

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083433.D
 Acq On : 2 Dec 2015 22:50
 Operator : UM/IZ
 Sample : G4582-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(8-15)

Quant Time: Dec 03 02:53:57 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	158220	20.00	ng	-0.01
21) Naphthalene-d8	7.84	136	608397	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	313036	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	551638	20.00	ng	-0.01
75) Chrysene-d12	14.73	240	392187	20.00	ng	-0.03
86) Perylene-d12	16.80	264	360878	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1502448	142.49	ng	0.00
7) Phenol-d6	6.21	99	1967614	136.34	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1372103	99.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	394978	125.69	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1751303	79.73	ng	-0.01
78) Terphenyl-d14	13.21	244	1559487	94.83	ng	-0.01

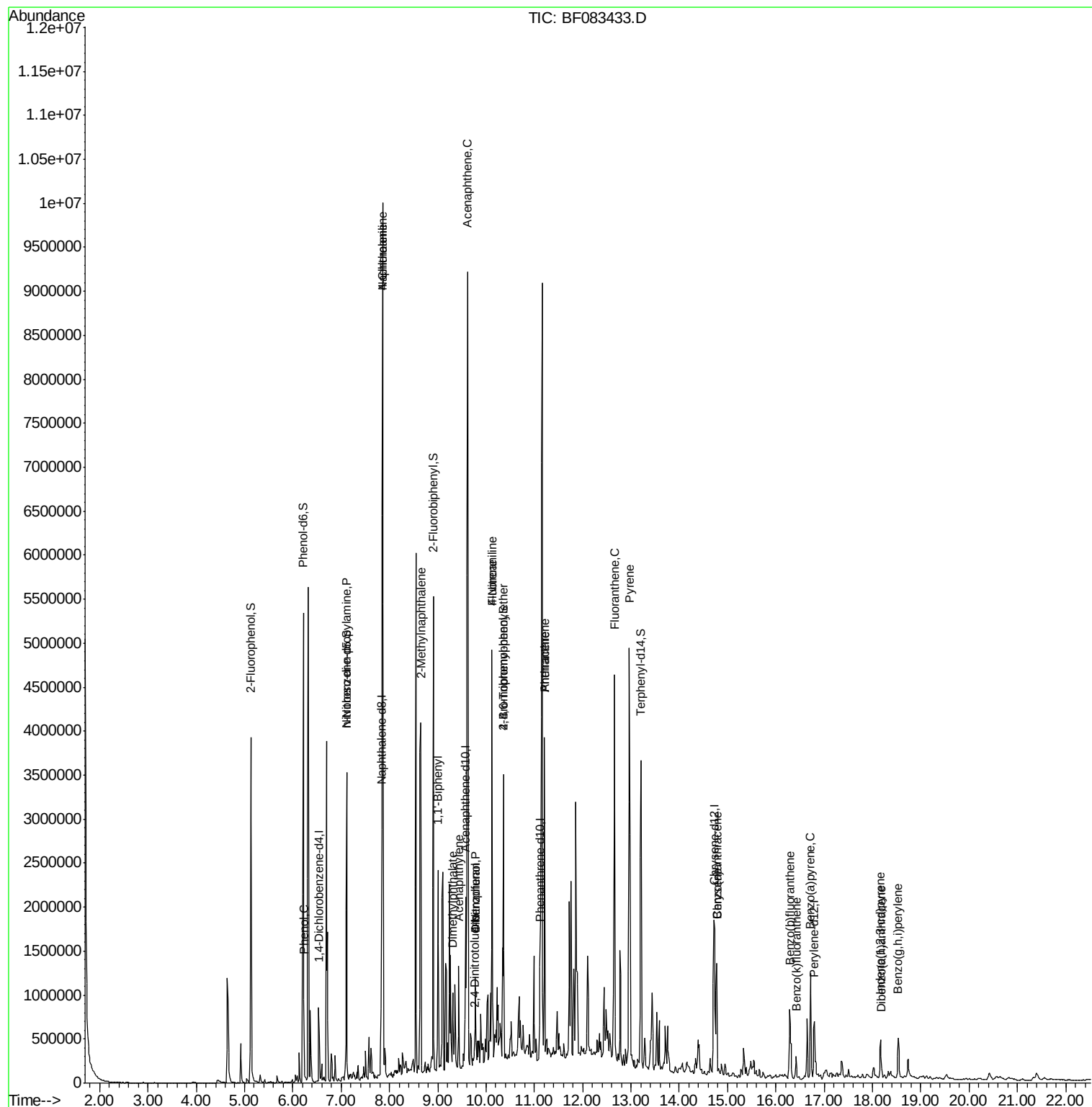
Target Compounds				Qvalue		
9) Benzaldehyde	6.05	77	4831	Below Cal	#	1
10) Phenol	6.22	94	49030	2.82 ng	#	74
19) n-Nitroso-di-n-propylamine	7.12	70	193852	18.79 ng	#	80
31) Naphthalene	7.86	128	6943643	210.35 ng	#	93
33) 4-Chloroaniline	7.86	127	1081983	76.03 ng	#	32
37) 2-Methylnaphthalene	8.65	142	1644366	74.54 ng		95
45) 1,1'-Biphenyl	9.00	154	905651	32.99 ng		95
48) Acenaphthylene	9.44	152	285656	8.56 ng	#	95
49) Dimethylphthalate	9.31	163	339230	13.33 ng		98
51) Acenaphthene	9.62	154	2644378	134.73 ng		98
54) Dibenzofuran	9.78	168	242553	8.43 ng	#	92
55) 4-Nitrophenol	9.78	139	90682	22.77 ng	#	1
56) 2,4-Dinitrotoluene	9.76	165	18231	2.64 ng	#	45
57) Fluorene	10.12	166	1520967	66.97 ng		98
61) 4-Nitroaniline	10.12	138	19711	3.09 ng	#	25
66) 4-Bromophenyl-phenylether	10.36	248	23576	3.91 ng	#	1
70) Phenanthrene	11.21	178	1516711	46.46 ng		99
71) Anthracene	11.21	178	1516711	46.15 ng		99
74) Fluoranthene	12.66	202	2457613	72.63 ng		99
77) Pyrene	12.97	202	3376632	123.28 ng		96
80) Benzo(a)anthracene	14.77	228	741589	30.86 ng		96
82) Chrysene	14.77	228	744934	32.09 ng		99
85) Indeno(1,2,3-cd)pyrene	18.17	276	284313	16.82 ng		95
87) Benzo(b)fluoranthene	16.28	252	765663	33.07 ng		99
88) Benzo(k)fluoranthene	16.42	252	169580	7.76 ng		98
89) Benzo(a)pyrene	16.72	252	716767	36.04 ng	#	97
90) Dibenzo(a,h)anthracene	18.18	278	63178	3.65 ng		99
91) Benzo(g,h,i)perylene	18.53	276	322391	18.95 ng		95

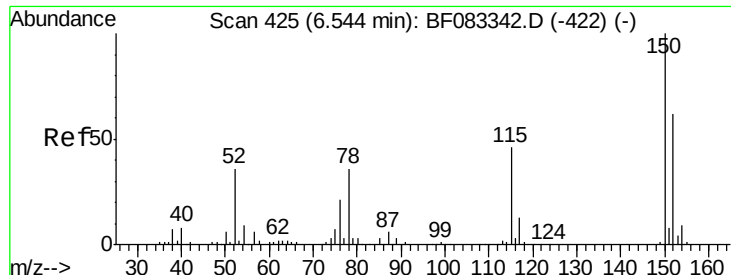
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

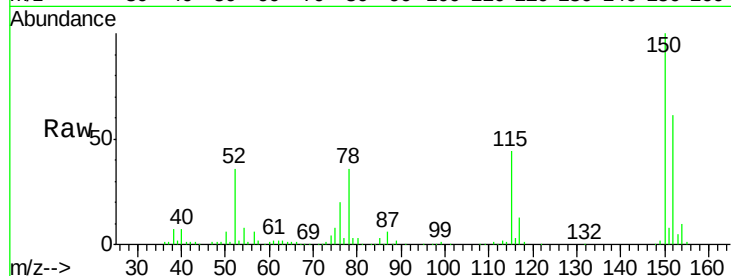
Tgt Ion:152 Resp: 158220

Ion Ratio Lower Upper

152 100

150 162.7 129.8 194.8

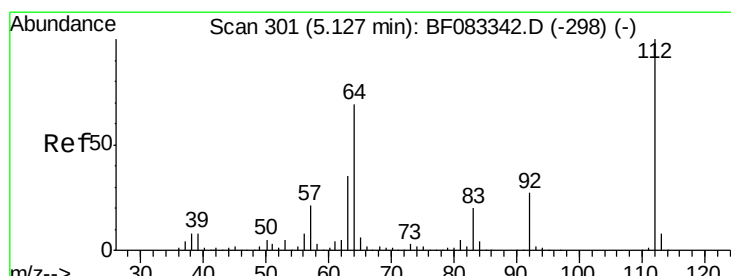
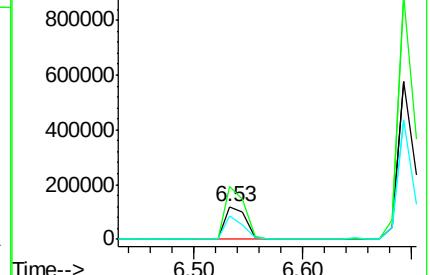
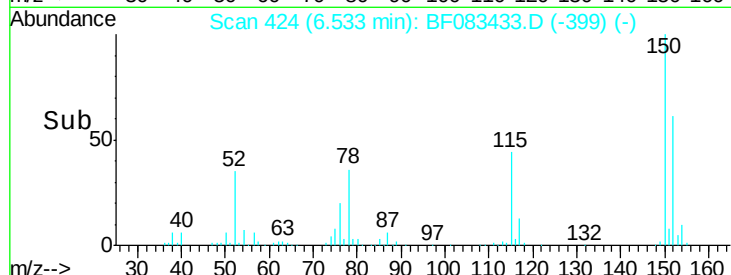
115 72.4 59.2 88.8



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: 142.49 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

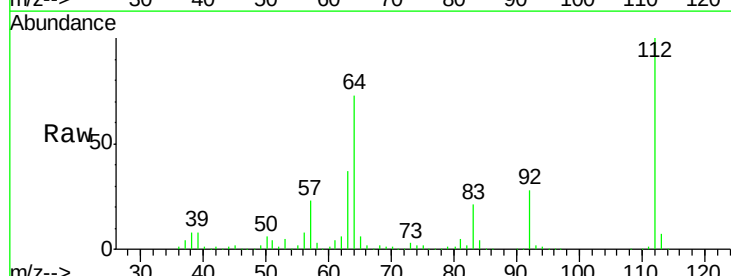
Tgt Ion:112 Resp: 1502448

Ion Ratio Lower Upper

112 100

64 72.8 55.6 83.4

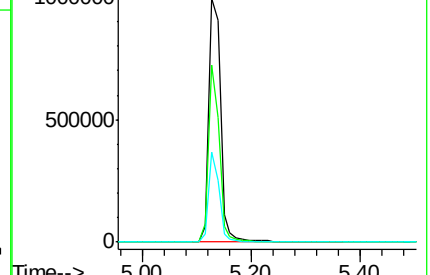
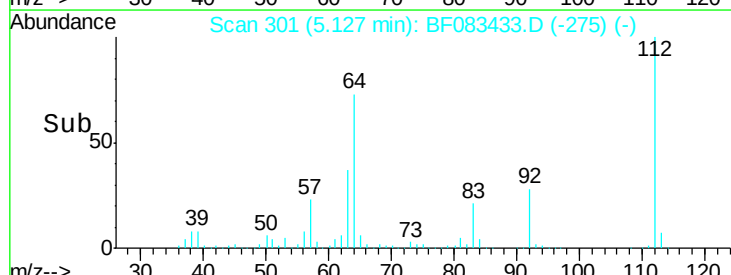
63 37.1 28.2 42.2

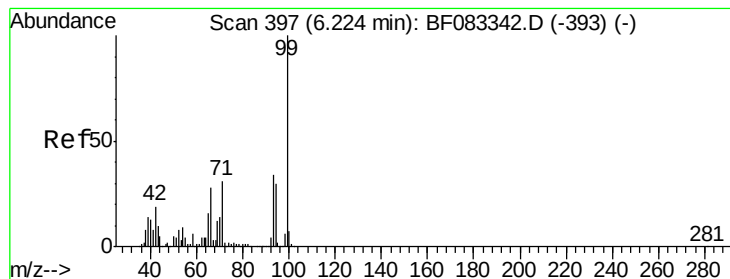


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.34 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

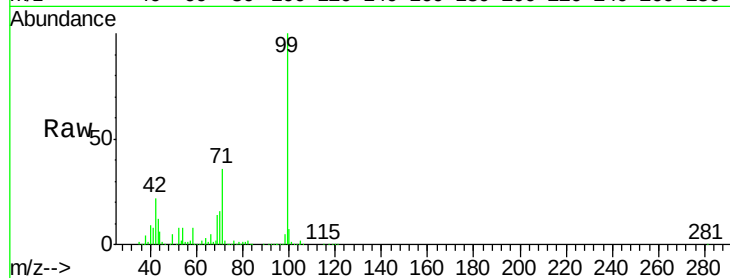
Tgt Ion: 99 Resp: 1967614

Ion Ratio Lower Upper

99 100

42 22.5 14.9 22.3#

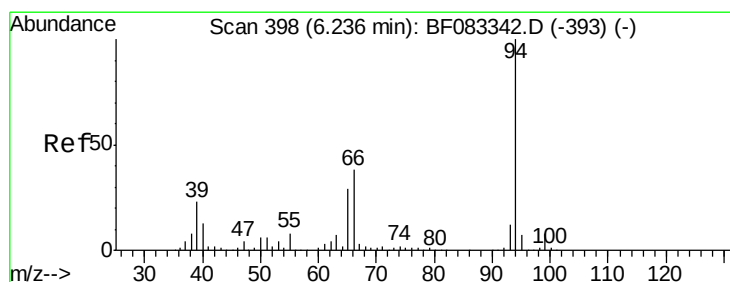
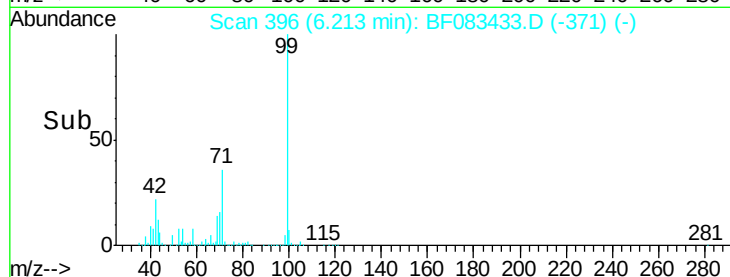
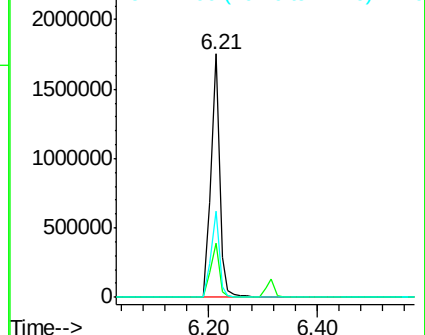
71 35.6 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.82 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

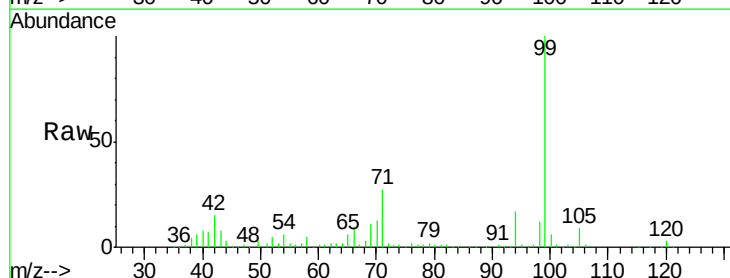
Tgt Ion: 94 Resp: 49030

Ion Ratio Lower Upper

94 100

65 36.3 9.5 49.5

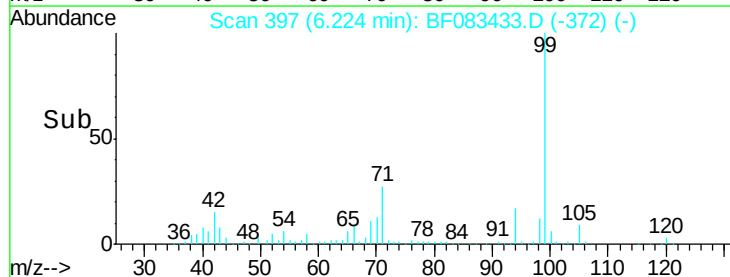
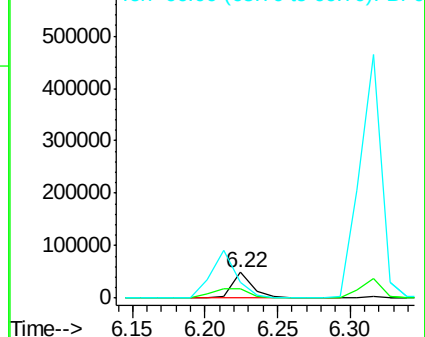
66 59.6 17.9 57.9#

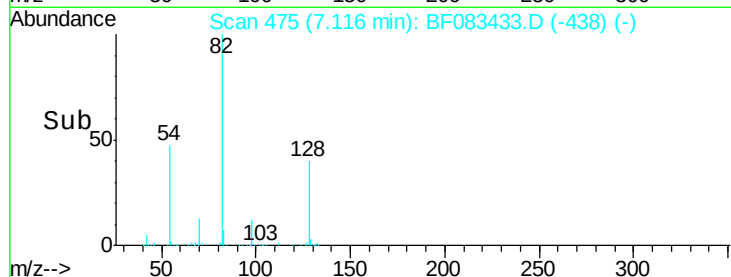
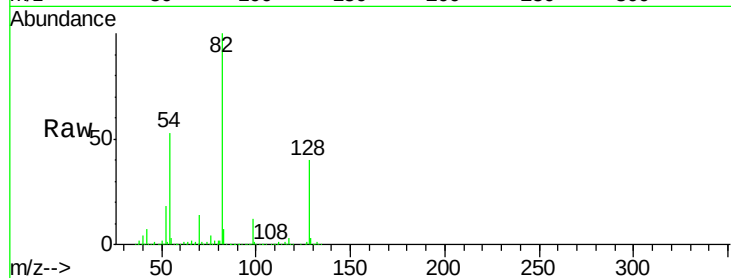
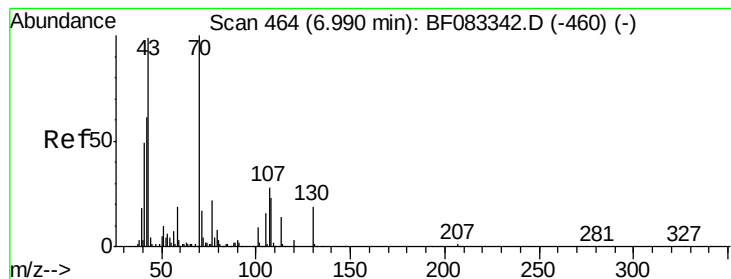


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.79 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

Tgt Ion: 70 Resp: 193852

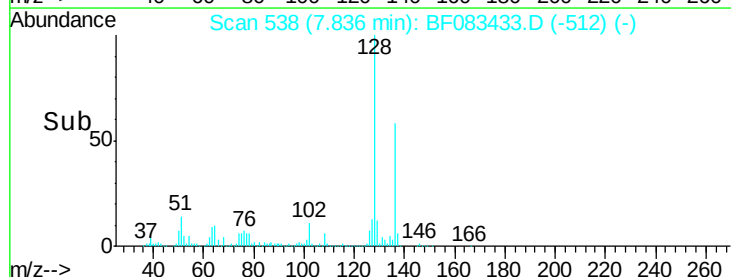
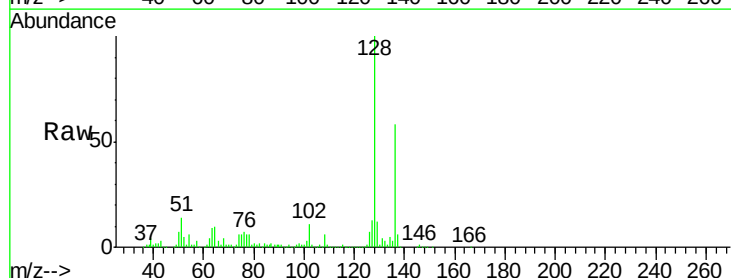
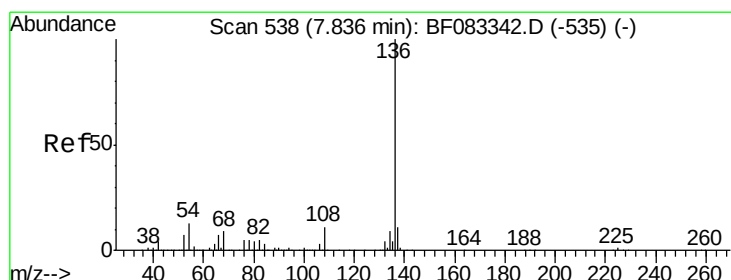
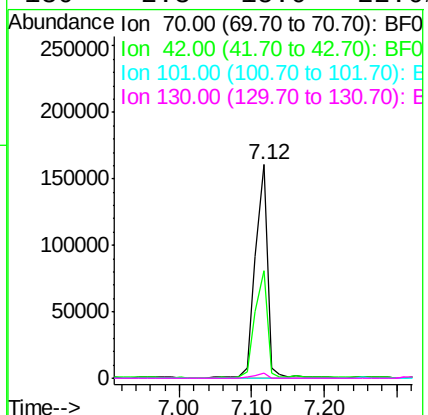
Ion Ratio Lower Upper

70 100

42 50.5 48.8 73.2

101 0.0 7.1 10.7#

130 2.3 15.0 22.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Tgt Ion: 136 Resp: 608397

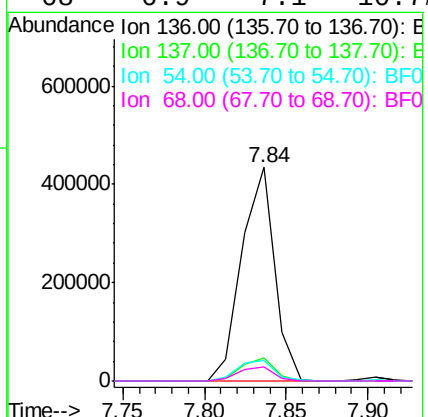
Ion Ratio Lower Upper

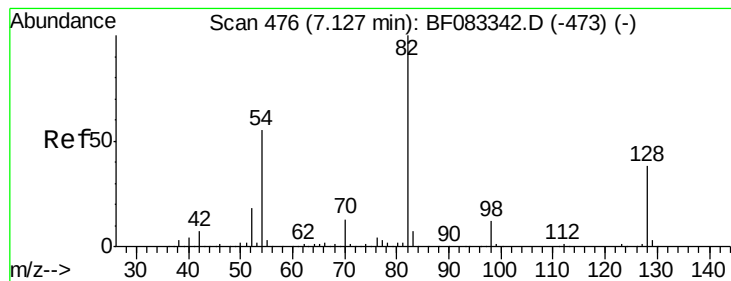
136 100

137 11.1 9.0 13.4

54 9.5 10.1 15.1#

68 6.9 7.1 10.7#





#23

Nitrobenzene-d5

Concen: 99.14 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

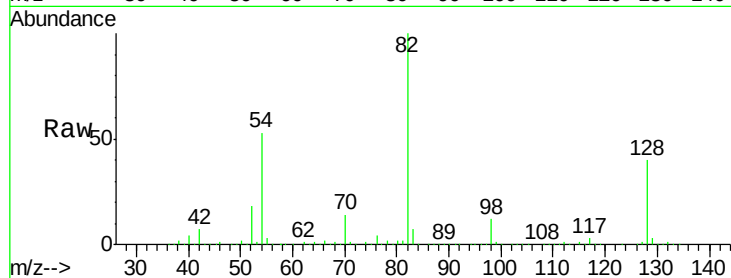
Tgt Ion: 82 Resp: 1372103

Ion Ratio Lower Upper

82 100

128 40.4 30.6 46.0

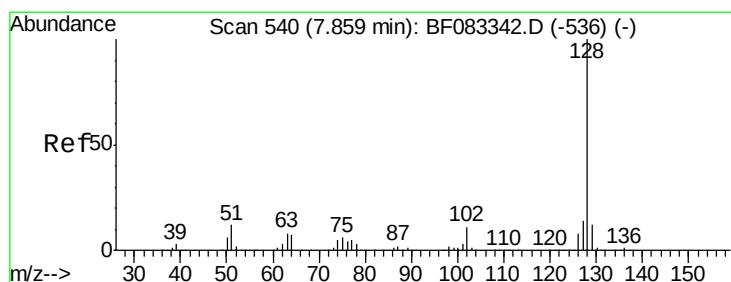
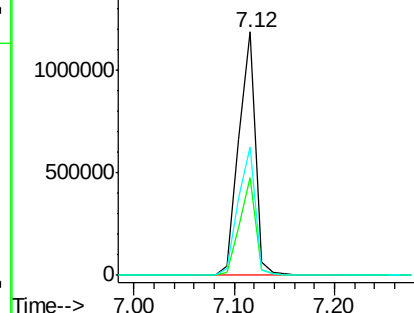
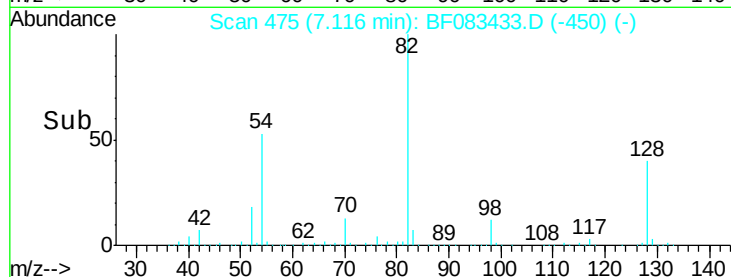
54 52.9 43.8 65.6



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



#31

Naphthalene

Concen: 210.35 ng

RT: 7.86 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

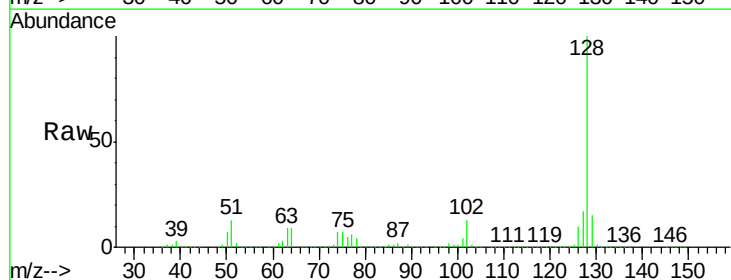
Tgt Ion: 128 Resp: 6943643

Ion Ratio Lower Upper

128 100

129 14.7 9.7 14.5#

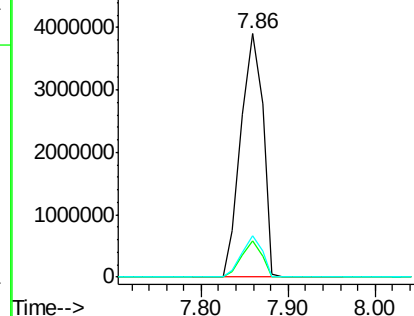
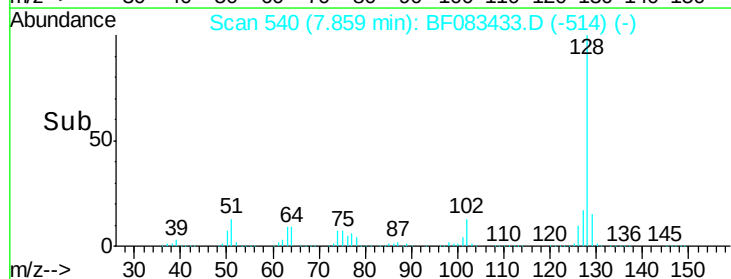
127 17.0 11.0 16.4#

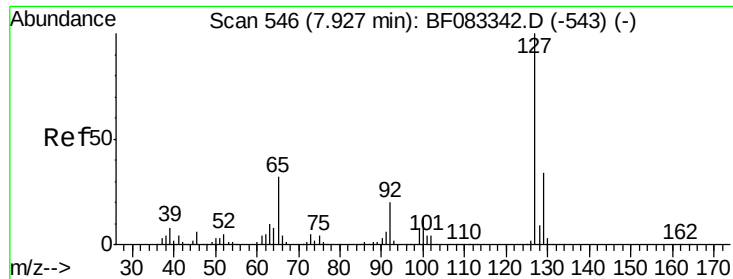


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

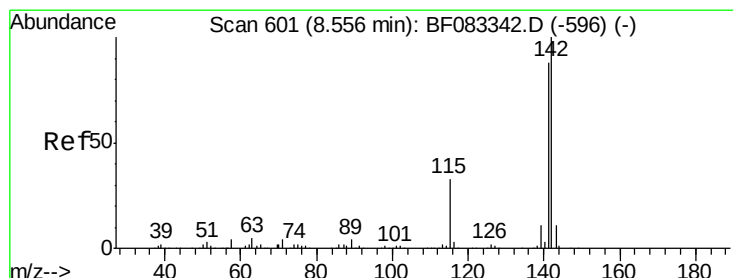
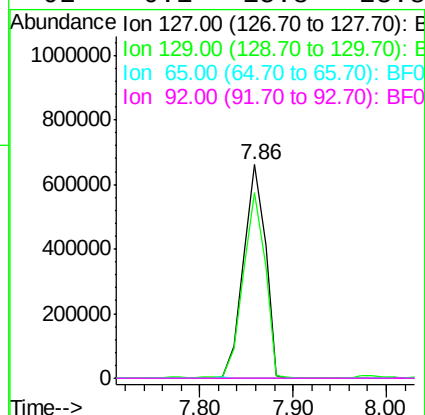
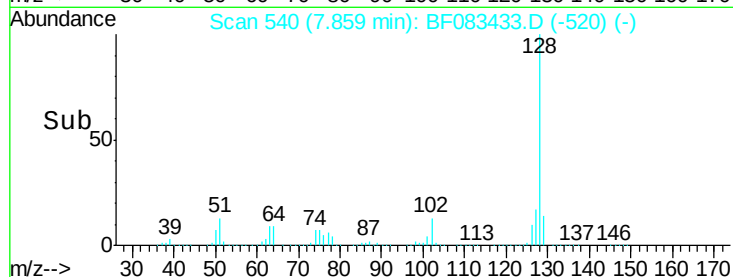
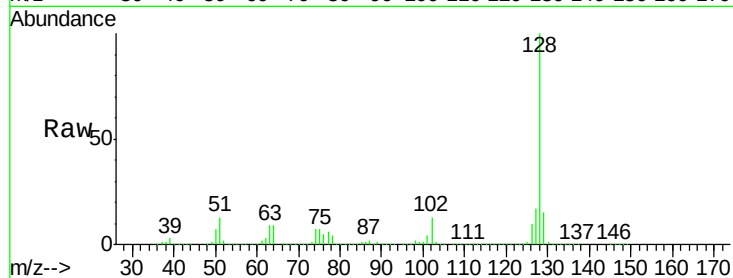




#33
4-Chloroaniline
Concen: 76.03 ng
RT: 7.86 min Scan# 540
Delta R.T. -0.07 min
Lab File: BF083433.D
Acq: 2 Dec 2015 22:50

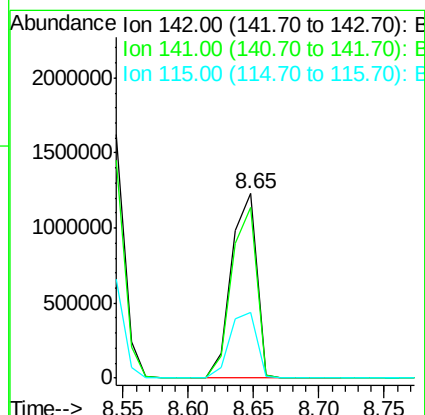
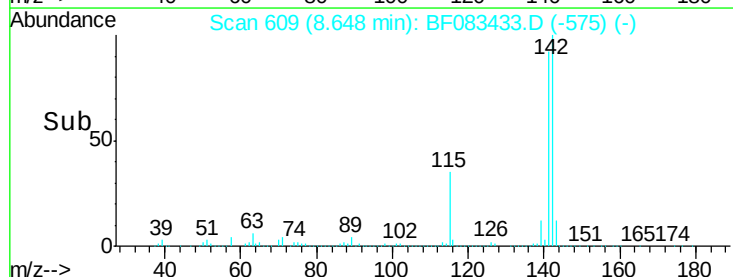
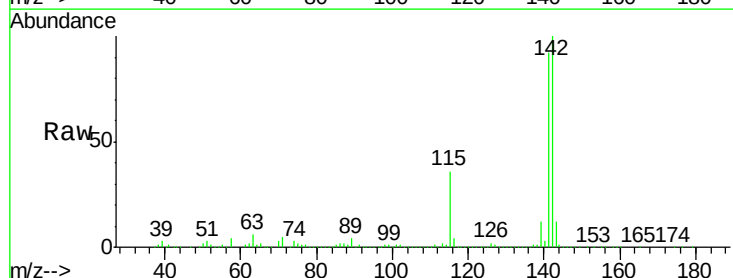
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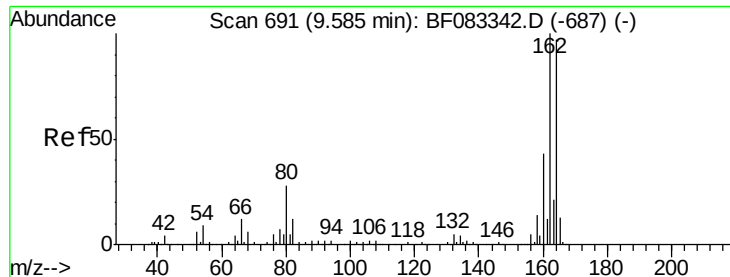
Tgt Ion:127 Resp: 1081983
Ion Ratio Lower Upper
127 100
129 86.6 27.0 40.4#
65 0.0 25.9 38.9#
92 0.1 15.8 23.8#



#37
2-Methylnaphthalene
Concen: 74.54 ng
RT: 8.65 min Scan# 609
Delta R.T. 0.09 min
Lab File: BF083433.D
Acq: 2 Dec 2015 22:50

Tgt Ion:142 Resp: 1644366
Ion Ratio Lower Upper
142 100
141 92.3 70.6 105.8
115 35.5 26.2 39.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

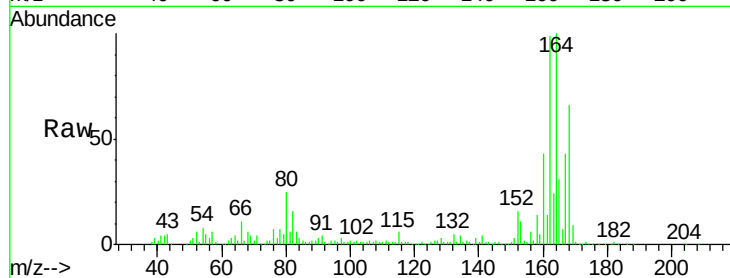
Tgt Ion:164 Resp: 313036

Ion Ratio Lower Upper

164 100

162 99.4 82.6 123.8

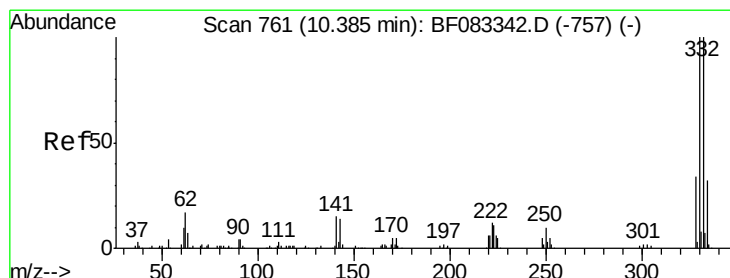
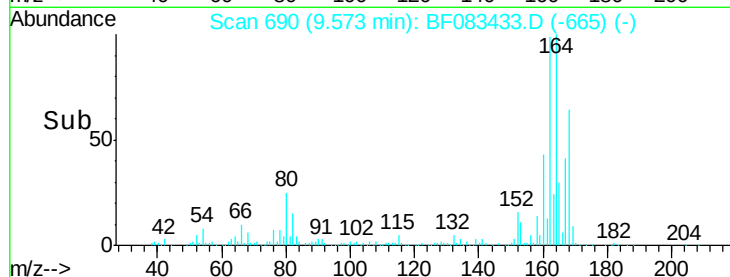
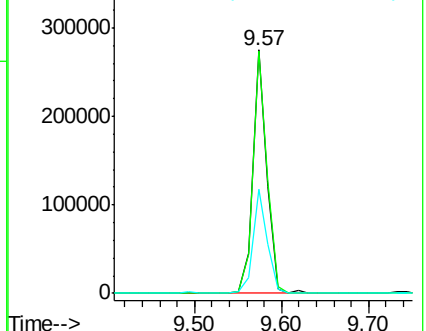
160 43.0 35.3 52.9



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: 125.69 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

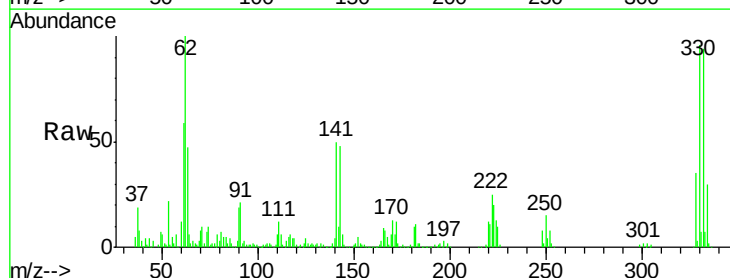
Tgt Ion:330 Resp: 394978

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

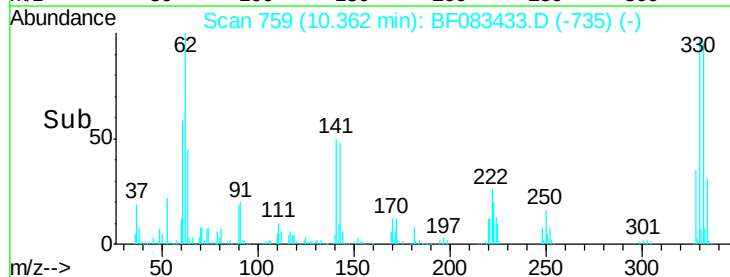
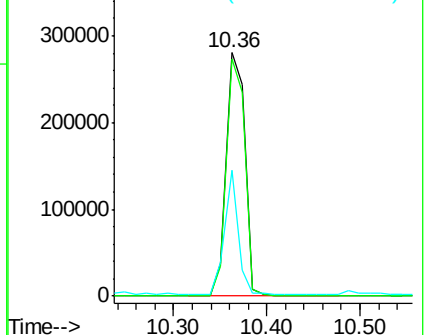
141 37.7 29.4 44.0

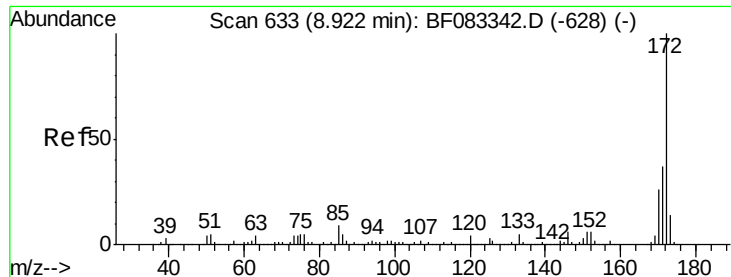


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

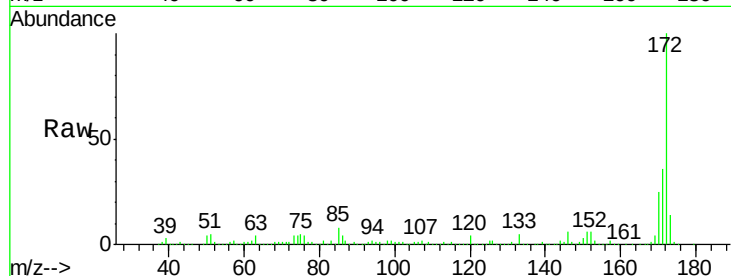




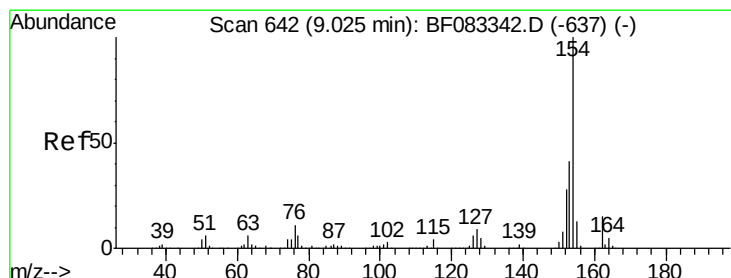
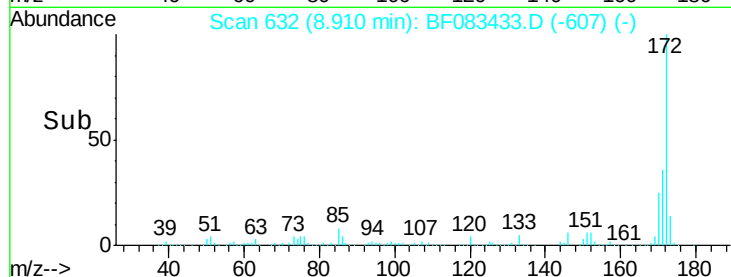
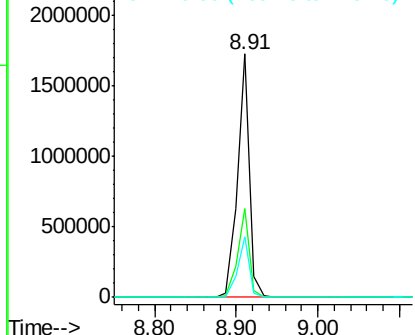
#44
 2-Fluorobiphenyl
 Concen: 79.73 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083433.D
 Acq: 2 Dec 2015 22:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(8-15)

Tgt Ion:172 Resp: 1751303
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.9 20.4 30.6

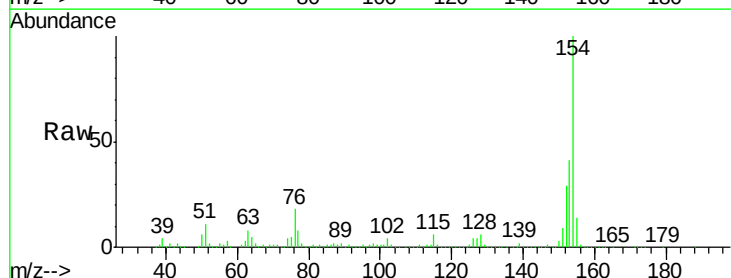


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

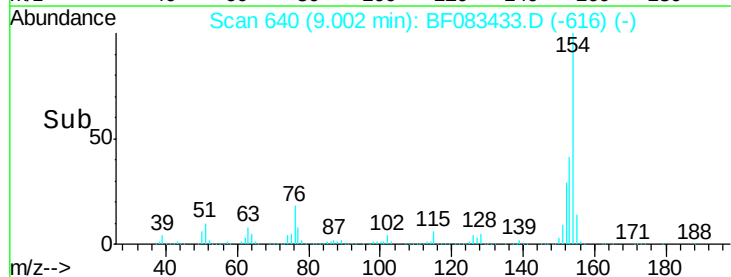
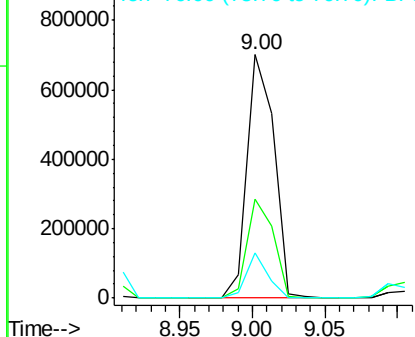


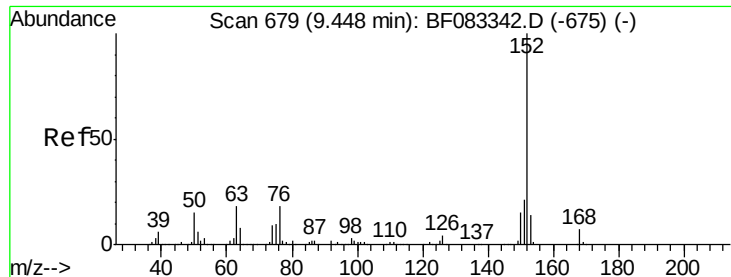
#45
 1,1'-Biphenyl
 Concen: 32.99 ng
 RT: 9.00 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF083433.D
 Acq: 2 Dec 2015 22:50

Tgt Ion:154 Resp: 905651
 Ion Ratio Lower Upper
 154 100
 153 40.9 20.6 60.6
 76 18.4 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 8.56 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

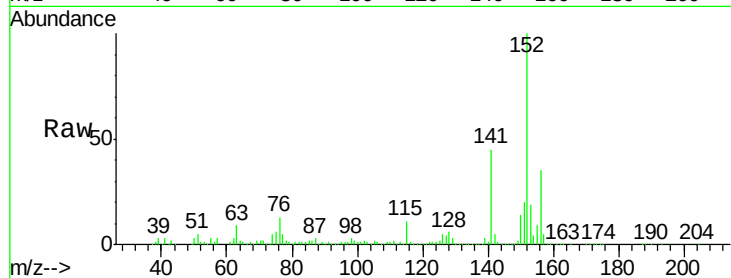
Tgt Ion:152 Resp: 285656

Ion Ratio Lower Upper

152 100

151 20.3 16.7 25.1

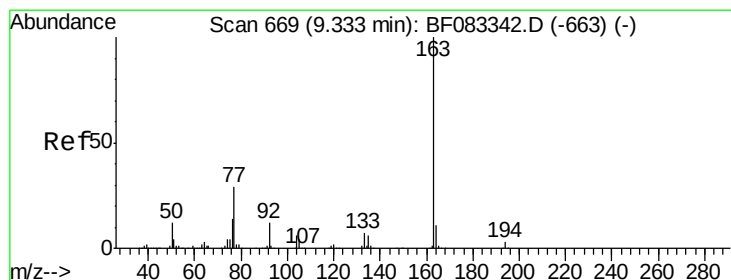
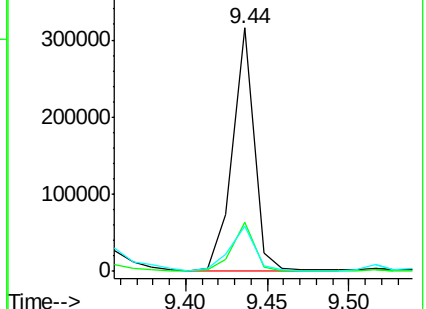
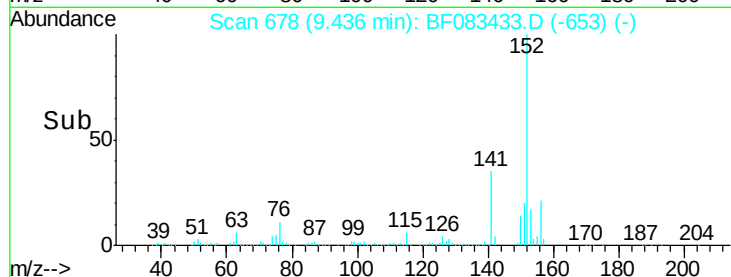
153 18.6 11.2 16.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.33 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

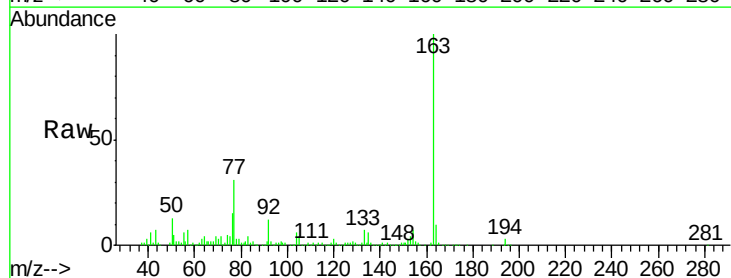
Tgt Ion:163 Resp: 339230

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

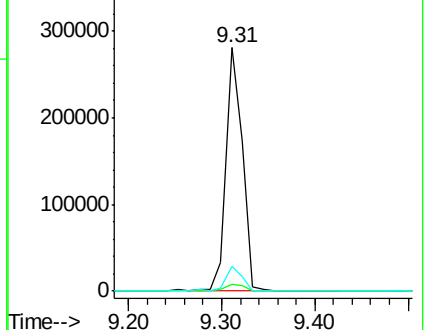
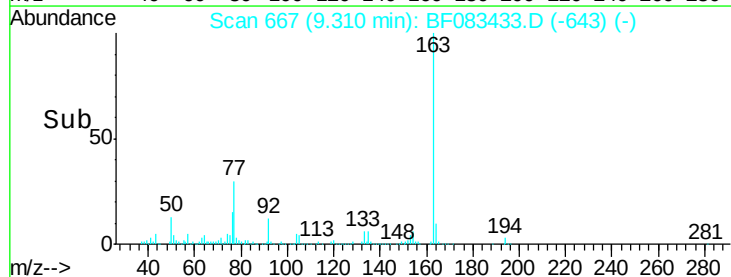
164 9.9 8.8 13.2

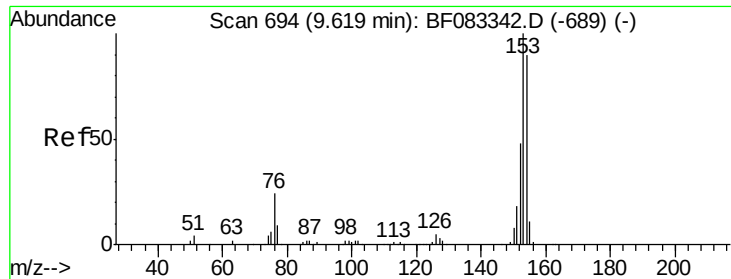


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 134.73 ng

RT: 9.62 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

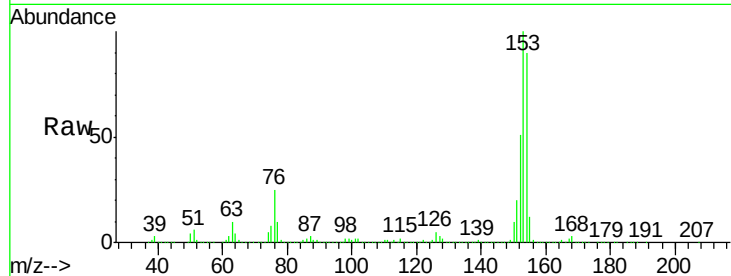
Tgt Ion:154 Resp: 2644378

Ion Ratio Lower Upper

154 100

153 110.8 89.3 133.9

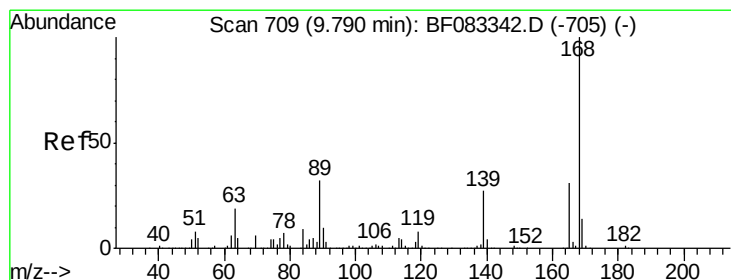
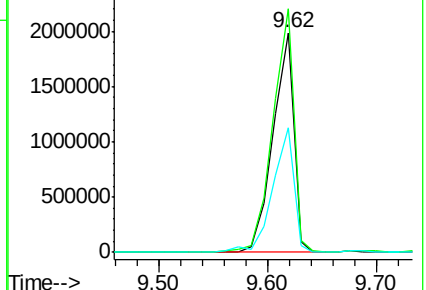
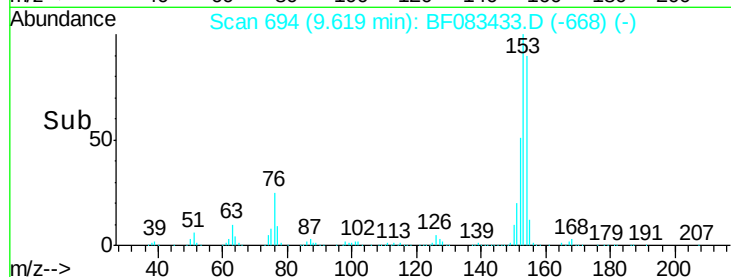
152 56.6 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 8.43 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

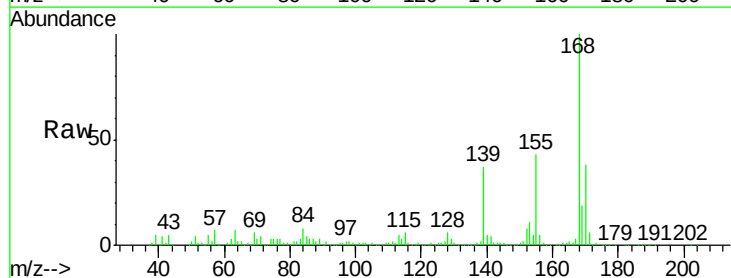
Tgt Ion:168 Resp: 242553

Ion Ratio Lower Upper

168 100

139 36.9 32.7 49.1

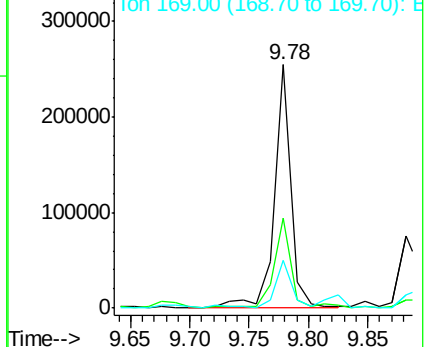
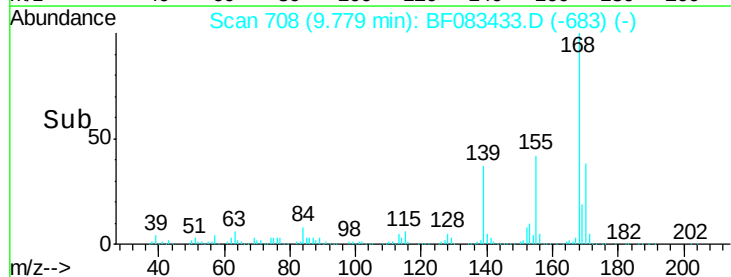
169 19.4 11.1 16.7#

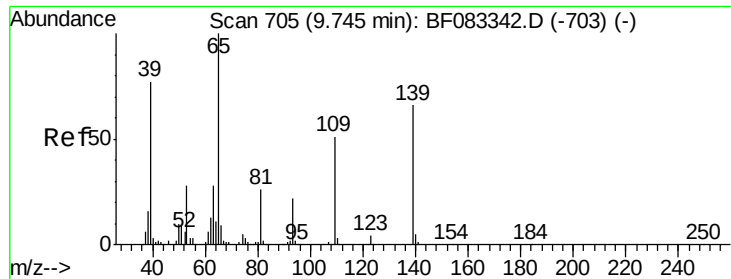


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 22.77 ng

RT: 9.78 min Scan# 708

Delta R.T. 0.04 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

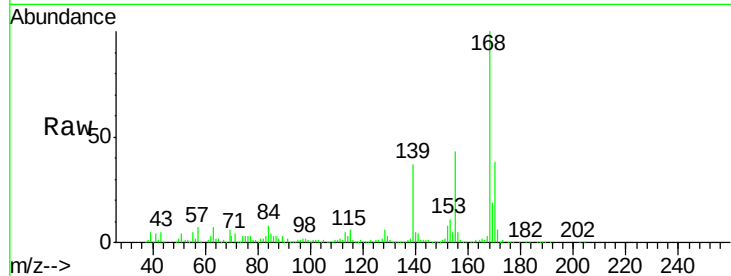
Tgt Ion:139 Resp: 90682

Ion Ratio Lower Upper

139 100

109 3.3 57.4 97.4#

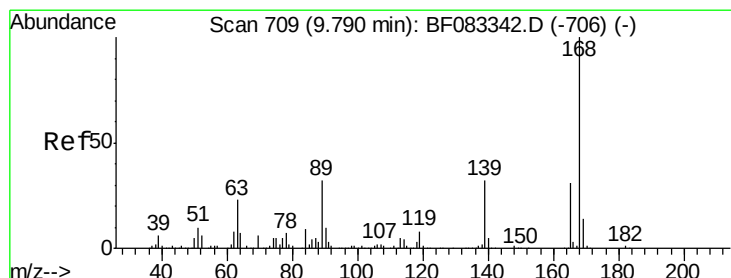
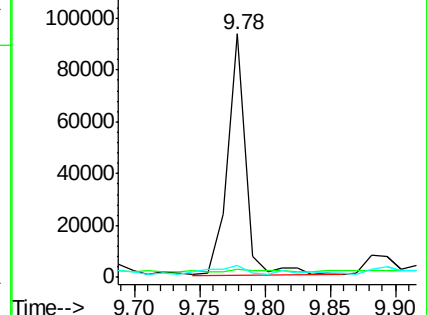
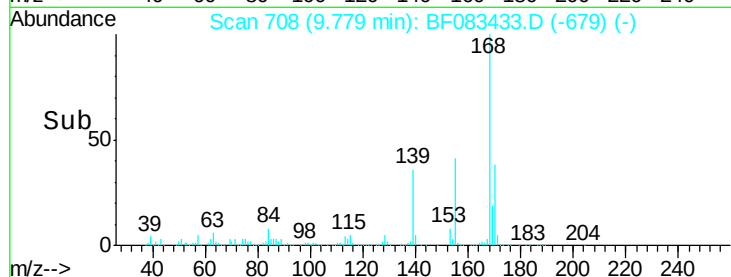
65 5.0 131.6 171.6#



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): E



#56

2,4-Dinitrotoluene

Concen: 2.64 ng

RT: 9.76 min Scan# 706

Delta R.T. -0.03 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Tgt Ion:165 Resp: 18231

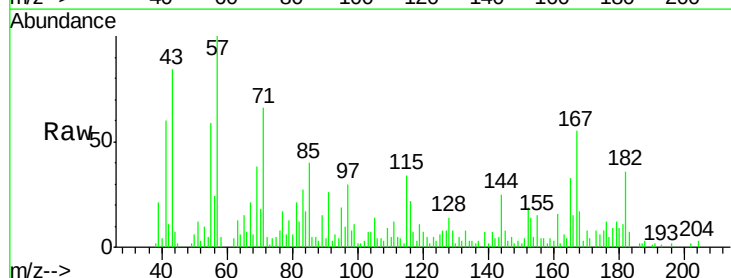
Ion Ratio Lower Upper

165 100

63 38.9 65.4 98.0#

89 47.0 81.2 121.8#

182 109.4 1.8 2.8#

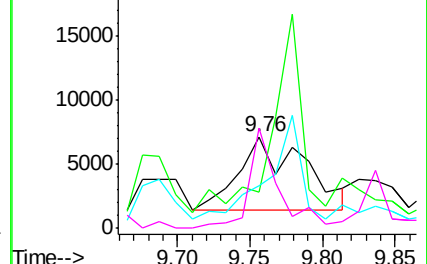
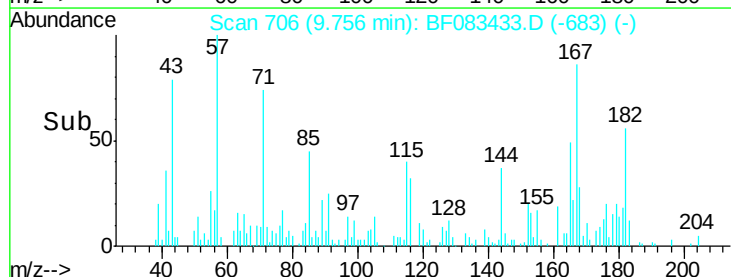


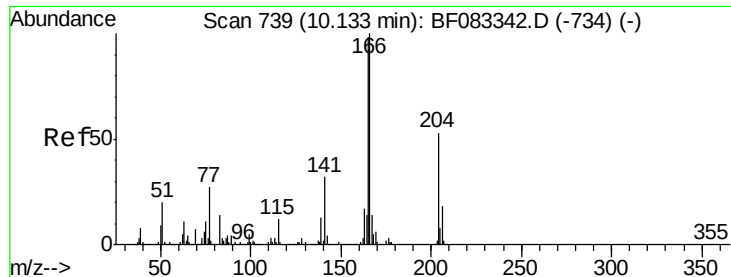
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

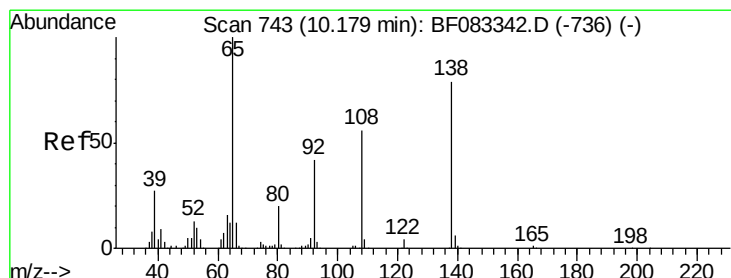
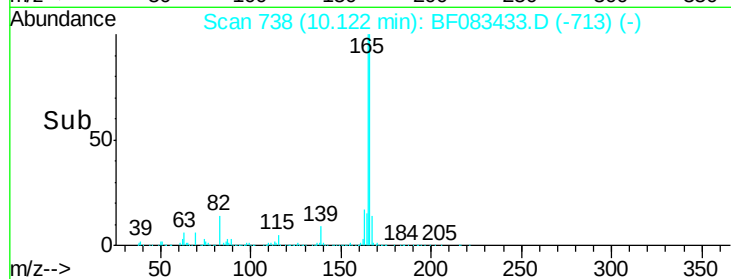
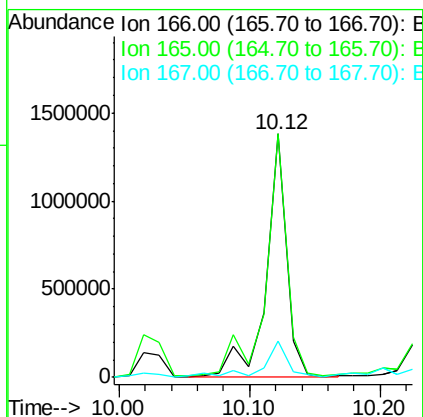
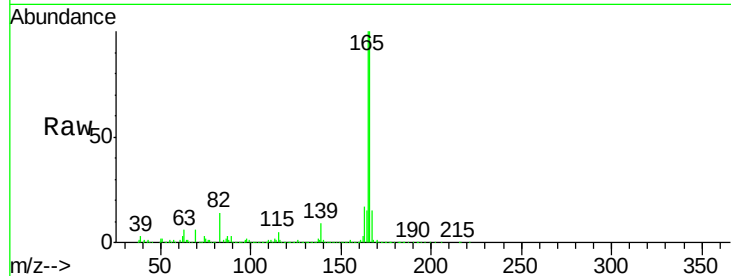




#57
 Fluorene
 Concen: 66.97 ng
 RT: 10.12 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF083433.D
 Acq: 2 Dec 2015 22:50

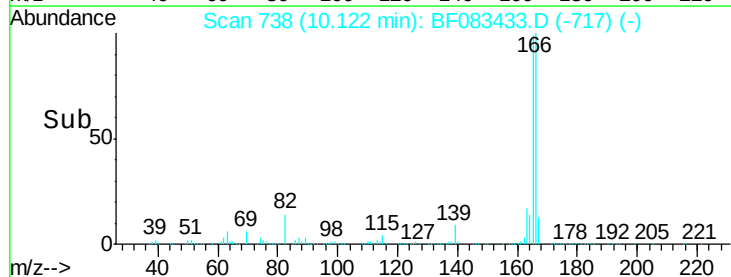
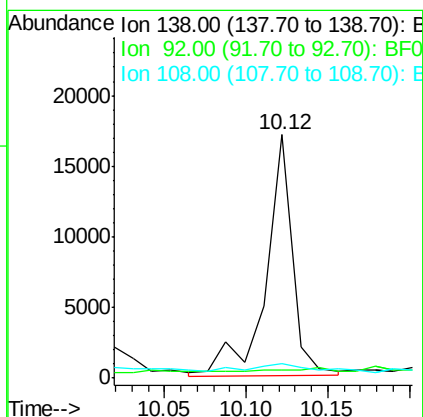
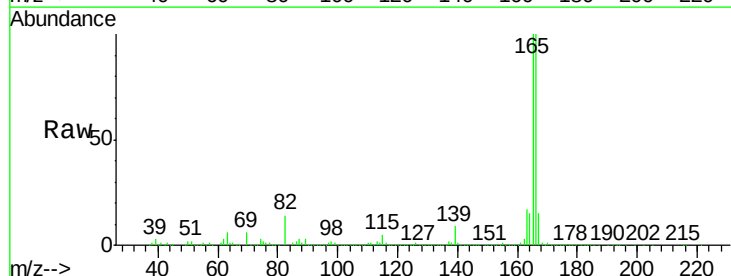
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(8-15)

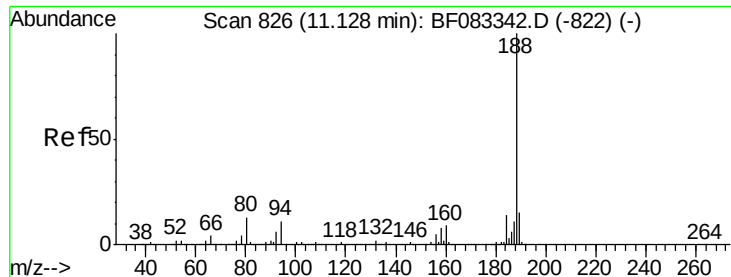
Tgt Ion:166 Resp: 1520967
 Ion Ratio Lower Upper
 166 100
 165 100.0 78.3 117.5
 167 14.8 11.1 16.7



#61
 4-Nitroaniline
 Concen: 3.09 ng
 RT: 10.12 min Scan# 738
 Delta R.T. -0.06 min
 Lab File: BF083433.D
 Acq: 2 Dec 2015 22:50

Tgt Ion:138 Resp: 19711
 Ion Ratio Lower Upper
 138 100
 92 3.1 33.6 73.6#
 108 6.1 51.0 91.0#

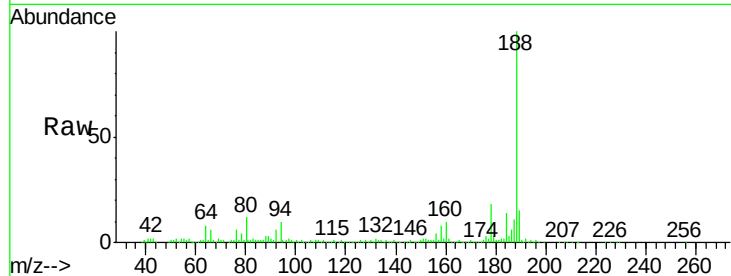




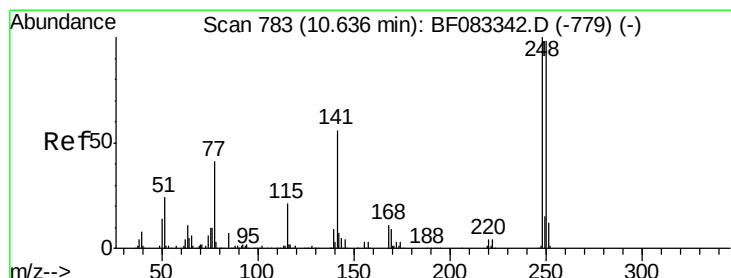
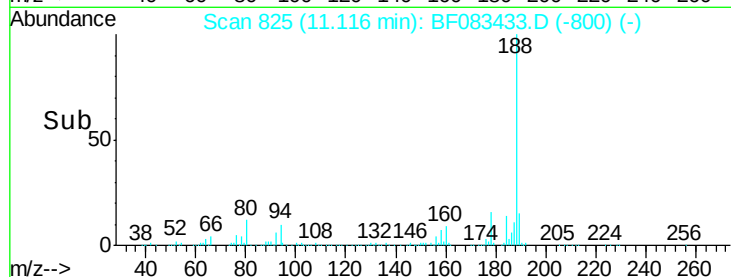
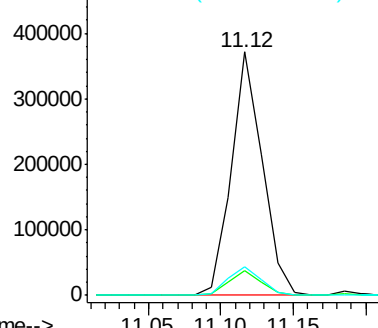
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF083433.D
Acq: 2 Dec 2015 22:50

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)

Tgt Ion:188 Resp: 551638
Ion Ratio Lower Upper
188 100
94 10.4 8.7 13.1
80 11.9 10.3 15.5

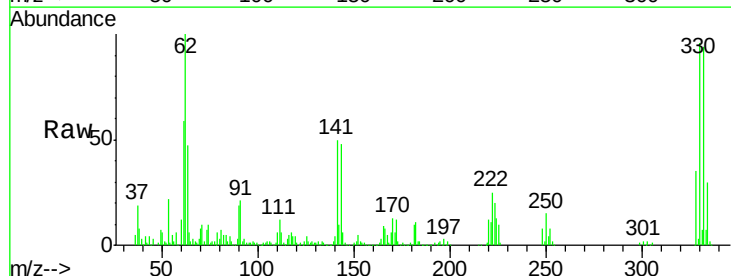


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

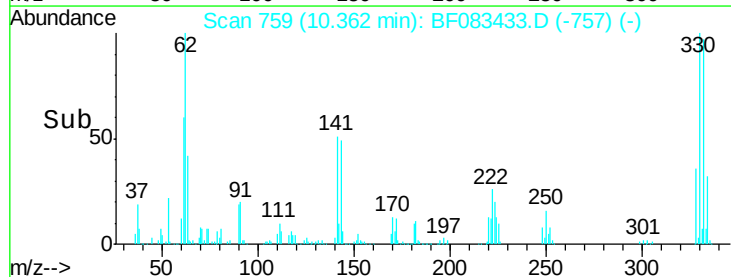
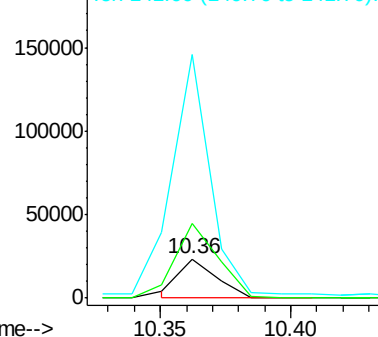


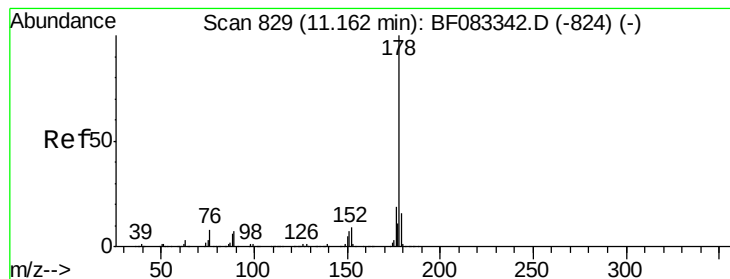
#66
4-Bromophenyl-phenylether
Concen: 3.91 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.27 min
Lab File: BF083433.D
Acq: 2 Dec 2015 22:50

Tgt Ion:248 Resp: 23576
Ion Ratio Lower Upper
248 100
250 190.2 78.6 118.0#
141 619.4 44.4 66.6#



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: 46.46 ng

RT: 11.21 min Scan# 833

Delta R.T. 0.05 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

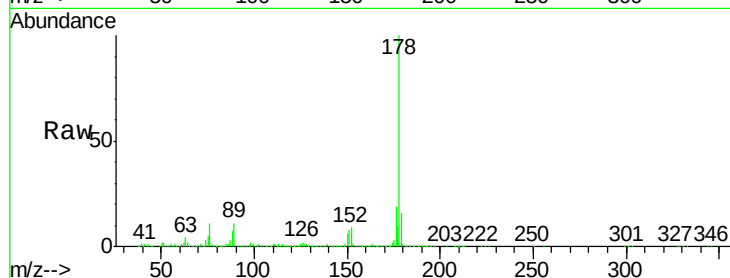
Tgt Ion:178 Resp: 1516711

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

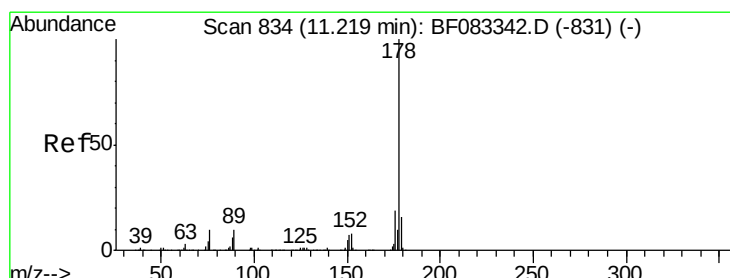
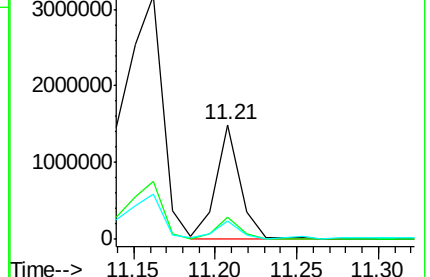
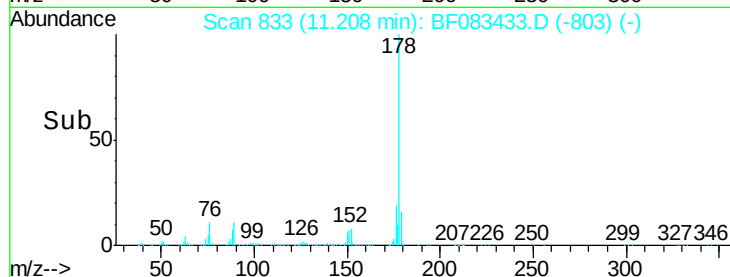
179 16.5 12.4 18.6



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: 46.15 ng

RT: 11.21 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

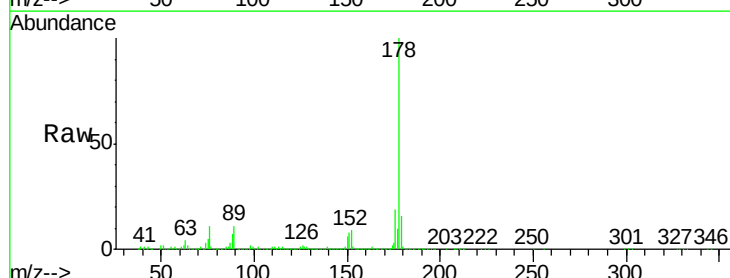
Tgt Ion:178 Resp: 1516711

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

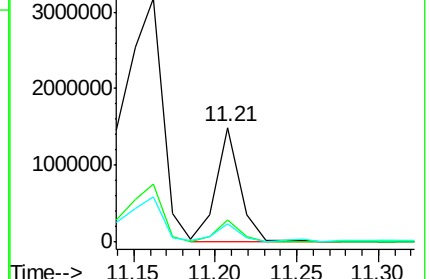
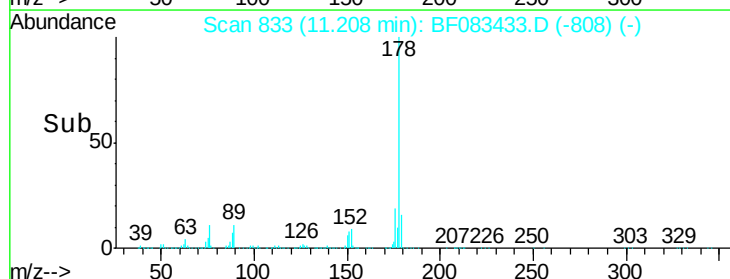
179 16.5 12.8 19.2

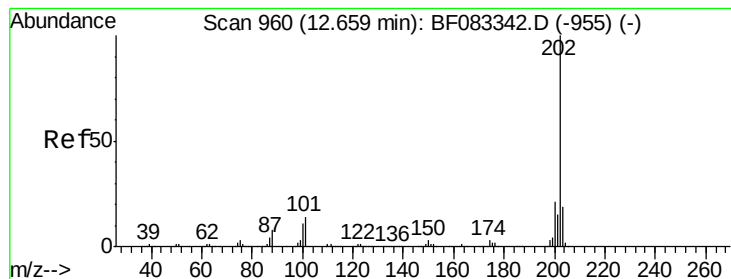


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 72.63 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

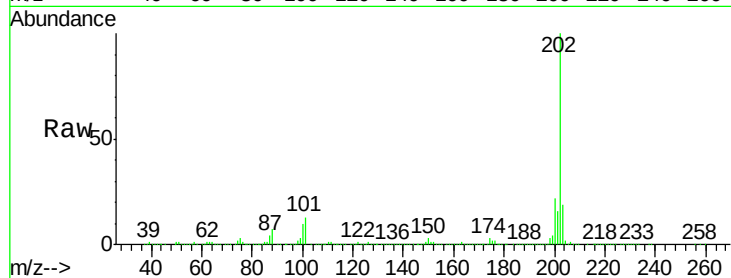
Tgt Ion:202 Resp: 2457613

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.5

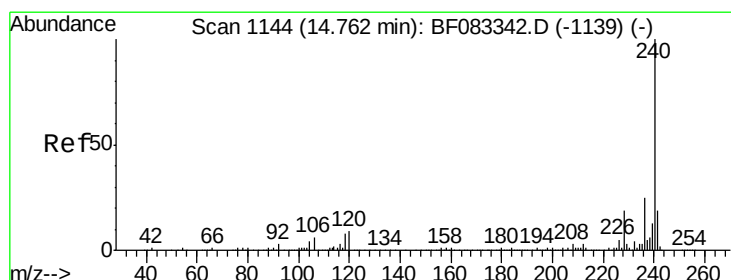
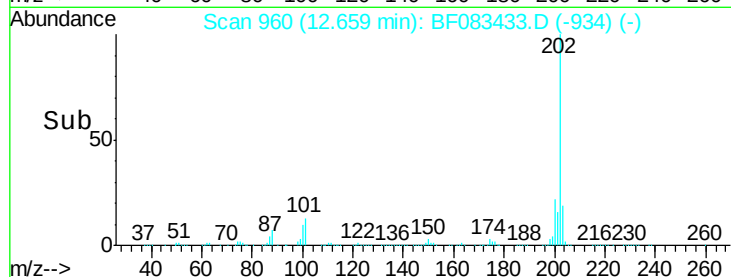
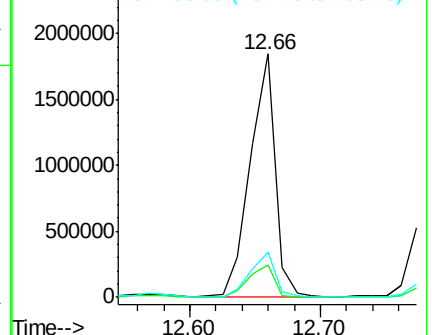
203 18.6 0.0 38.7



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: 14.73 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

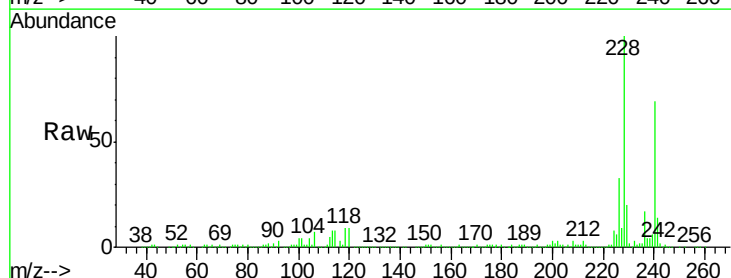
Tgt Ion:240 Resp: 392187

Ion Ratio Lower Upper

240 100

120 13.5 6.9 10.3#

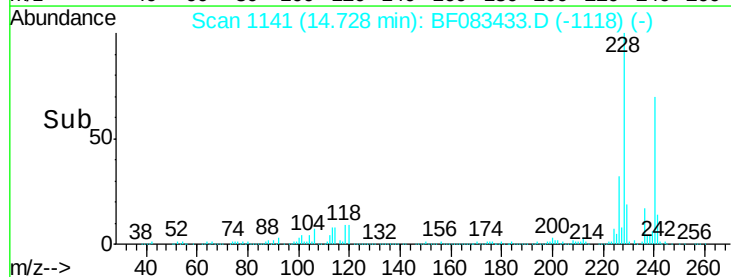
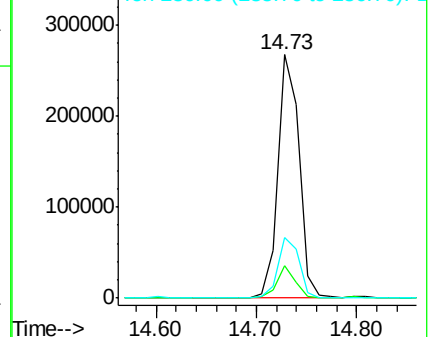
236 25.0 19.8 29.6

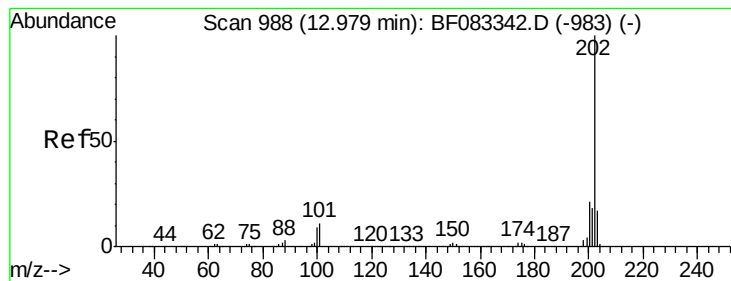


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 123.28 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

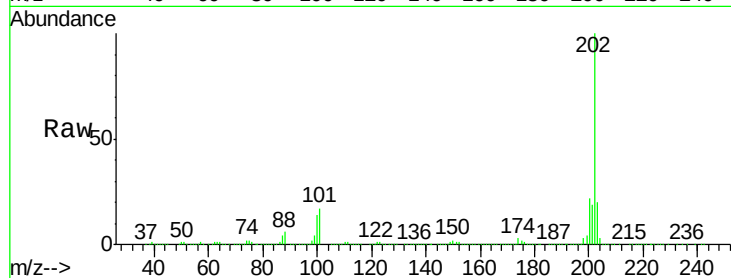
Tgt Ion:202 Resp: 3376632

Ion Ratio Lower Upper

202 100

200 22.3 16.9 25.3

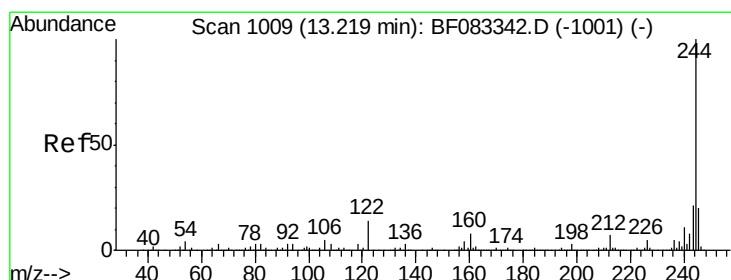
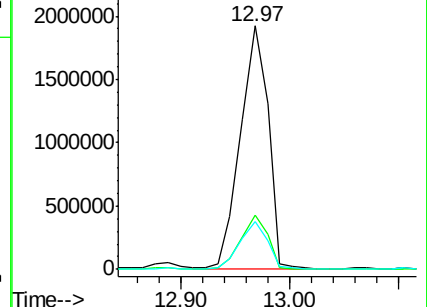
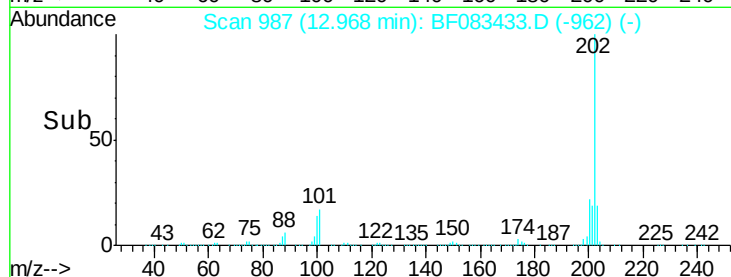
203 19.7 13.9 20.9



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: 94.83 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

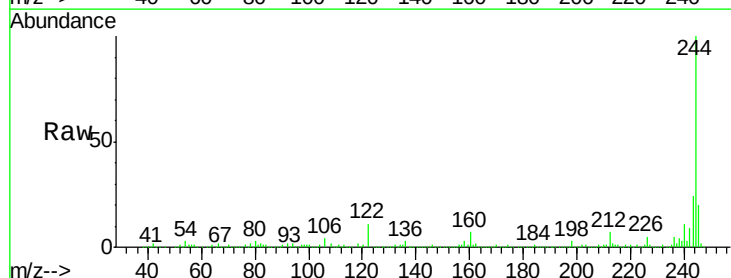
Tgt Ion:244 Resp: 1559487

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

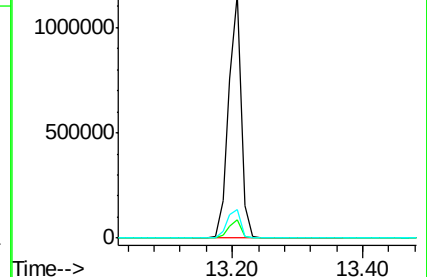
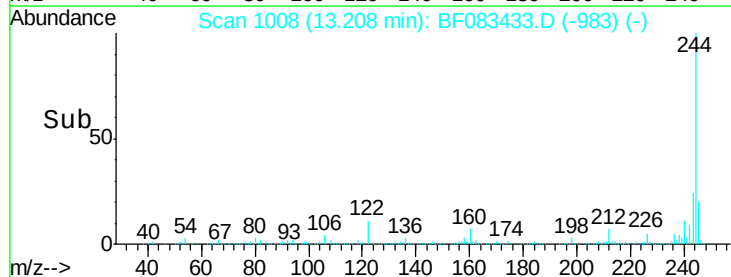
122 11.5 11.0 16.4

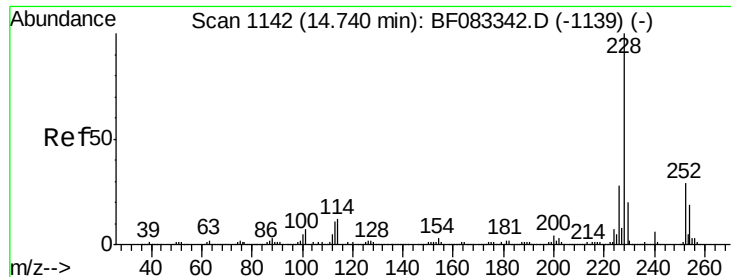


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 30.86 ng

RT: 14.77 min Scan# 1145

Delta R.T. 0.03 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

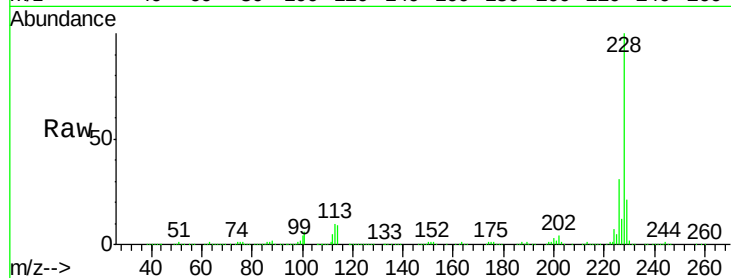
Tgt Ion:228 Resp: 741589

Ion Ratio Lower Upper

228 100

226 30.6 22.2 33.4

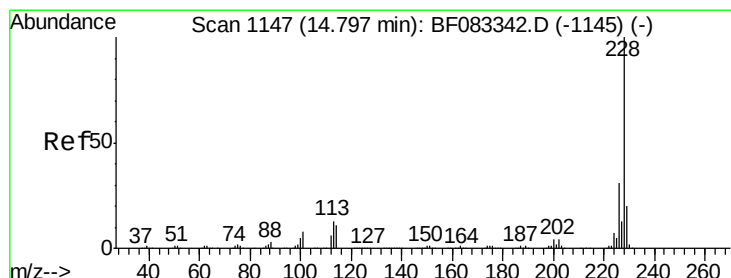
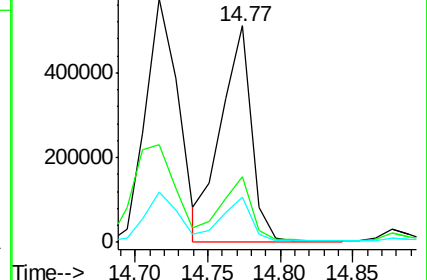
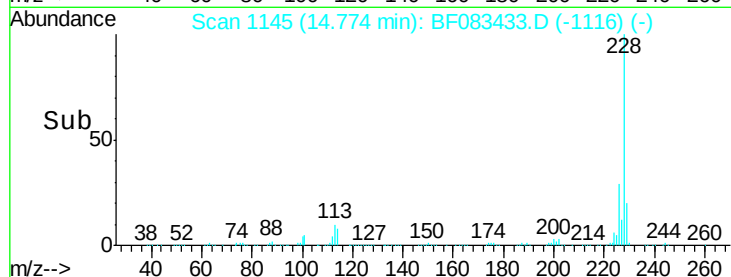
229 20.7 16.1 24.1



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: 32.09 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

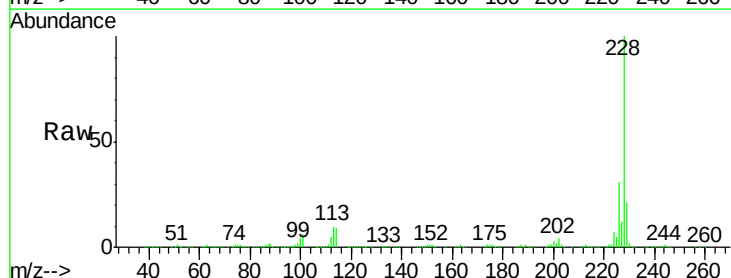
Tgt Ion:228 Resp: 744934

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

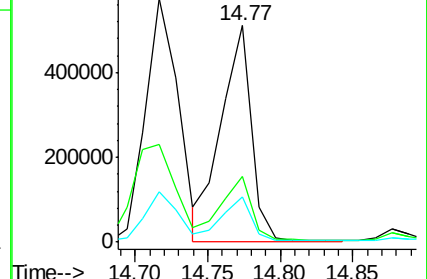
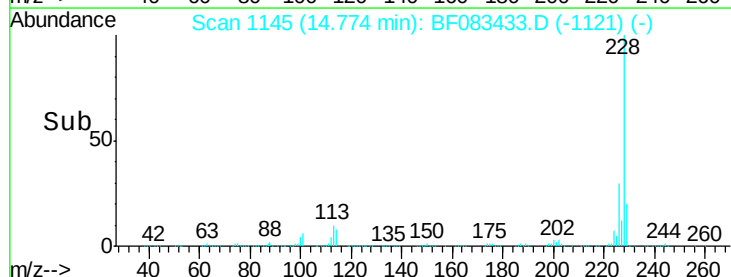
229 20.7 16.2 24.2

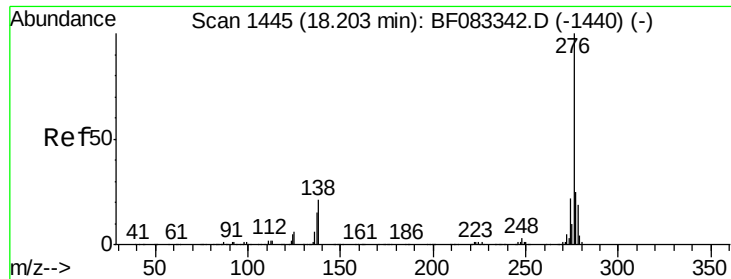


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.82 ng

RT: 18.17 min Scan# 1442

Delta R.T. -0.03 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

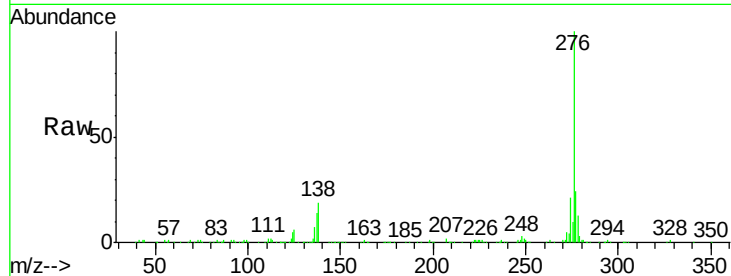
Tgt Ion:276 Resp: 284313

Ion Ratio Lower Upper

276 100

138 22.1 21.2 31.8

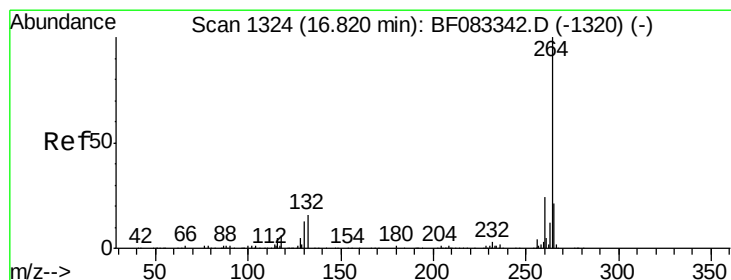
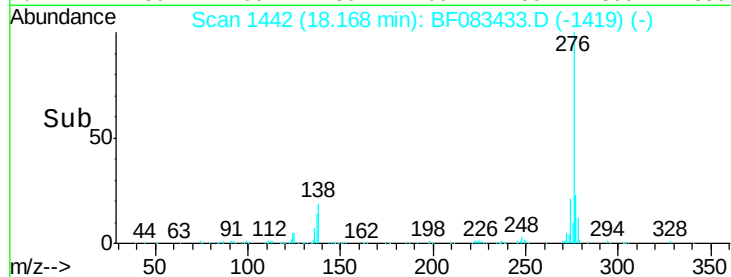
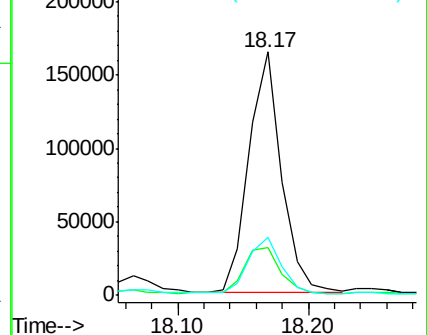
277 24.6 20.0 30.0



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: 16.80 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

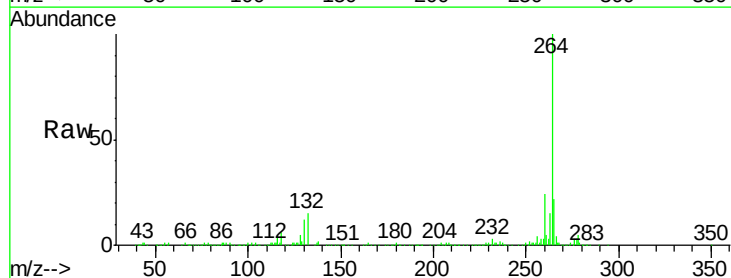
Tgt Ion:264 Resp: 360878

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

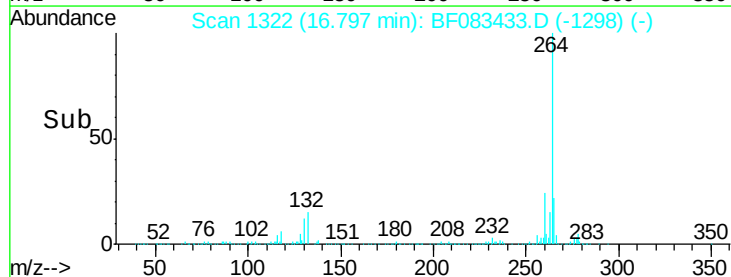
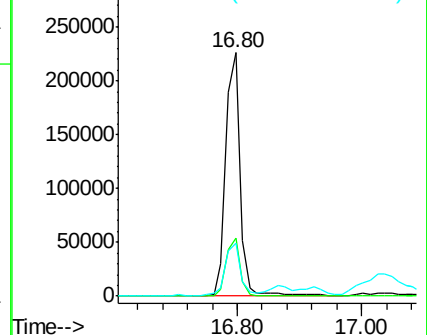
265 21.7 16.8 25.2

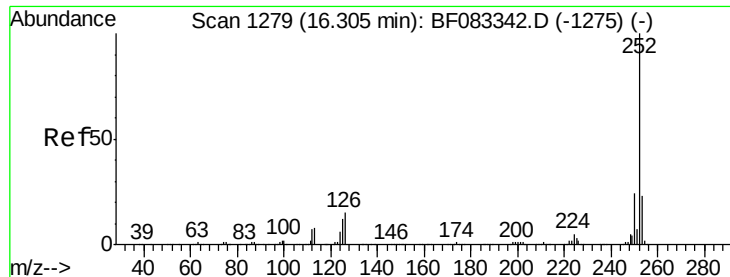


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 33.07 ng

RT: 16.28 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

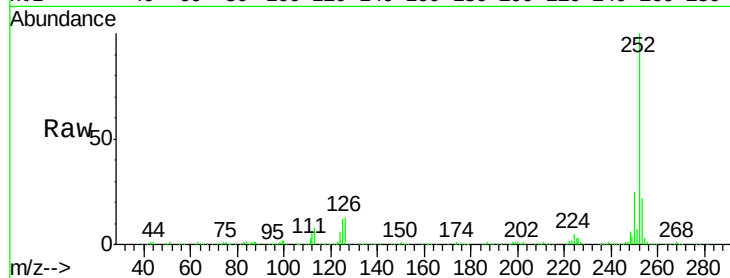
Tgt Ion:252 Resp: 765663

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

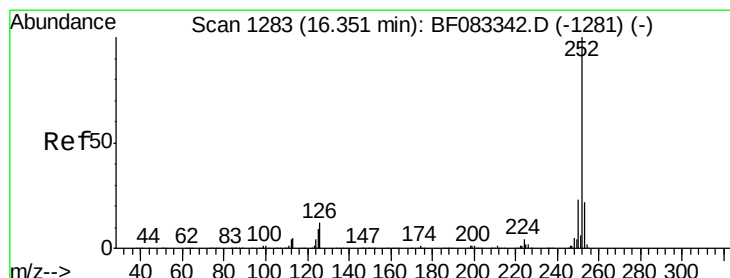
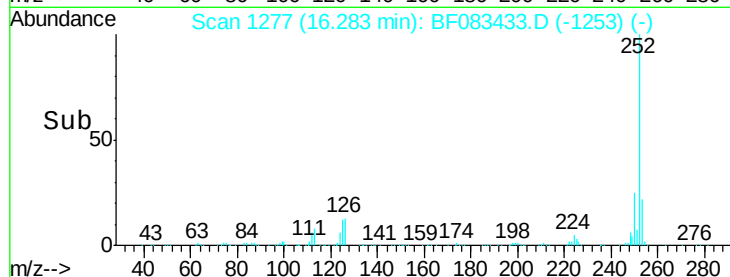
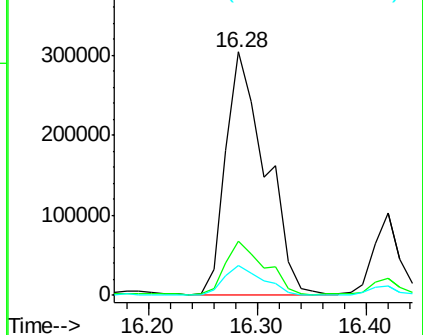
125 12.2 9.6 14.4



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: 7.76 ng

RT: 16.42 min Scan# 1289

Delta R.T. 0.07 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

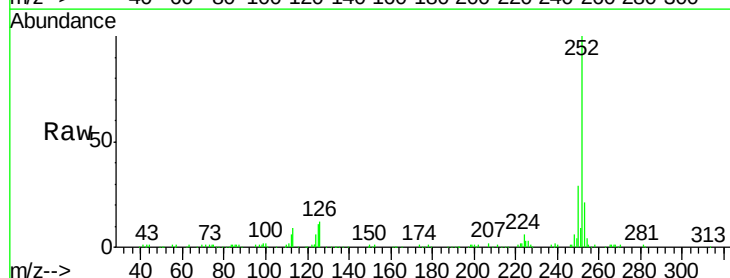
Tgt Ion:252 Resp: 169580

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

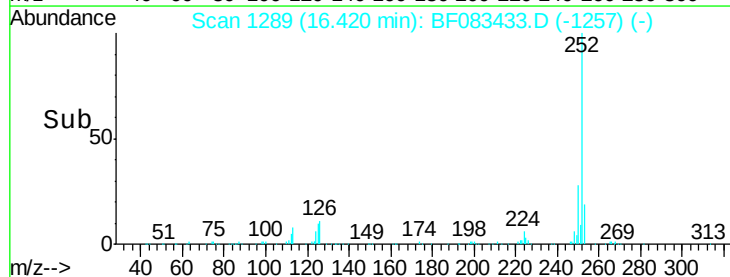
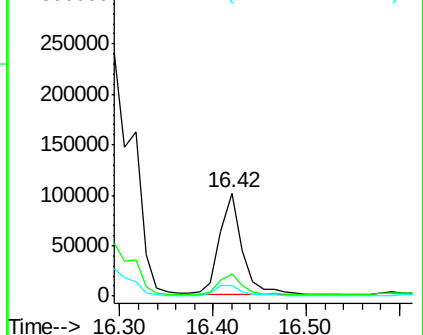
125 10.8 7.5 11.3

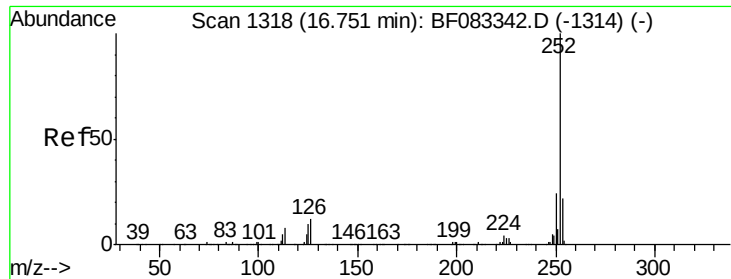


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 36.04 ng

RT: 16.72 min Scan# 1315

Delta R.T. -0.03 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)

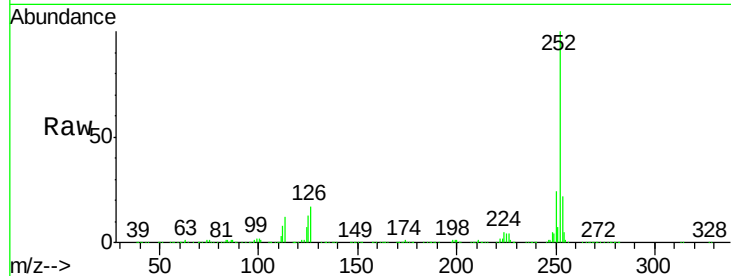
Tgt Ion:252 Resp: 716767

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

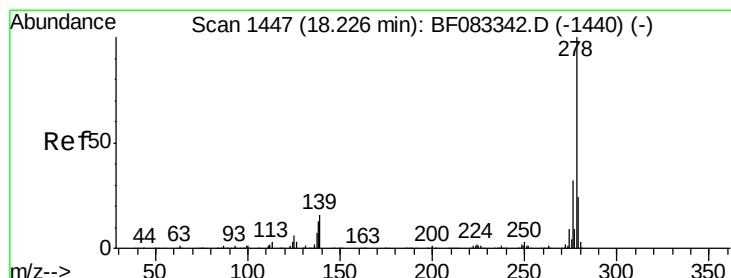
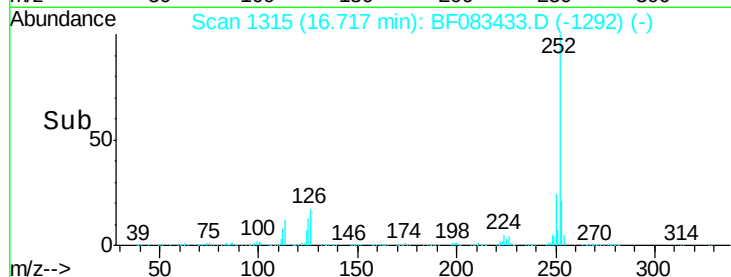
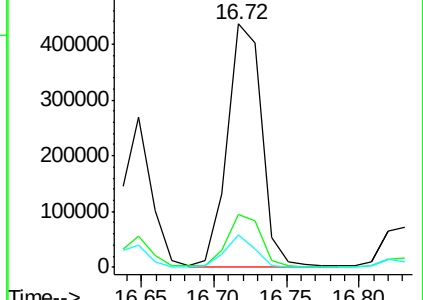
125 13.2 7.8 11.8#



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



#90

Dibenzo(a,h)anthracene

Concen: 3.65 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.05 min

Lab File: BF083433.D

Acq: 2 Dec 2015 22:50

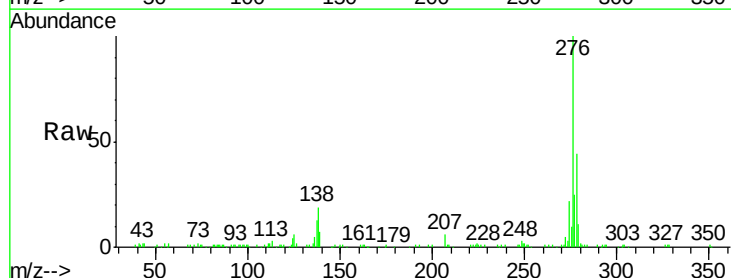
Tgt Ion:278 Resp: 63178

Ion Ratio Lower Upper

278 100

139 16.8 13.1 19.7

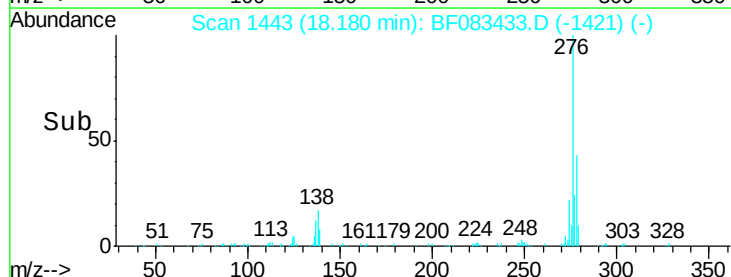
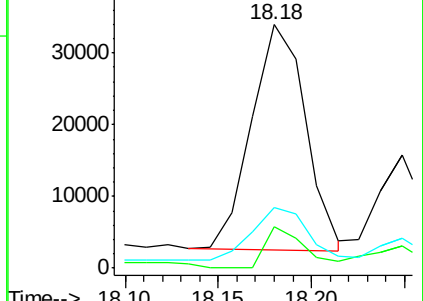
279 24.9 19.2 28.8

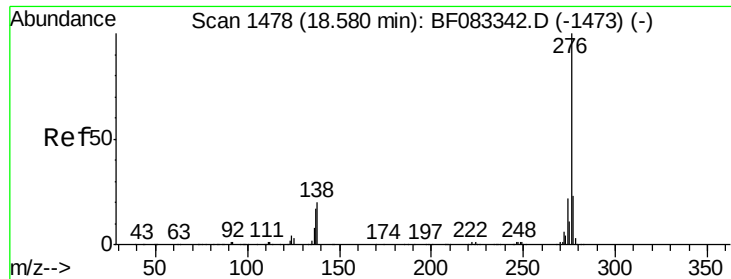


Abundance Ion 278.00 (277.70 to 278.70): E

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: 18.95 ng

RT: 18.53 min Scan# 1474

Delta R.T. -0.05 min

Lab File: BF083433.D

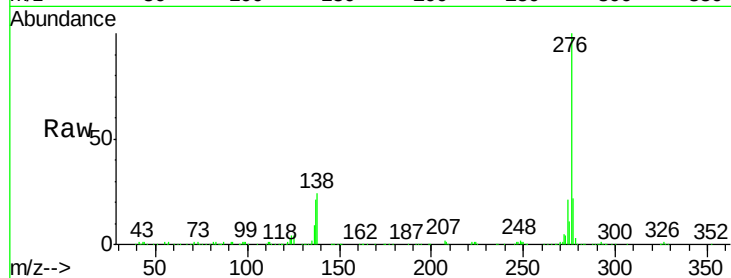
Acq: 2 Dec 2015 22:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(8-15)



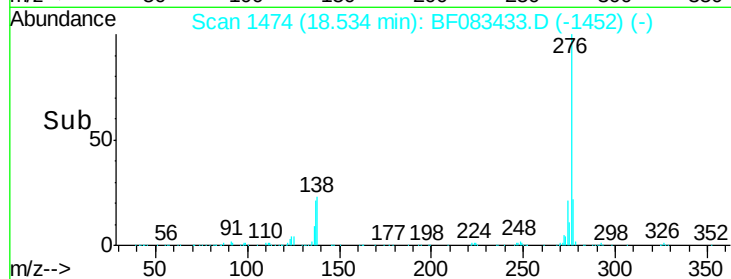
Tgt Ion: 276 Resp: 322391

Ion Ratio Lower Upper

276 100

277 22.3 18.6 28.0

138 23.7 16.1 24.1



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

