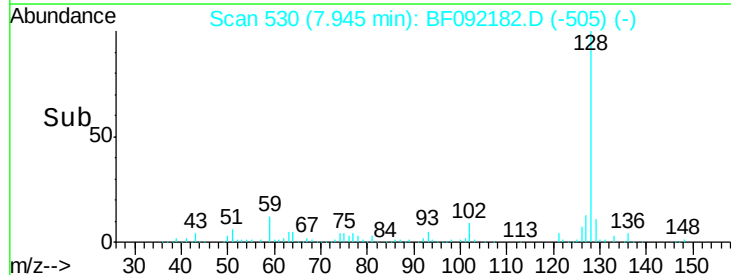
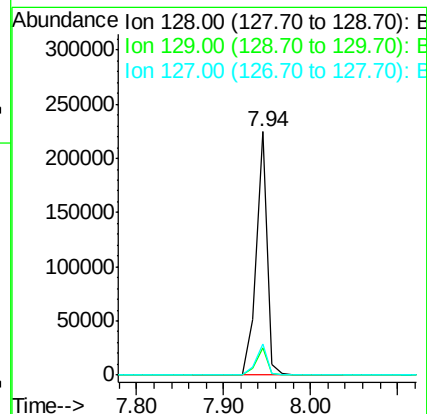
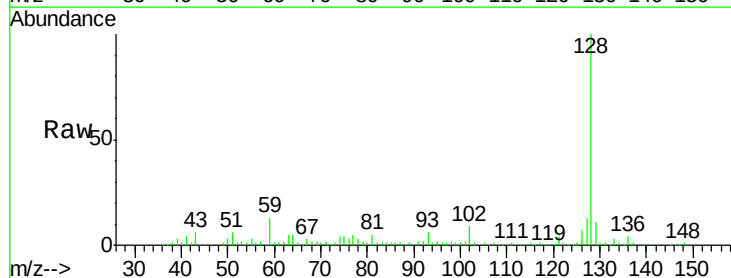
Tgt Ion: 128 Resp: 200859

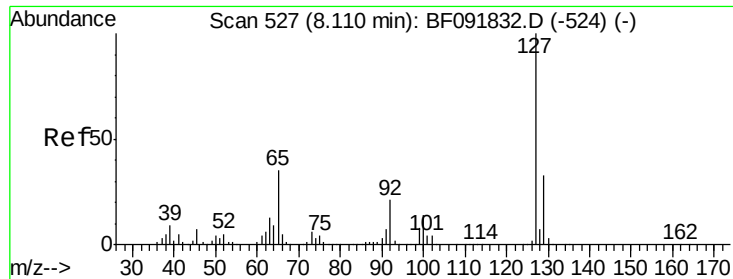
Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

127 13.0 10.8 16.2

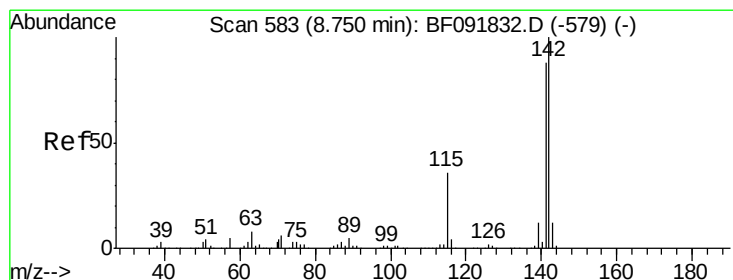
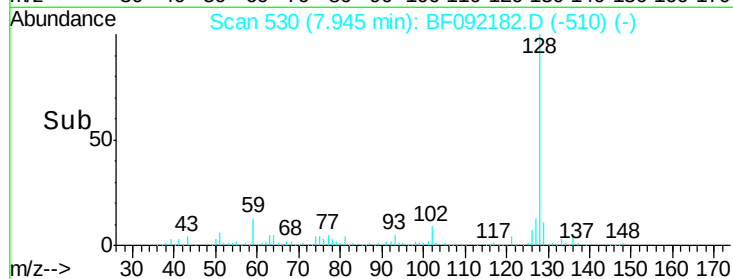
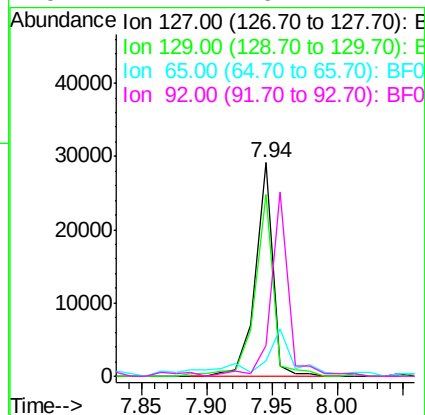
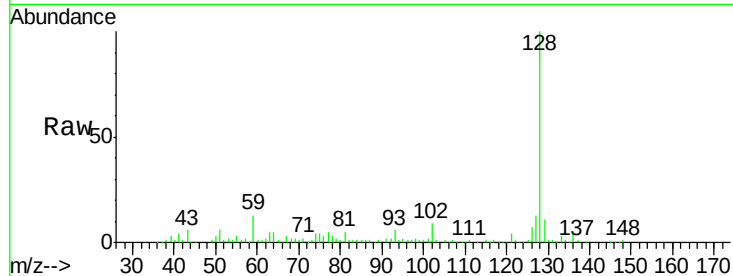




#33
4-Chloroaniline
Concen: 2.09 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.07 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

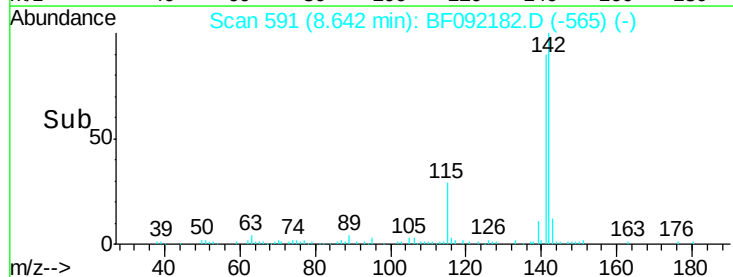
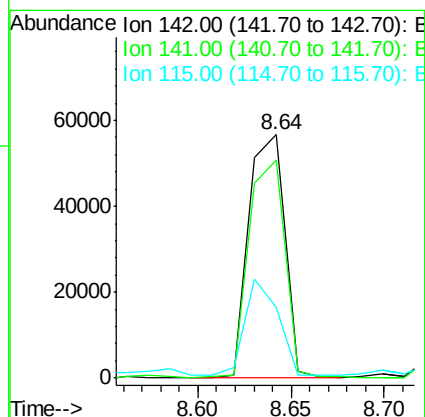
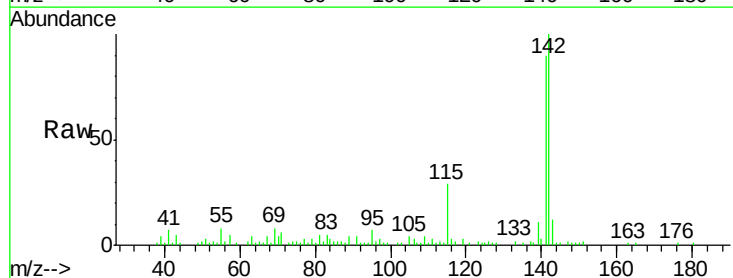
Instrument :
BNA_F
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P3-SP3RE

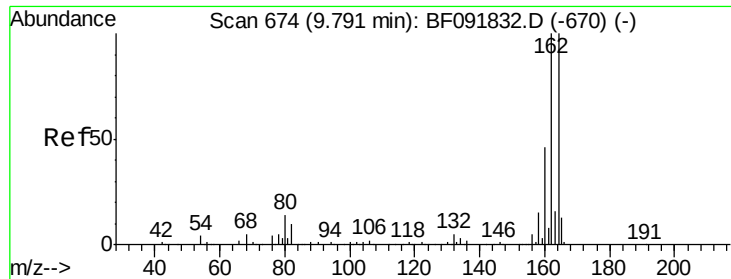
Tgt Ion:	127	Resp:	27185
Ion	Ratio	Lower	Upper
127	100		
129	84.9	26.3	39.5#
65	7.0	25.8	38.8#
92	14.2	16.1	24.1#



#37
2-Methylnaphthalene
Concen: 2.92 ng
RT: 8.64 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:	142	Resp:	75859
Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.0	106.6
115	29.1	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

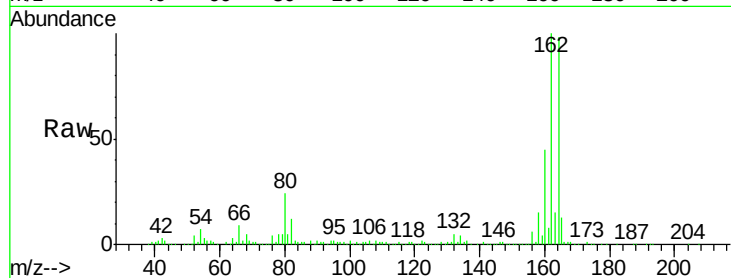
Tgt Ion:164 Resp: 266798

Ion Ratio Lower Upper

164 100

162 102.2 80.2 120.2

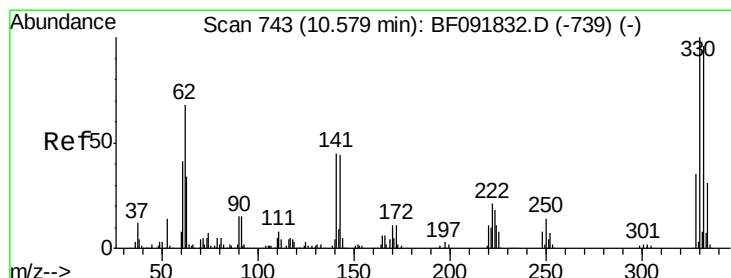
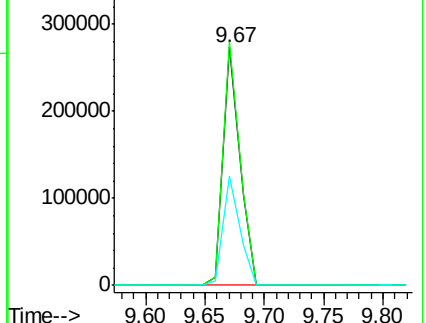
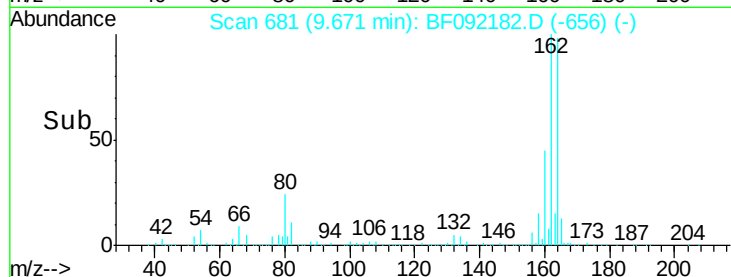
160 45.7 36.9 55.3



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: 68.97 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

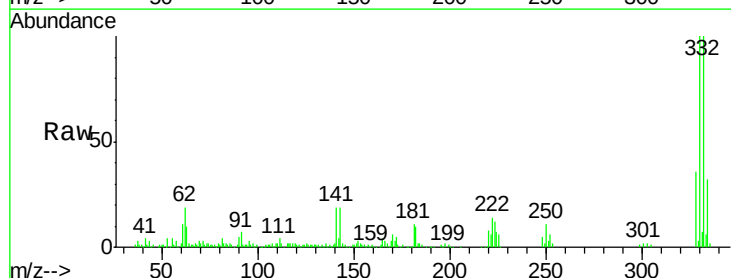
Tgt Ion:330 Resp: 152287

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

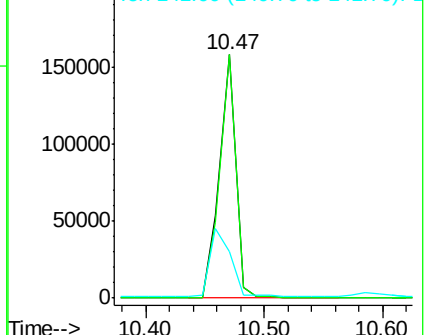
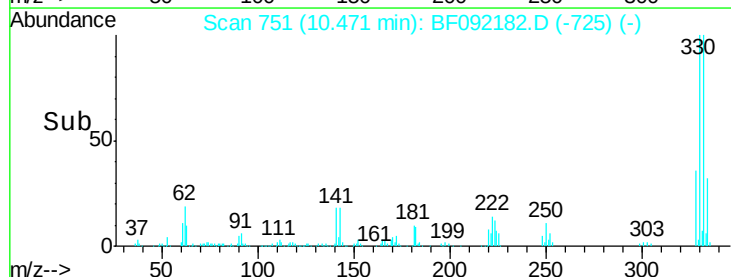
141 35.3 34.1 51.1

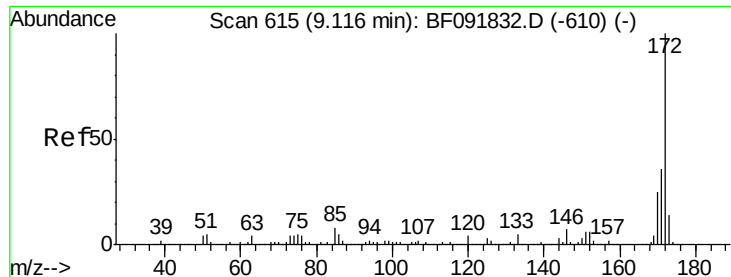


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

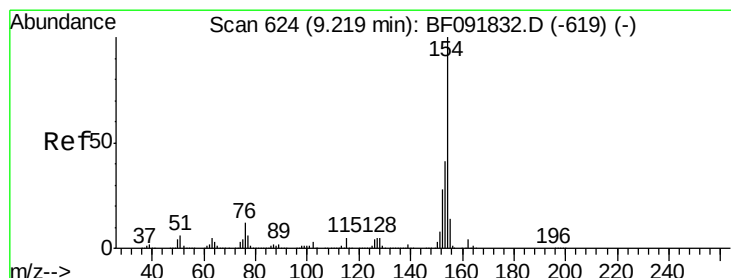
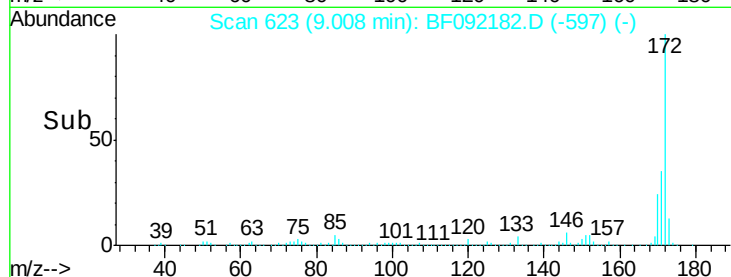
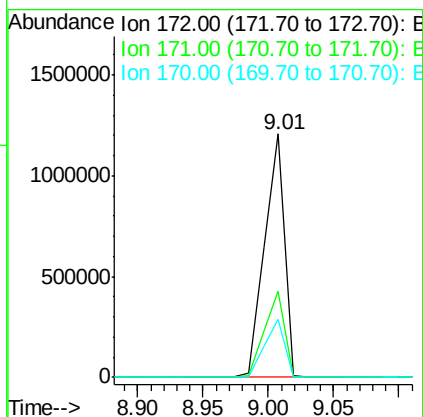
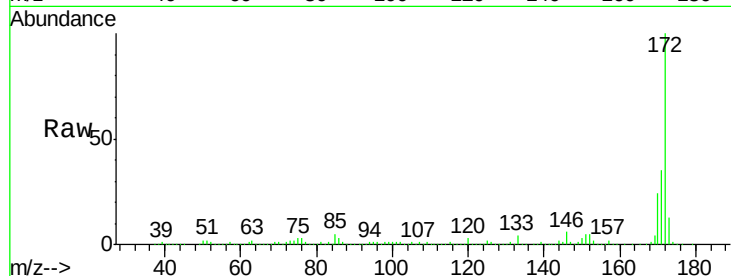




#44
 2-Fluorobiphenyl
 Concen: 101.52 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

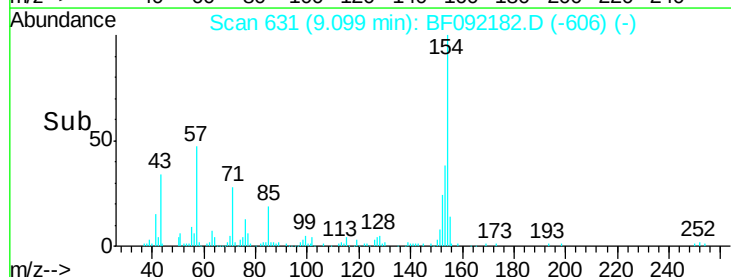
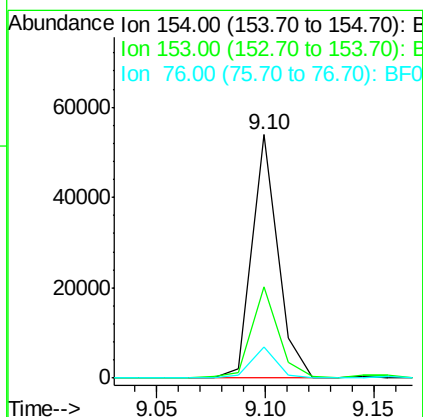
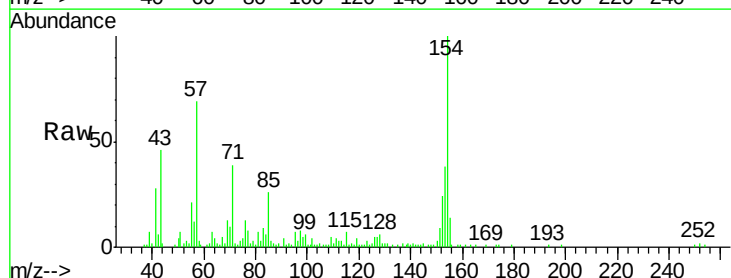
Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

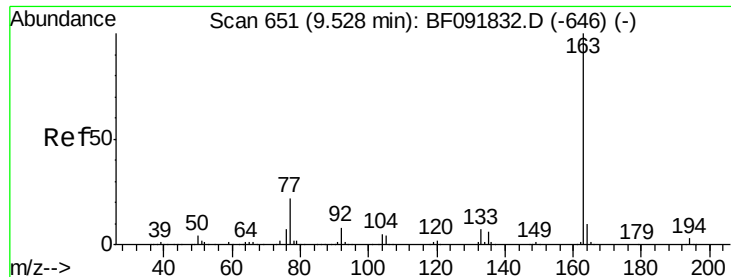
Tgt Ion:172 Resp: 1289319
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 23.9 20.2 30.4



#45
 1,1'-Biphenyl
 Concen: 2.44 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Tgt Ion:154 Resp: 44500
 Ion Ratio Lower Upper
 154 100
 153 37.6 20.9 60.9
 76 13.0 0.0 30.5





#49

Dimethylphthalate

Concen: 6.75 ng

RT: 9.40 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

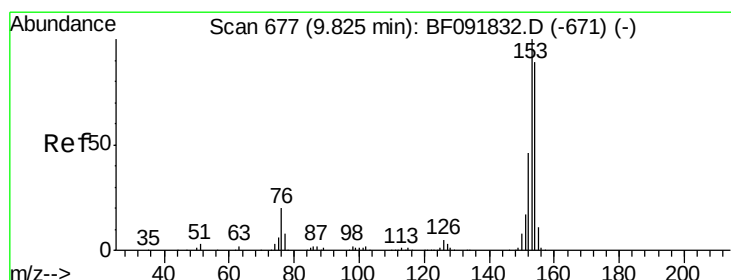
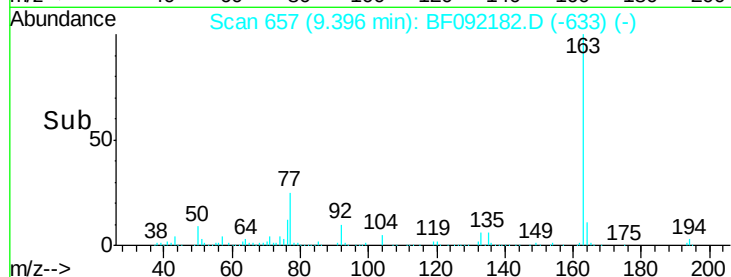
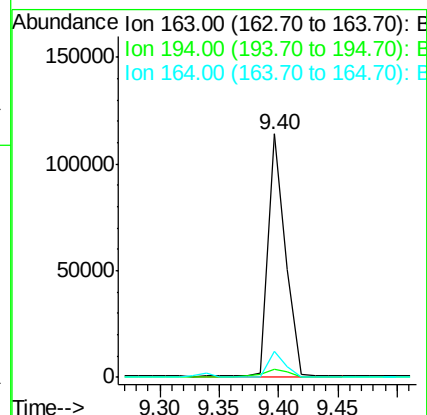
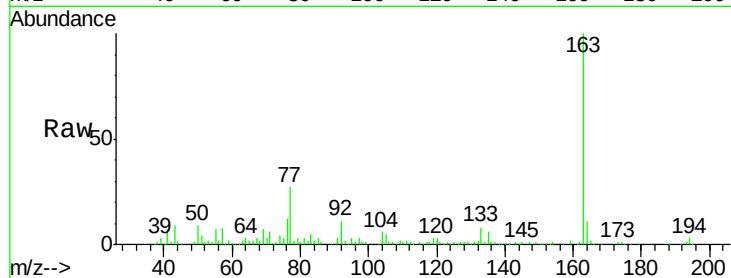
Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

Tgt Ion:	163	Resp:	115170
Ion Ratio	Lower	Upper	
163	100		
194	3.2	3.0	4.4
164	10.7	8.0	12.0



#51

Acenaphthene

Concen: 13.52 ng

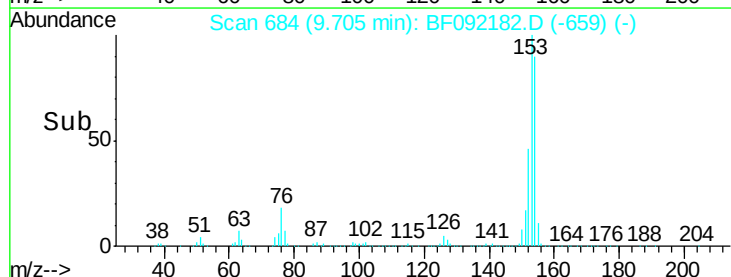
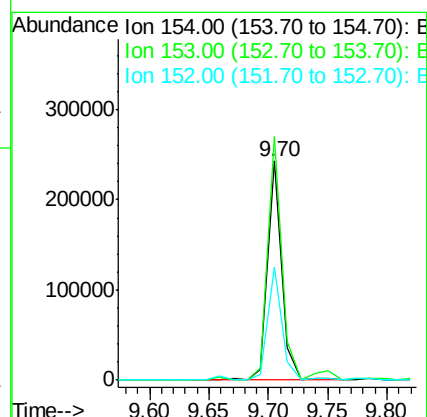
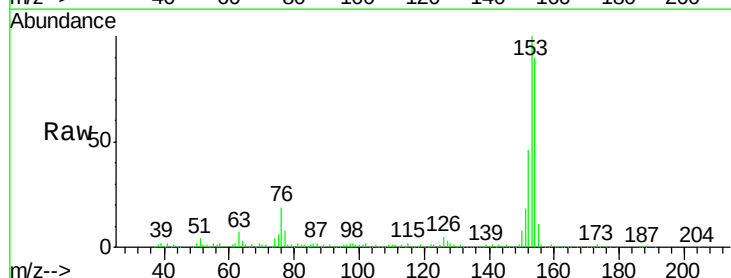
RT: 9.70 min Scan# 684

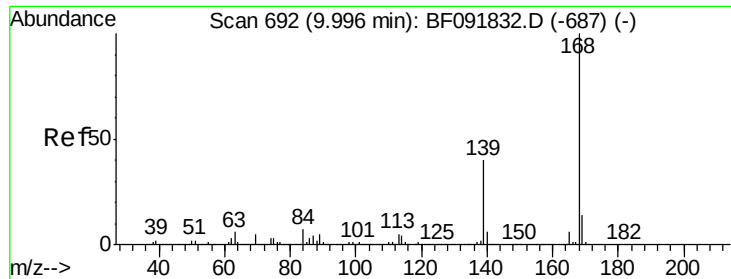
Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Tgt Ion:	154	Resp:	203931
Ion Ratio	Lower	Upper	
154	100		
153	111.2	88.6	133.0
152	51.4	41.6	62.4





#54

Dibenzofuran

Concen: 10.33 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

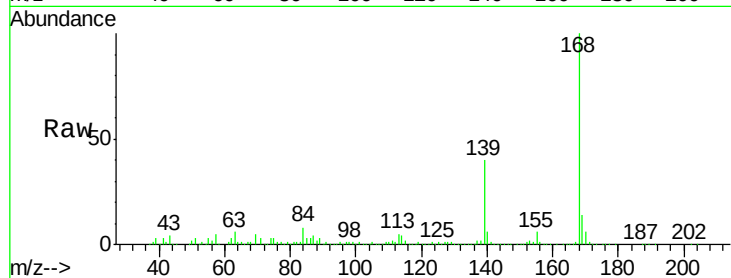
Tgt Ion:168 Resp: 210424

Ion Ratio Lower Upper

168 100

139 40.1 32.6 49.0

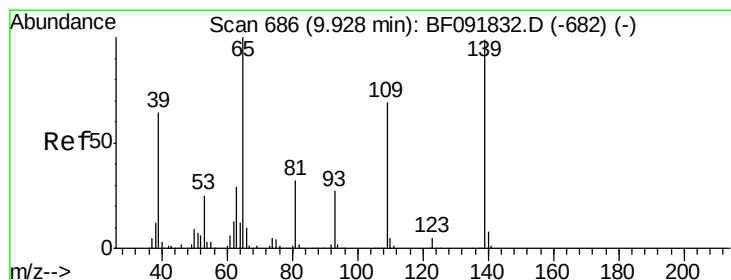
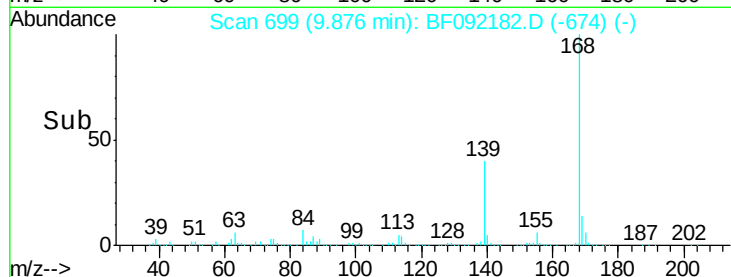
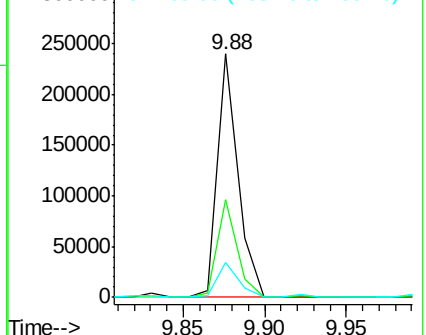
169 14.5 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 25.73 ng

RT: 9.88 min Scan# 699

Delta R.T. 0.05 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

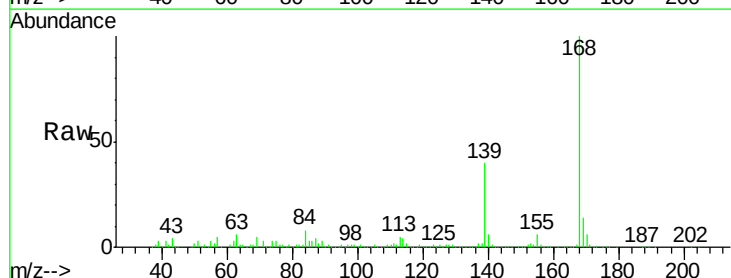
Tgt Ion:139 Resp: 80743

Ion Ratio Lower Upper

139 100

109 2.9 52.2 92.2#

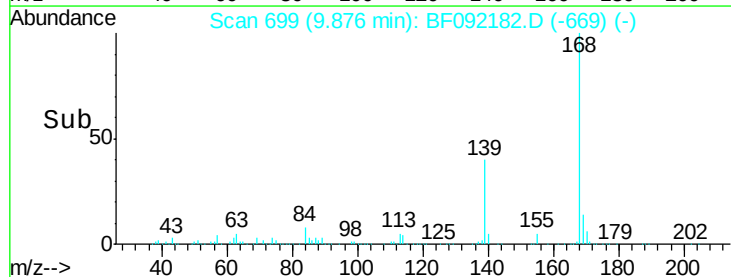
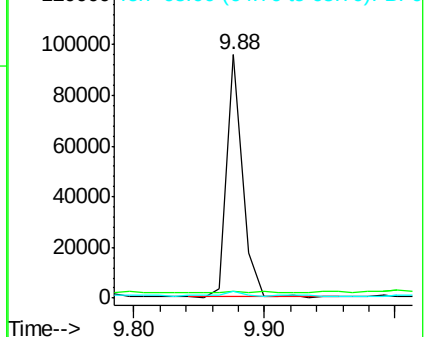
65 2.7 85.8 125.8#

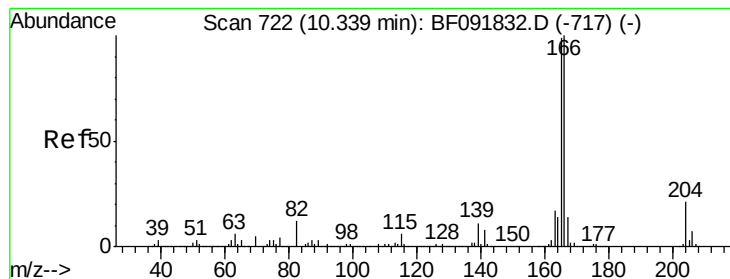


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 12.08 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

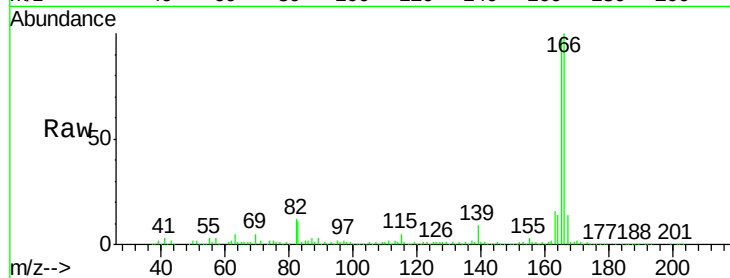
Tgt Ion:166 Resp: 179045

Ion Ratio Lower Upper

166 100

165 97.8 77.8 116.8

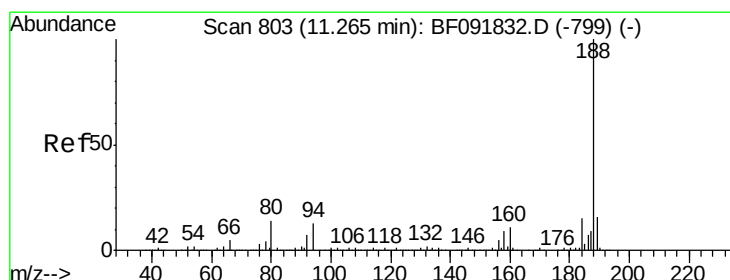
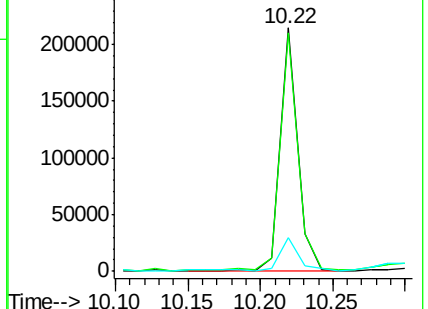
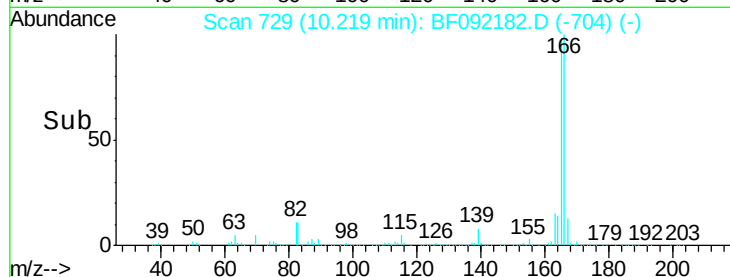
167 13.7 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

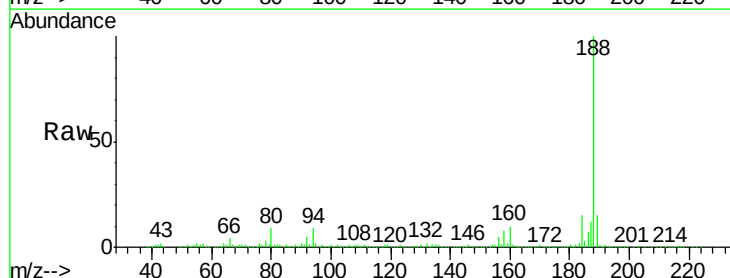
Tgt Ion:188 Resp: 403197

Ion Ratio Lower Upper

188 100

94 9.2 10.0 15.0#

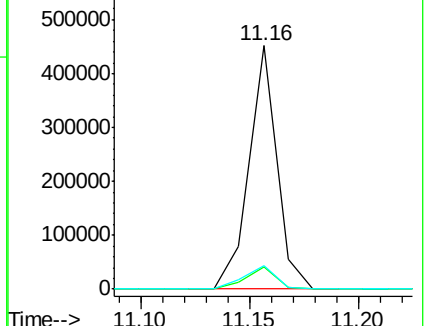
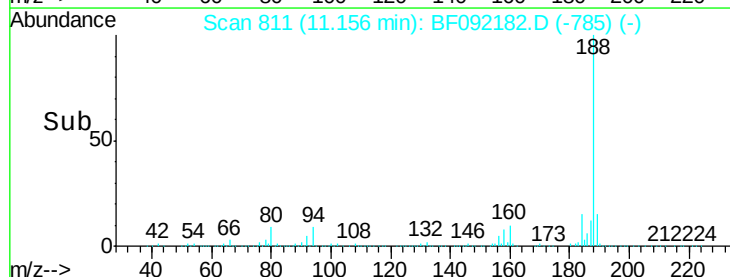
80 9.5 11.2 16.8#

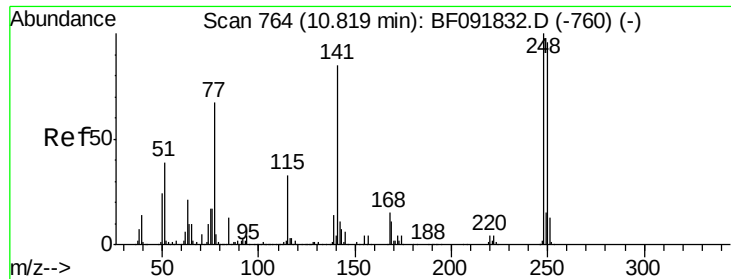


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

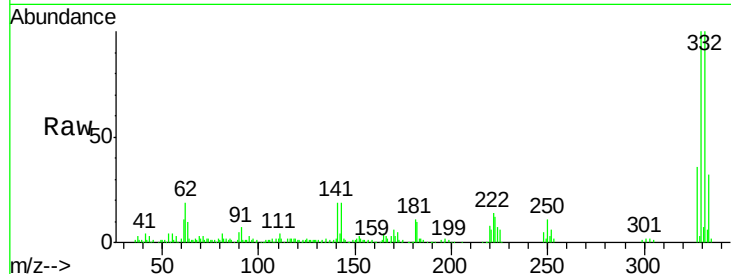




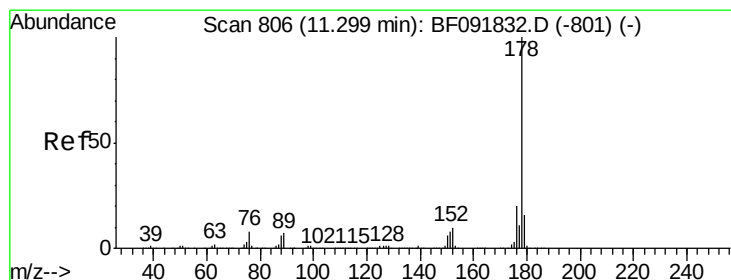
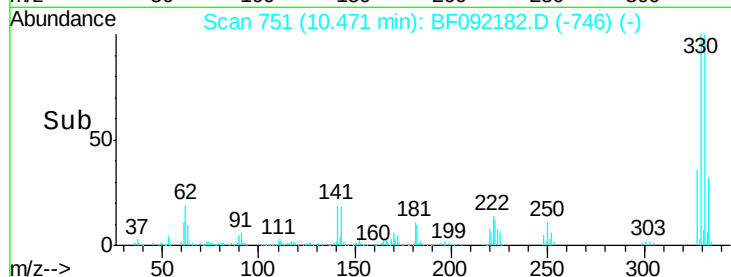
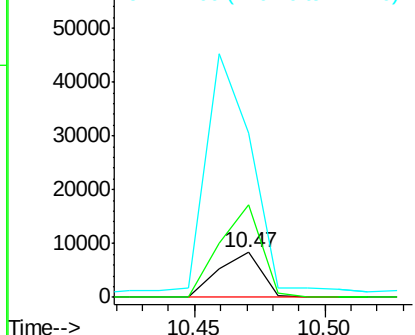
#66
 4-Bromophenyl-phenylether
 Concen: 2.30 ng
 RT: 10.47 min Scan# 751
 Delta R.T. -0.24 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

Tgt Ion:248 Resp: 9643
 Ion Ratio Lower Upper
 248 100
 250 206.5 76.9 115.3#
 141 366.4 68.2 102.4#

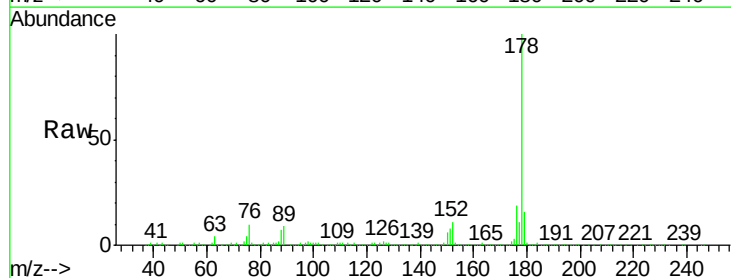


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

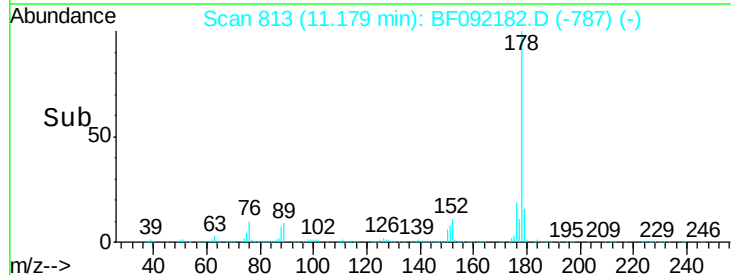
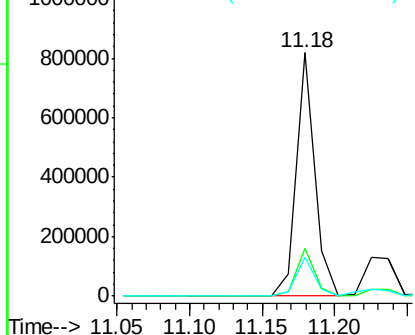


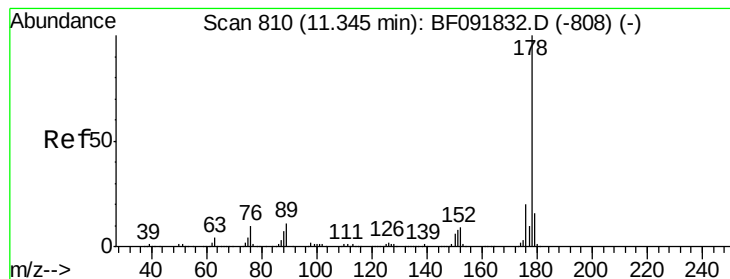
#70
 Phenanthrene
 Concen: 32.92 ng
 RT: 11.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Tgt Ion:178 Resp: 719808
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.6 25.0
 179 15.9 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





#71

Anthracene

Concen: 6.56 ng

RT: 11.23 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

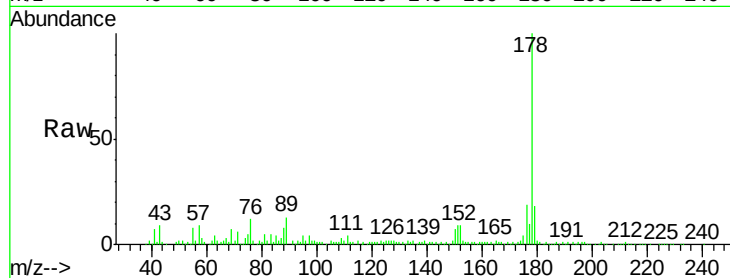
Tgt Ion:178 Resp: 174685

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

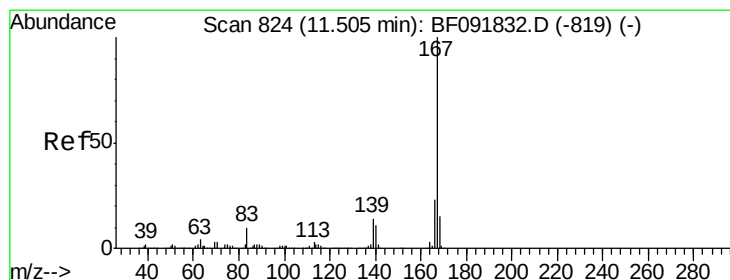
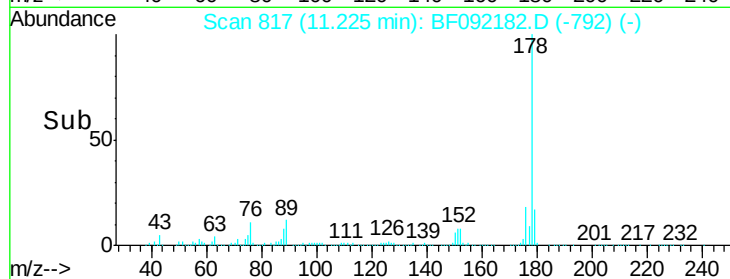
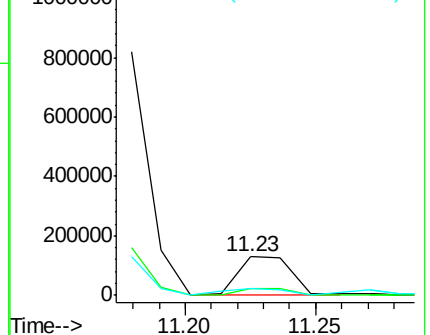
179 17.5 13.2 19.8



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



#72

Carbazole

Concen: 3.16 ng

RT: 11.40 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

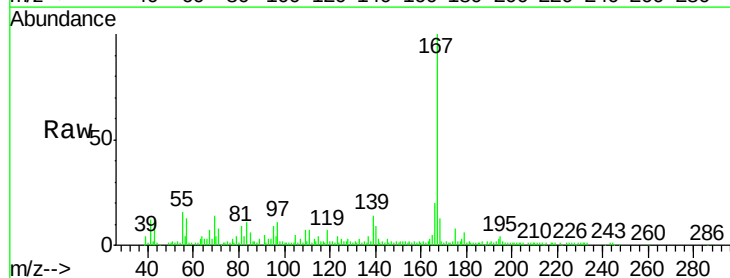
Tgt Ion:167 Resp: 78077

Ion Ratio Lower Upper

167 100

166 20.4 18.2 27.2

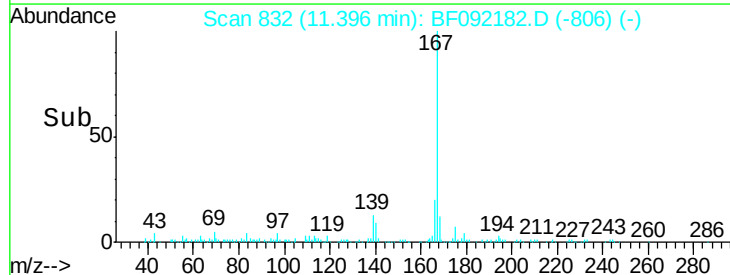
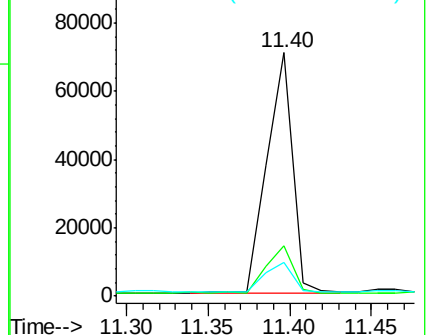
139 13.9 11.4 17.2

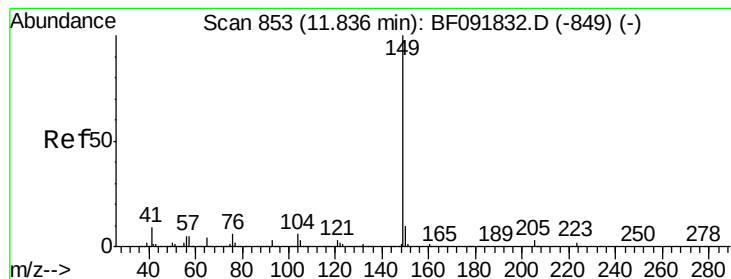


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

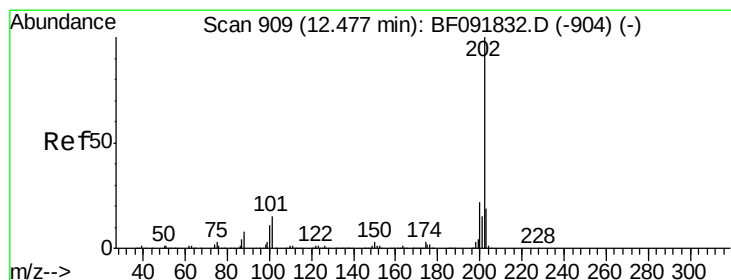
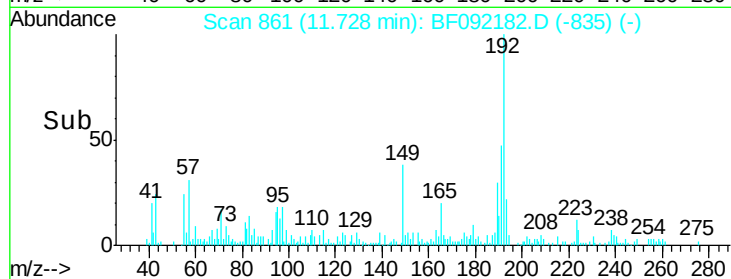
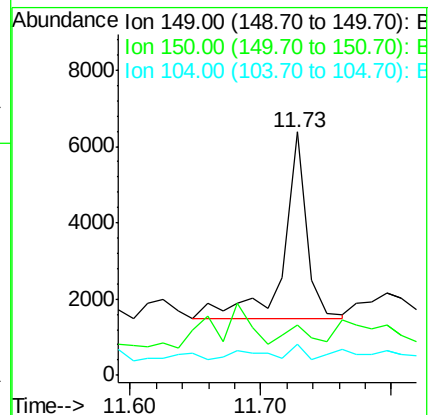
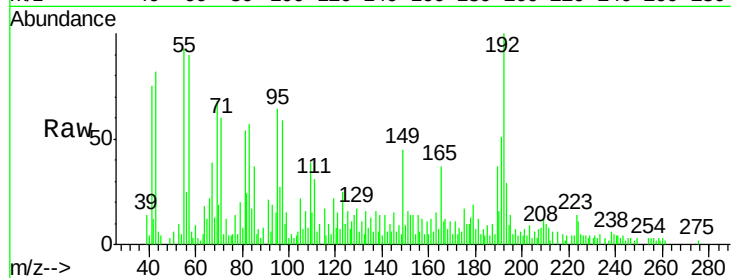
Tgt Ion:149 Resp: 6233

Ion Ratio Lower Upper

149 100

150 20.5 8.1 12.1#

104 12.8 4.6 7.0#



#74

Fluoranthene

Concen: 26.35 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

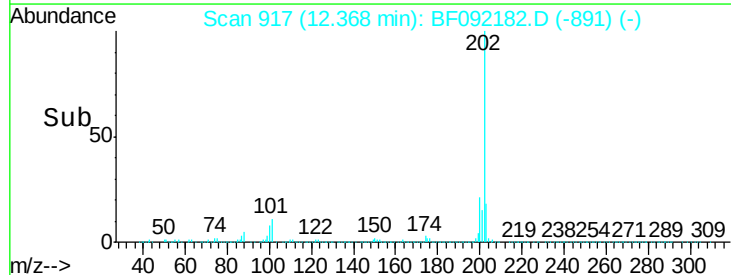
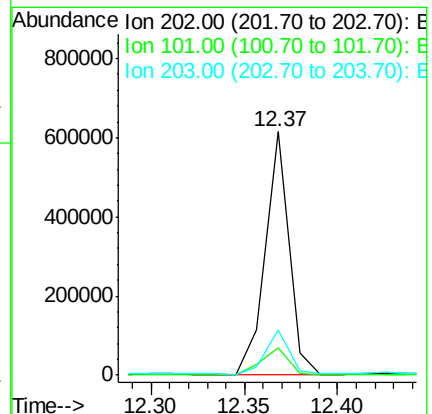
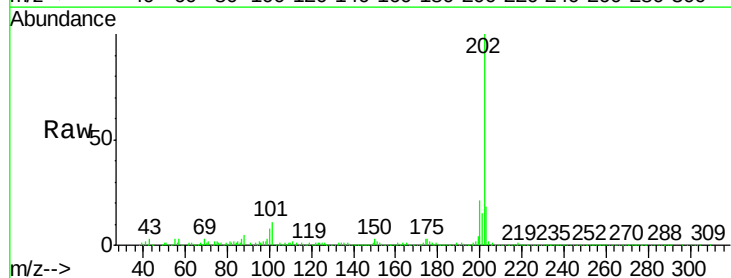
Tgt Ion:202 Resp: 535871

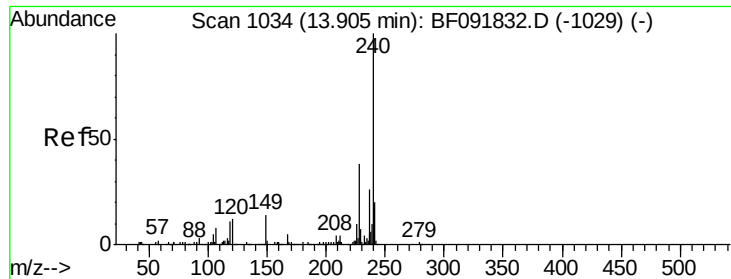
Ion Ratio Lower Upper

202 100

101 11.2 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: BF092182.D

Acq: 10 Jan 2017 15:21

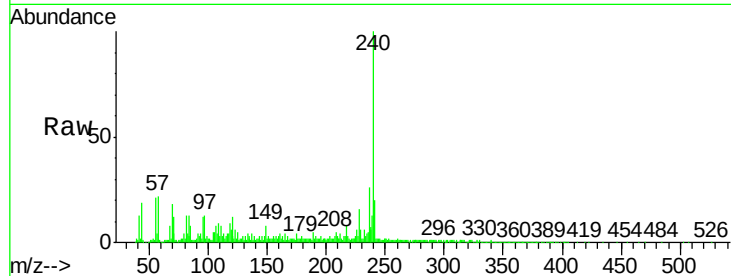
Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

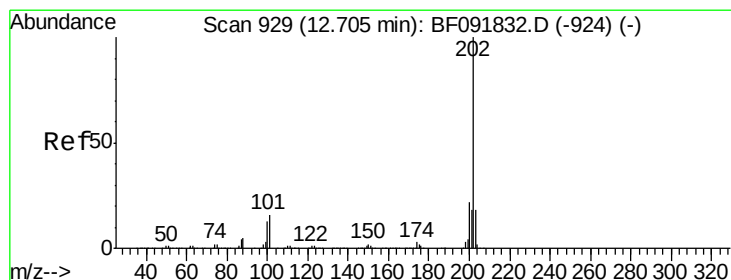
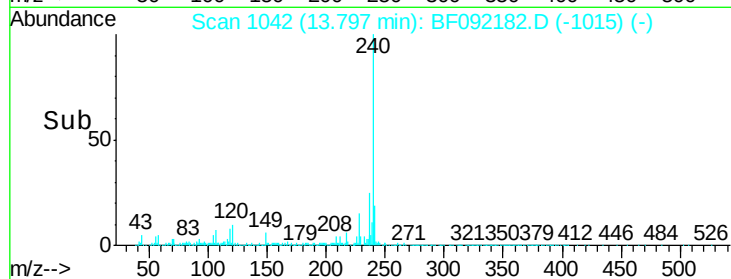
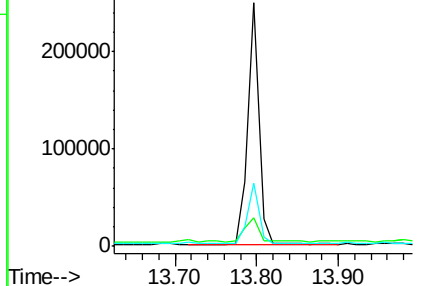
Tgt Ion:	240	Resp:	238807
Ion Ratio	Lower	Upper	
240	100		
120	11.5	12.9	19.3#
236	26.2	20.9	31.3



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: 25.51 ng

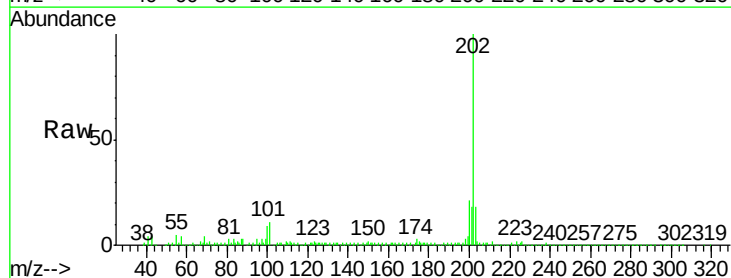
RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

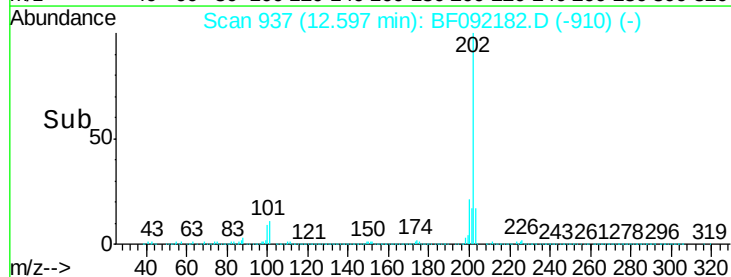
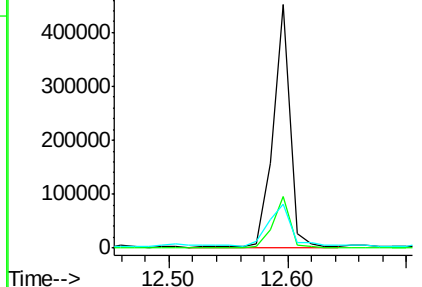
Tgt Ion:	202	Resp:	446999
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.9	14.7	22.1

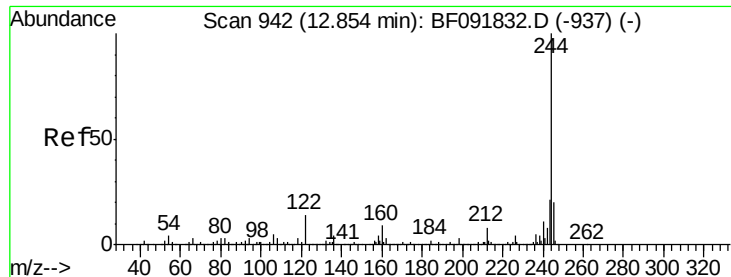


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

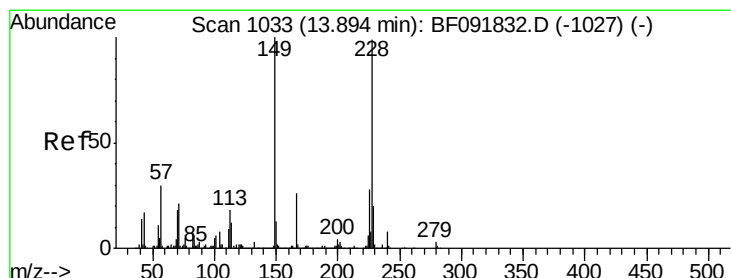
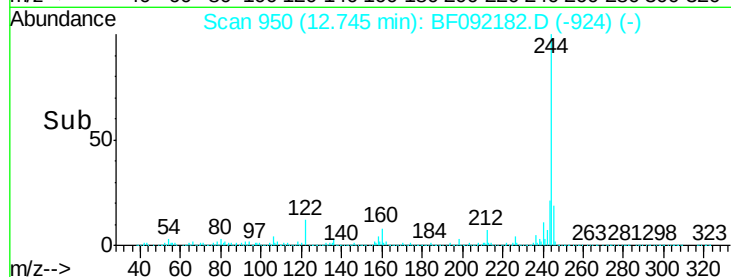
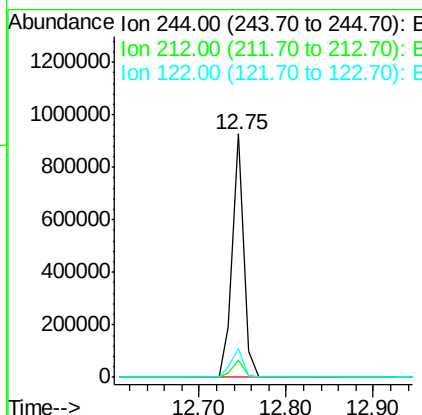
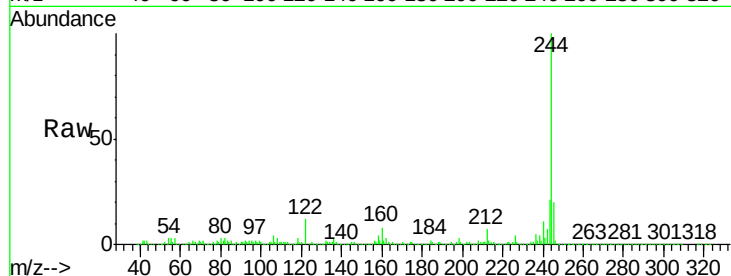




#78
 Terphenyl-d14
 Concen: 85.66 ng
 RT: 12.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

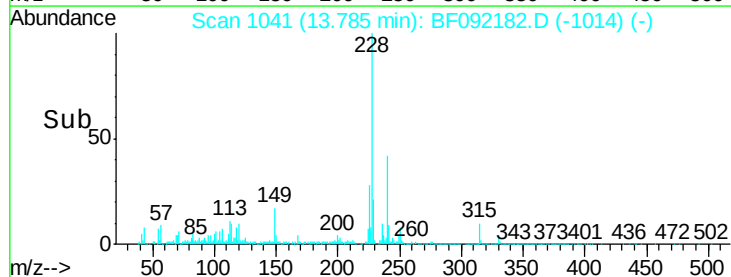
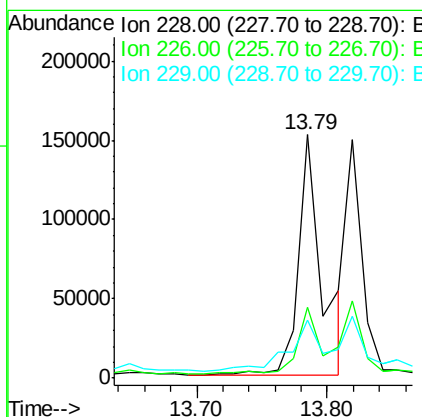
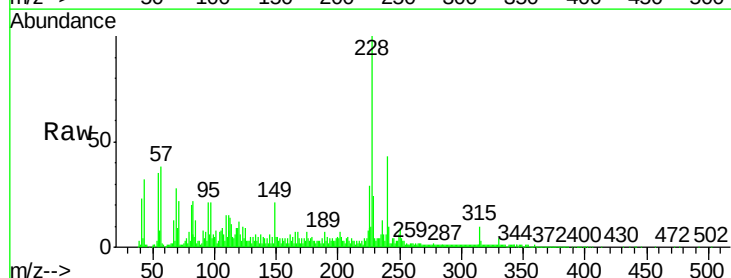
Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

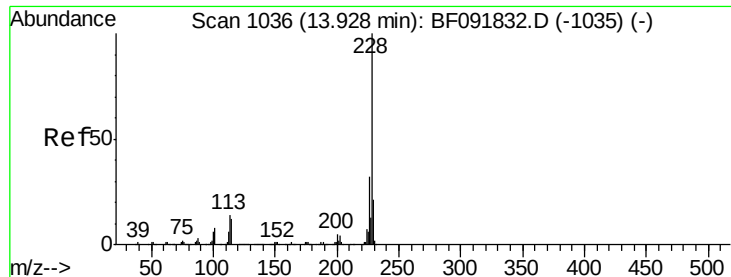
Tgt Ion:244 Resp: 843433
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 11.9 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 14.02 ng
 RT: 13.79 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Tgt Ion:228 Resp: 189024
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.4 33.6
 229 23.8 16.2 24.4





#82

Chrysene

Concen: 13.98 ng

RT: 13.79 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

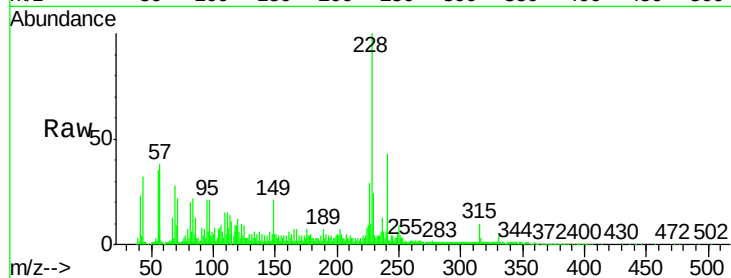
Tgt Ion:228 Resp: 189024

Ion Ratio Lower Upper

228 100

226 29.3 25.4 38.0

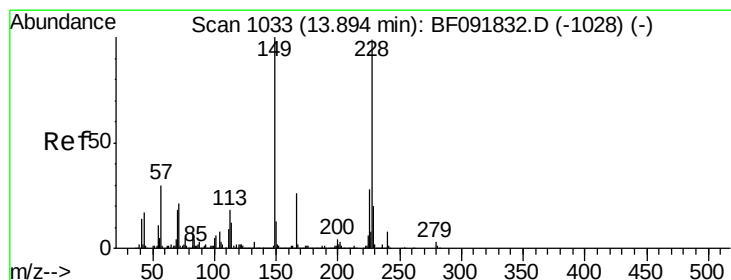
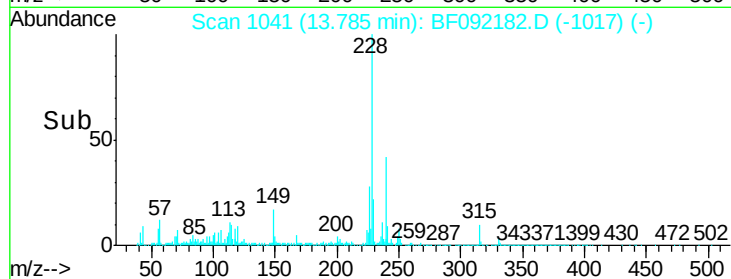
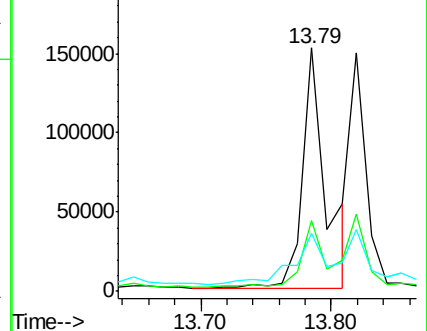
229 23.8 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.57 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

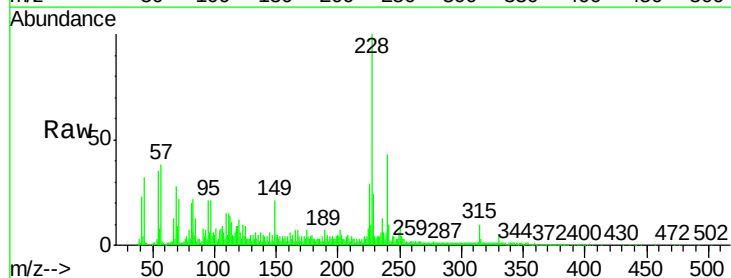
Tgt Ion:149 Resp: 33474

Ion Ratio Lower Upper

149 100

167 34.7 20.2 30.4#

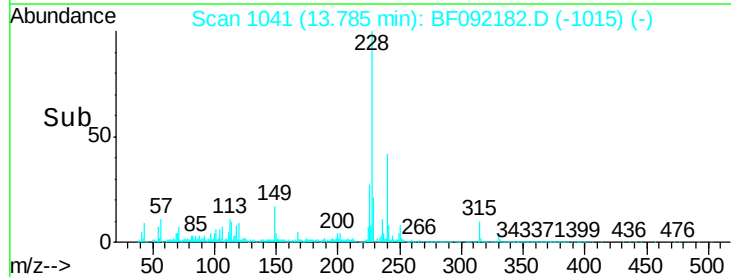
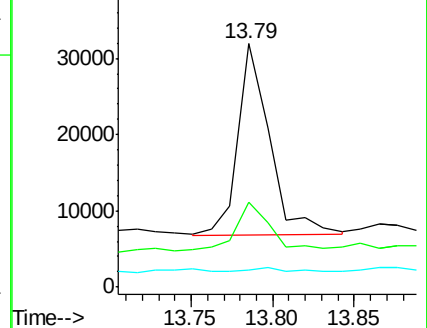
279 7.1 1.8 2.8#

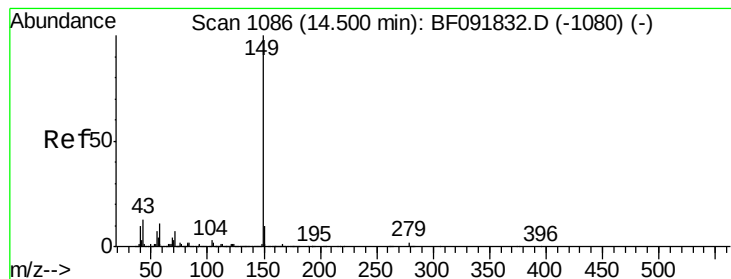


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.23 ng

RT: 14.44 min Scan# 1098

Delta R.T. 0.05 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

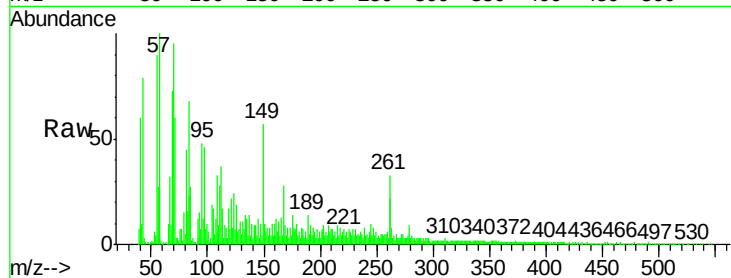
Tgt Ion:149 Resp: 56232

Ion Ratio Lower Upper

149 100

167 39.5 1.3 1.9#

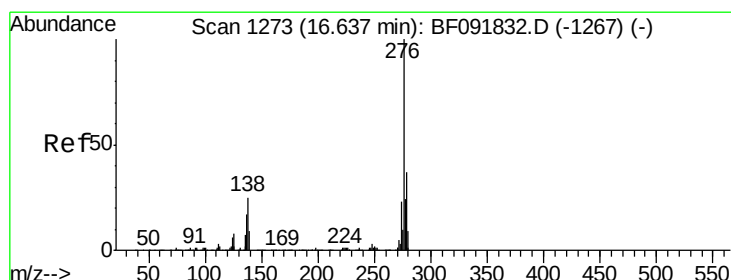
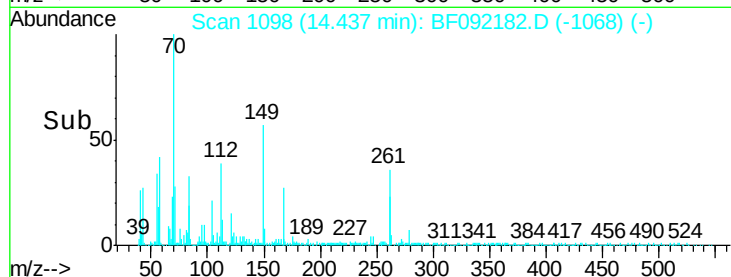
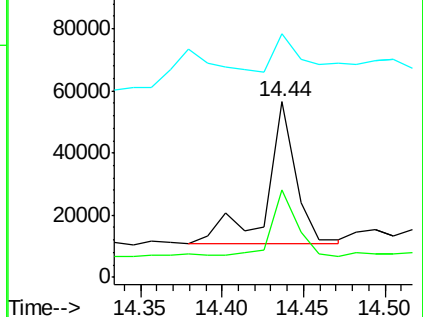
43 28.2 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.94 ng

RT: 16.48 min Scan# 1277

Delta R.T. 0.06 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

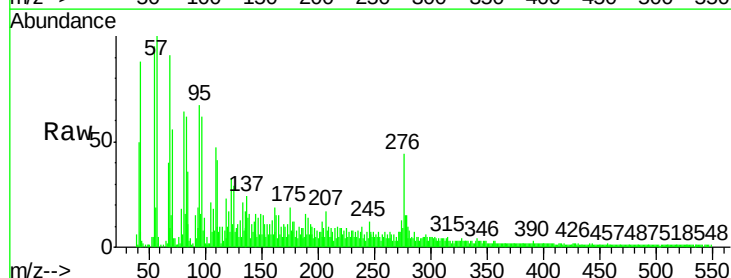
Tgt Ion:276 Resp: 57813

Ion Ratio Lower Upper

276 100

138 29.5 21.8 32.6

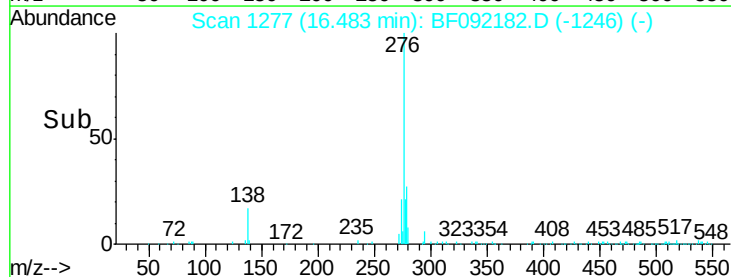
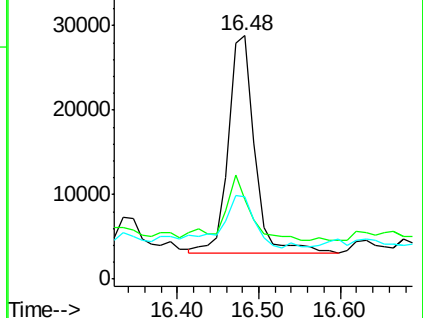
277 30.9 20.2 30.4#

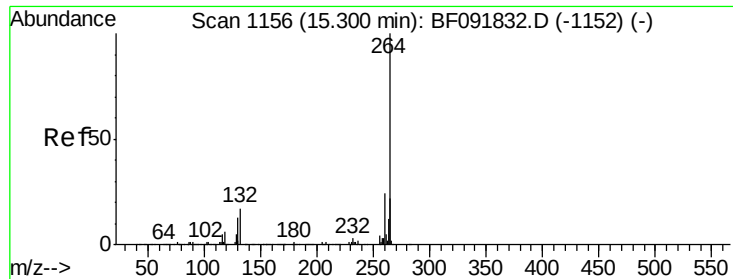


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

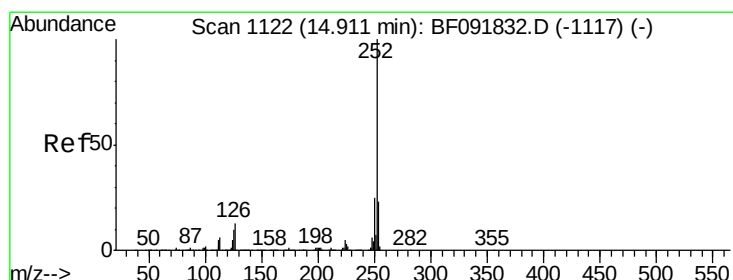
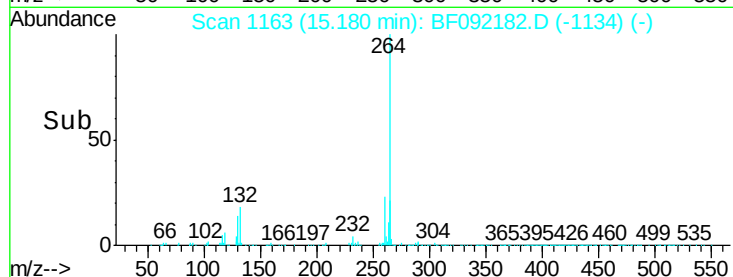
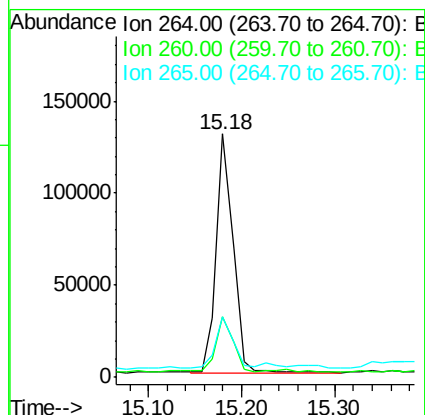
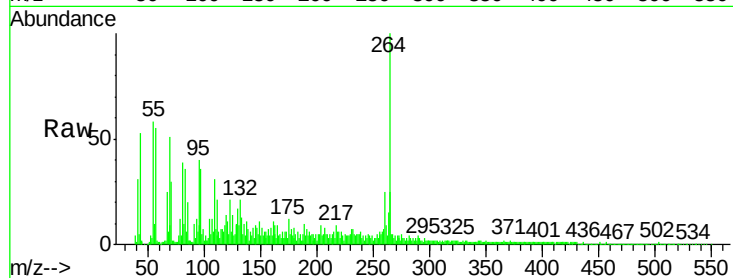




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

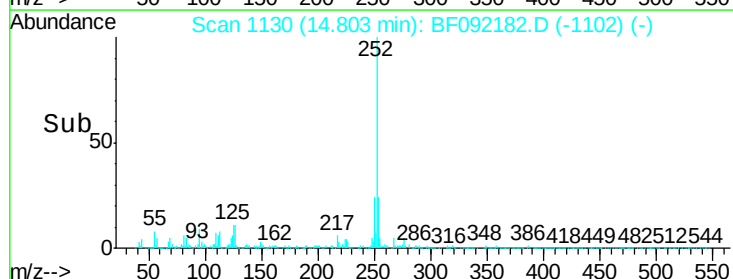
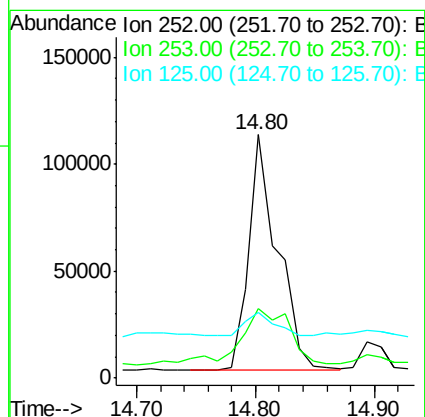
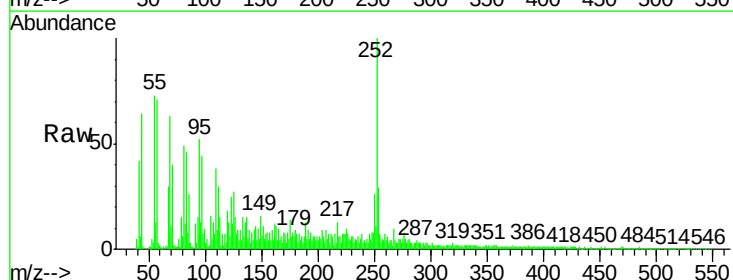
Instrument :
BNA_F
ClientSampleId :
P3-SP3RE

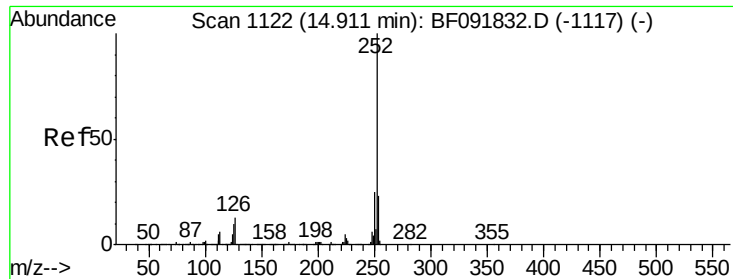
Tgt Ion:264 Resp: 164257
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 24.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 18.21 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:252 Resp: 186270
Ion Ratio Lower Upper
252 100
253 28.8 18.2 27.4#
125 27.0 9.8 14.6#

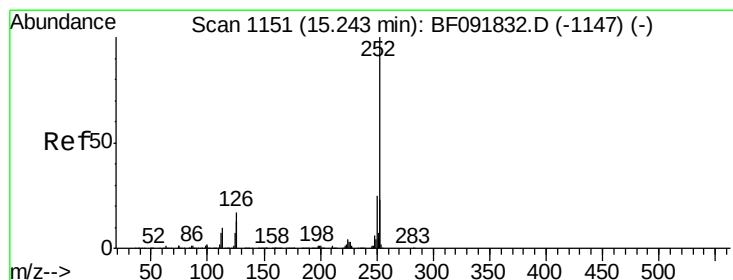
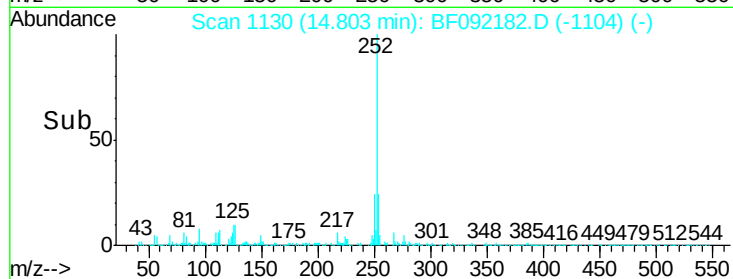
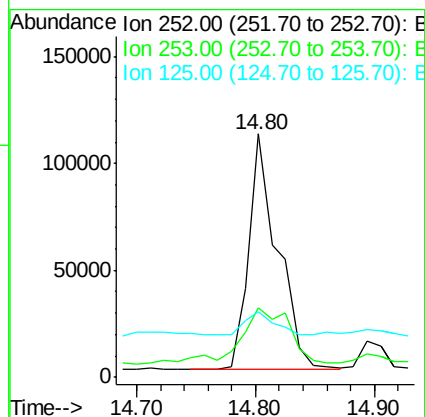
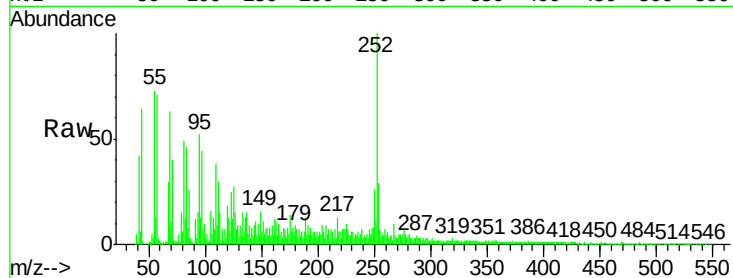




#88
Benzo(k)fluoranthene
Concen: 21.36 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

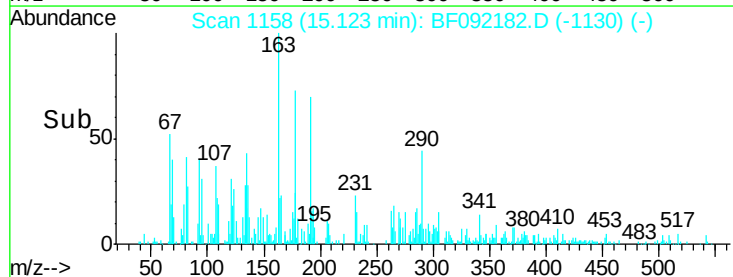
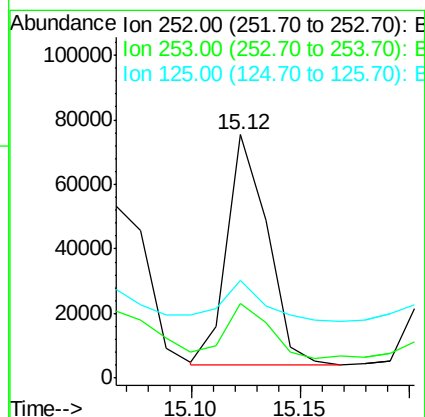
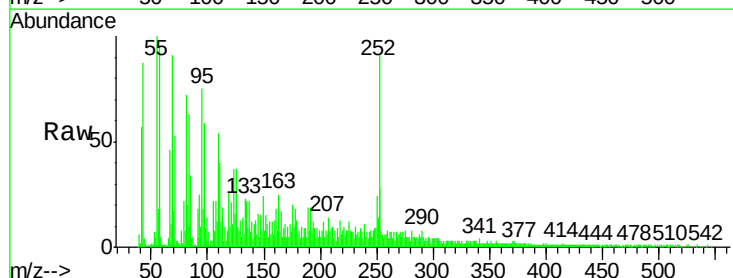
Instrument :
BNA_F
ClientSampleId :
P3-SP3RE

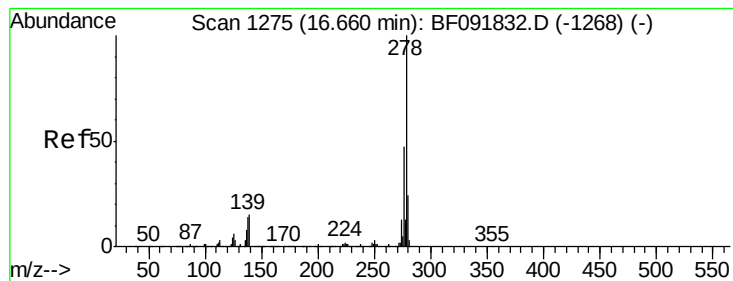
Tgt Ion:252 Resp: 186270
Ion Ratio Lower Upper
252 100
253 28.8 18.5 27.7#
125 27.0 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 10.18 ng
RT: 15.12 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:252 Resp: 92365
Ion Ratio Lower Upper
252 100
253 30.6 18.2 27.2#
125 40.2 10.0 15.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.21 ng

RT: 16.48 min Scan# 1277

Delta R.T. 0.05 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

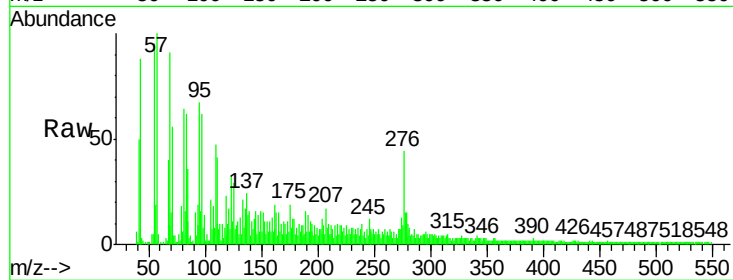
Tgt Ion:278 Resp: 16517

Ion Ratio Lower Upper

278 100

139 106.3 14.8 22.2#

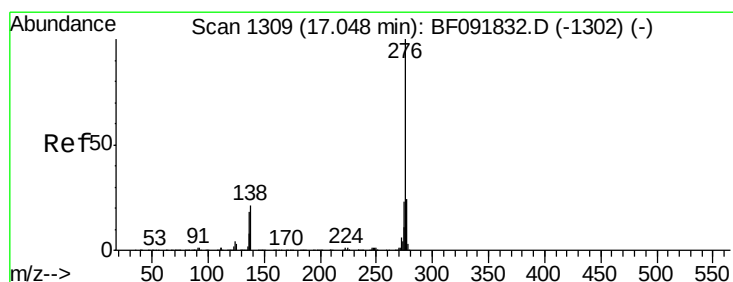
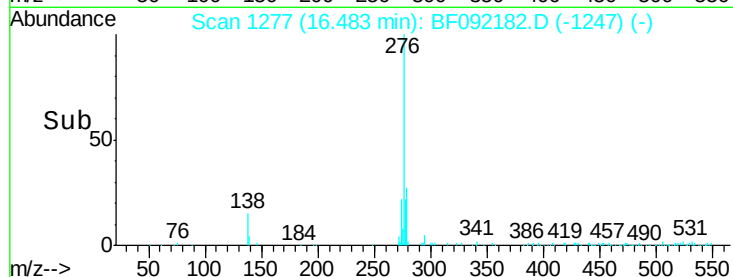
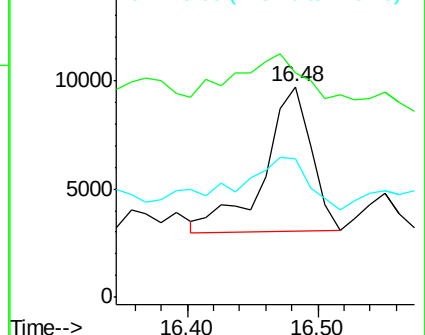
279 65.9 19.8 29.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.98 ng

RT: 16.87 min Scan# 1311

Delta R.T. 0.07 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

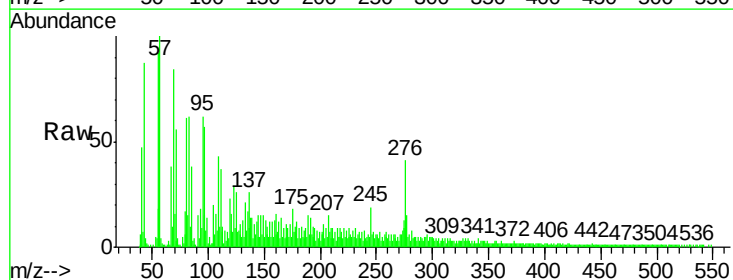
Tgt Ion:276 Resp: 54175

Ion Ratio Lower Upper

276 100

277 35.6 19.2 28.8#

138 34.8 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

