

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083432.D
 Acq On : 2 Dec 2015 22:20
 Operator : UM/IZ
 Sample : G4582-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)

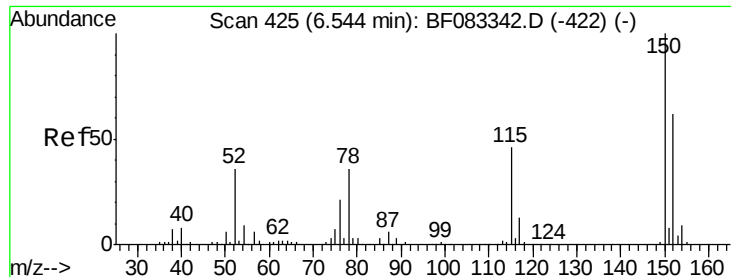
Quant Time: Dec 03 02:53:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	612457	20.00	ng	0.15
21) Naphthalene-d8	7.85	136	483555	20.00	ng	0.01
38) Acenaphthene-d10	9.57	164	298421	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	524461	20.00	ng	-0.01
75) Chrysene-d12	14.74	240	366075	20.00	ng	-0.02
86) Perylene-d12	16.80	264	343193	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	1268284	31.07	ng	0.00
7) Phenol-d6	6.21	99	1824519	32.66	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1266906	115.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	292497	97.64	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1655218	79.04	ng	-0.01
78) Terphenyl-d14	13.21	244	1490144	97.08	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.21	77	25283	Below Cal	#	1
18) Hexachloroethane	7.22	117	38691	2.15	ng	12
31) Naphthalene	7.89	128	15779192	601.42	ng	83
33) 4-Chloroaniline	7.89	127	3009461	266.09	ng	36
35) Caprolactam	8.28	113	15133	6.20	ng	1
37) 2-Methylnaphthalene	8.56	142	3697709	210.88	ng	94
45) 1,1'-Biphenyl	9.01	154	1115055	42.61	ng	99
48) Acenaphthylene	9.44	152	2263393	71.16	ng	98
49) Dimethylphthalate	9.31	163	377450	15.56	ng	99
50) 2,6-Dinitrotoluene	9.28	165	15966	3.08	ng	# 75
51) Acenaphthene	9.61	154	930915	49.75	ng	99
54) Dibenzofuran	9.78	168	269798	9.84	ng	# 92
55) 4-Nitrophenol	9.69	139	9511	2.50	ng	# 41
56) 2,4-Dinitrotoluene	9.78	165	30272	4.61	ng	# 17
57) Fluorene	10.12	166	1663249	76.82	ng	98
61) 4-Nitroaniline	10.12	138	18003	2.96	ng	# 29
65) n-Nitrosodiphenylamine	10.24	169	59264	3.22	ng	# 69
66) 4-Bromophenyl-phenylether	10.36	248	19141	3.34	ng	# 1
70) Phenanthrene	11.22	178	1966994	63.38	ng	99
71) Anthracene	11.22	178	1966994	62.95	ng	100
74) Fluoranthene	12.66	202	3003129	93.34	ng	99
77) Pyrene	12.98	202	4133370	161.68	ng	95
80) Benzo(a)anthracene	14.77	228	924695	41.23	ng	95
82) Chrysene	14.77	228	924695	42.67	ng	99
85) Indeno(1,2,3-cd)pyrene	18.17	276	432682	27.42	ng	96
87) Benzo(b)fluoranthene	16.29	252	1080633	49.07	ng	100
88) Benzo(k)fluoranthene	16.29	252	1080633	51.97	ng	# 96
89) Benzo(a)pyrene	16.73	252	972286	51.41	ng	98
90) Dibenzo(a,h)anthracene	18.19	278	107985	6.55	ng	95
91) Benzo(g,h,i)perylene	18.55	276	482889	29.85	ng	97

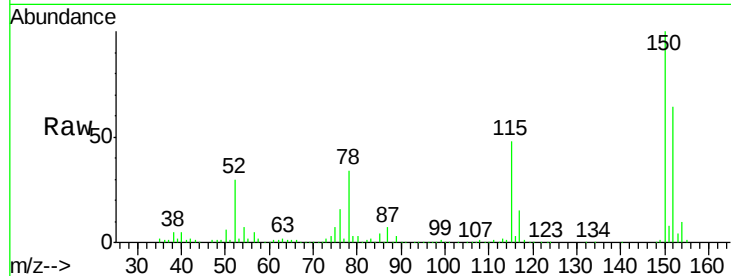
(#) = qualifier out of range (m) = manual integration (+) = signals summed



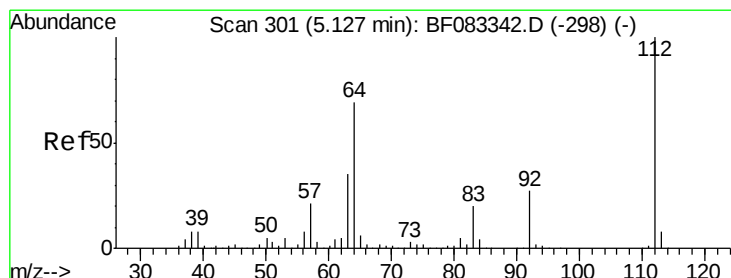
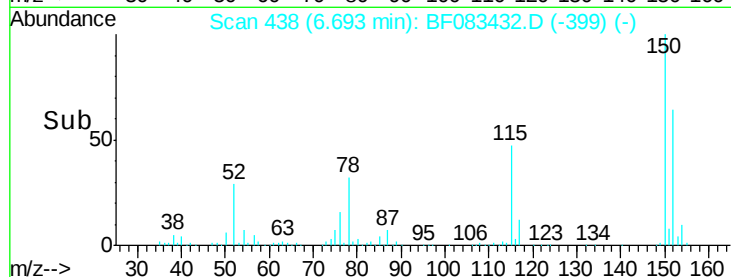
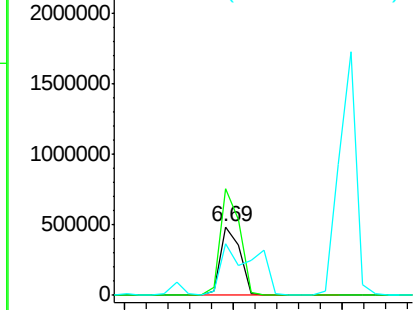
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.69 min Scan# 438
 Delta R.T. 0.15 min
 Lab File: BF083432.D
 Acq: 2 Dec 2015 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)

Tgt Ion:152 Resp: 612457
 Ion Ratio Lower Upper
 152 100
 150 155.9 129.8 194.8
 115 74.7 59.2 88.8

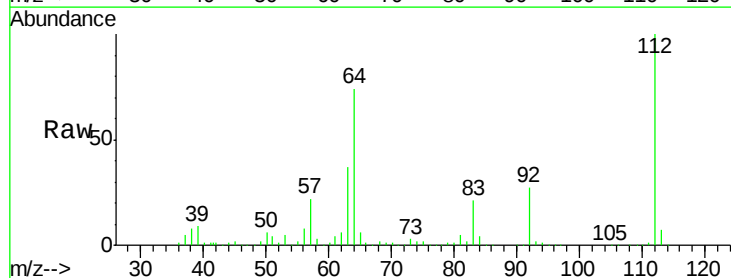


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

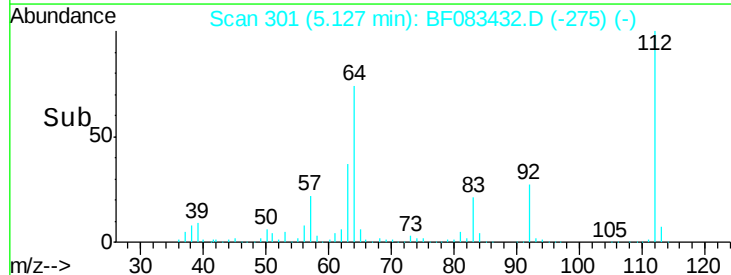
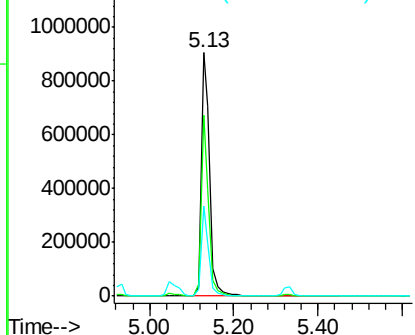


#5
 2-Fluorophenol
 Concen: 31.07 ng
 RT: 5.13 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BF083432.D
 Acq: 2 Dec 2015 22:20

Tgt Ion:112 Resp: 1268284
 Ion Ratio Lower Upper
 112 100
 64 74.1 55.6 83.4
 63 37.0 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: 32.66 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

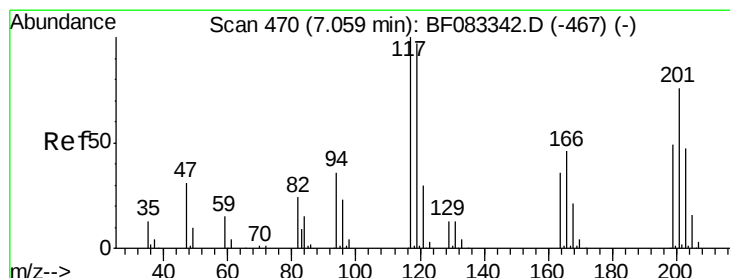
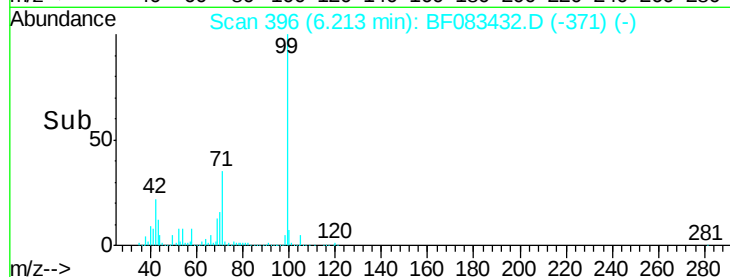
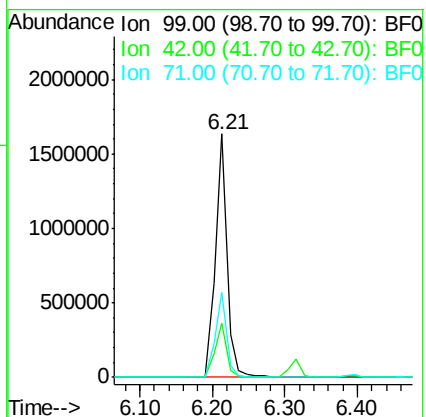
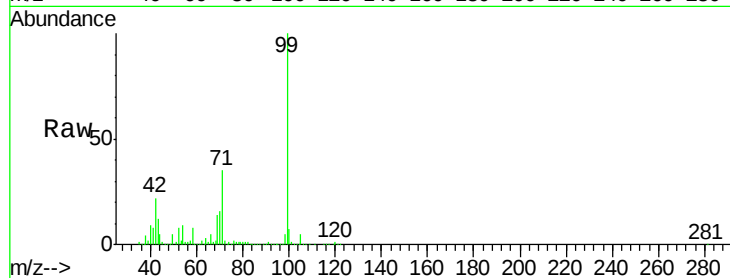
Tgt Ion: 99 Resp: 1824519

Ion Ratio Lower Upper

99 100

42 22.5 14.9 22.3#

71 35.1 24.7 37.1



#18

Hexachloroethane

Concen: 2.15 ng

RT: 7.22 min Scan# 484

Delta R.T. 0.16 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

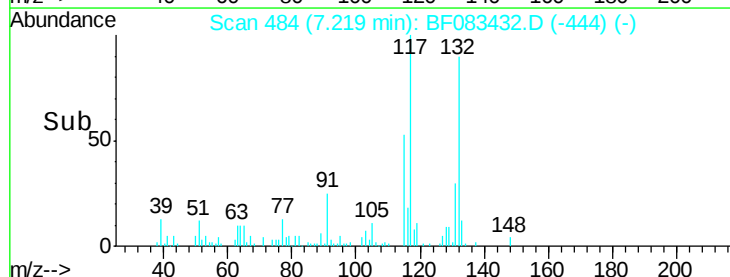
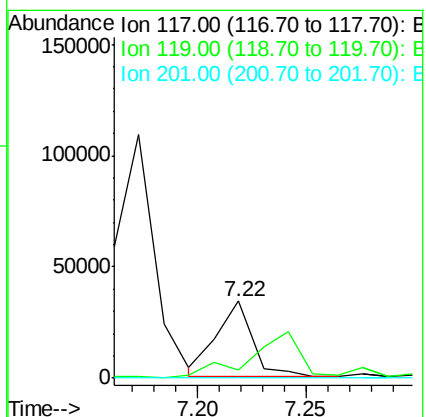
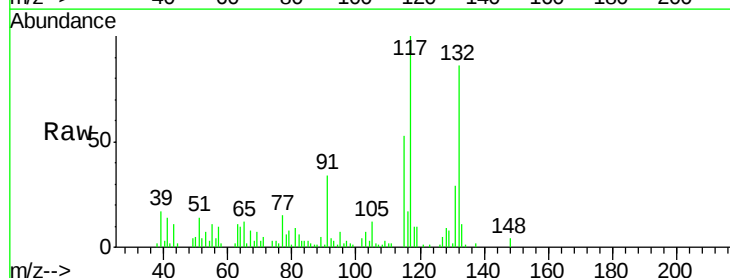
Tgt Ion: 117 Resp: 38691

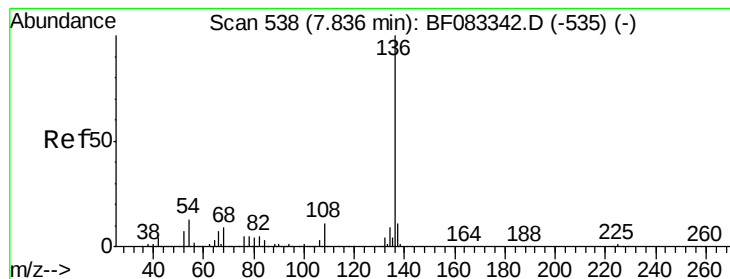
Ion Ratio Lower Upper

117 100

119 10.4 77.3 115.9#

201 0.0 60.6 90.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 539

Delta R.T. 0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

Tgt Ion: 136 Resp: 483555

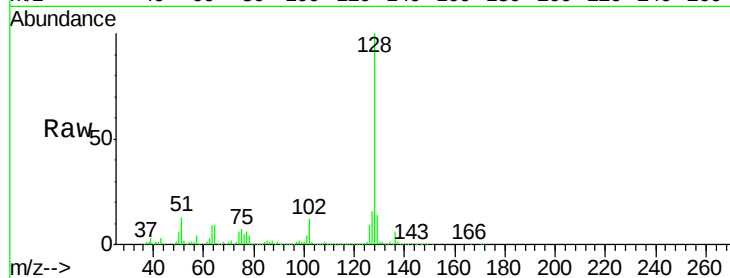
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 11.8 10.1 15.1

68 8.9 7.1 10.7

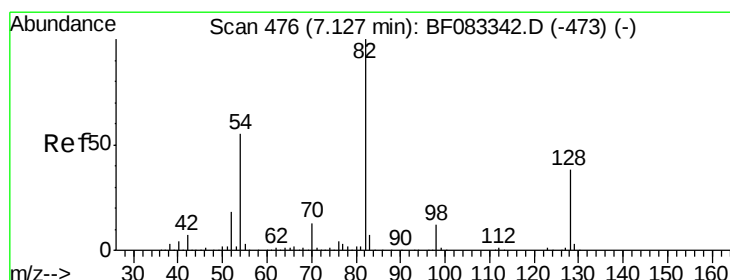
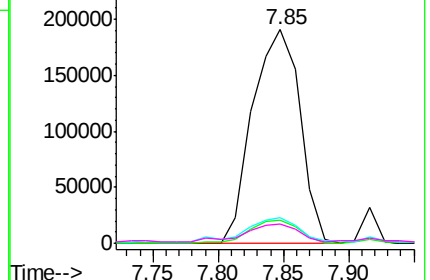
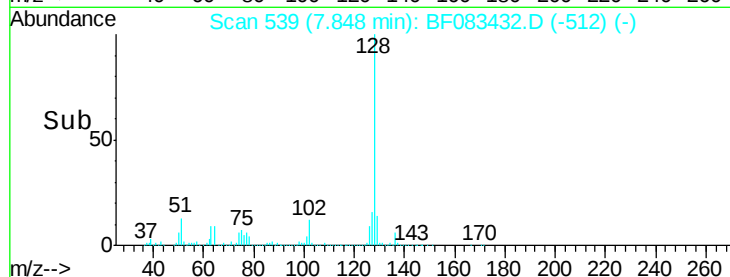


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 115.17 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

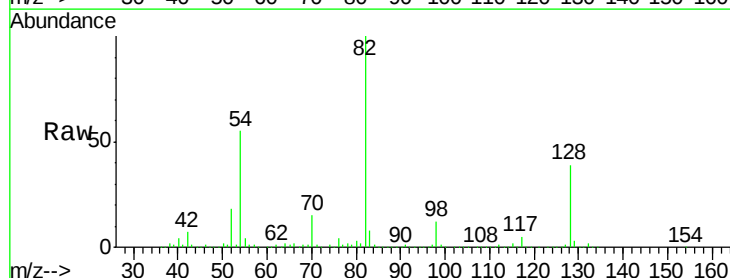
Tgt Ion: 82 Resp: 1266906

Ion Ratio Lower Upper

82 100

128 39.4 30.6 46.0

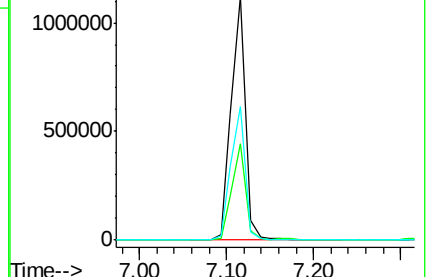
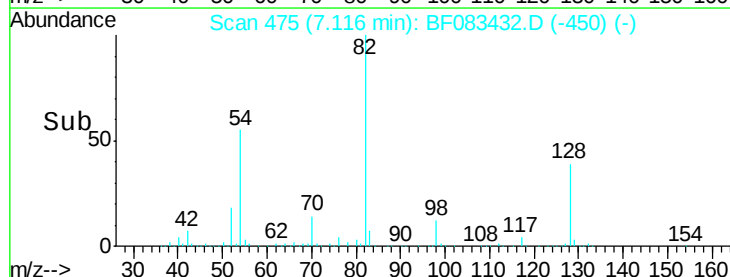
54 54.6 43.8 65.6

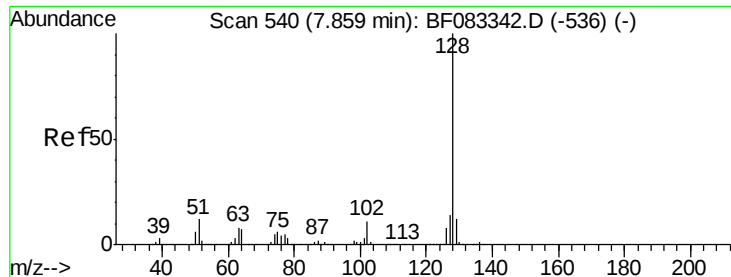


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

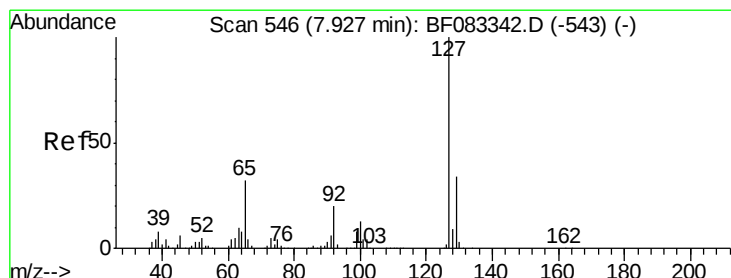
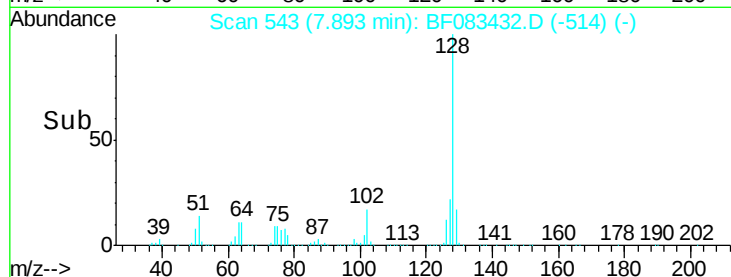
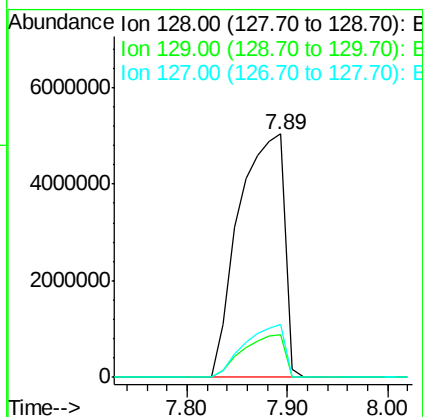
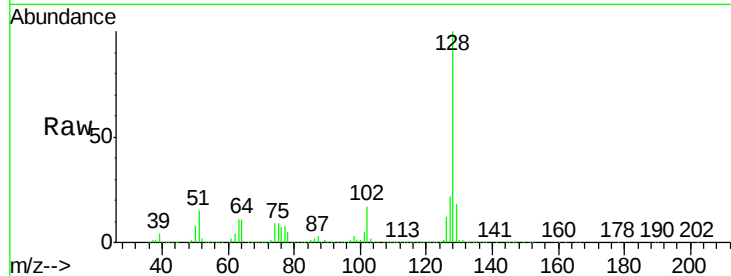




#31
Naphthalene
Concen: 601.42 ng
RT: 7.89 min Scan# 543
Delta R.T. 0.03 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

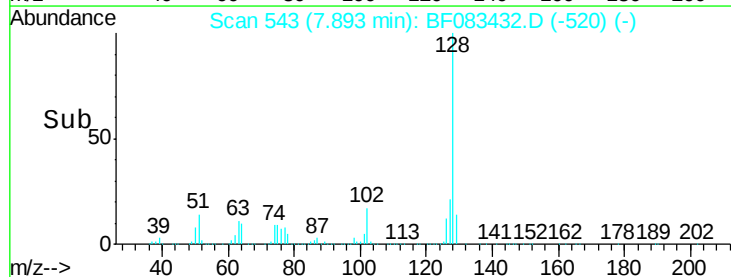
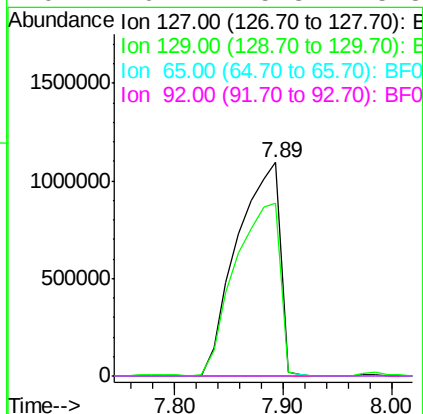
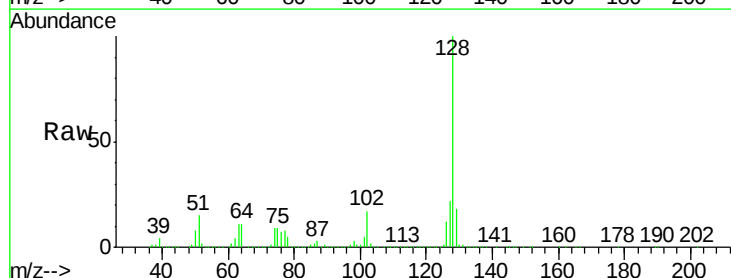
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

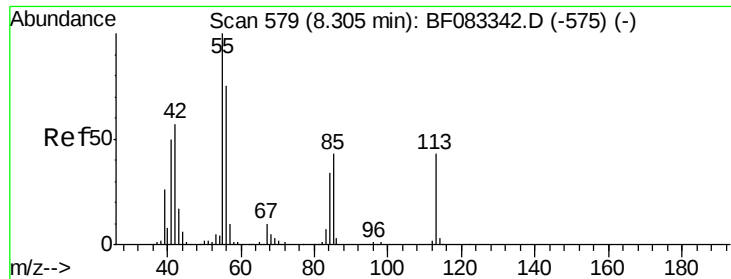
Tgt Ion:128 Resp:15779192
Ion Ratio Lower Upper
128 100
129 17.6 9.7 14.5#
127 21.7 11.0 16.4#



#33
4-Chloroaniline
Concen: 266.09 ng
RT: 7.89 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Tgt Ion:127 Resp: 3009461
Ion Ratio Lower Upper
127 100
129 81.2 27.0 40.4#
65 0.0 25.9 38.9#
92 0.1 15.8 23.8#





#35

Caprolactam

Concen: 6.20 ng

RT: 8.28 min Scan# 577

Delta R.T. -0.02 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

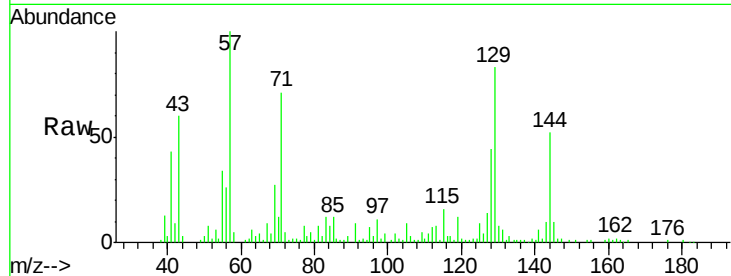
Tgt Ion:113 Resp: 15133

Ion Ratio Lower Upper

113 100

55 411.1 211.6 251.6#

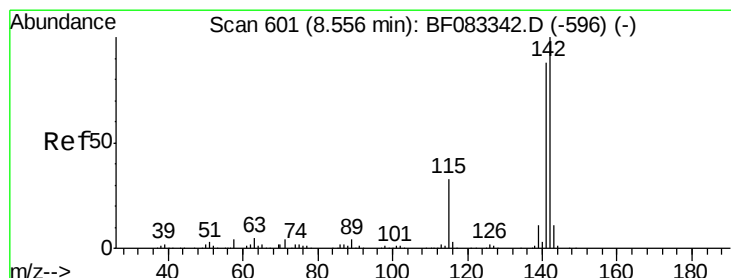
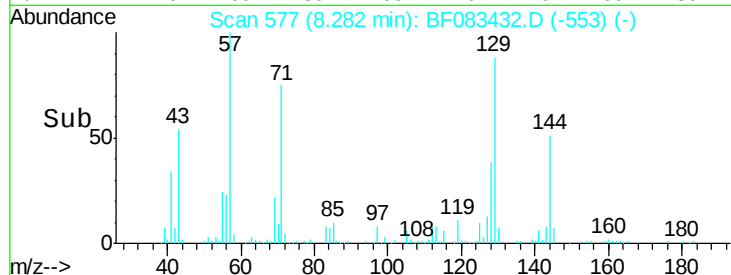
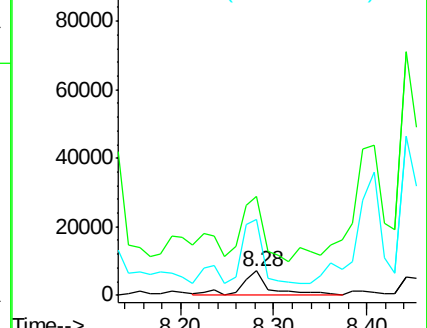
56 315.9 153.0 193.0#



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: 210.88 ng

RT: 8.56 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

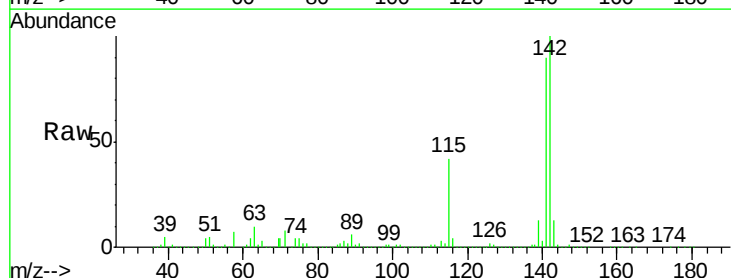
Tgt Ion:142 Resp: 3697709

Ion Ratio Lower Upper

142 100

141 90.0 70.6 105.8

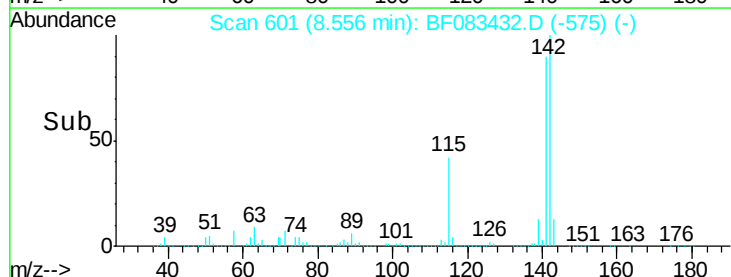
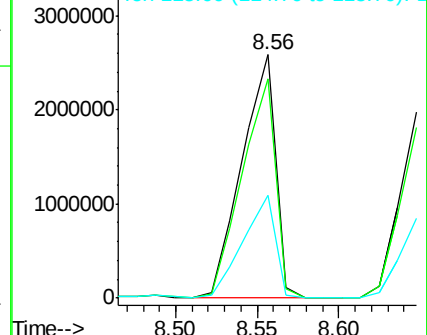
115 42.3 26.2 39.2#

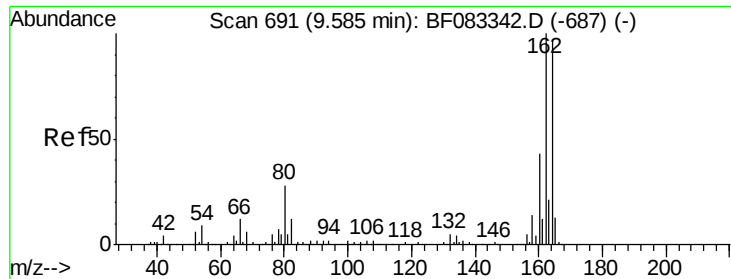


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

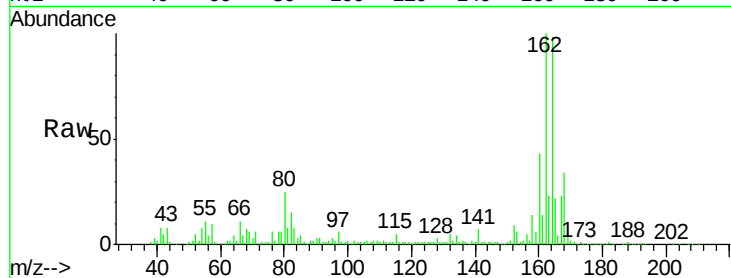




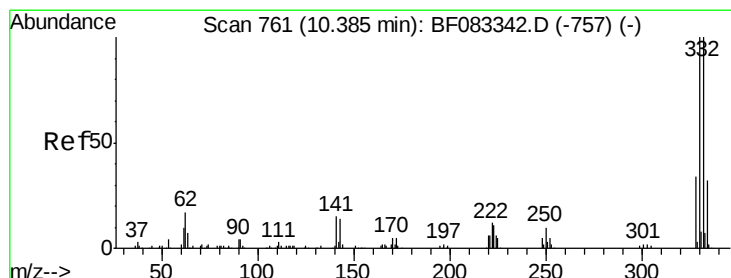
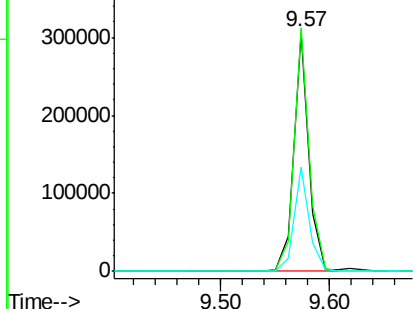
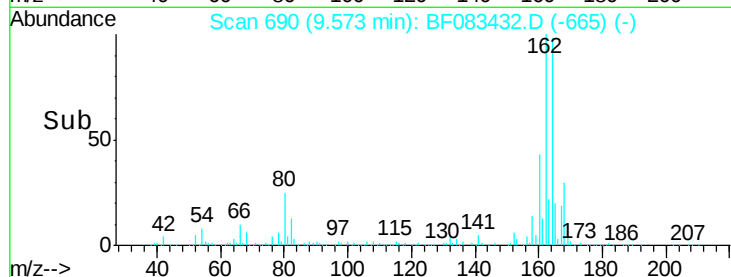
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

Tgt Ion:164 Resp: 298421
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 43.4 35.3 52.9

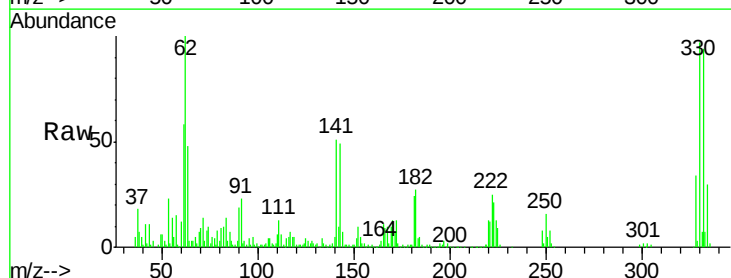


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

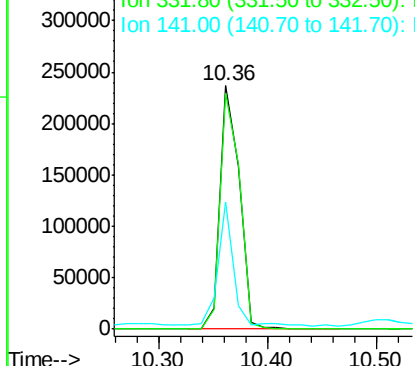
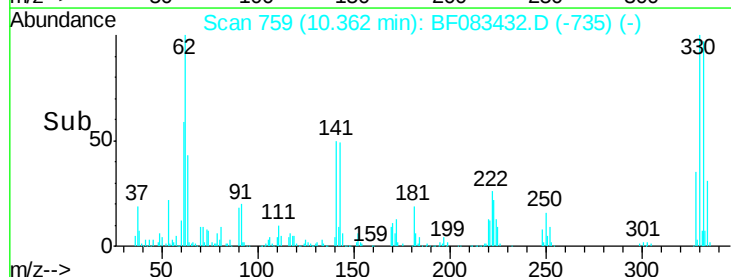


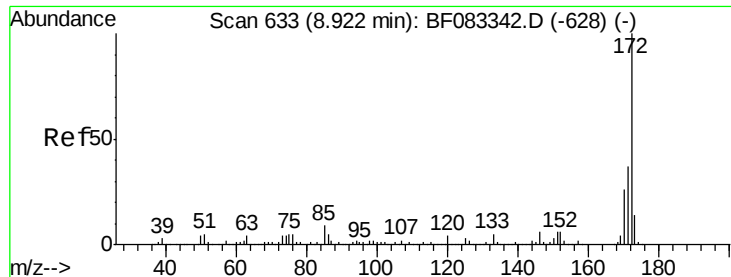
#41
2,4,6-Tribromophenol
Concen: 97.64 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Tgt Ion:330 Resp: 292497
Ion Ratio Lower Upper
330 100
332 98.6 77.8 116.6
141 42.1 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: 79.04 ng

RT: 8.91 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

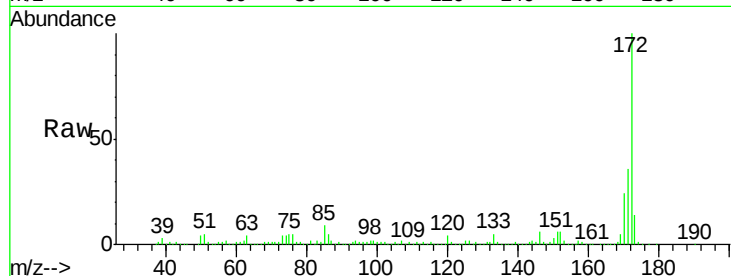
Tgt Ion:172 Resp: 1655218

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

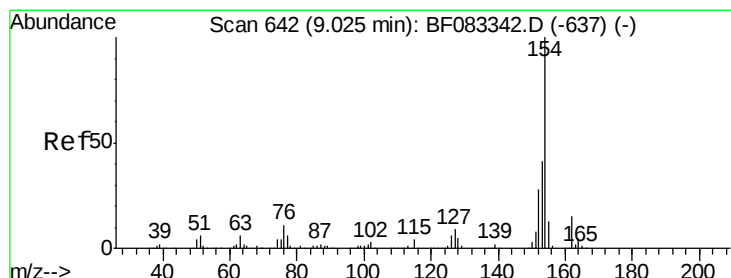
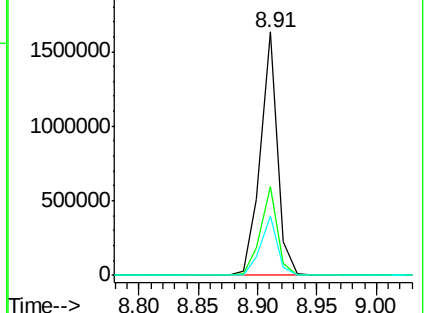
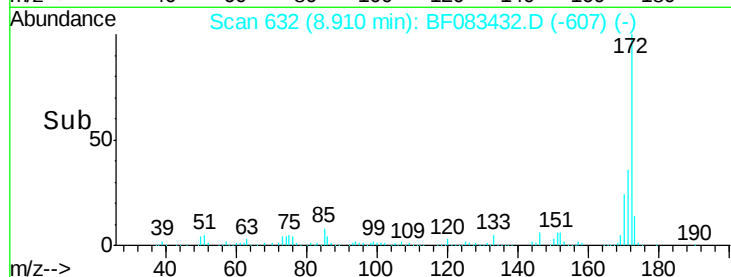
170 24.4 20.4 30.6



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: 42.61 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

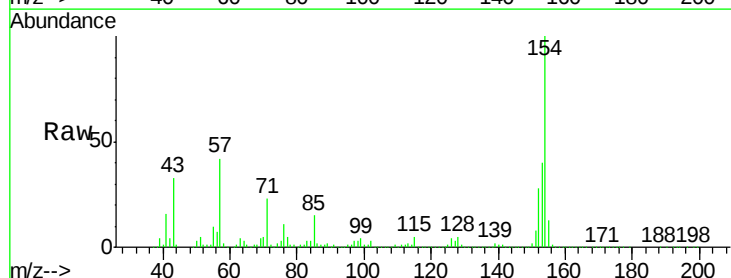
Tgt Ion:154 Resp: 1115055

Ion Ratio Lower Upper

154 100

153 39.9 20.6 60.6

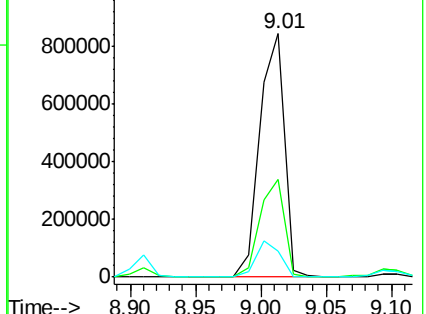
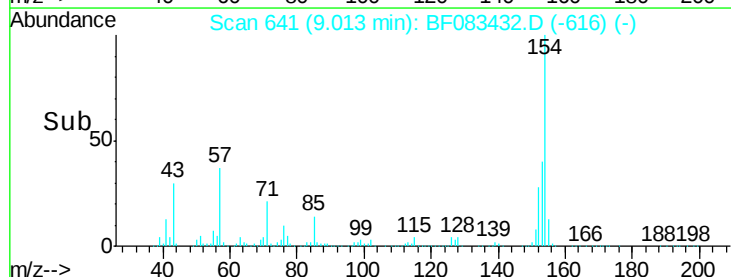
76 10.6 0.0 30.5

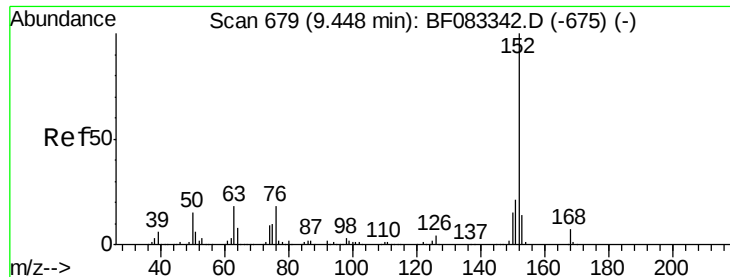


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 71.16 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

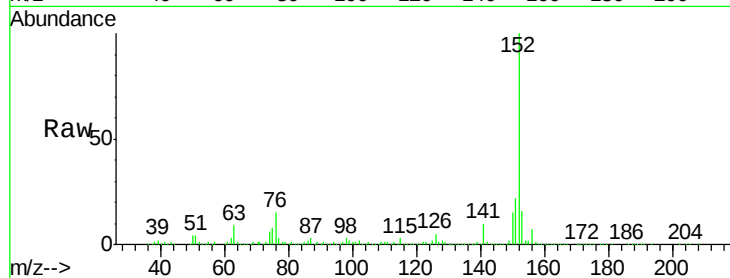
Tgt Ion:152 Resp: 2263393

Ion Ratio Lower Upper

152 100

151 21.6 16.7 25.1

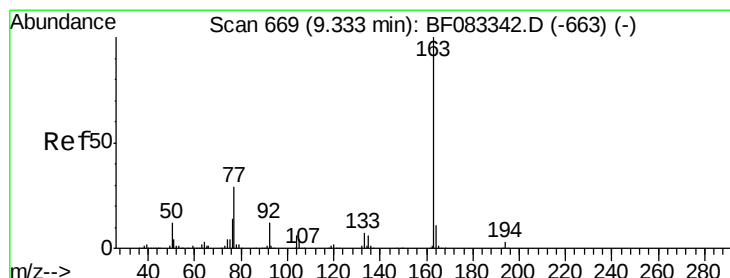
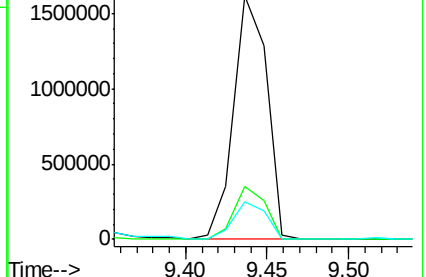
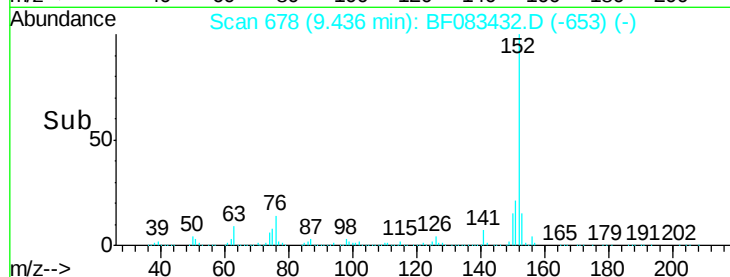
153 15.6 11.2 16.8



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: 15.56 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

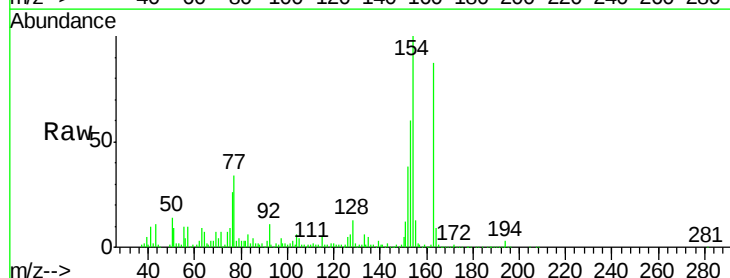
Tgt Ion:163 Resp: 377450

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

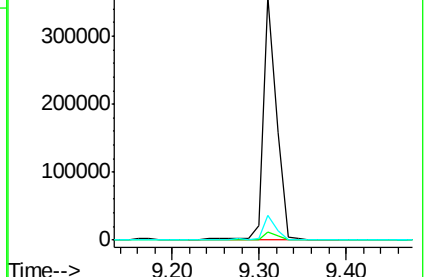
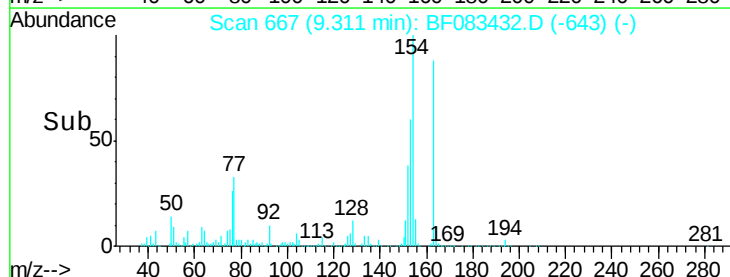
164 10.4 8.8 13.2

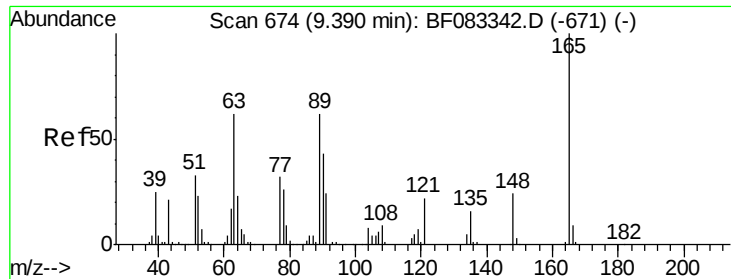


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

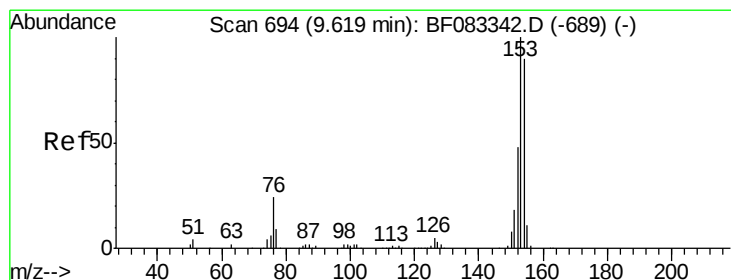
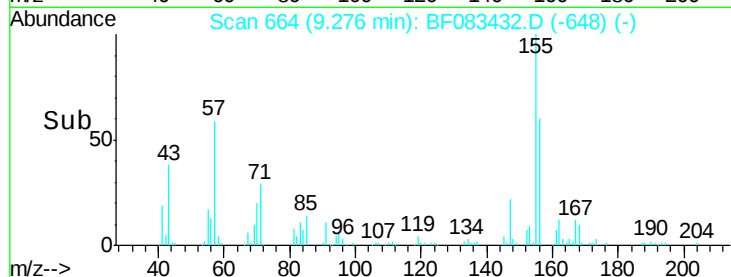
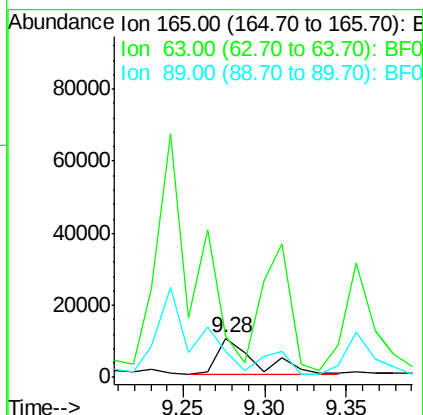
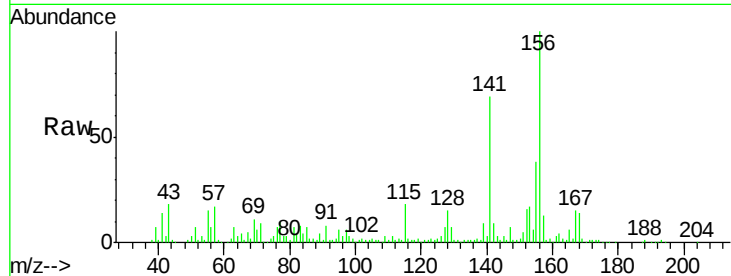




#50
2,6-Dinitrotoluene
Concen: 3.08 ng
RT: 9.28 min Scan# 664
Delta R.T. -0.11 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

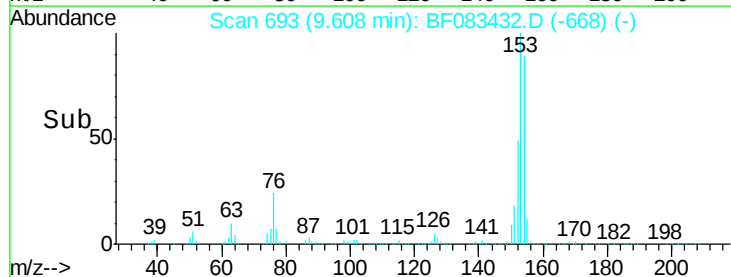
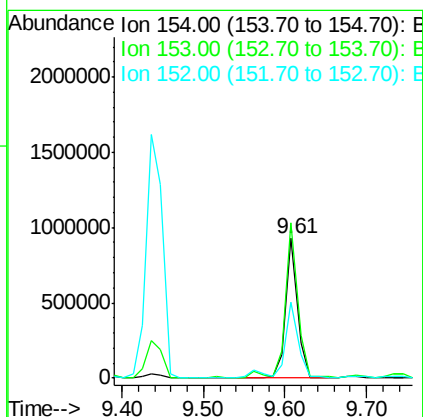
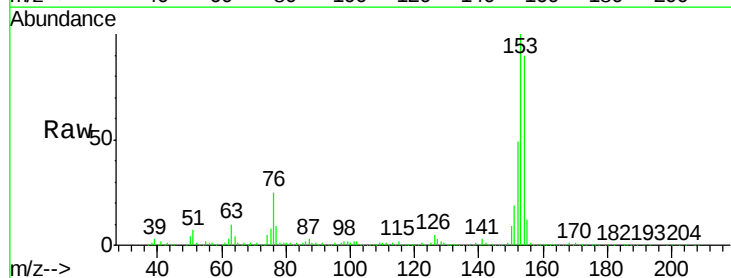
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

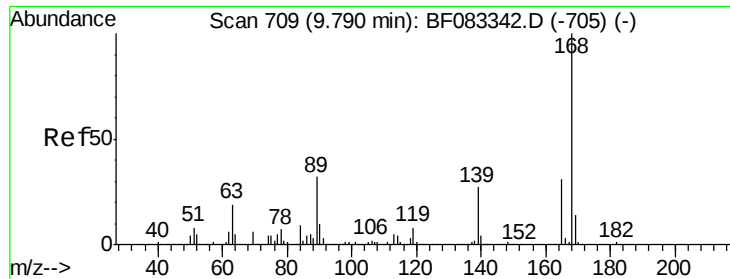
Tgt Ion:165 Resp: 15966
Ion Ratio Lower Upper
165 100
63 105.8 56.0 84.0#
89 65.7 49.8 74.8



#51
Acenaphthene
Concen: 49.75 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Tgt Ion:154 Resp: 930915
Ion Ratio Lower Upper
154 100
153 111.0 89.3 133.9
152 54.2 42.5 63.7





#54

Dibenzenofuran

Concen: 9.84 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

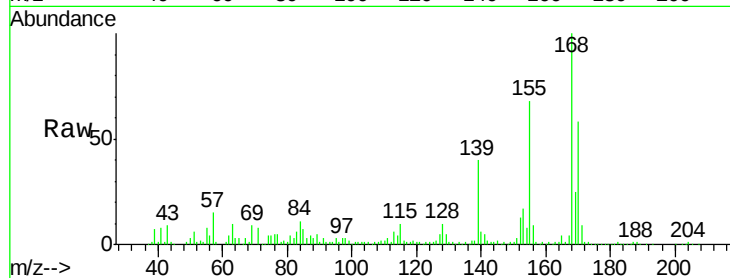
Tgt Ion:168 Resp: 269798

Ion Ratio Lower Upper

168 100

139 39.7 32.7 49.1

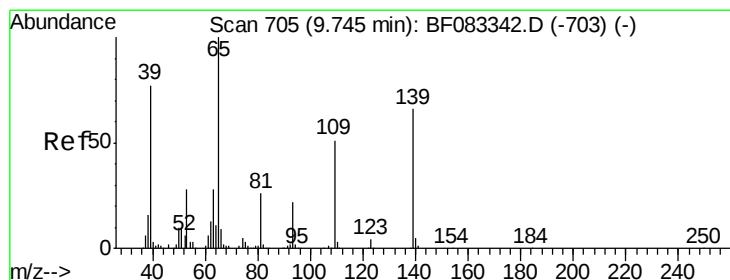
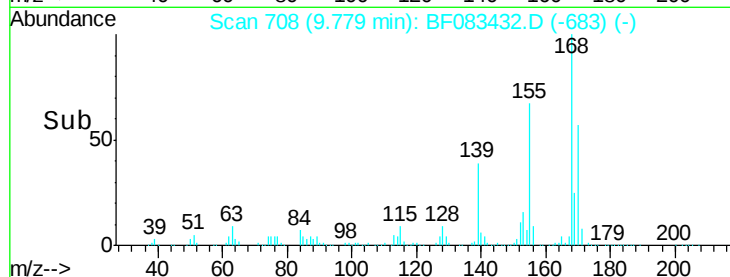
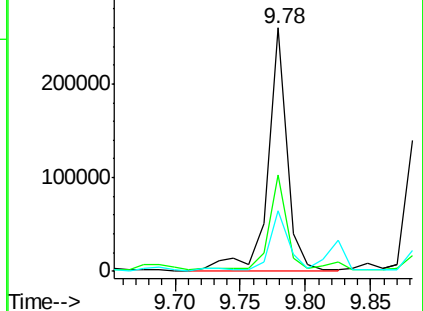
169 24.8 11.1 16.7#



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: 2.50 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

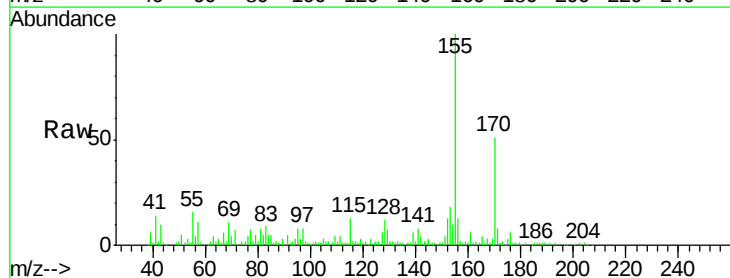
Tgt Ion:139 Resp: 9511

Ion Ratio Lower Upper

139 100

109 69.9 57.4 97.4

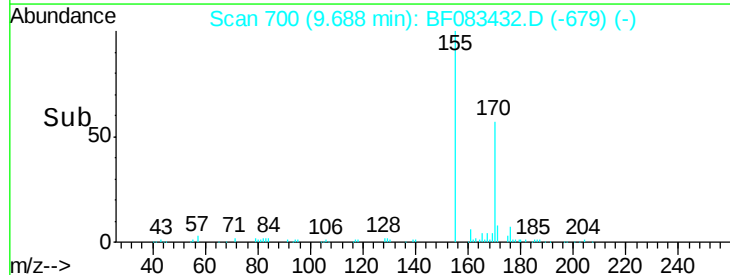
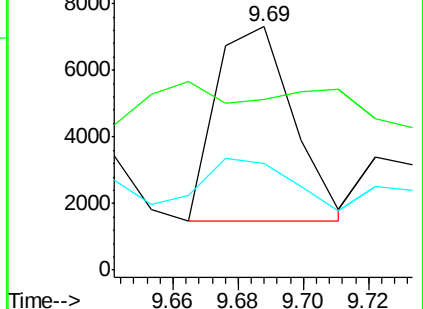
65 43.6 131.6 171.6#

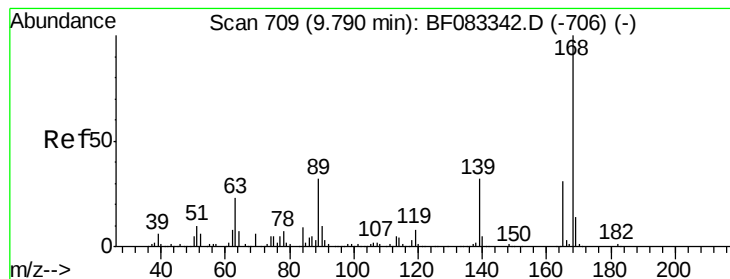


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 4.61 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

Tgt Ion:165 Resp: 30272

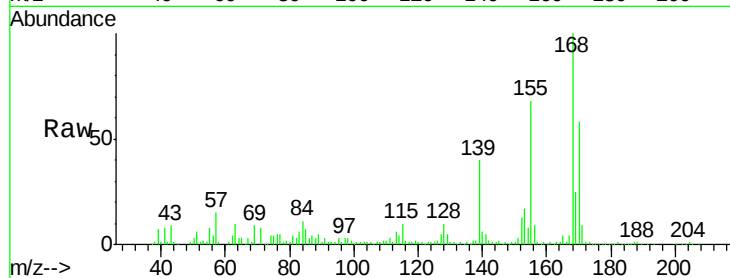
Ion Ratio Lower Upper

165 100

63 236.3 65.4 98.0#

89 112.5 81.2 121.8

182 13.0 1.8 2.8#

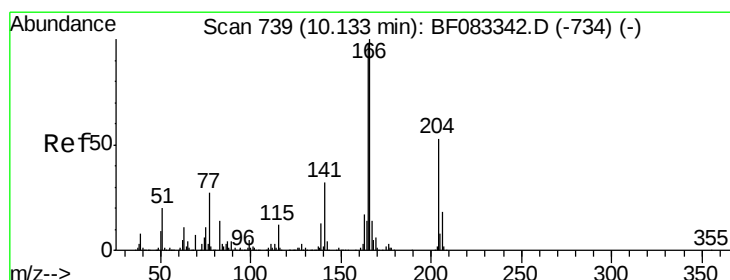
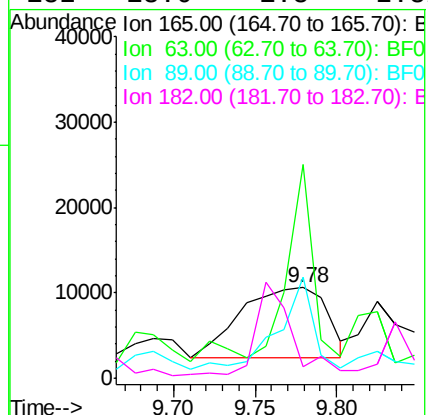
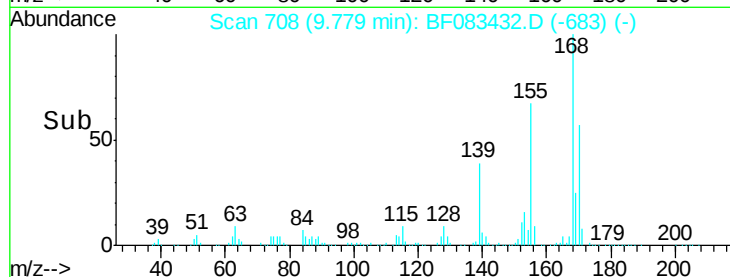


Abundance Ion 165.00 (164.70 to 165.70): E

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: 76.82 ng

RT: 10.12 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

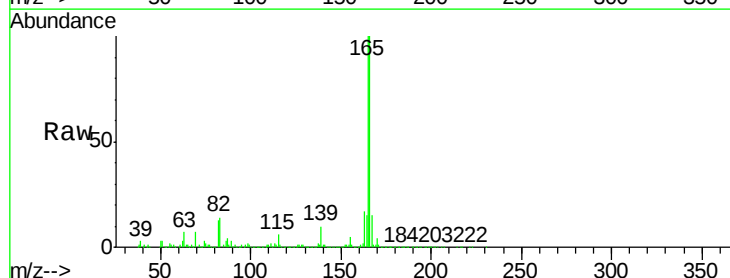
Tgt Ion:166 Resp: 1663249

Ion Ratio Lower Upper

166 100

165 99.6 78.3 117.5

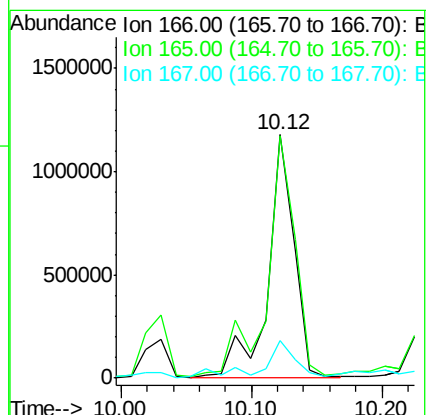
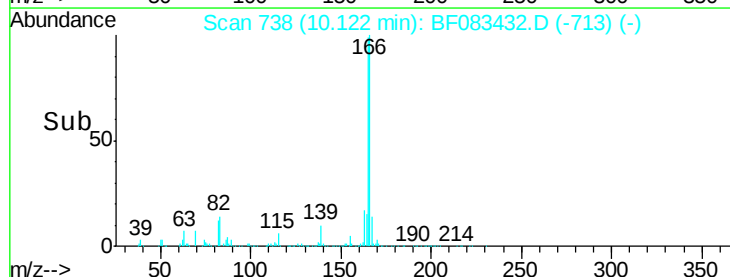
167 15.2 11.1 16.7

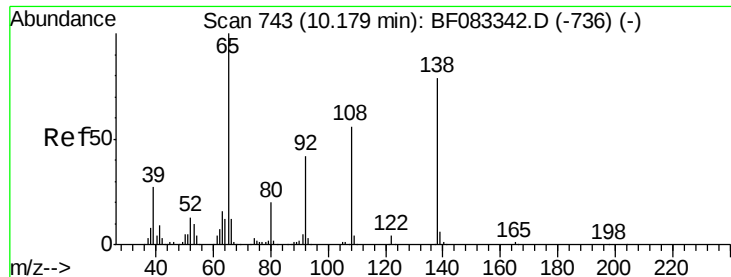


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

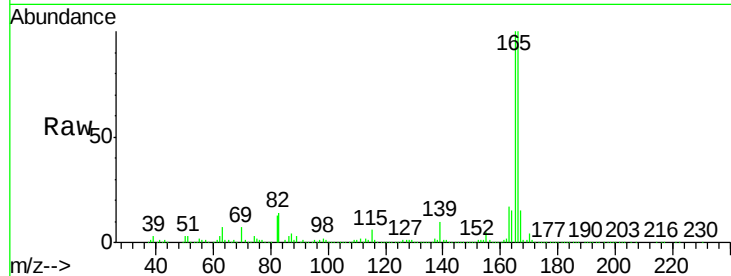




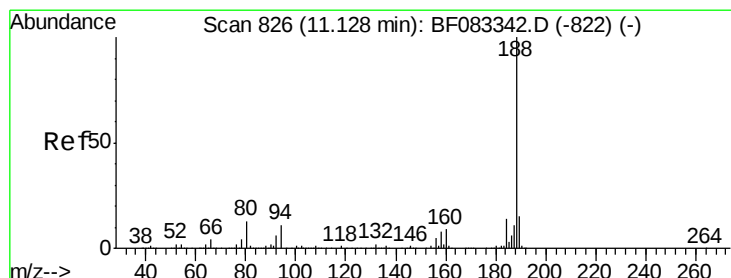
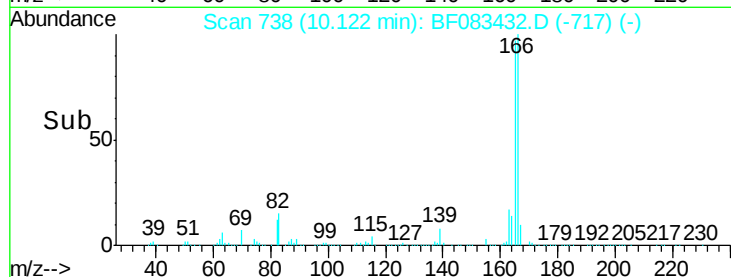
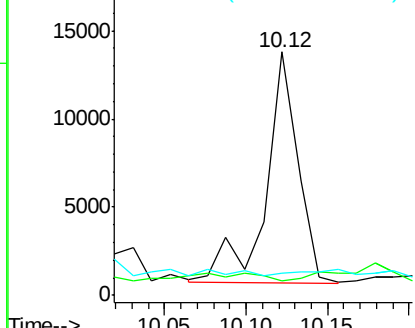
#61
4-Nitroaniline
Concen: 2.96 ng
RT: 10.12 min Scan# 738
Delta R.T. -0.06 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

Tgt Ion:138 Resp: 18003
Ion Ratio Lower Upper
138 100
92 5.7 33.6 73.6#
108 9.2 51.0 91.0#

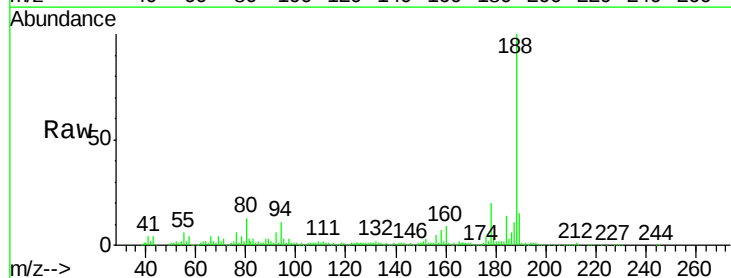


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

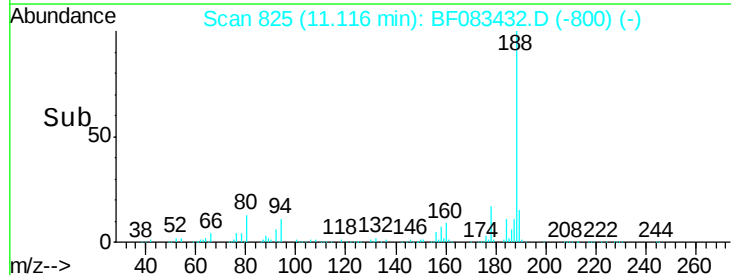
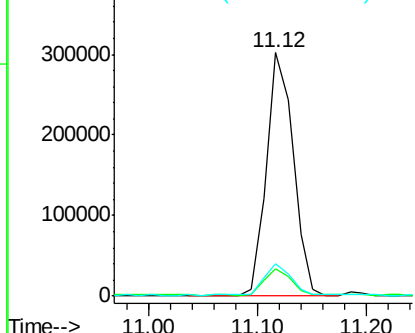


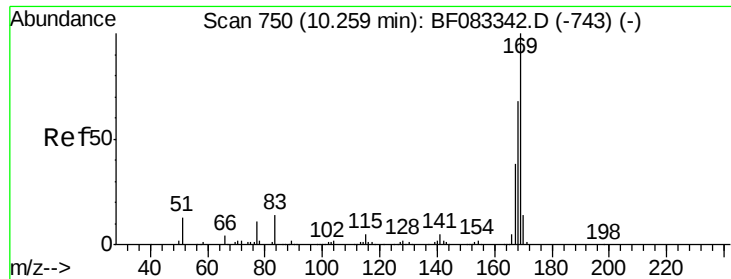
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Tgt Ion:188 Resp: 524461
Ion Ratio Lower Upper
188 100
94 11.5 8.7 13.1
80 13.1 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

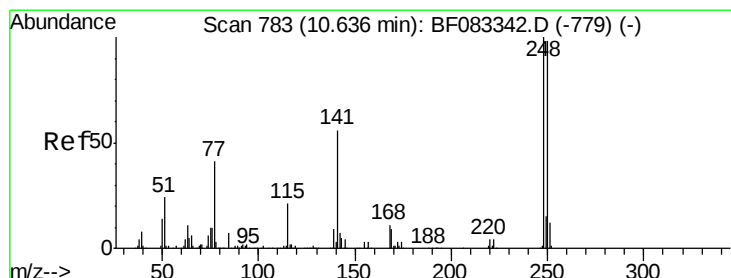
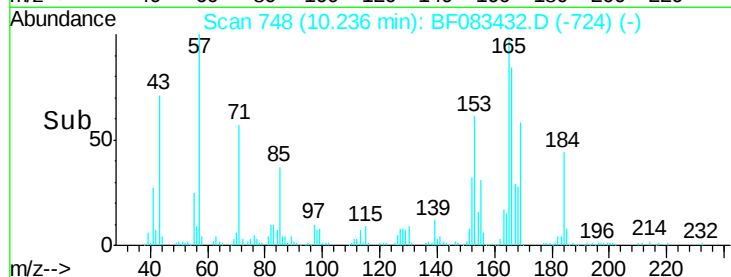
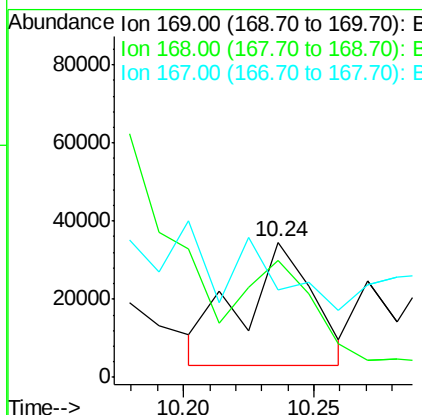
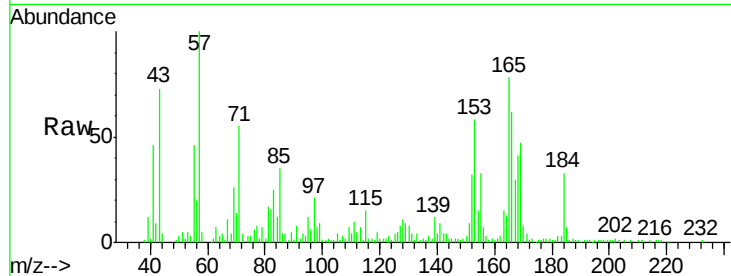




#65
n-Nitrosodiphenylamine
Concen: 3.22 ng
RT: 10.24 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

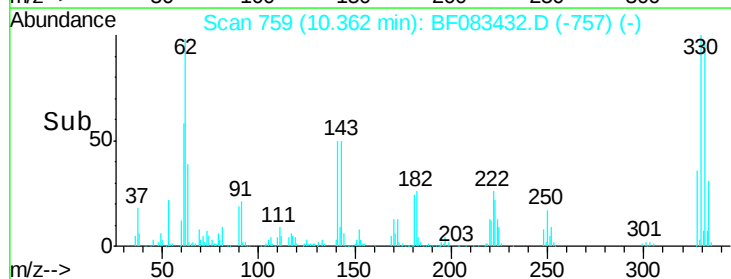
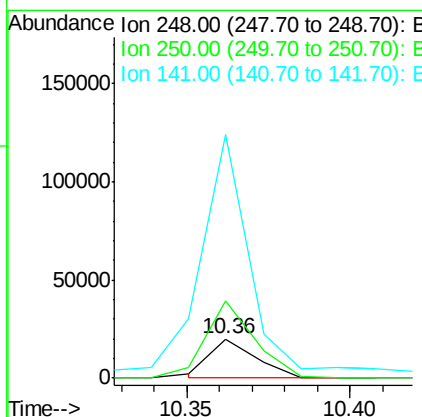
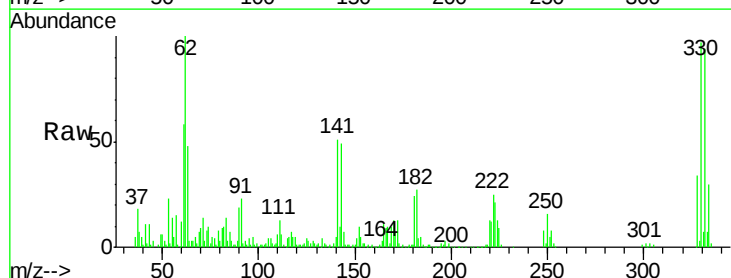
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

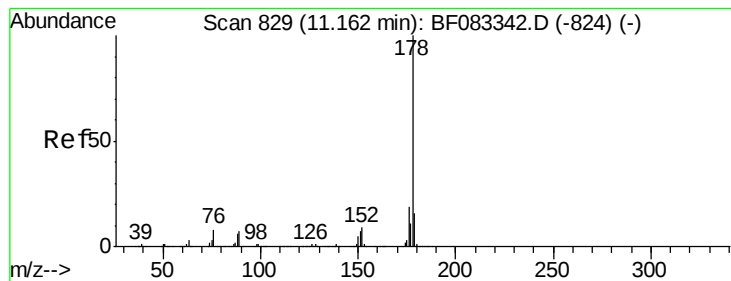
Tgt Ion:169 Resp: 59264
Ion Ratio Lower Upper
169 100
168 86.9 54.8 82.2#
167 64.9 30.2 45.2#



#66
4-Bromophenyl-phenylether
Concen: 3.34 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.27 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Tgt Ion:248 Resp: 19141
Ion Ratio Lower Upper
248 100
250 195.4 78.6 118.0#
141 619.0 44.4 66.6#





#70

Phenanthrene

Concen: 63.38 ng

RT: 11.22 min Scan# 834

Delta R.T. 0.06 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

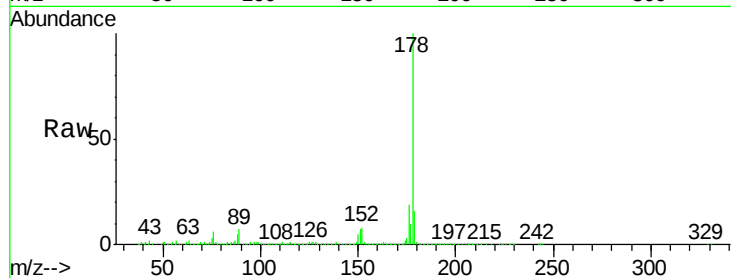
Tgt Ion:178 Resp: 1966994

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

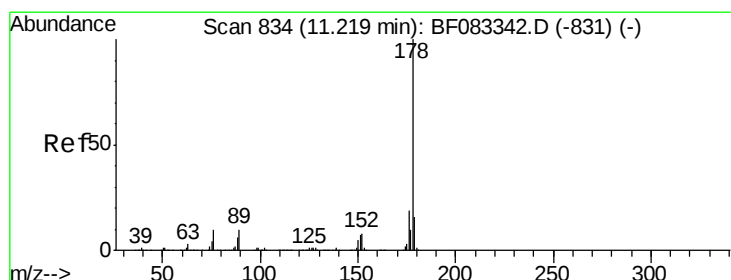
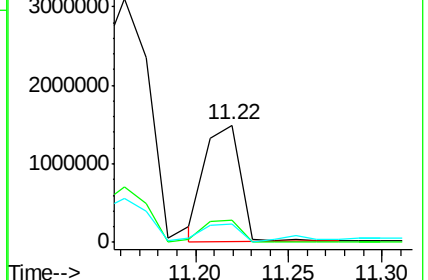
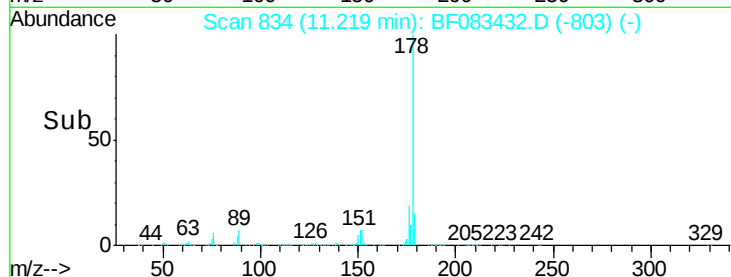
179 15.7 12.4 18.6



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: 62.95 ng

RT: 11.22 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

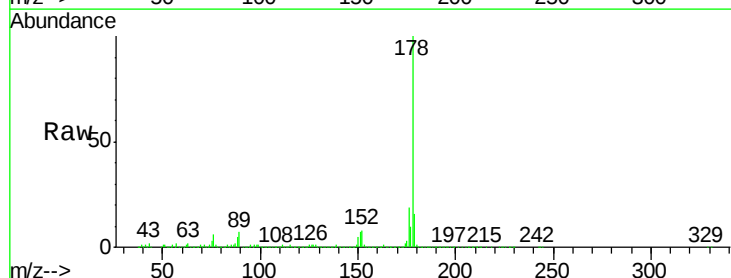
Tgt Ion:178 Resp: 1966994

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

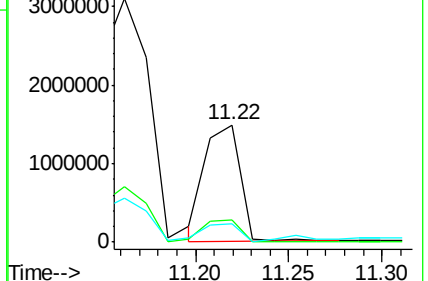
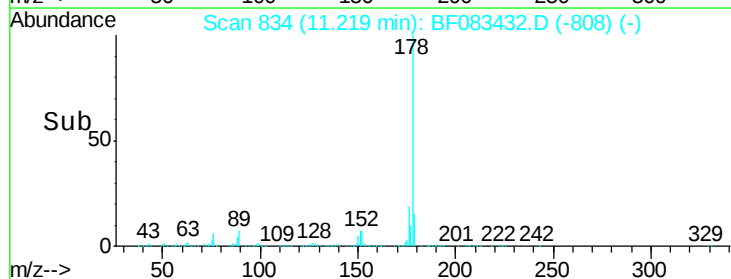
179 15.7 12.8 19.2

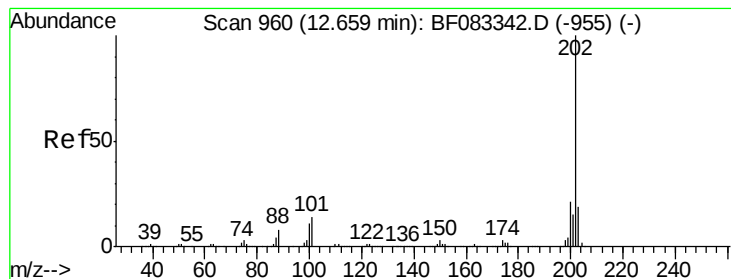


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 93.34 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

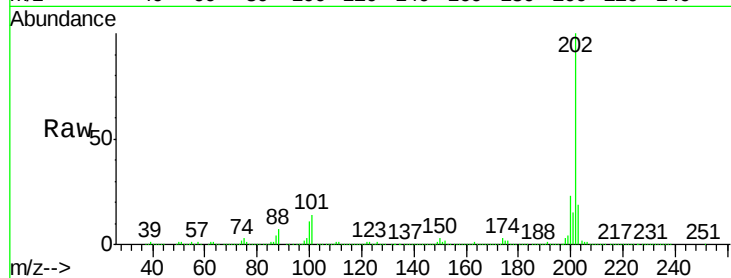
Tgt Ion:202 Resp: 3003129

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.5

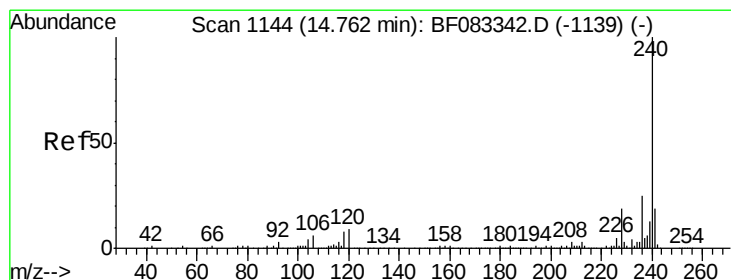
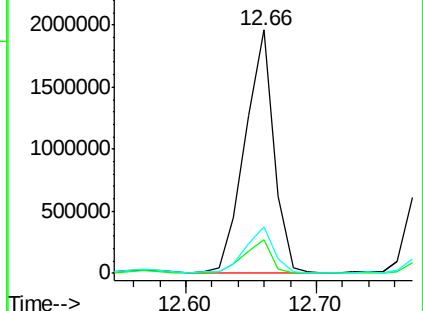
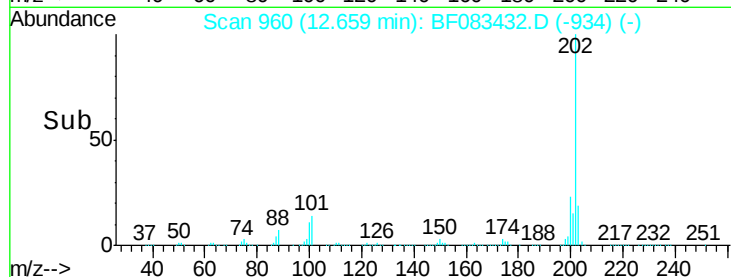
203 18.9 0.0 38.7



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: 14.74 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

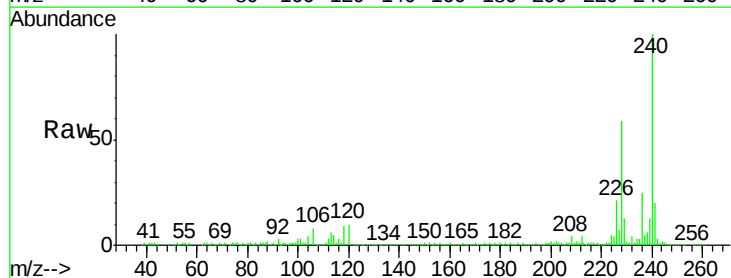
Tgt Ion:240 Resp: 366075

Ion Ratio Lower Upper

240 100

120 10.2 6.9 10.3

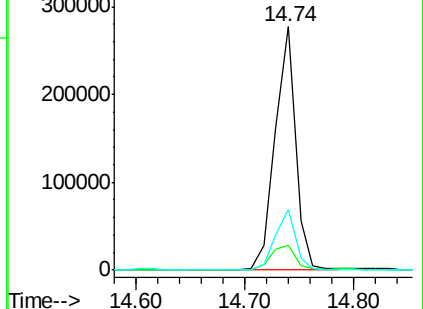
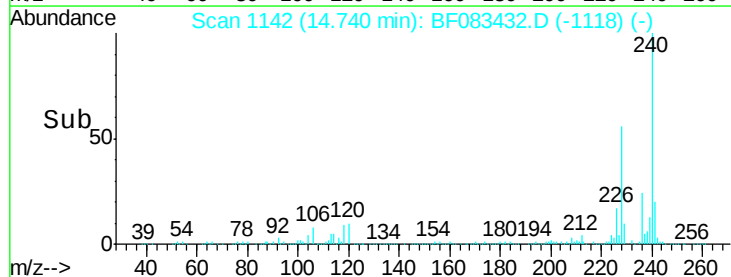
236 24.9 19.8 29.6

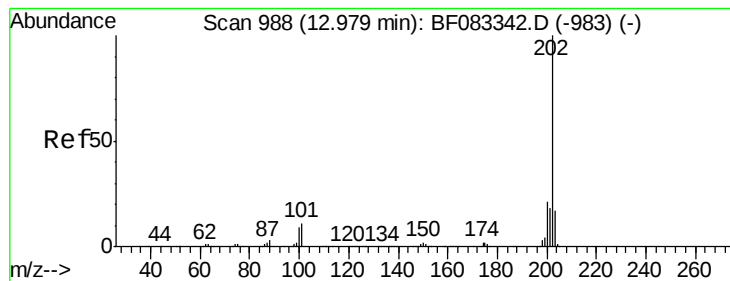


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 161.68 ng

RT: 12.98 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

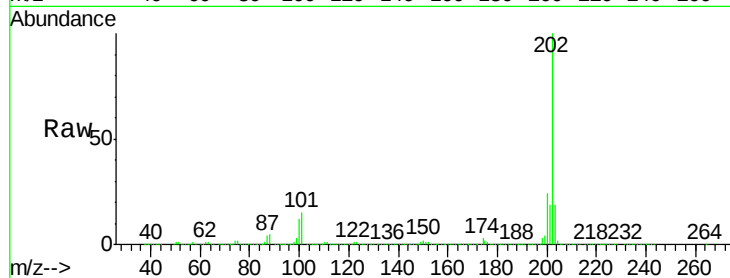
Tgt Ion:202 Resp: 4133370

Ion Ratio Lower Upper

202 100

200 23.7 16.9 25.3

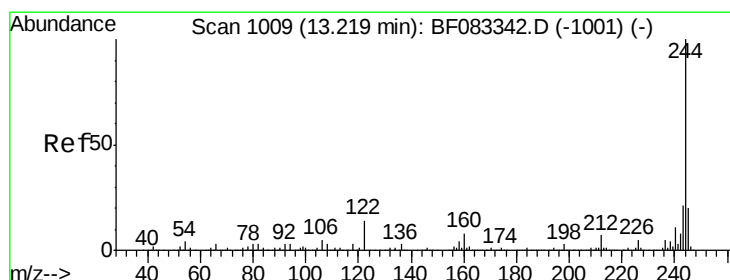
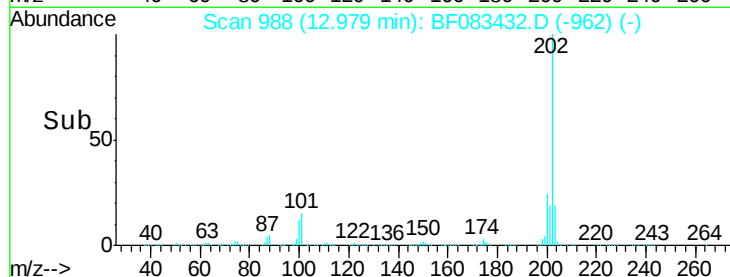
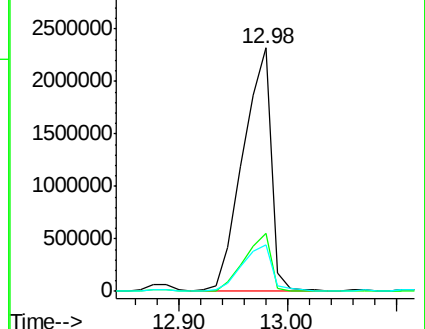
203 19.1 13.9 20.9



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: 97.08 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

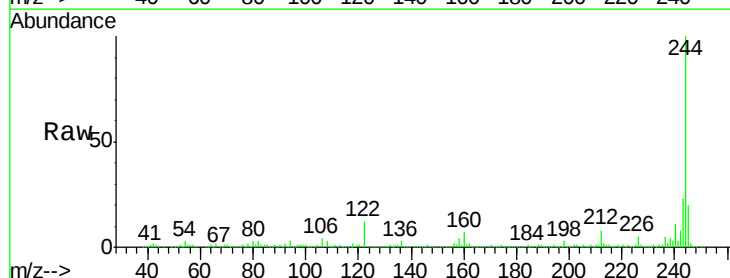
Tgt Ion:244 Resp: 1490144

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

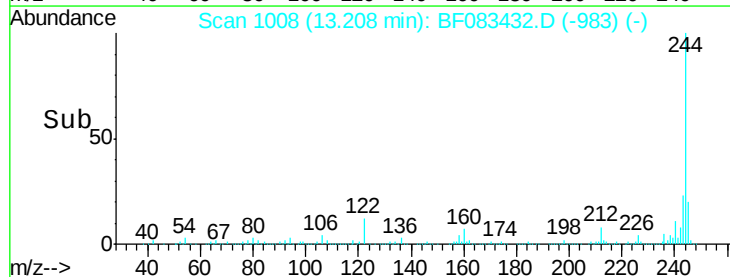
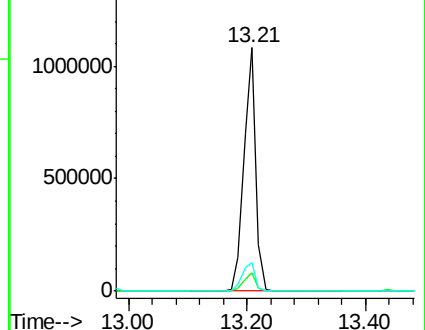
122 11.7 11.0 16.4

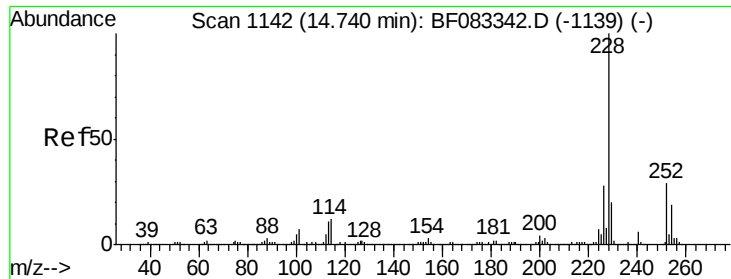


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 41.23 ng

RT: 14.77 min Scan# 1145

Delta R.T. 0.03 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)

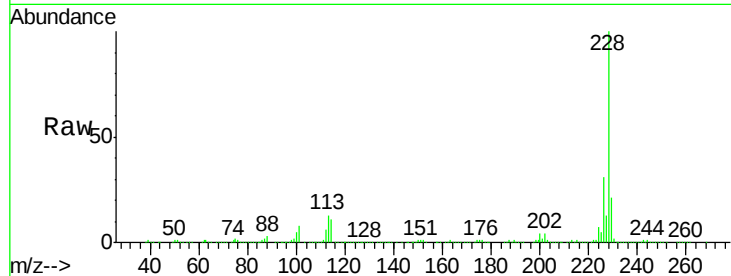
Tgt Ion:228 Resp: 924695

Ion Ratio Lower Upper

228 100

226 31.2 22.2 33.4

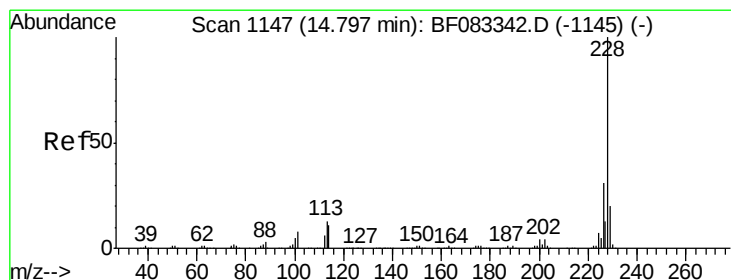
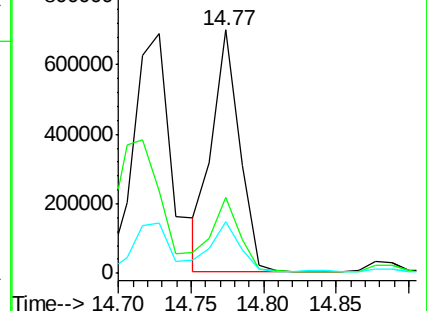
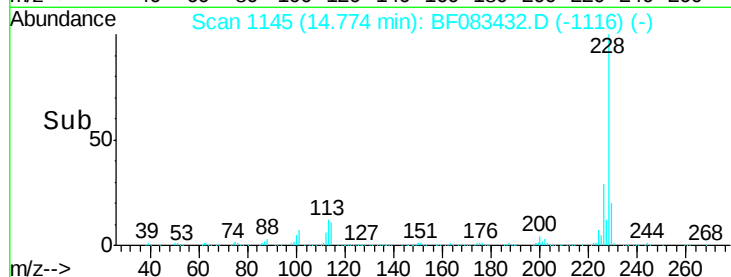
229 21.3 16.1 24.1



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: 42.67 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

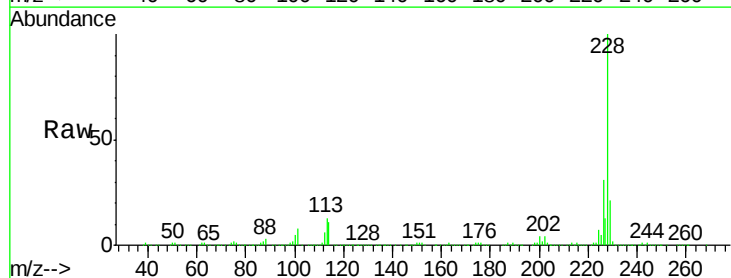
Tgt Ion:228 Resp: 924695

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

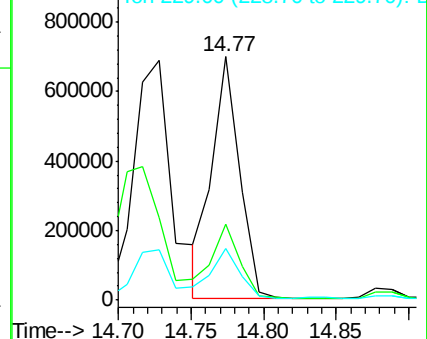
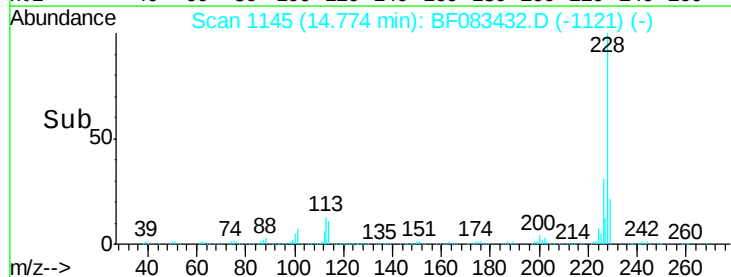
229 21.3 16.2 24.2

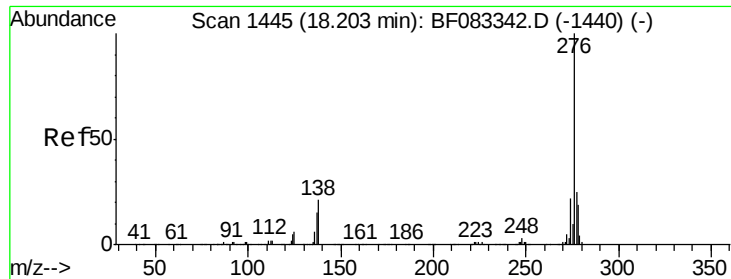


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

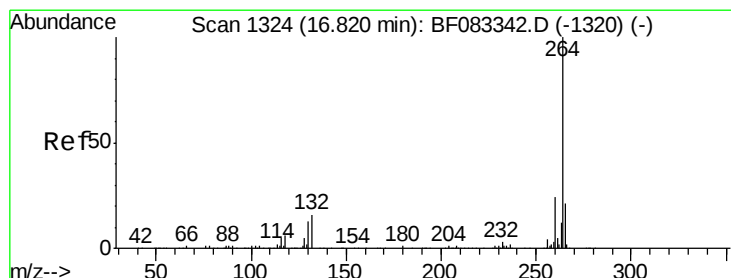
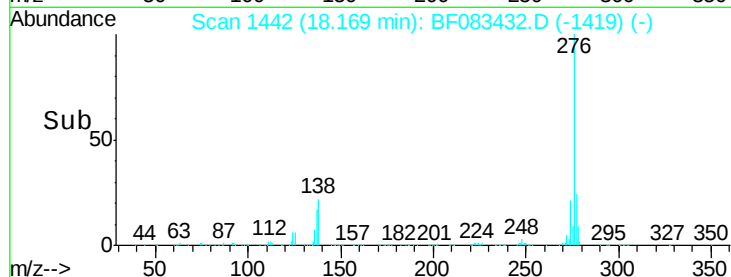
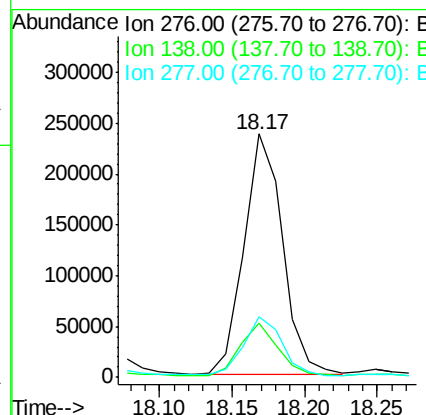
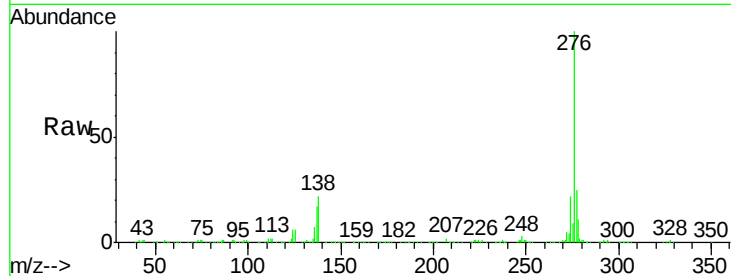




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.42 ng
 RT: 18.17 min Scan# 1442
 Delta R.T. -0.03 min
 Lab File: BF083432.D
 Acq: 2 Dec 2015 22:20

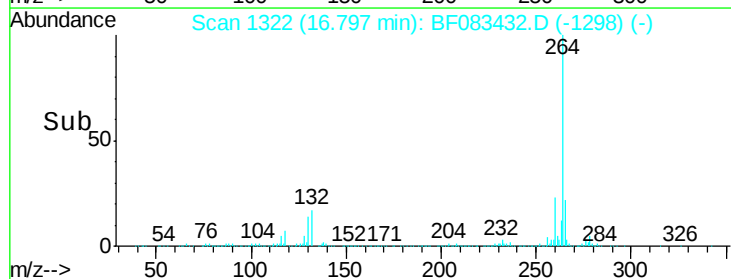
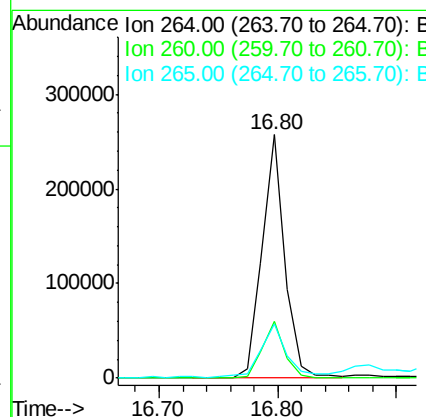
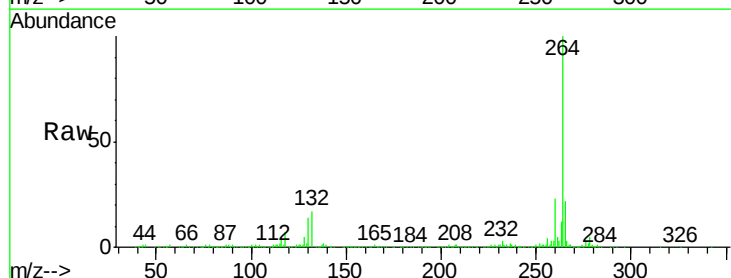
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)

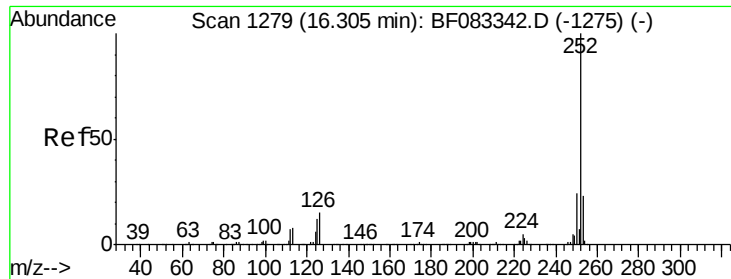
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.2	31.8
277	24.9	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.80 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF083432.D
 Acq: 2 Dec 2015 22:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.1	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 49.07 ng

RT: 16.29 min Scan# 1278

Delta R.T. -0.01 min

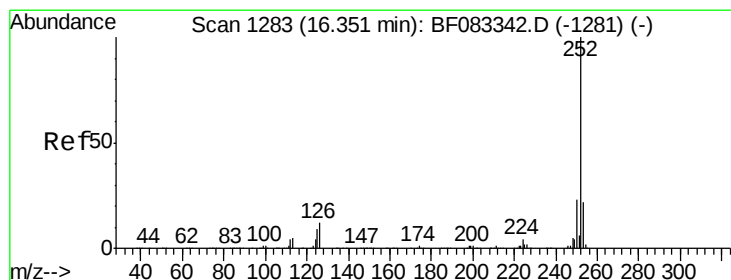
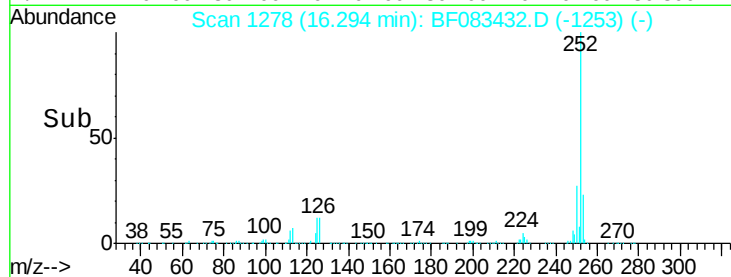
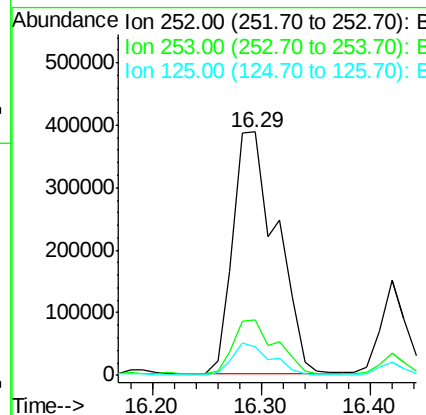
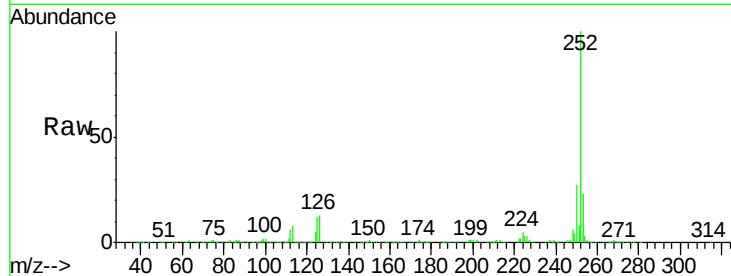
Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

Tgt Ion:252 Resp: 1080633

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	11.9	9.6	14.4



#88

Benzo(k)fluoranthene

Concen: 51.97 ng

RT: 16.29 min Scan# 1278

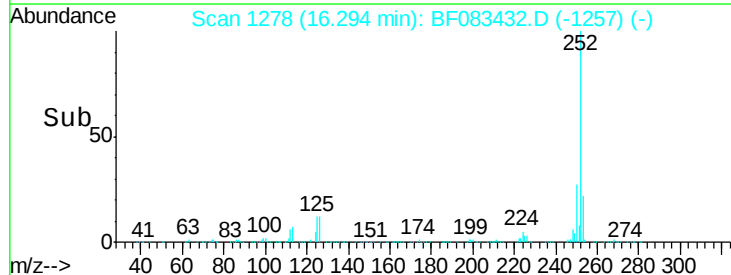
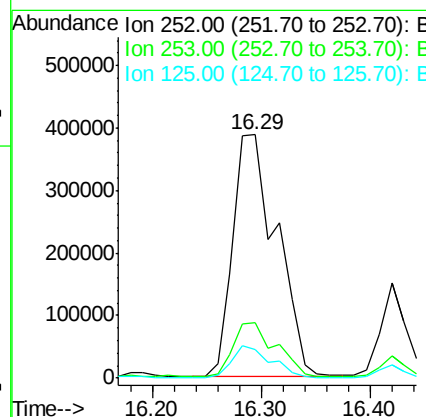
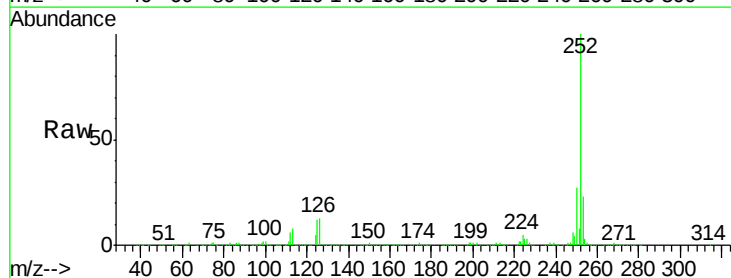
Delta R.T. -0.06 min

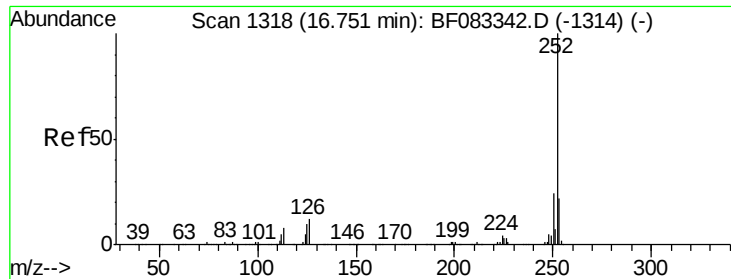
Lab File: BF083432.D

Acq: 2 Dec 2015 22:20

Tgt Ion:252 Resp: 1080633

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	11.9	7.5	11.3#

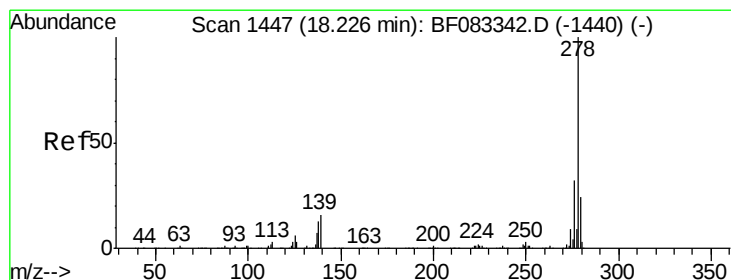
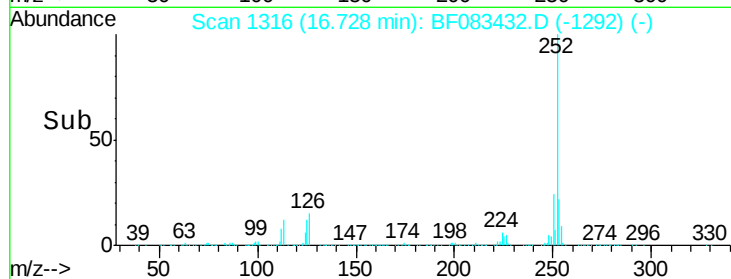
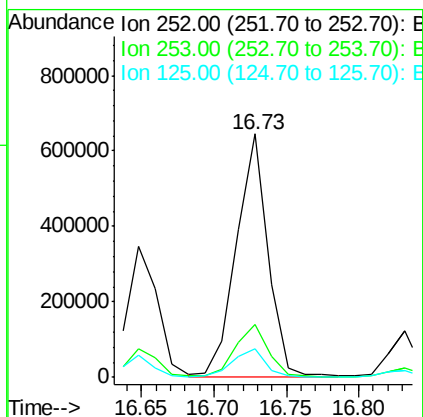
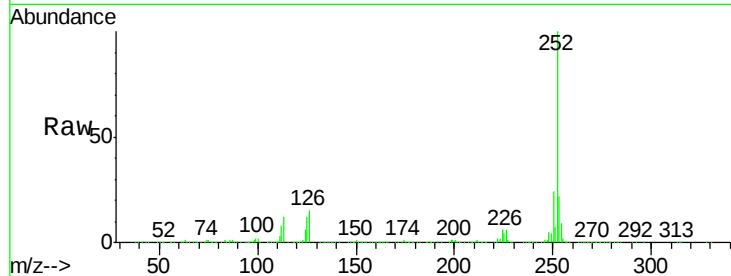




#89
Benzo(a)pyrene
Concen: 51.41 ng
RT: 16.73 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

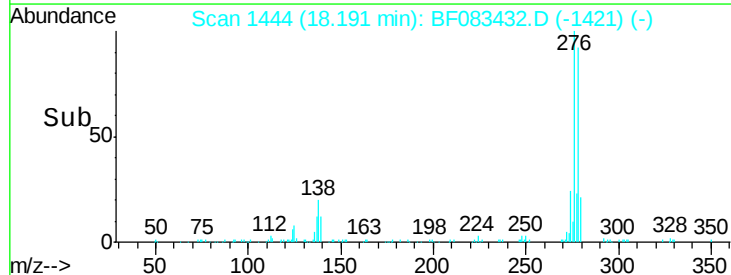
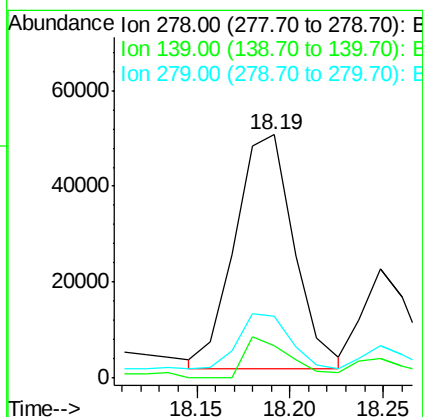
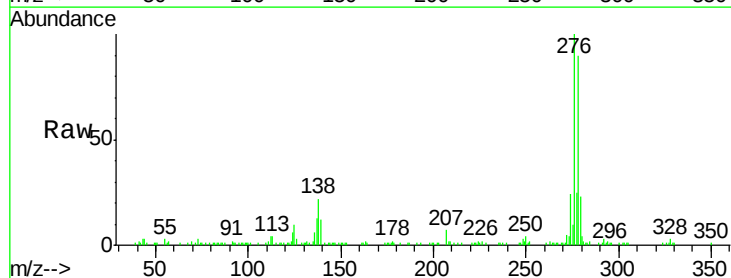
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)

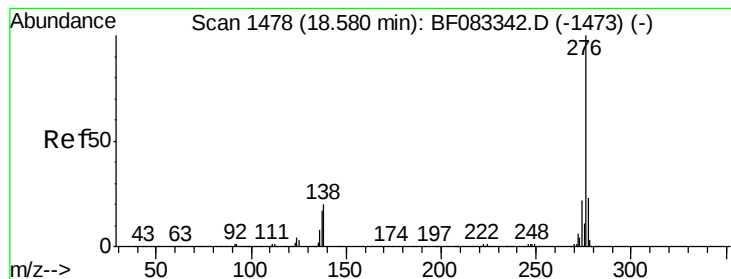
Tgt Ion:252 Resp: 972286
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 11.7 7.8 11.8



#90
Dibenzo(a,h)anthracene
Concen: 6.55 ng
RT: 18.19 min Scan# 1444
Delta R.T. -0.03 min
Lab File: BF083432.D
Acq: 2 Dec 2015 22:20

Tgt Ion:278 Resp: 107985
Ion Ratio Lower Upper
278 100
139 13.6 13.1 19.7
279 25.6 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 29.85 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083432.D

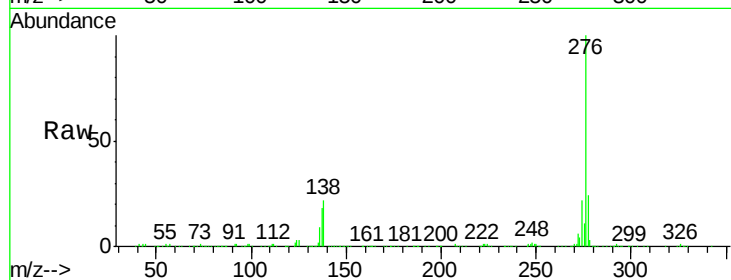
Acq: 2 Dec 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)



Tgt Ion: 276 Resp: 482889

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 21.9 16.1 24.1

