

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093470.D
 Acq On : 9 Mar 2017 11:44
 Operator : SJ/MA
 Sample : I2126-03RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 12:53:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	188583	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	671808	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	303752	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	438892	20.00	ng	0.01
75) Chrysene-d12	13.93	240	392074	20.00	ng	0.01
86) Perylene-d12	15.35	264	307446	20.00	ng	0.02

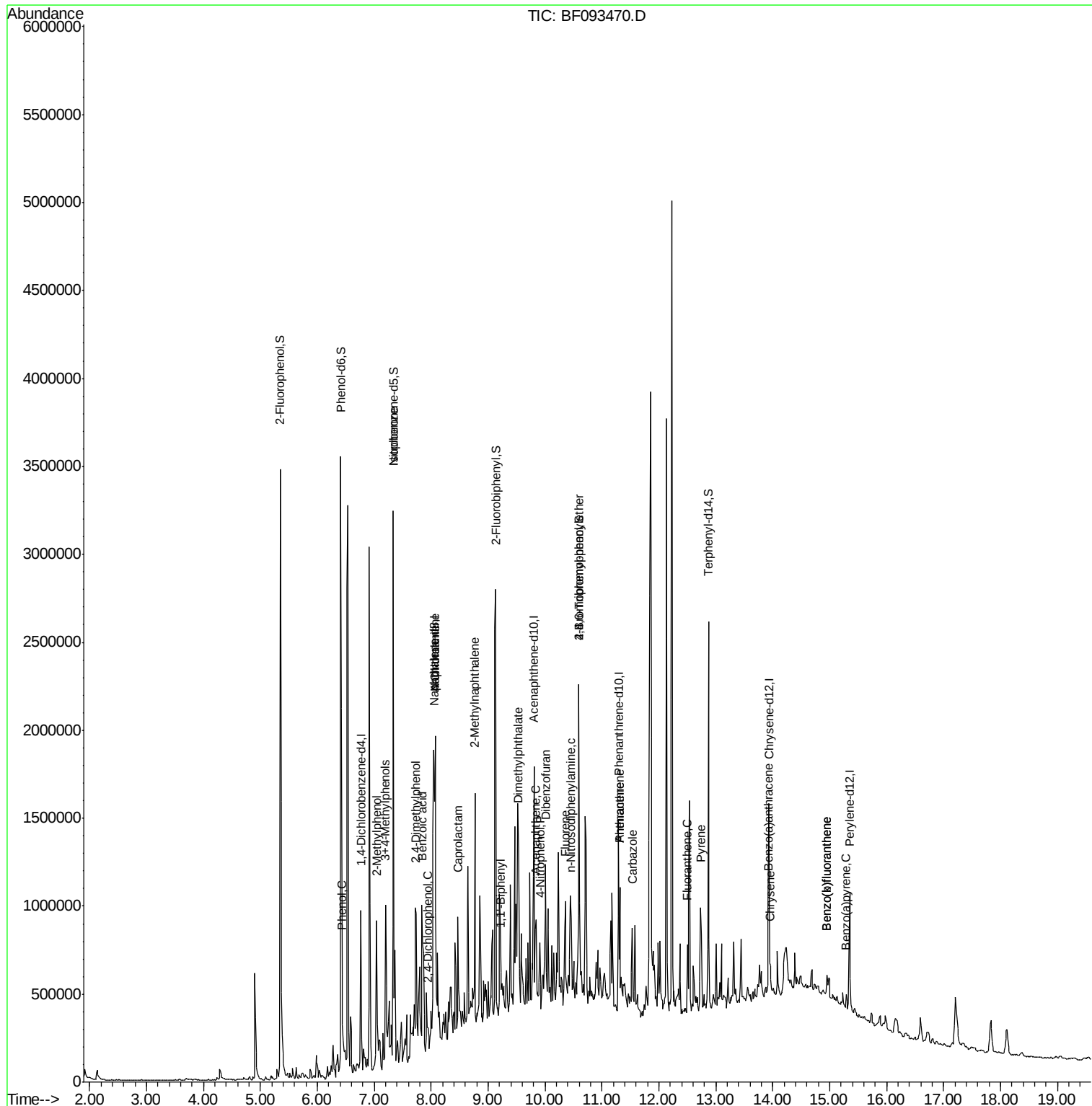
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1204170	106.27	ng	0.00
7) Phenol-d6	6.41	99	1538774	107.69	ng	0.00
23) Nitrobenzene-d5	7.34	82	986110	81.44	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	198159	100.13	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1160206	71.05	ng	0.00
78) Terphenyl-d14	12.87	244	637832	42.30	ng	0.00

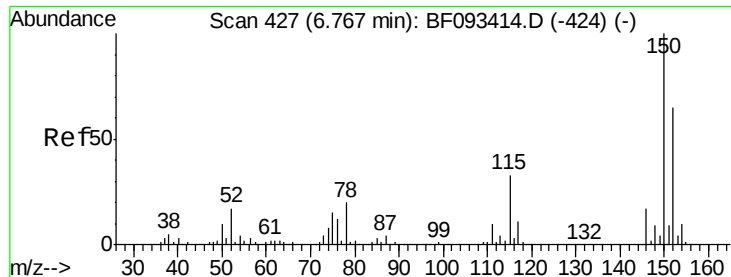
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	1502	Below Cal	#	1
10) Phenol	6.44	94	119608	6.83 ng	#	76
17) 2-Methylphenol	7.04	107	136330	12.70 ng		98
20) 3+4-Methylphenols	7.20	107	319739	22.96 ng	#	69
25) Isophorone	7.34	82	979494	40.12 ng	#	65
27) 2,4-Dimethylphenol	7.73	122	218302	21.61 ng		98
29) 2,4-Dichlorophenol	7.94	162	24618	2.59 ng		93
31) Naphthalene	8.07	128	930227	27.63 ng		98
32) Benzoic acid	7.84	122	203253	38.73 ng	#	28
33) 4-Chloroaniline	8.07	127	93365	6.83 ng	#	45
35) Caprolactam	8.47	113	14898	4.59 ng	#	1
37) 2-Methylnaphthalene	8.77	142	356988	16.67 ng		98
45) 1,1'-Biphenyl	9.22	154	64973	2.94 ng		94
49) Dimethylphthalate	9.53	163	366829	18.22 ng		99
51) Acenaphthene	9.84	154	122428	7.41 ng		91
54) Dibenzofuran	10.01	168	242754	11.74 ng		94
55) 4-Nitrophenol	9.91	139	9974	3.87 ng	#	50
57) Fluorene	10.36	166	185883	10.61 ng		98
65) n-Nitrosodiphenylamine	10.46	169	44209	3.02 ng	#	55
66) 4-Bromophenyl-phenylether	10.60	248	15544	3.35 ng	#	1
70) Phenanthrene	11.32	178	290189	11.58 ng		99
71) Anthracene	11.32	178	290189	11.45 ng		99
72) Carbazole	11.53	167	165283	6.94 ng		98
74) Fluoranthene	12.50	202	151176	6.25 ng		98
77) Pyrene	12.73	202	129315	4.54 ng		99
80) Benzo(a)anthracene	13.92	228	70612	3.05 ng		98
82) Chrysene	13.96	228	52793	2.46 ng		97
87) Benzo(b)fluoranthene	14.95	252	82033	4.38 ng	#	87
88) Benzo(k)fluoranthene	14.95	252	82033	4.54 ng	#	86
89) Benzo(a)pyrene	15.29	252	41742	2.44 ng	#	91

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\  
Data File : BF093470.D  
Acq On    : 9 Mar 2017 11:44  
Operator  : SJ/MA  
Sample    : I2126-03RE  
Misc      :  
ALS Vial  : 25 Sample Multiplier: 1
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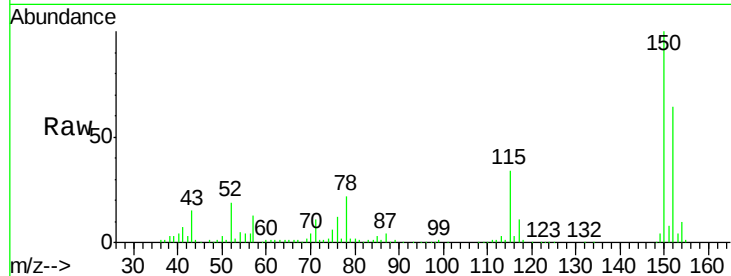




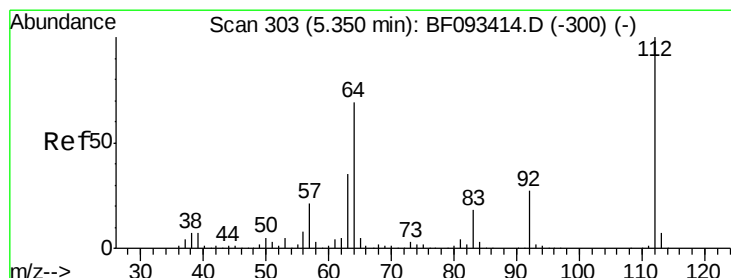
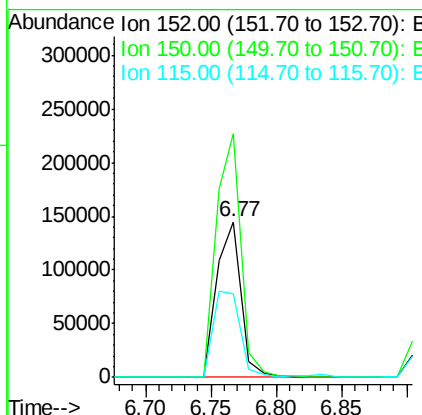
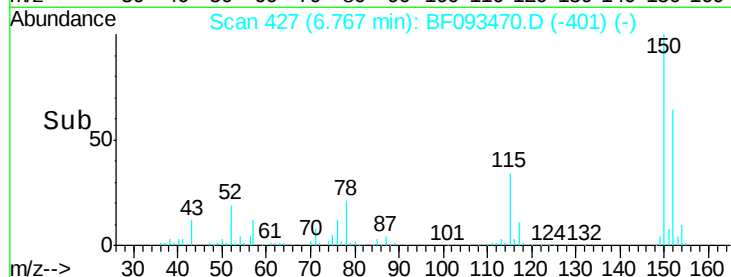
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF093470.D
 Acq: 9 Mar 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 188583
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.9 187.3
 115 53.7 46.0 69.0

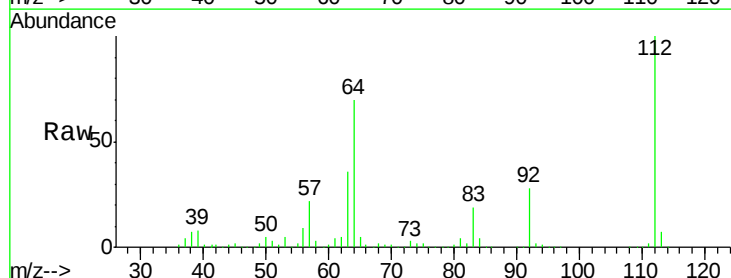


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

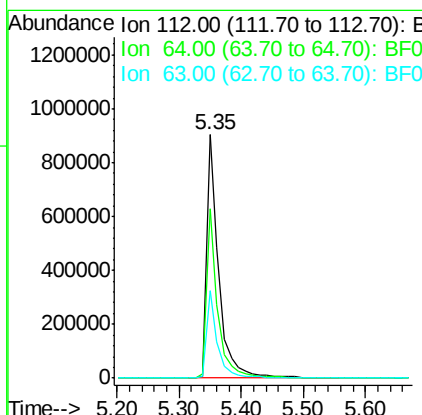
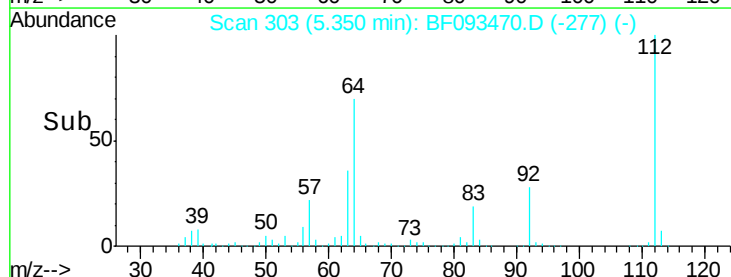


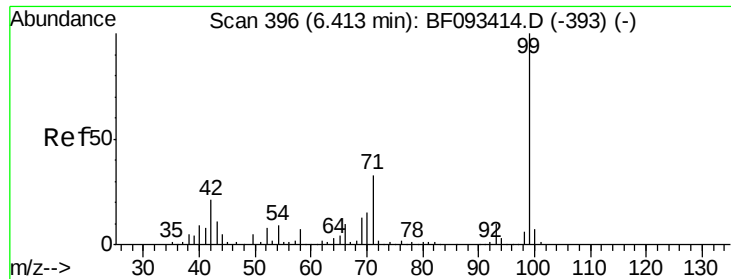
#5
 2-Fluorophenol
 Concen: 106.27 ng
 RT: 5.35 min Scan# 303
 Delta R.T. -0.00 min
 Lab File: BF093470.D
 Acq: 9 Mar 2017 11:44

Tgt Ion:112 Resp: 1204170
 Ion Ratio Lower Upper
 112 100
 64 69.8 46.1 69.1#
 63 35.9 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: 107.69 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

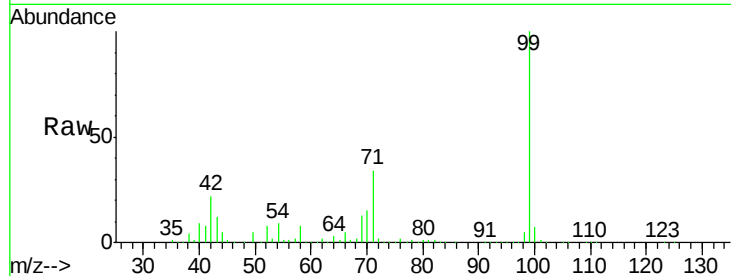
Tot Ion: 99 Resp: 1538774

Ion Ratio Lower Upper

99 100

42 22.1 15.6 23.4

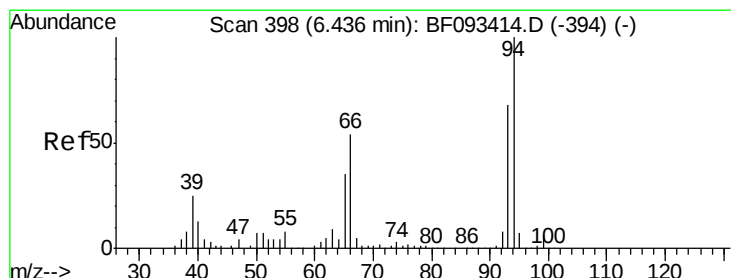
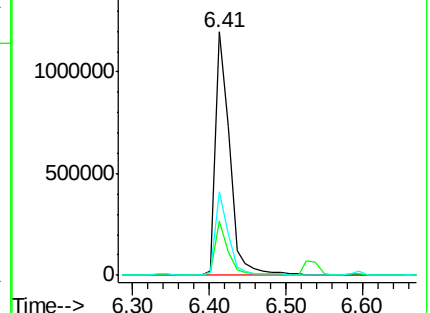
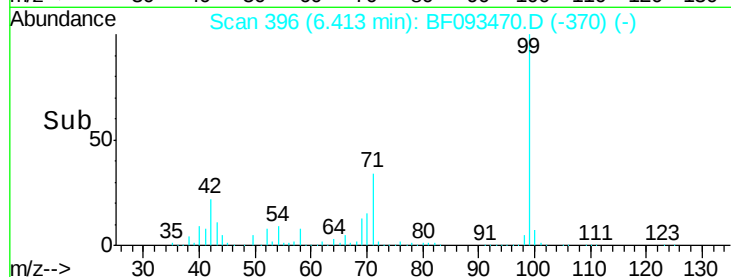
71 34.3 27.5 41.3



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: 6.83 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

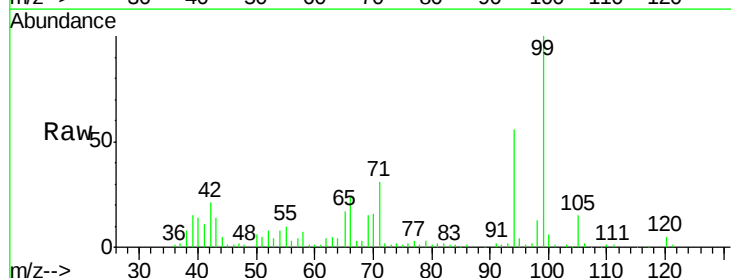
Tgt Ion: 94 Resp: 119608

Ion Ratio Lower Upper

94 100

65 30.0 21.4 61.4

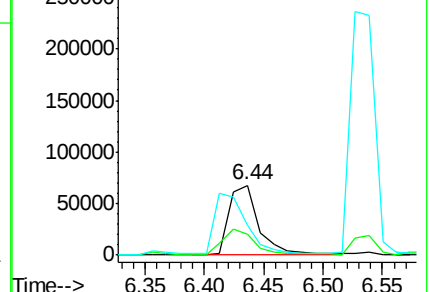
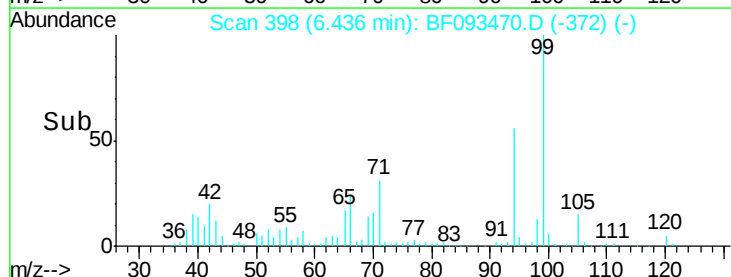
66 42.3 44.0 84.0#

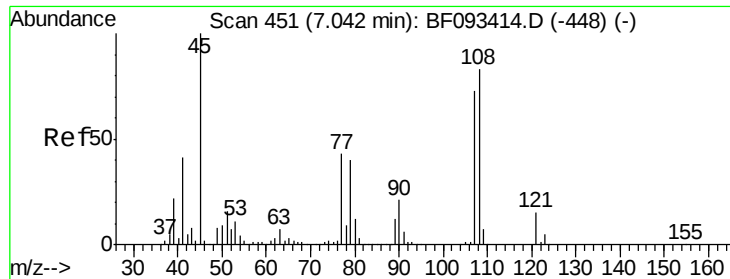


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

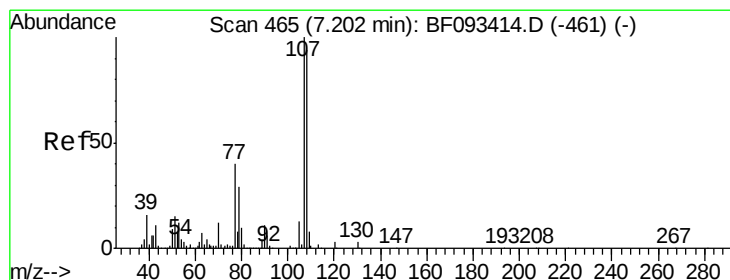
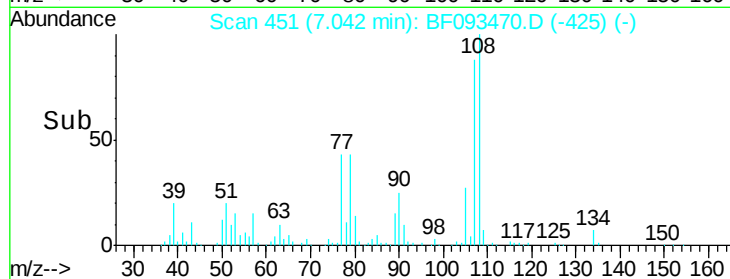
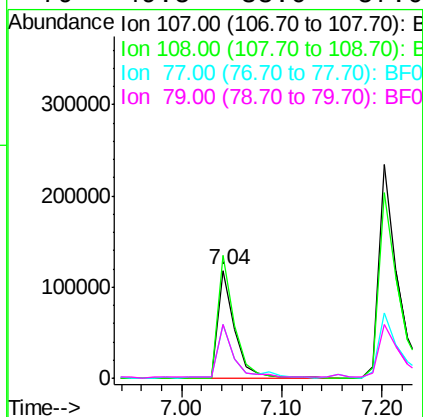
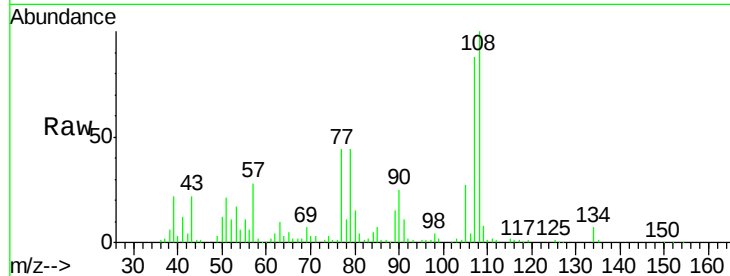




#17
2-Methylphenol
Concen: 12.70 ng
RT: 7.04 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

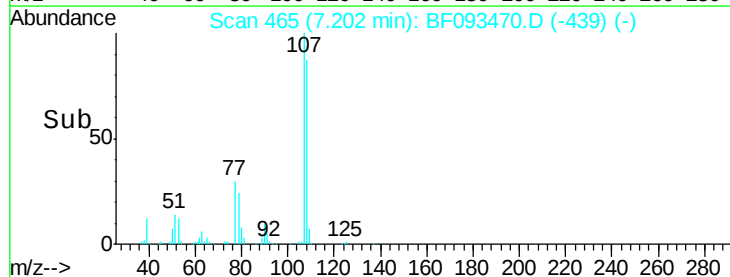
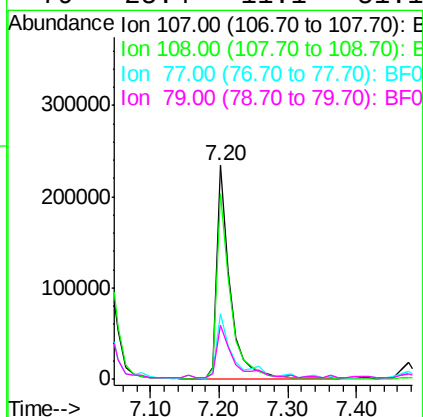
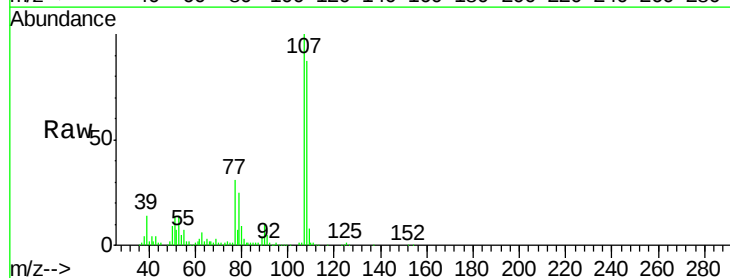
Instrument :
BNA_F
ClientSampled :

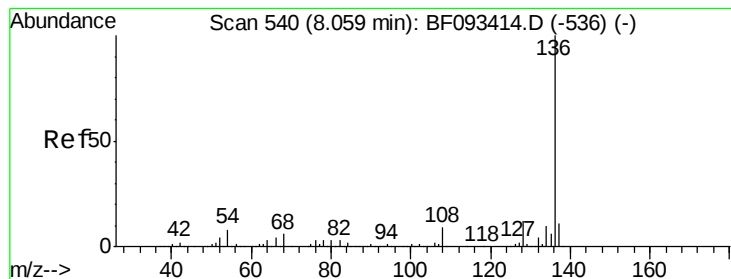
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.5	93.0	139.6
77	49.4	39.8	59.8
79	49.5	38.0	57.0



#20
3+4-Methylphenols
Concen: 22.96 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.7	73.0	113.0
77	30.6	21.3	41.3
79	25.4	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 671808

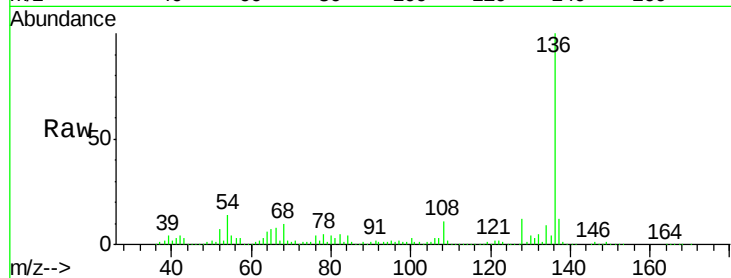
Ion Ratio Lower Upper

136 100

137 11.9 8.4 12.6

54 14.0 4.5 6.7#

68 10.0 3.6 5.4#

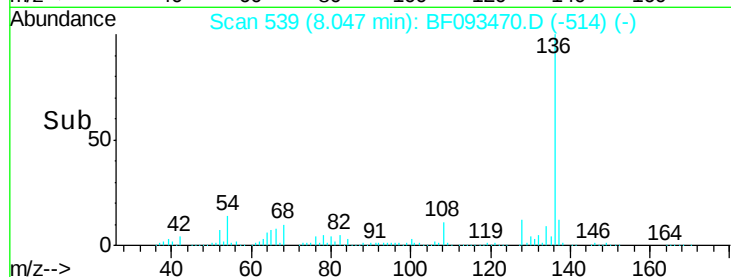


Abundance Ion 136.00 (135.70 to 136.70): E

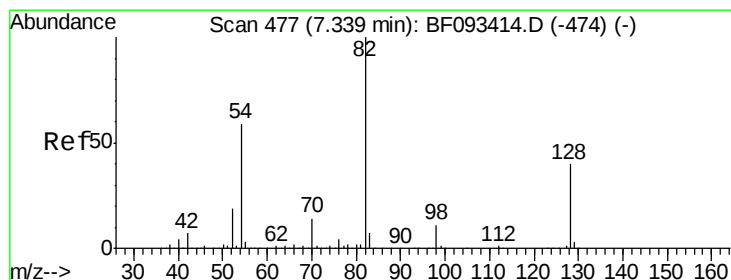
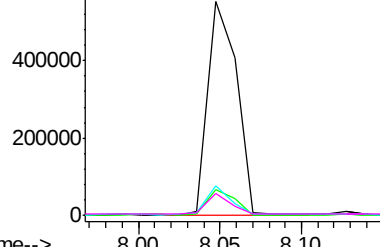
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 81.44 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

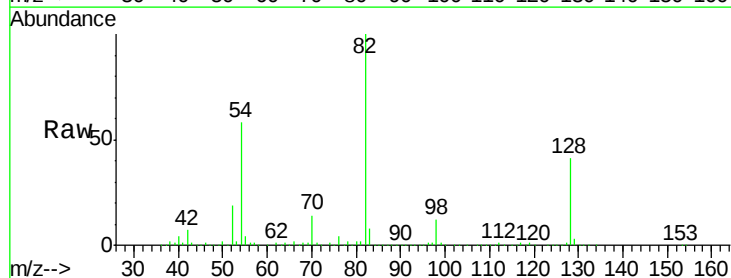
Tgt Ion: 82 Resp: 986110

Ion Ratio Lower Upper

82 100

128 41.3 34.6 52.0

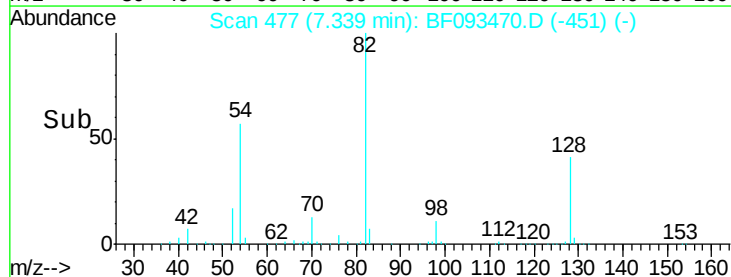
54 57.8 39.5 59.3



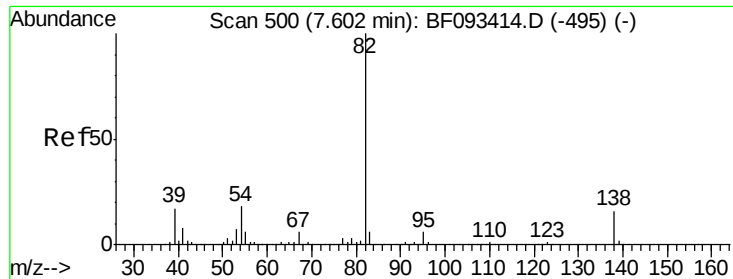
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 40.12 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

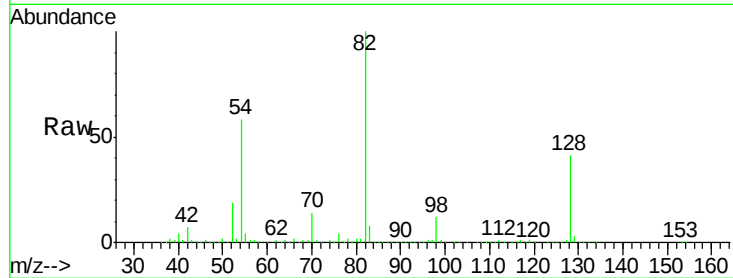
Tot Ion: 82 Resp: 979494

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

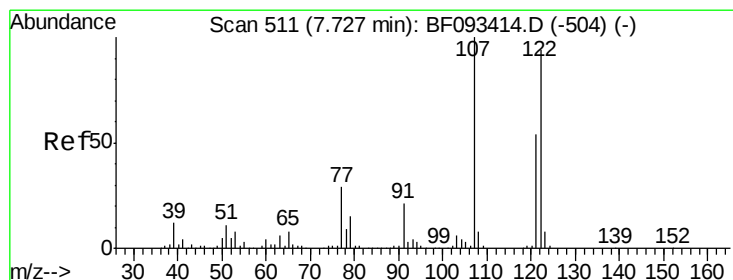
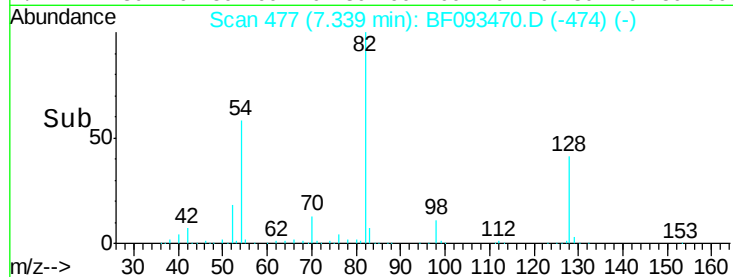
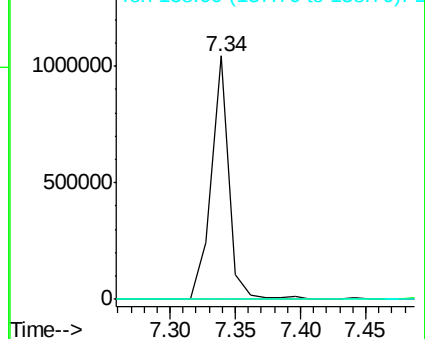
138 0.0 14.6 22.0#



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



#27

2,4-Dimethylphenol

Concen: 21.61 ng

RT: 7.73 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

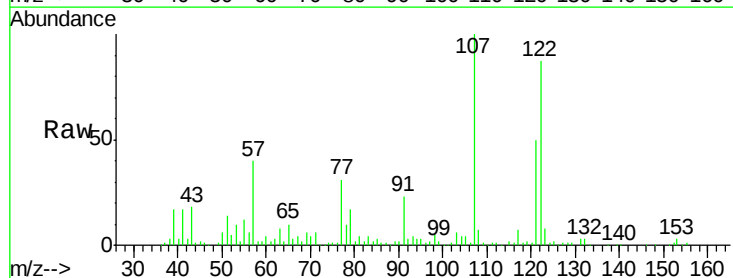
Tgt Ion:122 Resp: 218302

Ion Ratio Lower Upper

122 100

107 114.3 94.1 141.1

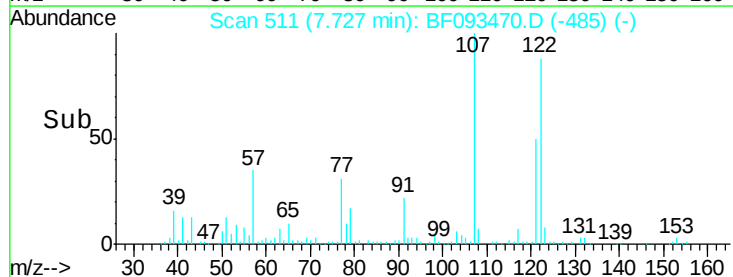
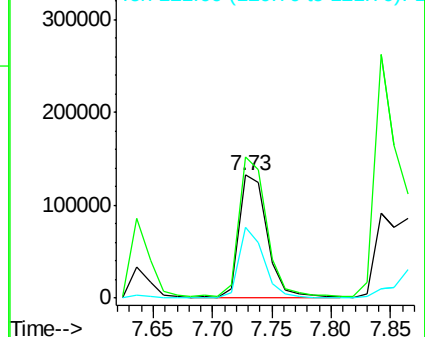
121 57.0 46.0 69.0

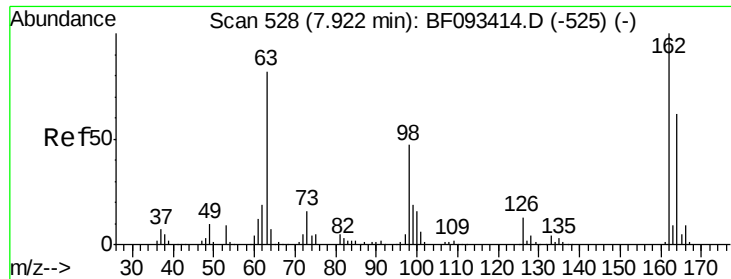


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

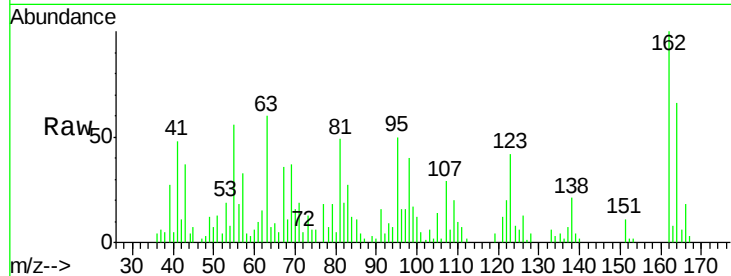




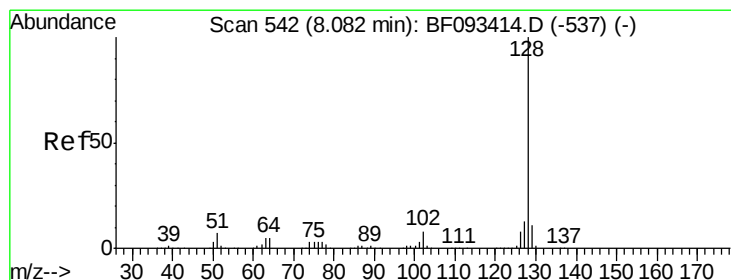
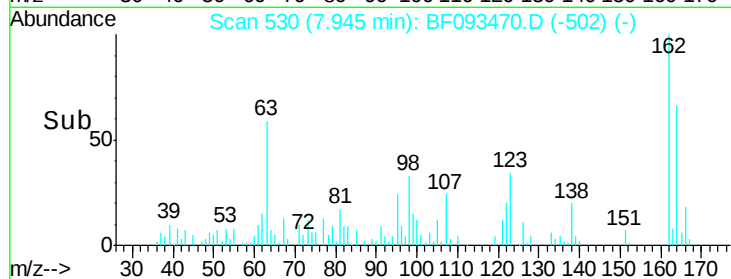
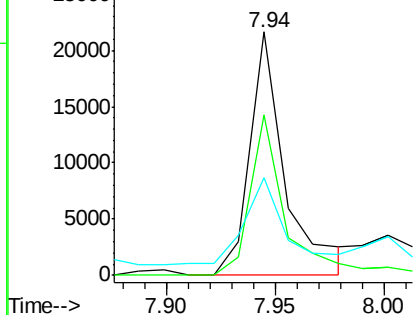
#29
2,4-Dichlorophenol
Concen: 2.59 ng
RT: 7.94 min Scan# 530
Delta R.T. 0.02 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.9	46.8	86.8
98	40.2	9.1	49.1

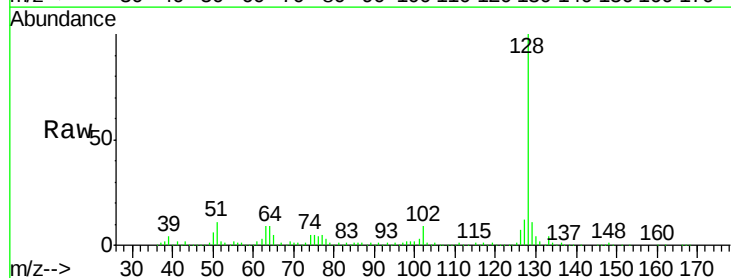


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

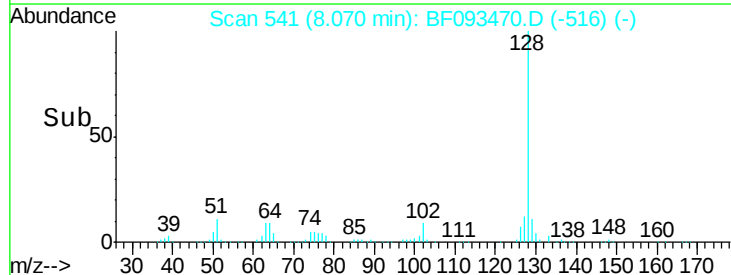
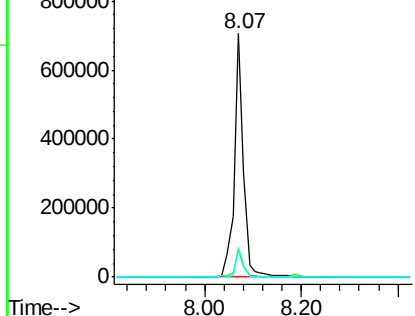


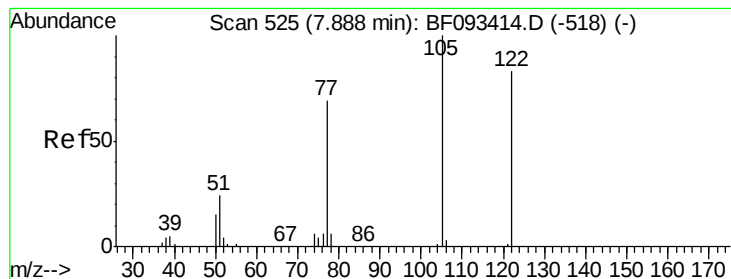
#31
Naphthalene
Concen: 27.63 ng
RT: 8.07 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	12.2	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





#32

Benzoic acid

Concen: 38.73 ng

RT: 7.84 min Scan# 521

Delta R.T. -0.05 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

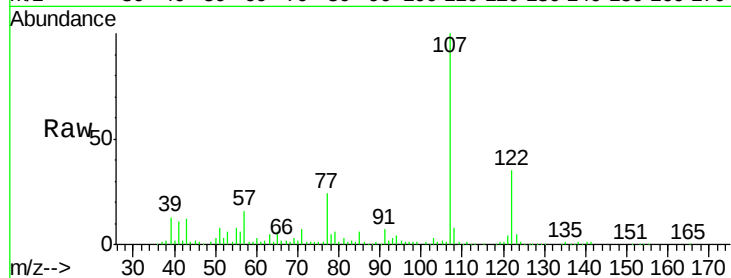
Tot Ion:122 Resp: 203253

Ion Ratio Lower Upper

122 100

105 5.5 107.2 147.2#

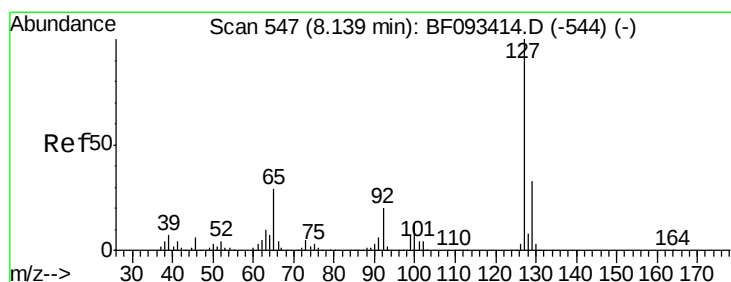
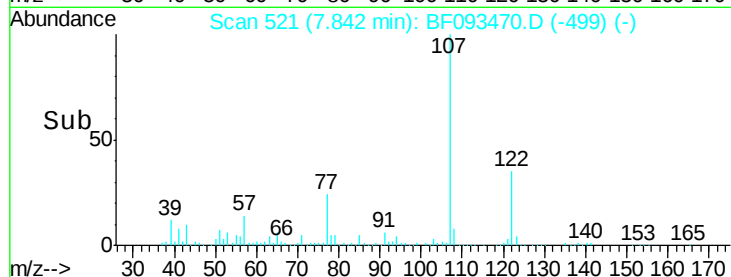
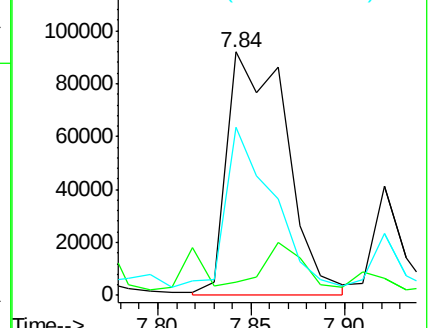
77 69.1 74.5 114.5#



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



#33

4-Chloroaniline

Concen: 6.83 ng

RT: 8.07 min Scan# 541

Delta R.T. -0.07 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Tgt Ion:127 Resp: 93365

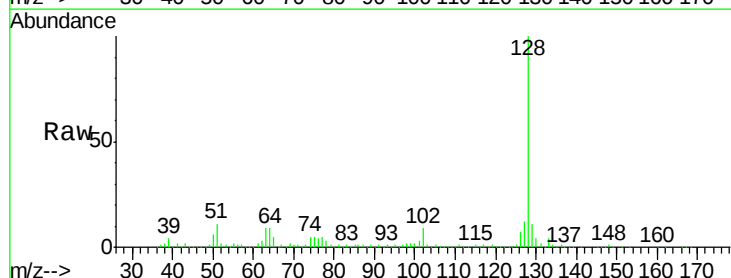
Ion Ratio Lower Upper

127 100

129 92.1 26.3 39.5#

65 41.0 25.8 38.8#

92 3.8 16.1 24.1#

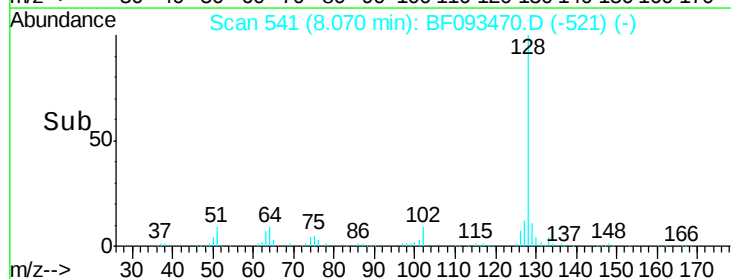
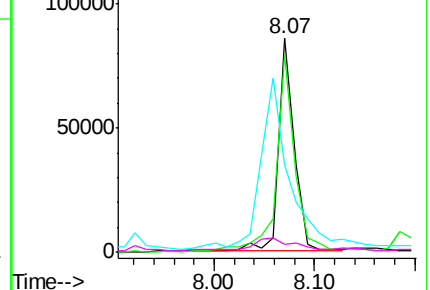


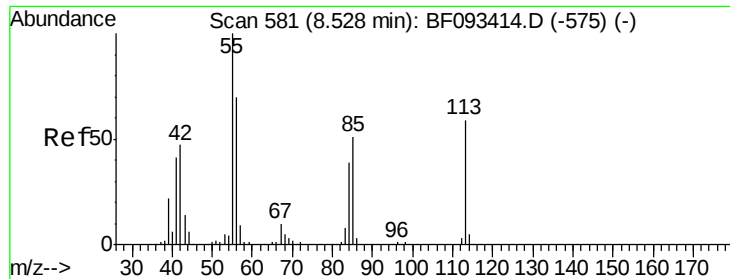
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 4.59 ng

RT: 8.47 min Scan# 576

Delta R.T. -0.06 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

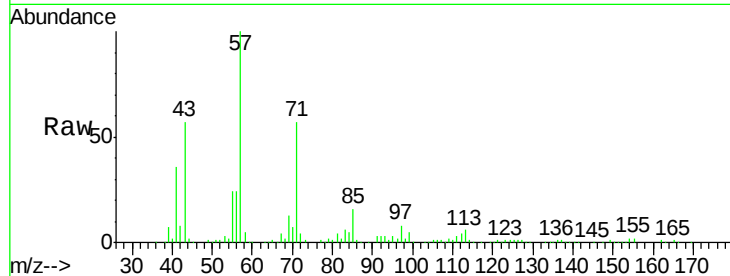
Tot Ion:113 Resp: 14898

Ion Ratio Lower Upper

113 100

55 423.7 119.2 159.2#

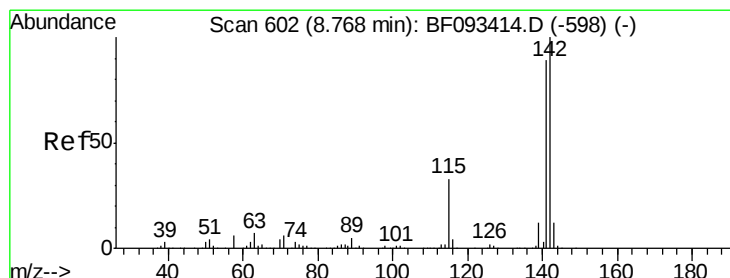
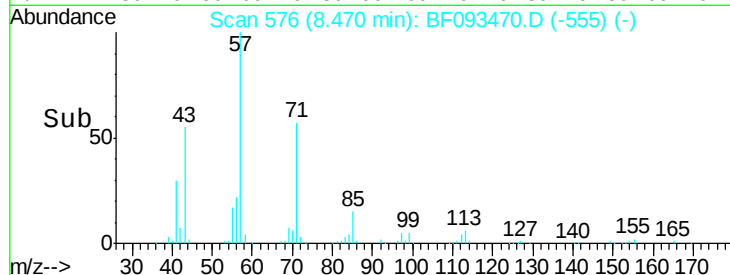
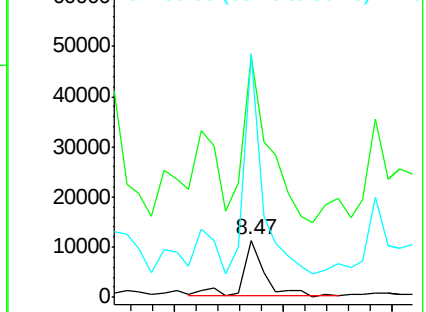
56 428.3 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 16.67 ng

RT: 8.77 min Scan# 602

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

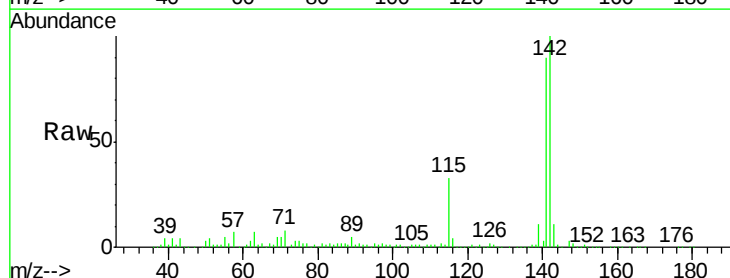
Tgt Ion:142 Resp: 356988

Ion Ratio Lower Upper

142 100

141 89.7 71.0 106.6

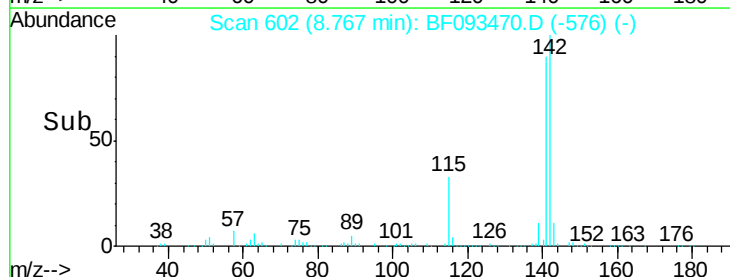
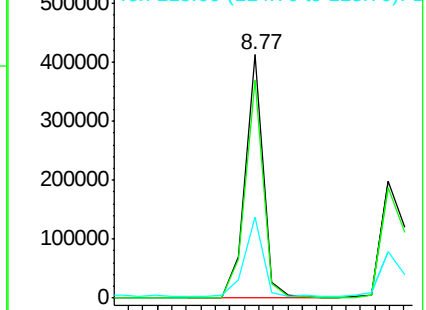
115 33.1 28.3 42.5

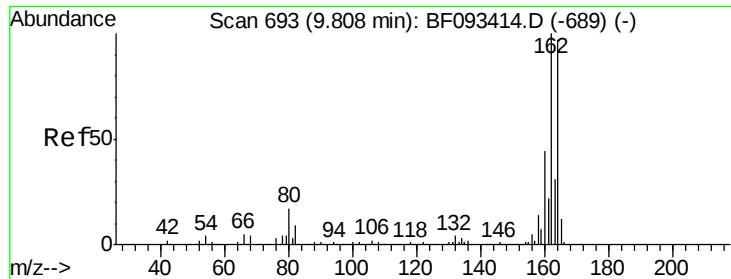


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

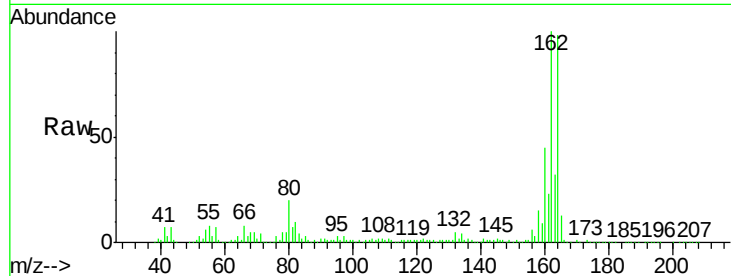
Tot Ion:164 Resp: 303752

Ion Ratio Lower Upper

164 100

162 102.1 80.2 120.2

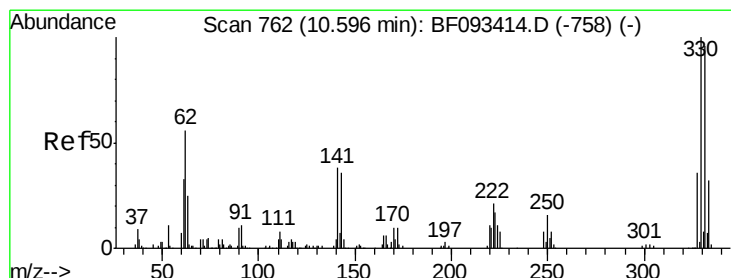
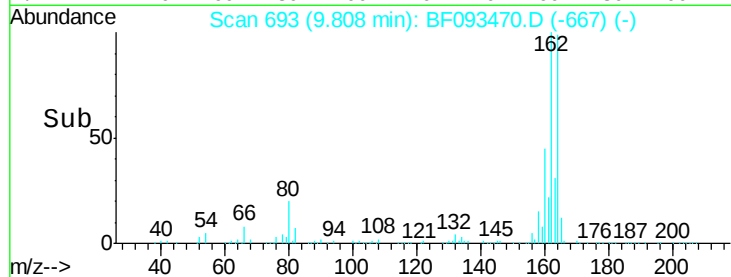
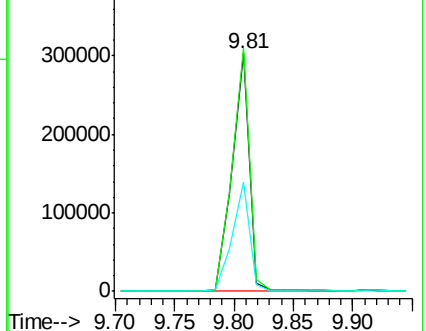
160 45.9 36.9 55.3



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: 100.13 ng

RT: 10.60 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

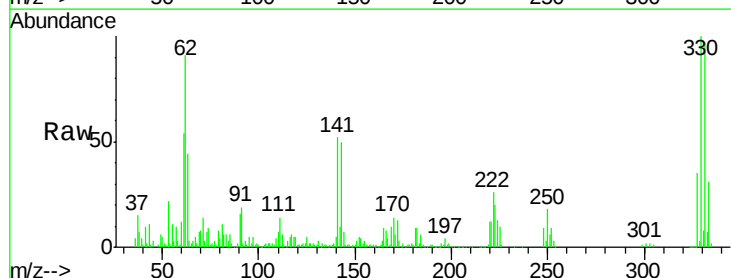
Tgt Ion:330 Resp: 198159

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

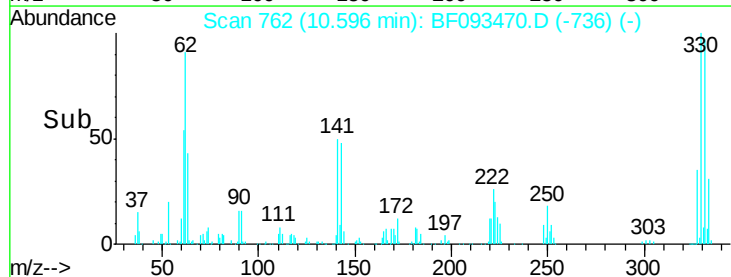
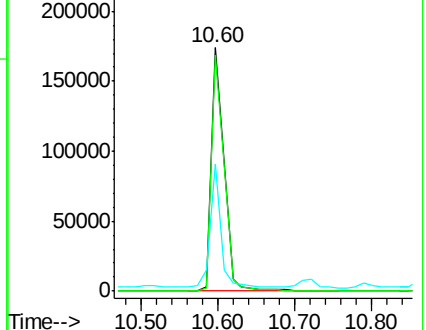
141 41.3 34.1 51.1

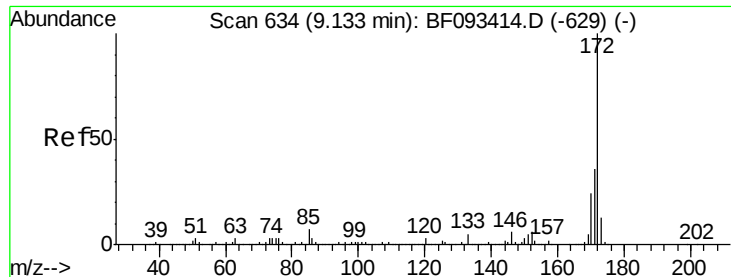


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

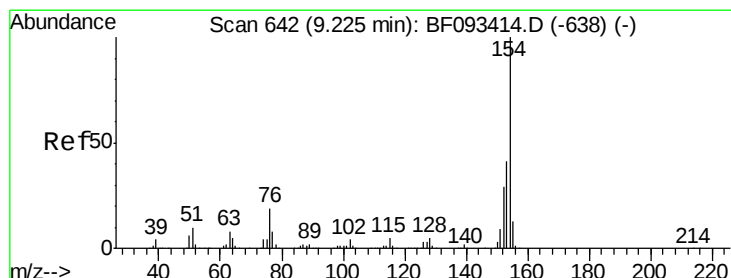
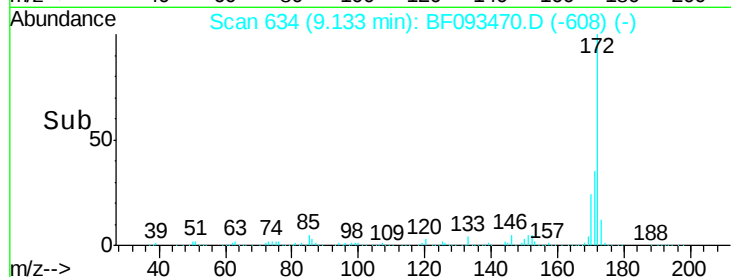
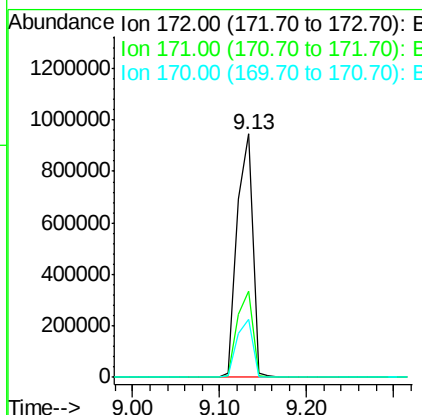
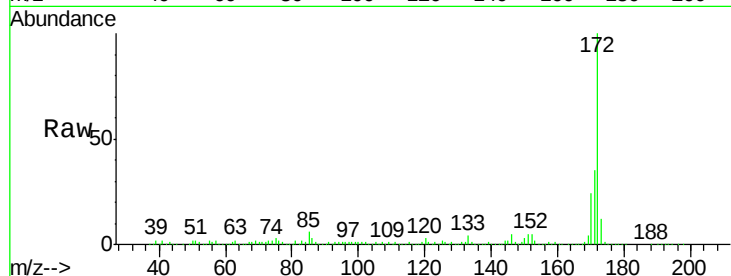




#44
2-Fluorobiphenyl
Concen: 71.05 ng
RT: 9.13 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

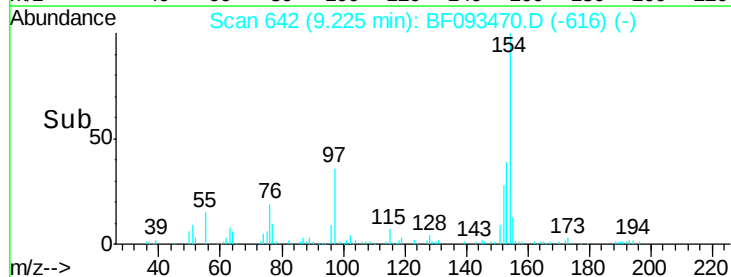
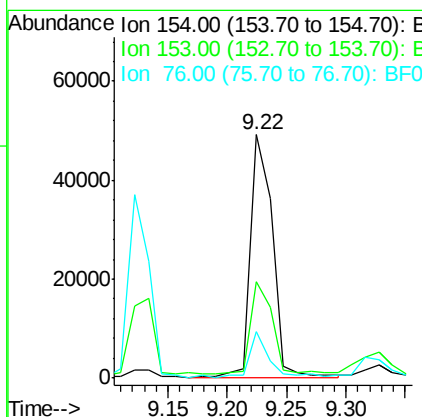
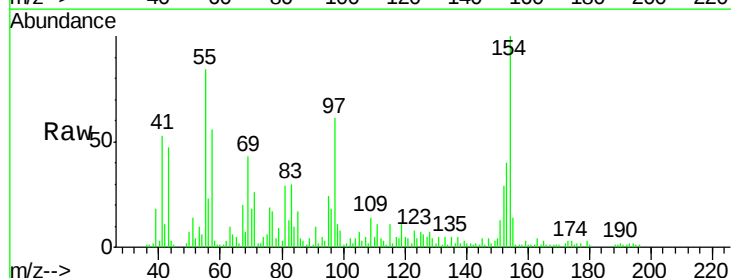
Instrument :
BNA_F
ClientSampleId :

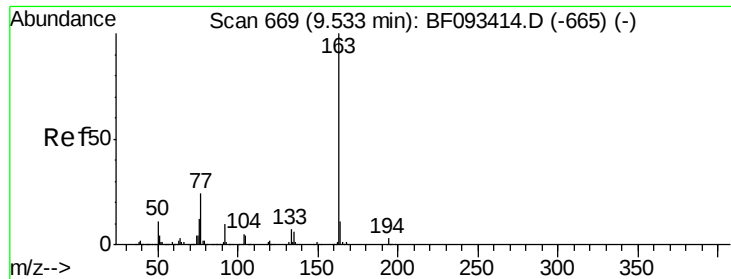
Tot Ion:172 Resp: 1160206
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 24.0 20.2 30.4



#45
1,1'-Biphenyl
Concen: 2.94 ng
RT: 9.22 min Scan# 642
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Tgt Ion:154 Resp: 64973
Ion Ratio Lower Upper
154 100
153 39.6 20.9 60.9
76 19.2 0.0 30.5

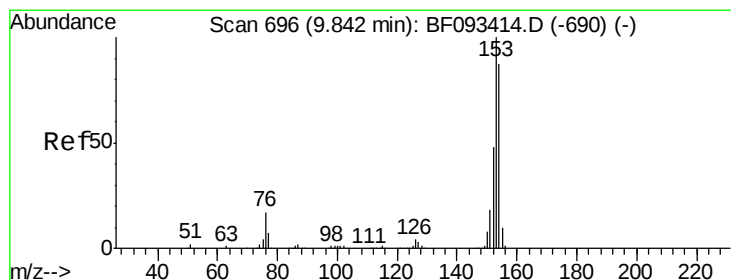
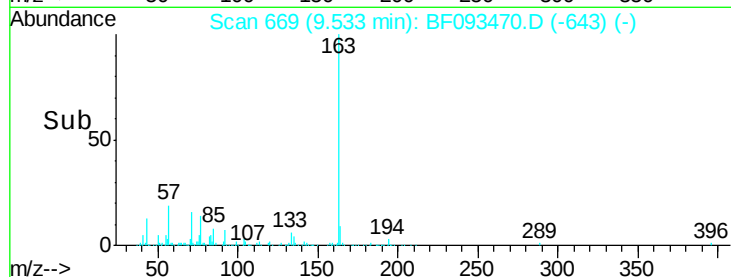
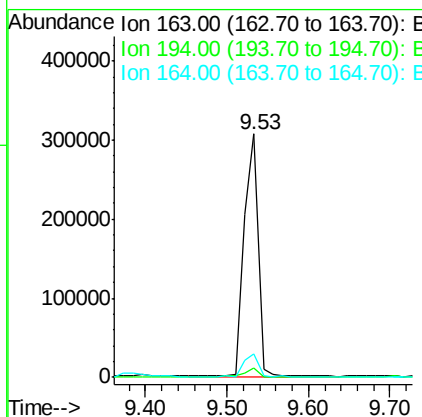
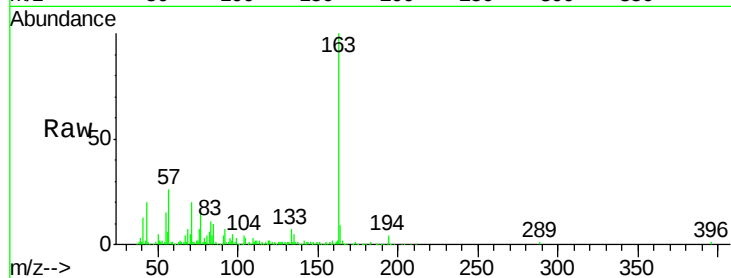




#49
Dimethylphthalate
Concen: 18.22 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

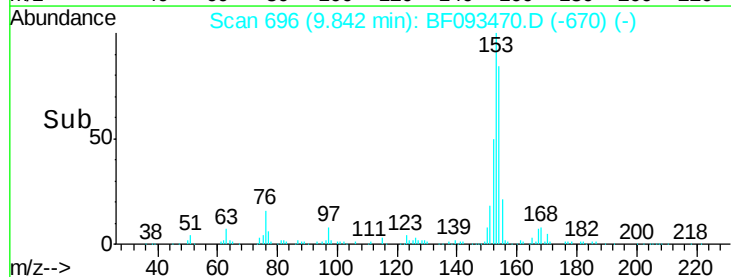
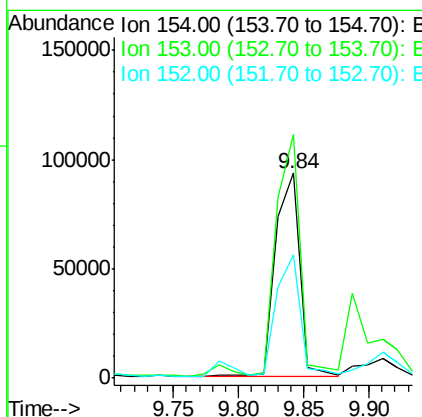
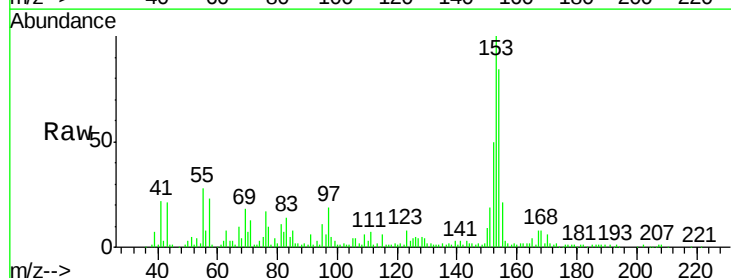
Instrument :
BNA_F
ClientSampleId :

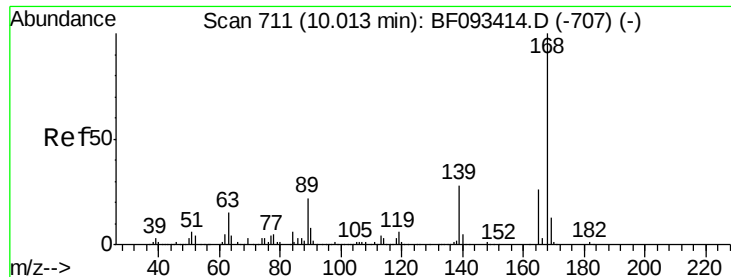
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.5	8.0	12.0



#51
Acenaphthene
Concen: 7.41 ng
RT: 9.84 min Scan# 696
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.9	88.6	133.0
152	59.9	41.6	62.4

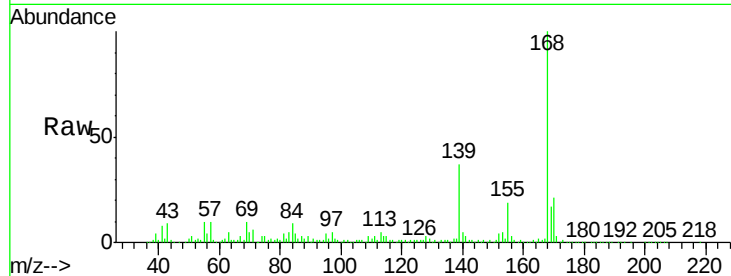




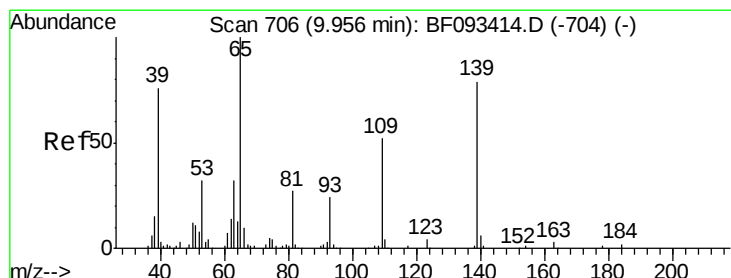
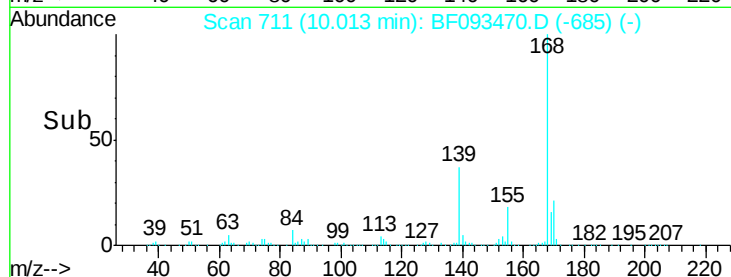
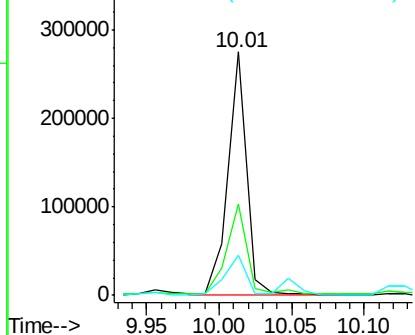
#54
Dibenzofuran
Concen: 11.74 ng
RT: 10.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	32.6	49.0
169	16.5	11.3	16.9

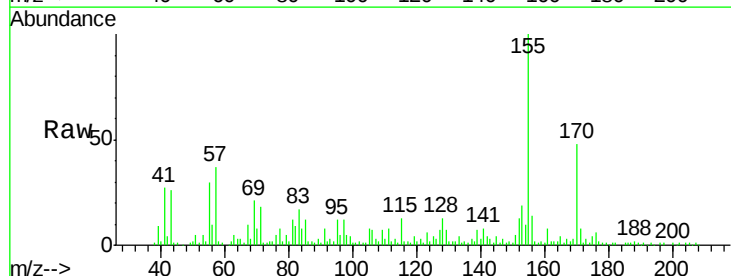


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

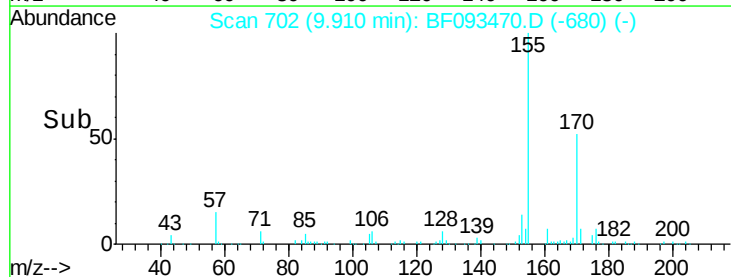
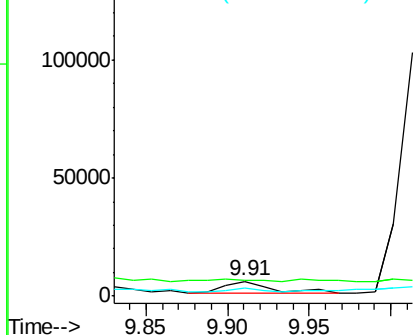


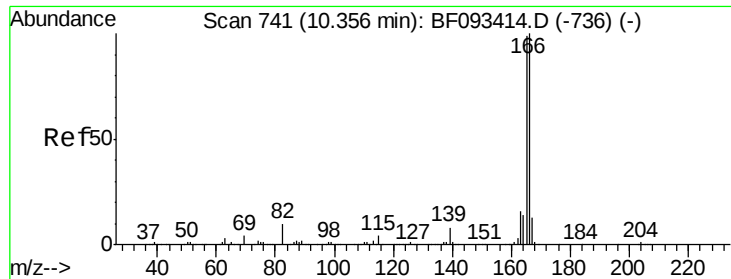
#55
4-Nitrophenol
Concen: 3.87 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.05 min
Lab File: BF093470.D
Acq: 9 Mar 2017 11:44

Tgt Ion	Ratio	Lower	Upper
139	100		
109	111.0	52.2	92.2#
65	52.3	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

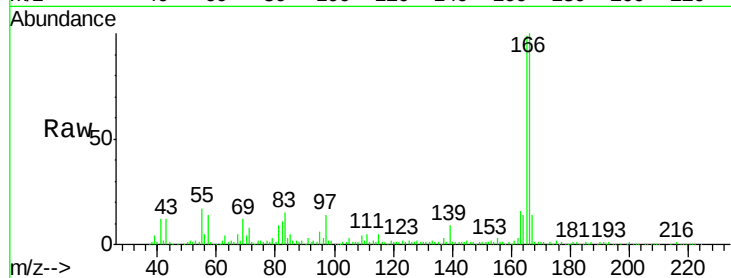




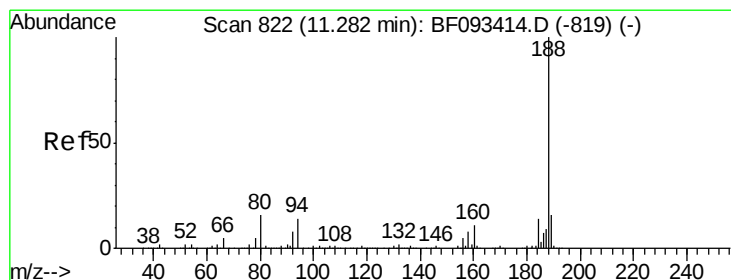
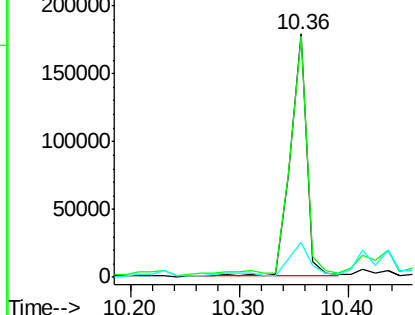
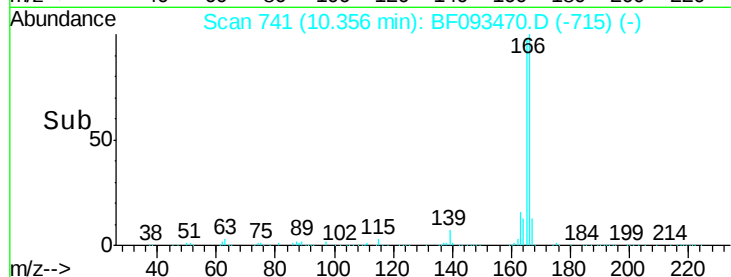
#57
Fluorene
 Concen: 10.61 ng
 RT: 10.36 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF093470.D
 Acq: 9 Mar 2017 11:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 185883
 Ion Ratio Lower Upper
 166 100
 165 99.0 77.8 116.8
 167 14.2 10.8 16.2

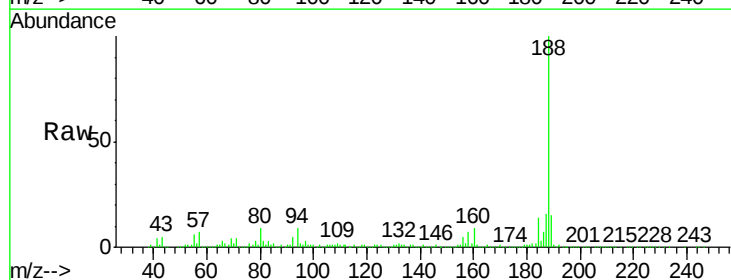


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

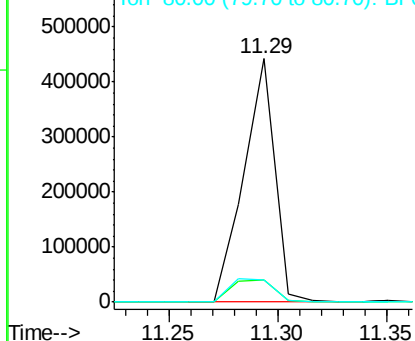
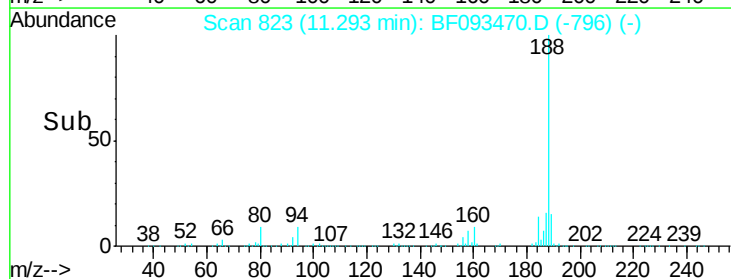


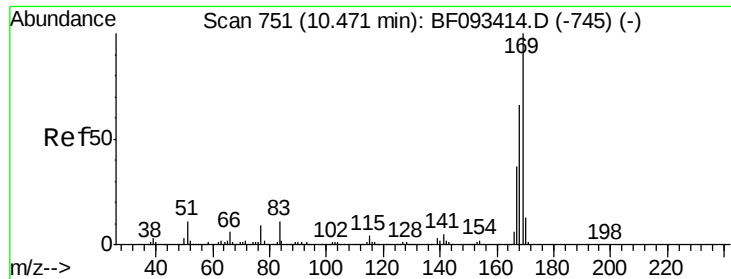
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF093470.D
 Acq: 9 Mar 2017 11:44

Tgt Ion:188 Resp: 438892
 Ion Ratio Lower Upper
 188 100
 94 9.2 10.0 15.0#
 80 9.1 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





#65

n-Nitrosodiphenylamine

Concen: 3.02 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampled :

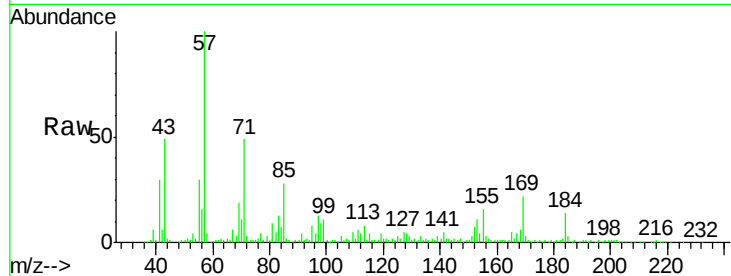
Tot Ion:169 Resp: 44209

Ion Ratio Lower Upper

169 100

168 25.7 54.2 81.2#

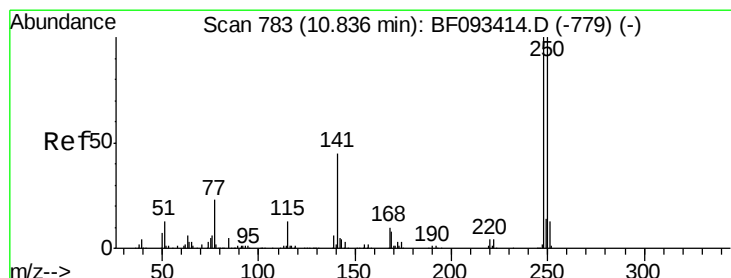
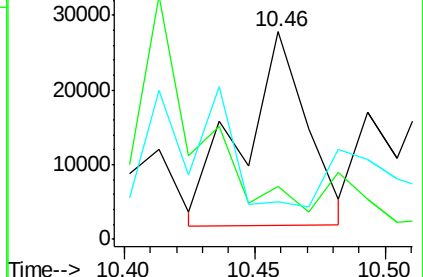
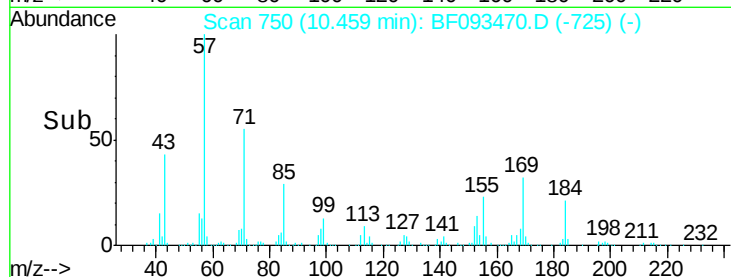
167 17.9 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.35 ng

RT: 10.60 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

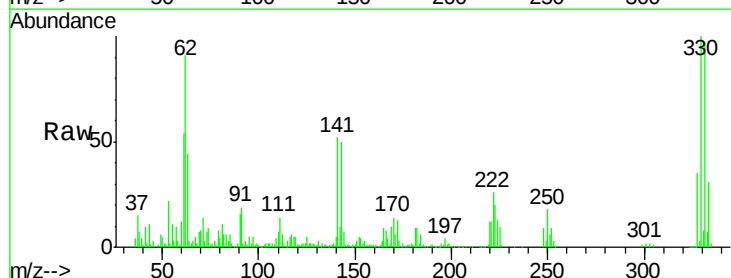
Tgt Ion:248 Resp: 15544

Ion Ratio Lower Upper

248 100

250 190.6 76.9 115.3#

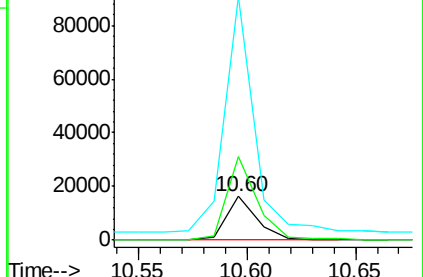
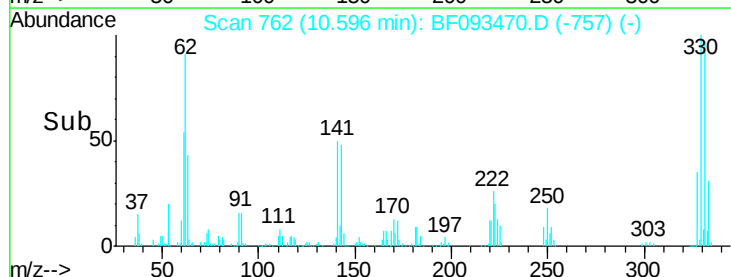
141 558.7 68.2 102.4#

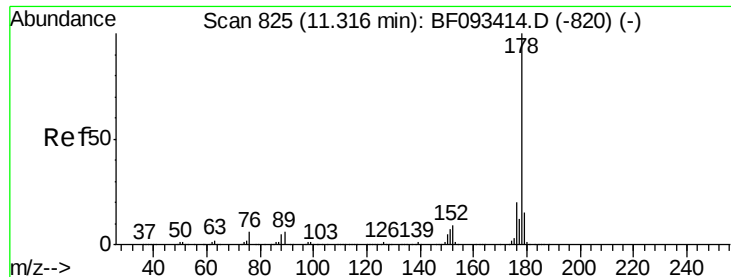


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 11.58 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

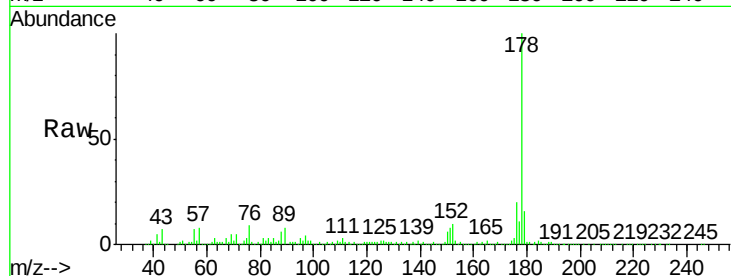
Tot Ion:178 Resp: 290189

Ion Ratio Lower Upper

178 100

176 20.1 16.6 25.0

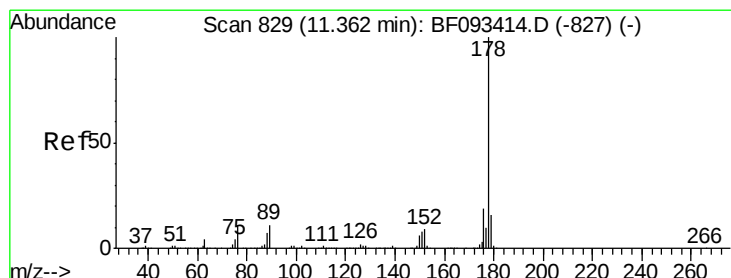
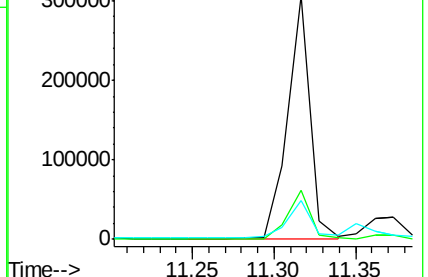
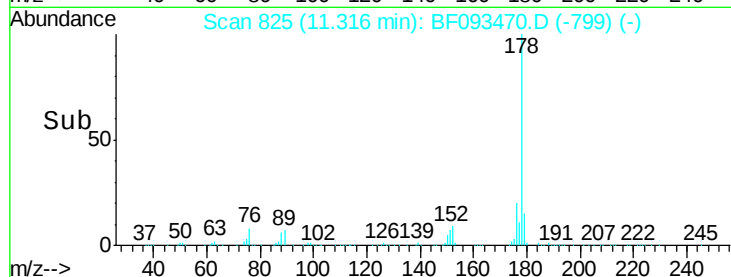
179 16.0 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 11.45 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.05 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

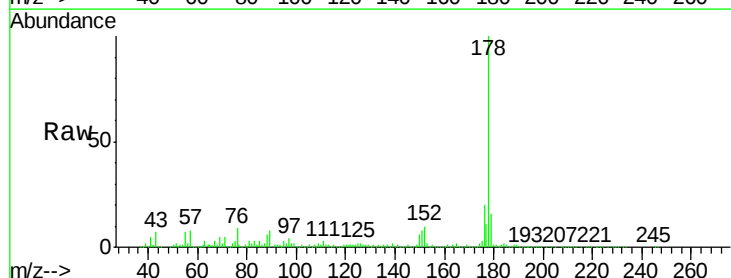
Tgt Ion:178 Resp: 290189

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

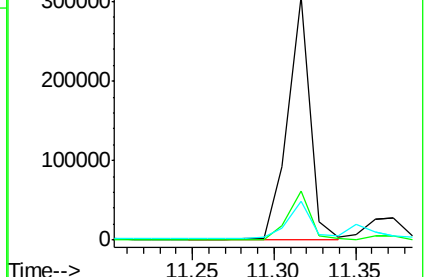
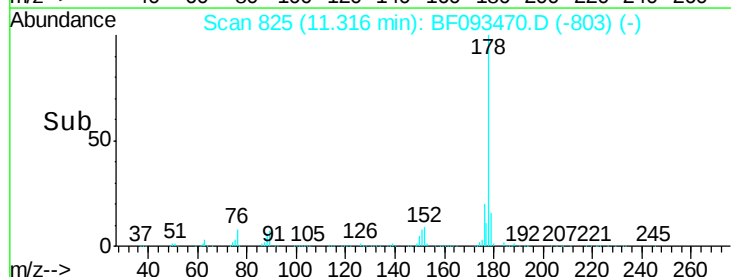
179 16.0 13.2 19.8

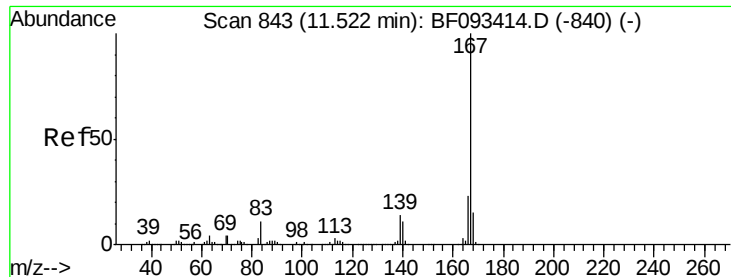


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.94 ng

RT: 11.53 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

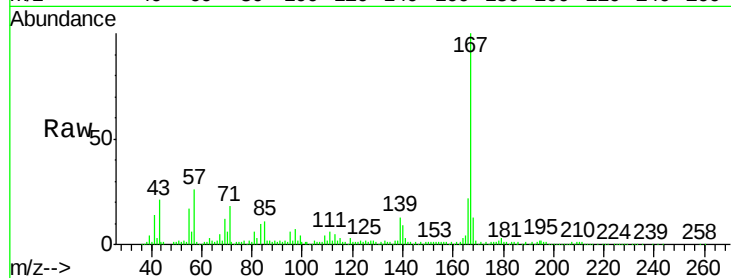
Tot Ion:167 Resp: 165283

Ion Ratio Lower Upper

167 100

166 22.3 18.2 27.2

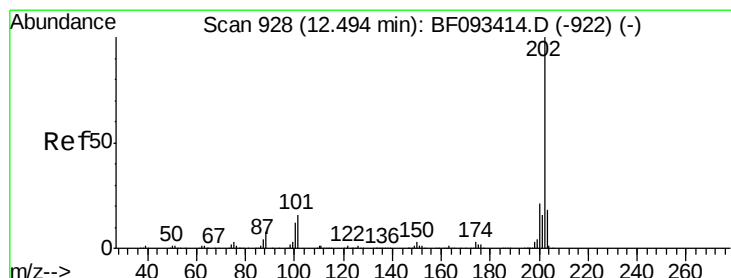
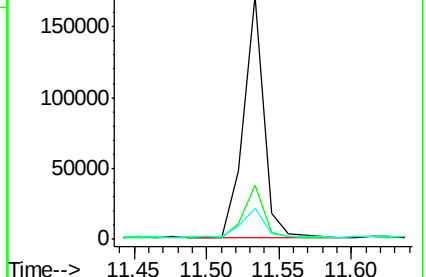
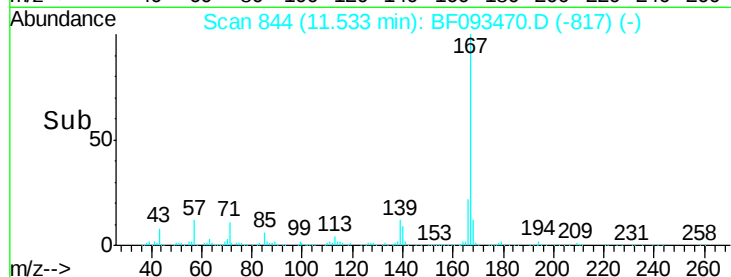
139 12.7 11.4 17.2



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



#74

Fluoranthene

Concen: 6.25 ng

RT: 12.50 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

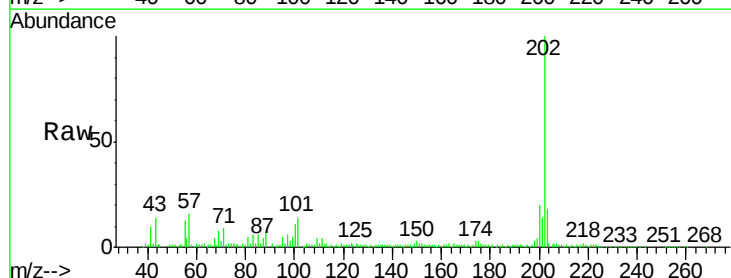
Tgt Ion:202 Resp: 151176

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.6

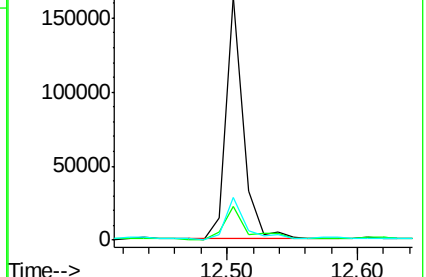
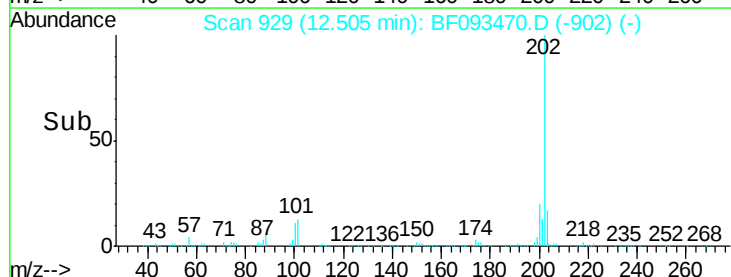
203 17.6 0.0 38.7

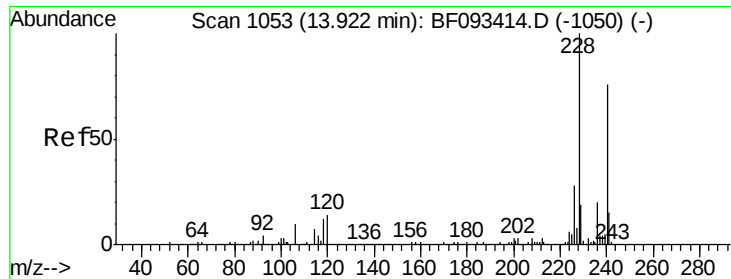


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

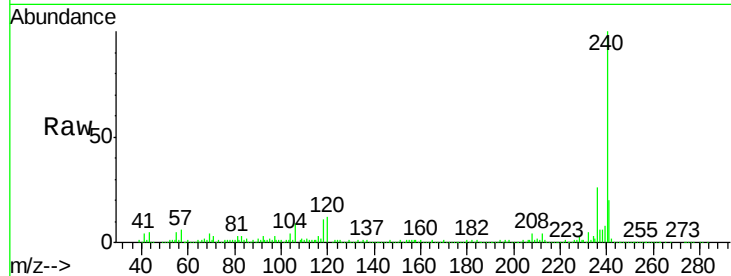
Tot Ion:240 Resp: 392074

Ion Ratio Lower Upper

240 100

120 12.0 12.9 19.3#

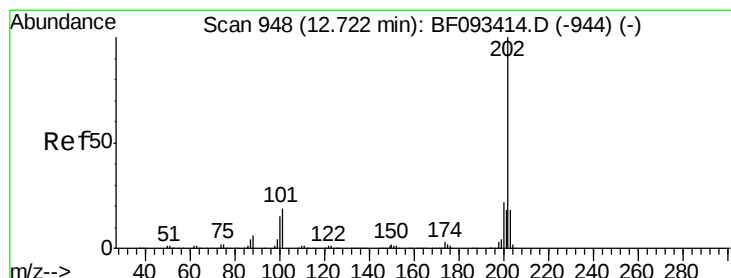
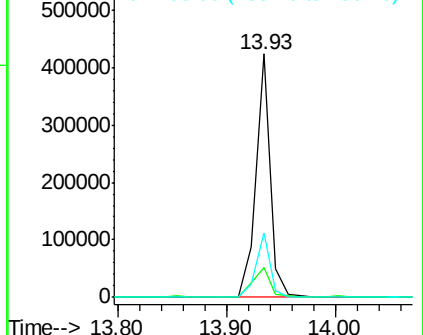
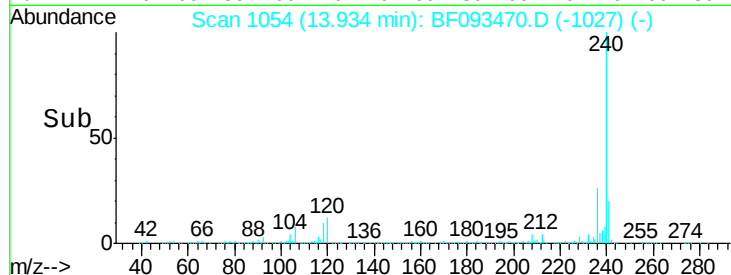
236 26.4 20.9 31.3



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: 4.54 ng

RT: 12.73 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

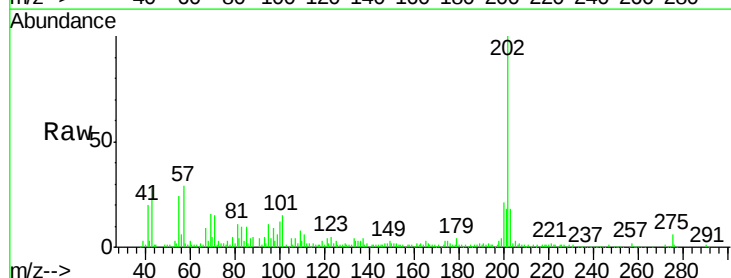
Tgt Ion:202 Resp: 129315

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

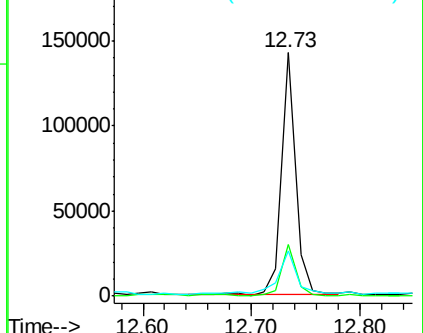
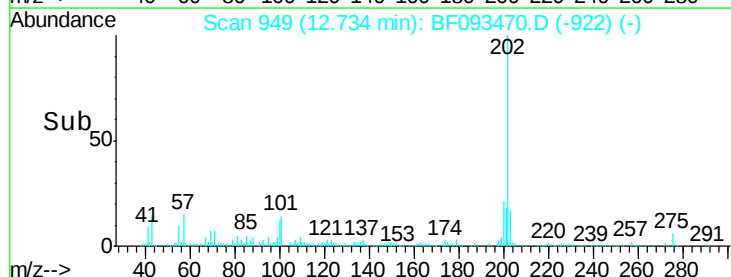
203 18.5 14.7 22.1

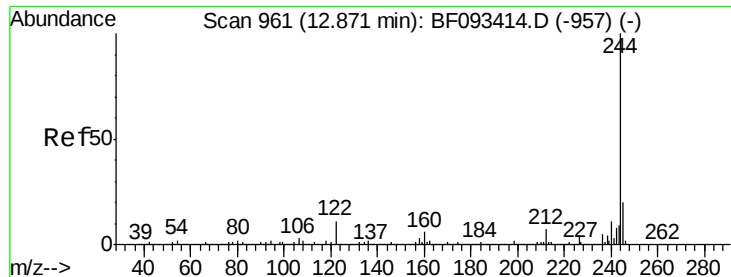


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.30 ng

RT: 12.87 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampled :

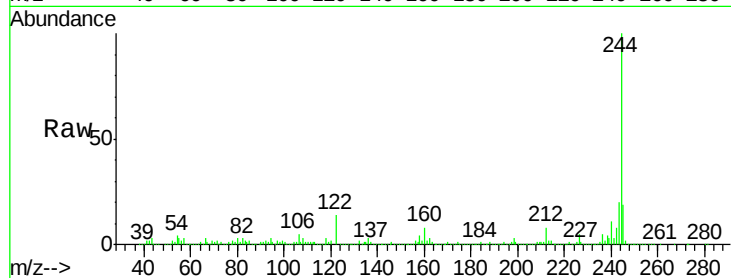
Tot Ion:244 Resp: 637832

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

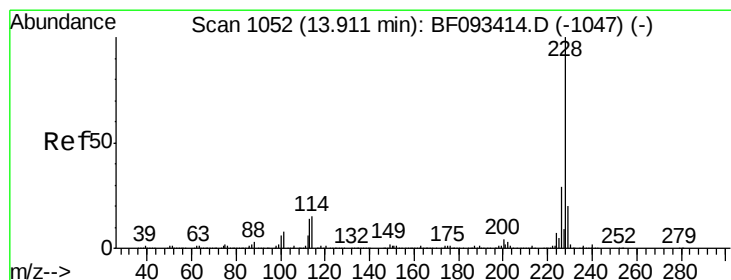
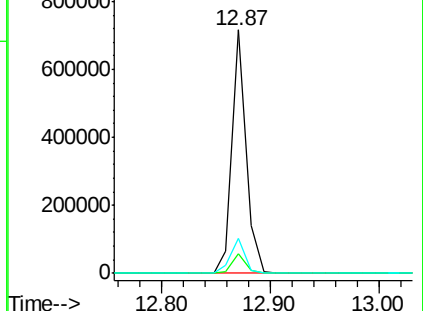
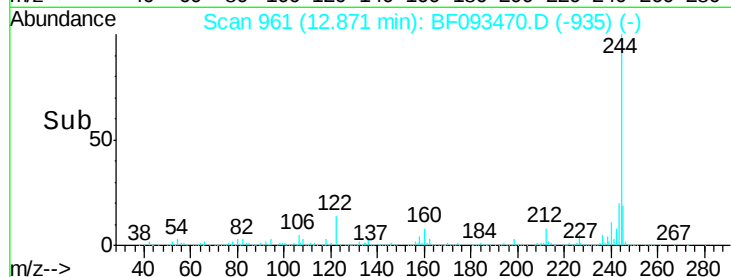
122 14.5 11.4 17.2



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: 3.05 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

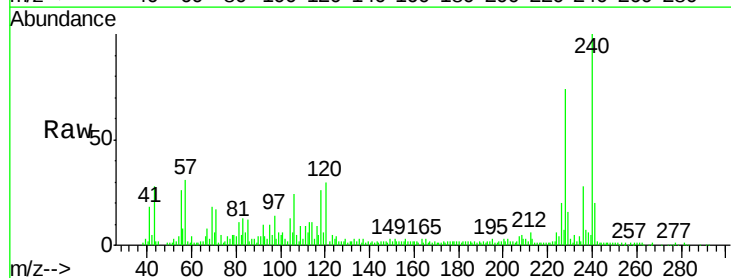
Tgt Ion:228 Resp: 70612

Ion Ratio Lower Upper

228 100

226 26.9 22.4 33.6

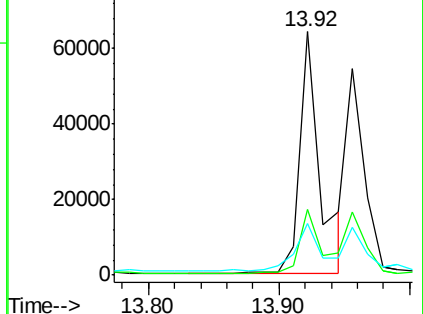
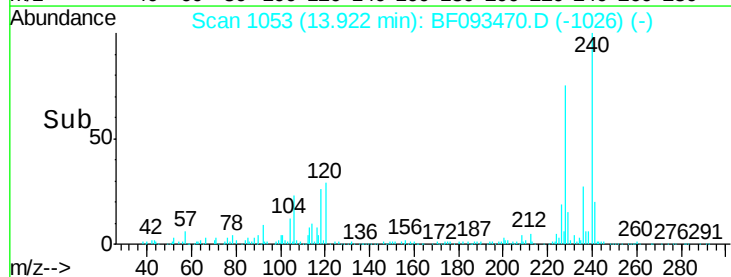
229 21.4 16.2 24.4

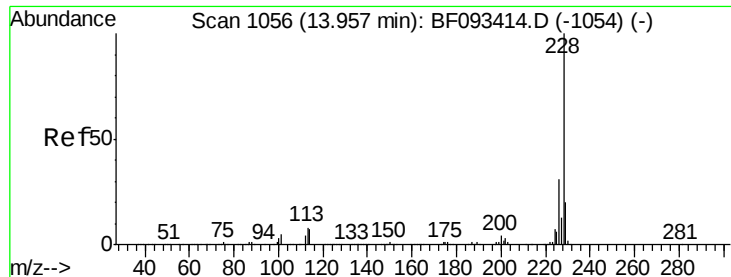


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.46 ng

RT: 13.96 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

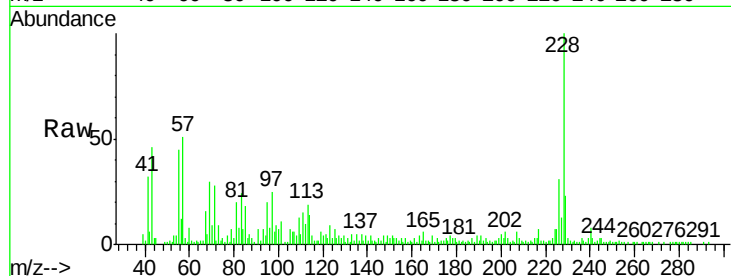
Tot Ion:228 Resp: 52793

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

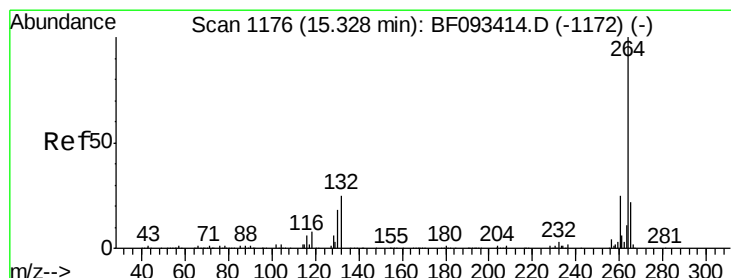
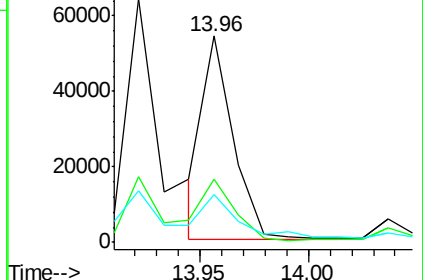
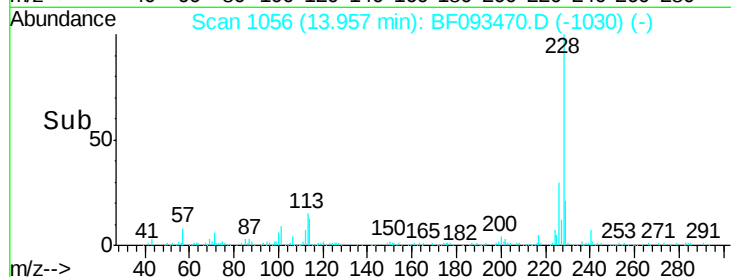
229 23.0 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1178

Delta R.T. 0.02 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

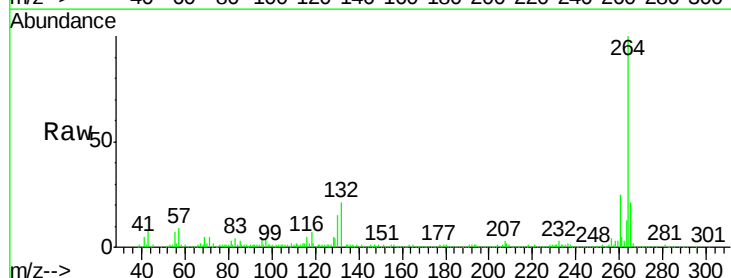
Tgt Ion:264 Resp: 307446

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

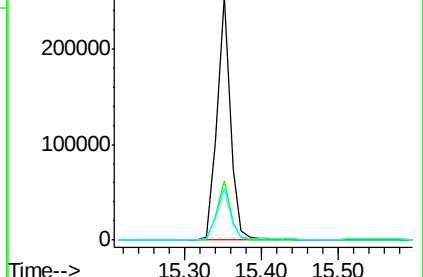
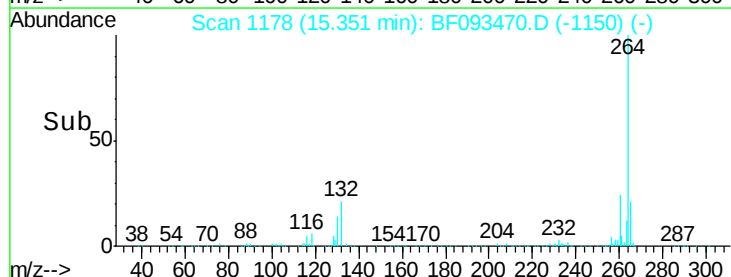
265 21.4 17.4 26.0

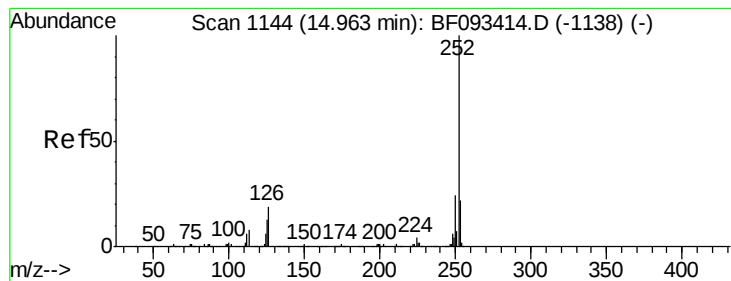


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.38 ng

RT: 14.95 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

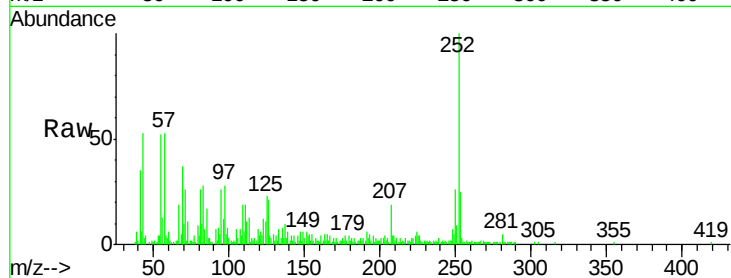
Tot Ion:252 Resp: 82033

Ion Ratio Lower Upper

252 100

253 25.4 18.2 27.4

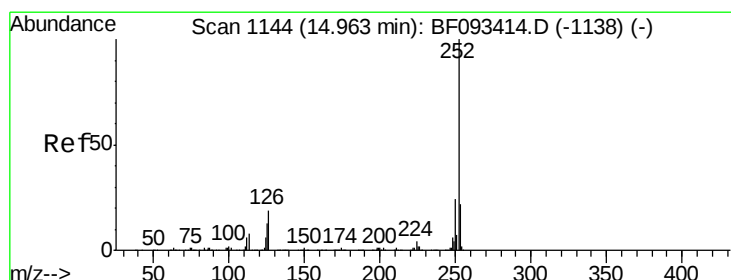
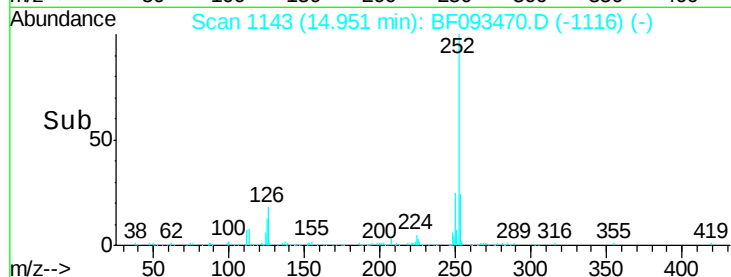
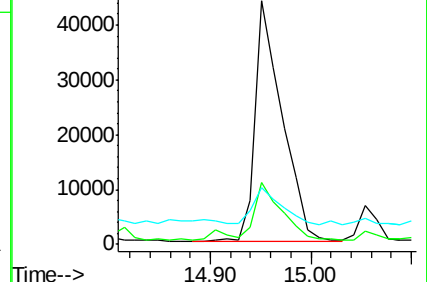
125 23.3 9.8 14.6#



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: 4.54 ng

RT: 14.95 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

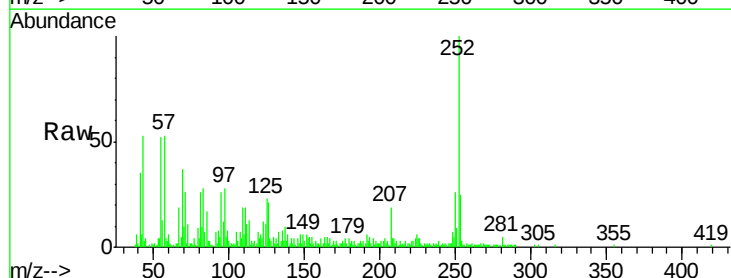
Tgt Ion:252 Resp: 82033

Ion Ratio Lower Upper

252 100

253 25.4 18.5 27.7

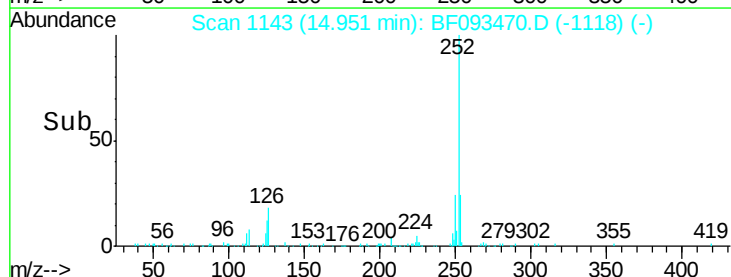
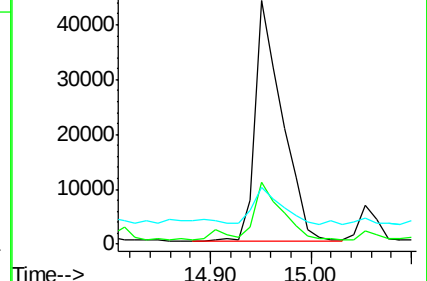
125 23.3 8.9 13.3#

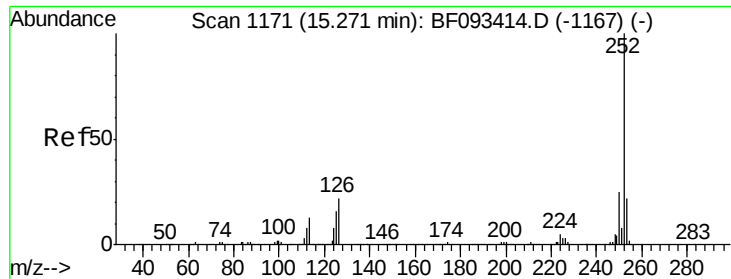


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.44 ng

RT: 15.29 min Scan# 1173

Delta R.T. 0.02 min

Lab File: BF093470.D

Acq: 9 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 41742

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 21.5 10.0 15.0#

