

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083448.D
 Acq On : 3 Dec 2015 7:24
 Operator : UM/IZ
 Sample : G4582-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(0-4)

Quant Time: Dec 03 09:54:16 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	147469	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	576547	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	282679	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	441578	20.00	ng	-0.01
75) Chrysene-d12	14.75	240	348448	20.00	ng	-0.01
86) Perylene-d12	16.82	264	320274	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1419392	144.43	ng	0.00
7) Phenol-d6	6.21	99	1820787	135.36	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1277768	97.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	297885	104.98	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1585604	79.93	ng	-0.01
78) Terphenyl-d14	13.21	244	1130656	77.38	ng	-0.01

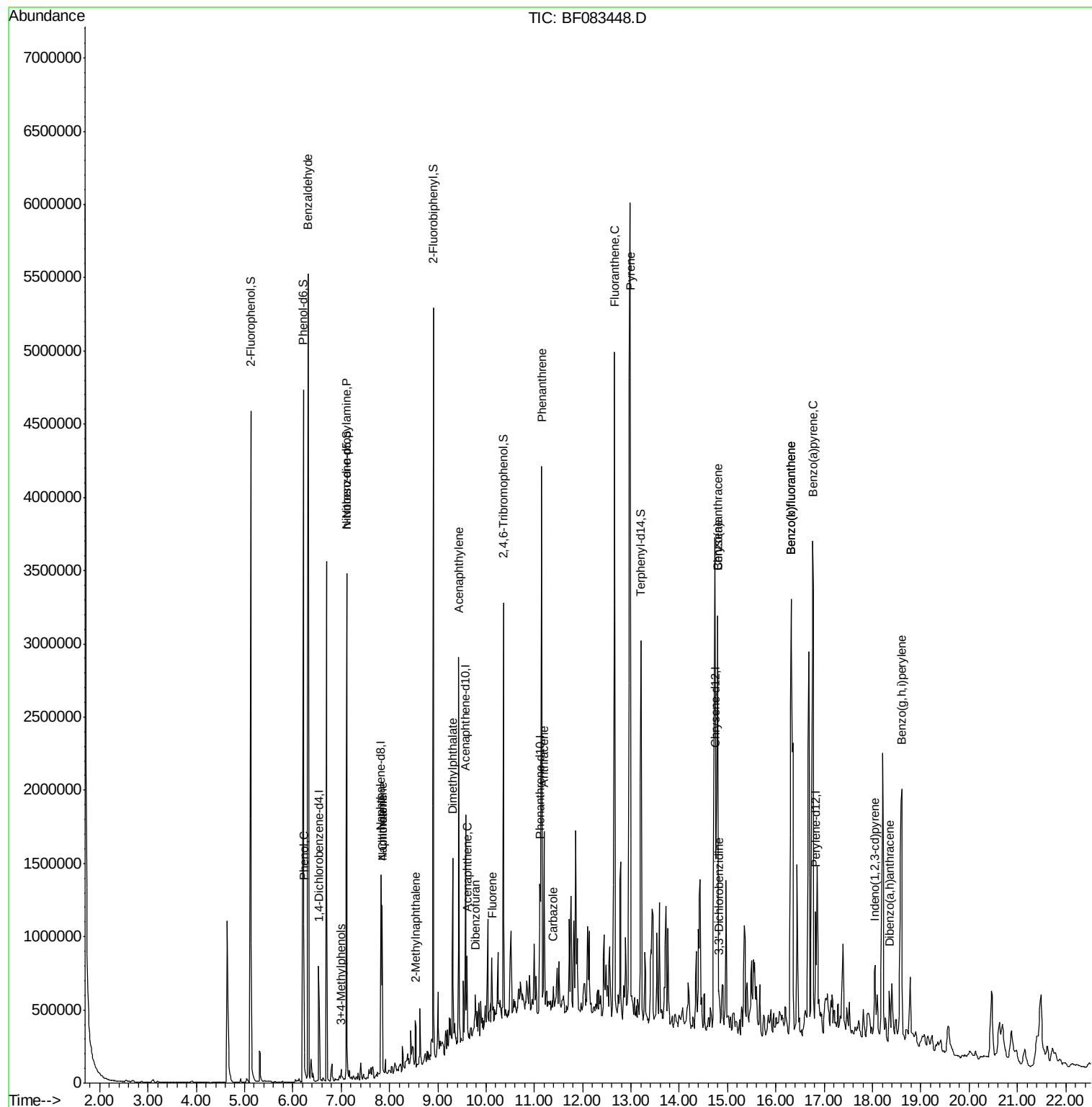
Target Compounds						Qvalue
9) Benzaldehyde	6.32	77	37321	3.78	ng	81
10) Phenol	6.22	94	53659	3.32	ng	# 66
19) n-Nitroso-di-n-propylamine	7.12	70	182954	19.03	ng	# 81
20) 3+4-Methylphenols	7.00	107	32709	2.67	ng	84
31) Naphthalene	7.85	128	469626	15.01	ng	98
33) 4-Chloroaniline	7.85	127	61255	4.54	ng	# 34
37) 2-Methylnaphthalene	8.54	142	102939	4.92	ng	99
48) Acenaphthylene	9.44	152	1088411	36.12	ng	99
49) Dimethylphthalate	9.31	163	375546	16.35	ng	98
51) Acenaphthene	9.61	154	151250	8.53	ng	95
54) Dibenzofuran	9.78	168	68261	2.63	ng	# 92
57) Fluorene	10.12	166	222536	10.85	ng	93
70) Phenanthrene	11.15	178	2165046	82.85	ng	98
71) Anthracene	11.20	178	641627	24.39	ng	98
72) Carbazole	11.39	167	76602	3.24	ng	# 94
74) Fluoranthene	12.66	202	2783221	102.75	ng	99
77) Pyrene	12.98	202	3914874	160.88	ng	95
80) Benzo(a)anthracene	14.80	228	1842559	86.31	ng	95
81) 3,3'-Dichlorobenzidine	14.83	252	37321	5.60	ng	# 1
82) Chrysene	14.80	228	1842559	89.33	ng	99
85) Indeno(1,2,3-cd)pyrene	18.05	276	402399	26.79	ng	95
87) Benzo(b)fluoranthene	16.32	252	3556129	173.04	ng	99
88) Benzo(k)fluoranthene	16.32	252	3556129	183.26	ng	# 95
89) Benzo(a)pyrene	16.76	252	2541846	144.01	ng	# 96
90) Dibenzo(a,h)anthracene	18.35	278	251979	16.38	ng	99
91) Benzo(g,h,i)perylene	18.60	276	1738123	115.15	ng	98

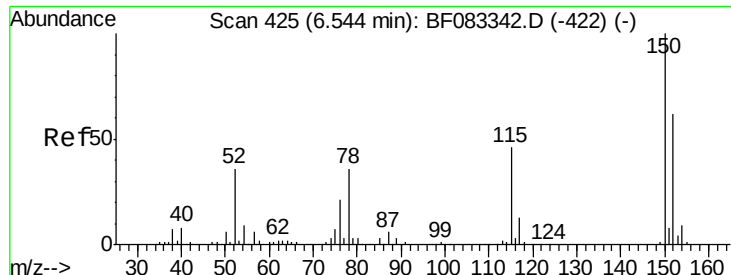
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
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: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

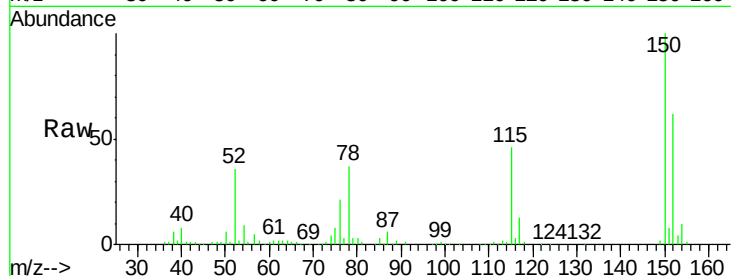
Tot Ion:152 Resp: 147469

Ion Ratio Lower Upper

152 100

150 160.1 129.8 194.8

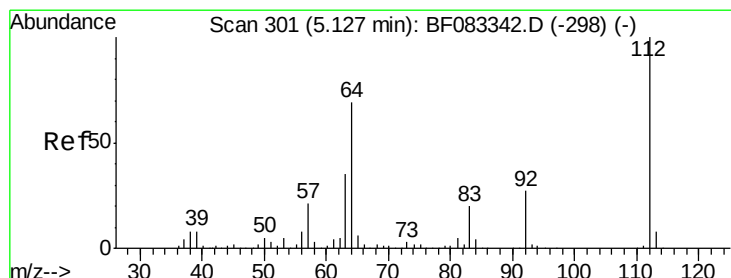
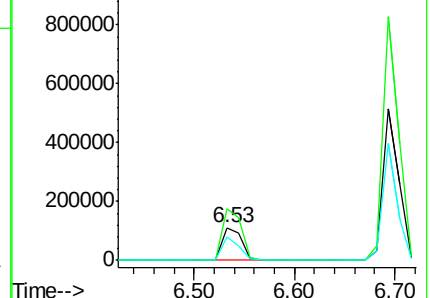
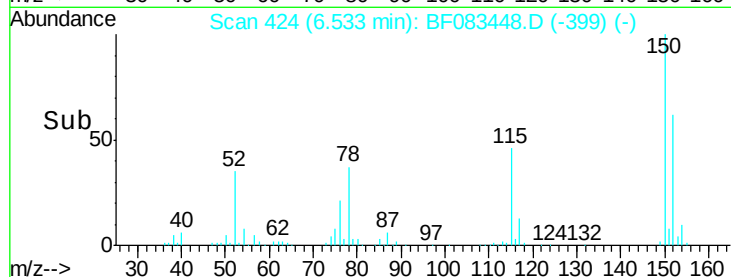
115 73.7 59.2 88.8



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: 144.43 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

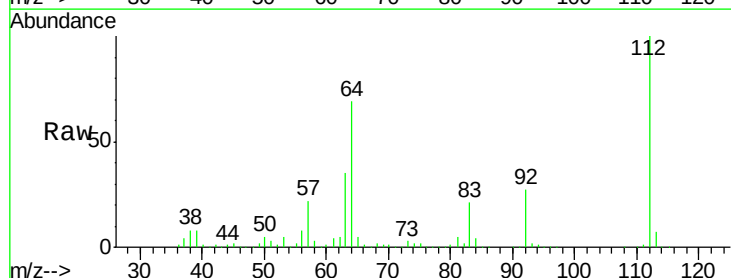
Tgt Ion:112 Resp: 1419392

Ion Ratio Lower Upper

112 100

64 68.8 55.6 83.4

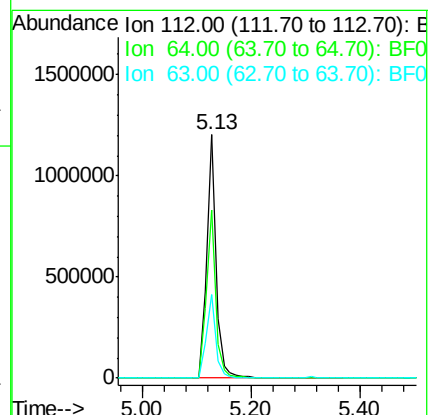
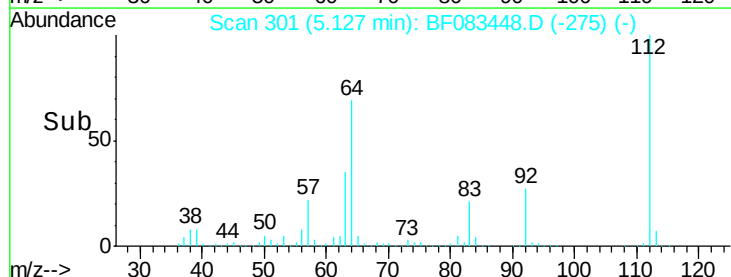
63 34.6 28.2 42.2

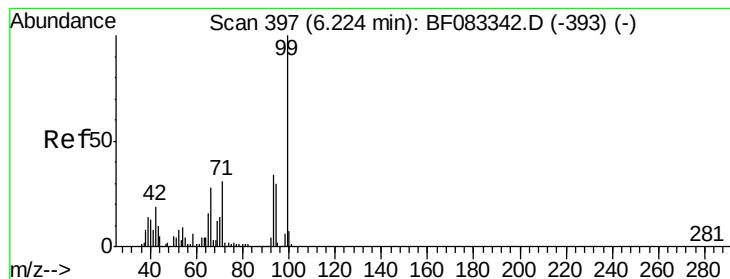


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.36 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

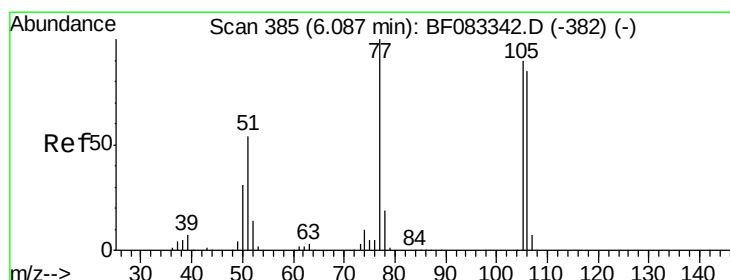
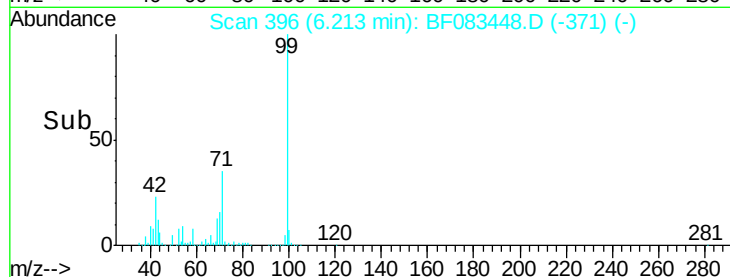
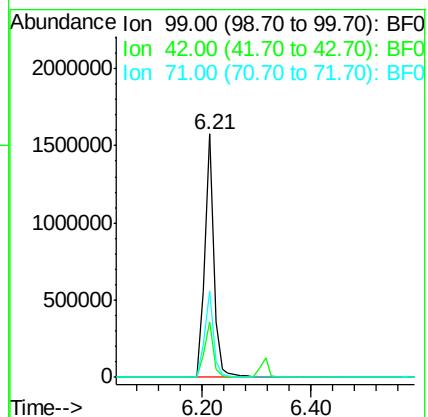
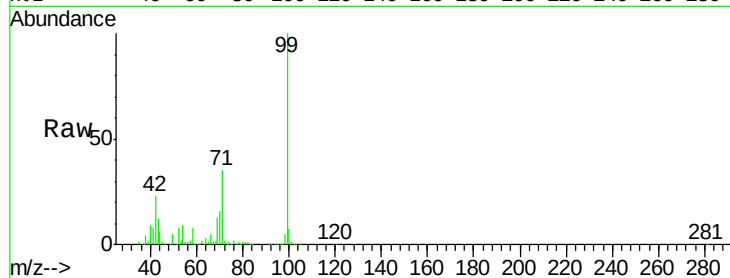
Tot Ion: 99 Resp: 1820787

Ion Ratio Lower Upper

99 100

42 22.6 14.9 22.3#

71 35.4 24.7 37.1



#9

Benzaldehyde

Concen: 3.78 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.23 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

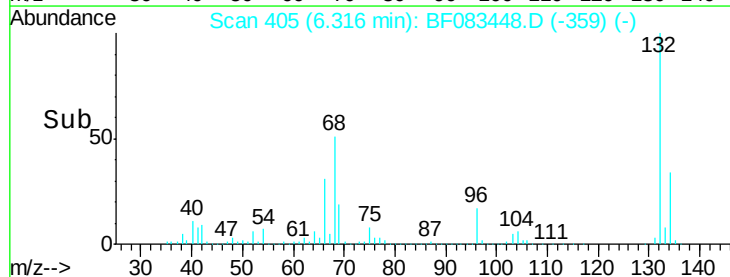
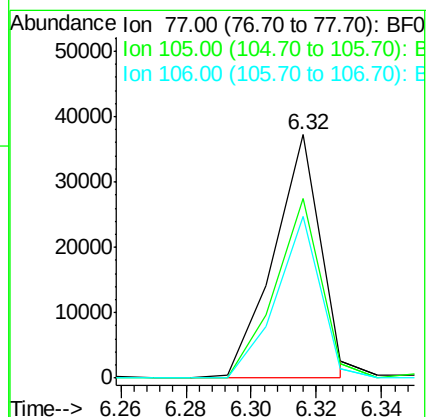
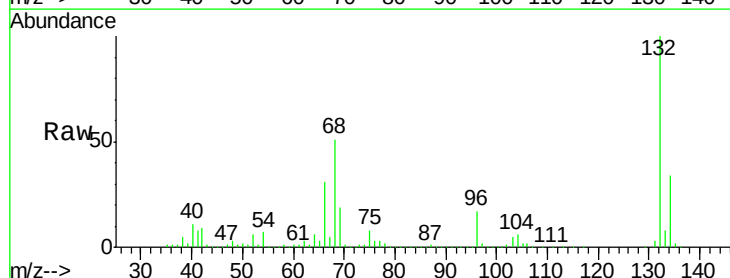
Tgt Ion: 77 Resp: 37321

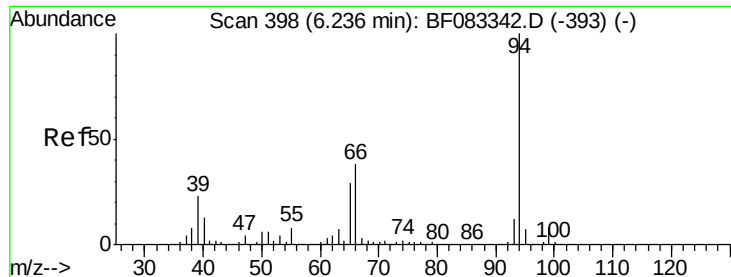
Ion Ratio Lower Upper

77 100

105 73.6 70.0 110.0

106 66.6 65.0 105.0





#10

Phenol

Concen: 3.32 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

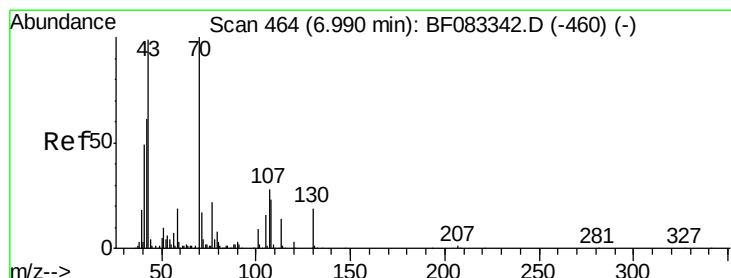
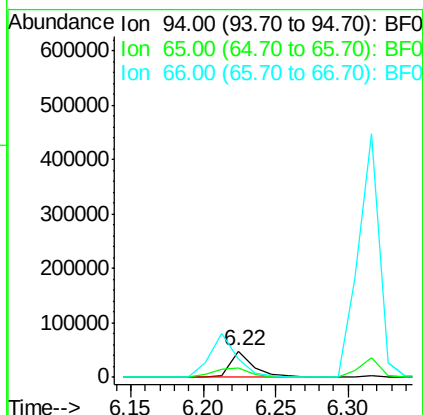
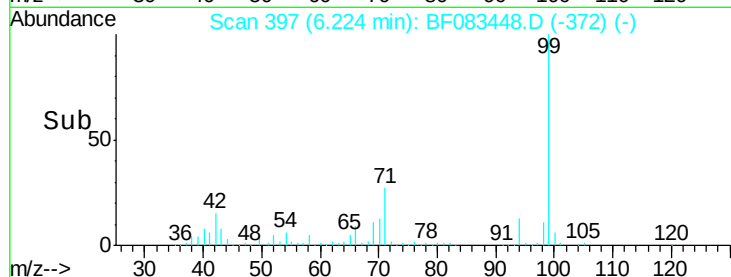
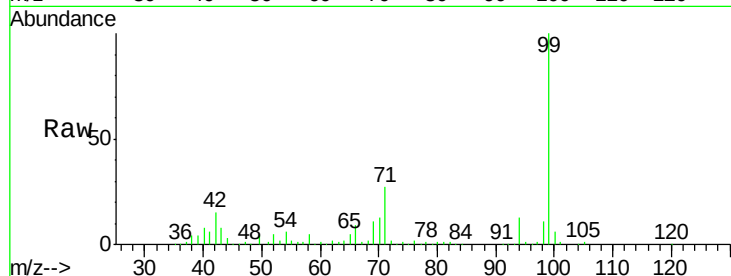
Tot Ion: 94 Resp: 53659

Ion Ratio Lower Upper

94 100

65 37.1 9.5 49.5

66 68.0 17.9 57.9#



#19

n-Nitroso-di-n-propylamine

Concen: 19.03 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Tgt Ion: 70 Resp: 182954

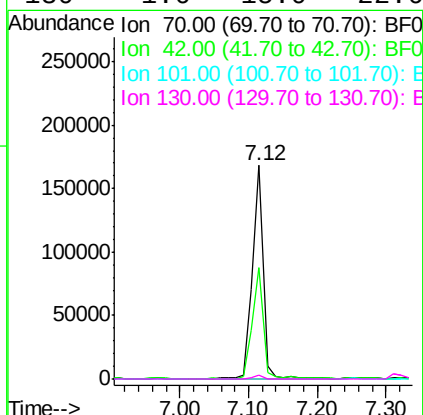
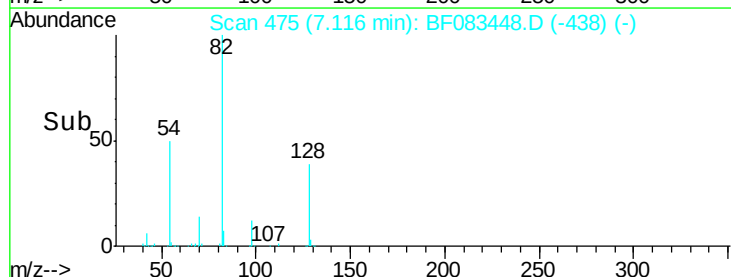
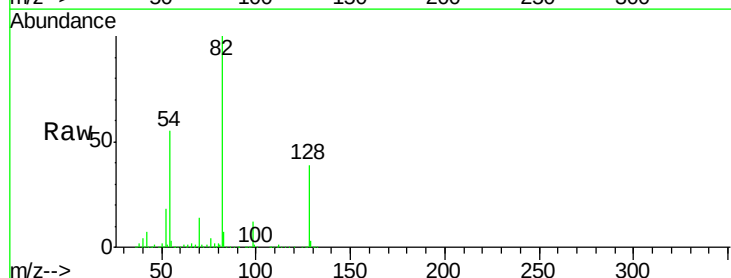
Ion Ratio Lower Upper

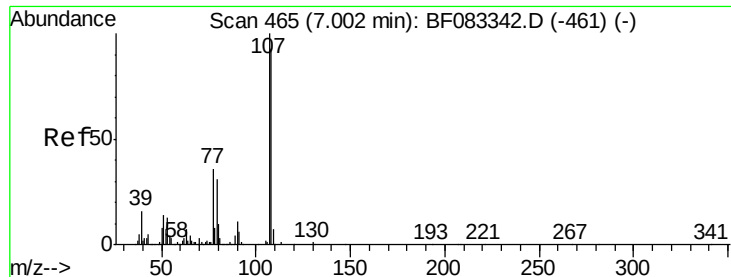
70 100

42 52.0 48.8 73.2

101 0.0 7.1 10.7#

130 1.6 15.0 22.6#

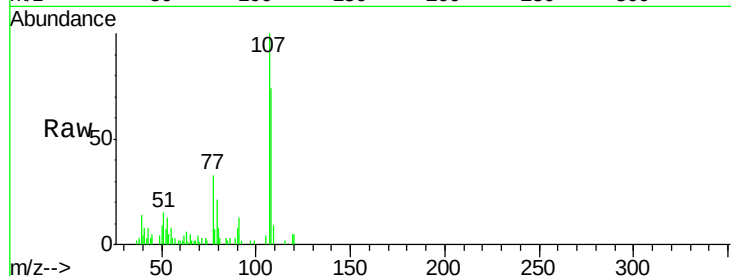




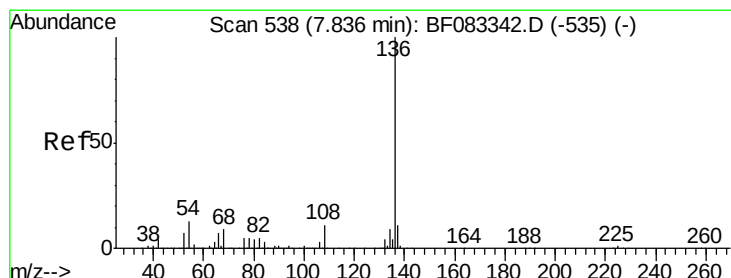
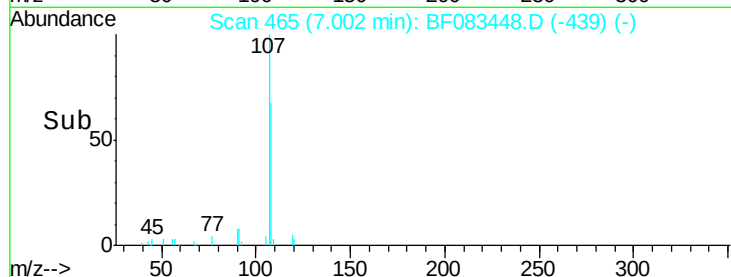
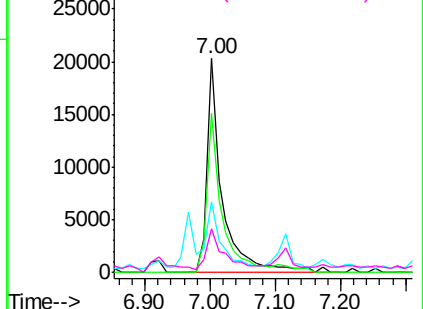
#20
3+4-Methylphenols
Concen: 2.67 ng
RT: 7.00 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion:	107	Resp:	32709
Ion	Ratio	Lower	Upper
107	100		
108	74.4	73.0	113.0
77	32.9	16.8	56.8
79	20.6	11.4	51.4

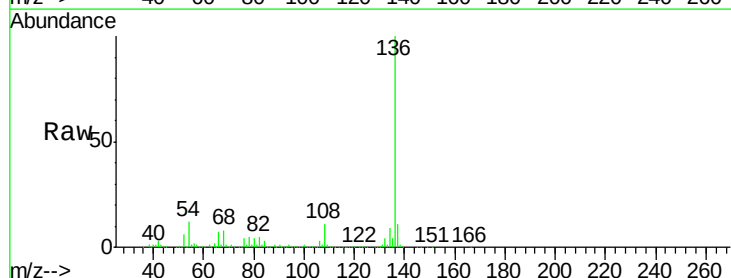


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

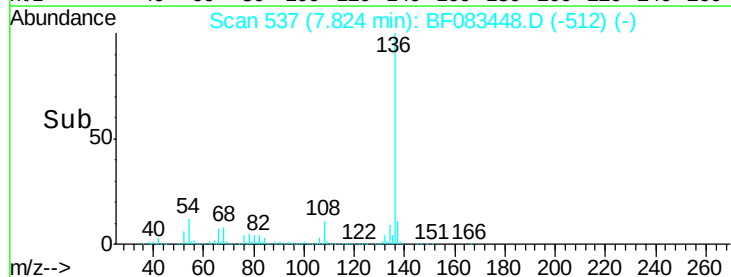
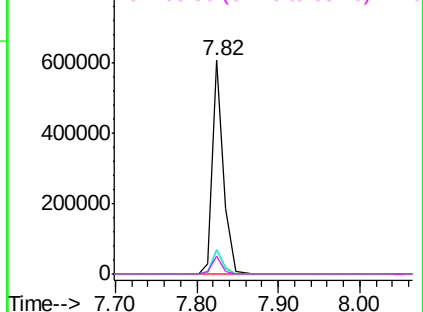


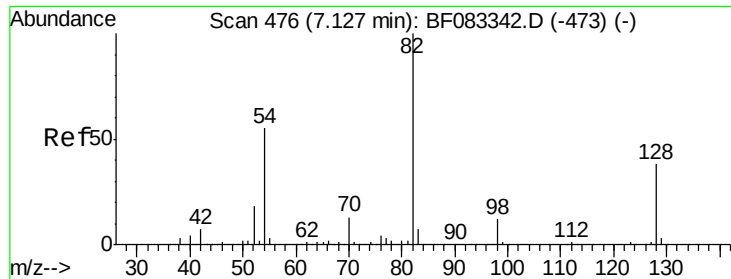
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion:	136	Resp:	576547
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	11.7	10.1	15.1
68	8.3	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

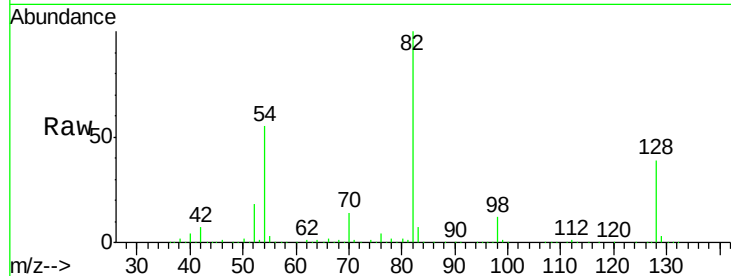




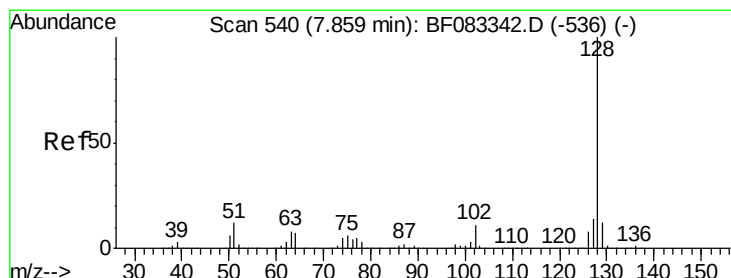
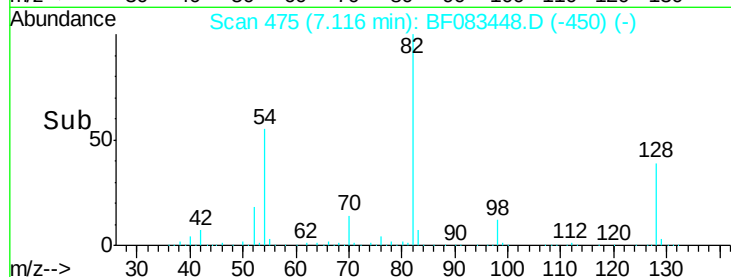
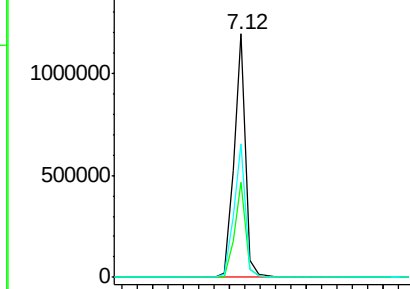
#23
Nitrobenzene-d5
Concen: 97.42 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion: 82 Resp: 1277768
Ion Ratio Lower Upper
82 100
128 38.9 30.6 46.0
54 54.8 43.8 65.6

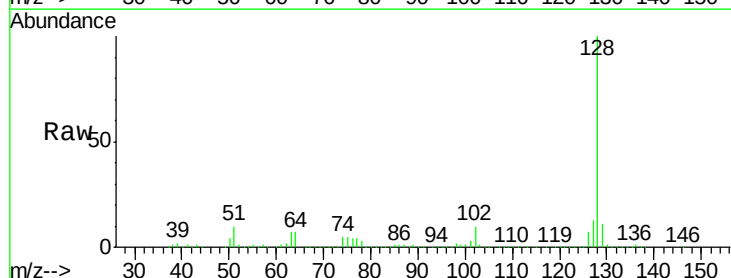


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

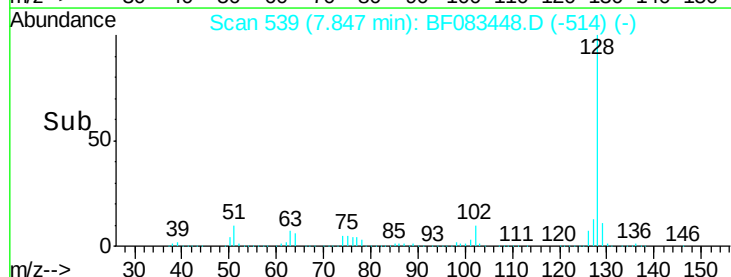
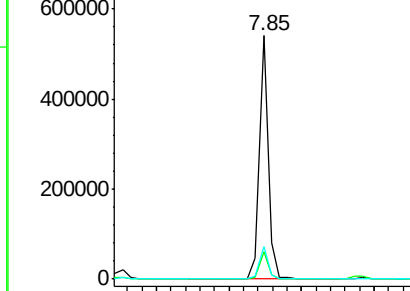


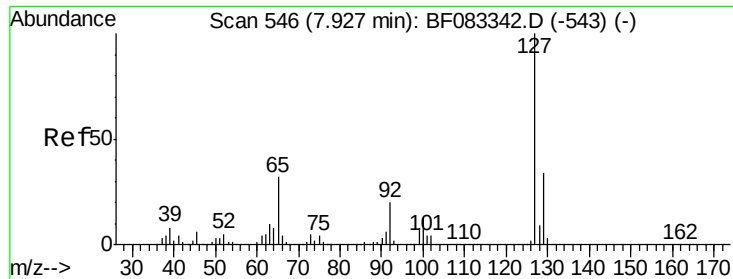
#31
Naphthalene
Concen: 15.01 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion: 128 Resp: 469626
Ion Ratio Lower Upper
128 100
129 11.0 9.7 14.5
127 13.3 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

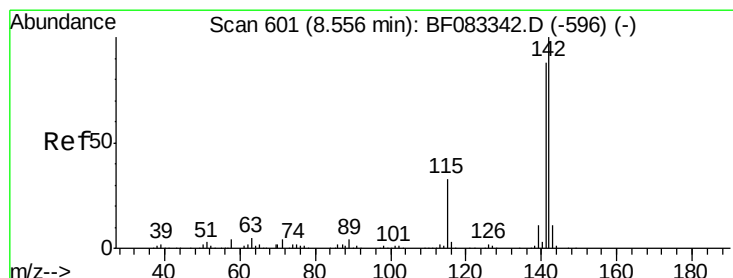
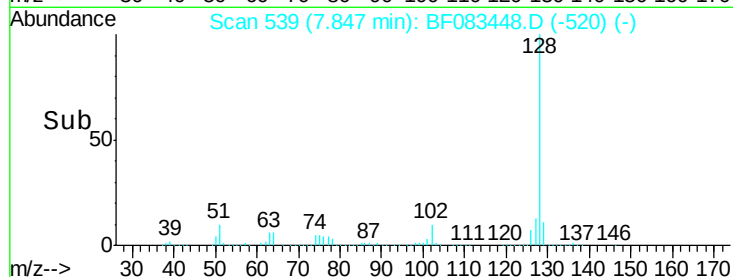
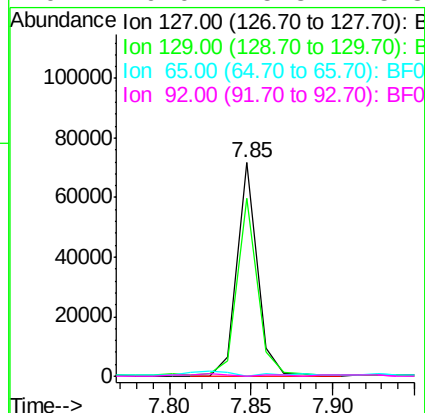
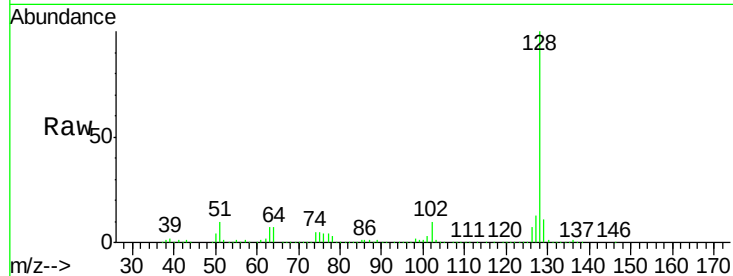




#33
4-Chloroaniline
Concen: 4.54 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.08 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

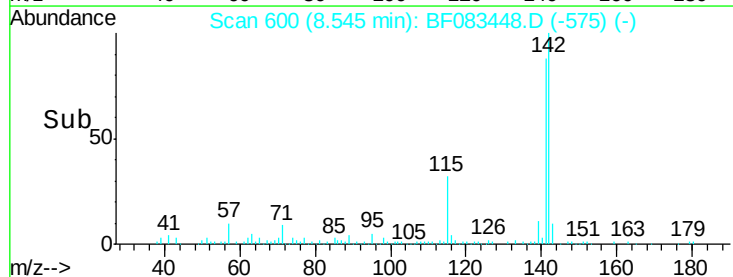
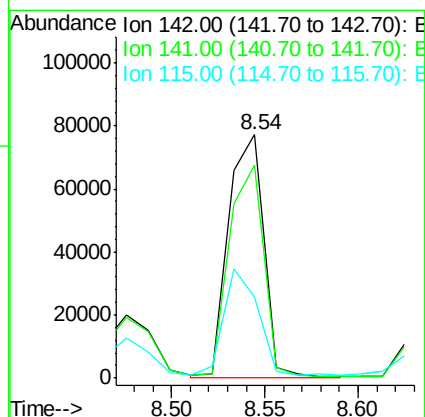
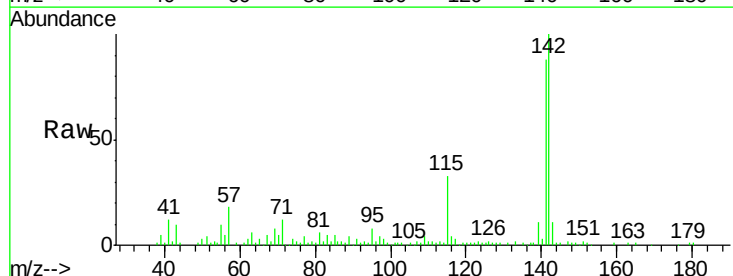
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

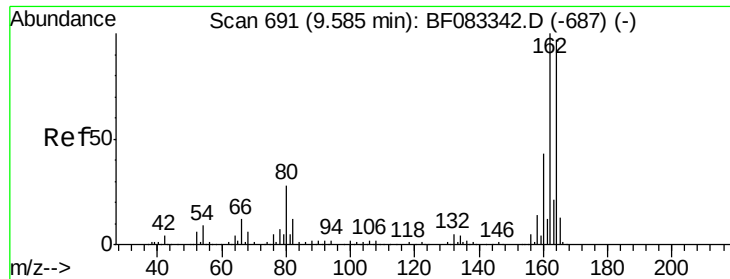
Tot Ion:	127	Resp:	61255
Ion Ratio	Lower	Upper	
127	100		
129	83.3	27.0	40.4#
65	0.0	25.9	38.9#
92	0.0	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 4.92 ng
RT: 8.54 min Scan# 600
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion:	142	Resp:	102939
Ion Ratio	Lower	Upper	
142	100		
141	87.6	70.6	105.8
115	33.2	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: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

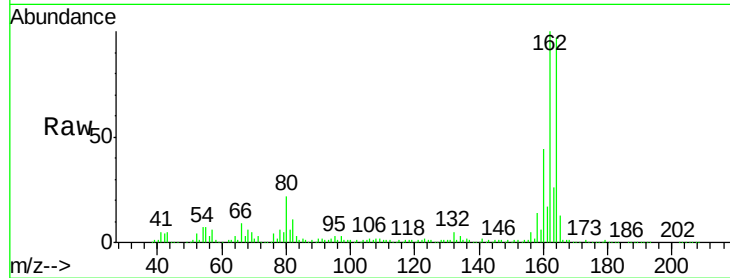
Tot Ion:164 Resp: 282679

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

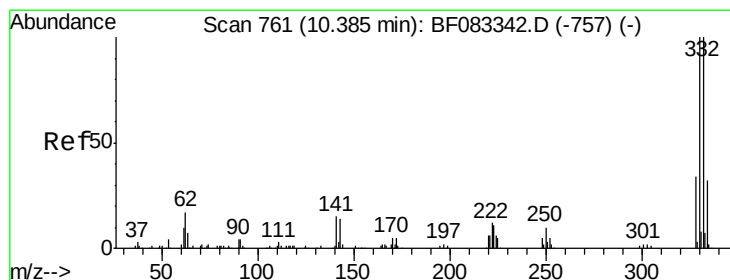
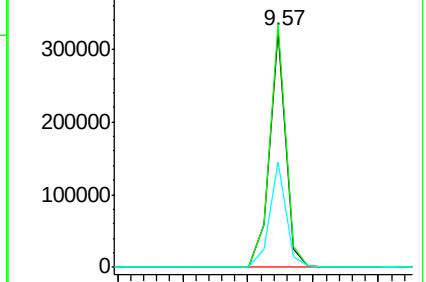
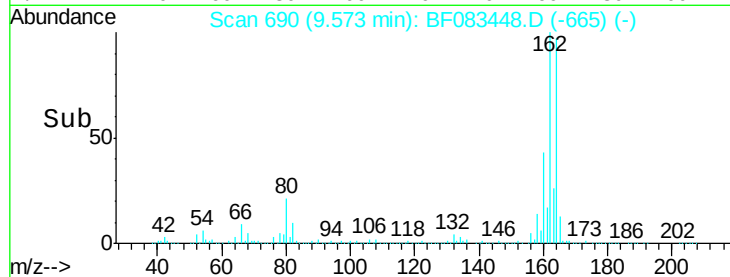
160 44.9 35.3 52.9



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: 104.98 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

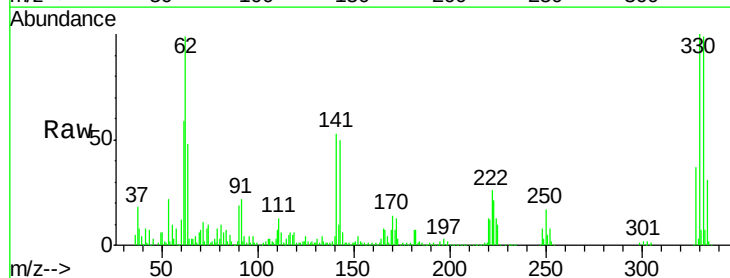
Tgt Ion:330 Resp: 297885

Ion Ratio Lower Upper

330 100

332 97.8 77.8 116.6

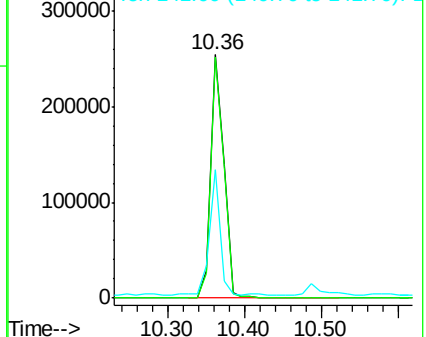
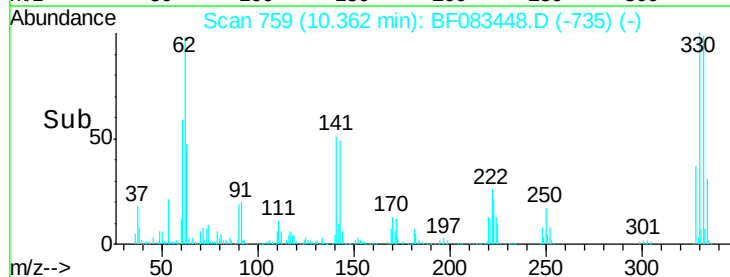
141 42.8 29.4 44.0

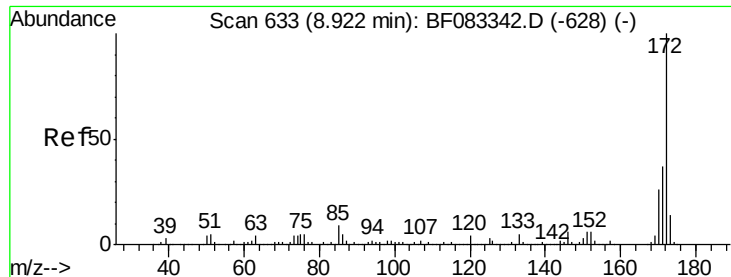


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

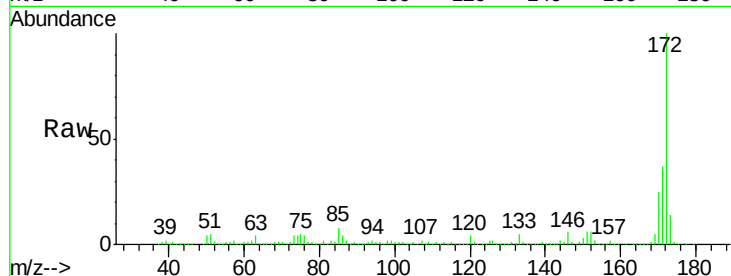




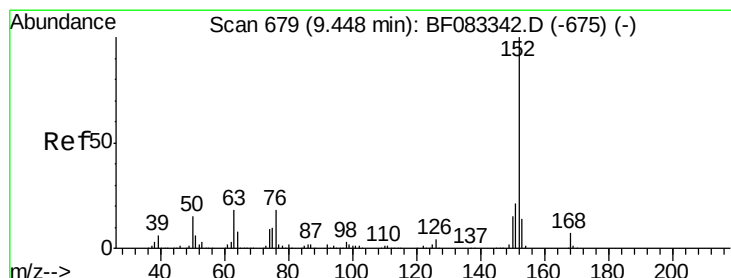
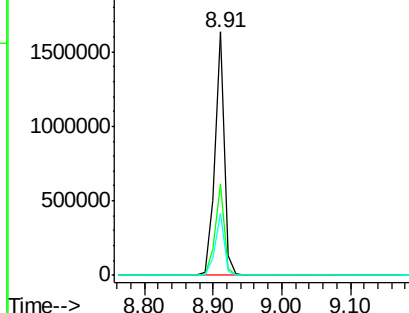
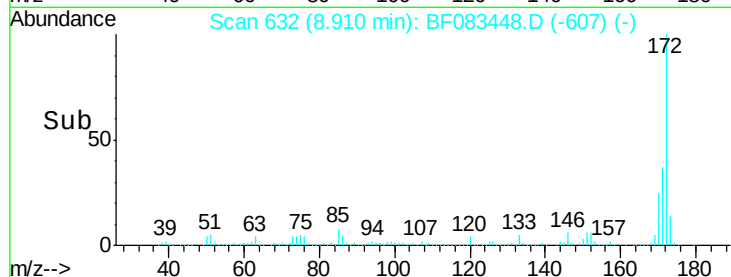
#44
2-Fluorobiphenyl
Concen: 79.93 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion:172 Resp: 1585604
Ion Ratio Lower Upper
172 100
171 37.3 29.4 44.0
170 25.5 20.4 30.6

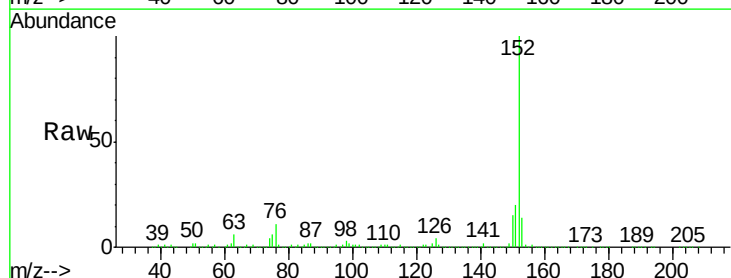


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

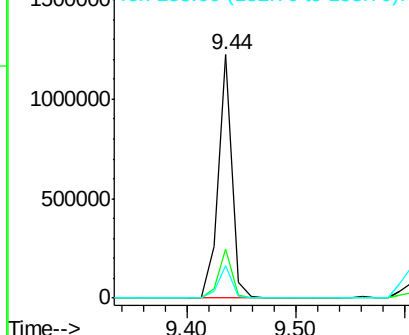
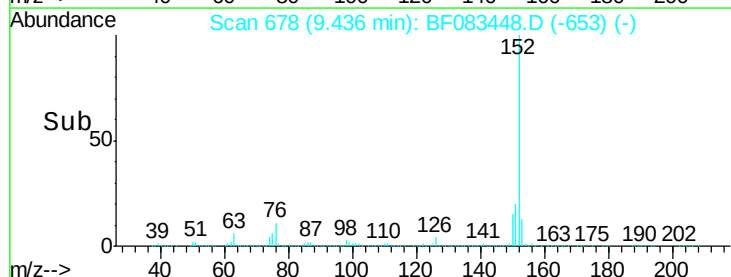


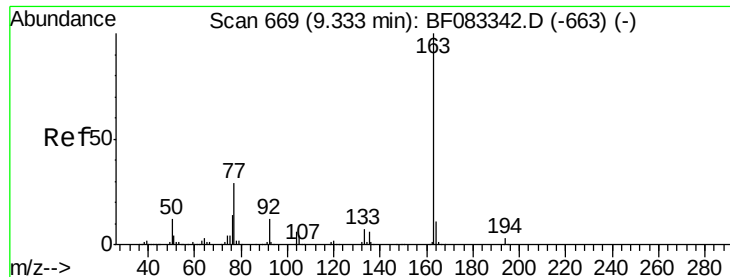
#48
Acenaphthylene
Concen: 36.12 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion:152 Resp: 1088411
Ion Ratio Lower Upper
152 100
151 20.4 16.7 25.1
153 13.6 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

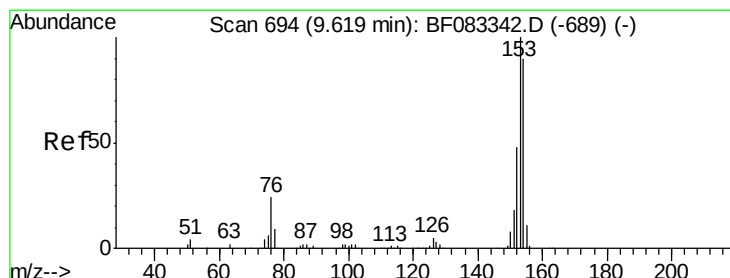
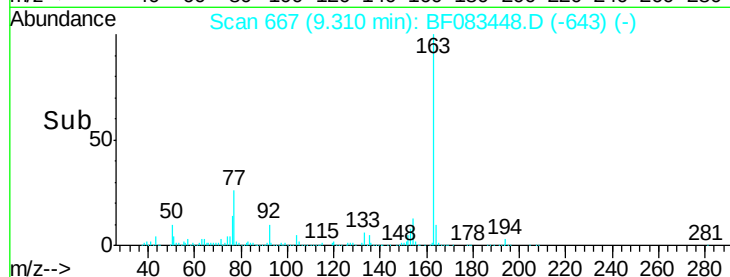
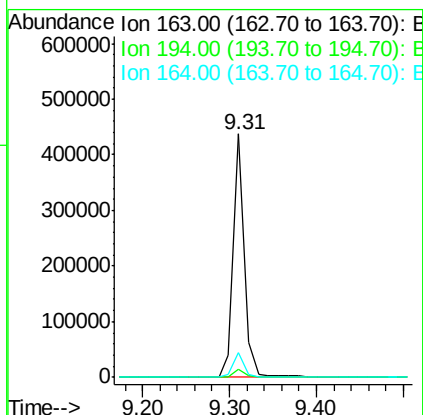
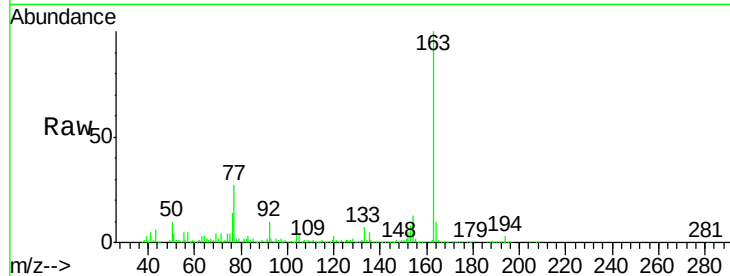




#49
Dimethylphthalate
Concen: 16.35 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

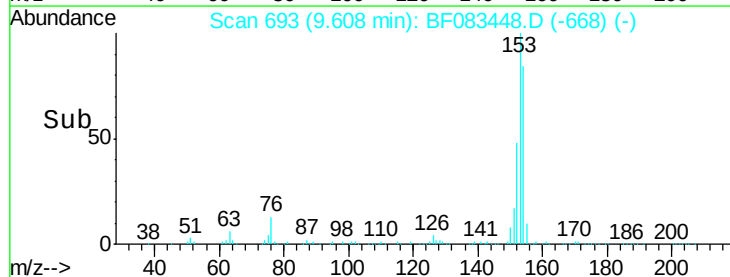
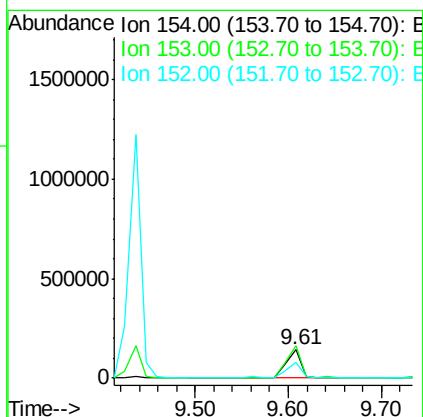
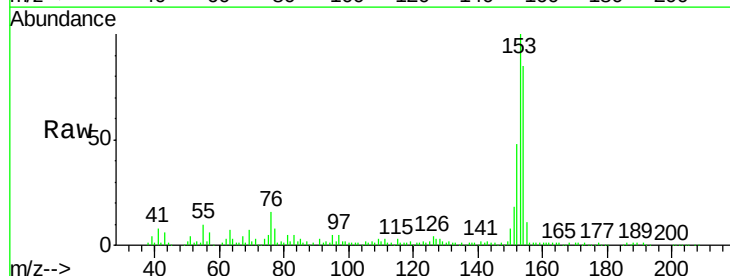
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

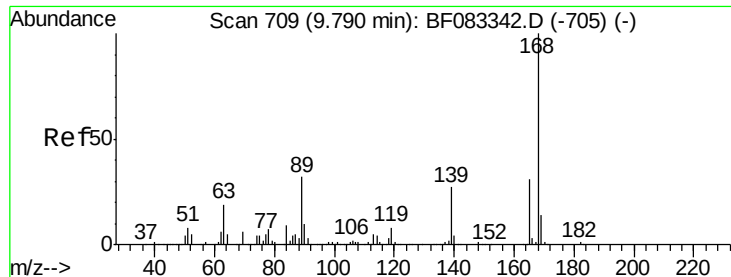
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.2	8.8	13.2



#51
Acenaphthene
Concen: 8.53 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.3	89.3	133.9
152	56.9	42.5	63.7





#54

Dibenzofuran

Concen: 2.63 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

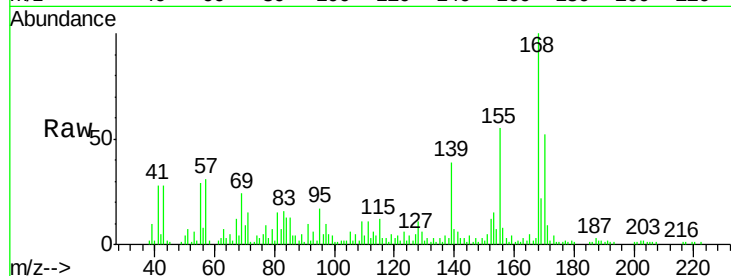
Tot Ion:168 Resp: 68261

Ion Ratio Lower Upper

168 100

139 38.9 32.7 49.1

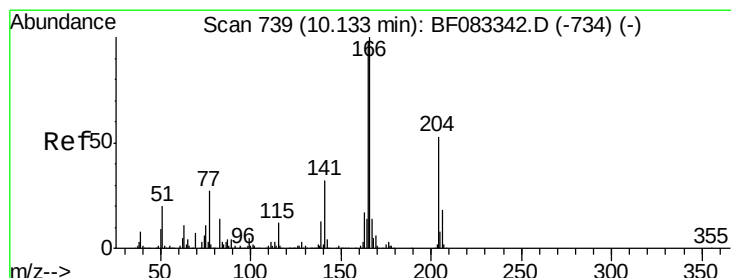
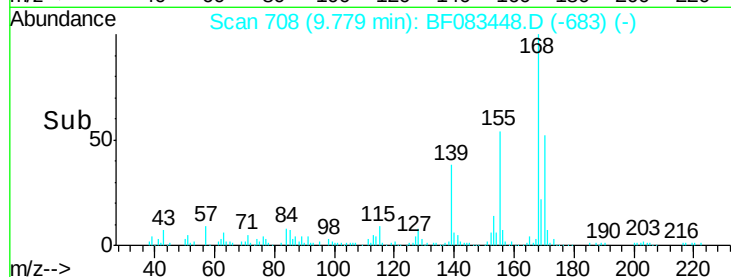
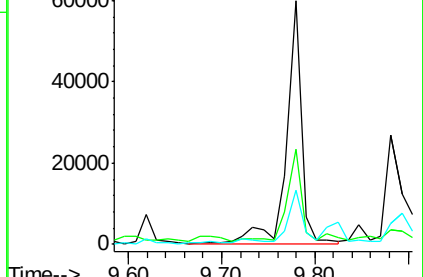
169 22.2 11.1 16.7#



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



#57

Fluorene

Concen: 10.85 ng

RT: 10.12 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

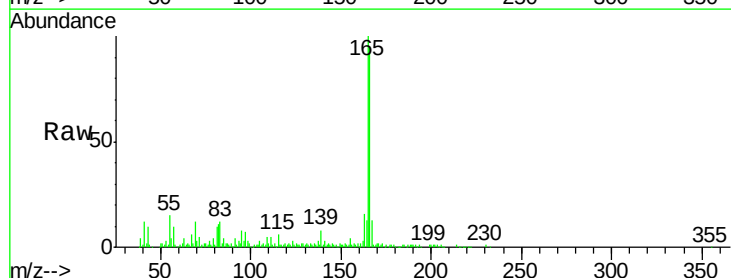
Tgt Ion:166 Resp: 222536

Ion Ratio Lower Upper

166 100

165 105.4 78.3 117.5

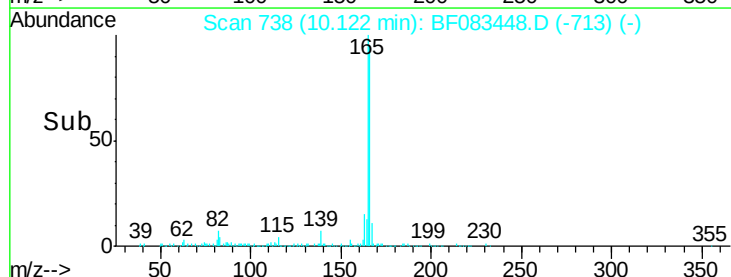
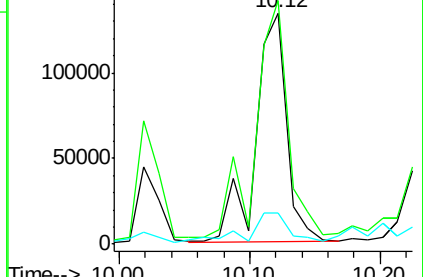
167 13.5 11.1 16.7

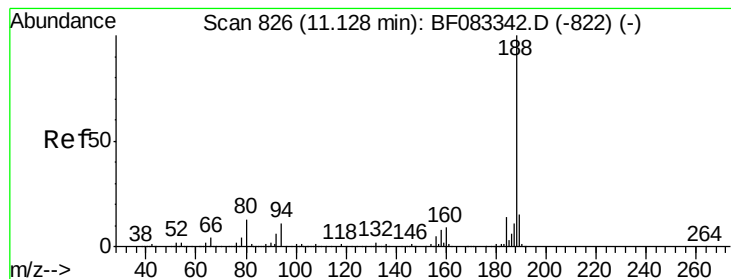


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

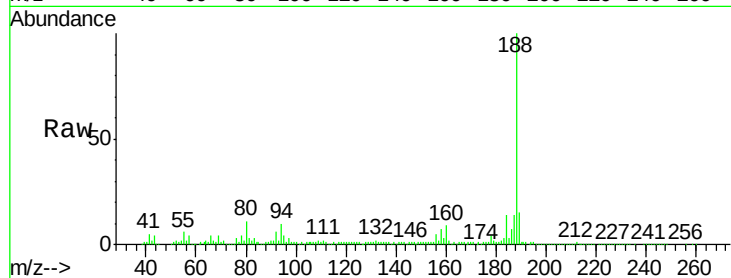
Tot Ion:188 Resp: 441578

Ion Ratio Lower Upper

188 100

94 9.9 8.7 13.1

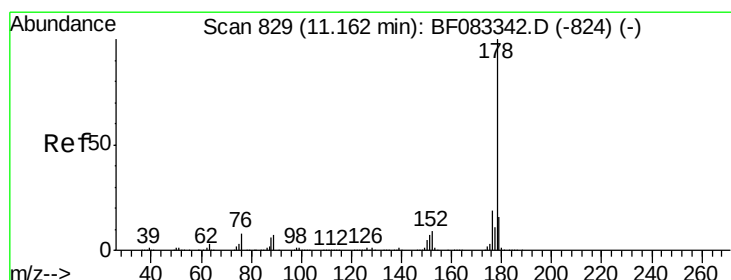
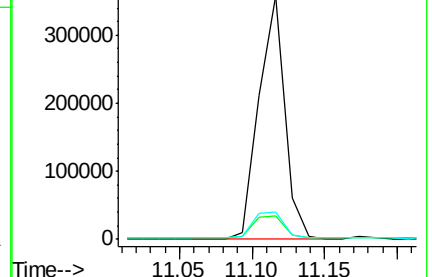
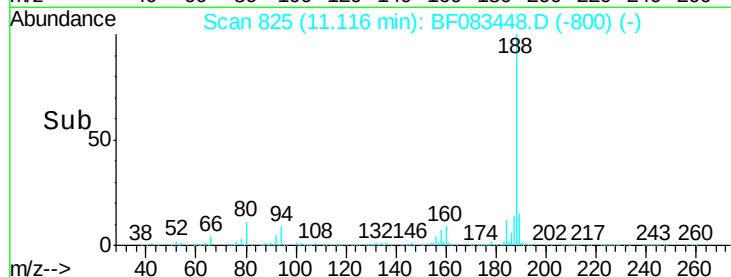
80 11.0 10.3 15.5



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



#70

Phenanthrene

Concen: 82.85 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

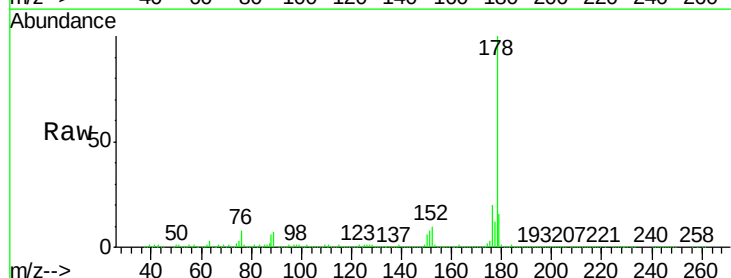
Tgt Ion:178 Resp: 2165046

Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

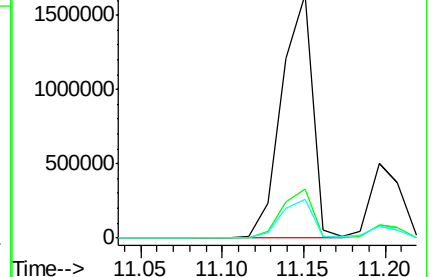
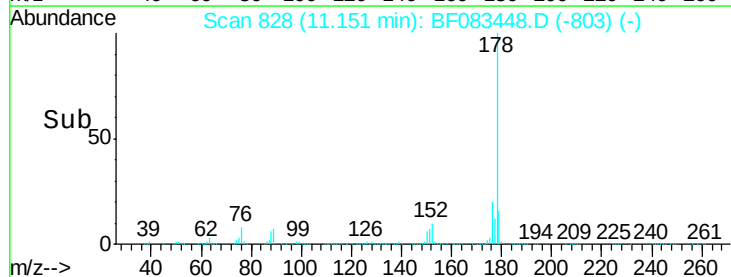
179 16.0 12.4 18.6

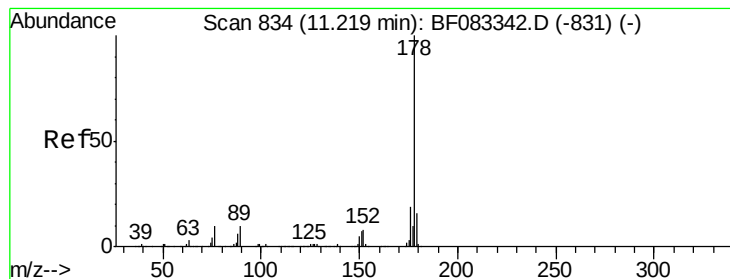


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 24.39 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

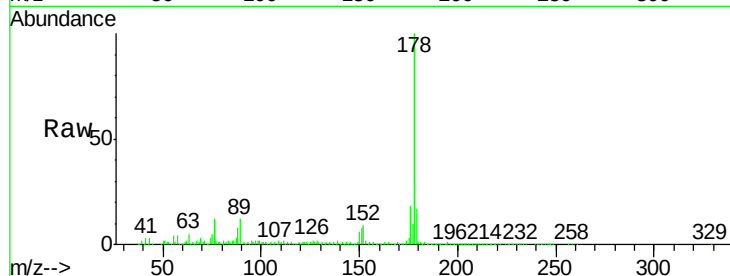
Tot Ion:178 Resp: 641627

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

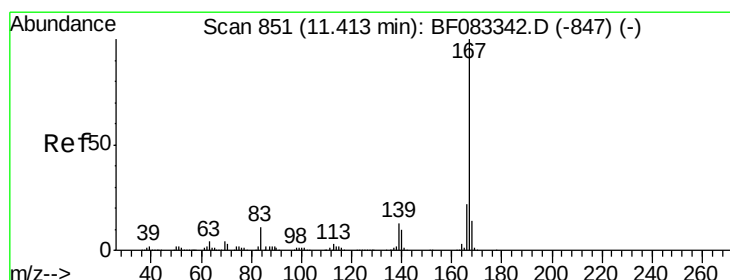
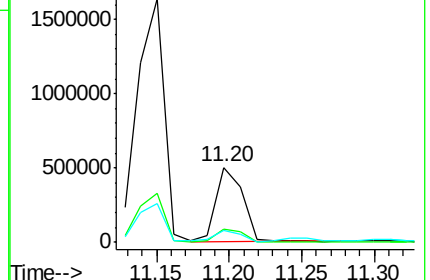
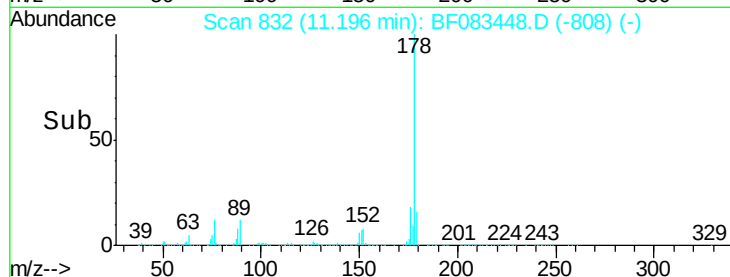
179 16.6 12.8 19.2



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



#72

Carbazole

Concen: 3.24 ng

RT: 11.39 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

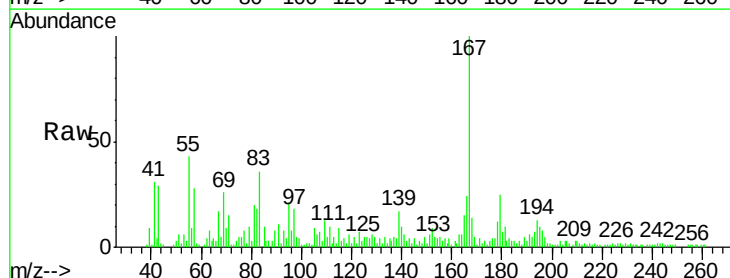
Tgt Ion:167 Resp: 76602

Ion Ratio Lower Upper

167 100

166 23.8 17.4 26.0

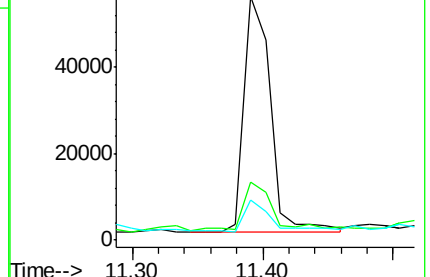
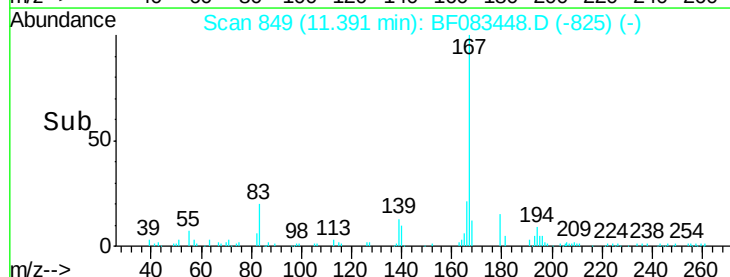
139 16.6 10.5 15.7#

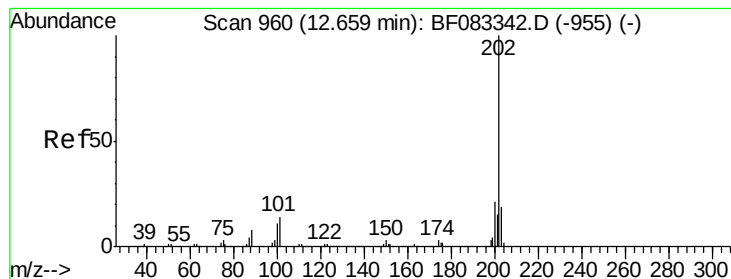


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 102.75 ng

RT: 12.66 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

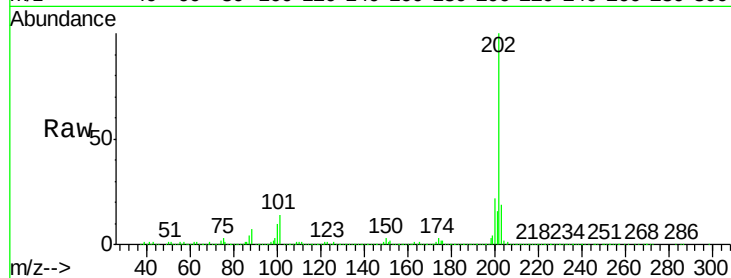
Tot Ion:202 Resp: 2783221

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.5

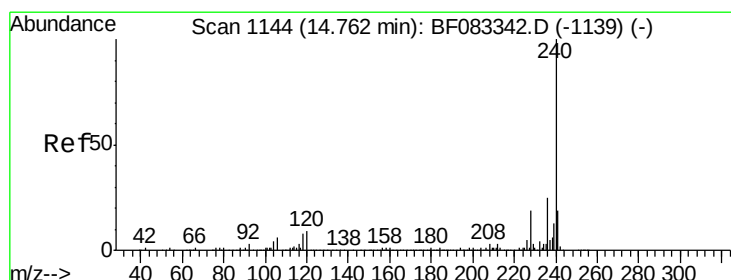
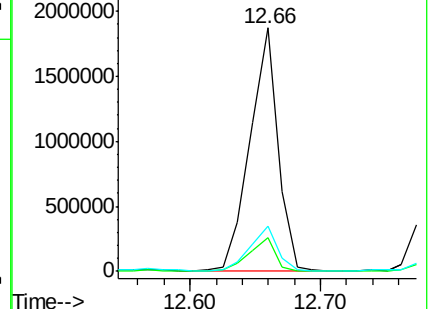
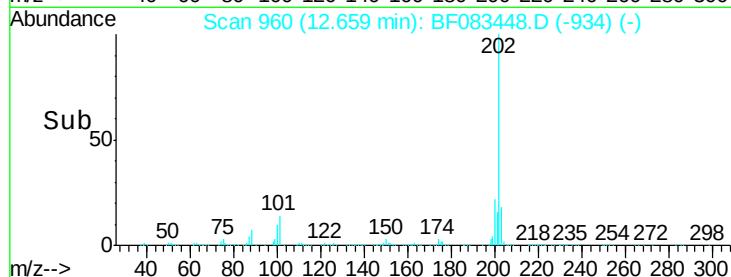
203 18.5 0.0 38.7



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: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

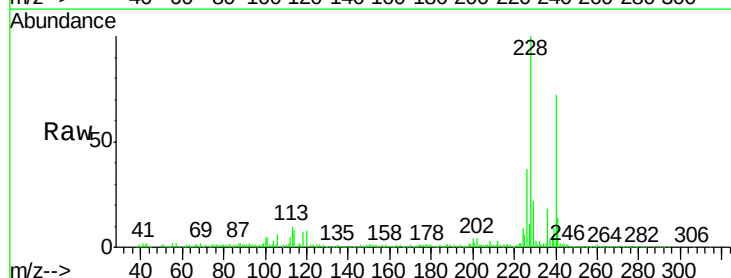
Tgt Ion:240 Resp: 348448

Ion Ratio Lower Upper

240 100

120 10.7 6.9 10.3#

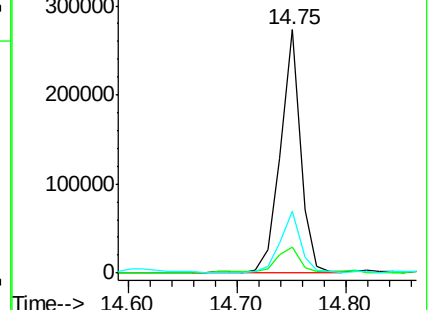
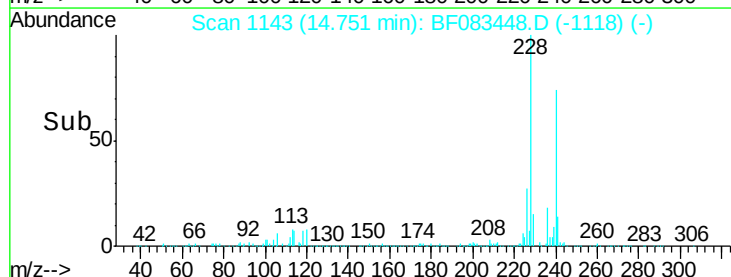
236 25.5 19.8 29.6

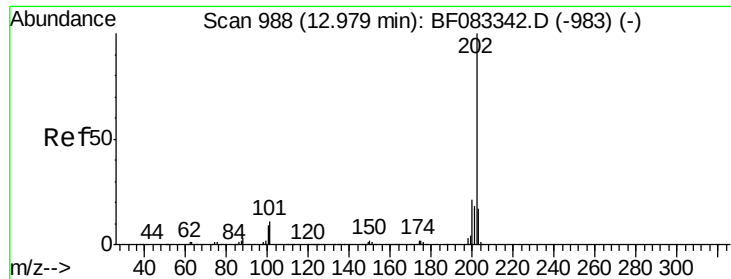


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 160.88 ng

RT: 12.98 min Scan# 988

Delta R.T. -0.00 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

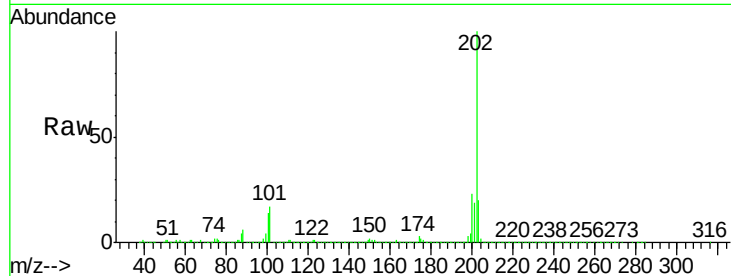
Tot Ion:202 Resp: 3914874

Ion Ratio Lower Upper

202 100

200 23.0 16.9 25.3

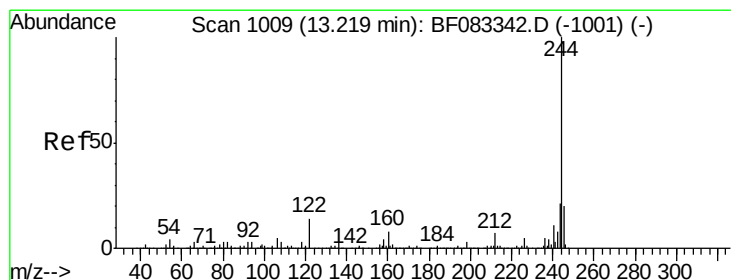
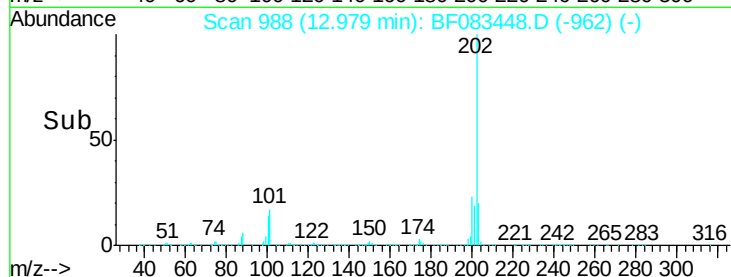
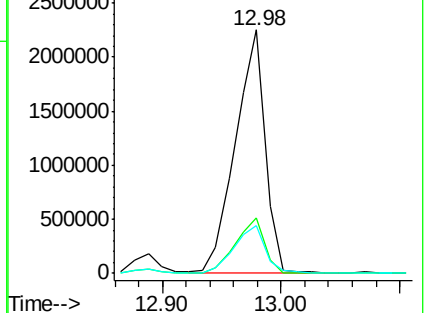
203 19.7 13.9 20.9



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: 77.38 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

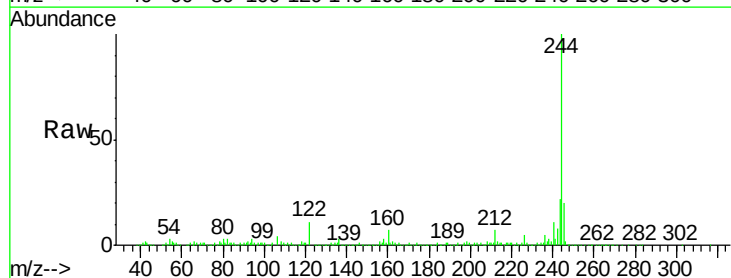
Tgt Ion:244 Resp: 1130656

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

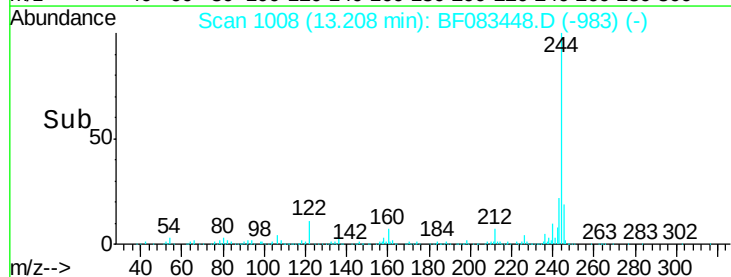
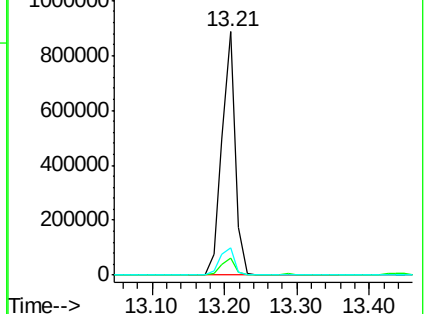
122 11.5 11.0 16.4

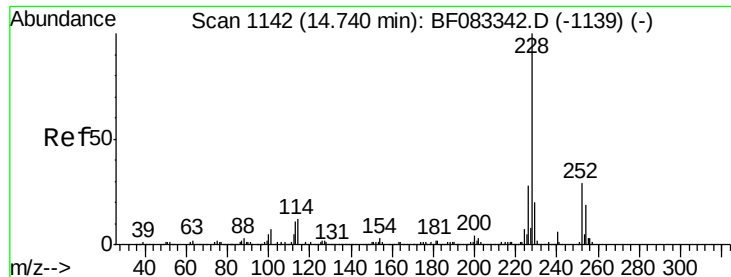


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

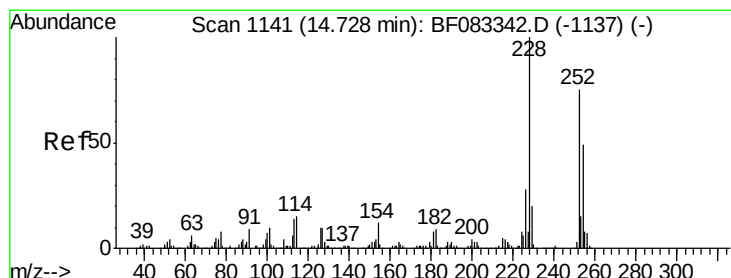
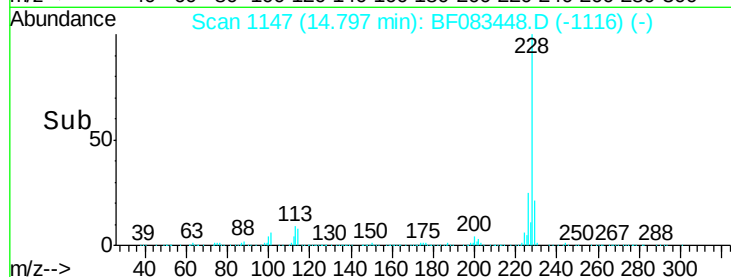
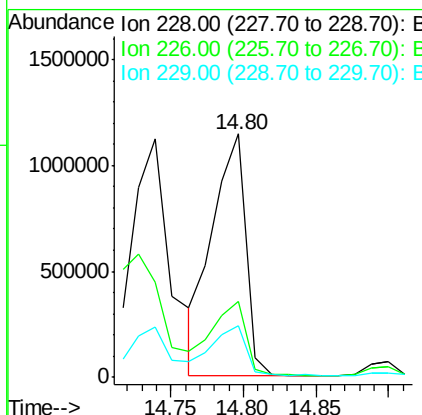
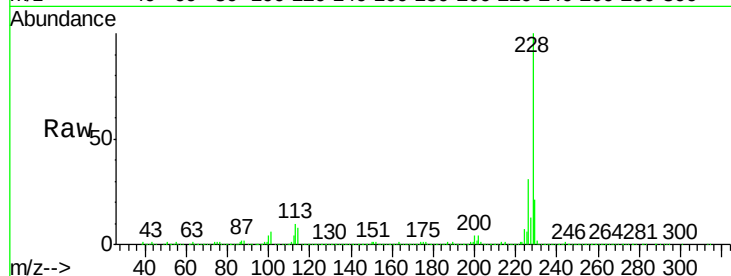




#80
Benzo(a)anthracene
Concen: 86.31 ng
RT: 14.80 min Scan# 1147
Delta R.T. 0.06 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

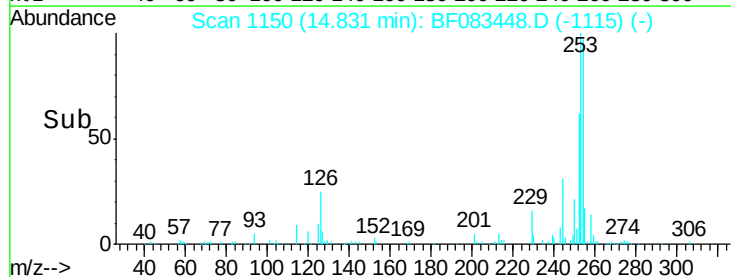
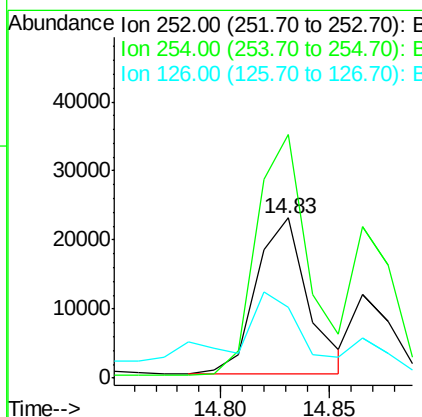
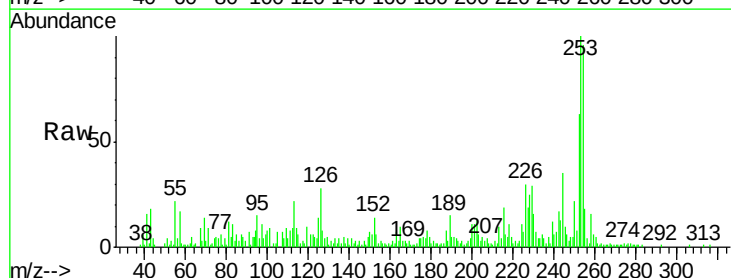
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

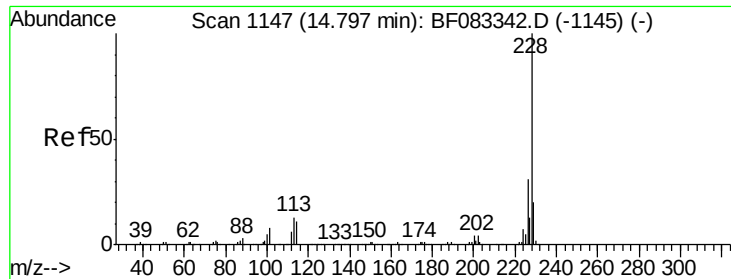
Tot Ion:228 Resp: 1842559
Ion Ratio Lower Upper
228 100
226 31.0 22.2 33.4
229 21.2 16.1 24.1



#81
3,3'-Dichlorobenzidine
Concen: 5.60 ng
RT: 14.83 min Scan# 1150
Delta R.T. 0.10 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion:252 Resp: 37321
Ion Ratio Lower Upper
252 100
254 152.0 52.0 78.0#
126 44.2 10.7 16.1#





#82

Chrysene

Concen: 89.33 ng

RT: 14.80 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

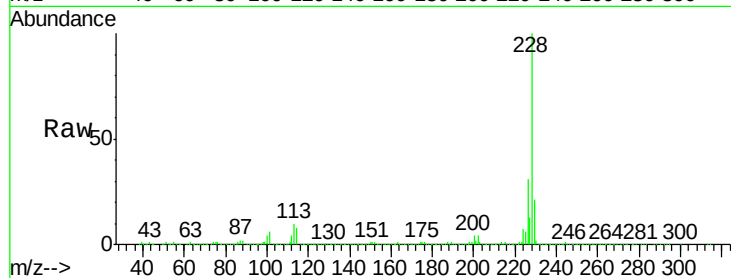
Tot Ion:228 Resp: 1842559

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

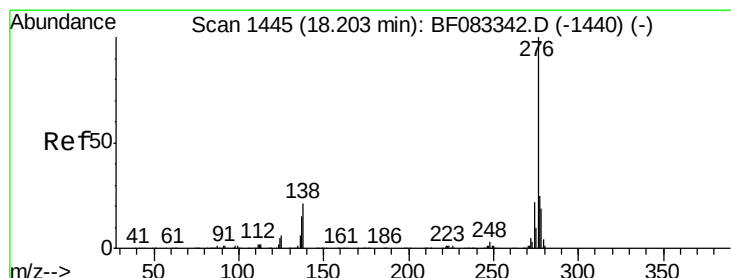
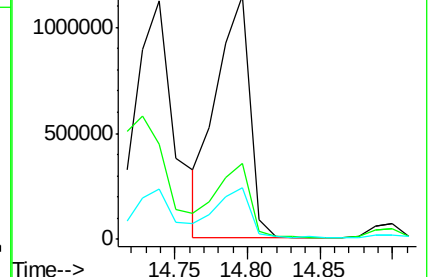
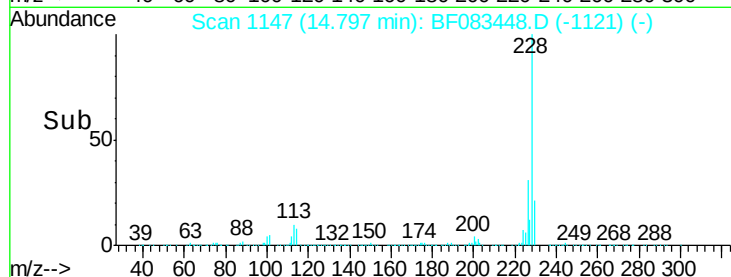
229 21.2 16.2 24.2



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: 26.79 ng

RT: 18.05 min Scan# 1432

Delta R.T. -0.15 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

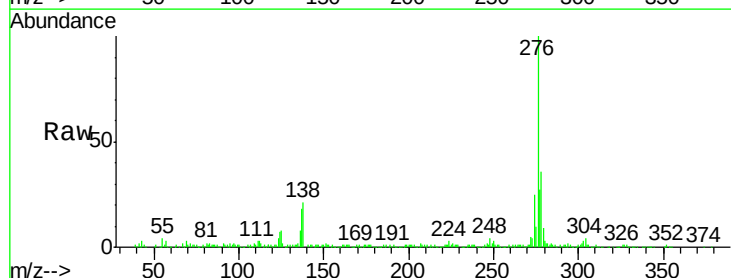
Tgt Ion:276 Resp: 402399

Ion Ratio Lower Upper

276 100

138 21.4 21.2 31.8

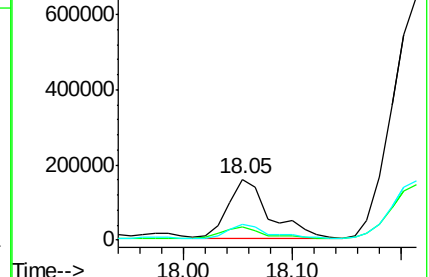
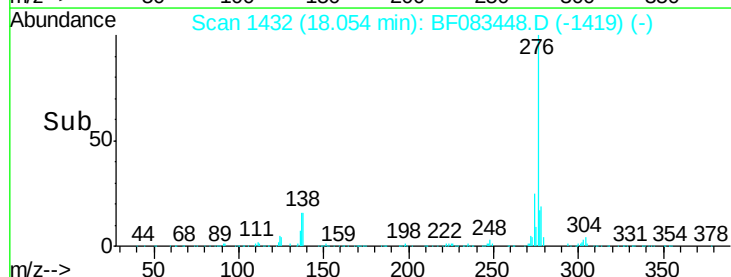
277 25.2 20.0 30.0

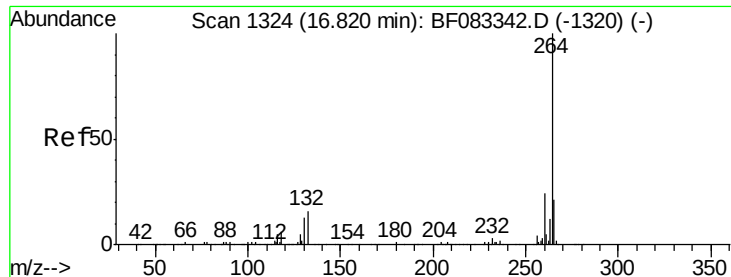


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.82 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

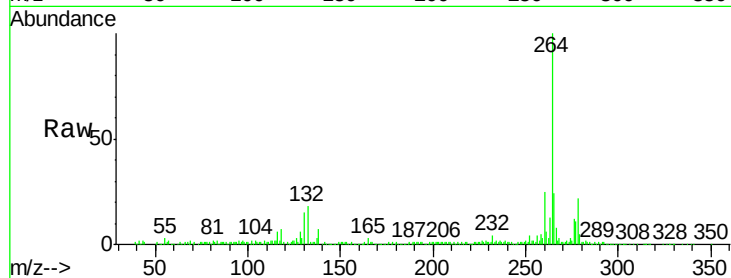
Tot Ion:264 Resp: 320274

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	24.2	16.8	25.2

264 100

260 24.5 19.0 28.4

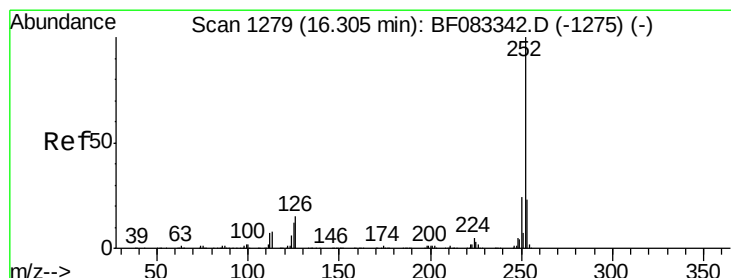
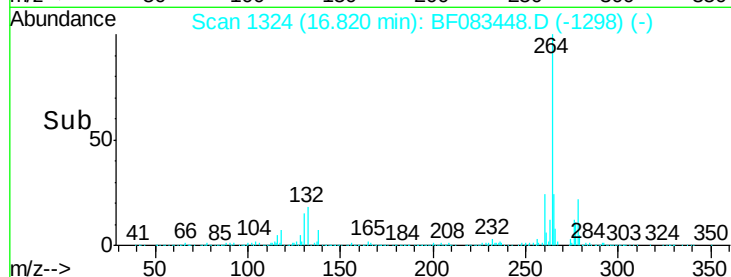
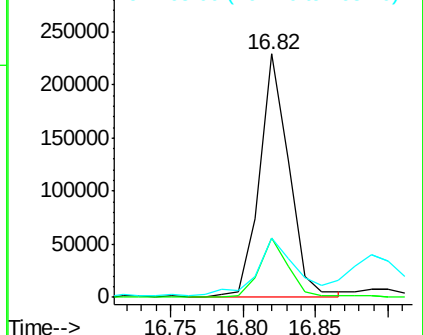
265 24.2 16.8 25.2



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: 173.04 ng

RT: 16.32 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

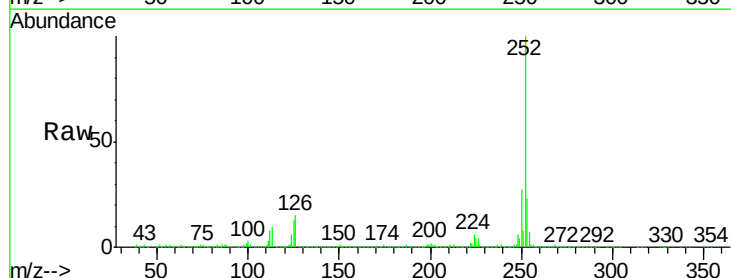
Tgt Ion:252 Resp: 3556129

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	13.1	9.6	14.4

252 100

253 23.3 18.4 27.6

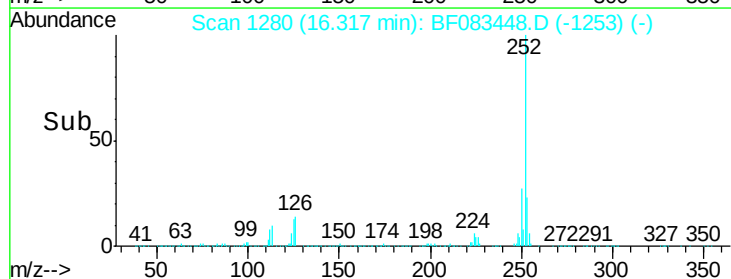
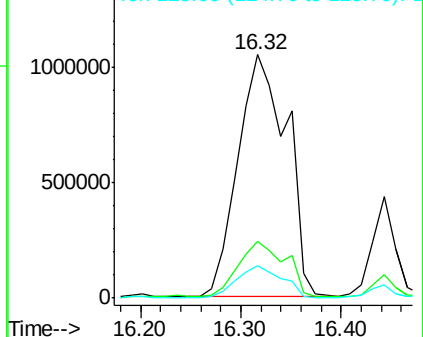
125 13.1 9.6 14.4

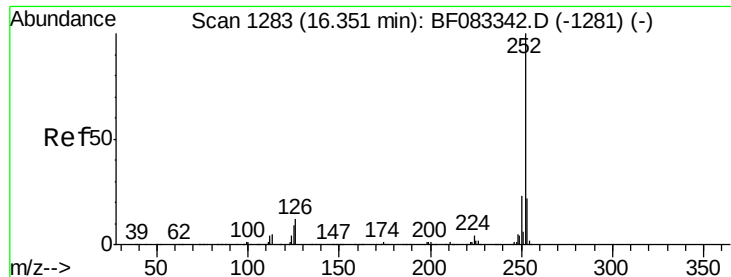


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

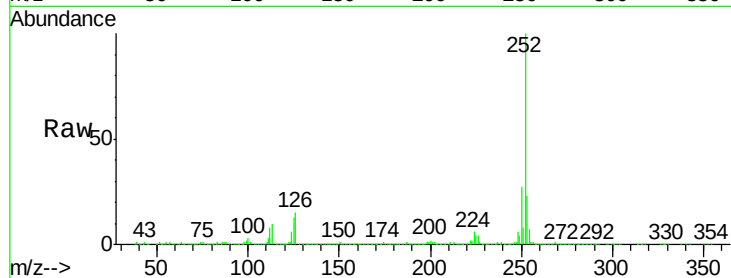




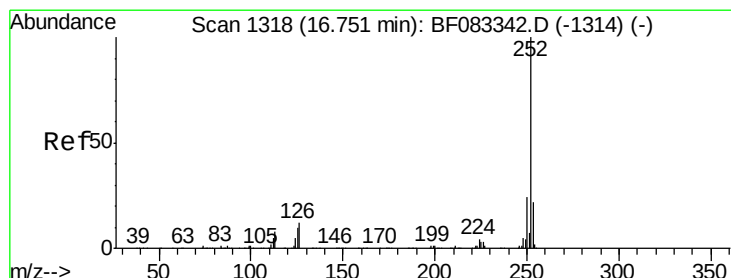
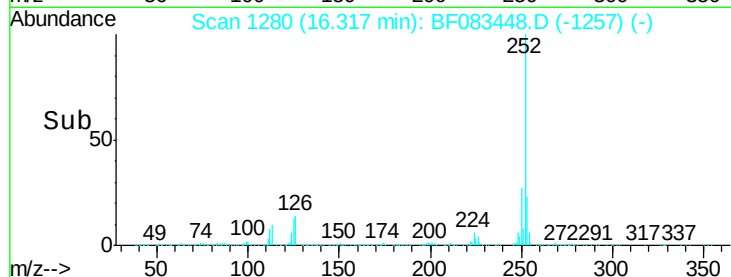
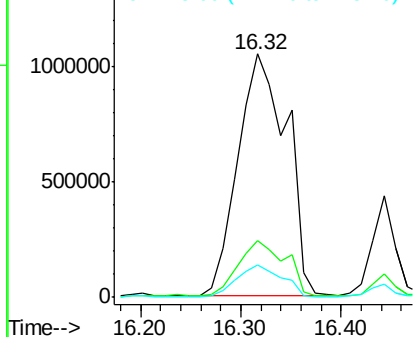
#88
Benzo(k)fluoranthene
Concen: 183.26 ng
RT: 16.32 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion:252 Resp: 3556129
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 13.1 7.5 11.3#

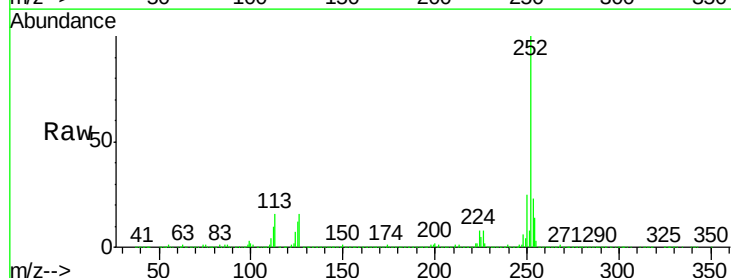


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

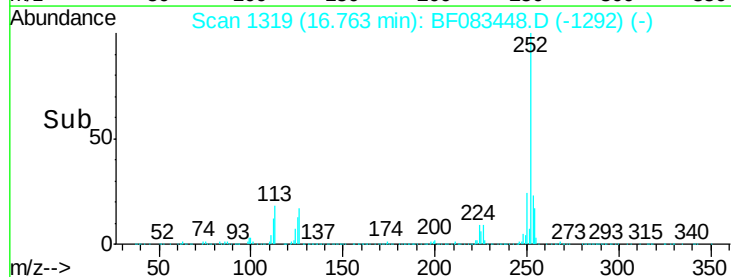
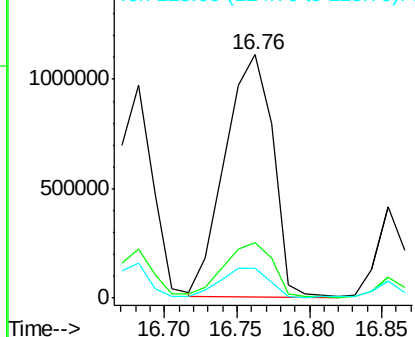


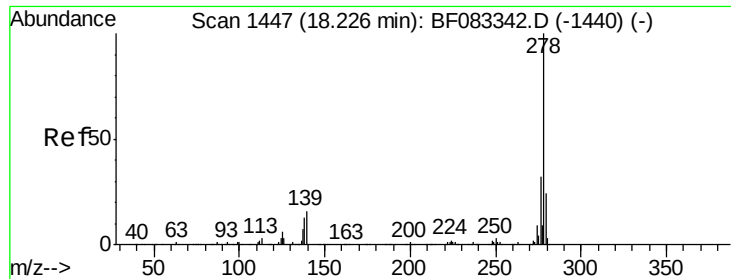
#89
Benzo(a)pyrene
Concen: 144.01 ng
RT: 16.76 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF083448.D
Acq: 3 Dec 2015 7:24

Tgt Ion:252 Resp: 2541846
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 12.5 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: 16.38 ng

RT: 18.35 min Scan# 1458

Delta R.T. 0.13 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

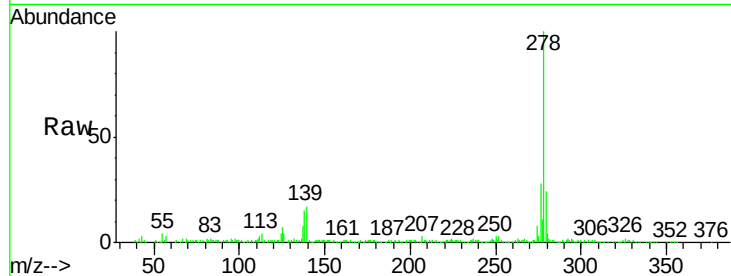
Tot Ion:278 Resp: 251979

Ion Ratio Lower Upper

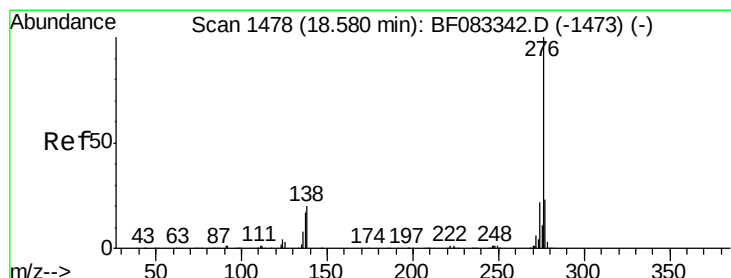
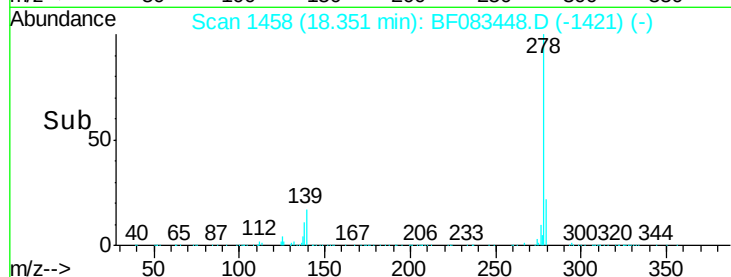
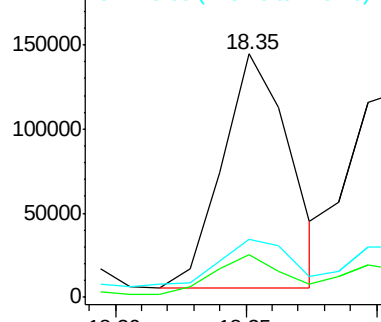
278 100

139 17.4 13.1 19.7

279 23.7 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: 115.15 ng

RT: 18.60 min Scan# 1480

Delta R.T. 0.02 min

Lab File: BF083448.D

Acq: 3 Dec 2015 7:24

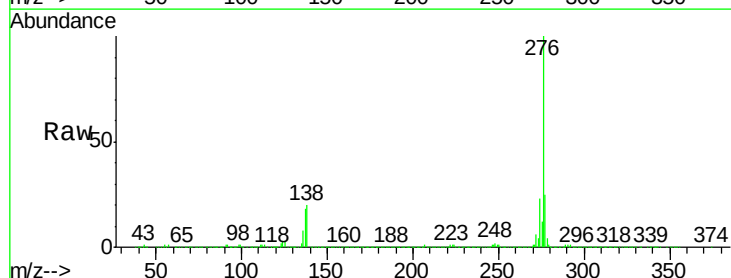
Tgt Ion:276 Resp: 1738123

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 20.2 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

