

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013017\
 Data File : BF092659.D
 Acq On : 31 Jan 2017 3:00
 Operator : SJ/MA
 Sample : I1593-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Quant Time: Jan 31 06:03:49 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	155188	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	587277	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	289253	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	374188	20.00	ng	0.00
75) Chrysene-d12	14.15	240	295071	20.00	ng	0.00
86) Perylene-d12	15.62	264	231265	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1471585	162.69	ng	0.01
7) Phenol-d6	6.61	99	1878323	161.39	ng	0.01
23) Nitrobenzene-d5	7.53	82	1057946	100.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	282246	134.91	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1722289	107.87	ng	0.00
78) Terphenyl-d14	13.08	244	1059703	84.38	ng	0.00

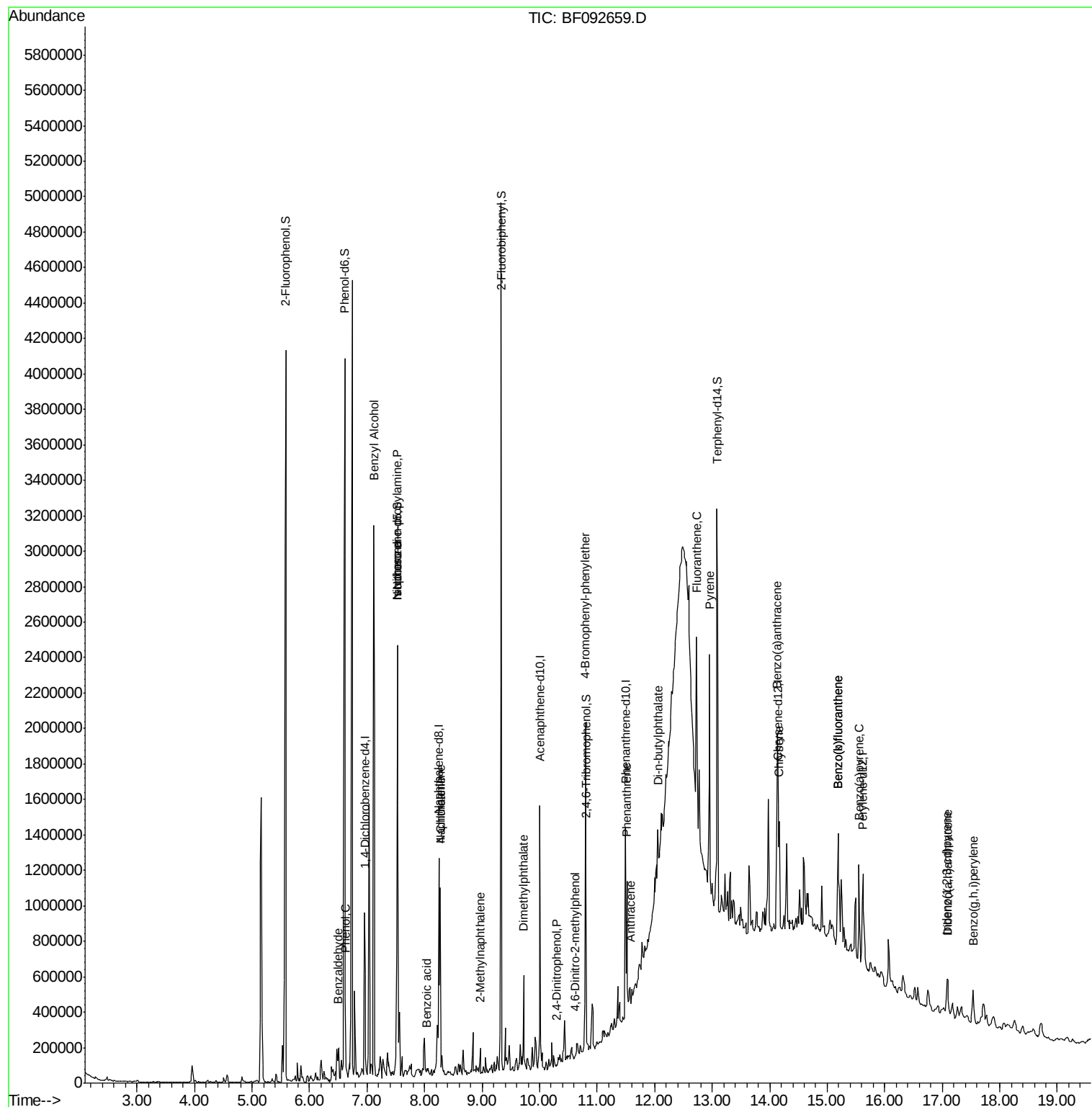
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	44117	5.29	ng	89
10) Phenol	6.62	94	134691	9.89	ng	# 60
15) Benzyl Alcohol	7.12	79	21503	2.50	ng	# 42
19) n-Nitroso-di-n-propylamine	7.53	70	153436	20.71	ng	# 85
25) Isophorone	7.53	82	1044800	53.17	ng	# 65
31) Naphthalene	8.27	128	407016	13.67	ng	99
32) Benzoic acid	8.03	122	4091	7.85	ng	# 39
33) 4-Chloroaniline	8.27	127	56481	4.84	ng	# 34
37) 2-Methylnaphthalene	8.97	142	46188	2.42	ng	96
49) Dimethylphthalate	9.72	163	155502	7.98	ng	99
53) 2,4-Dinitrophenol	10.29	184	224	4.83	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.61	198	306	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19625	5.02	ng	# 1
70) Phenanthrene	11.52	178	260749	12.16	ng	99
71) Anthracene	11.57	178	60248	2.80	ng	97
73) Di-n-butylphthalate	12.05	149	143507	6.45	ng	99
74) Fluoranthene	12.73	202	471974	21.34	ng	98
77) Pyrene	12.96	202	544906	24.68	ng	98
80) Benzo(a)anthracene	14.13	228	356073	19.73	ng	98
82) Chrysene	14.17	228	302208	17.89	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	157181	12.01	ng	97
87) Benzo(b)fluoranthene	15.19	252	500303	32.87	ng	# 97
88) Benzo(k)fluoranthene	15.19	252	500303	38.07	ng	# 96
89) Benzo(a)pyrene	15.55	252	264514	20.09	ng	97
90) Dibenzo(a,h)anthracene	17.09	278	37522	3.53	ng	# 85
91) Benzo(g,h,i)perylene	17.54	276	165743	15.42	ng	# 95

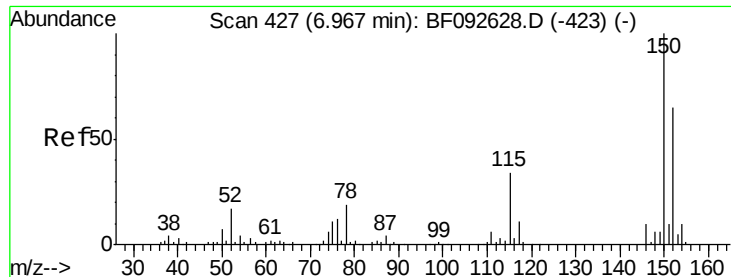
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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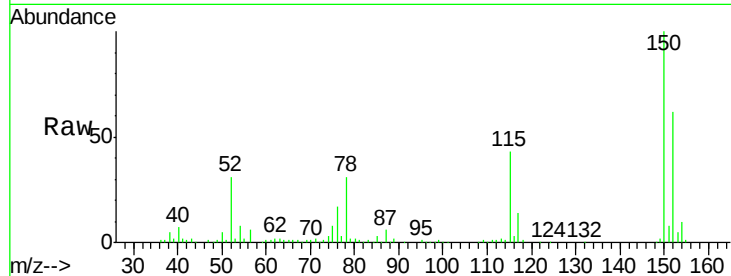




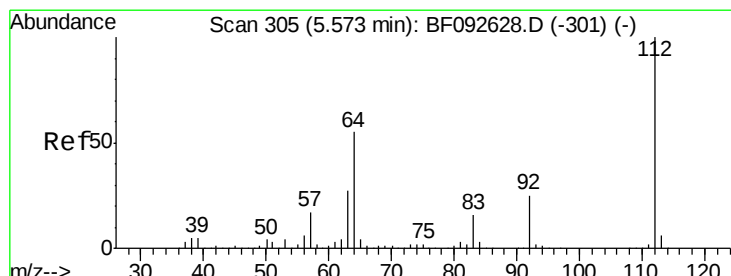
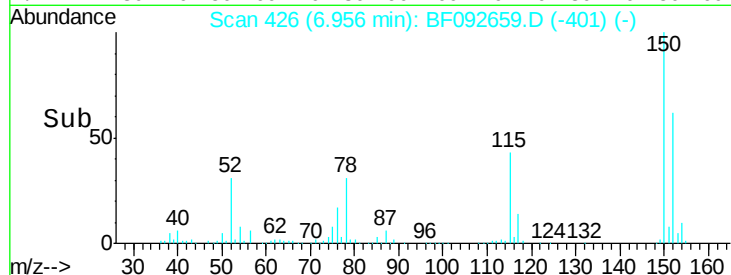
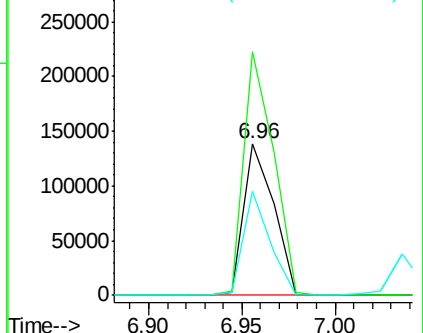
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Instrument :
 BNA_F
 ClientSampled :
 B2-7

Tgt Ion:152 Resp: 155188
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.9 187.3
 115 68.6 46.0 69.0

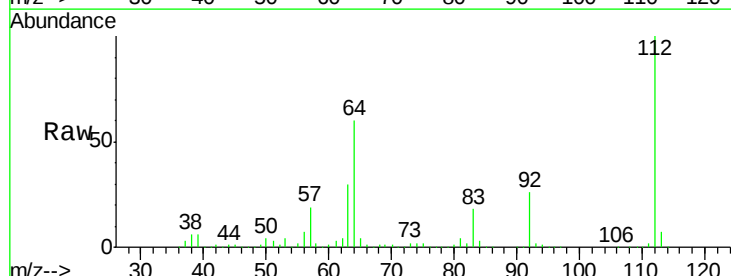


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

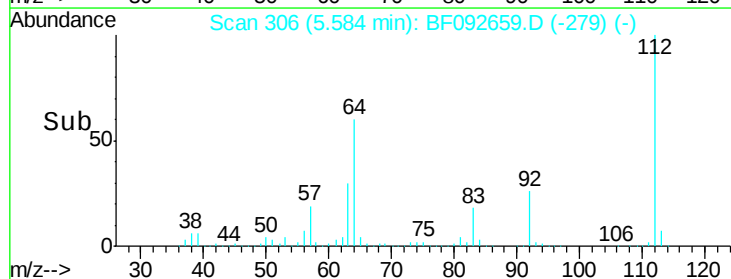
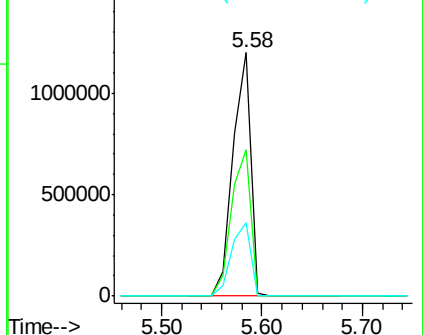


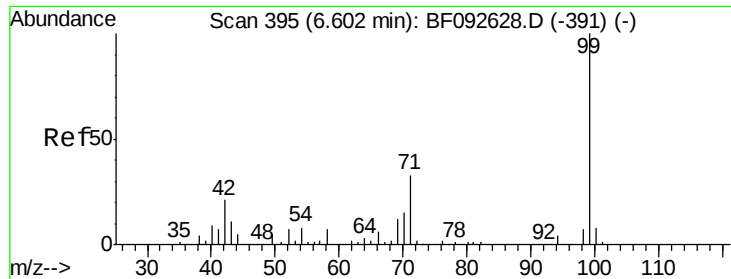
#5
 2-Fluorophenol
 Concen: 162.69 ng
 RT: 5.58 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Tgt Ion:112 Resp: 1471585
 Ion Ratio Lower Upper
 112 100
 64 60.3 46.1 69.1
 63 30.3 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: 161.39 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

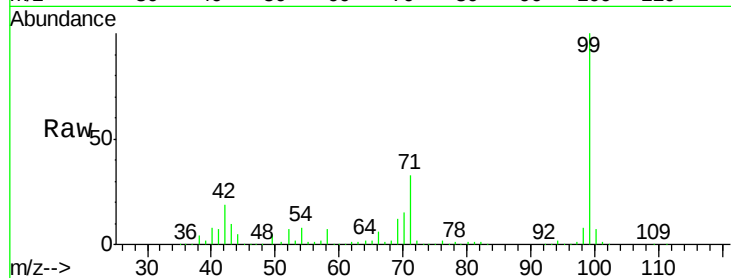
Tgt Ion: 99 Resp: 1878323

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

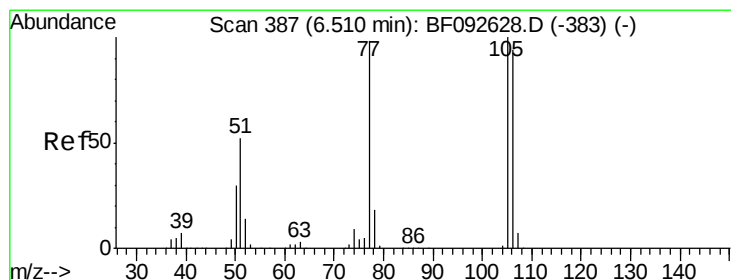
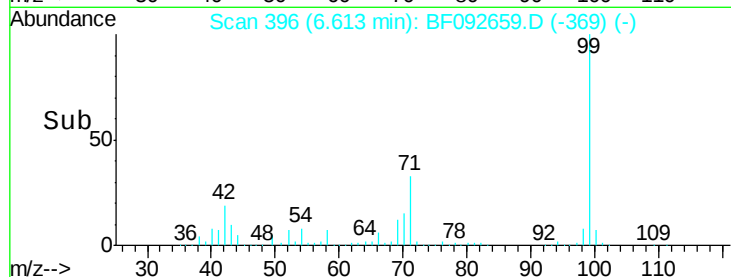
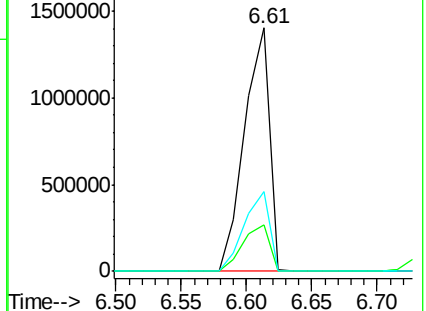
71 32.6 27.5 41.3



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



#9

Benzaldehyde

Concen: 5.29 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

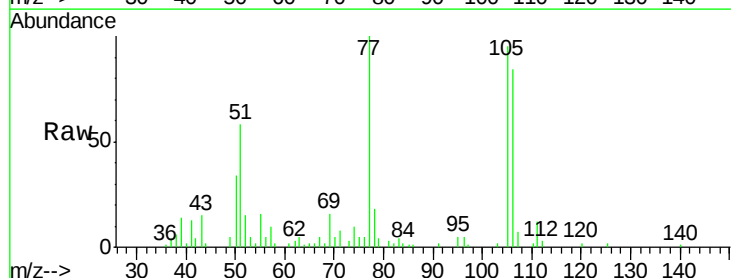
Tgt Ion: 77 Resp: 44117

Ion Ratio Lower Upper

77 100

105 95.0 83.9 123.9

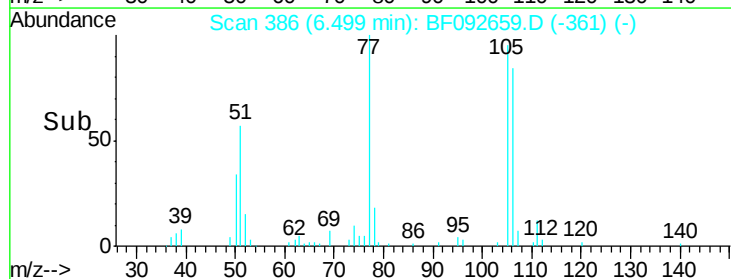
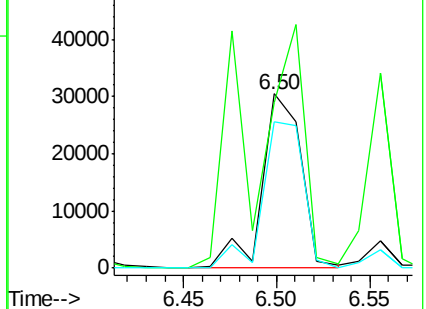
106 83.8 77.6 117.6

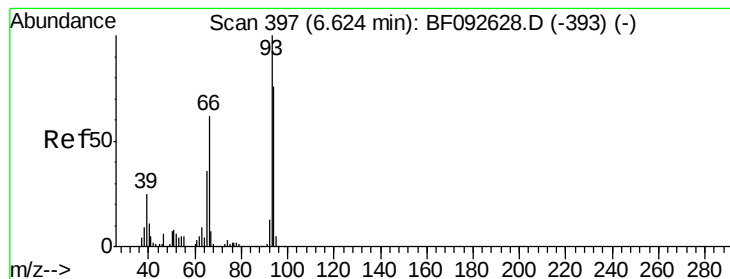


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 9.89 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

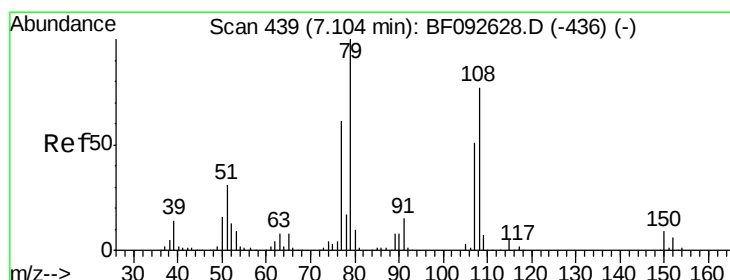
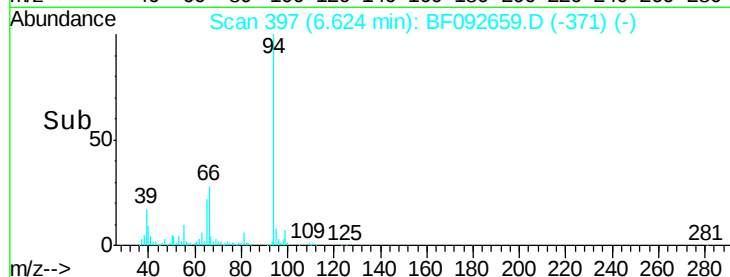
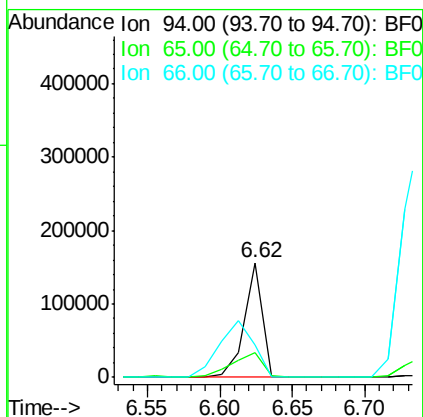
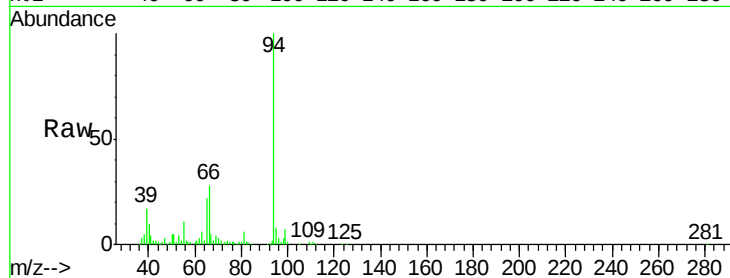
Tgt Ion: 94 Resp: 134691

Ion Ratio Lower Upper

94 100

65 22.0 21.4 61.4

66 28.2 44.0 84.0#



#15

Benzyl Alcohol

Concen: 2.50 ng

RT: 7.12 min Scan# 440

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

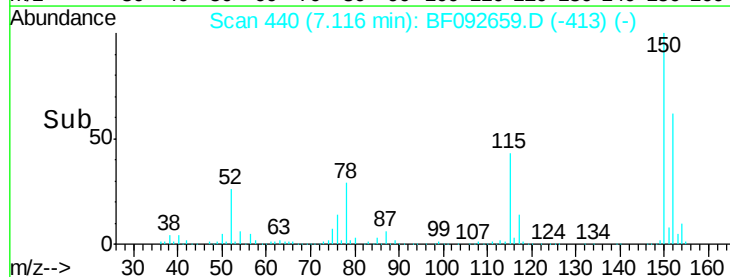
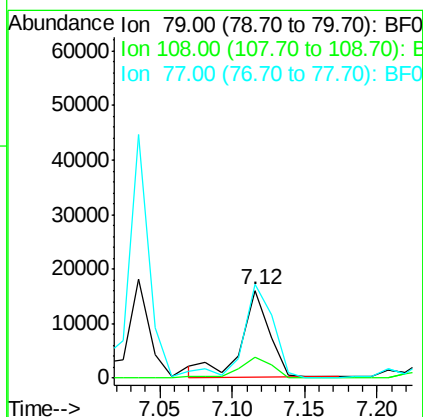
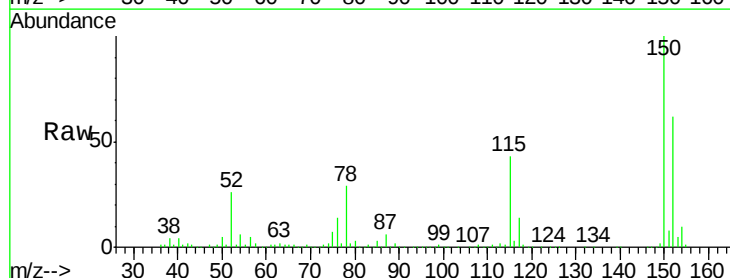
Tgt Ion: 79 Resp: 21503

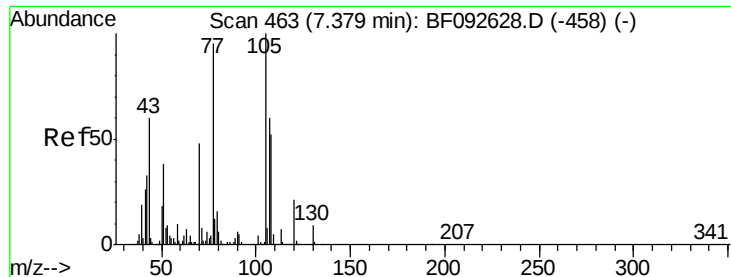
Ion Ratio Lower Upper

79 100

108 24.4 61.4 92.0#

77 107.0 50.9 76.3#

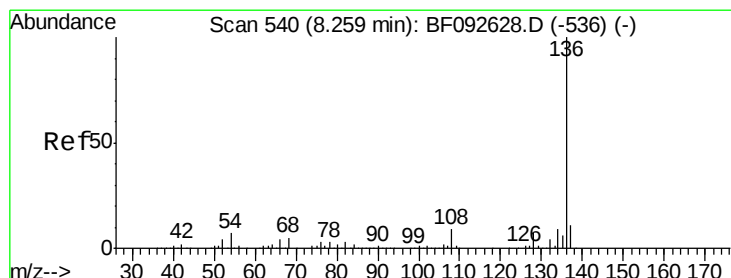
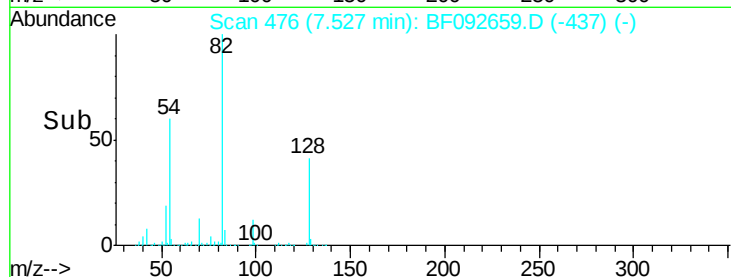
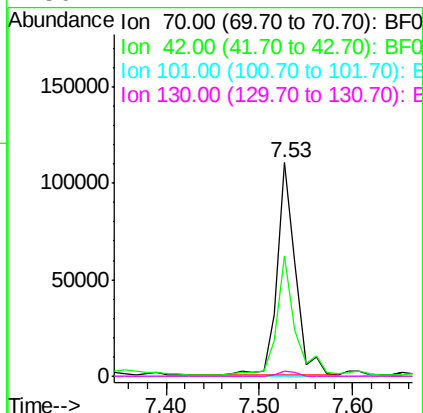
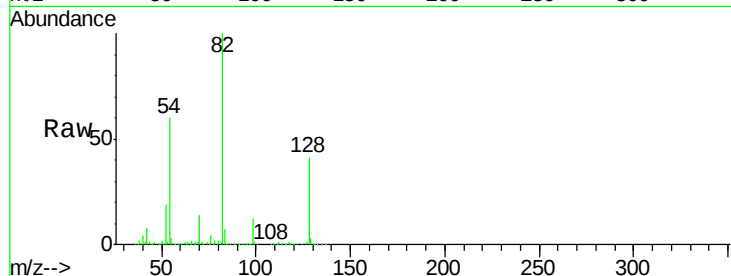




#19
n-Nitroso-di-n-propylamine
Concen: 20.71 ng
RT: 7.53 min Scan# 476
Delta R.T. 0.15 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

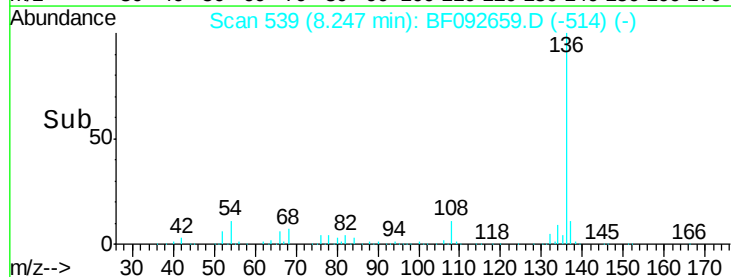
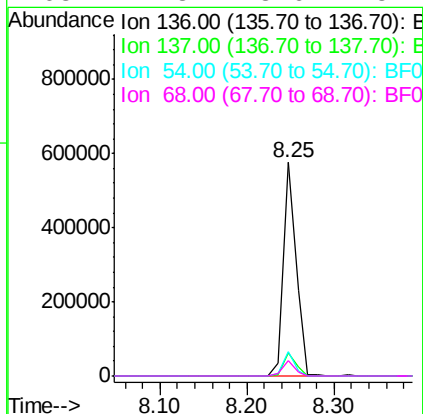
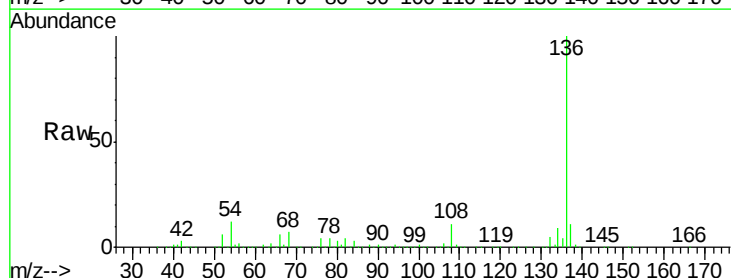
Instrument :
BNA_F
ClientSampleId :
B2-7

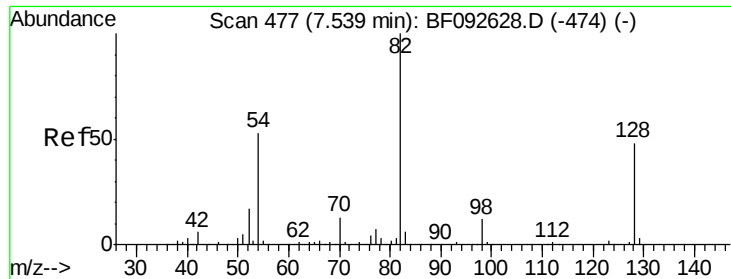
Tgt Ion: 70 Resp: 153436
Ion Ratio Lower Upper
70 100
42 56.2 49.4 74.0
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion: 136 Resp: 587277
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 11.5 4.5 6.7#
68 7.3 3.6 5.4#

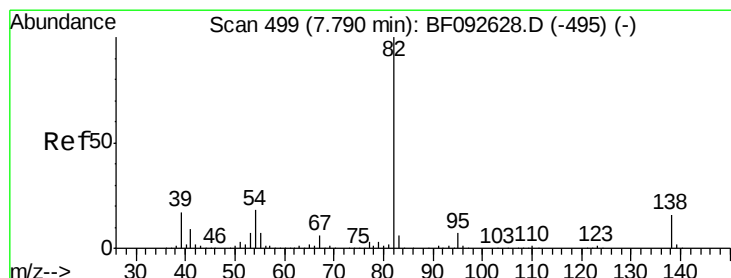
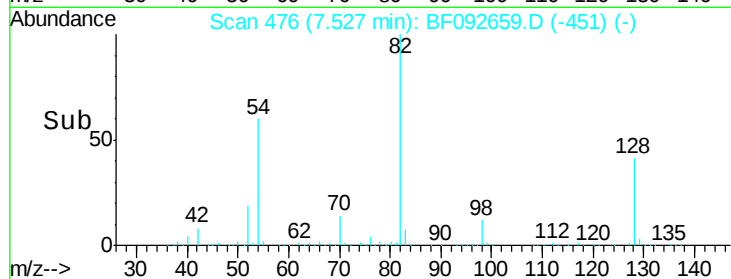
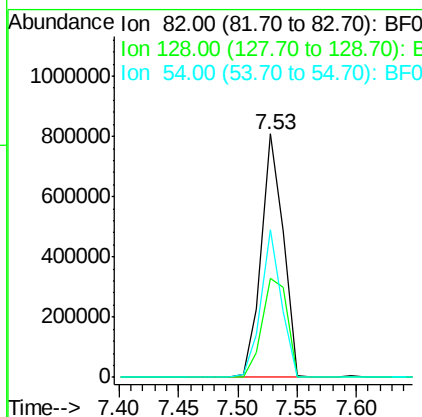
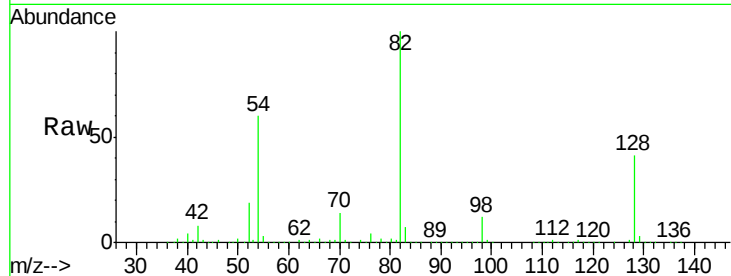




#23
 Nitrobenzene-d5
 Concen: 100.32 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

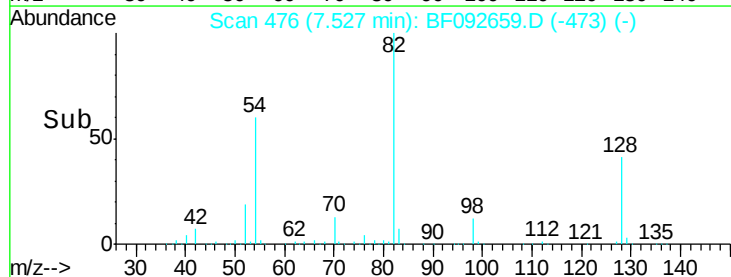
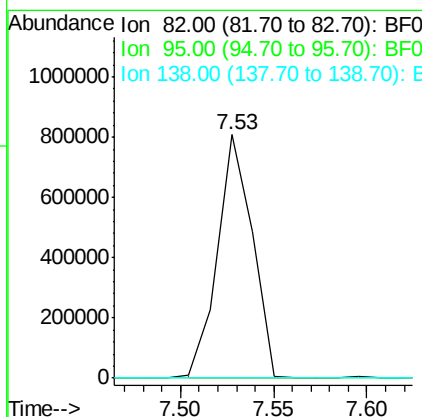
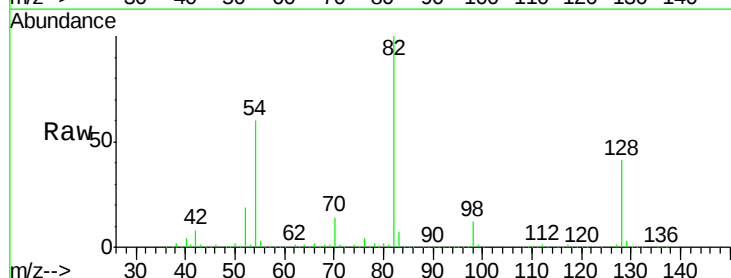
Instrument :
 BNA_F
 ClientSampled :
 B2-7

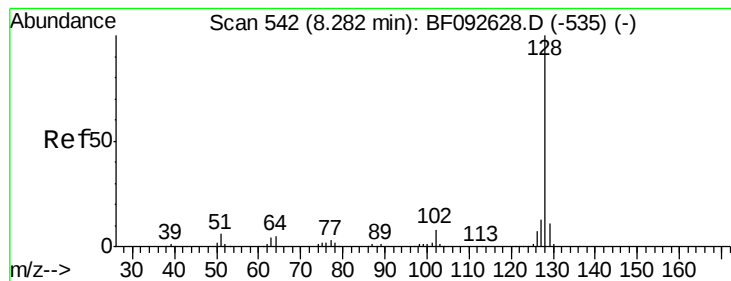
Tgt Ion: 82 Resp: 1057946
 Ion Ratio Lower Upper
 82 100
 128 40.5 34.6 52.0
 54 60.5 39.5 59.3#



#25
 Isophorone
 Concen: 53.17 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.26 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Tgt Ion: 82 Resp: 1044800
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.6 8.4#
 138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 13.67 ng

RT: 8.27 min Scan# 541

Delta R.T. -0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

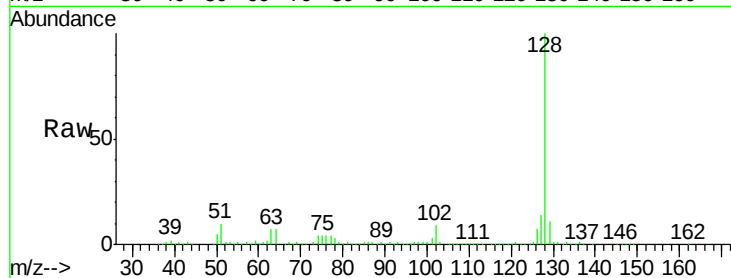
Tgt Ion:128 Resp: 407016

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

600000

500000

400000

300000

200000

100000

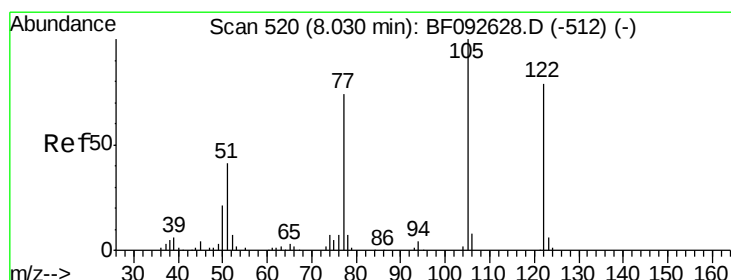
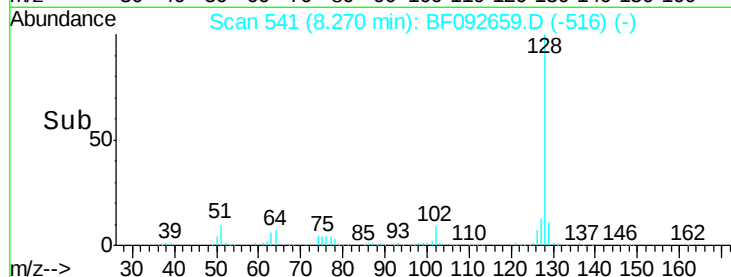
0

8.20

8.30

8.40

Time-->



#32

Benzoic acid

Concen: 7.85 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

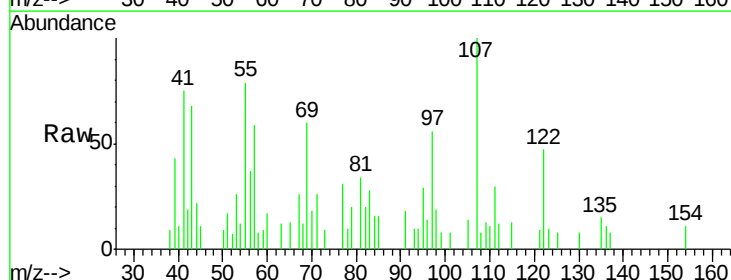
Tgt Ion:122 Resp: 4091

Ion Ratio Lower Upper

122 100

105 29.6 107.2 147.2#

77 65.9 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

12000

10000

8000

6000

4000

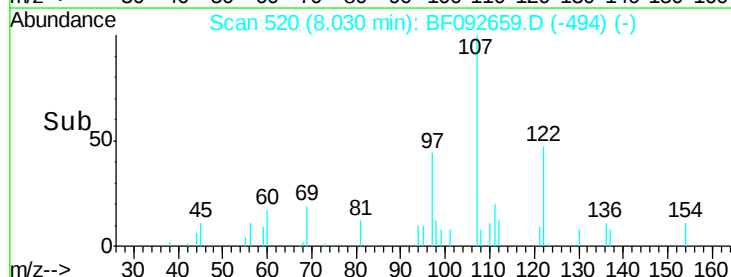
2000

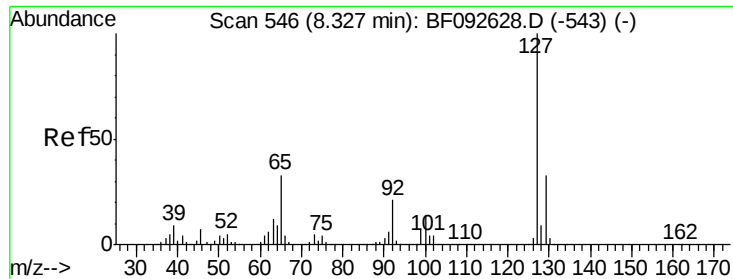
0

8.00

8.05

Time-->

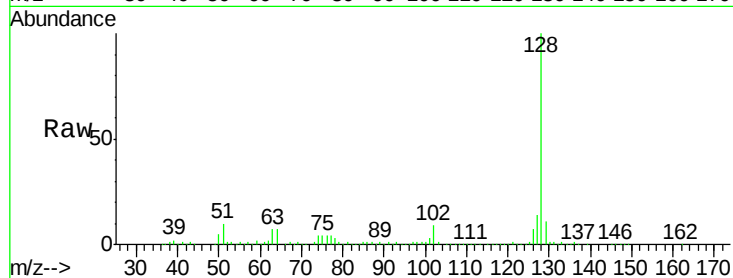




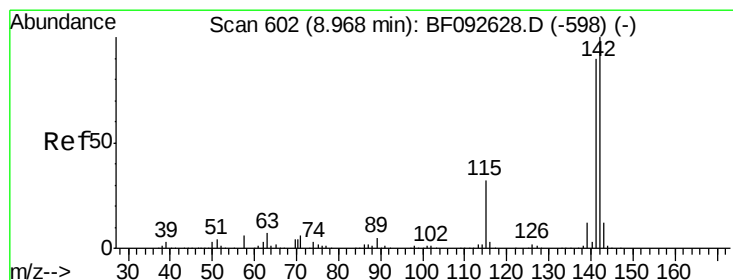
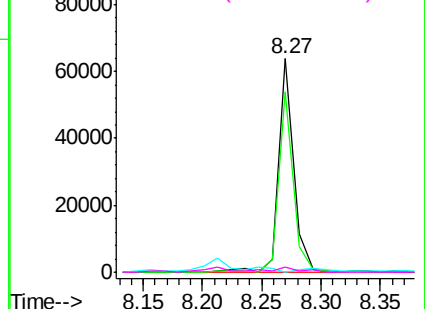
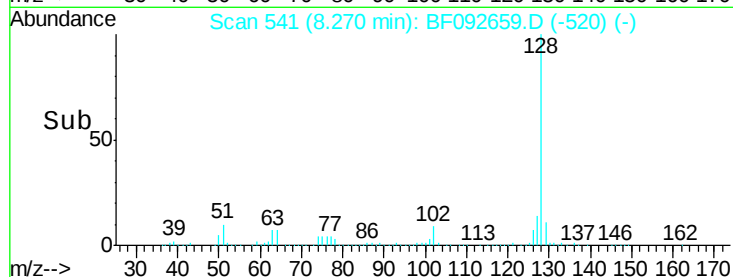
#33
 4-Chloroaniline
 Concen: 4.84 ng
 RT: 8.27 min Scan# 541
 Delta R.T. -0.06 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Instrument :
 BNA_F
 ClientSampled :
 B2-7

Tgt Ion:	127	Resp:	56481
Ion	Ratio	Lower	Upper
127	100		
129	84.6	26.3	39.5#
65	0.0	25.8	38.8#
92	2.7	16.1	24.1#

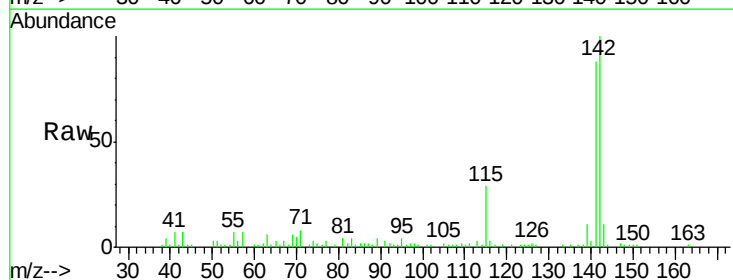


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

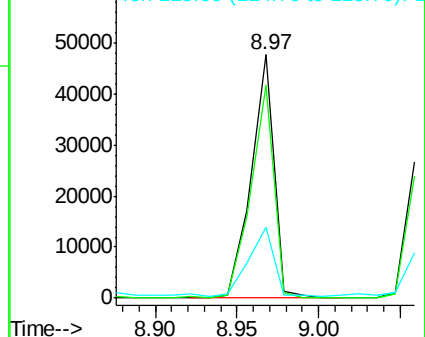
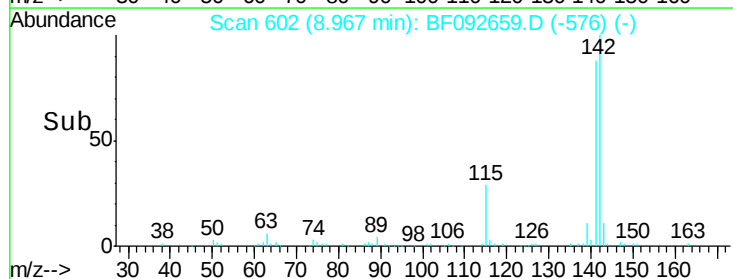


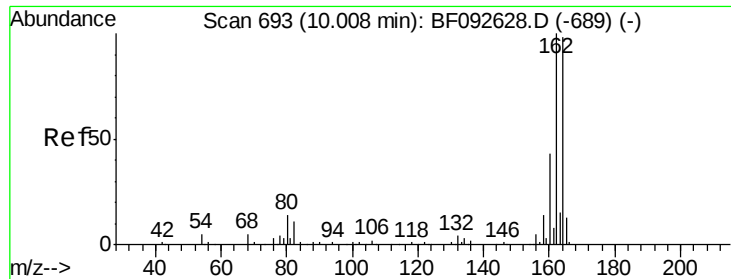
#37
 2-Methylnaphthalene
 Concen: 2.42 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Tgt Ion:	142	Resp:	46188
Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.6
115	28.8	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

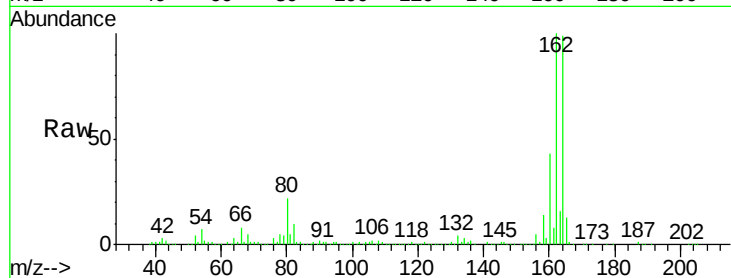




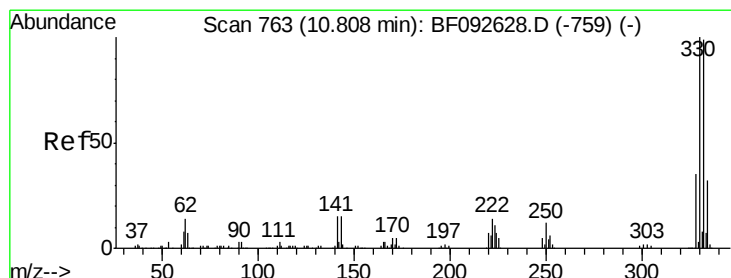
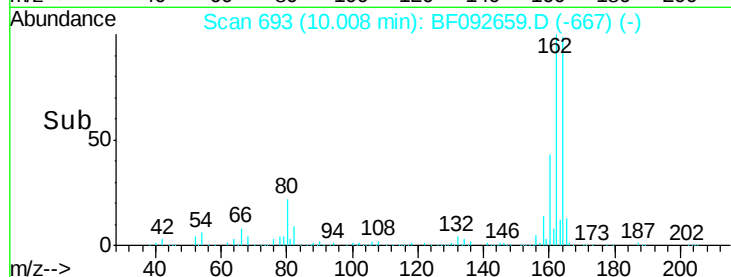
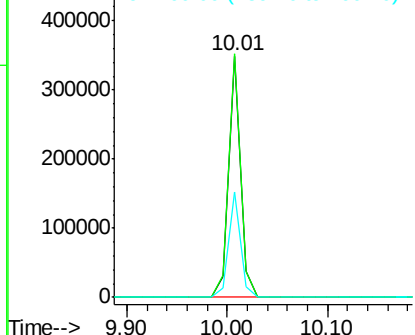
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Tgt Ion:164 Resp: 289253
 Ion Ratio Lower Upper
 164 100
 162 101.0 80.2 120.2
 160 43.5 36.9 55.3

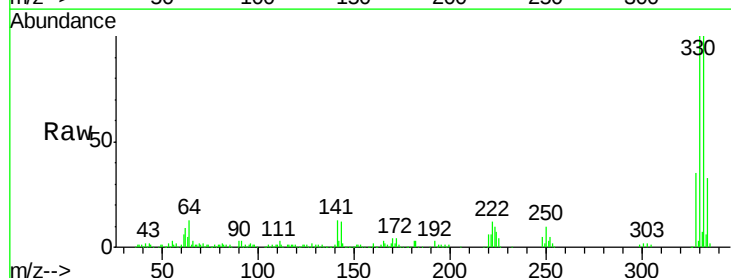


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

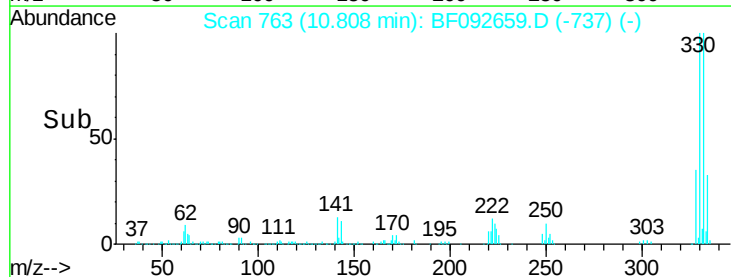
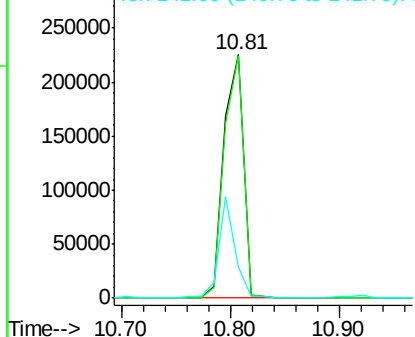


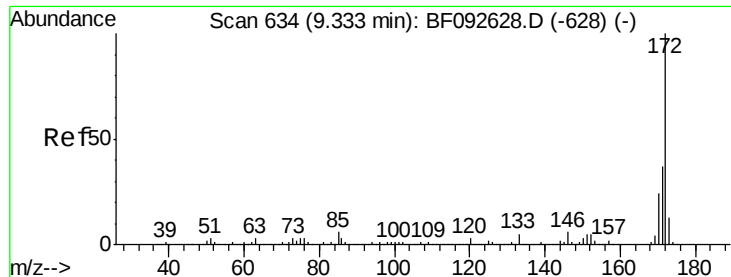
#41
 2,4,6-Tribromophenol
 Concen: 134.91 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Tgt Ion:330 Resp: 282246
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 33.7 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

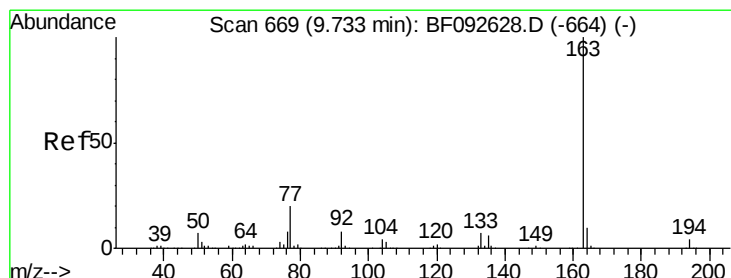
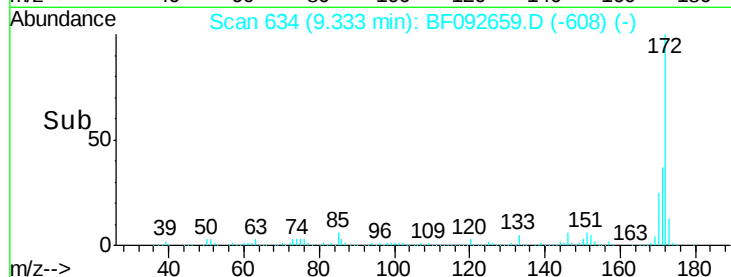
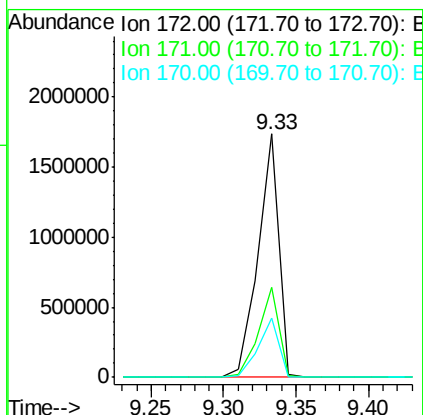
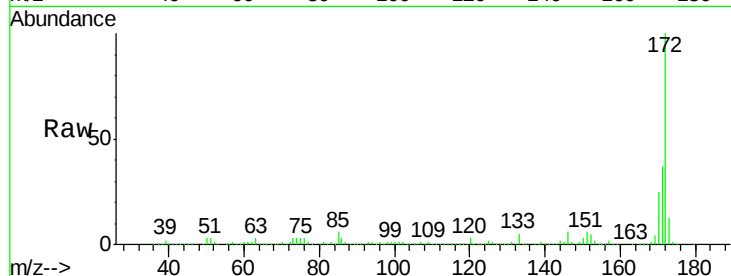




#44
 2-Fluorobiphenyl
 Concen: 107.87 ng
 RT: 9.33 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

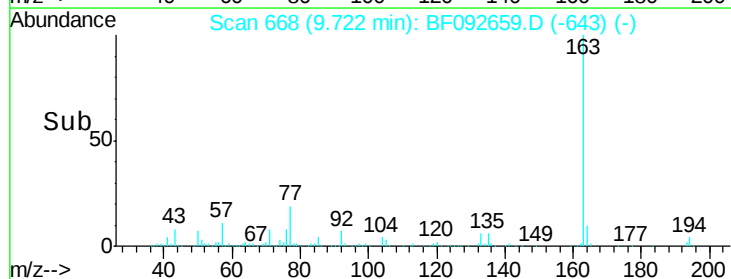
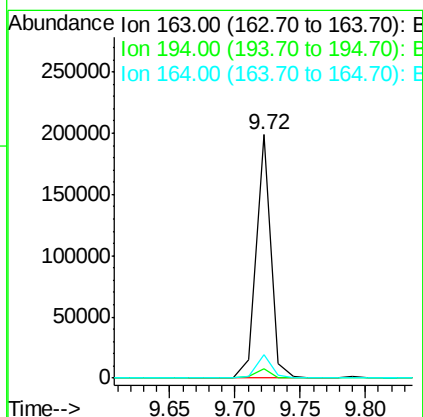
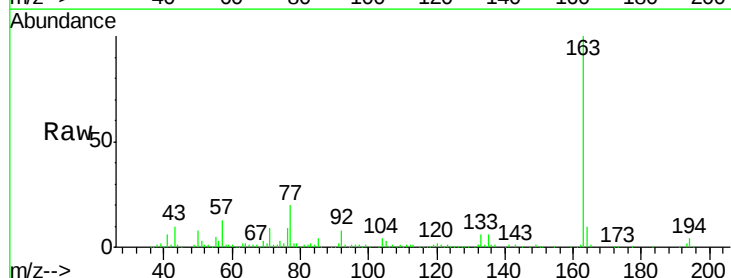
Instrument :
 BNA_F
 ClientSampleId :
 B2-7

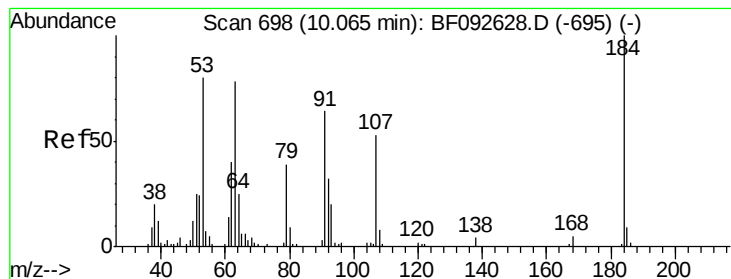
Tgt Ion:172 Resp: 1722289
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.6 20.2 30.4



#49
 Dimethylphthalate
 Concen: 7.98 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Tgt Ion:163 Resp: 155502
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.4
 164 9.7 8.0 12.0





#53

2,4-Dinitrophenol

Concen: 4.83 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.23 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

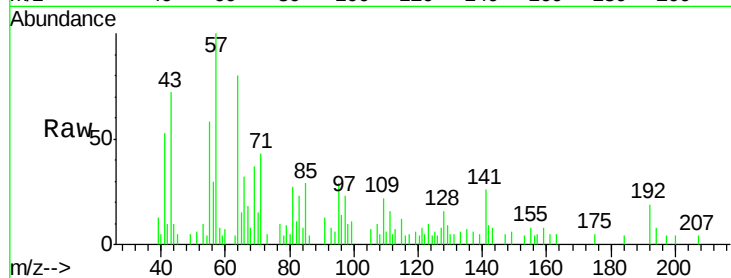
Tgt Ion:184 Resp: 224

Ion Ratio Lower Upper

184 100

63 115.6 28.4 42.6#

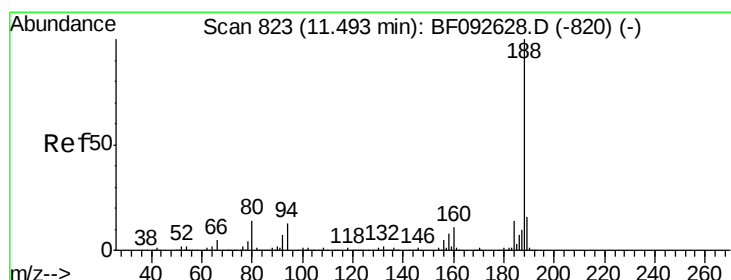
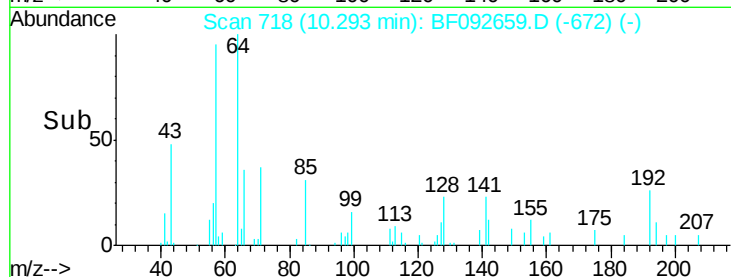
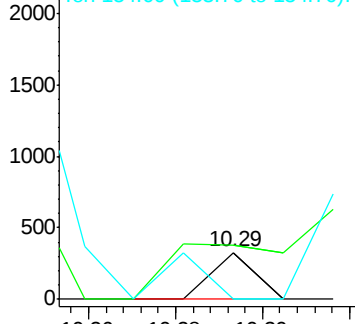
154 0.0 44.3 66.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

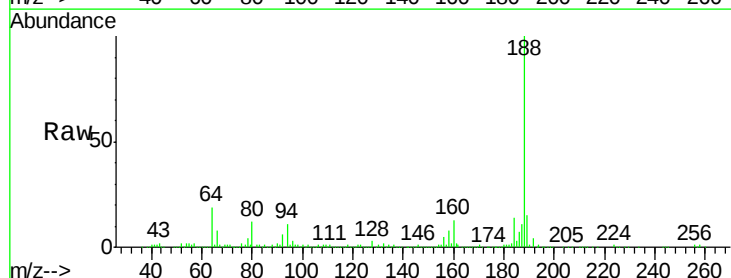
Tgt Ion:188 Resp: 374188

Ion Ratio Lower Upper

188 100

94 11.3 10.0 15.0

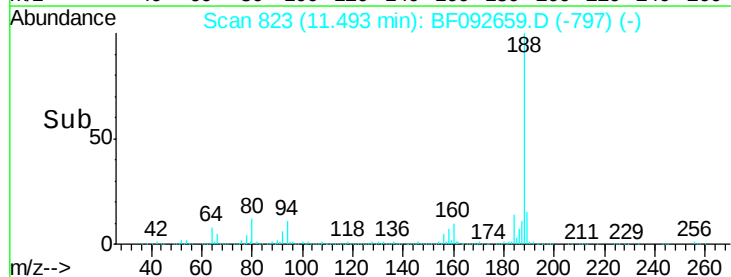
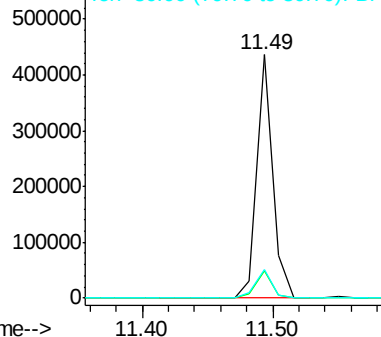
80 11.8 11.2 16.8

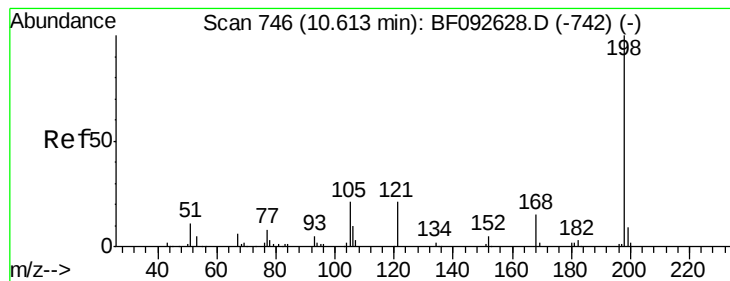


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.80 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

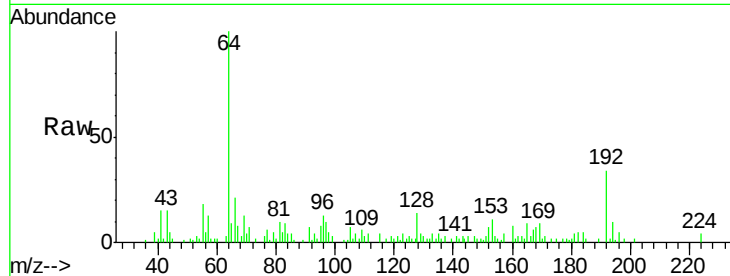
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 117.9 6.7 46.7#

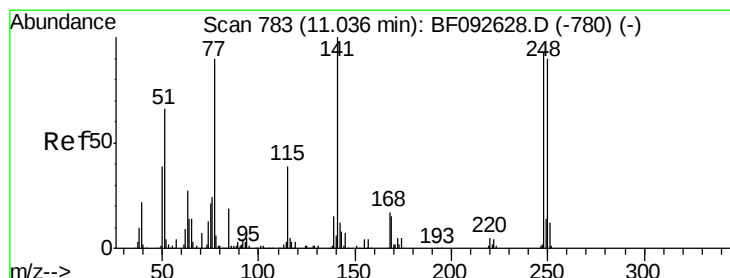
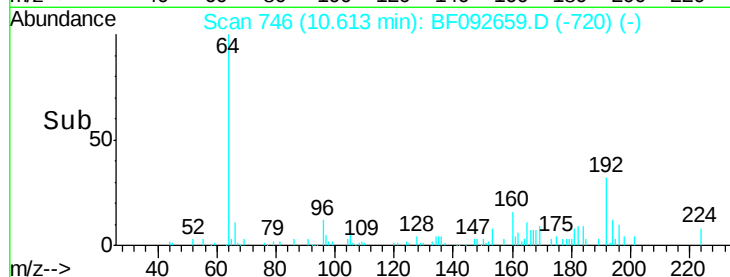
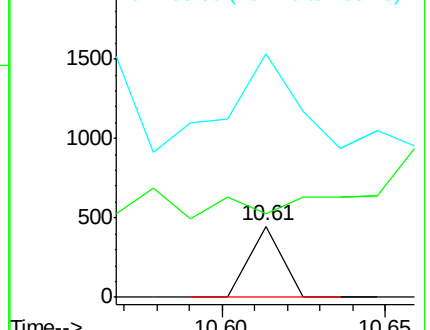
105 343.7 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.02 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

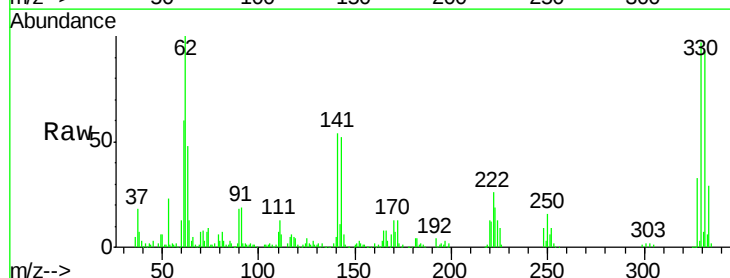
Tgt Ion:248 Resp: 19625

Ion Ratio Lower Upper

248 100

250 185.8 76.9 115.3#

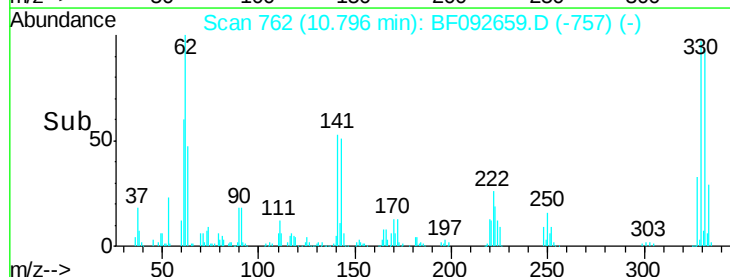
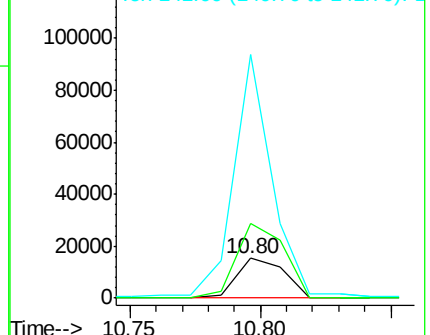
141 610.4 68.2 102.4#

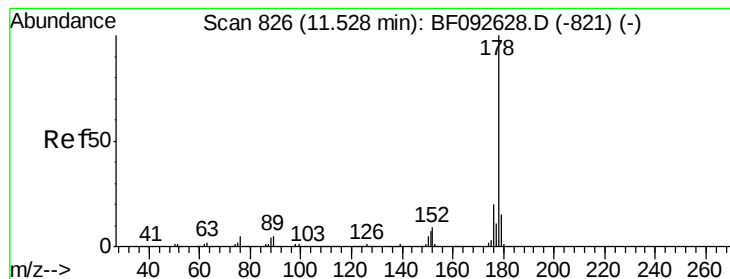


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 12.16 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

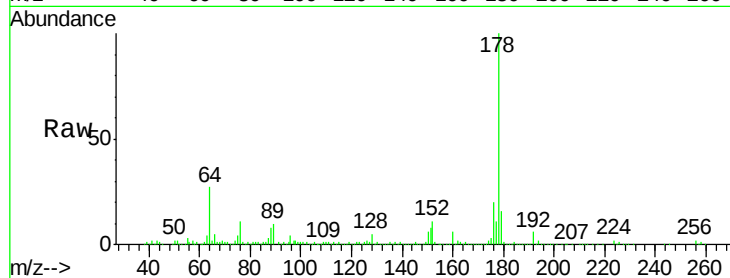
Tgt Ion:178 Resp: 260749

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

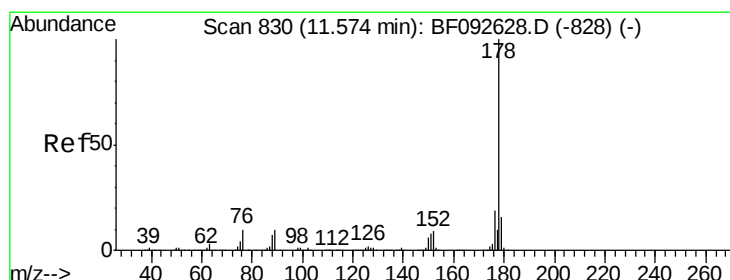
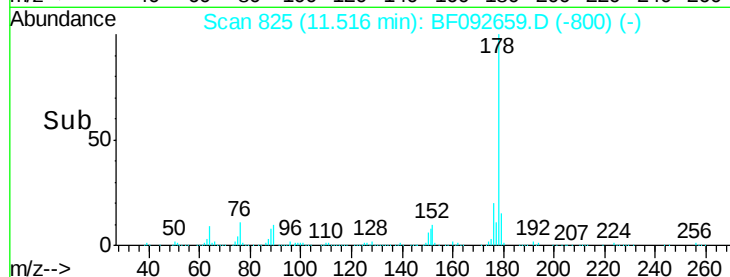
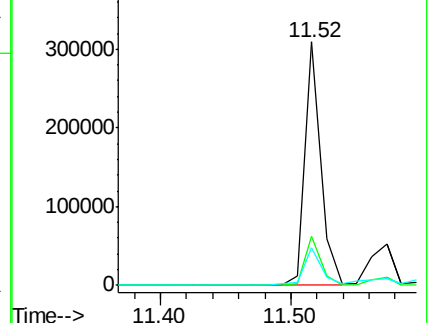
179 15.7 12.8 19.2



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: 2.80 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

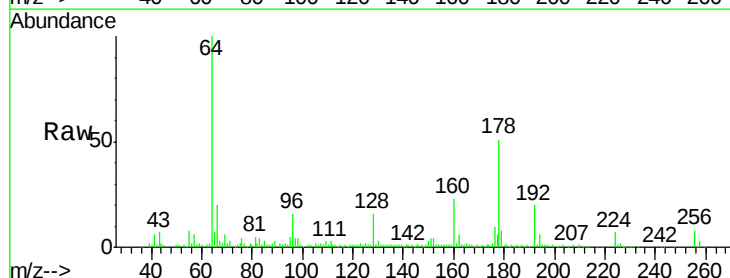
Tgt Ion:178 Resp: 60248

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

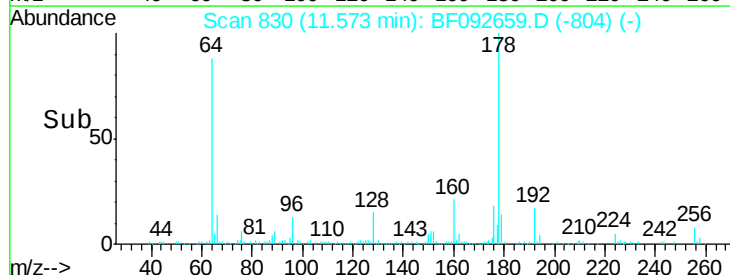
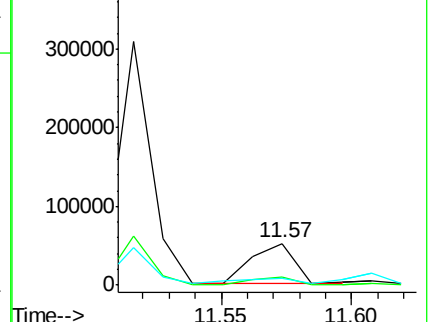
179 15.4 13.2 19.8

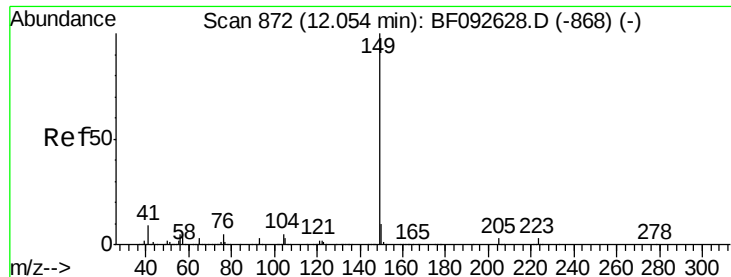


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 6.45 ng

RT: 12.05 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

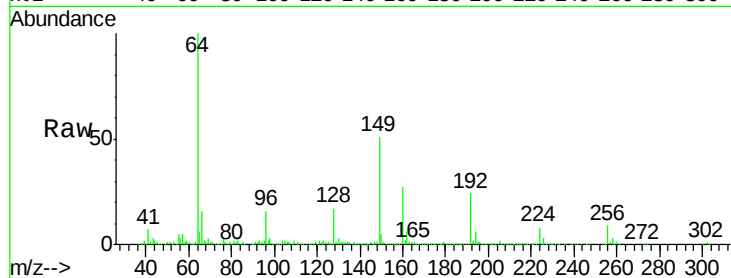
Tgt Ion:149 Resp: 143507

Ion Ratio Lower Upper

149 100

150 10.0 8.1 12.1

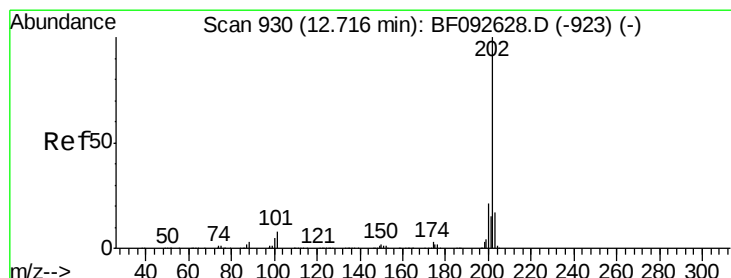
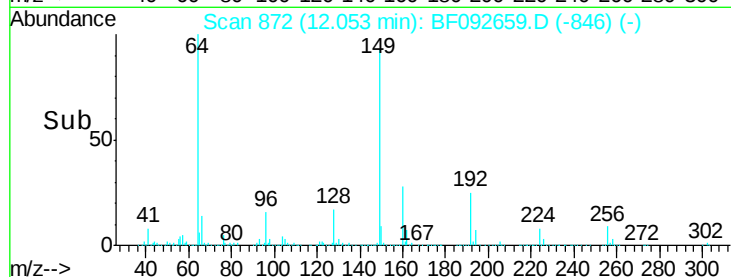
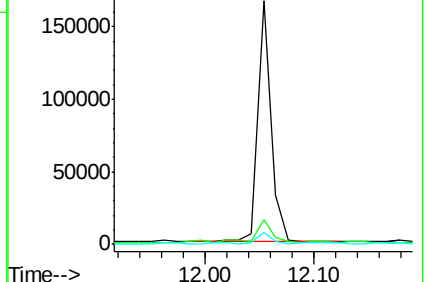
104 4.7 4.6 7.0



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: 21.34 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

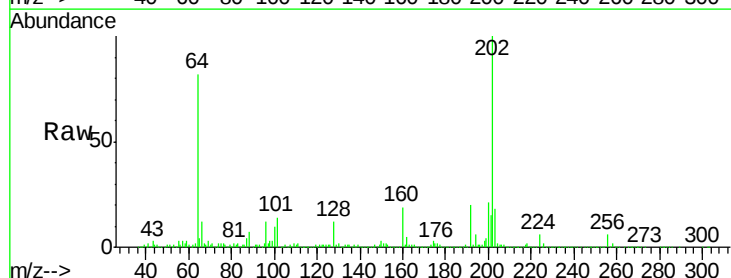
Tgt Ion:202 Resp: 471974

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.6

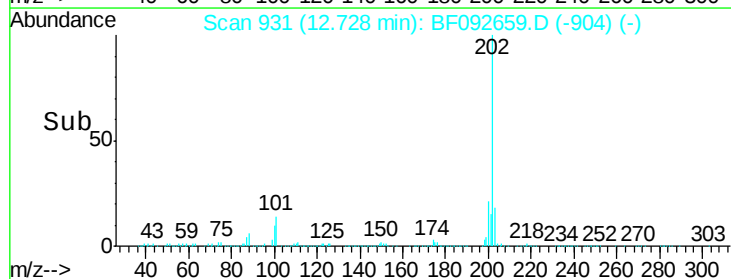
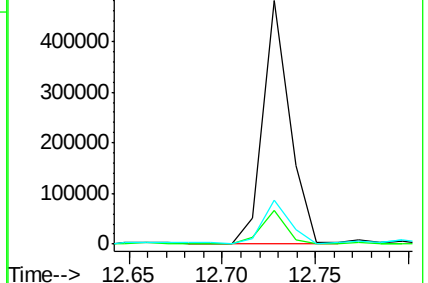
203 17.9 0.0 38.7

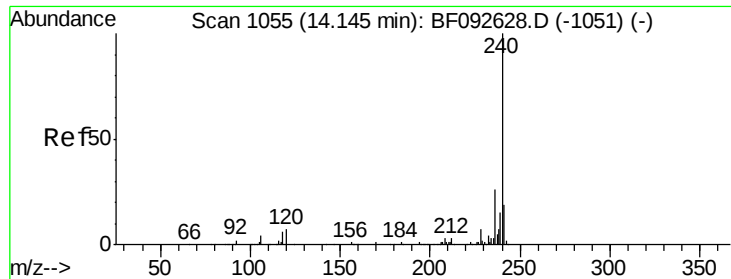


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

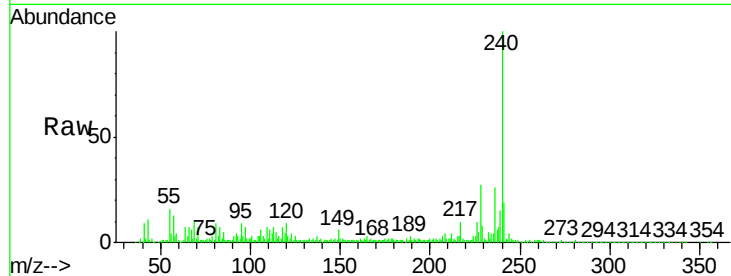
Tgt Ion:240 Resp: 295071

Ion Ratio Lower Upper

240 100

120 8.7 12.9 19.3#

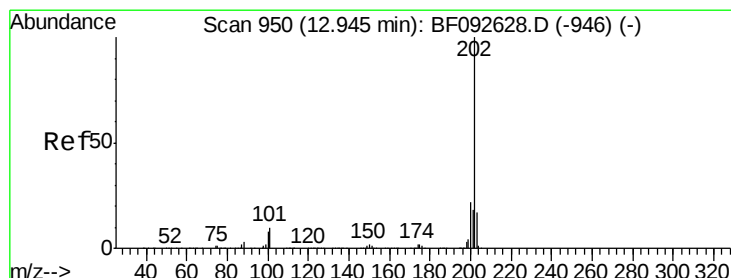
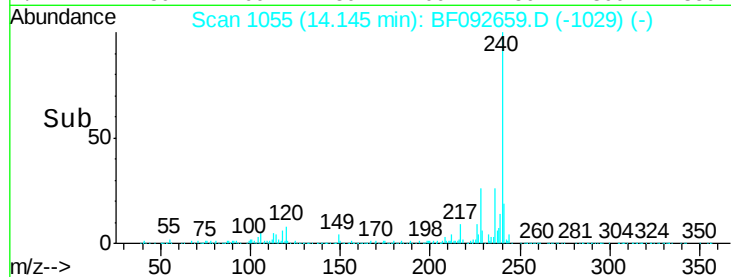
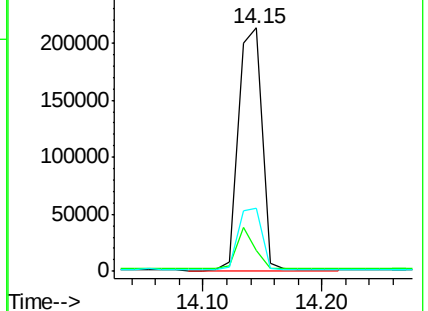
236 26.2 20.9 31.3



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: 24.68 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

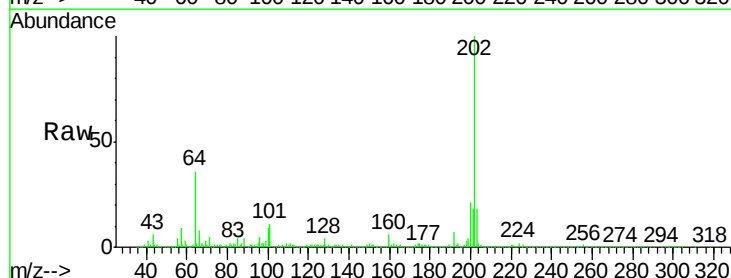
Tgt Ion:202 Resp: 544906

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

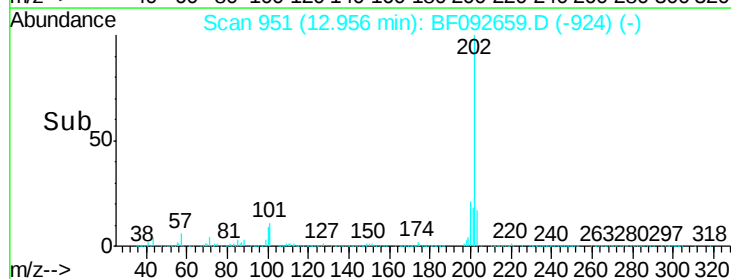
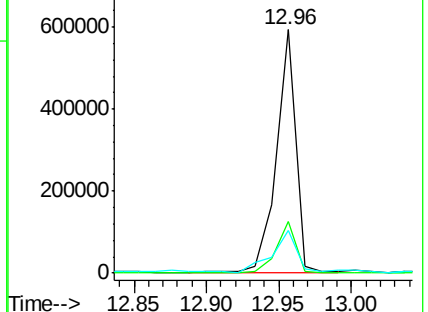
203 17.8 14.7 22.1

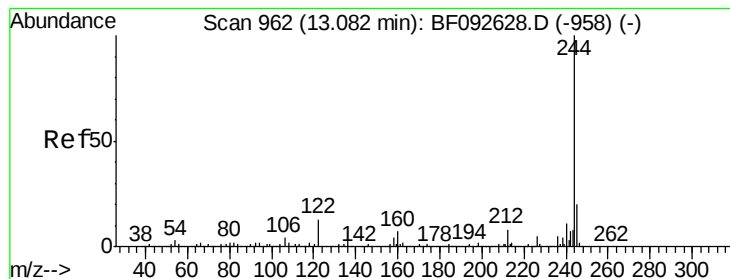


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.38 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

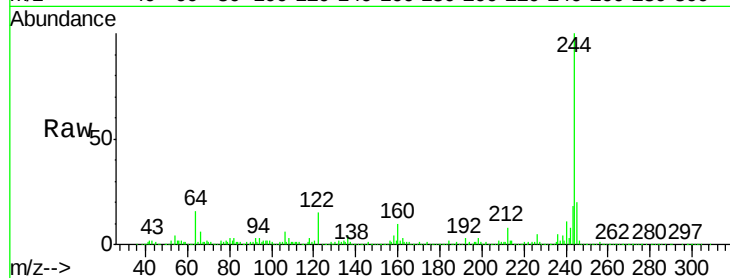
Tgt Ion:244 Resp: 1059703

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

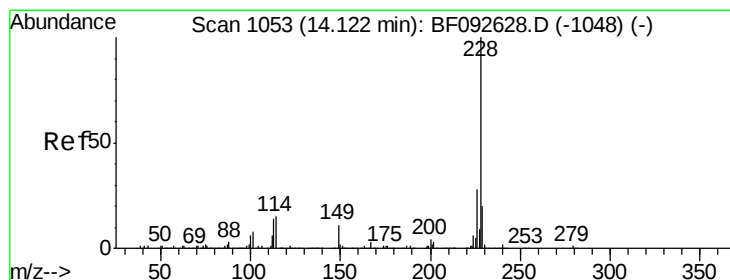
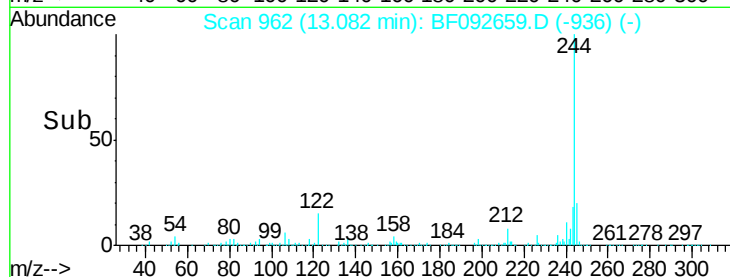
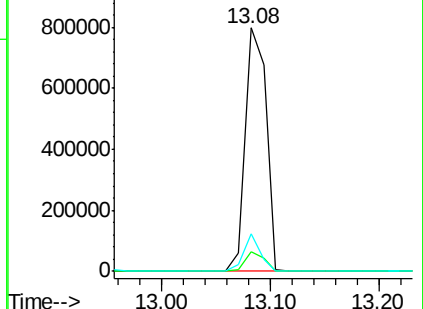
122 15.5 11.4 17.2



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: 19.73 ng

RT: 14.13 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

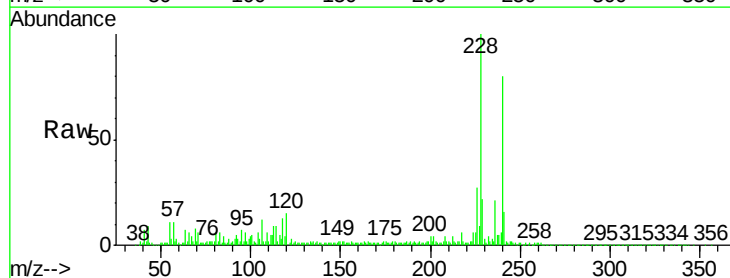
Tgt Ion:228 Resp: 356073

Ion Ratio Lower Upper

228 100

226 27.3 22.4 33.6

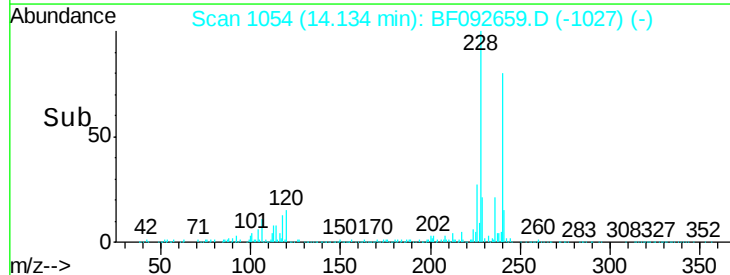
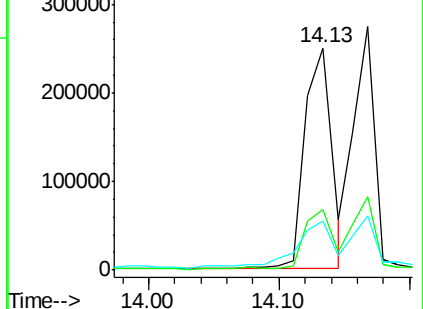
229 22.2 16.2 24.4

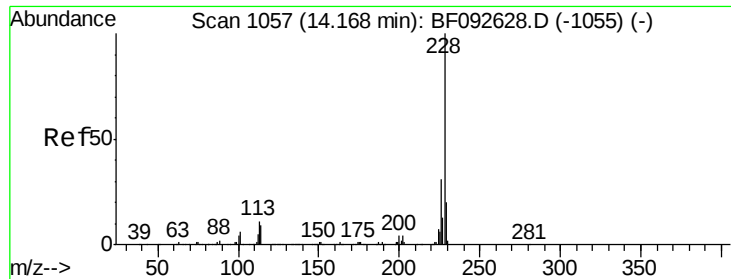


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.89 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

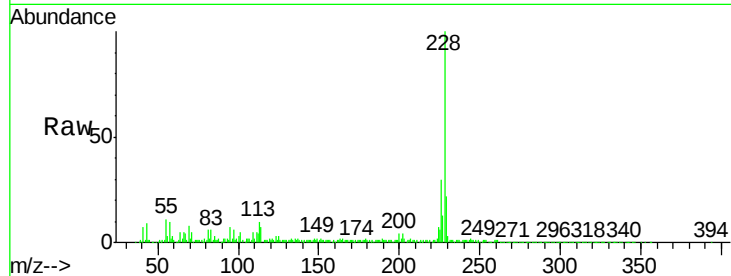
Tgt Ion: 228 Resp: 302208

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.0

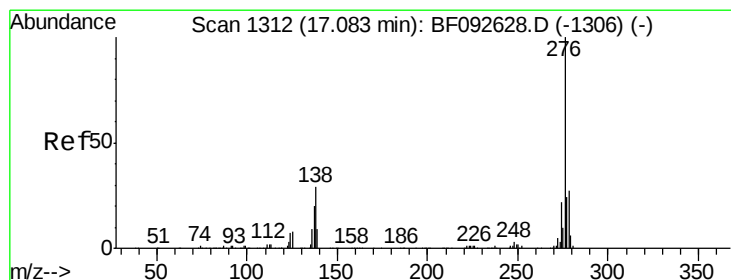
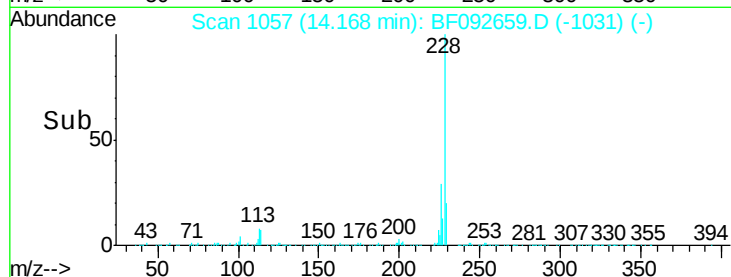
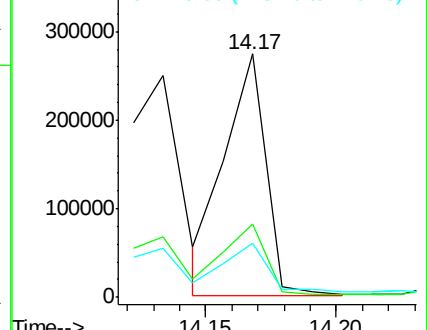
229 22.3 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.01 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

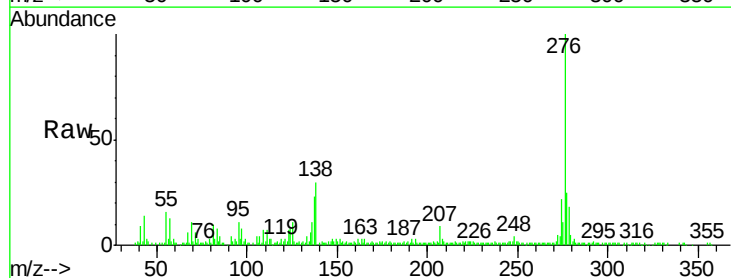
Tgt Ion: 276 Resp: 157181

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.6

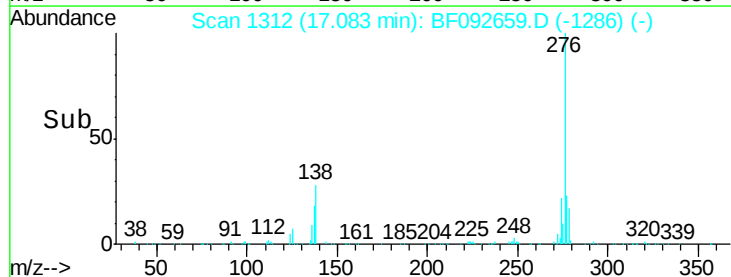
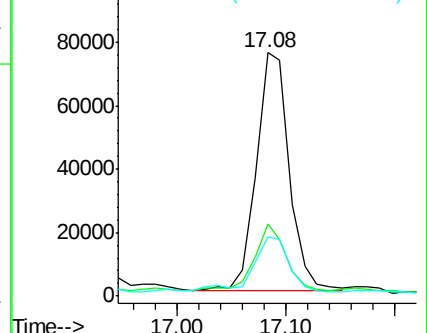
277 28.4 20.2 30.4

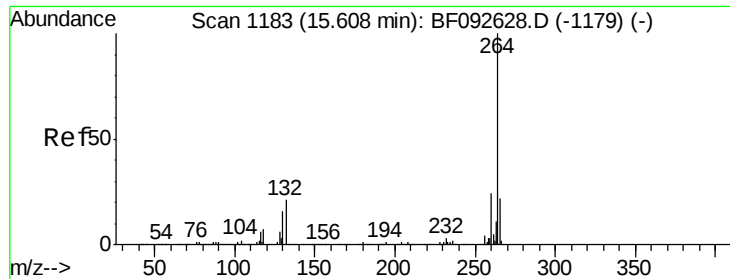


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

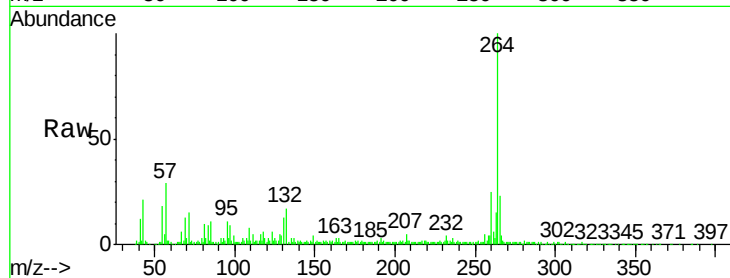




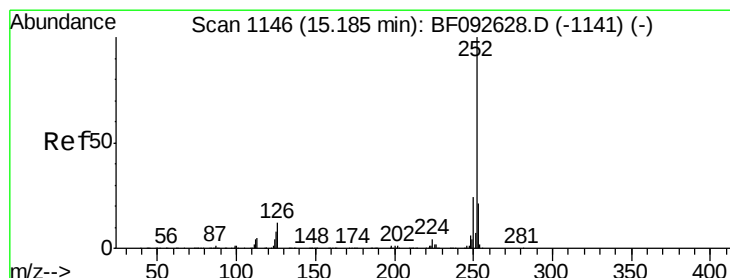
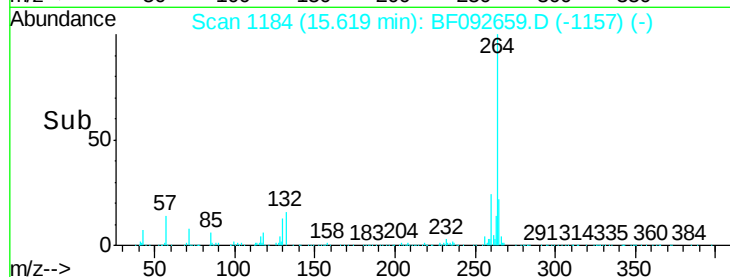
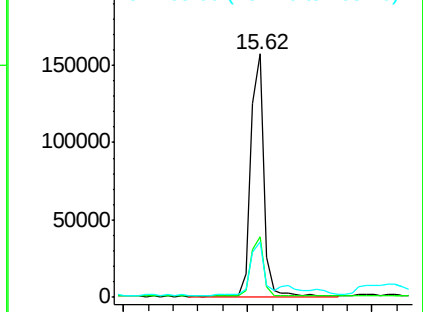
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampleId :
B2-7

Tgt Ion: 264 Resp: 231265
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.9 17.4 26.0

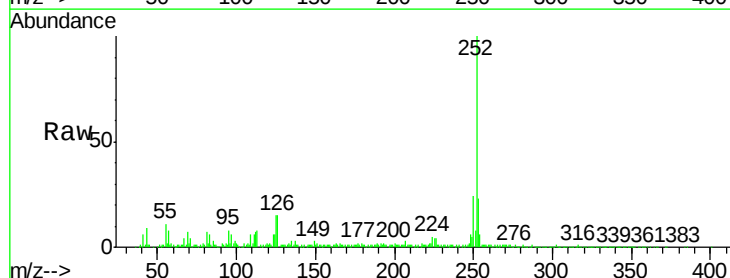


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

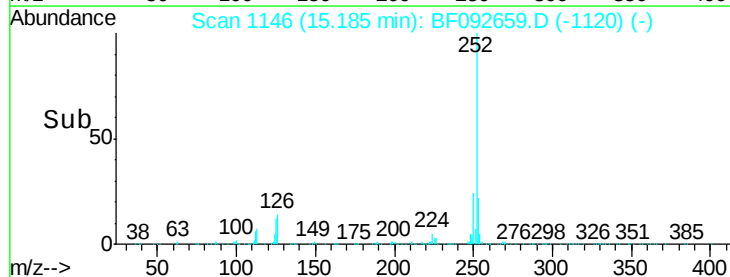
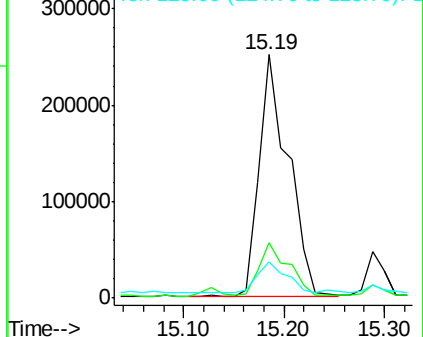


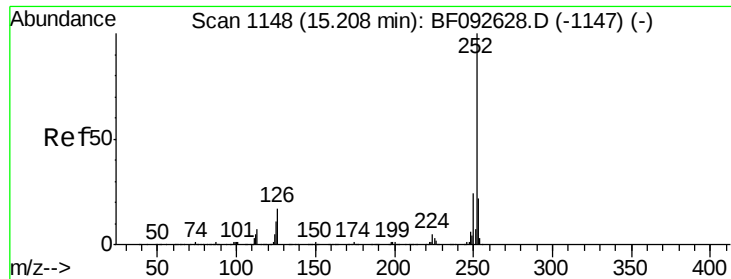
#87
Benzo(b)fluoranthene
Concen: 32.87 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion: 252 Resp: 500303
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 14.9 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

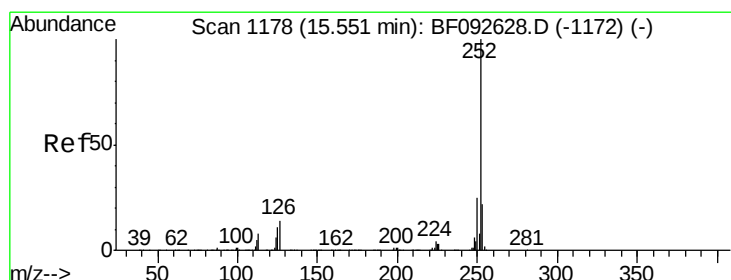
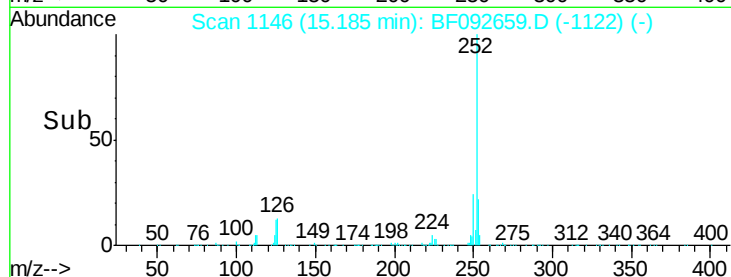
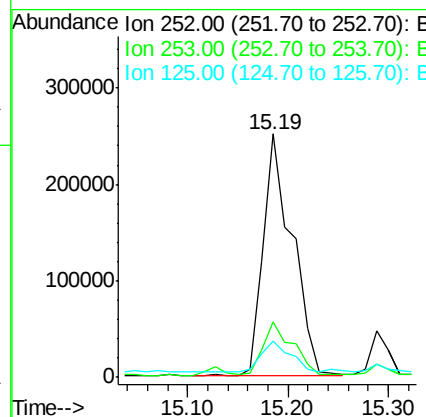
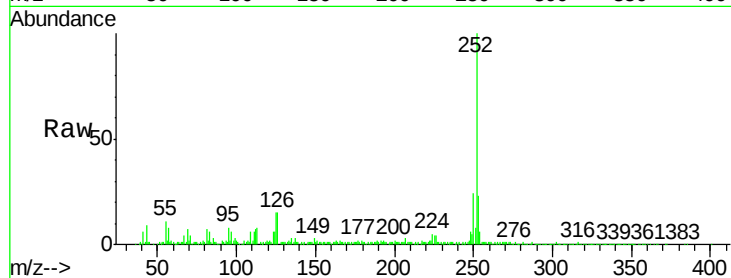




#88
Benzo(k)fluoranthene
Concen: 38.07 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

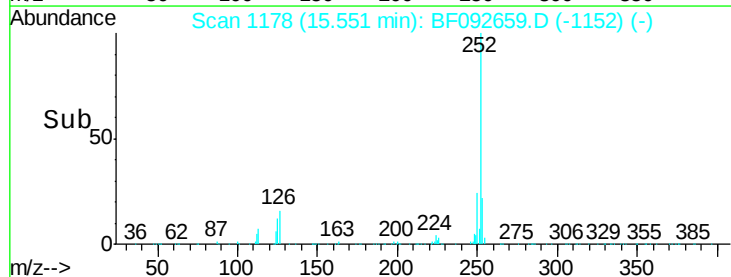
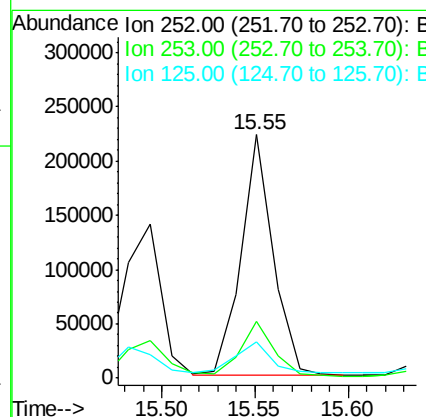
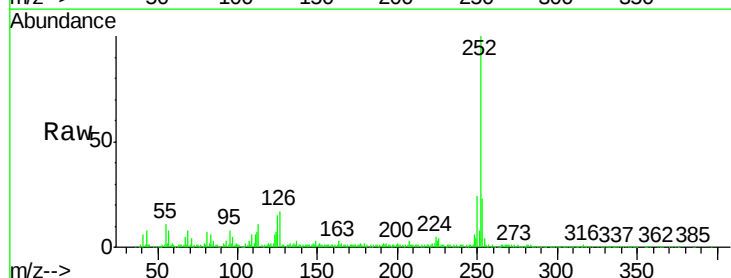
Instrument :
BNA_F
ClientSampleId :
B2-7

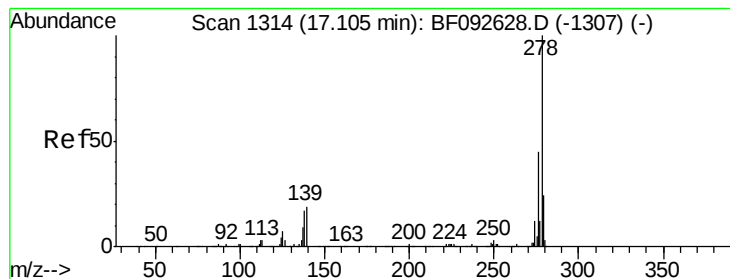
Tgt Ion:252 Resp: 500303
Ion Ratio Lower Upper
252 100
253 22.7 18.5 27.7
125 14.9 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 20.09 ng
RT: 15.55 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion:252 Resp: 264514
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 15.0 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 3.53 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

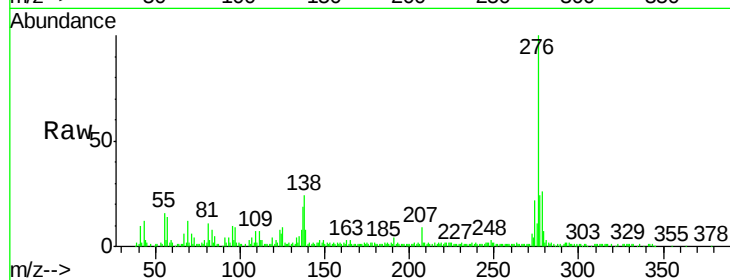
Tgt Ion:278 Resp: 37522

Ion Ratio Lower Upper

278 100

139 30.9 14.8 22.2#

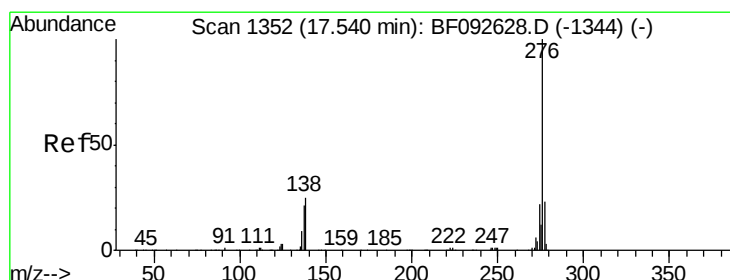
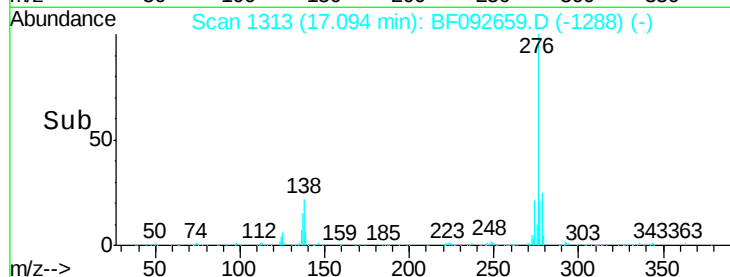
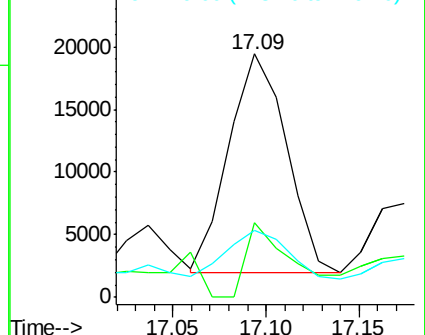
279 27.6 19.8 29.6



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: 15.42 ng

RT: 17.54 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

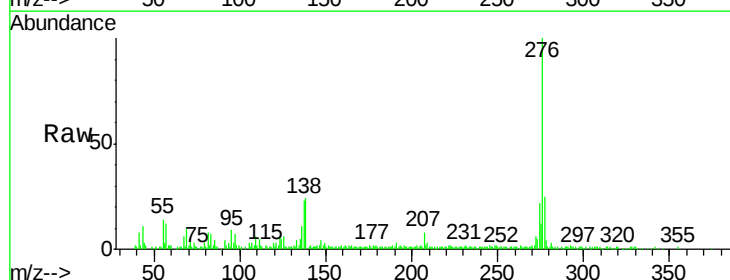
Tgt Ion:276 Resp: 165743

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 24.5 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

