

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083441.D
 Acq On : 3 Dec 2015 3:50
 Operator : UM/IZ
 Sample : G4583-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(0-4)

Quant Time: Dec 03 06:47:45 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	636862	20.00	ng	0.15
21) Naphthalene-d8	7.84	136	475751	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	234366	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	412725	20.00	ng	0.00
75) Chrysene-d12	14.74	240	310734	20.00	ng	-0.02
86) Perylene-d12	16.81	264	323199	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	1390548	32.76	ng	0.00
7) Phenol-d6	6.21	99	1828670	31.48	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1256268	116.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	323533	137.52	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1829741	111.26	ng	0.00
78) Terphenyl-d14	13.22	244	1495216	114.76	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.21	77	15024	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.17	70	94053	2.27 ng	#	56
22) Acetophenone	6.94	105	68692	4.83 ng	#	49
24) Nitrobenzene	7.09	77	35125	3.04 ng	#	28
25) Isophorone	7.36	82	64199	3.06 ng	#	1
31) Naphthalene	7.87	128	7389703	286.27 ng	#	91
33) 4-Chloroaniline	7.87	127	1207589	108.52 ng	#	34
35) Caprolactam	8.28	113	127522	53.06 ng	#	1
37) 2-Methylnaphthalene	8.56	142	1284690	74.47 ng		99
45) 1,1'-Biphenyl	9.01	154	380020	18.49 ng		98
47) 2-Nitroaniline	9.17	65	18152	2.93 ng	#	41
48) Acenaphthylene	9.45	152	513202	20.54 ng	#	92
49) Dimethylphthalate	9.31	163	101044	5.31 ng	#	84
50) 2,6-Dinitrotoluene	9.36	165	13611	3.35 ng	#	47
51) Acenaphthene	9.62	154	865437	58.90 ng		99
52) 3-Nitroaniline	9.57	138	11916	2.50 ng	#	37
53) 2,4-Dinitrophenol	9.58	184	3911	3.14 ng	#	1
54) Dibenzofuran	9.79	168	233826	10.86 ng	#	76
55) 4-Nitrophenol	9.70	139	35378	11.86 ng	#	8
56) 2,4-Dinitrotoluene	9.79	165	20815	4.03 ng	#	55
57) Fluorene	10.13	166	816742	48.03 ng		98
61) 4-Nitroaniline	10.13	138	16158	3.39 ng		98
65) n-Nitrosodiphenylamine	10.25	169	158258	10.91 ng	#	58
70) Phenanthrene	11.16	178	3387050	138.67 ng		94
71) Anthracene	11.22	178	1108009	45.06 ng		98
72) Carbazole	11.40	167	110531	5.00 ng	#	78
74) Fluoranthene	12.66	202	1703587	67.29 ng		99
77) Pyrene	12.98	202	2238577	103.16 ng		98
80) Benzo(a)anthracene	14.77	228	568664	29.87 ng		93
82) Chrysene	14.77	228	571328	31.06 ng		97
85) Indeno(1,2,3-cd)pyrene	18.18	276	254957	19.03 ng		95
87) Benzo(b)fluoranthene	16.29	252	683794	32.97 ng		97
88) Benzo(k)fluoranthene	16.29	252	683794	34.92 ng	#	97
89) Benzo(a)pyrene	16.73	252	510466	28.66 ng	#	95

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083441.D
Acq On : 3 Dec 2015 3:50
Operator : UM/IZ
Sample : G4583-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(0-4)

Quant Time: Dec 03 06:47:45 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

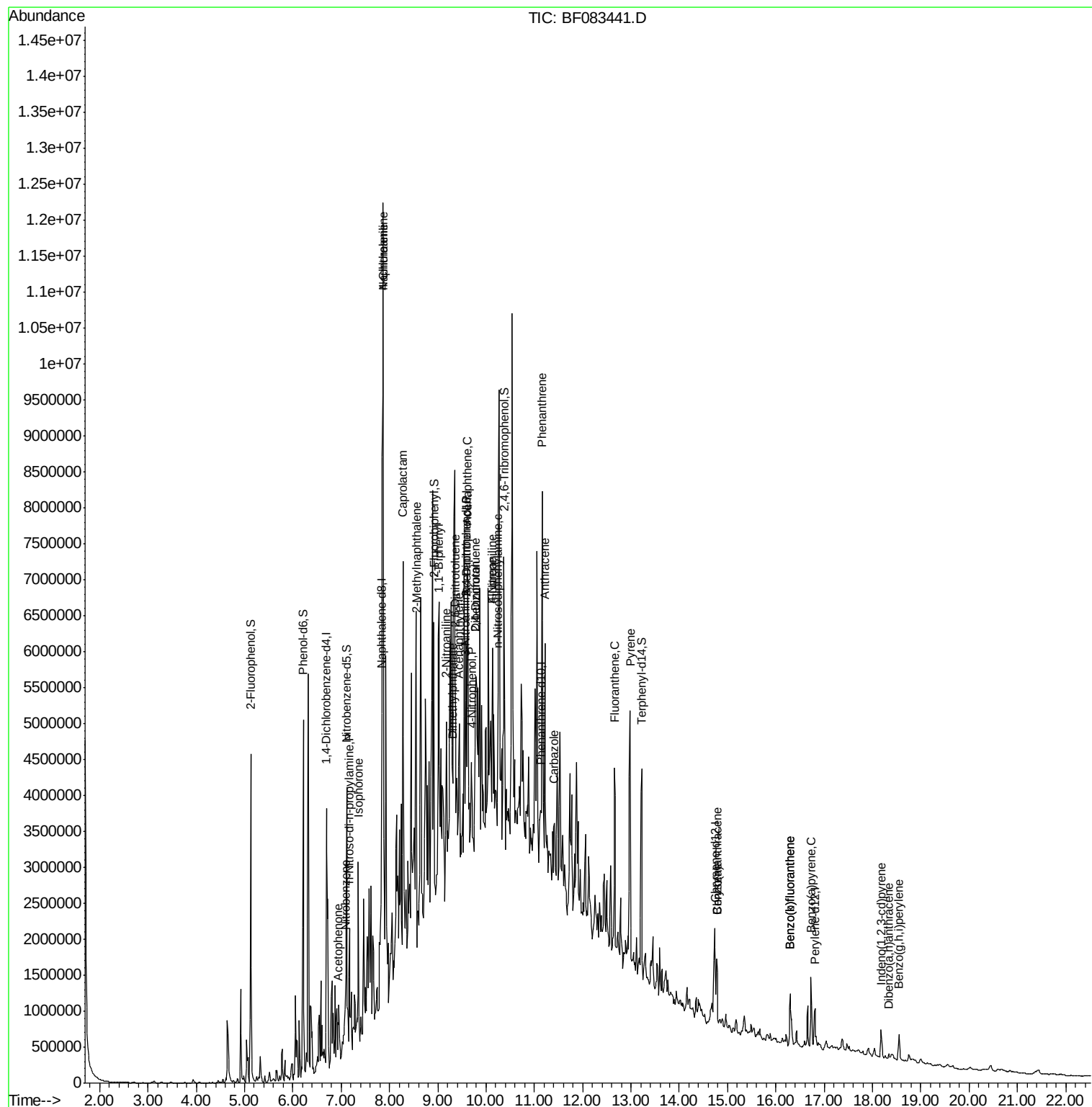
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	18.34	278	50807	3.27	ng	95
91) Benzo(g,h,i)perylene	18.55	276	286769	18.83	ng #	96

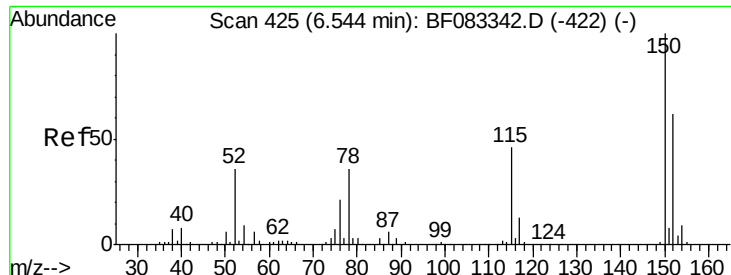
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083441.D
Acq On : 3 Dec 2015 3:50
Operator : UM/IZ
Sample : G4583-02
Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(0-4)

Quant Time: Dec 03 06:47:45 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 438

Delta R.T. 0.15 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

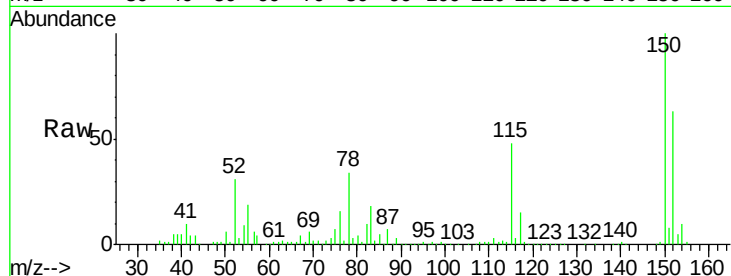
Tgt Ion:152 Resp: 636862

Ion Ratio Lower Upper

152 100

150 159.8 129.8 194.8

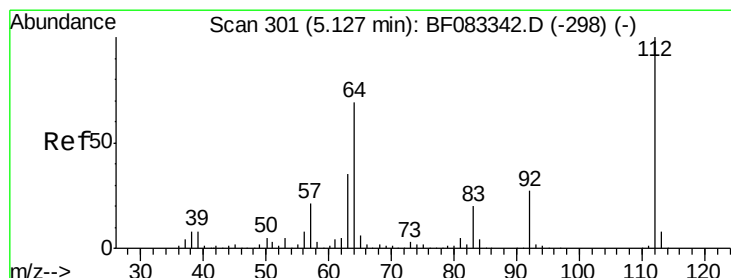
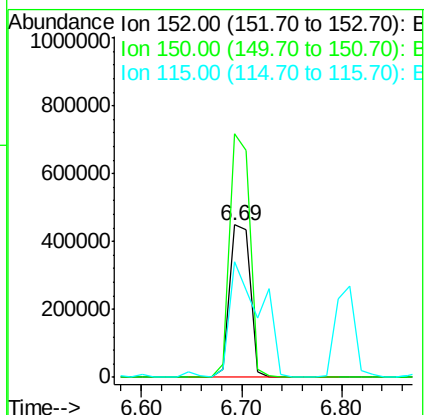
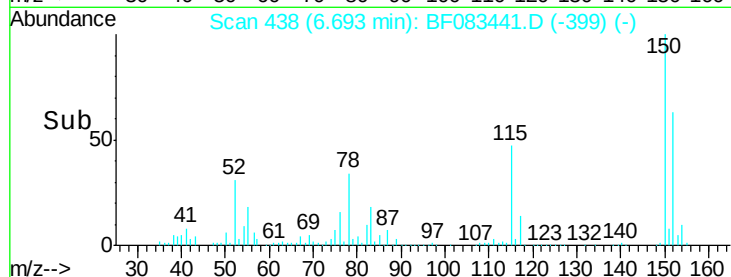
115 76.0 59.2 88.8



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: 32.76 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

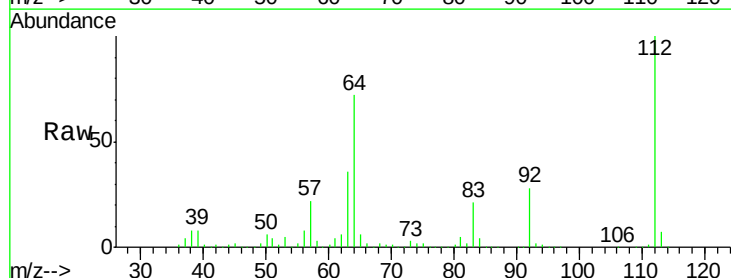
Tgt Ion:112 Resp: 1390548

Ion Ratio Lower Upper

112 100

64 71.8 55.6 83.4

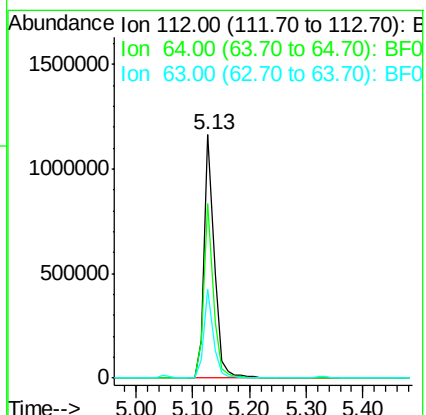
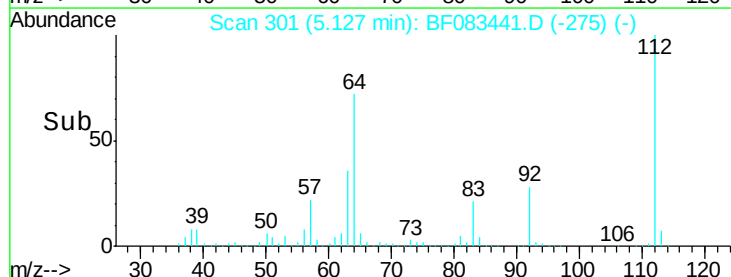
63 36.4 28.2 42.2

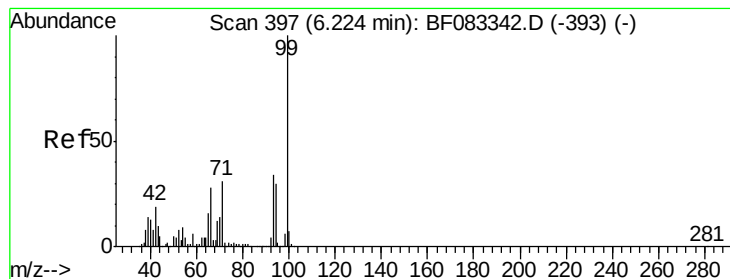


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.48 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

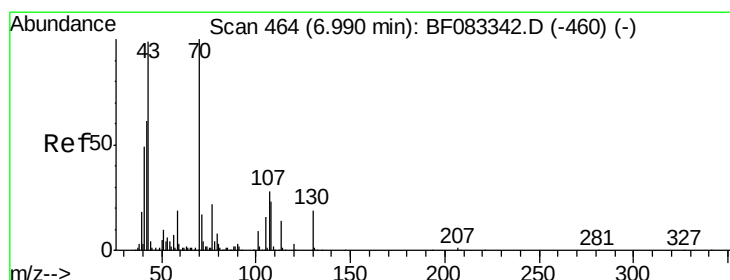
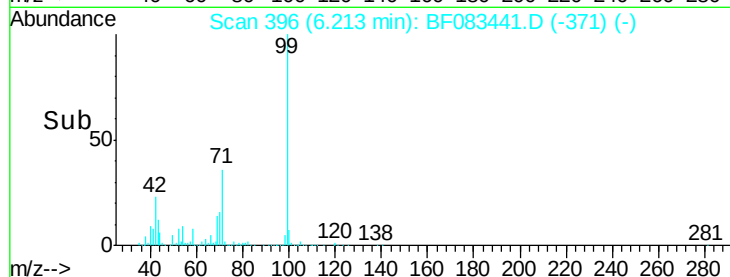
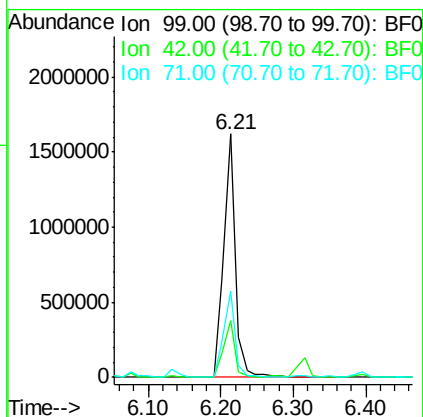
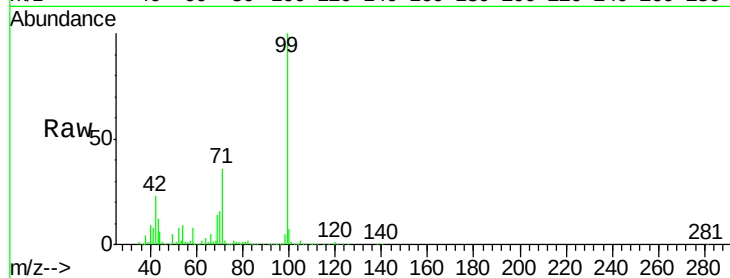
Tgt Ion: 99 Resp: 1828670

Ion Ratio Lower Upper

99 100

42 23.1 14.9 22.3#

71 35.6 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.27 ng

RT: 7.17 min Scan# 480

Delta R.T. 0.18 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Tgt Ion: 70 Resp: 94053

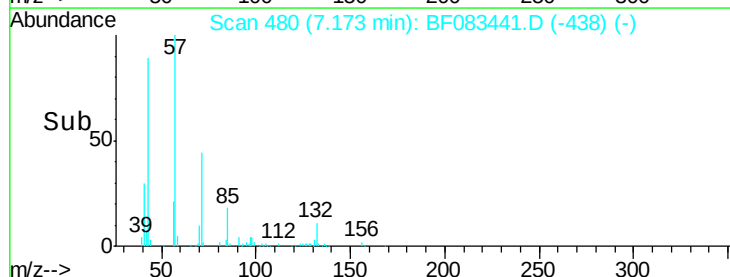
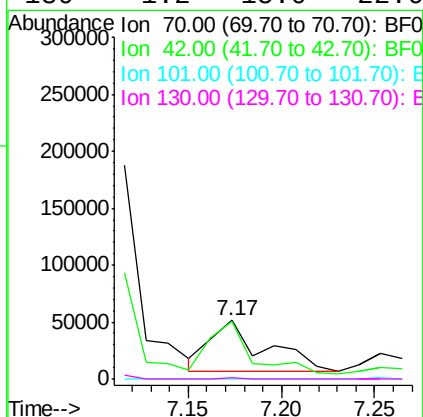
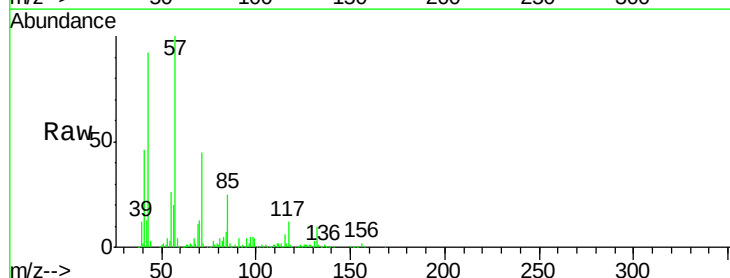
Ion Ratio Lower Upper

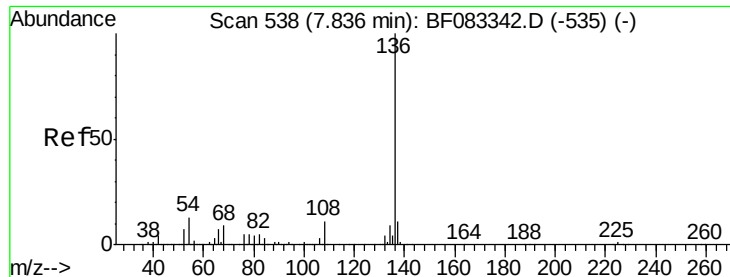
70 100

42 98.0 48.8 73.2#

101 0.0 7.1 10.7#

130 1.2 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: BF083441.D

Acq: 3 Dec 2015 3:50

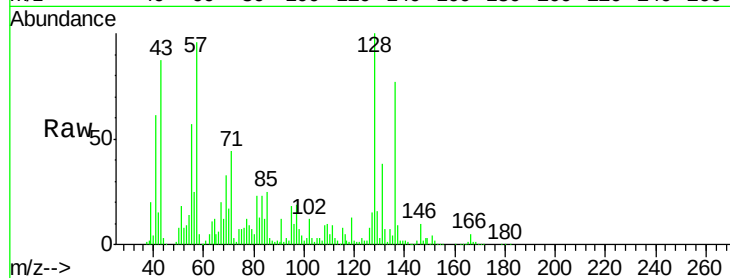
Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

Tgt Ion:	136	Resp:	475751
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.0	13.4
54	17.8	10.1	15.1#
68	15.1	7.1	10.7#

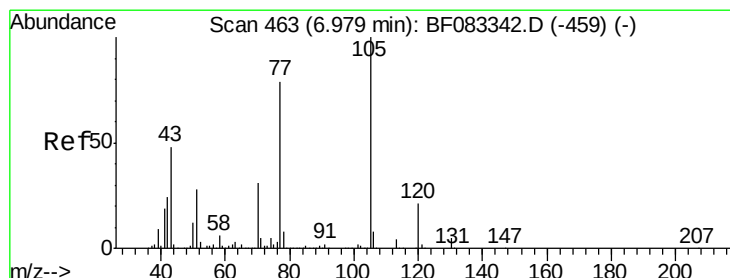
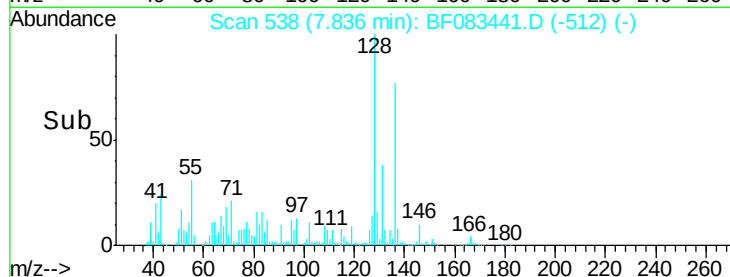
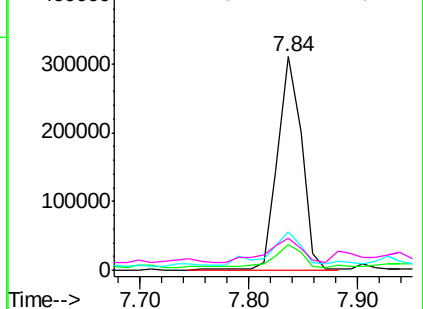


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 4.83 ng

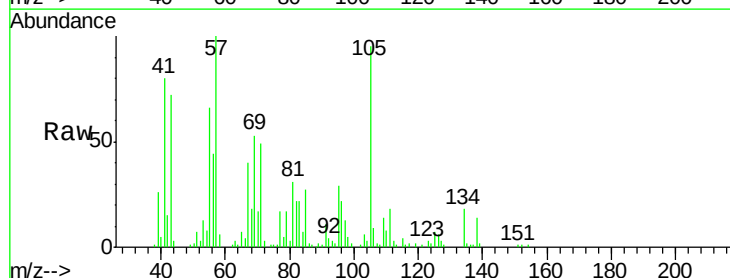
RT: 6.94 min Scan# 460

Delta R.T. -0.03 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Tgt Ion:	105	Resp:	68692
Ion Ratio	Lower	Upper	
105	100		
71	52.1	4.3	6.5#
51	7.6	22.9	34.3#
120	0.0	16.7	25.1#

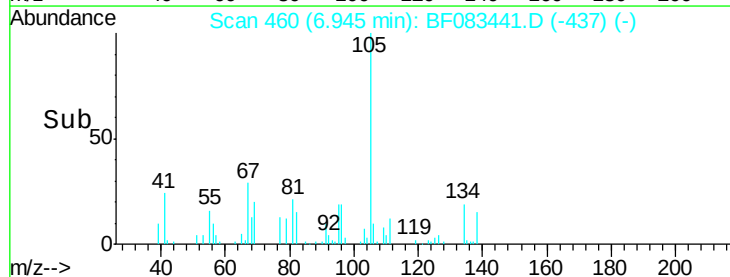
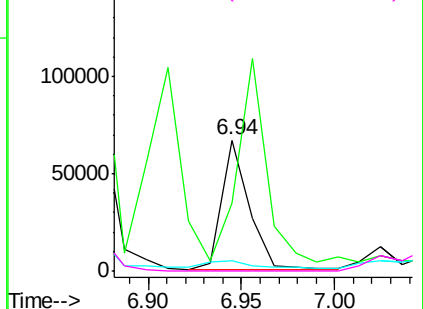


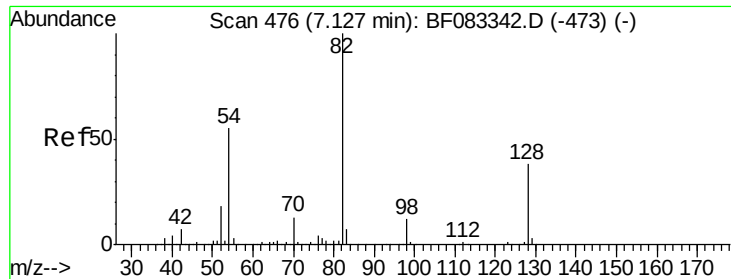
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

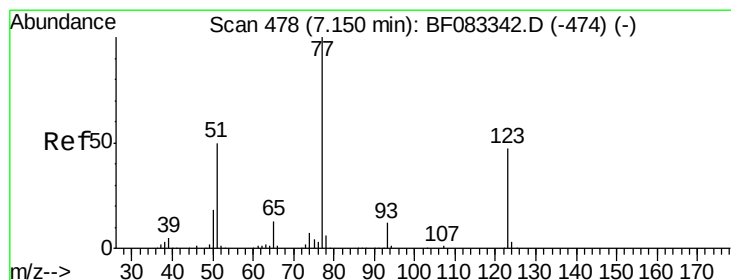
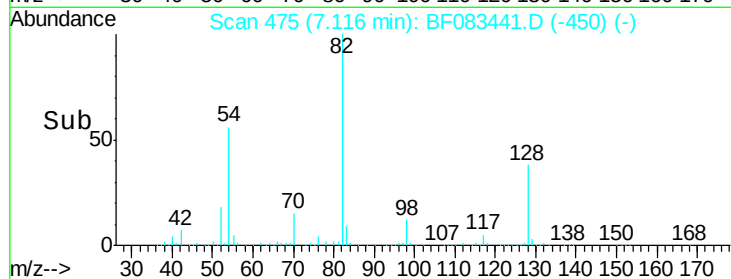
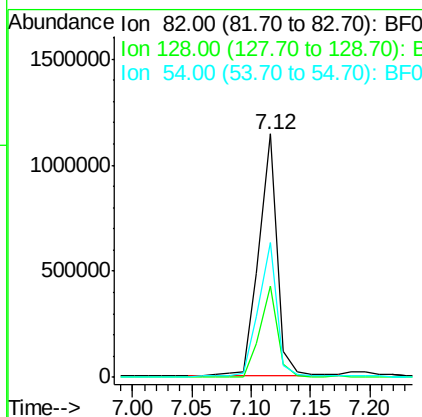
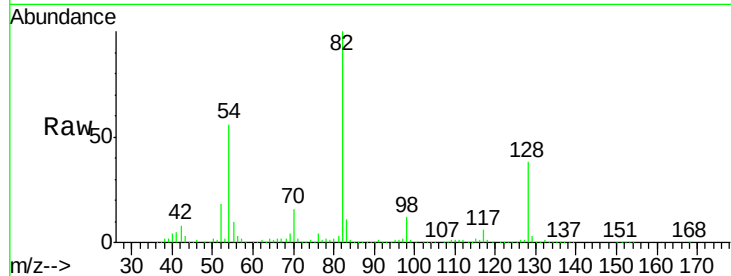




#23
 Nitrobenzene-d5
 Concen: 116.08 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

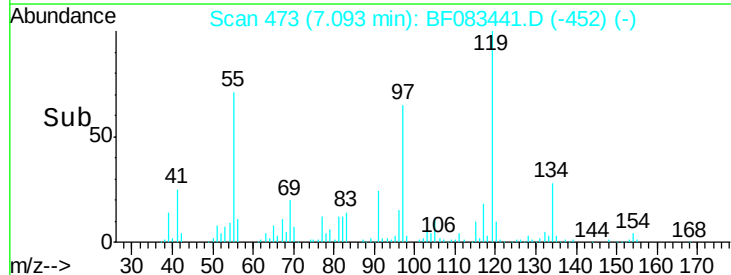
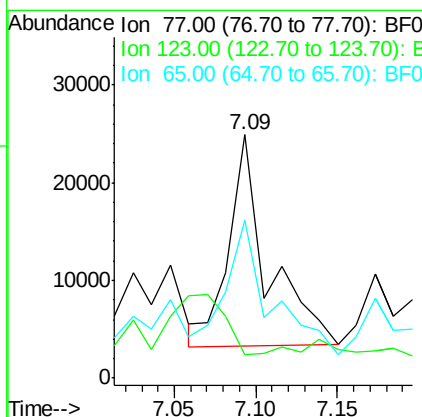
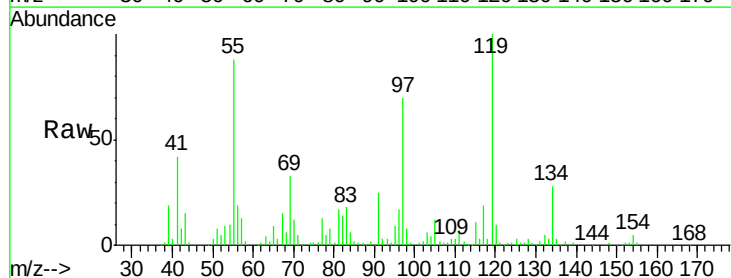
Instrument :
 BNA_F
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 SB-P3WC-02(0-4)

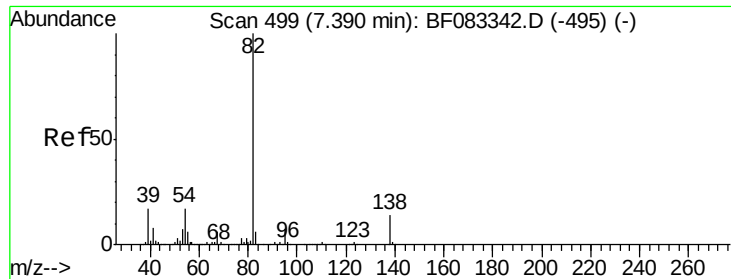
Tgt Ion: 82 Resp: 1256268
 Ion Ratio Lower Upper
 82 100
 128 37.6 30.6 46.0
 54 55.6 43.8 65.6



#24
 Nitrobenzene
 Concen: 3.04 ng
 RT: 7.09 min Scan# 473
 Delta R.T. -0.06 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Tgt Ion: 77 Resp: 35125
 Ion Ratio Lower Upper
 77 100
 123 9.6 37.4 56.0#
 65 65.0 10.6 15.8#





#25

Isophorone

Concen: 3.06 ng

RT: 7.36 min Scan# 496

Delta R.T. -0.03 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

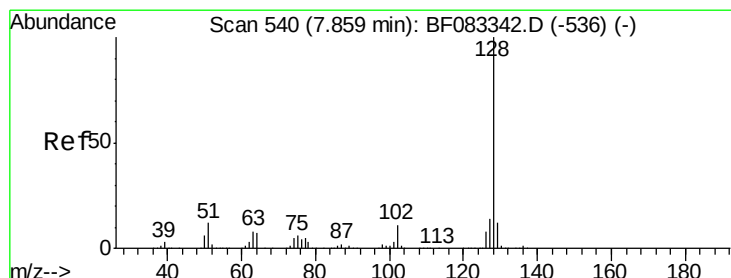
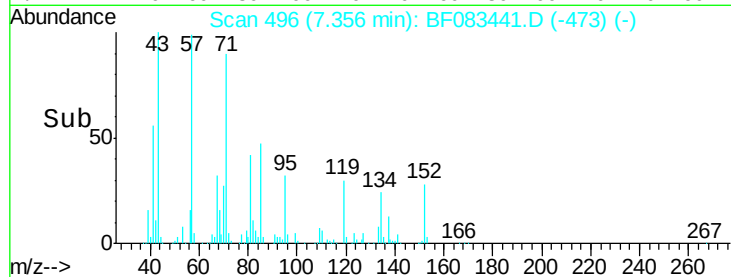
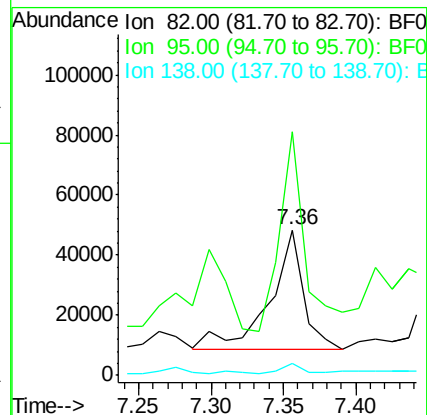
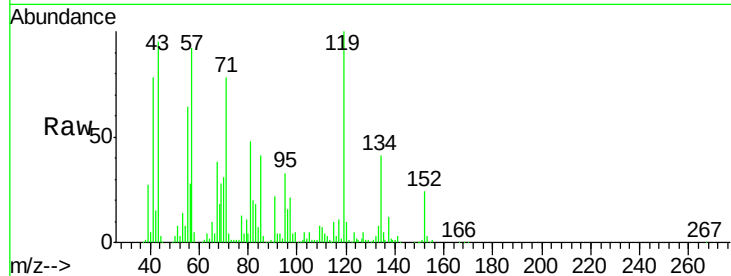
Tgt Ion: 82 Resp: 64199

Ion Ratio Lower Upper

82 100

95 167.2 5.3 7.9#

138 8.1 11.6 17.4#



#31

Naphthalene

Concen: 286.27 ng

RT: 7.87 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

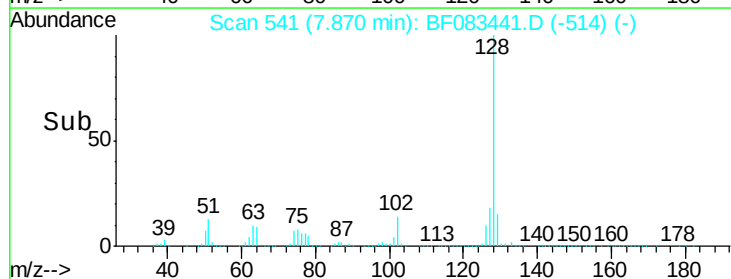
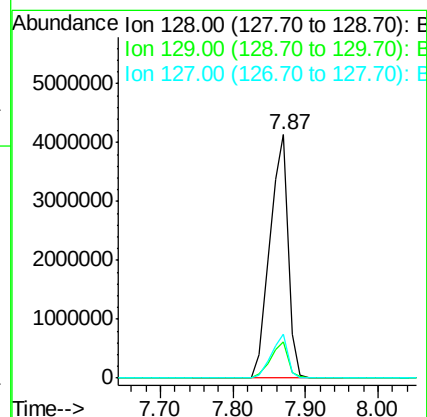
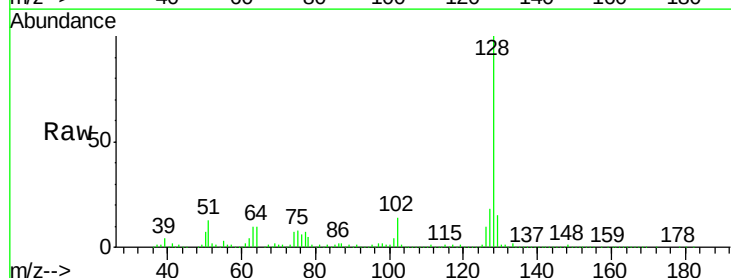
Tgt Ion: 128 Resp: 7389703

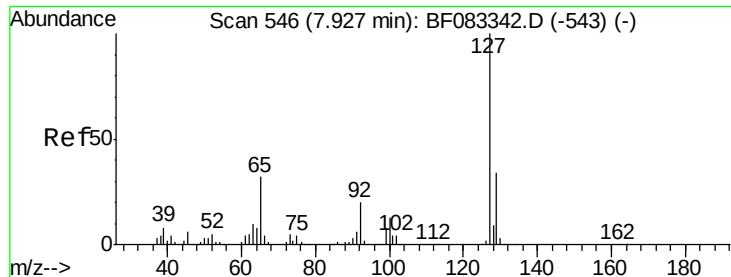
Ion Ratio Lower Upper

128 100

129 15.1 9.7 14.5#

127 17.9 11.0 16.4#

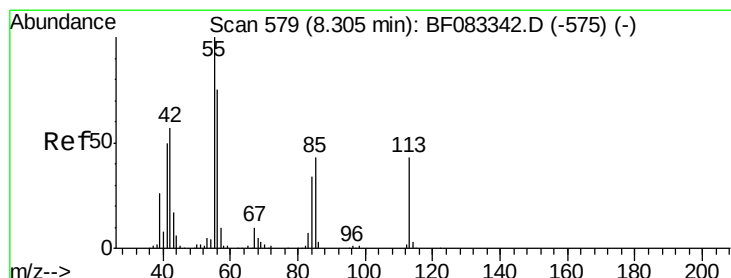
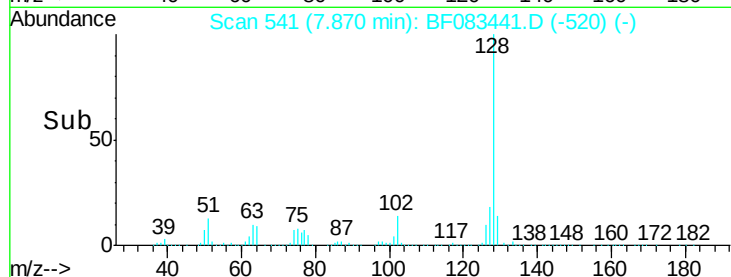
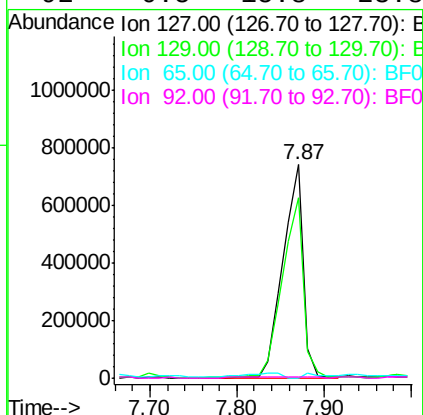
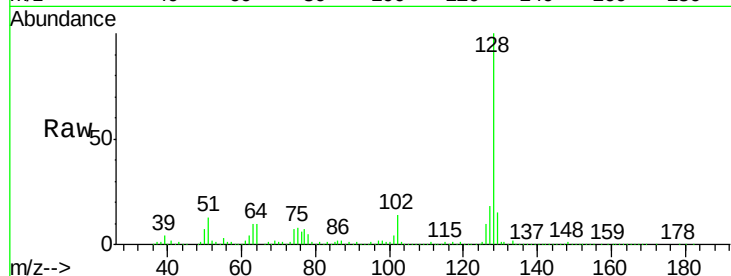




#33
4-Chloroaniline
Concen: 108.52 ng
RT: 7.87 min Scan# 541
Delta R.T. -0.06 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

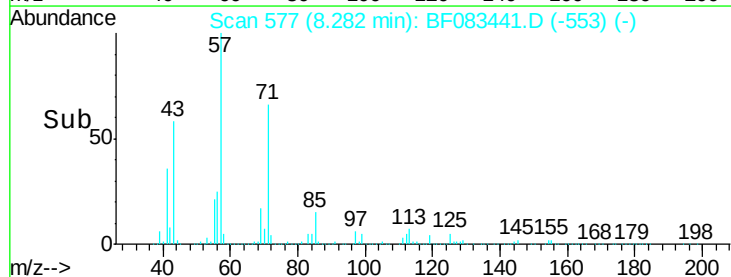
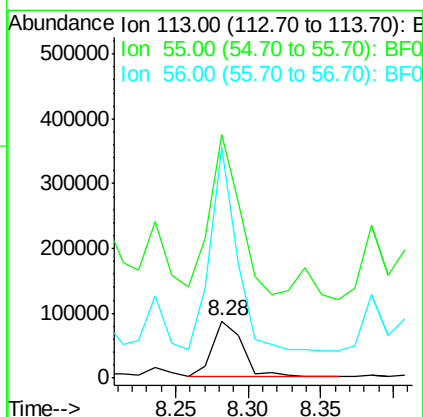
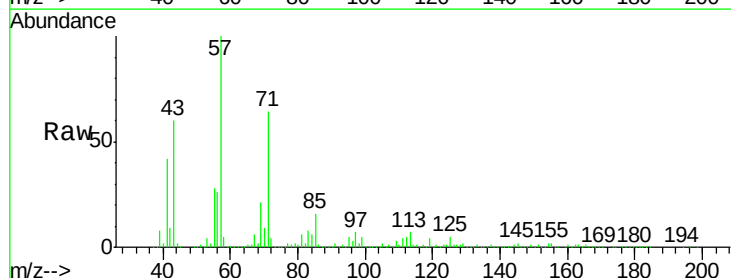
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(0-4)

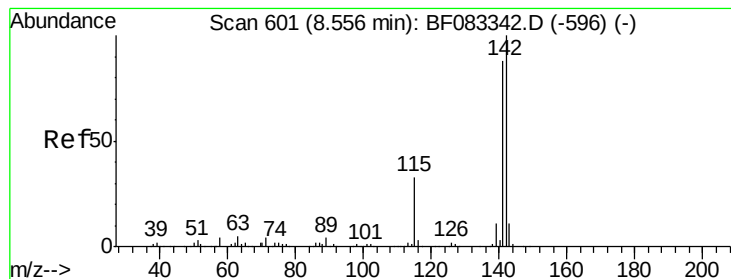
Tgt Ion:	127	Resp:	1207589
Ion	Ratio	Lower	Upper
127	100		
129	84.2	27.0	40.4#
65	0.0	25.9	38.9#
92	0.5	15.8	23.8#



#35
Caprolactam
Concen: 53.06 ng
RT: 8.28 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

Tgt Ion:	113	Resp:	127522
Ion	Ratio	Lower	Upper
113	100		
55	424.8	211.6	251.6#
56	402.8	153.0	193.0#

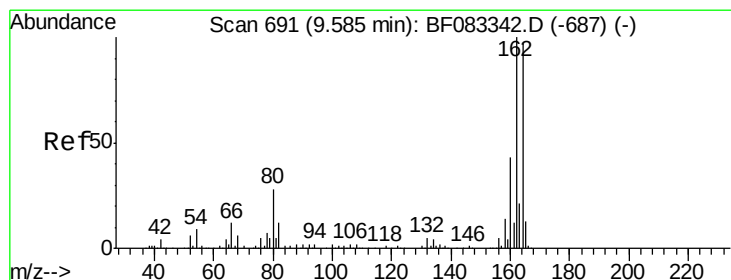
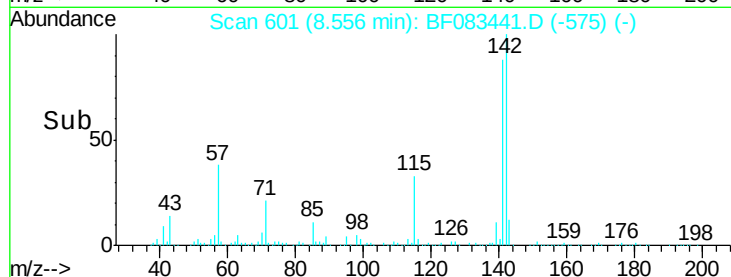
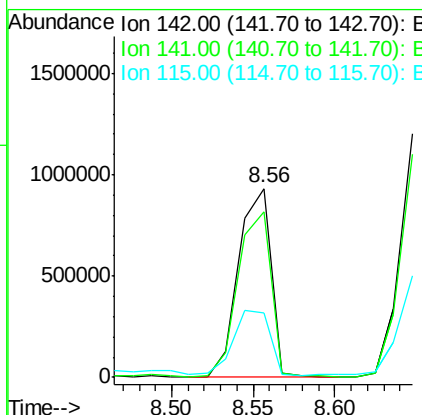
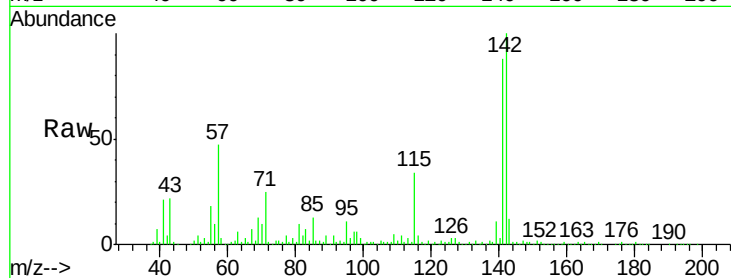




#37
 2-Methylnaphthalene
 Concen: 74.47 ng
 RT: 8.56 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

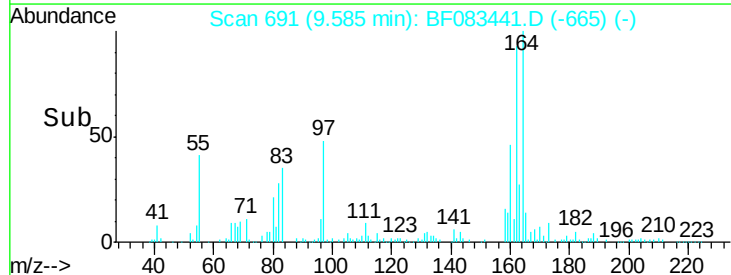
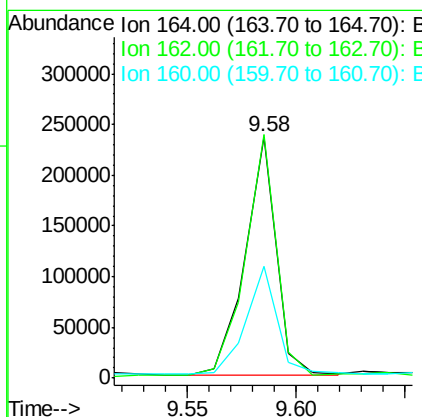
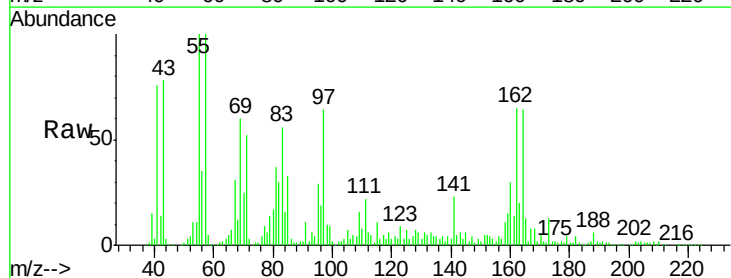
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(0-4)

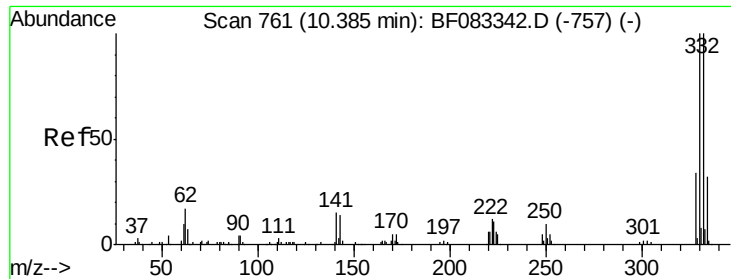
Tgt Ion:142 Resp: 1284690
 Ion Ratio Lower Upper
 142 100
 141 88.0 70.6 105.8
 115 33.9 26.2 39.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Tgt Ion:164 Resp: 234366
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.6 123.8
 160 46.6 35.3 52.9

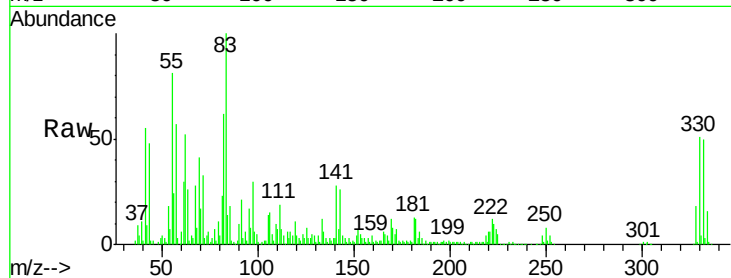




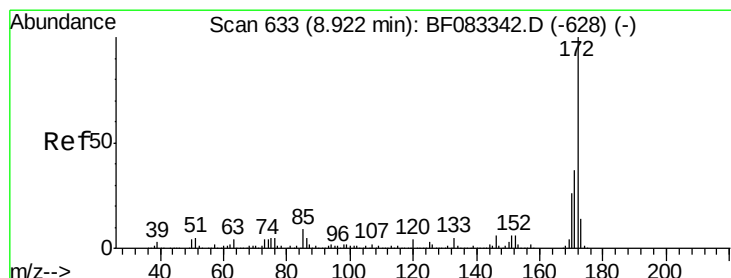
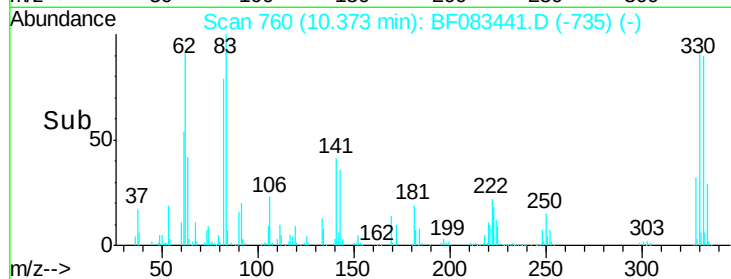
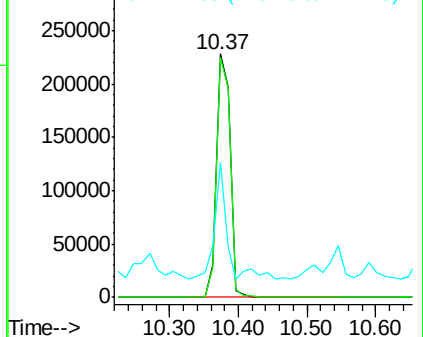
#41
 2,4,6-Tribromophenol
 Concen: 137.52 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(0-4)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.8	116.6
141	39.1	29.4	44.0

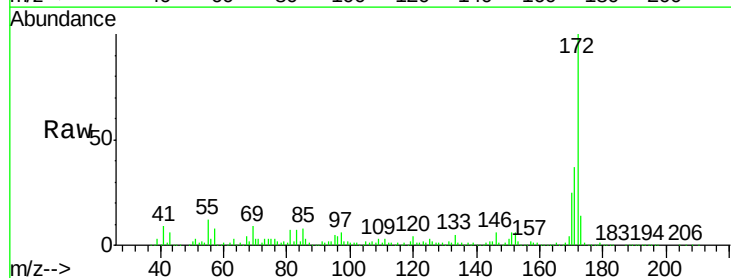


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

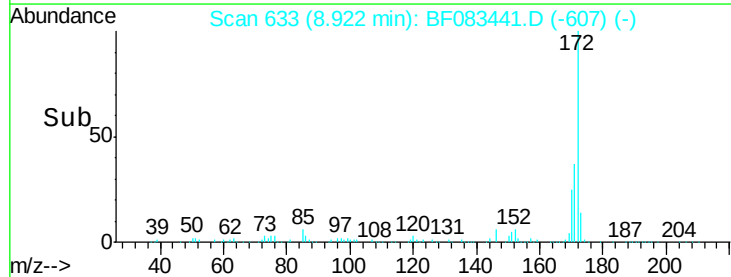
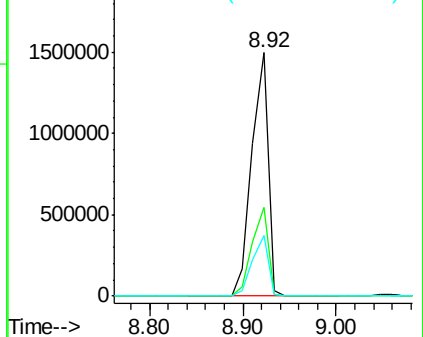


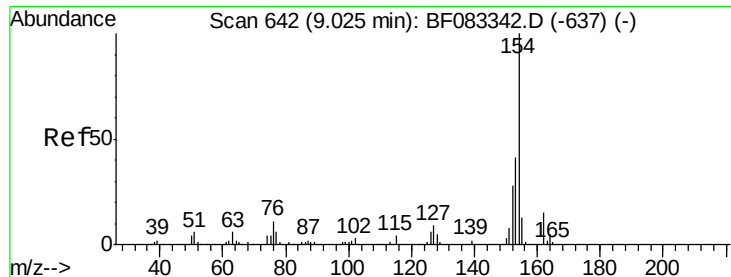
#44
 2-Fluorobiphenyl
 Concen: 111.26 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	25.0	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

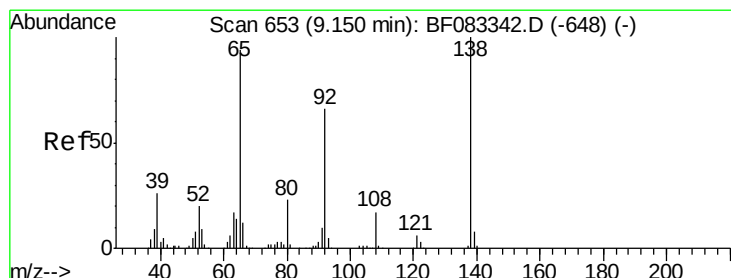
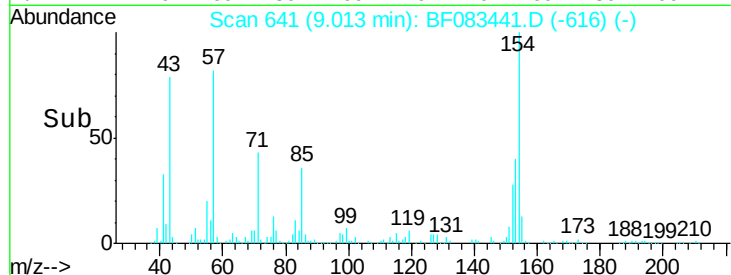
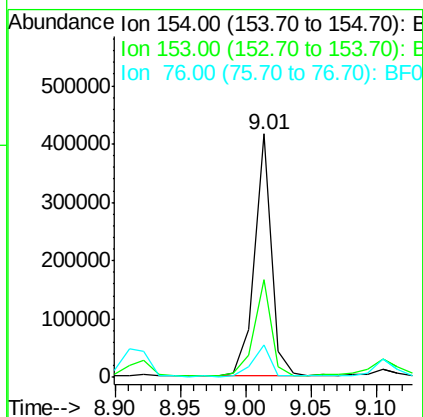
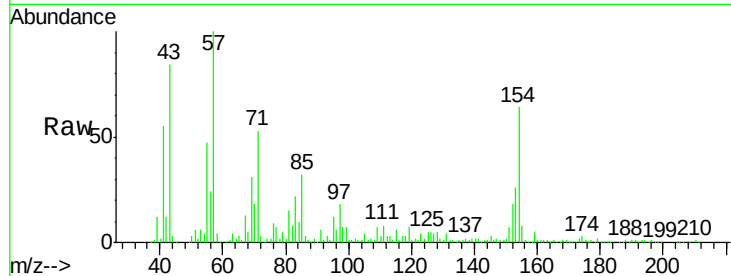




#45
1,1'-Biphenyl
Concen: 18.49 ng
RT: 9.01 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

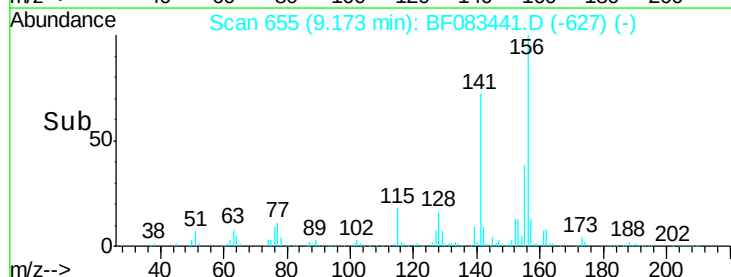
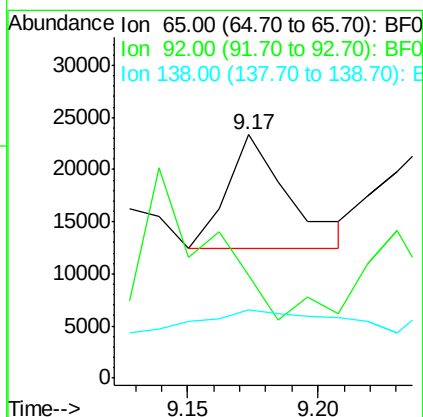
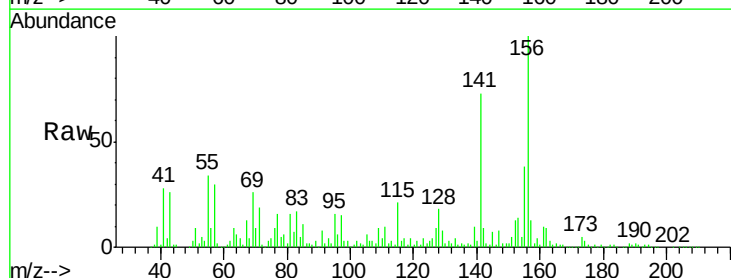
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(0-4)

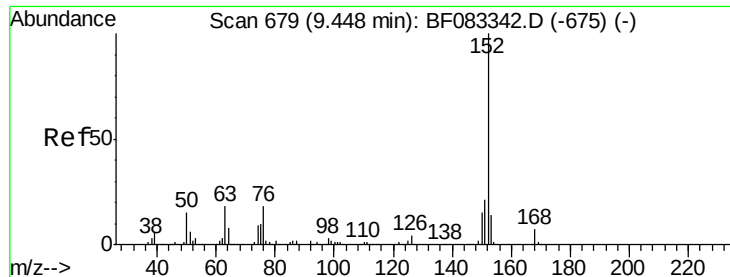
Tgt Ion: 154 Resp: 380020
Ion Ratio Lower Upper
154 100
153 40.3 20.6 60.6
76 13.5 0.0 30.5



#47
2-Nitroaniline
Concen: 2.93 ng
RT: 9.17 min Scan# 655
Delta R.T. 0.02 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

Tgt Ion: 65 Resp: 18152
Ion Ratio Lower Upper
65 100
92 42.4 56.2 84.4#
138 28.2 85.4 128.0#





#48

Acenaphthylene

Concen: 20.54 ng

RT: 9.45 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

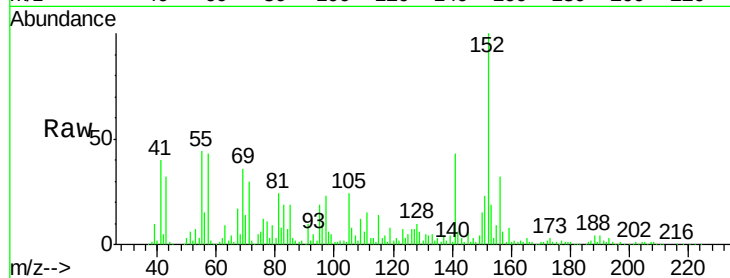
Tgt Ion:152 Resp: 513202

Ion Ratio Lower Upper

152 100

151 23.3 16.7 25.1

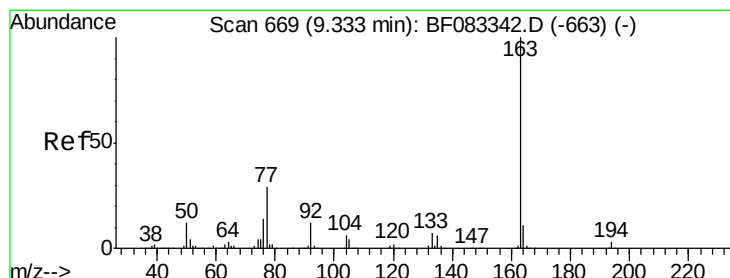
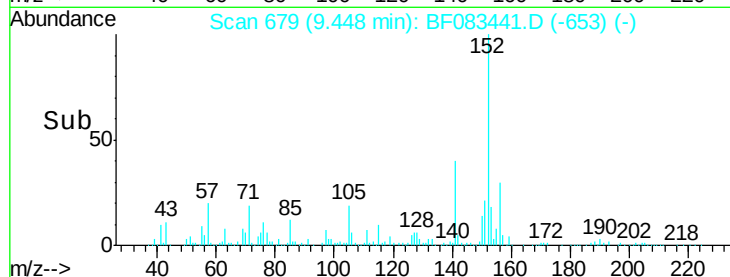
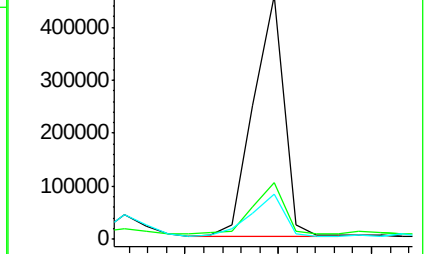
153 18.7 11.2 16.8#



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: 5.31 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

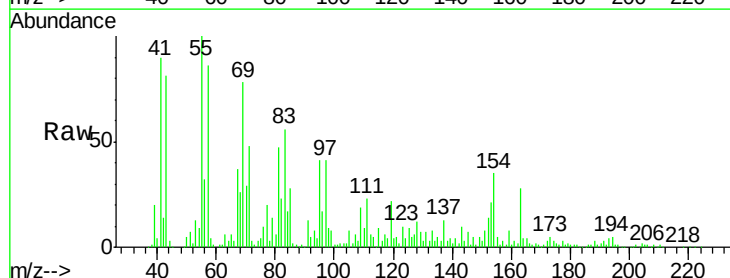
Tgt Ion:163 Resp: 101044

Ion Ratio Lower Upper

163 100

194 18.2 2.7 4.1#

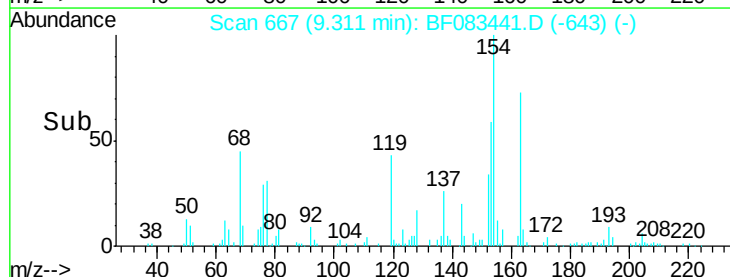
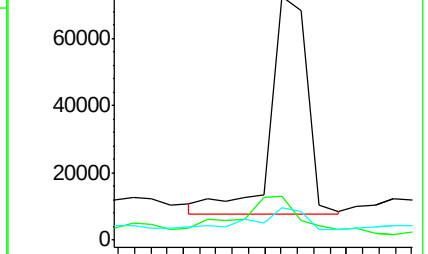
164 13.6 8.8 13.2#

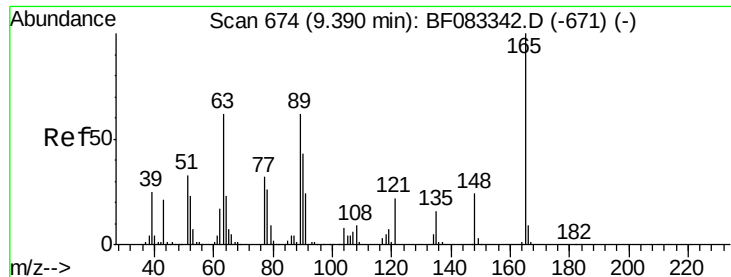


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

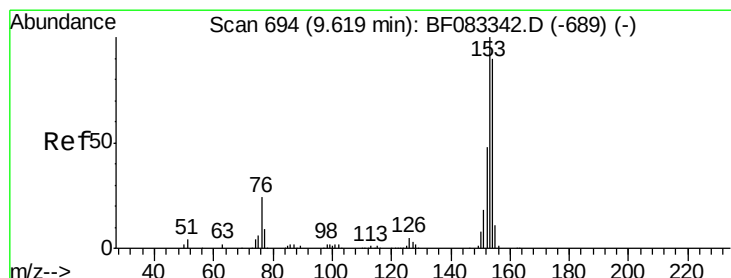
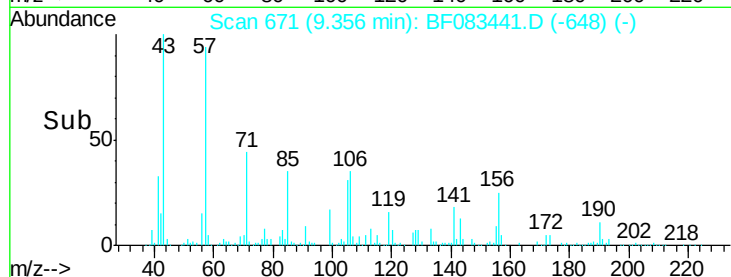
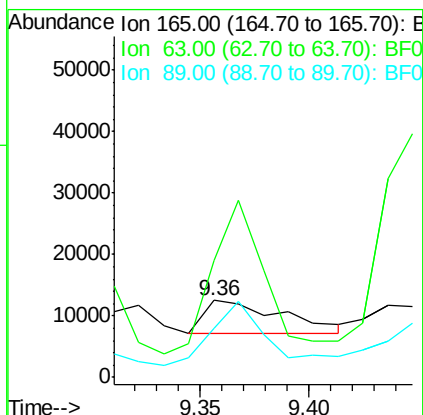
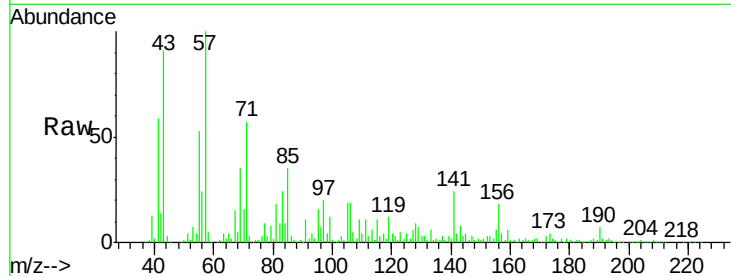




#50
2,6-Dinitrotoluene
Concen: 3.35 ng
RT: 9.36 min Scan# 671
Delta R.T. -0.03 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

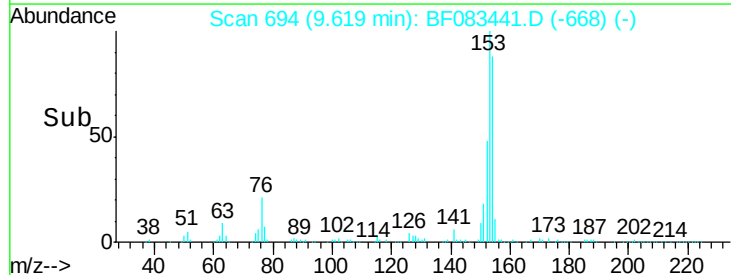
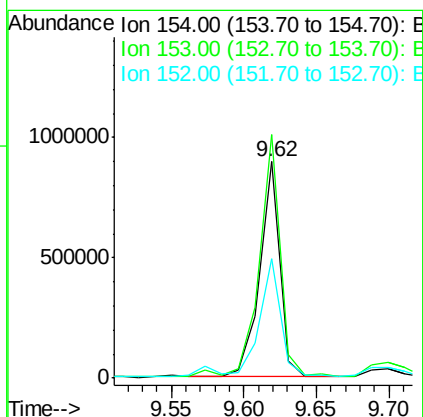
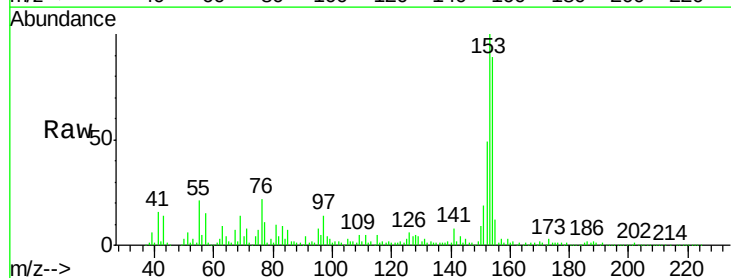
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(0-4)

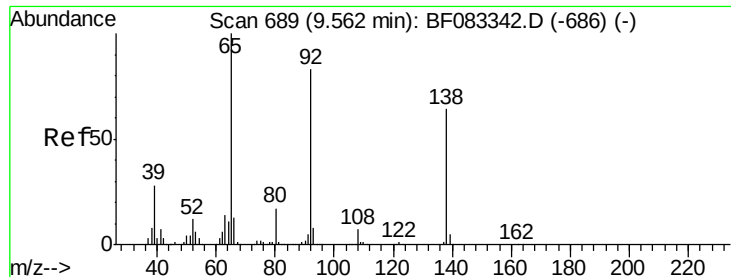
Tgt Ion:165 Resp: 13611
Ion Ratio Lower Upper
165 100
63 151.9 56.0 84.0#
89 63.2 49.8 74.8



#51
Acenaphthene
Concen: 58.90 ng
RT: 9.62 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

Tgt Ion:154 Resp: 865437
Ion Ratio Lower Upper
154 100
153 112.4 89.3 133.9
152 55.0 42.5 63.7

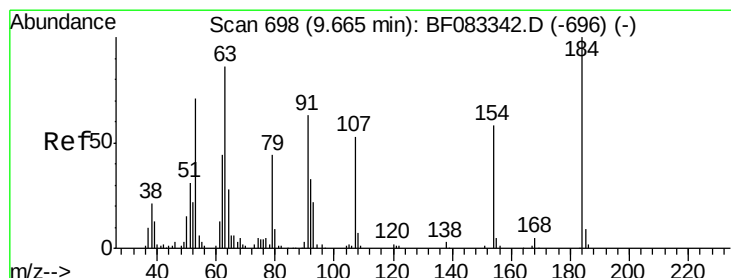
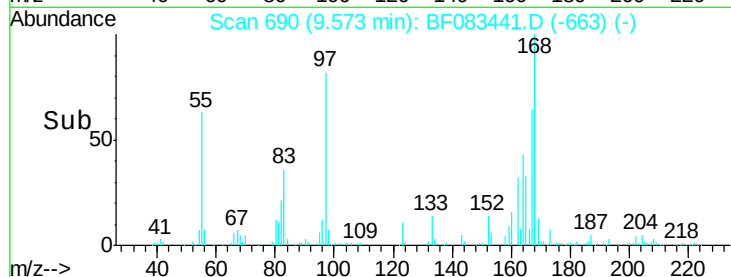
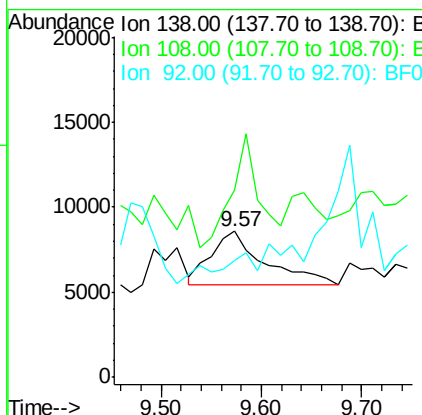
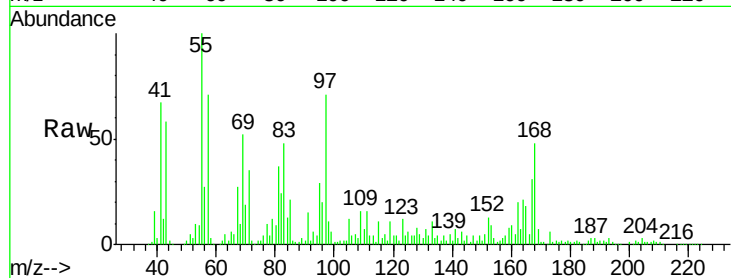




#52
 3-Nitroaniline
 Concen: 2.50 ng
 RT: 9.57 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

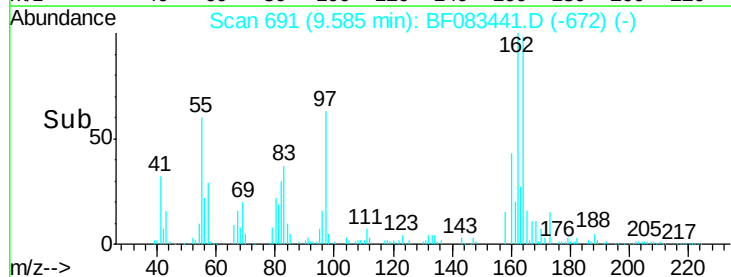
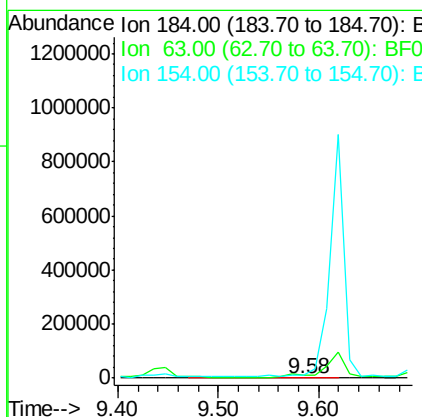
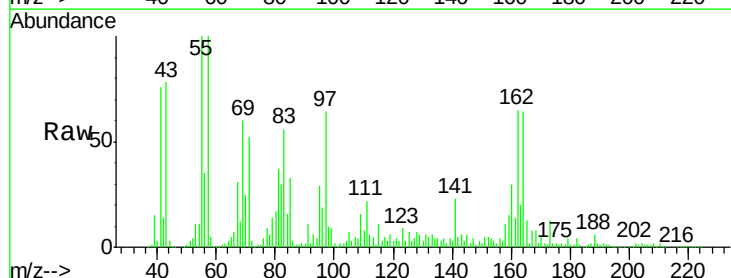
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(0-4)

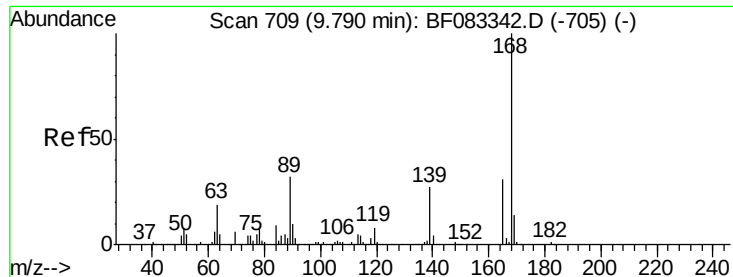
Tgt Ion:138 Resp: 11916
 Ion Ratio Lower Upper
 138 100
 108 128.7 8.4 12.6#
 92 80.4 104.2 156.4#



#53
 2,4-Dinitrophenol
 Concen: 3.14 ng
 RT: 9.58 min Scan# 691
 Delta R.T. -0.08 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Tgt Ion:184 Resp: 3911
 Ion Ratio Lower Upper
 184 100
 63 1171.1 69.0 103.6#
 154 1267.4 50.0 75.0#





#54

Dibenzofuran

Concen: 10.86 ng

RT: 9.79 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

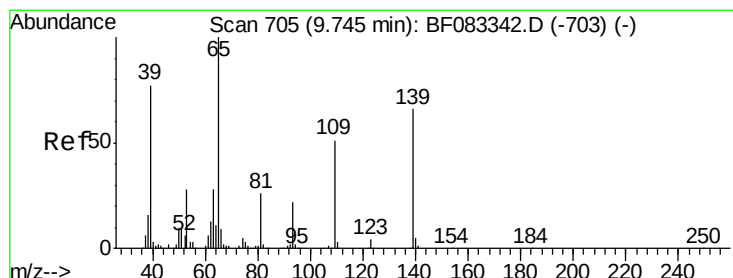
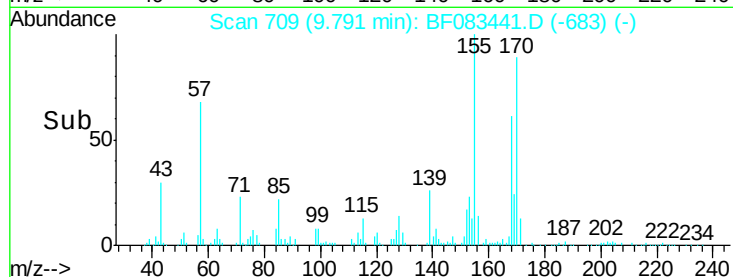
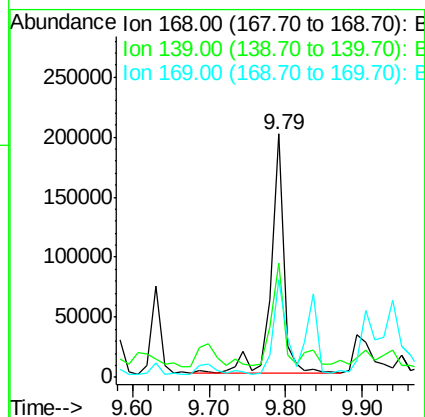
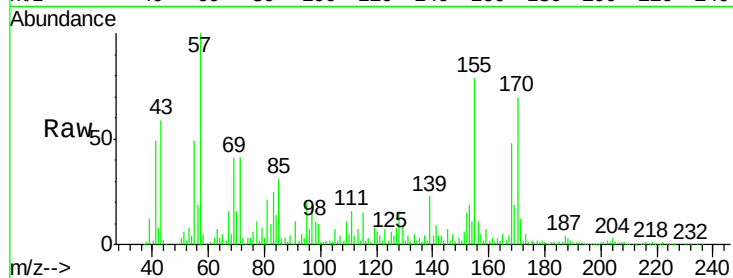
Tgt Ion:168 Resp: 233826

Ion Ratio Lower Upper

168 100

139 47.1 32.7 49.1

169 40.3 11.1 16.7#



#55

4-Nitrophenol

Concen: 11.86 ng

RT: 9.70 min Scan# 701

Delta R.T. -0.04 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

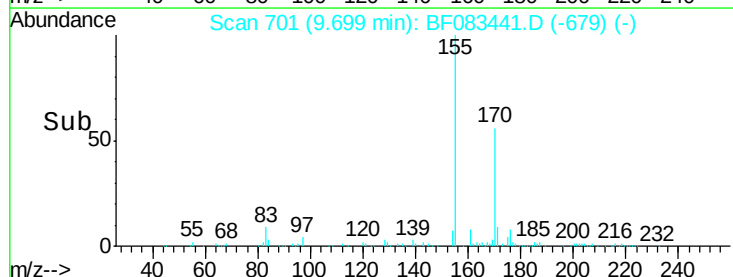
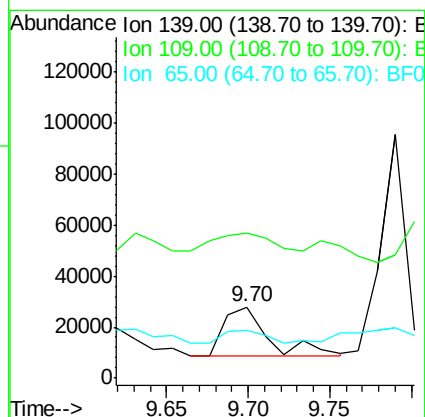
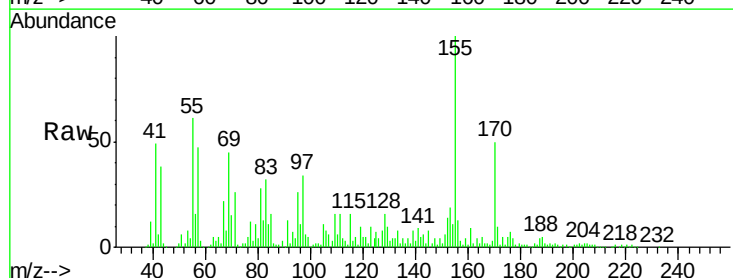
Tgt Ion:139 Resp: 35378

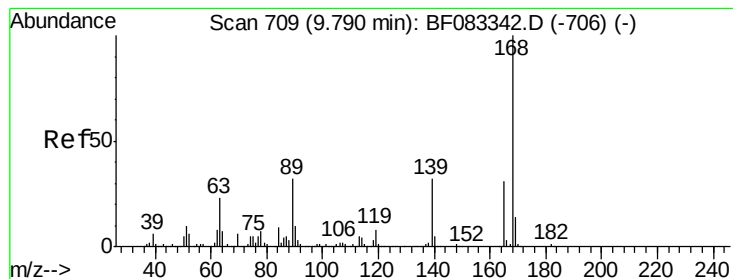
Ion Ratio Lower Upper

139 100

109 202.5 57.4 97.4#

65 67.7 131.6 171.6#





#56

2,4-Dinitrotoluene

Concen: 4.03 ng

RT: 9.79 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

Tgt Ion:165 Resp: 20815

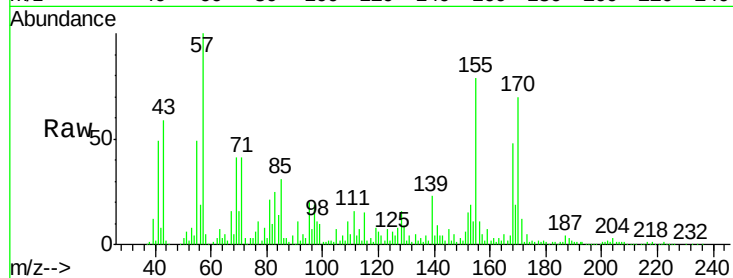
Ion Ratio Lower Upper

165 100

63 131.6 65.4 98.0#

89 64.7 81.2 121.8#

182 15.3 1.8 2.8#

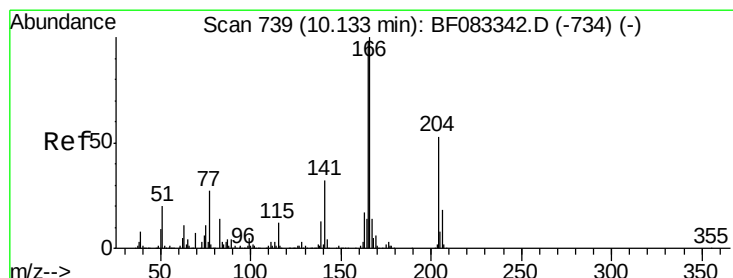
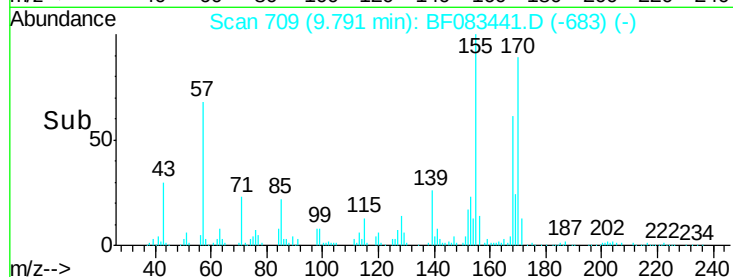
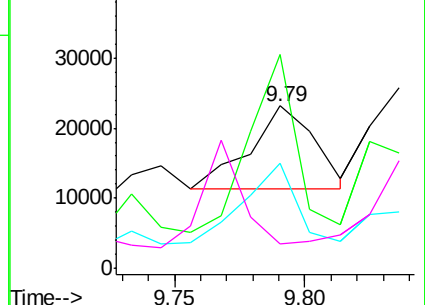


Abundance Ion 165.00 (164.70 to 165.70): E

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: 48.03 ng

RT: 10.13 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

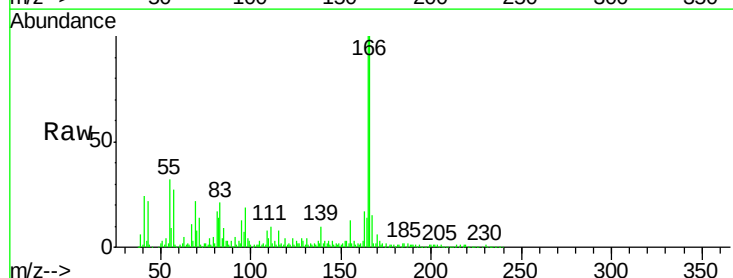
Tgt Ion:166 Resp: 816742

Ion Ratio Lower Upper

166 100

165 99.7 78.3 117.5

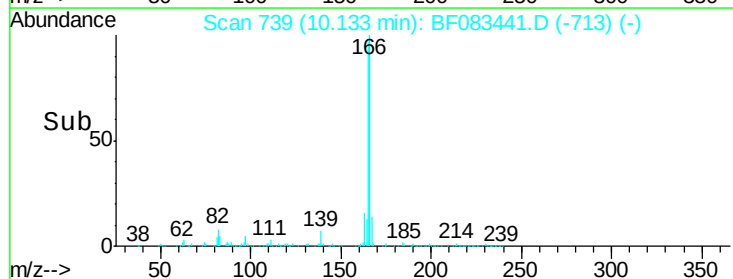
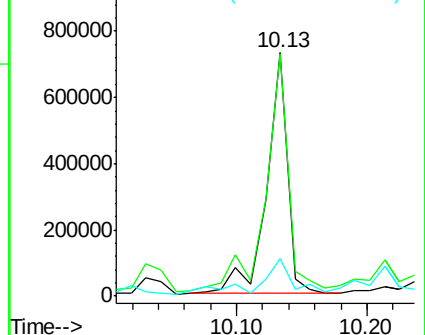
167 15.4 11.1 16.7

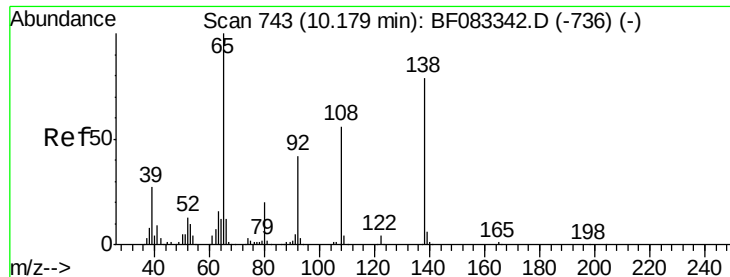


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

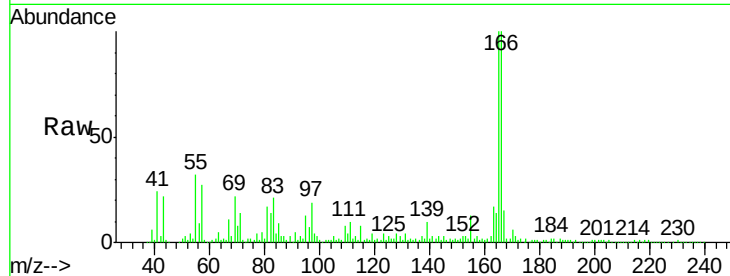




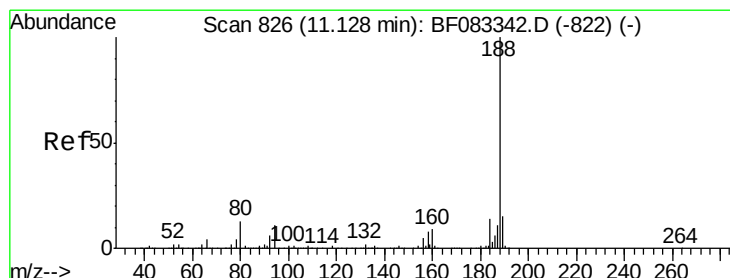
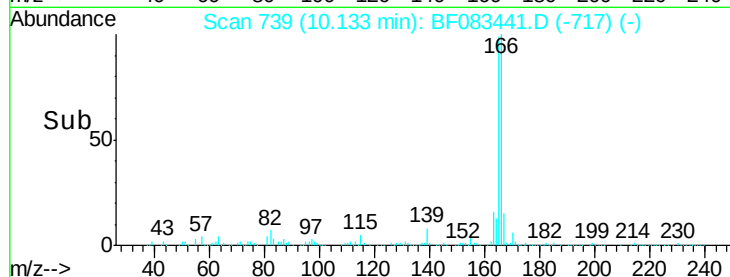
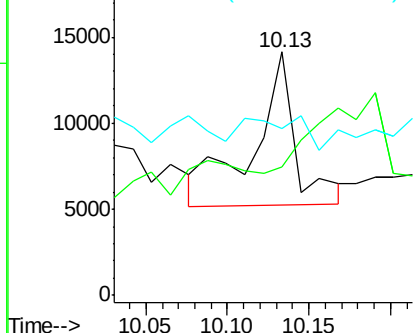
#61
4-Nitroaniline
Concen: 3.39 ng
RT: 10.13 min Scan# 739
Delta R.T. -0.05 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(0-4)

Tgt Ion:138 Resp: 16158
Ion Ratio Lower Upper
138 100
92 52.7 33.6 73.6
108 68.8 51.0 91.0

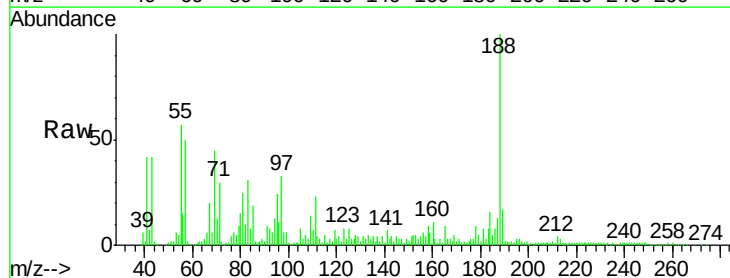


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

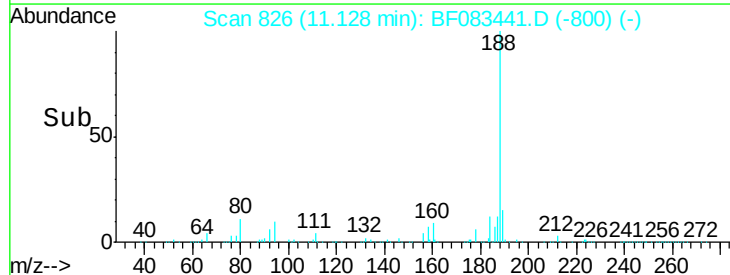
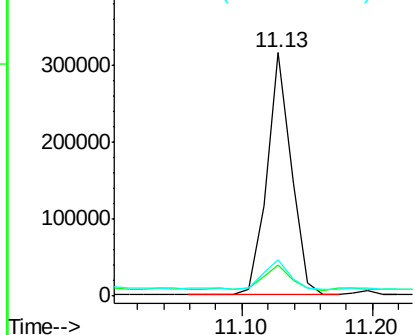


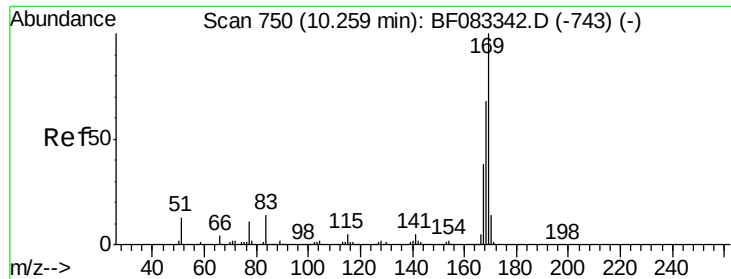
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083441.D
Acq: 3 Dec 2015 3:50

Tgt Ion:188 Resp: 412725
Ion Ratio Lower Upper
188 100
94 12.8 8.7 13.1
80 14.9 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





#65

n-Nitrosodiphenylamine

Concen: 10.91 ng

RT: 10.25 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

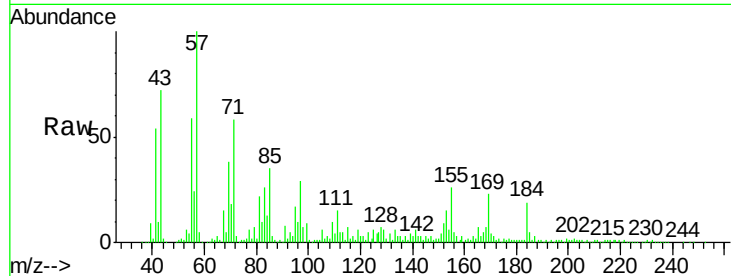
Tgt Ion:169 Resp: 158258

Ion Ratio Lower Upper

169 100

168 29.0 54.8 82.2#

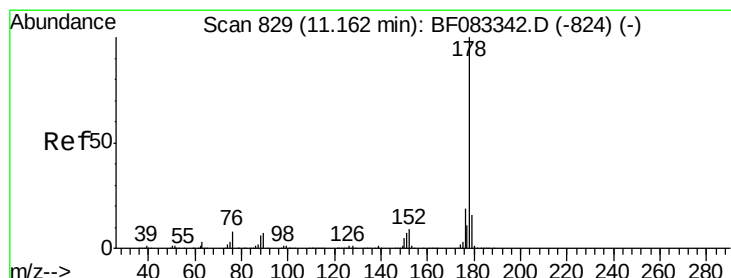
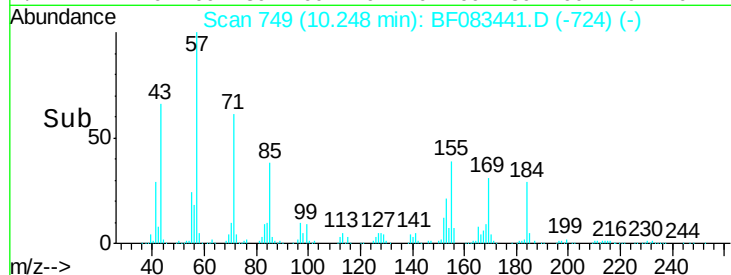
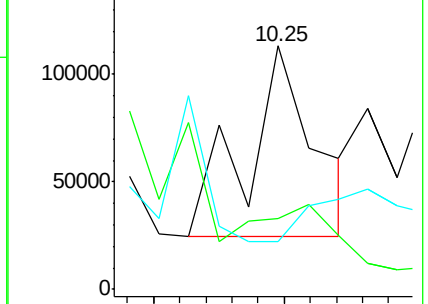
167 19.7 30.2 45.2#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 138.67 ng

RT: 11.16 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

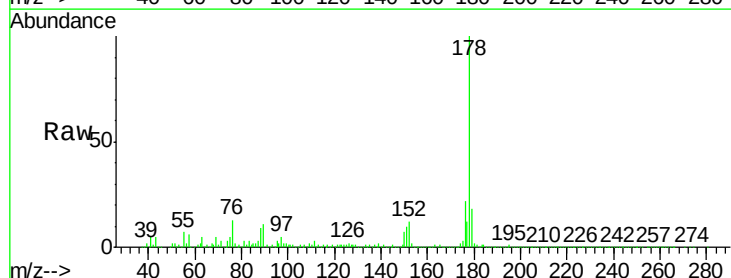
Tgt Ion:178 Resp: 3387050

Ion Ratio Lower Upper

178 100

176 21.8 15.3 22.9

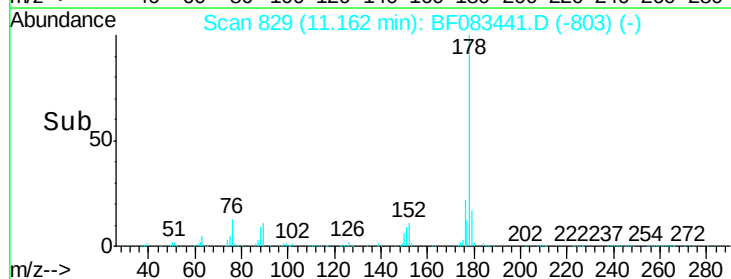
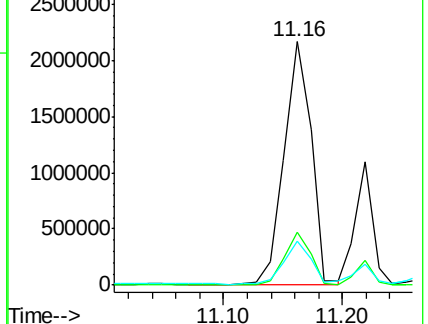
179 17.9 12.4 18.6

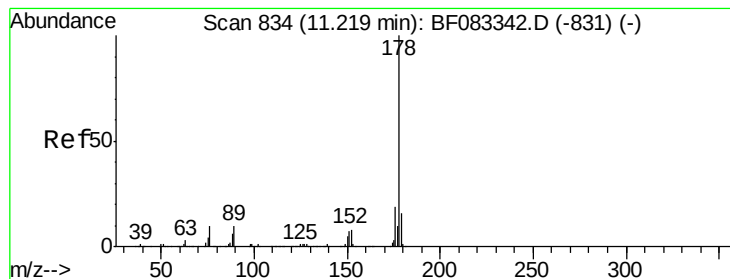


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 45.06 ng

RT: 11.22 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

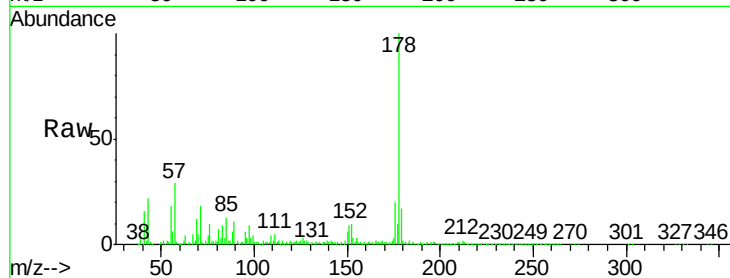
Tgt Ion:178 Resp: 1108009

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

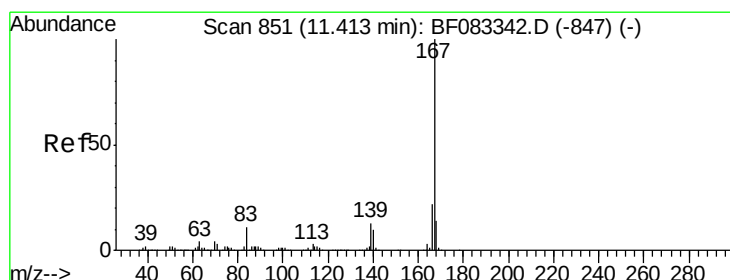
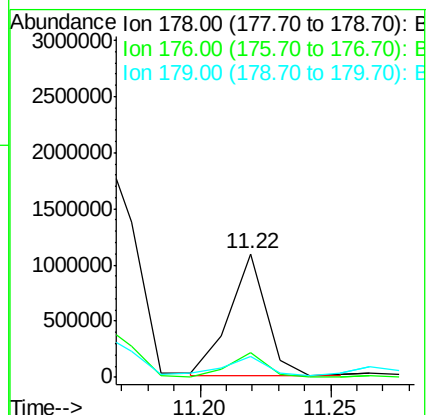
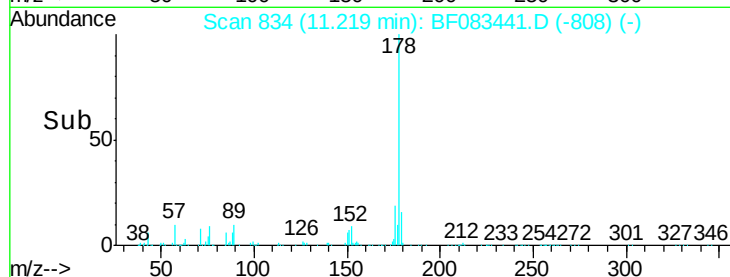
179 17.4 12.8 19.2



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: 5.00 ng

RT: 11.40 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

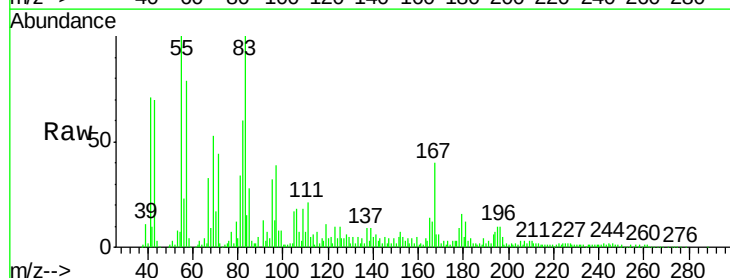
Tgt Ion:167 Resp: 110531

Ion Ratio Lower Upper

167 100

166 30.9 17.4 26.0#

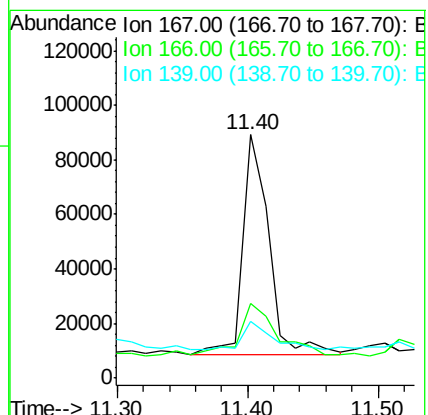
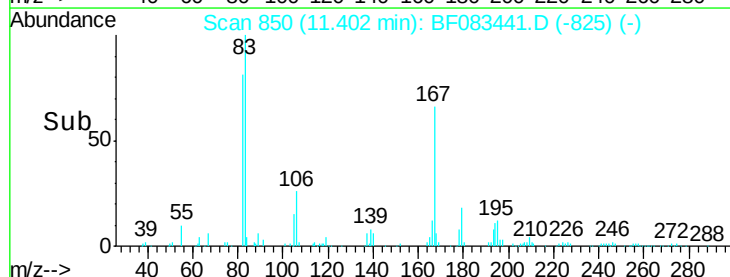
139 23.5 10.5 15.7#

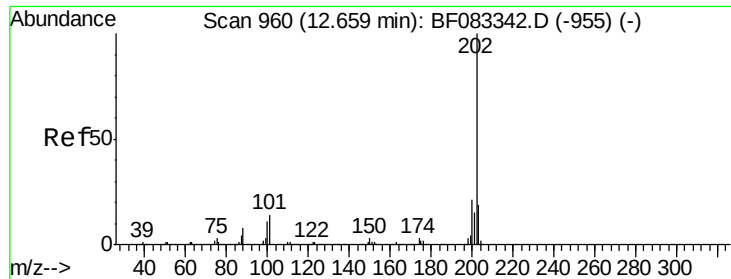


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 67.29 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

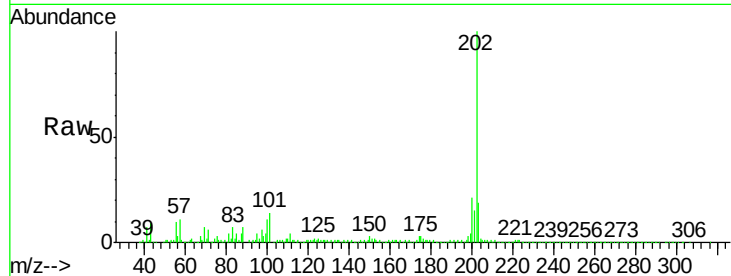
Tgt Ion:202 Resp: 1703587

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.5

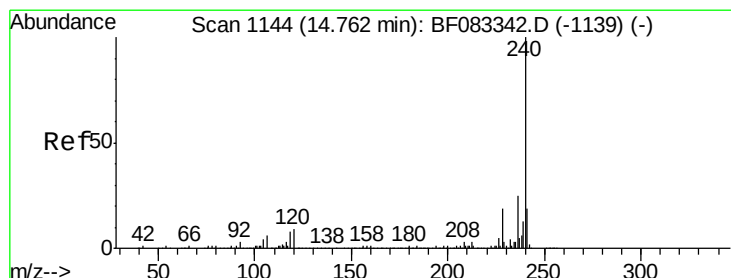
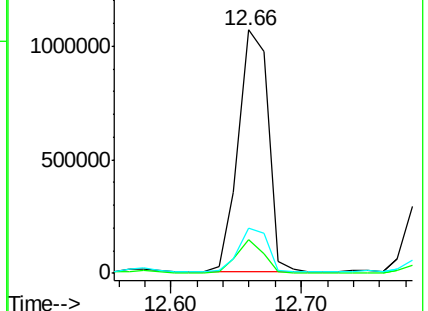
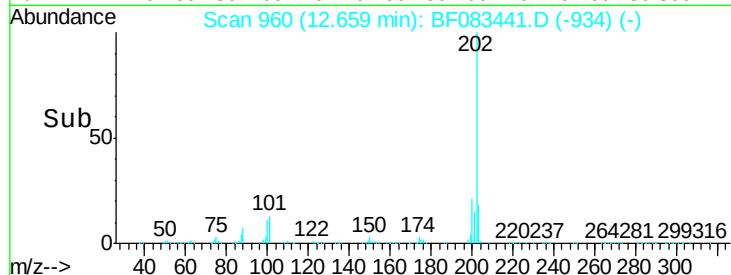
203 18.8 0.0 38.7



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: BF083441.D

Acq: 3 Dec 2015 3:50

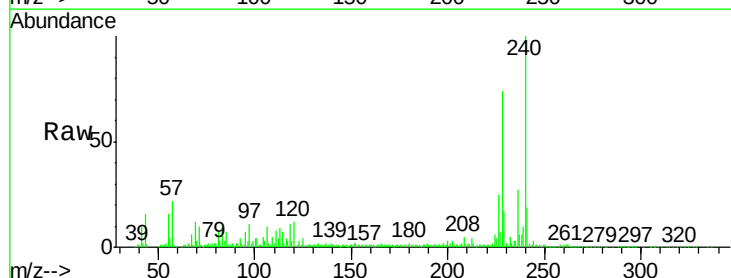
Tgt Ion:240 Resp: 310734

Ion Ratio Lower Upper

240 100

120 12.3 6.9 10.3#

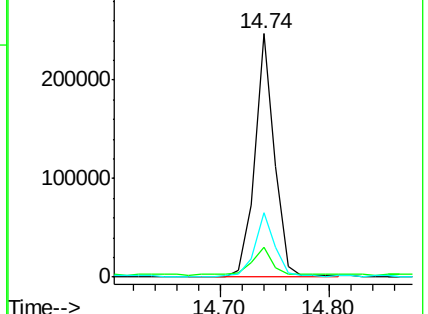
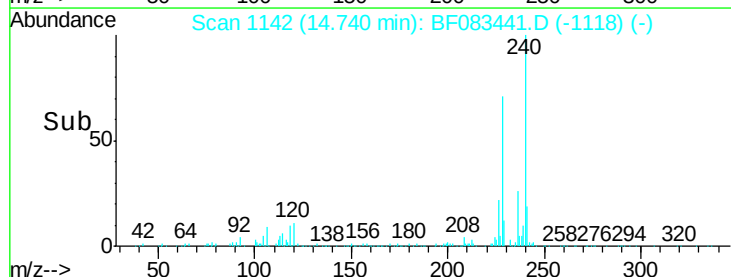
236 26.6 19.8 29.6

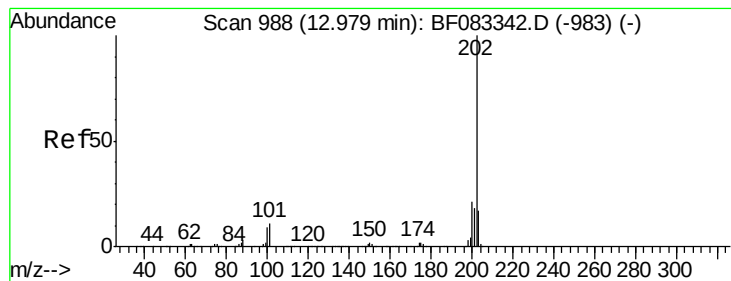


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 103.16 ng

RT: 12.98 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

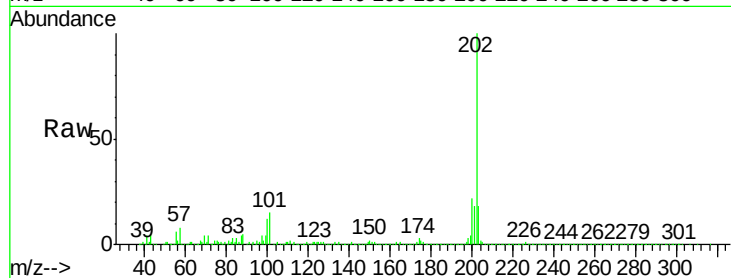
Tgt Ion:202 Resp: 2238577

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

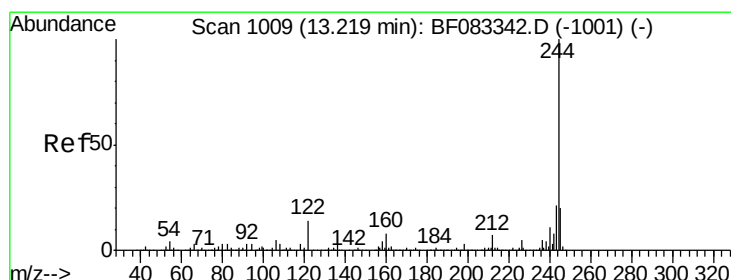
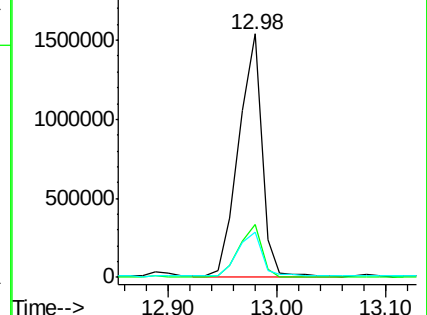
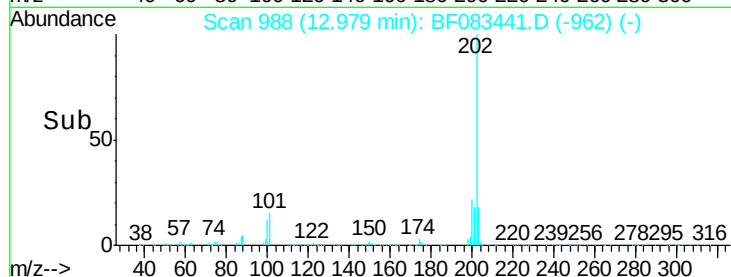
203 18.4 13.9 20.9



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: 114.76 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

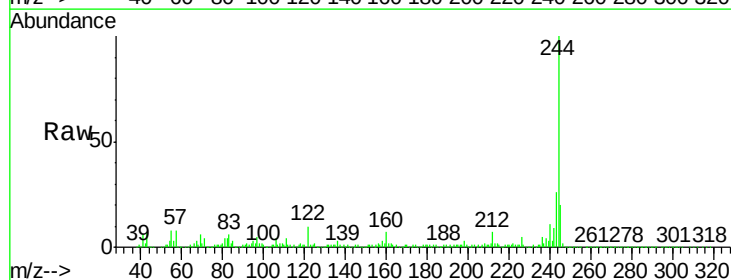
Tgt Ion:244 Resp: 1495216

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

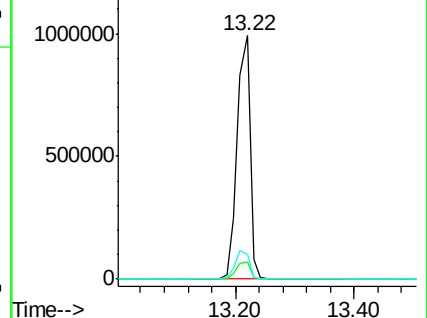
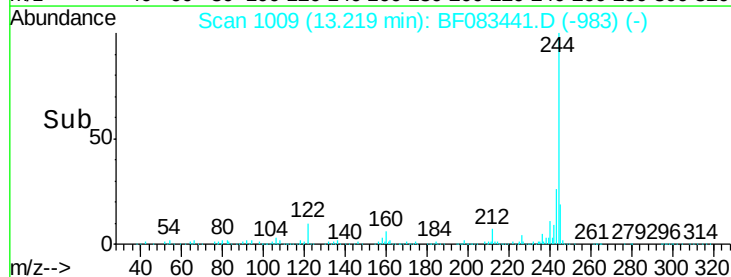
122 10.1 11.0 16.4#

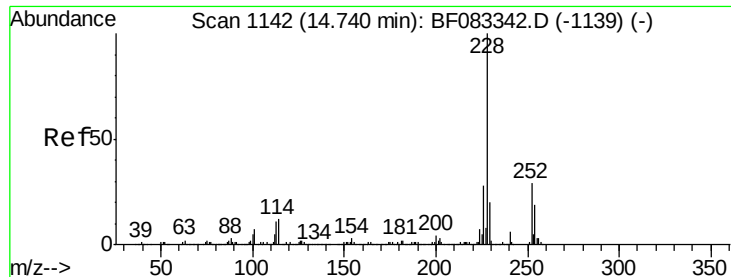


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 29.87 ng

RT: 14.77 min Scan# 1145

Delta R.T. 0.03 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

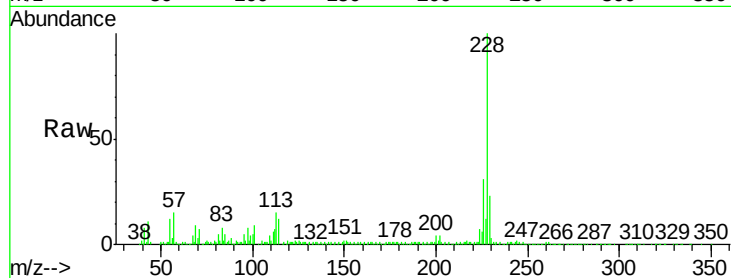
Tgt Ion:228 Resp: 568664

Ion Ratio Lower Upper

228 100

226 31.3 22.2 33.4

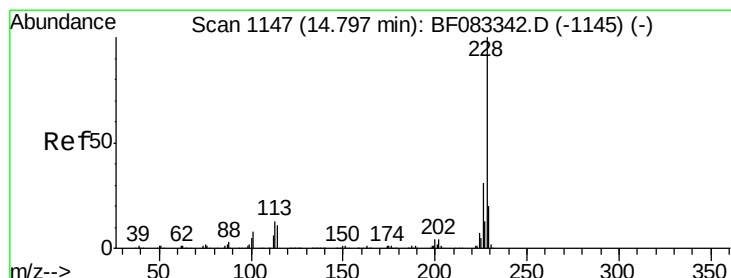
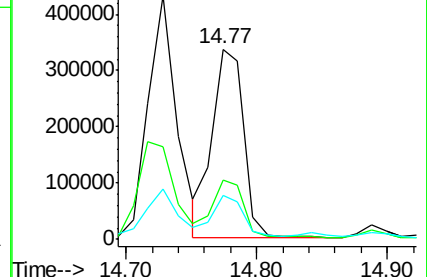
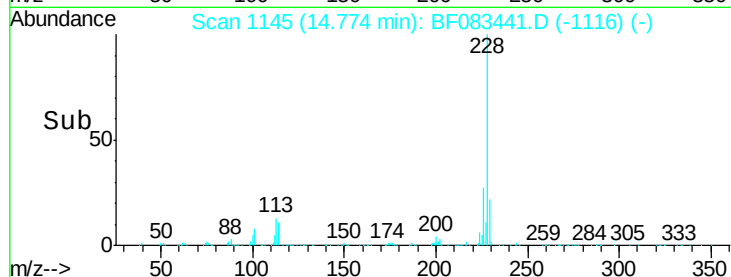
229 23.1 16.1 24.1



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: 31.06 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

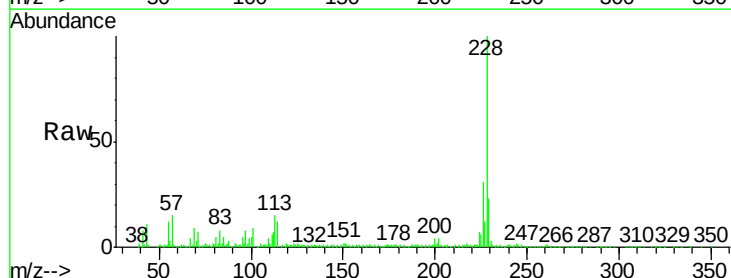
Tgt Ion:228 Resp: 571328

Ion Ratio Lower Upper

228 100

226 31.3 24.6 37.0

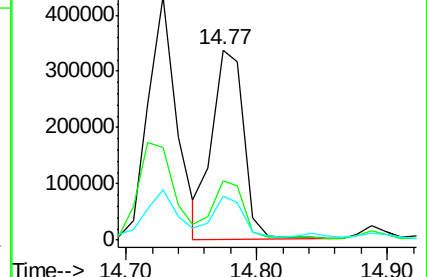
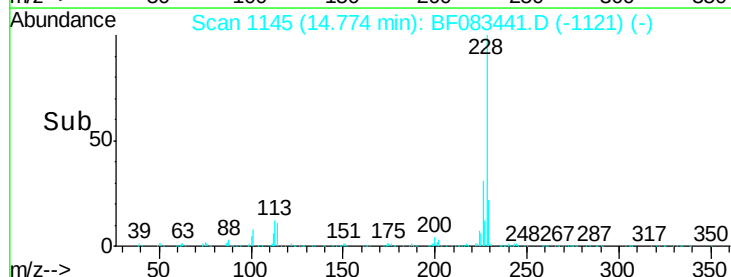
229 23.1 16.2 24.2

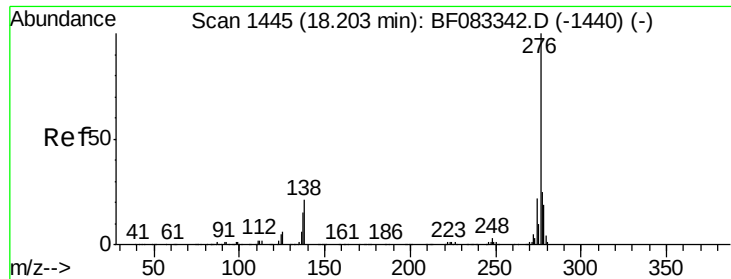


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

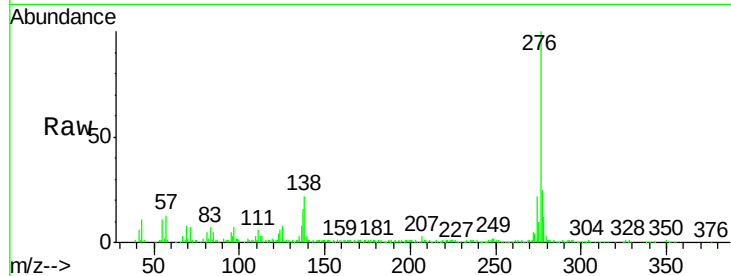




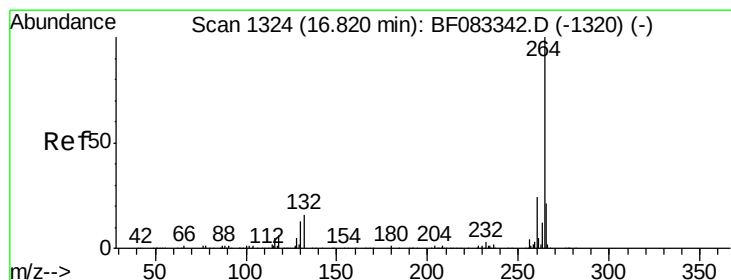
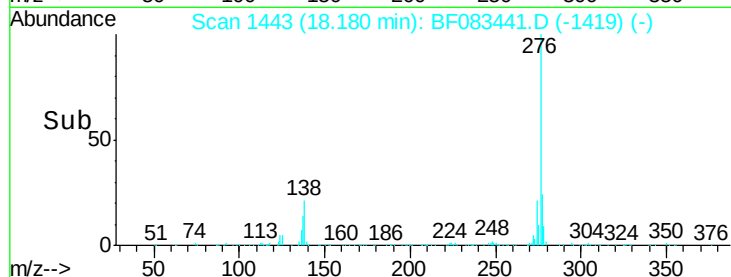
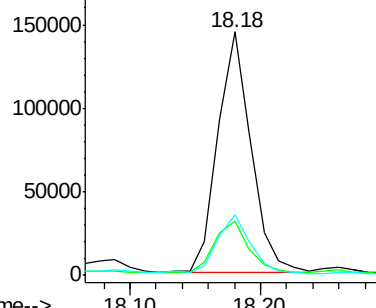
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.03 ng
 RT: 18.18 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(0-4)

Tgt Ion:	276	Resp:	254957
Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.2	31.8
277	24.6	20.0	30.0

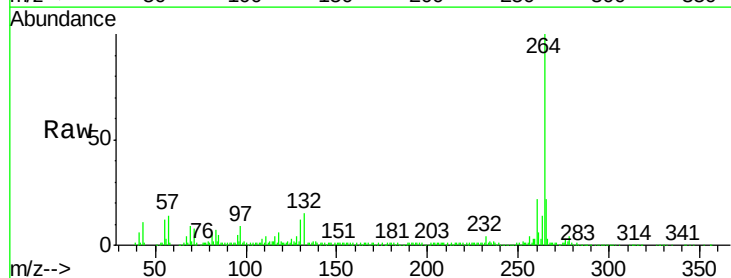


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

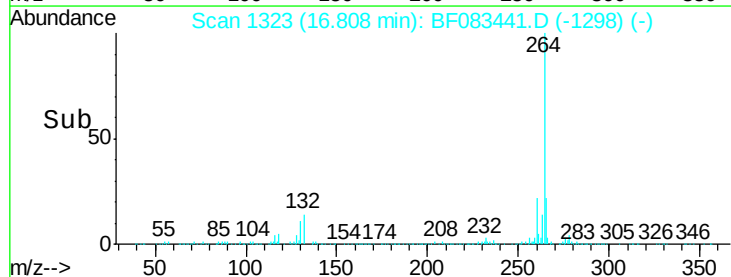
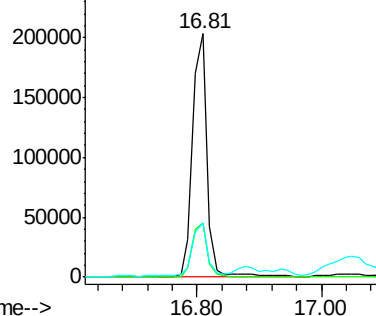


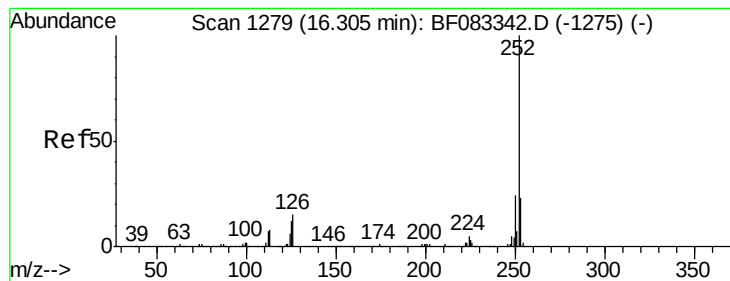
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.81 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF083441.D
 Acq: 3 Dec 2015 3:50

Tgt Ion:	264	Resp:	323199
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.0	28.4
265	22.5	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: 32.97 ng

RT: 16.29 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

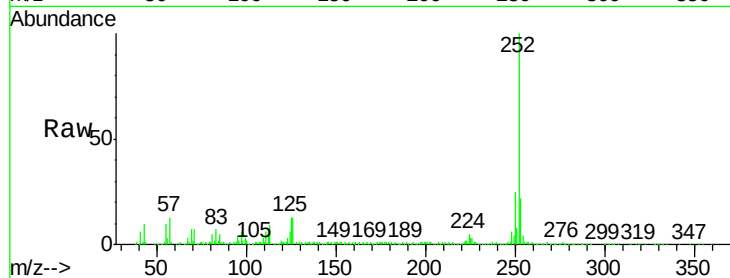
Tgt Ion:252 Resp: 683794

Ion Ratio Lower Upper

252 100

253 21.7 18.4 27.6

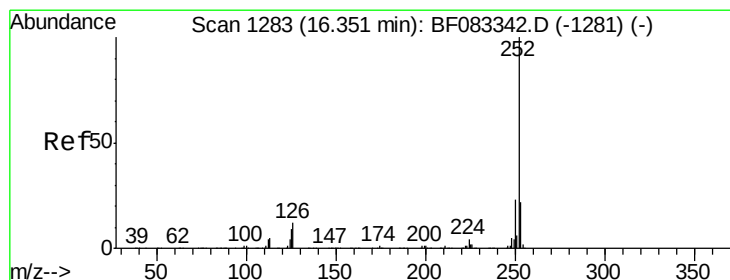
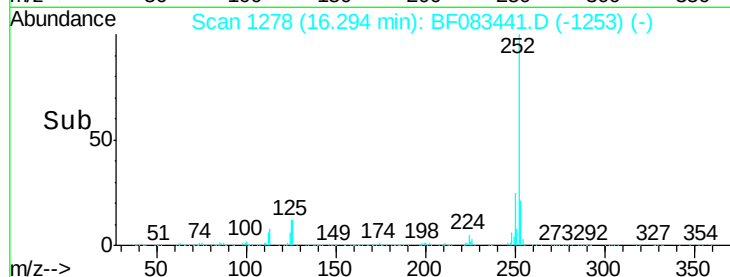
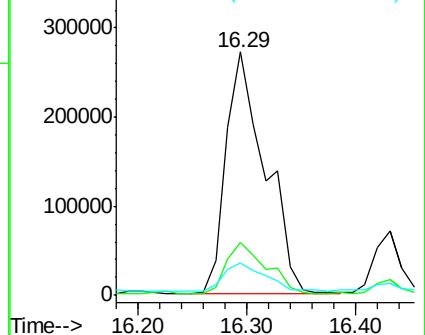
125 13.4 9.6 14.4



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: 34.92 ng

RT: 16.29 min Scan# 1278

Delta R.T. -0.06 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

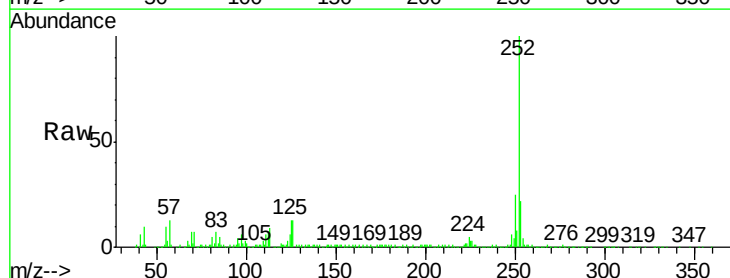
Tgt Ion:252 Resp: 683794

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

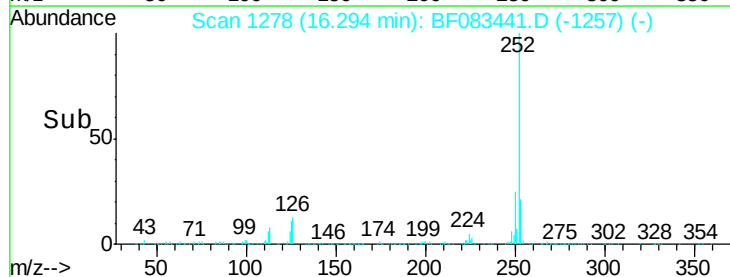
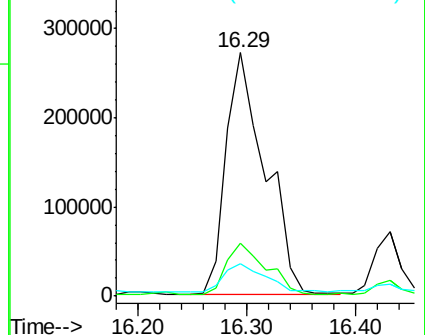
125 13.4 7.5 11.3#

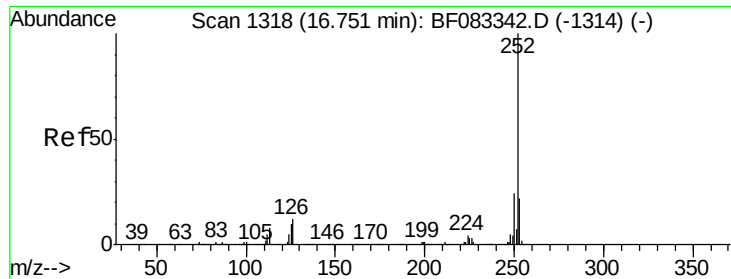


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 28.66 ng

RT: 16.73 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

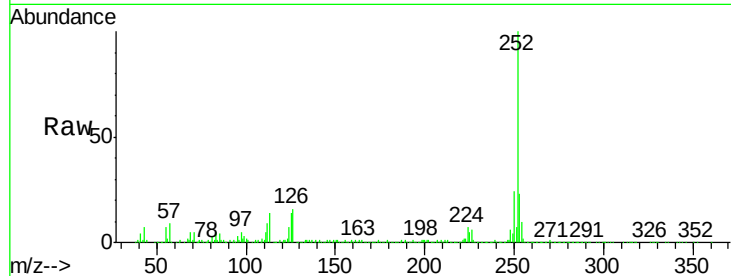
Tgt Ion:252 Resp: 510466

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

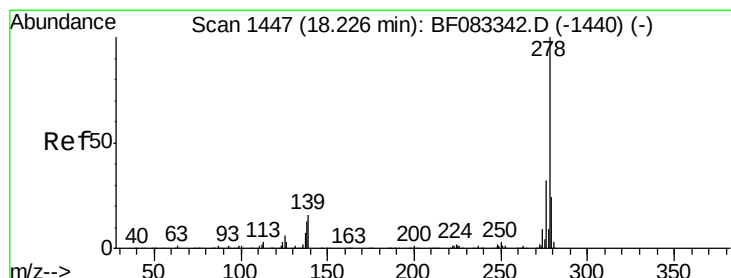
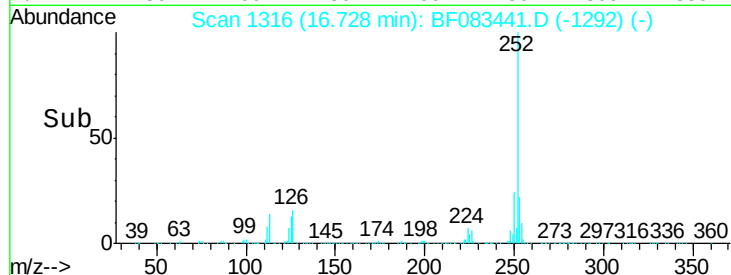
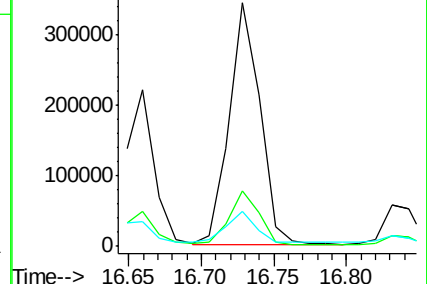
125 14.4 7.8 11.8#



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: 3.27 ng

RT: 18.34 min Scan# 1457

Delta R.T. 0.11 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

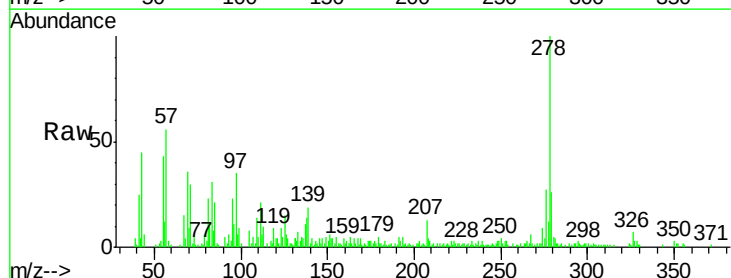
Tgt Ion:278 Resp: 50807

Ion Ratio Lower Upper

278 100

139 19.5 13.1 19.7

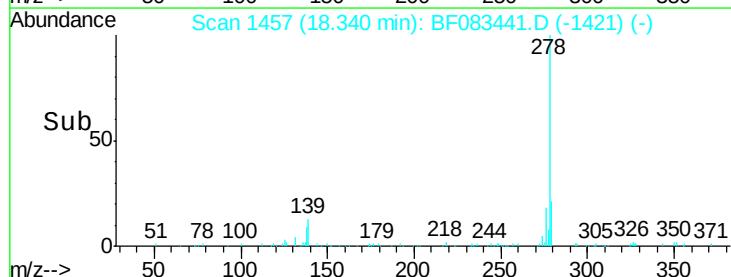
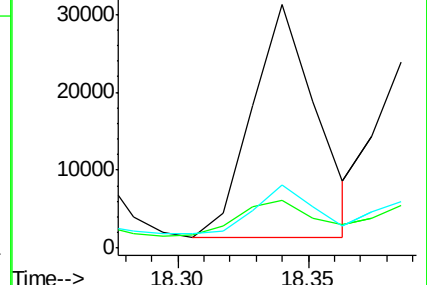
279 25.9 19.2 28.8

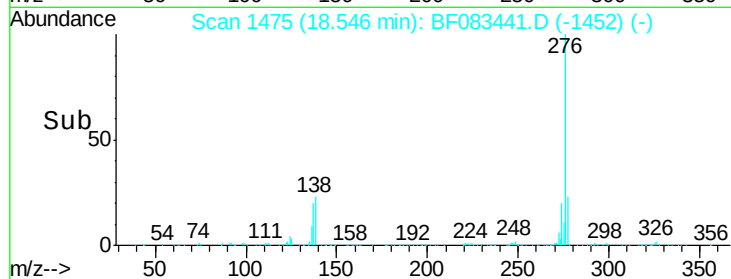
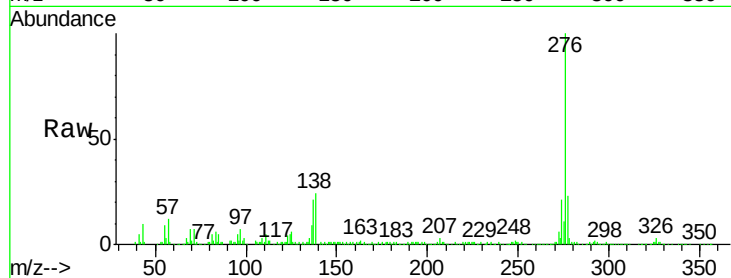
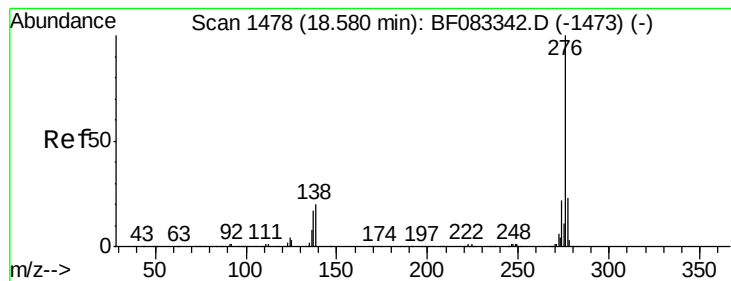


Abundance Ion 278.00 (277.70 to 278.70): E

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: 18.83 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083441.D

Acq: 3 Dec 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(0-4)

Tgt Ion: 276 Resp: 286769

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 24.2 16.1 24.1#

