

Data Path : Z:\HPCHEM1\BNA F\Data\BF120215\
 Data File : BF083457.D
 Acq On : 3 Dec 2015 11:58
 Operator : UM/IZ
 Sample : G4584-08
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)

Quant Time: Dec 03 12:28:00 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	458003	20.00	ng	0.15
21) Naphthalene-d8	7.86	136	367923	20.00	ng	0.02
38) Acenaphthene-d10	9.58	164	228553	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	314924	20.00	ng	0.01
75) Chrysene-d12	14.76	240	274787	20.00	ng	0.00
86) Perylene-d12	16.82	264	256232	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	1071218	35.10	ng	0.00
7) Phenol-d6	6.21	99	1511696	36.18	ng	-0.01
23) Nitrobenzene-d5	7.12	82	936575	111.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	217042	94.60	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1203407	75.03	ng	-0.01
78) Terphenyl-d14	13.21	244	933823	81.05	ng	-0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.32	77	29417	Below Cal		83
18) Hexachloroethane	7.22	117	37269	2.77 ng	#	20
24) Nitrobenzene	7.17	77	21066	2.36 ng	#	13
25) Isophorone	7.46	82	60935	3.76 ng	#	59
31) Naphthalene	7.90	128	18306832	917.05 ng	#	83
33) 4-Chloroaniline	7.90	127	3491056	405.67 ng	#	34
35) Caprolactam	8.28	113	32380	17.42 ng	#	1
37) 2-Methylnaphthalene	8.56	142	4422276	331.47 ng	#	94
45) 1,1'-Biphenyl	9.01	154	1946619	97.13 ng		94
47) 2-Nitroaniline	9.17	65	20327	3.36 ng	#	27
48) Acenaphthylene	9.45	152	2204636	90.50 ng		96
49) Dimethylphthalate	9.32	163	308182	16.59 ng		98
50) 2,6-Dinitrotoluene	9.29	165	17511	4.41 ng	#	53
51) Acenaphthene	9.63	154	4253339	296.82 ng		97
53) 2,4-Dinitrophenol	9.66	184	2700	2.57 ng	#	1
54) Dibenzofuran	9.79	168	621228	29.58 ng	#	87
55) 4-Nitrophenol	9.79	139	224357	77.15 ng	#	1
56) 2,4-Dinitrotoluene	9.79	165	48642	9.66 ng	#	57
57) Fluorene	10.13	166	3342591	201.58 ng		99
65) n-Nitrosodiphenylamine	10.25	169	142007	12.83 ng	#	86
70) Phenanthrene	11.24	178	3452988	185.28 ng		94
71) Anthracene	11.24	178	3452988	184.04 ng		95
72) Carbazole	11.40	167	156476	9.28 ng	#	91
74) Fluoranthene	12.69	202	7133537	369.26 ng		96
77) Pyrene	12.81	202	2342242	122.05 ng		99
80) Benzo(a)anthracene	14.81	228	3450113	204.94 ng		92
81) 3,3'-Dichlorobenzidine	14.83	252	62266	11.84 ng	#	1
82) Chrysene	14.81	228	3458229	212.61 ng		96
83) Bis(2-ethylhexyl)phthalate	14.85	149	26413	2.42 ng	#	96
85) Indeno(1,2,3-cd)pyrene	18.05	276	409281	34.55 ng		93
87) Benzo(b)fluoranthene	16.33	252	4348795	264.51 ng		99
88) Benzo(k)fluoranthene	16.33	252	4348795	280.12 ng	#	95
89) Benzo(a)pyrene	16.77	252	3379426	239.31 ng	#	96
90) Dibenzo(a,h)anthracene	18.27	278	104884	8.52 ng		97

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SB-P3WC-15(0-8)

Quant Time: Dec 03 12:28:00 2015
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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

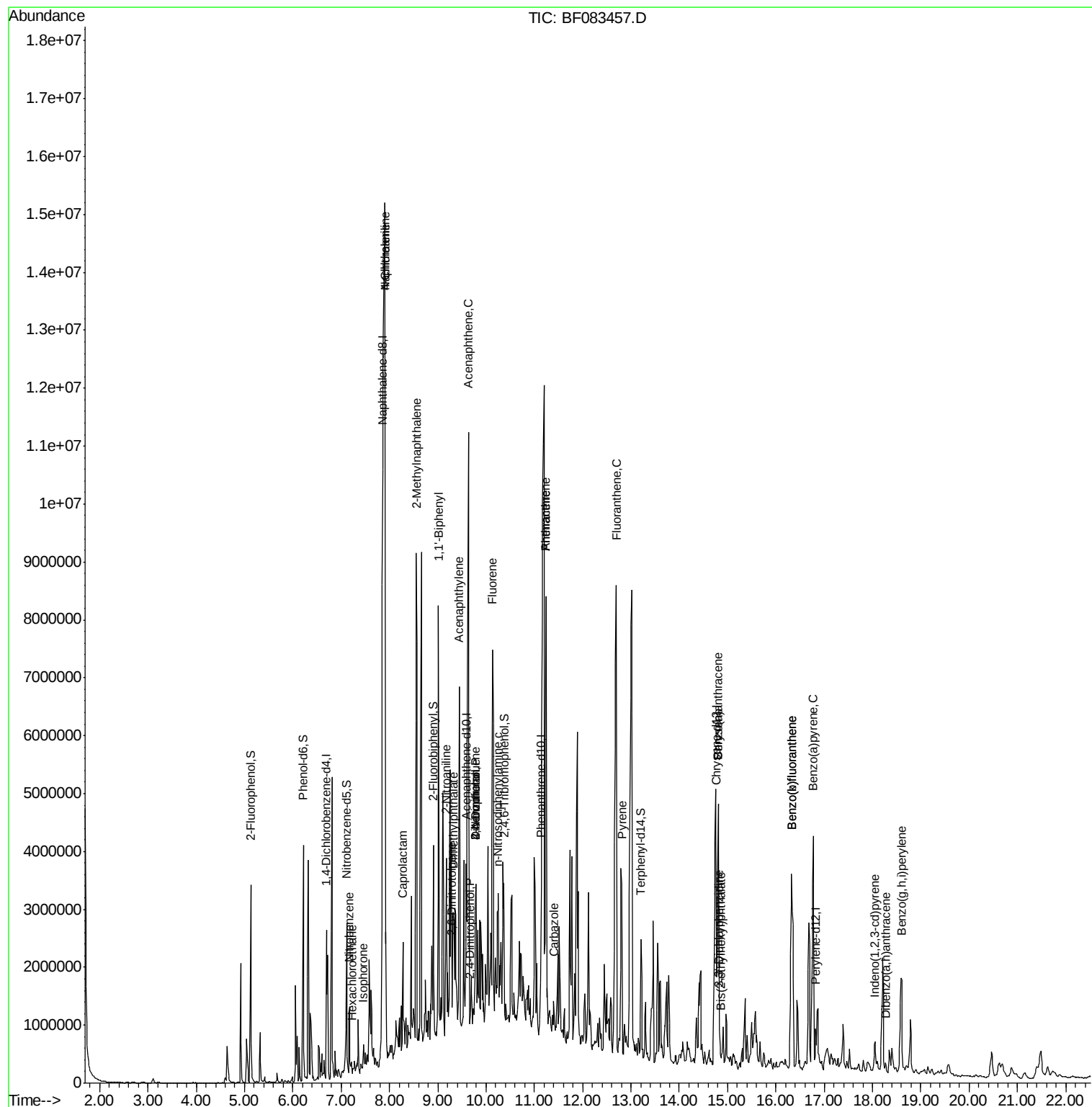
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	18.60	276	1664256	137.81	ng	98

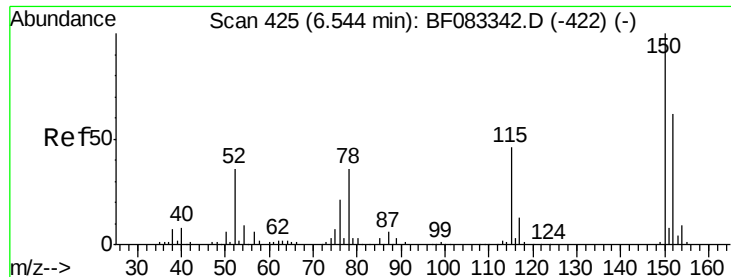
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 438

Delta R.T. 0.15 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

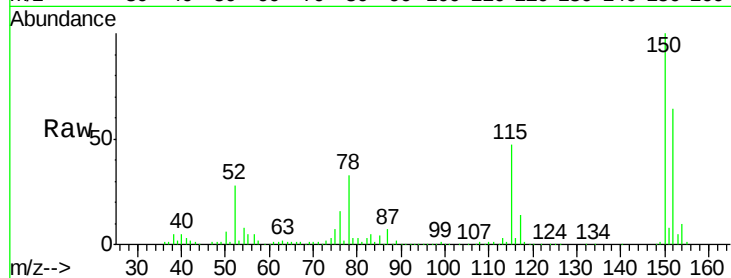
Tot Ion:152 Resp: 458003

Ion Ratio Lower Upper

152 100

150 155.7 129.8 194.8

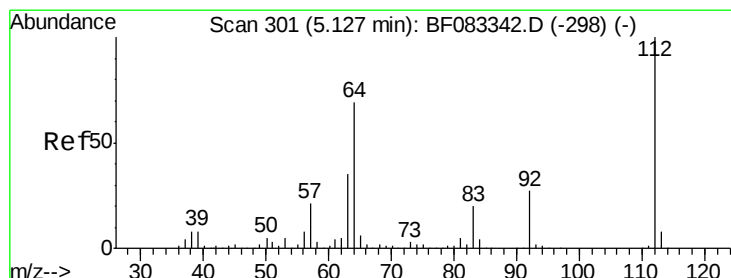
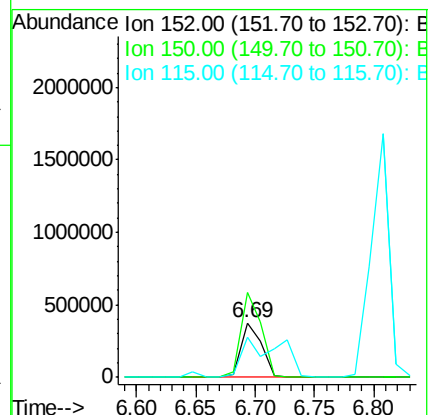
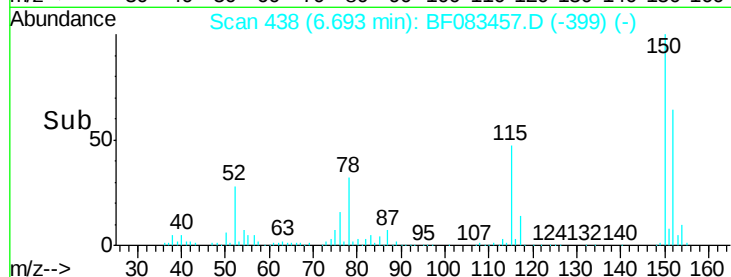
115 73.4 59.2 88.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 35.10 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

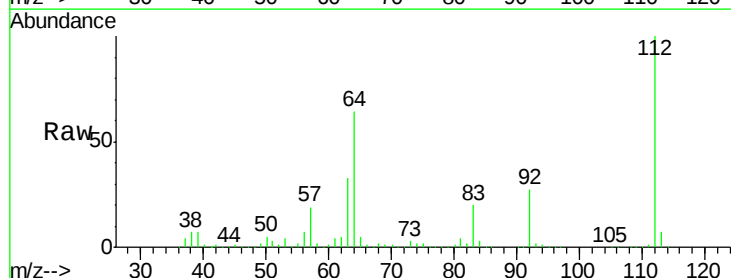
Tgt Ion:112 Resp: 1071218

Ion Ratio Lower Upper

112 100

64 63.7 55.6 83.4

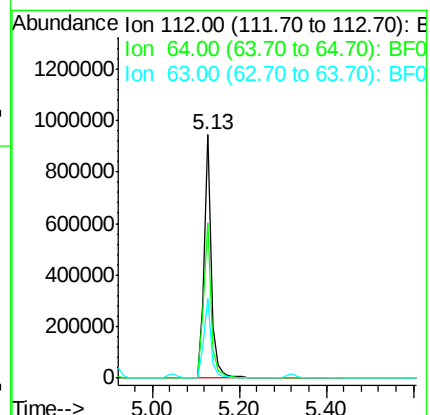
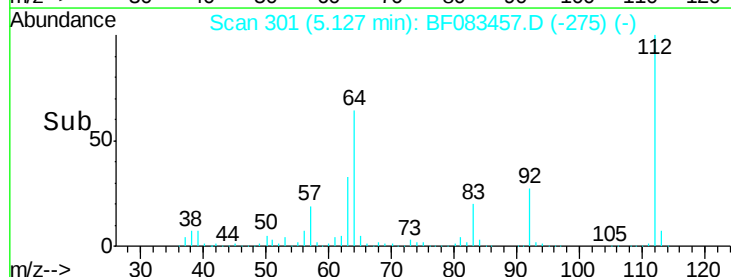
63 32.6 28.2 42.2

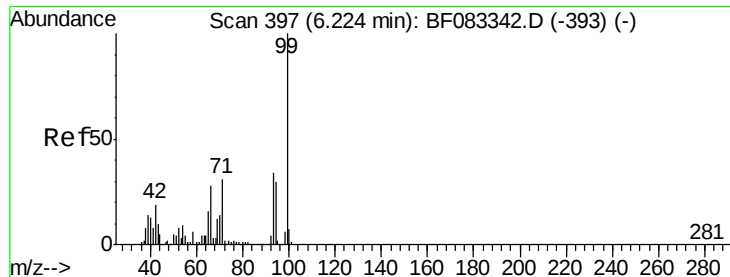


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.18 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

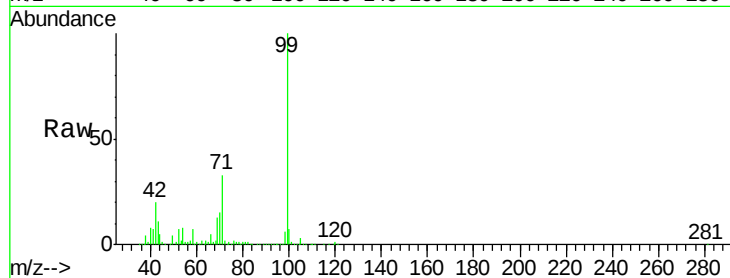
Tot Ion: 99 Resp: 1511696

Ion Ratio Lower Upper

99 100

42 20.1 14.9 22.3

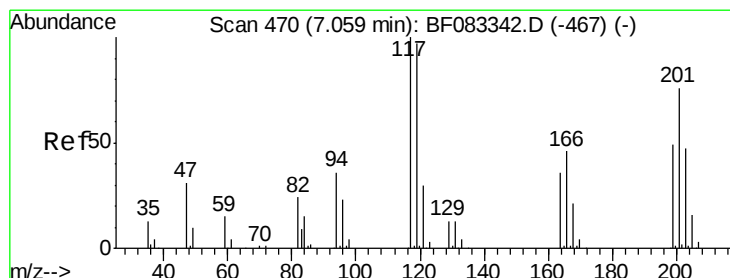
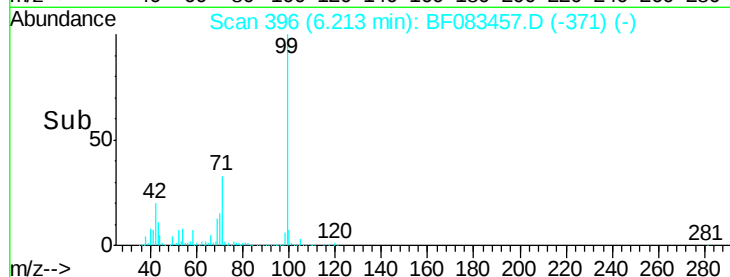
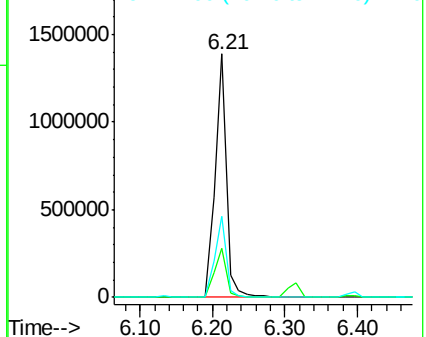
71 33.5 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 2.77 ng

RT: 7.22 min Scan# 484

Delta R.T. 0.16 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

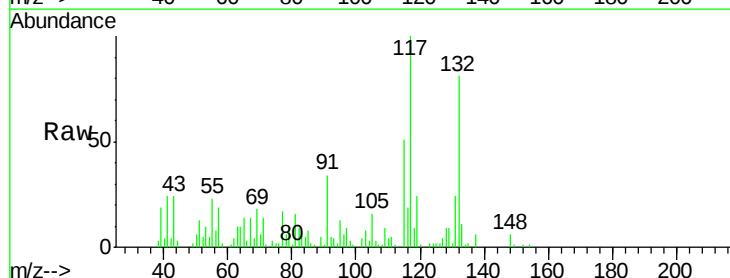
Tgt Ion: 117 Resp: 37269

Ion Ratio Lower Upper

117 100

119 24.2 77.3 115.9#

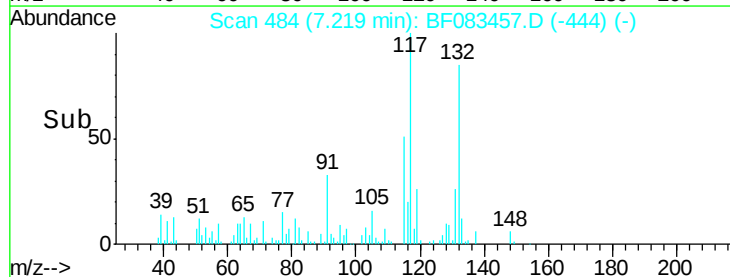
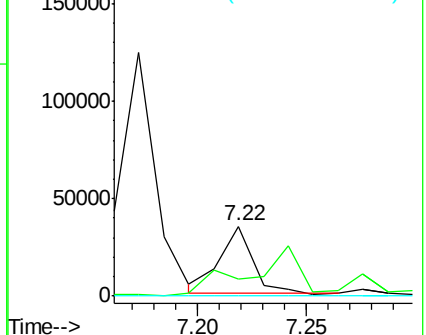
201 0.0 60.6 90.8#

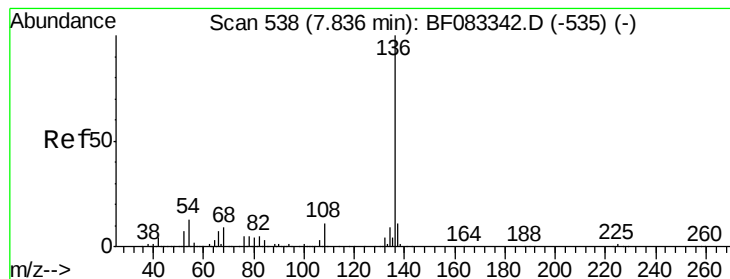


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 540

Delta R.T. 0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

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SB-P3WC-15(0-8)

Tot Ion:136 Resp: 367923

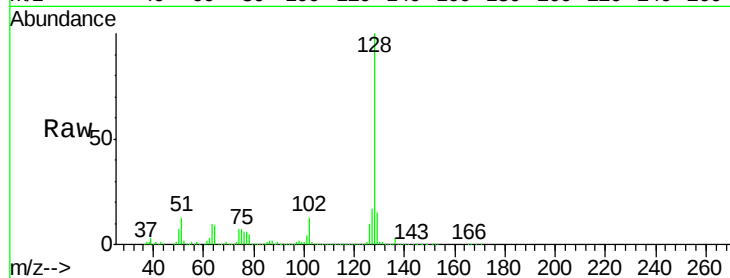
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.4

54 13.0 10.1 15.1

68 9.9 7.1 10.7

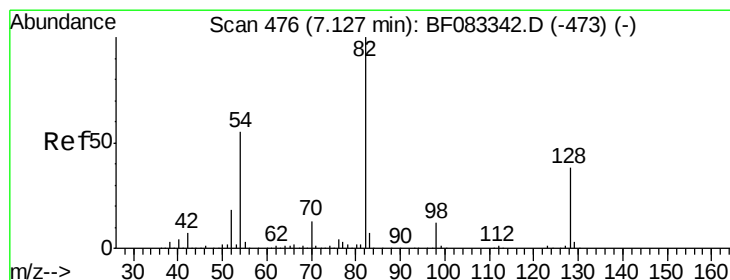
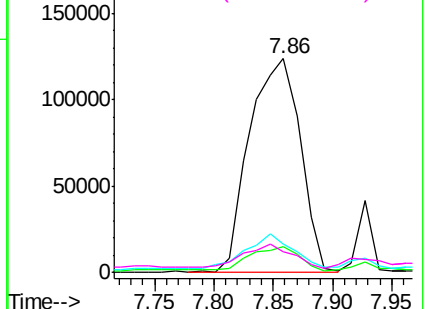
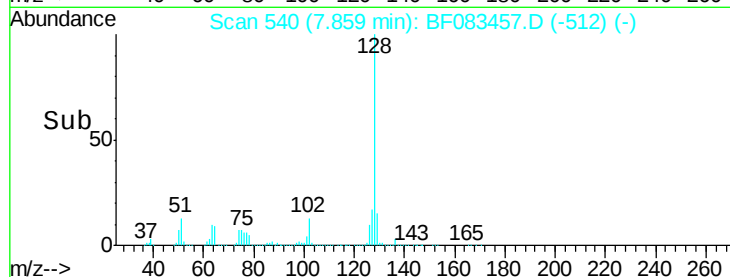


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 111.90 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

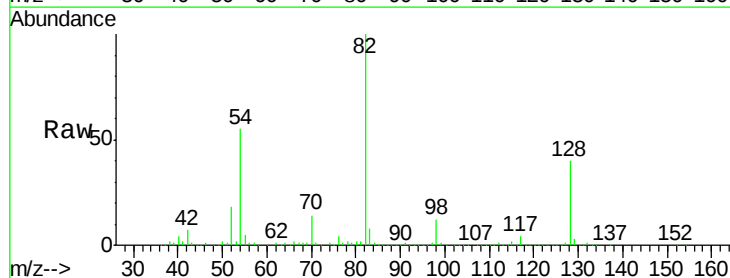
Tgt Ion: 82 Resp: 936575

Ion Ratio Lower Upper

82 100

128 39.9 30.6 46.0

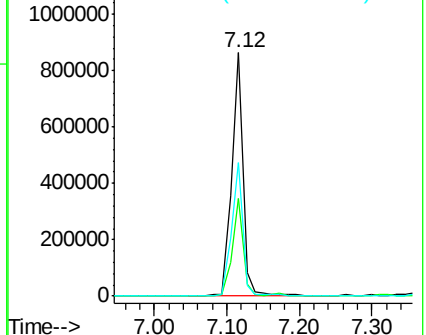
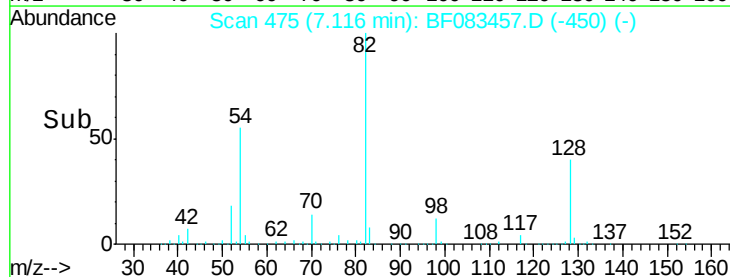
54 55.0 43.8 65.6

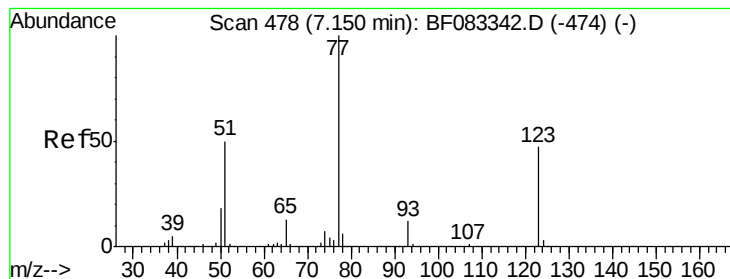


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.36 ng

RT: 7.17 min Scan# 480

Delta R.T. 0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

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ClientSampleId :

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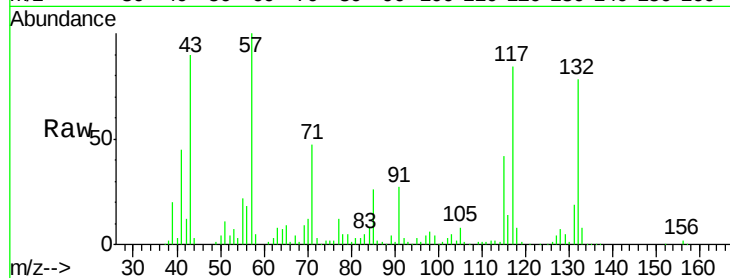
Tot Ion: 77 Resp: 21066

Ion Ratio Lower Upper

77 100

123 3.2 37.4 56.0#

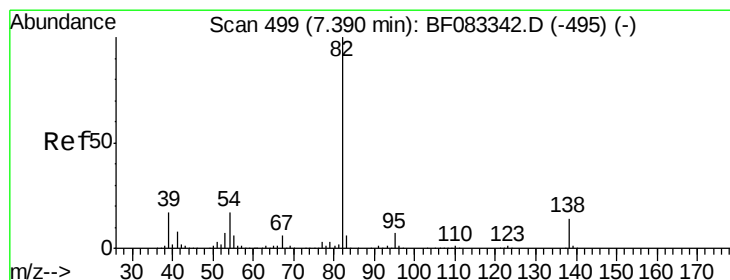
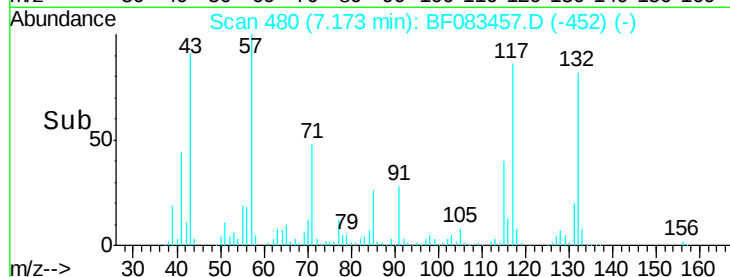
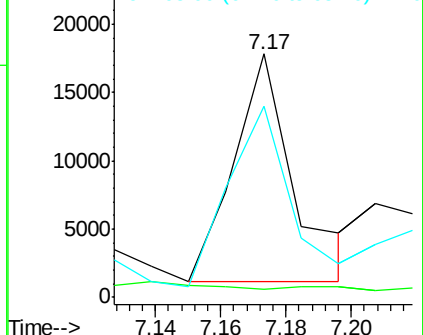
65 78.7 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 3.76 ng

RT: 7.46 min Scan# 505

Delta R.T. 0.07 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

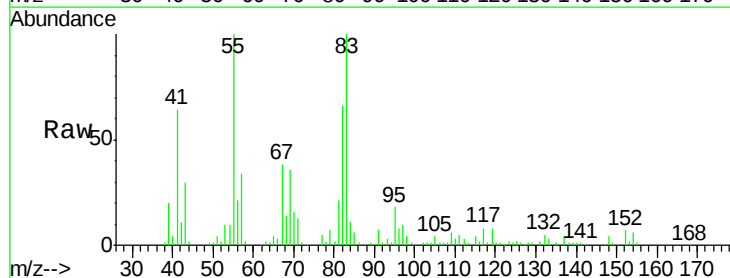
Tgt Ion: 82 Resp: 60935

Ion Ratio Lower Upper

82 100

95 26.8 5.3 7.9#

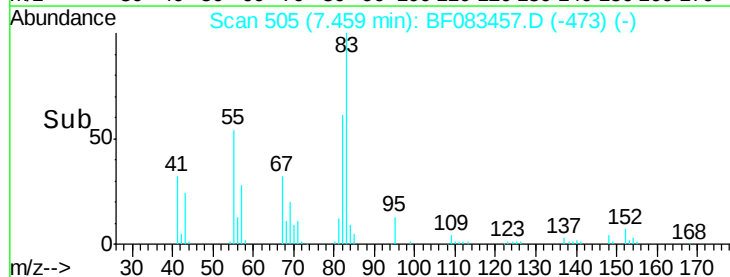
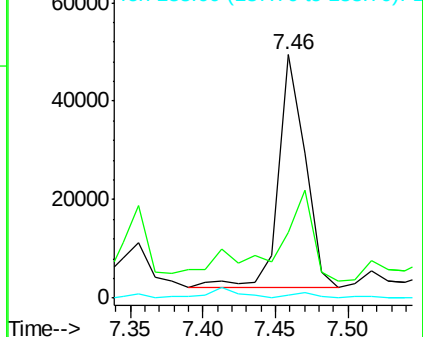
138 1.1 11.6 17.4#

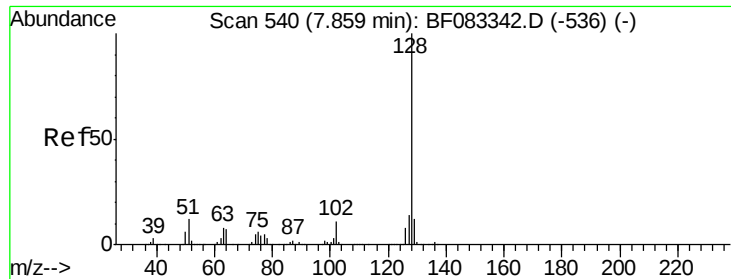


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

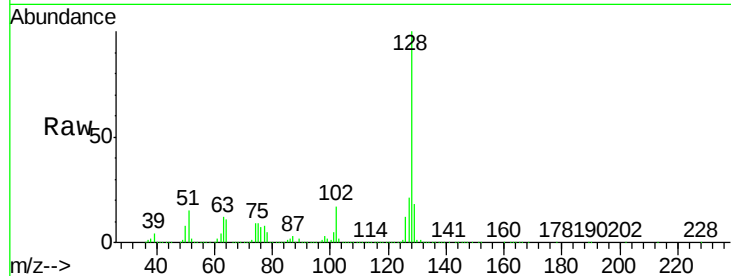




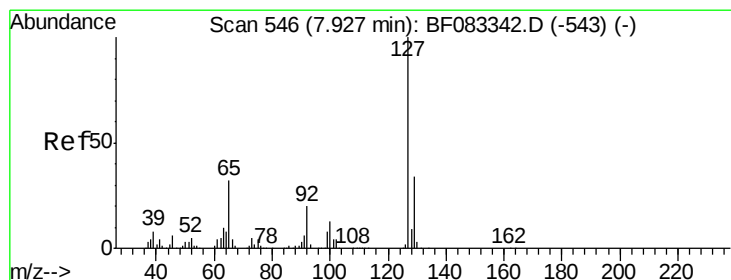
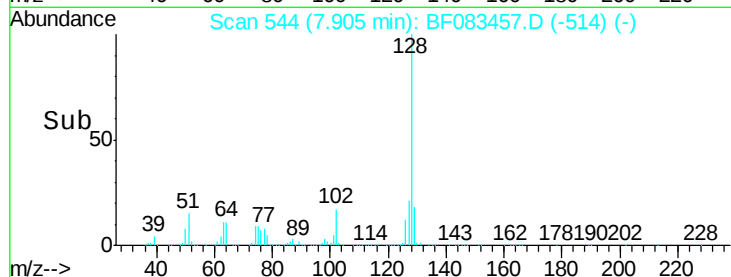
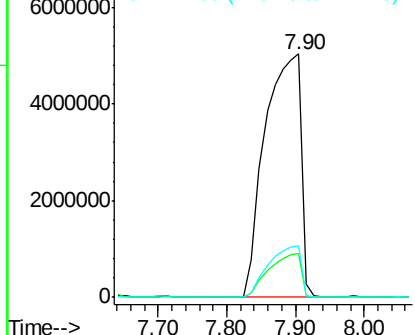
#31
Naphthalene
Concen: 917.05 ng
RT: 7.90 min Scan# 544
Delta R.T. 0.05 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Instrument :
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ClientSampleId :
SB-P3WC-15(0-8)

Tot Ion:128 Resp:18306832
Ion Ratio Lower Upper
128 100
129 17.9 9.7 14.5#
127 21.4 11.0 16.4#

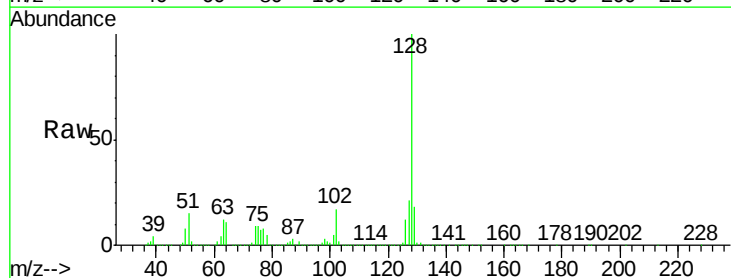


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

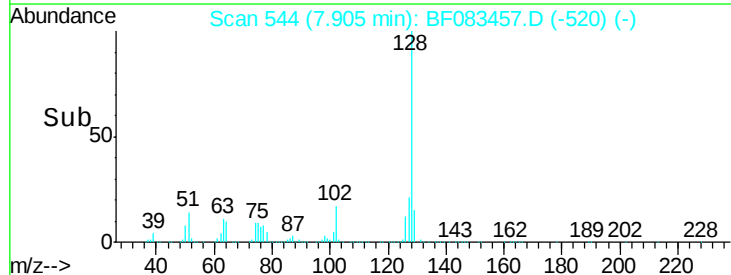
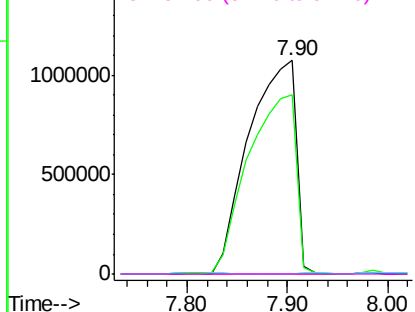


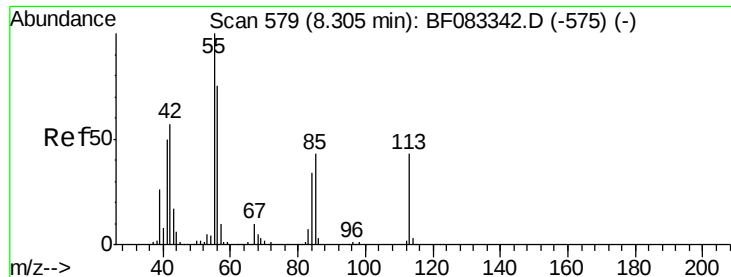
#33
4-Chloroaniline
Concen: 405.67 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Tgt Ion:127 Resp: 3491056
Ion Ratio Lower Upper
127 100
129 84.0 27.0 40.4#
65 0.0 25.9 38.9#
92 0.2 15.8 23.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 17.42 ng

RT: 8.28 min Scan# 577

Delta R.T. -0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

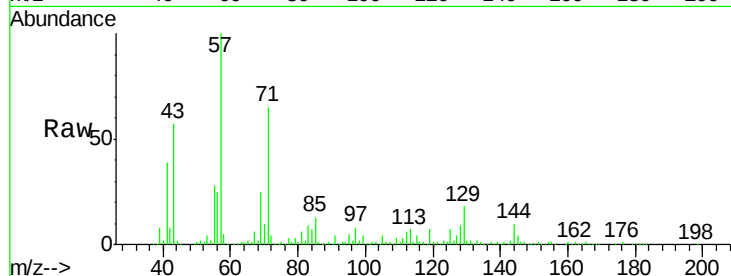
Tot Ion:113 Resp: 32380

Ion Ratio Lower Upper

113 100

55 395.3 211.6 251.6#

56 347.7 153.0 193.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

150000

100000

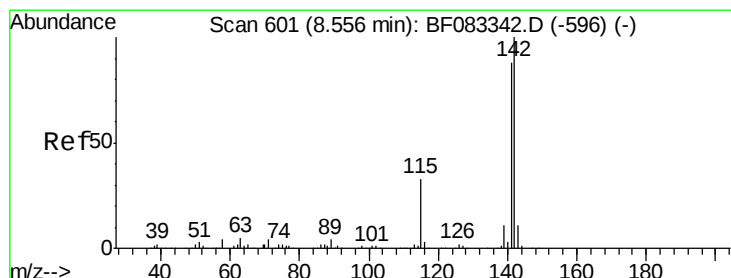
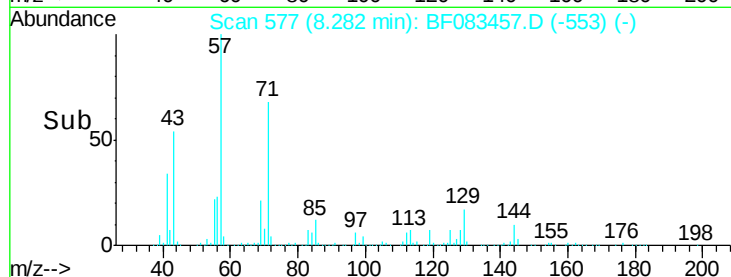
50000

0

8.25 8.30 8.35

8.28

Time-->



#37

2-Methylnaphthalene

Concen: 331.47 ng

RT: 8.56 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

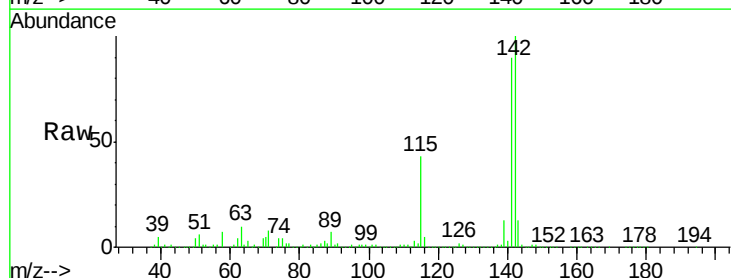
Tgt Ion:142 Resp: 4422276

Ion Ratio Lower Upper

142 100

141 90.3 70.6 105.8

115 42.7 26.2 39.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

3000000

2500000

2000000

1500000

1000000

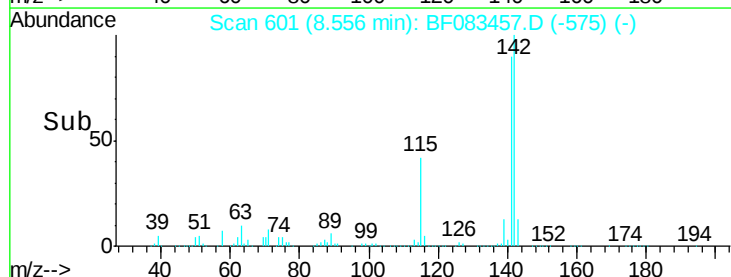
500000

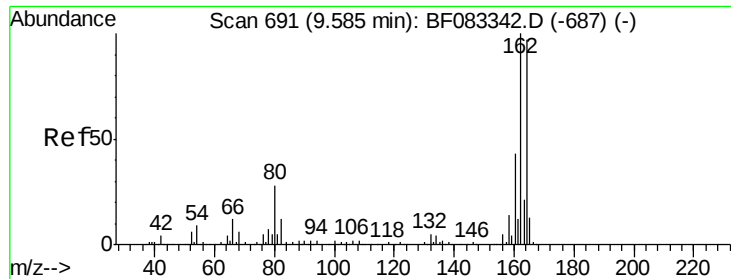
0

8.50 8.55 8.60 8.65

8.56

Time-->

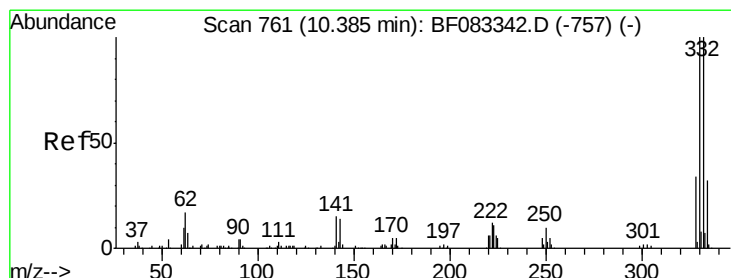
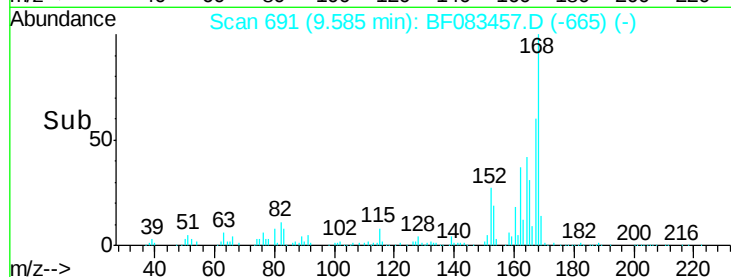
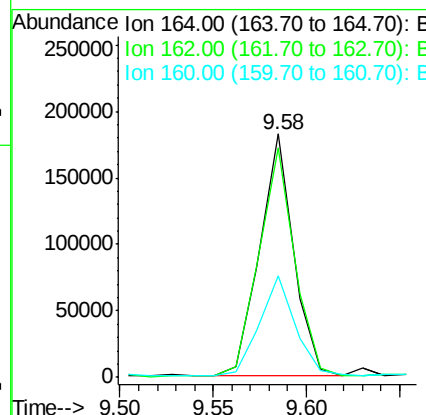
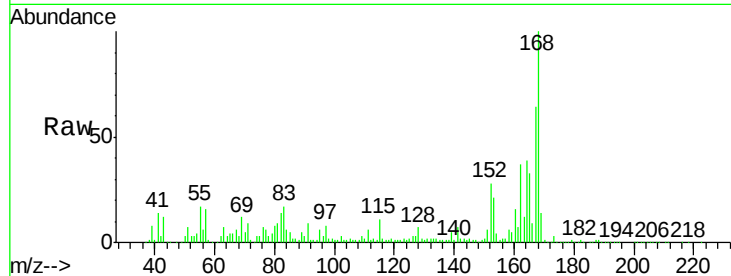




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

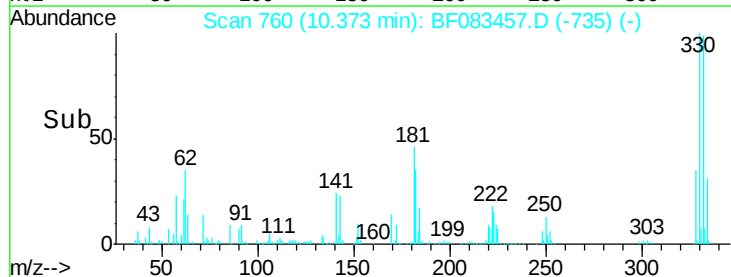
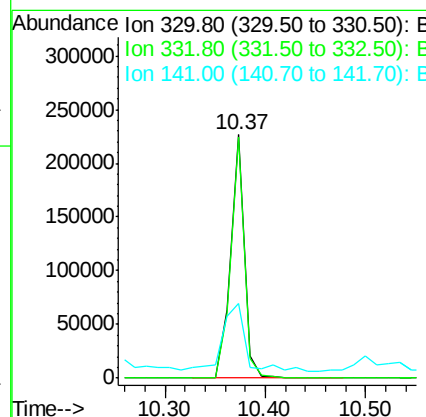
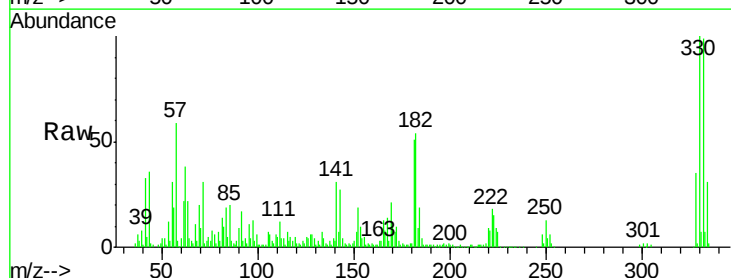
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)

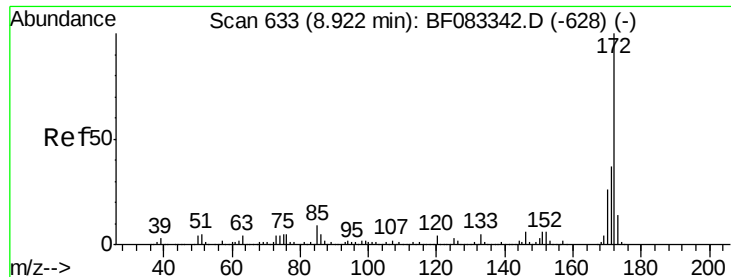
Tot Ion	Ratio	Lower	Upper
164	100		
162	94.4	82.6	123.8
160	41.7	35.3	52.9



#41
2,4,6-Tribromophenol
Concen: 94.60 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.8	116.6
141	40.6	29.4	44.0





#44

2-Fluorobiphenyl

Concen: 75.03 ng

RT: 8.91 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

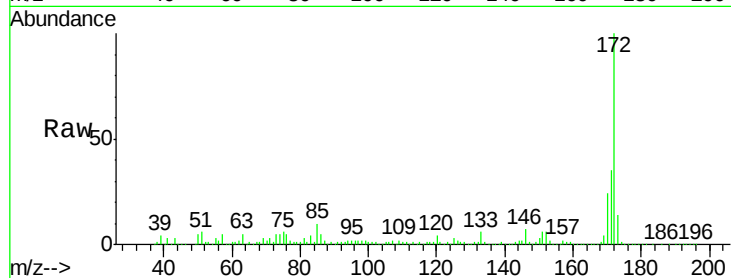
BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

Tot Ion:172 Resp: 1203407

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.7	20.4	30.6

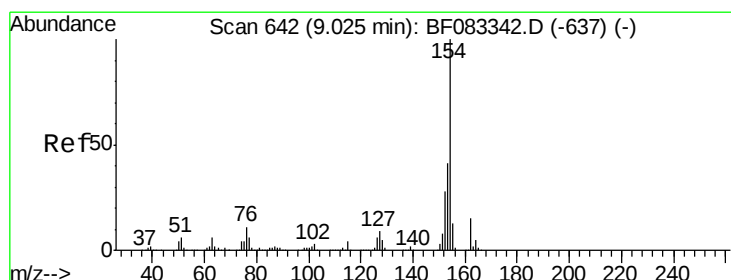
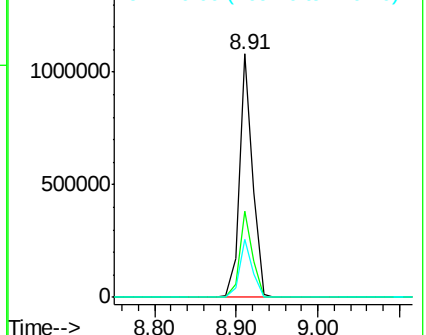
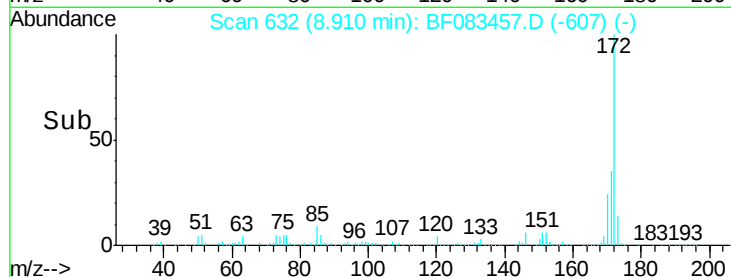


Abundance

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: 97.13 ng

RT: 9.01 min Scan# 641

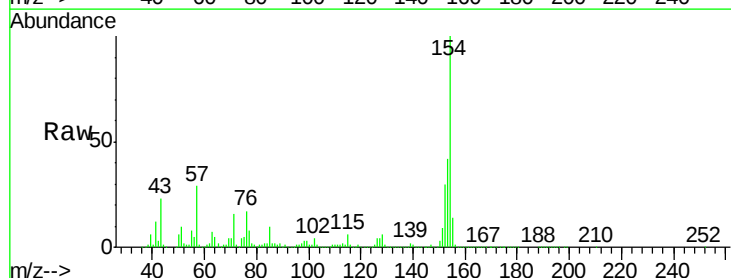
Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Tgt Ion:154 Resp: 1946619

Ion	Ratio	Lower	Upper
154	100		
153	42.1	20.6	60.6
76	17.5	0.0	30.5

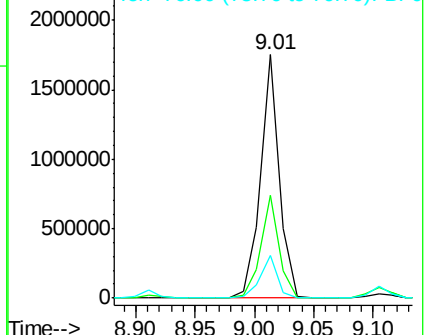
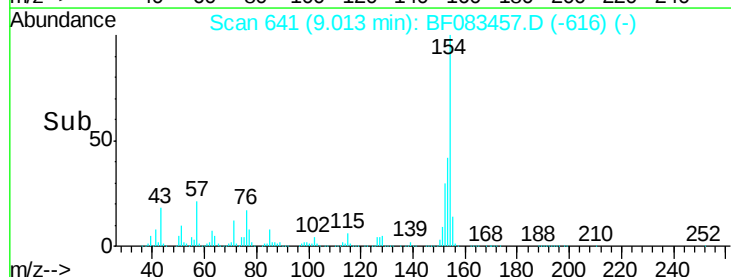


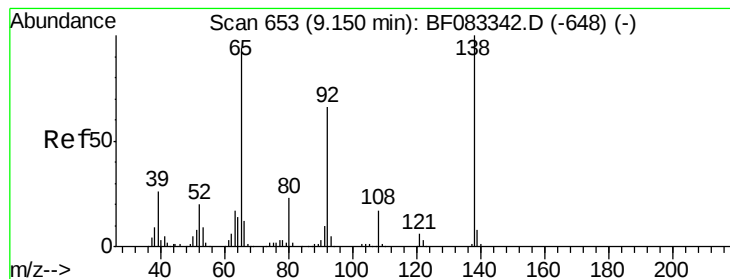
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 3.36 ng

RT: 9.17 min Scan# 655

Delta R.T. 0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

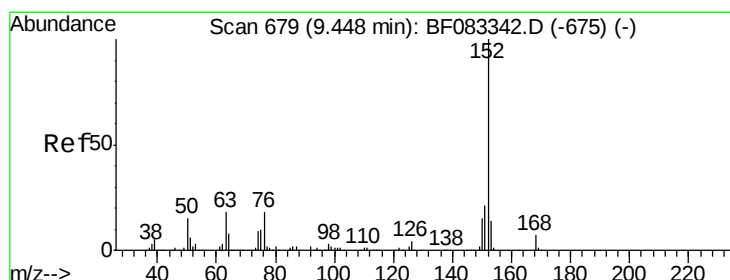
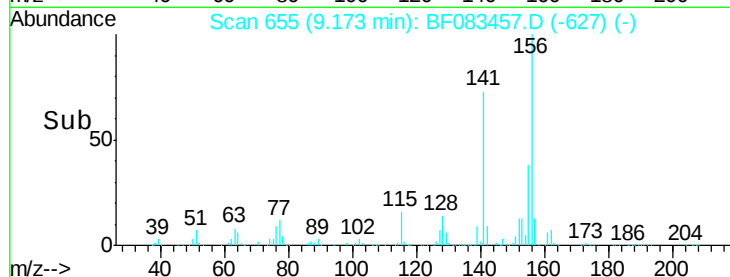
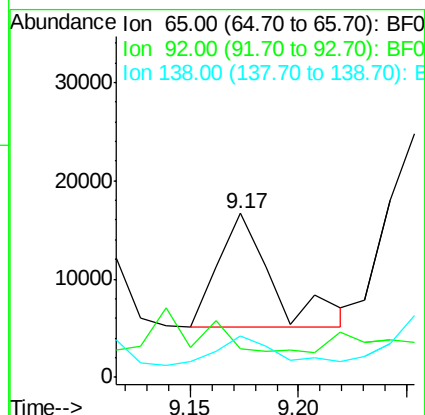
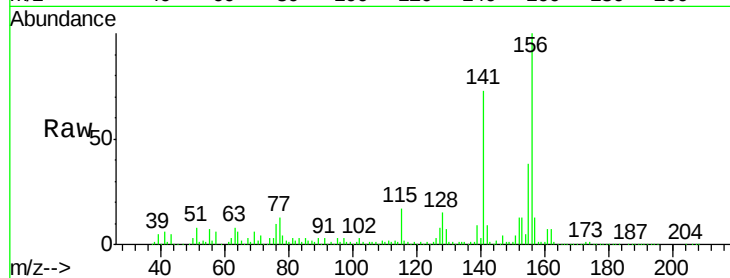
Tot Ion: 65 Resp: 20327

Ion Ratio Lower Upper

65 100

92 17.5 56.2 84.4#

138 25.0 85.4 128.0#



#48

Acenaphthylene

Concen: 90.50 ng

RT: 9.45 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

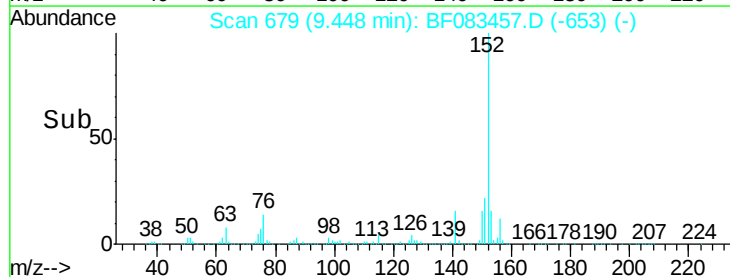
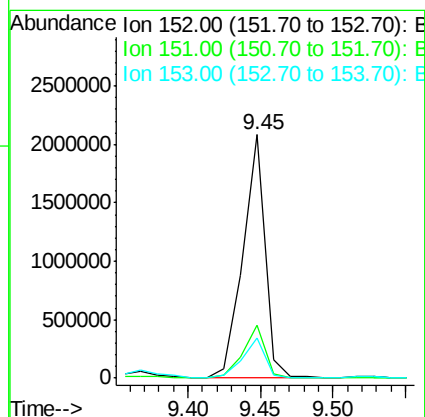
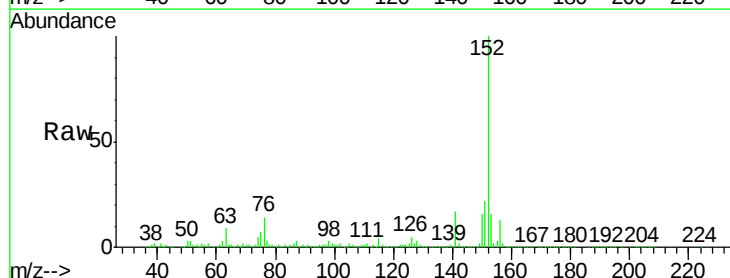
Tgt Ion:152 Resp: 2204636

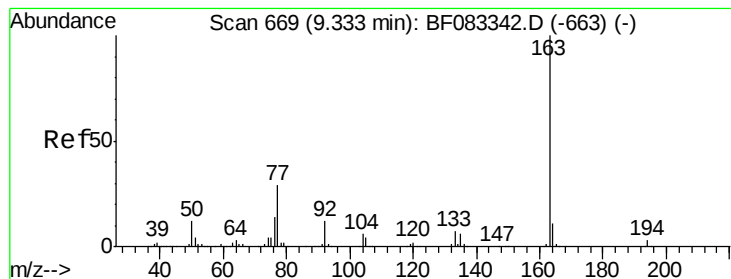
Ion Ratio Lower Upper

152 100

151 21.9 16.7 25.1

153 16.5 11.2 16.8





#49

Dimethylphthalate

Concen: 16.59 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

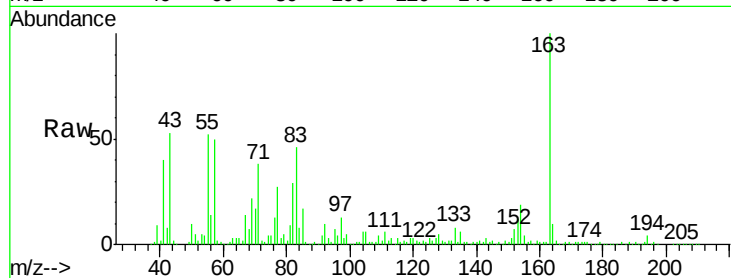
Tot Ion:163 Resp: 308182

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

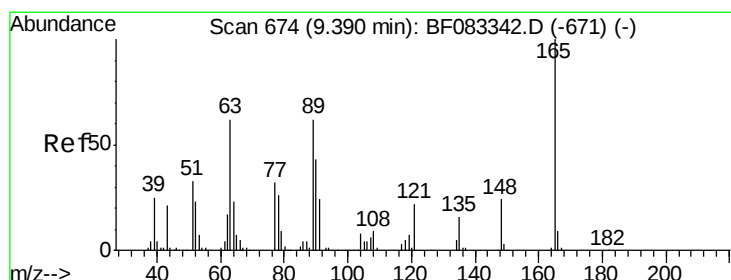
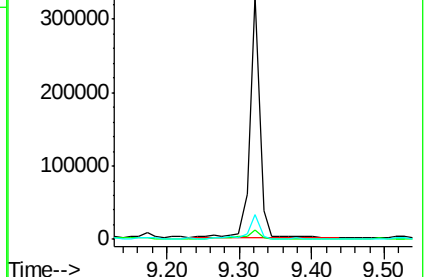
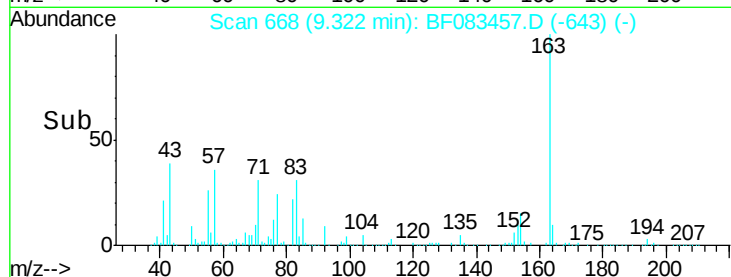
164 10.2 8.8 13.2



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: 4.41 ng

RT: 9.29 min Scan# 665

Delta R.T. -0.10 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

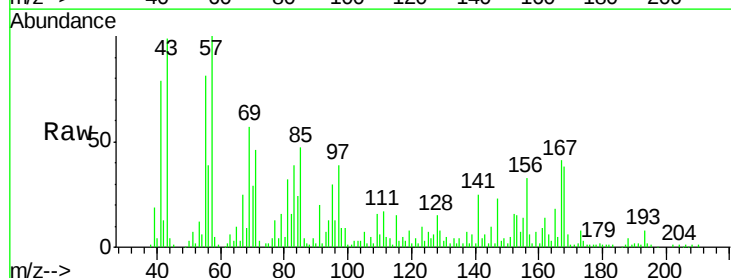
Tgt Ion:165 Resp: 17511

Ion Ratio Lower Upper

165 100

63 32.8 56.0 84.0#

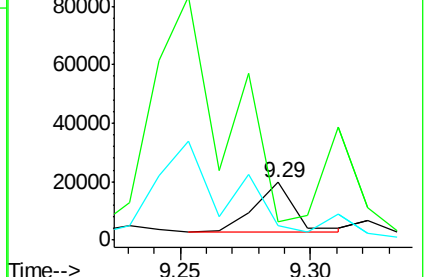
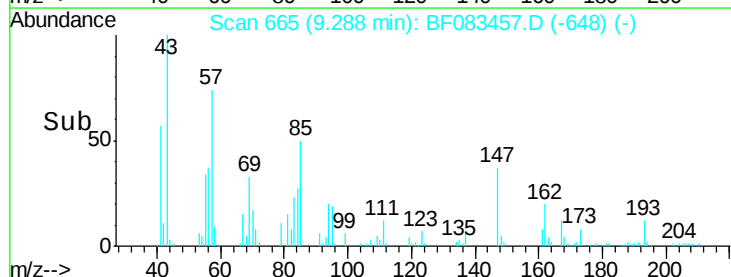
89 24.7 49.8 74.8#

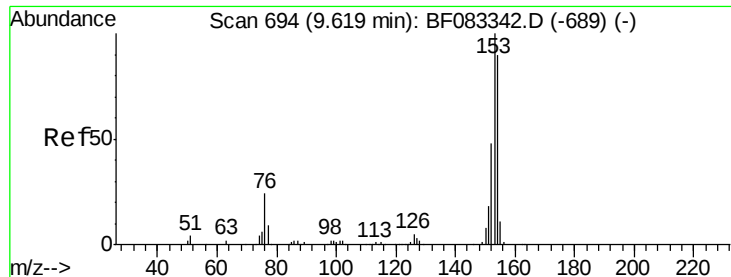


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 296.82 ng

RT: 9.63 min Scan# 695

Delta R.T. 0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

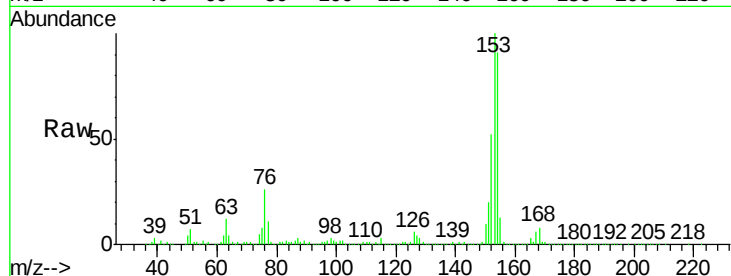
Tot Ion:154 Resp: 4253339

Ion Ratio Lower Upper

154 100

153 110.4 89.3 133.9

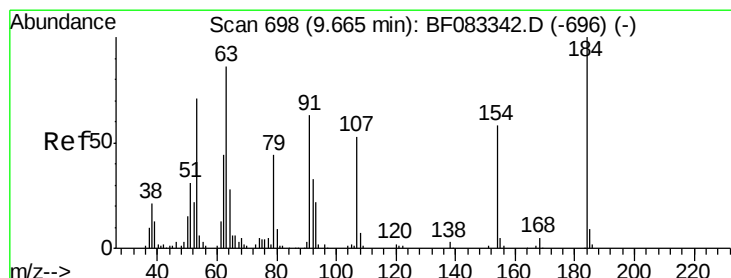
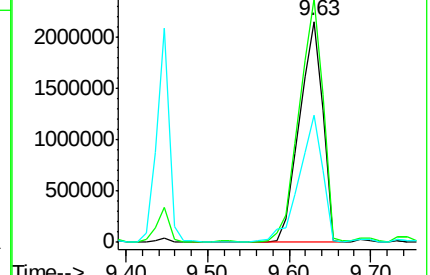
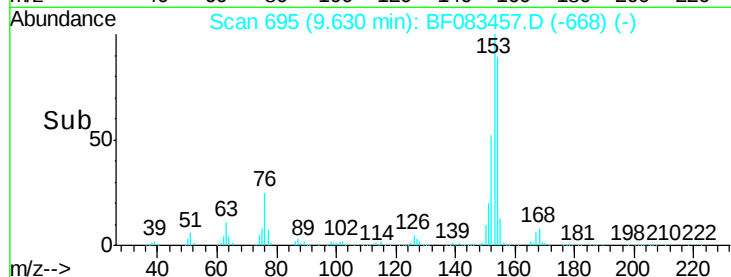
152 57.9 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 2.57 ng

RT: 9.66 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

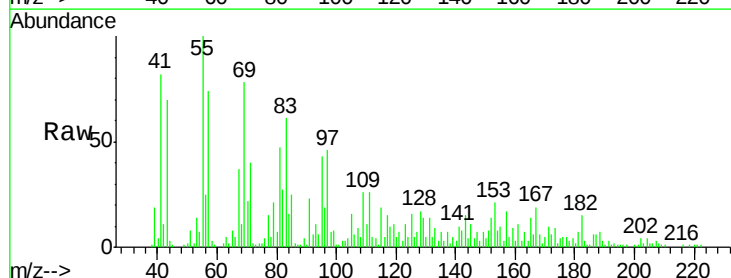
Tgt Ion:184 Resp: 2700

Ion Ratio Lower Upper

184 100

63 423.9 69.0 103.6#

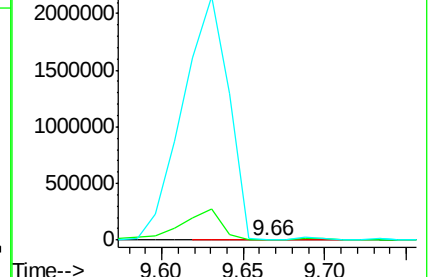
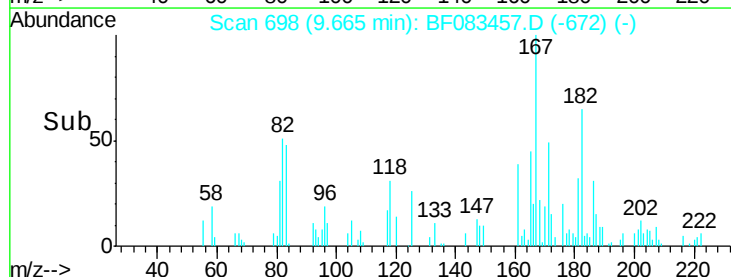
154 709.4 50.0 75.0#

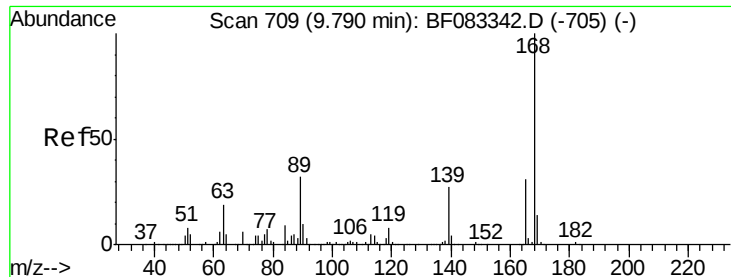


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

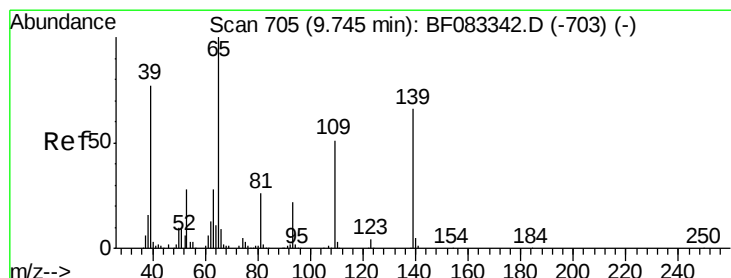
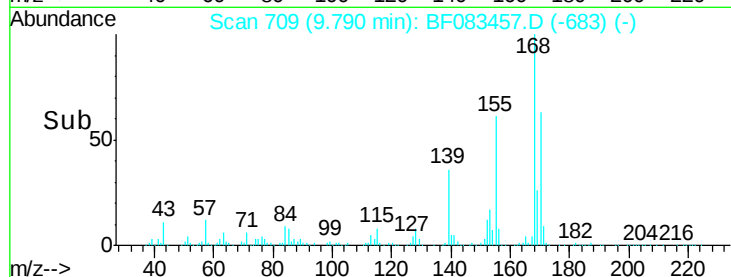
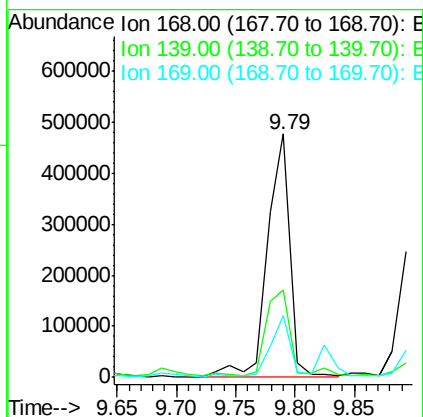
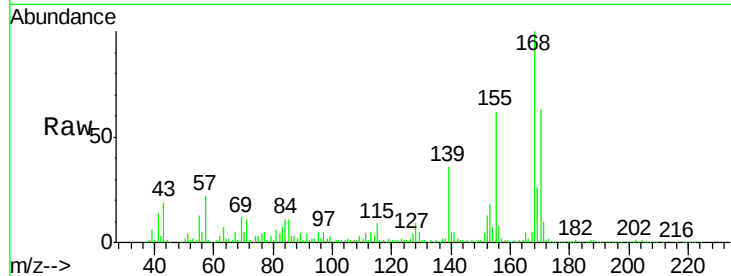




#54
Dibenzofuran
Concen: 29.58 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

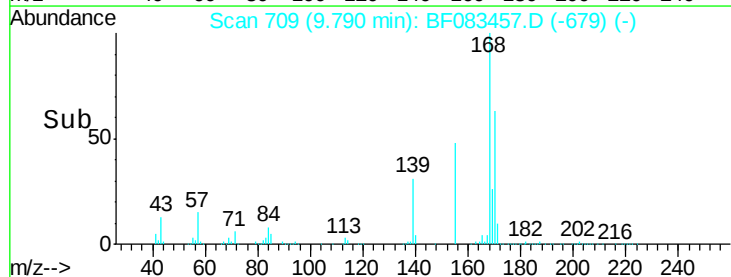
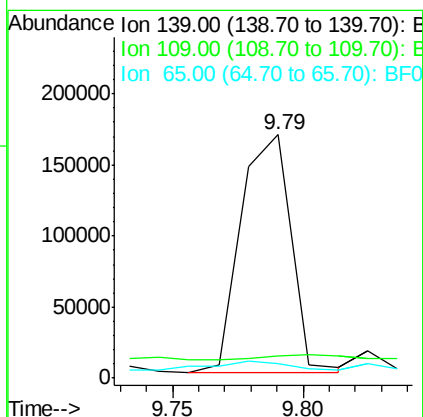
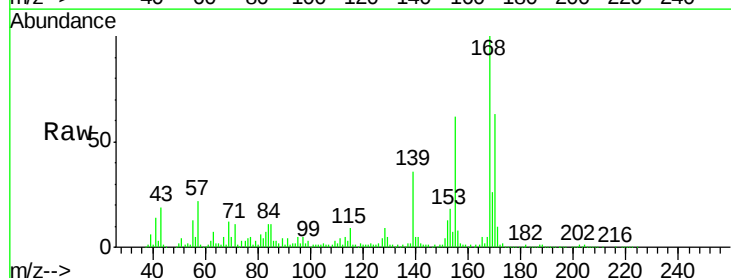
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)

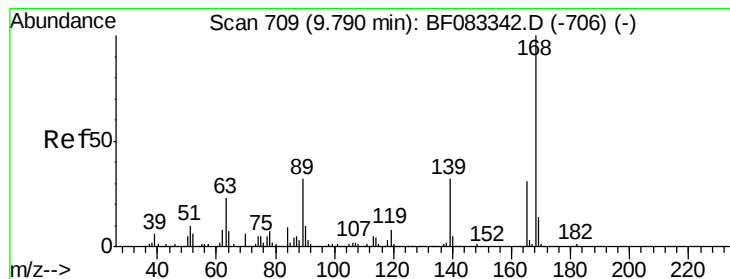
Tot Ion:168 Resp: 621228
Ion Ratio Lower Upper
168 100
139 35.9 32.7 49.1
169 25.6 11.1 16.7#



#55
4-Nitrophenol
Concen: 77.15 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.05 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Tgt Ion:139 Resp: 224357
Ion Ratio Lower Upper
139 100
109 8.9 57.4 97.4#
65 6.2 131.6 171.6#





#56

2,4-Dinitrotoluene

Concen: 9.66 ng

RT: 9.79 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

Tot Ion:165 Resp: 48642

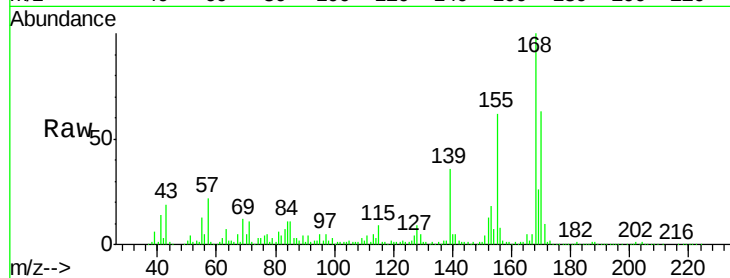
Ion Ratio Lower Upper

165 100

63 140.6 65.4 98.0#

89 76.0 81.2 121.8#

182 16.7 1.8 2.8#

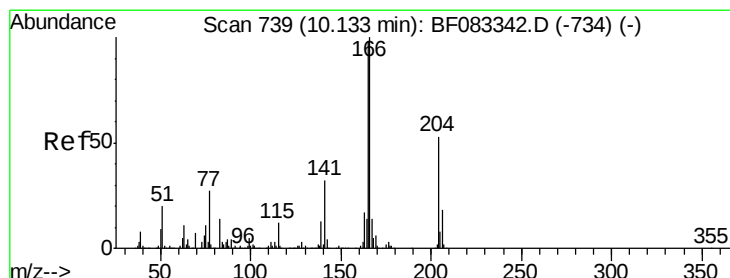
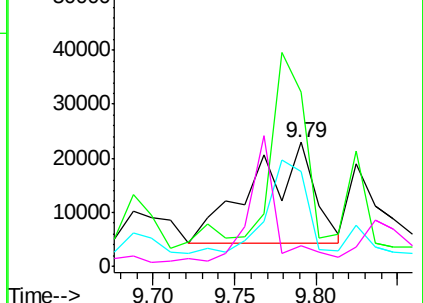
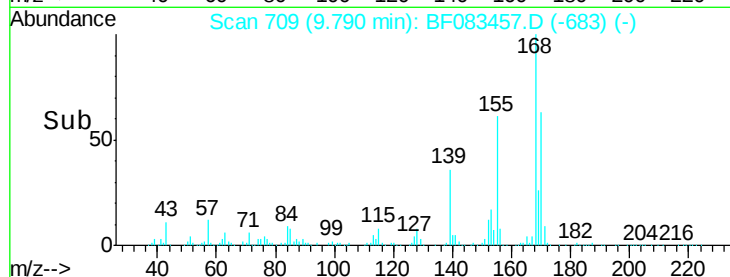


Abundance Ion 165.00 (164.70 to 165.70): E

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: 201.58 ng

RT: 10.13 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

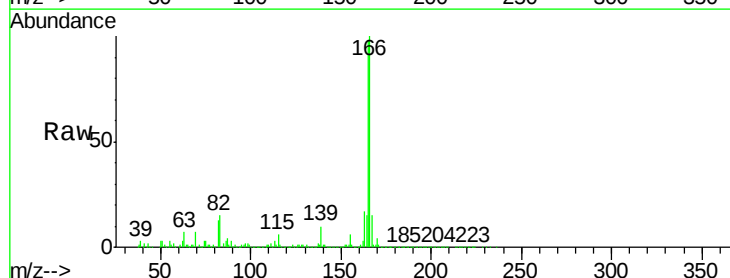
Tgt Ion:166 Resp: 3342591

Ion Ratio Lower Upper

166 100

165 97.6 78.3 117.5

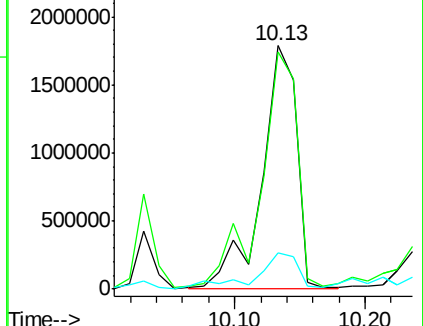
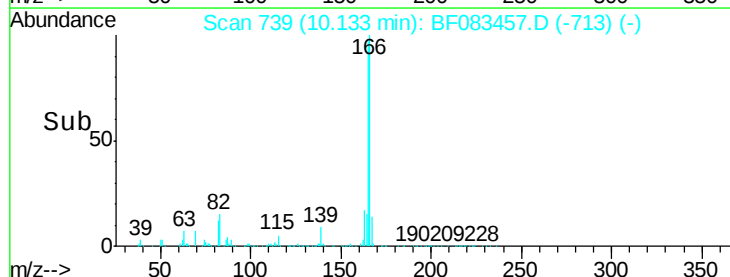
167 14.9 11.1 16.7

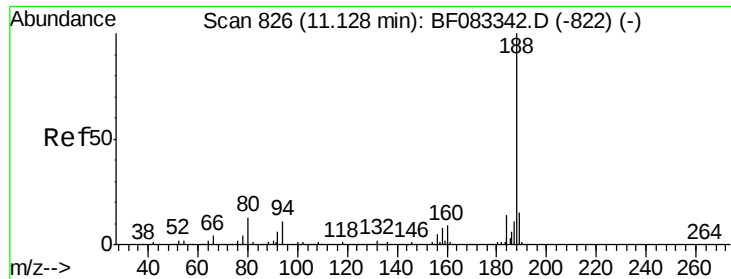


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

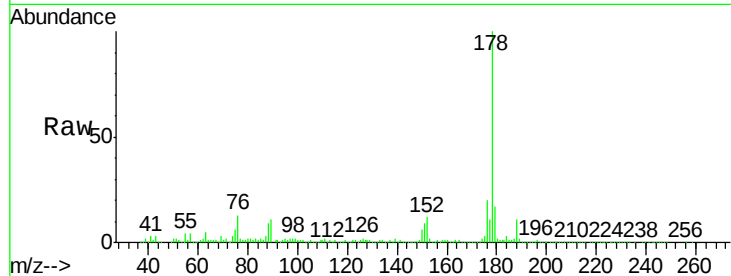




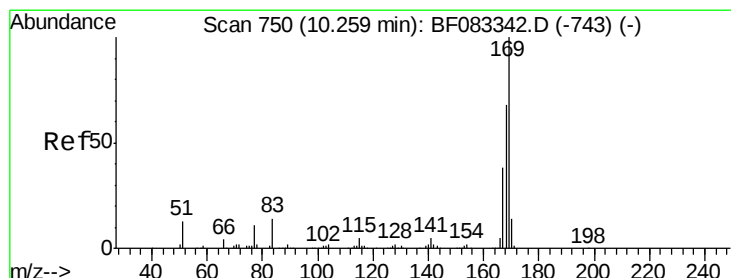
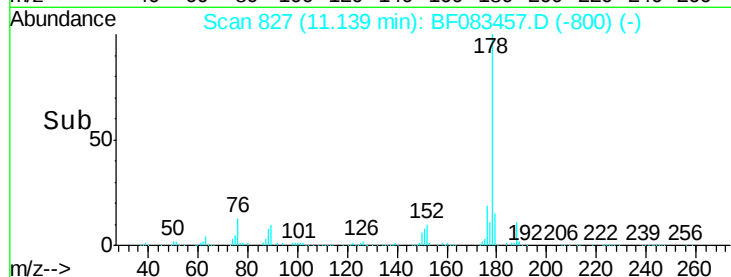
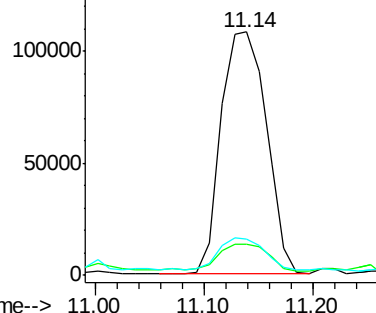
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)

Tot Ion:188 Resp: 314924
Ion Ratio Lower Upper
188 100
94 12.9 8.7 13.1
80 15.1 10.3 15.5

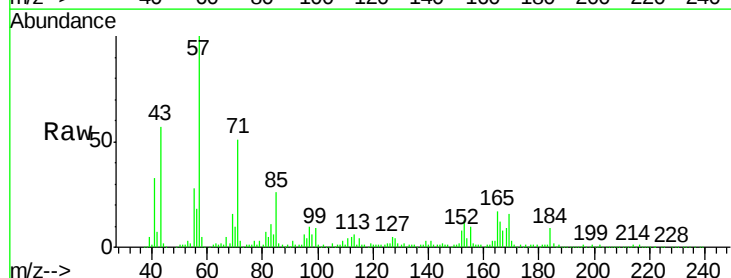


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

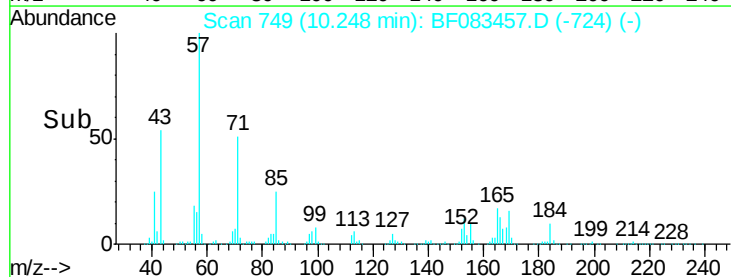
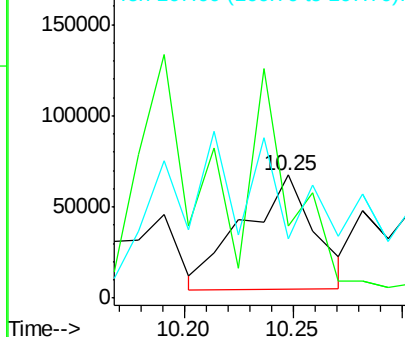


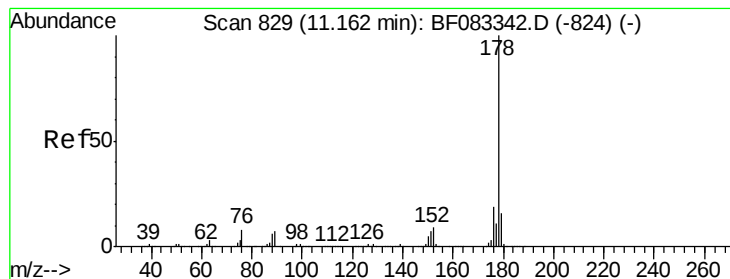
#65
n-Nitrosodiphenylamine
Concen: 12.83 ng
RT: 10.25 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Tgt Ion:169 Resp: 142007
Ion Ratio Lower Upper
169 100
168 58.9 54.8 82.2
167 47.9 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: 185.28 ng

RT: 11.24 min Scan# 836

Delta R.T. 0.08 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

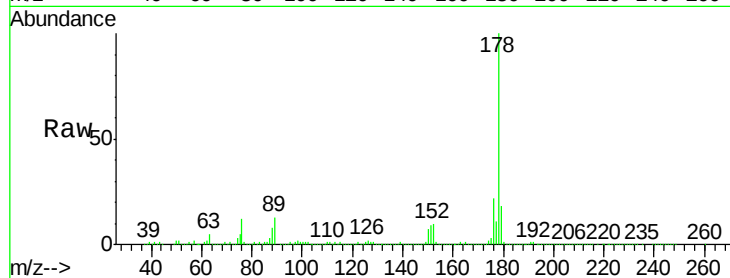
Tot Ion:178 Resp: 3452988

Ion Ratio Lower Upper

178 100

176 22.0 15.3 22.9

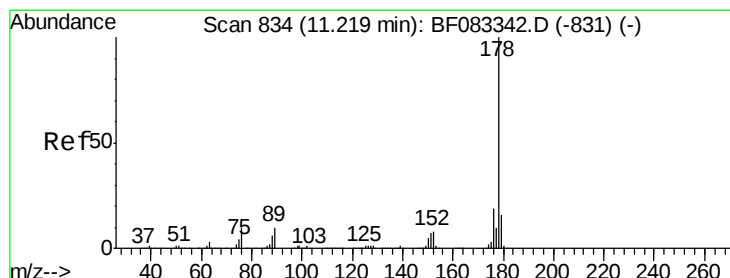
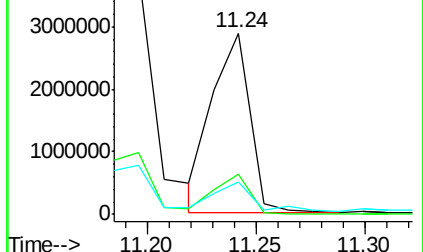
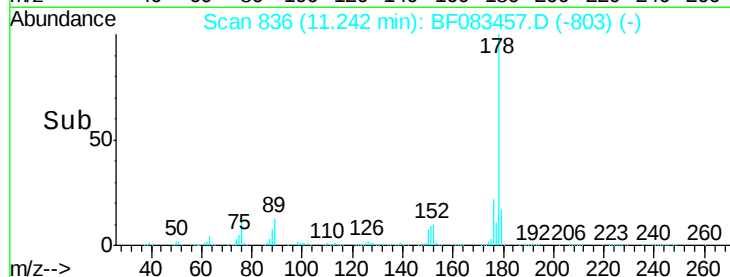
179 17.7 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 184.04 ng

RT: 11.24 min Scan# 836

Delta R.T. 0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

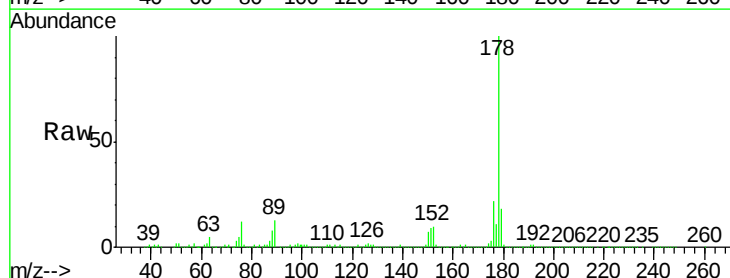
Tgt Ion:178 Resp: 3452988

Ion Ratio Lower Upper

178 100

176 22.0 15.6 23.4

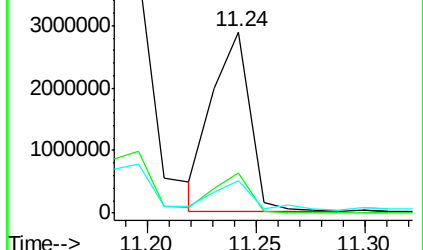
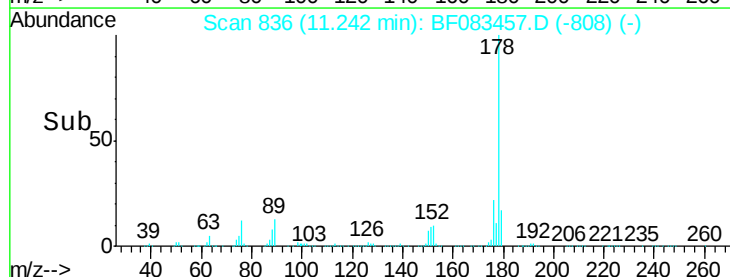
179 17.7 12.8 19.2

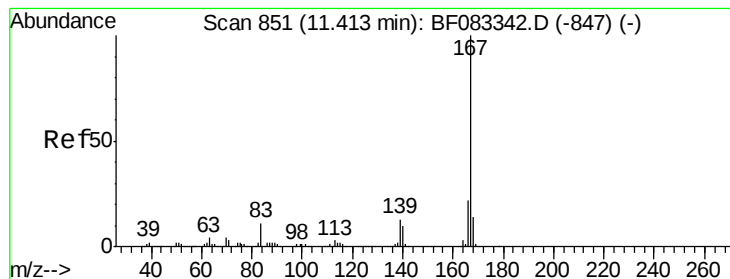


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.28 ng

RT: 11.40 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

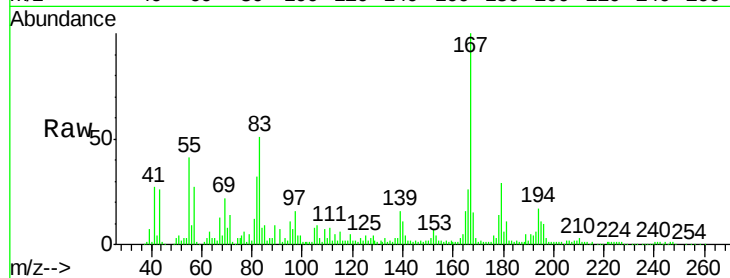
Tot Ion:167 Resp: 156476

Ion Ratio Lower Upper

167 100

166 26.4 17.4 26.0#

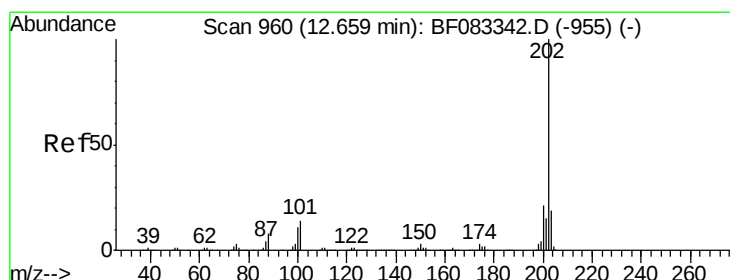
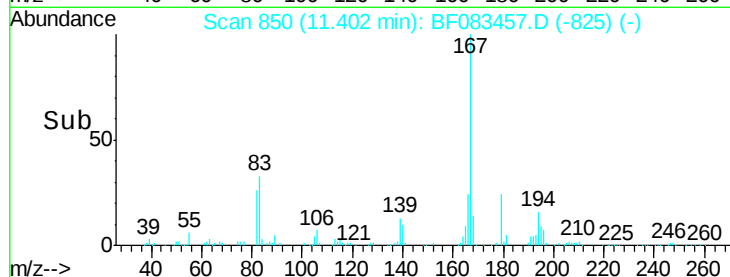
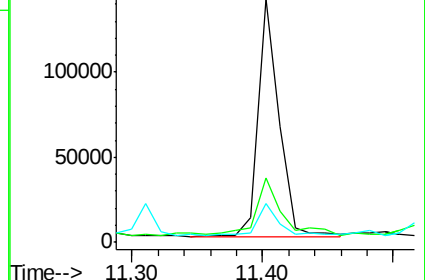
139 15.7 10.5 15.7#



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: 369.26 ng

RT: 12.69 min Scan# 963

Delta R.T. 0.03 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

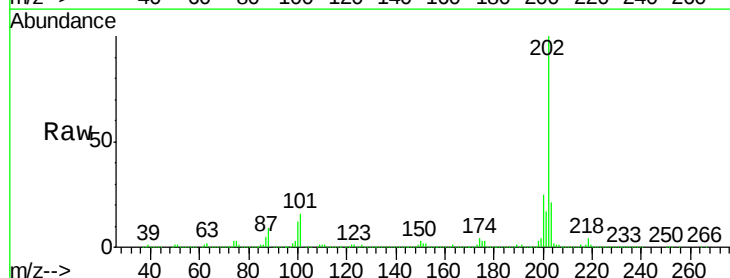
Tgt Ion:202 Resp: 7133537

Ion Ratio Lower Upper

202 100

101 16.2 0.0 34.5

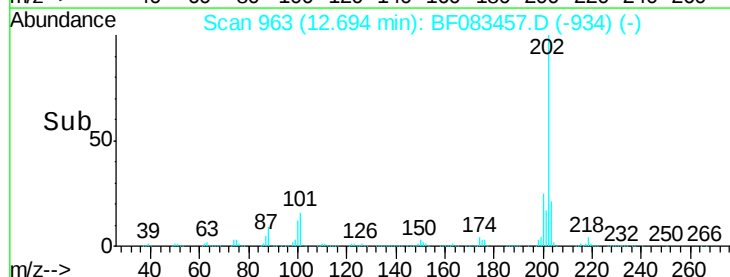
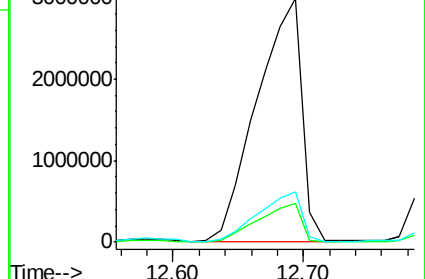
203 20.8 0.0 38.7

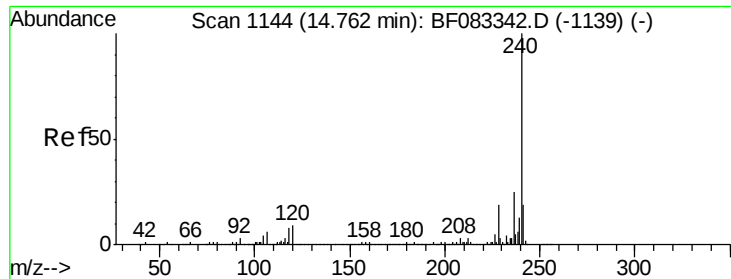


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.76 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

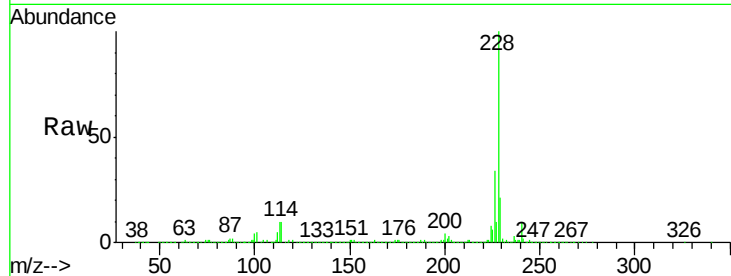
Tot Ion:240 Resp: 274787

Ion Ratio Lower Upper

240 100

120 14.4 6.9 10.3#

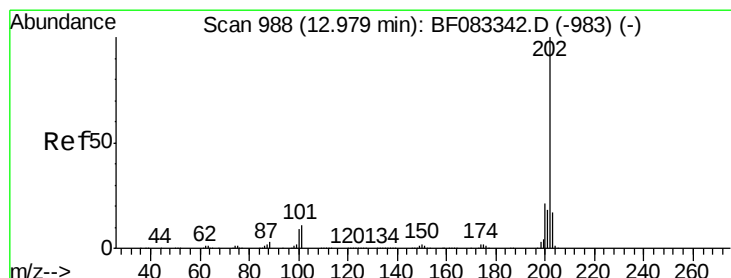
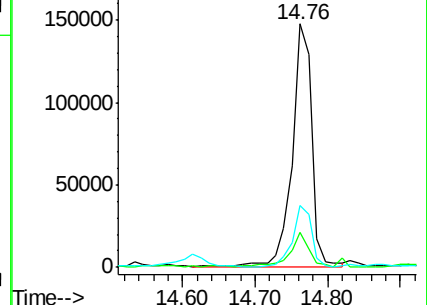
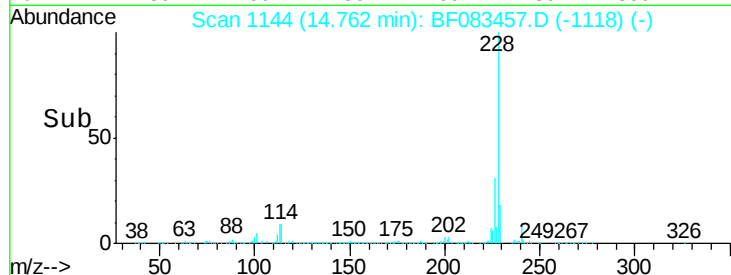
236 25.6 19.8 29.6



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: 122.05 ng

RT: 12.81 min Scan# 973

Delta R.T. -0.17 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

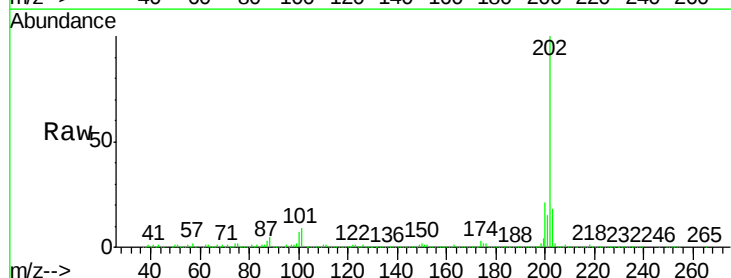
Tgt Ion:202 Resp: 2342242

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

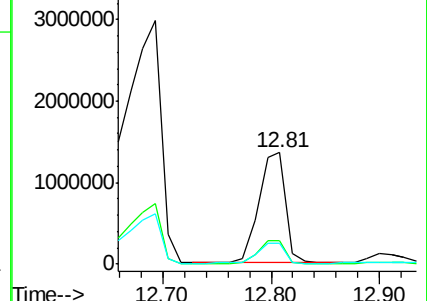
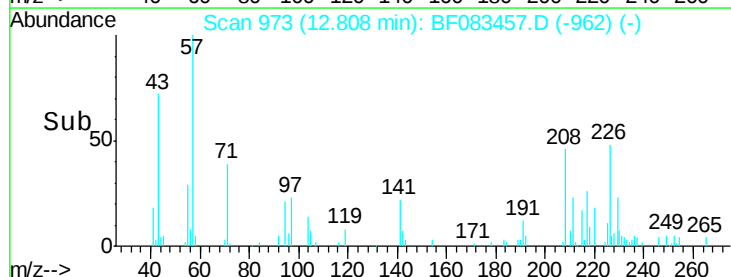
203 18.4 13.9 20.9

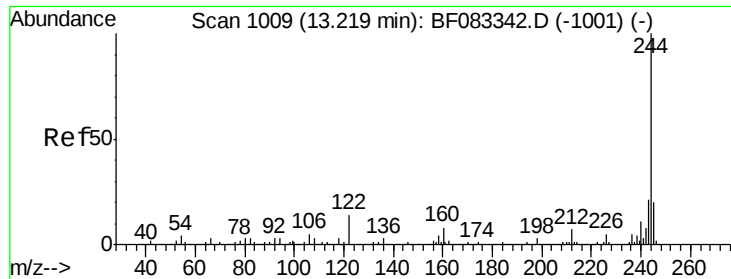


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.05 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

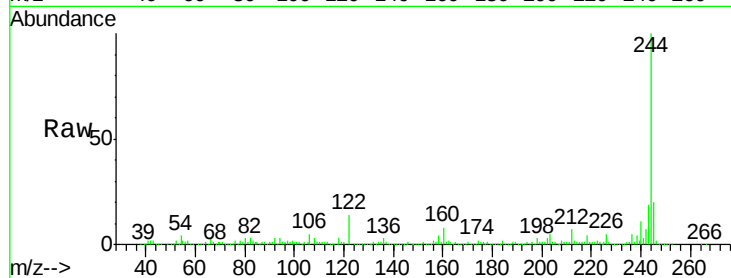
Tot Ion:244 Resp: 933823

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

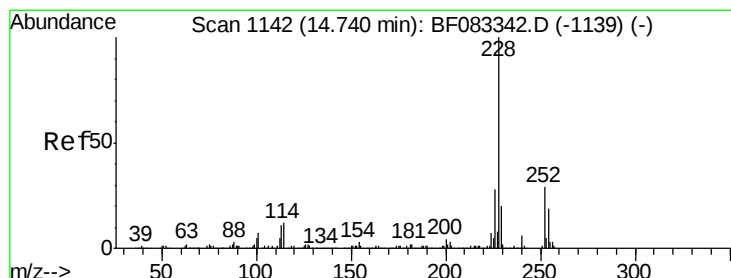
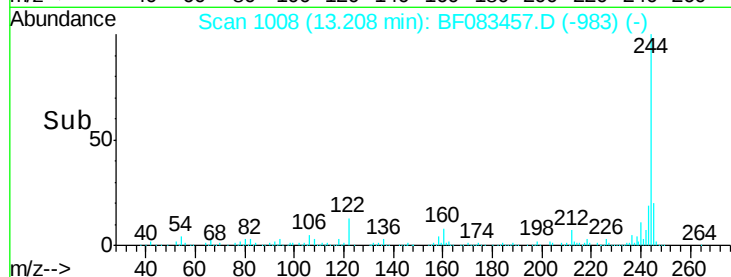
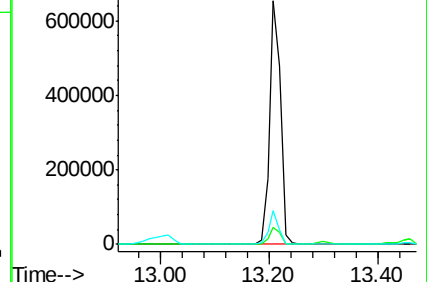
122 13.6 11.0 16.4



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: 204.94 ng

RT: 14.81 min Scan# 1148

Delta R.T. 0.07 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

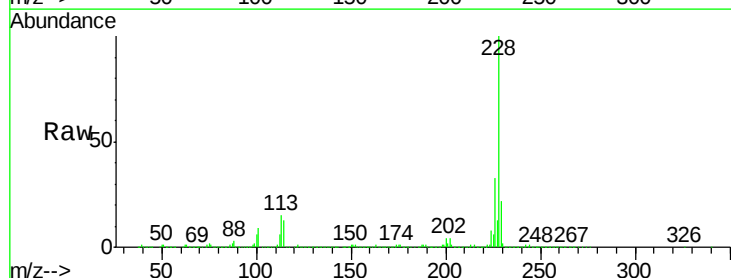
Tgt Ion:228 Resp: 3450113

Ion Ratio Lower Upper

228 100

226 33.0 22.2 33.4

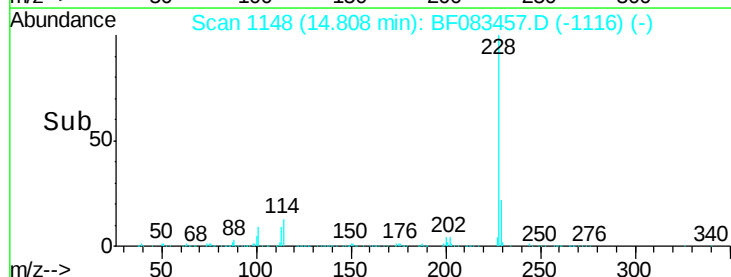
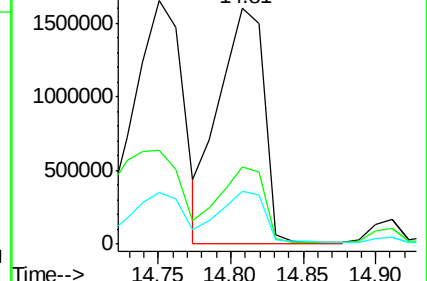
229 22.4 16.1 24.1

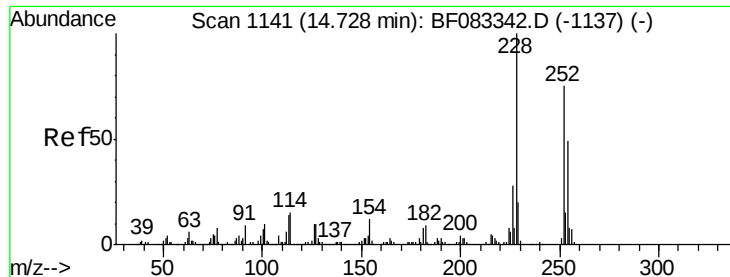


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

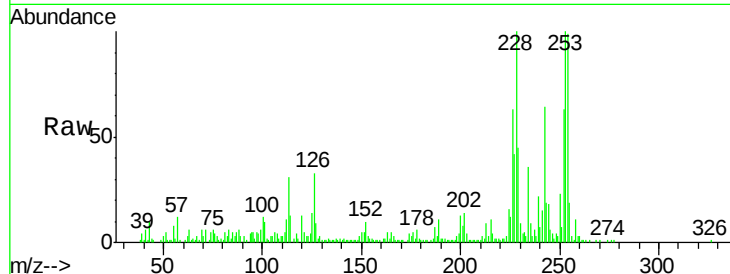




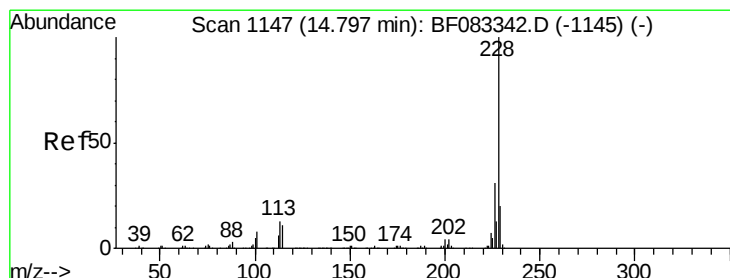
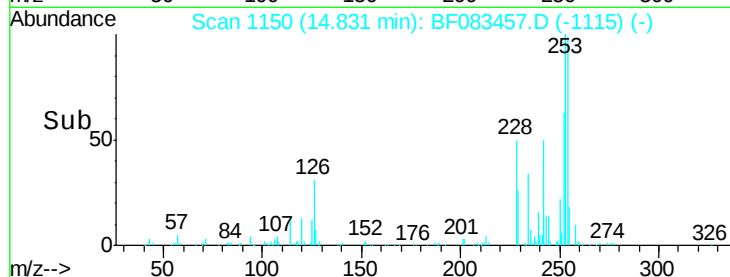
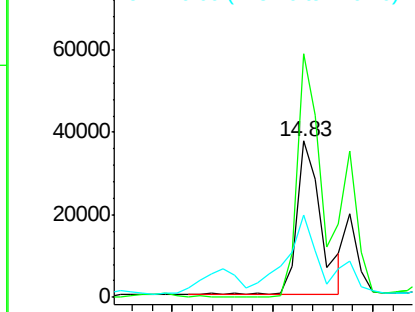
#81
 3,3'-Dichlorobenzidine
 Concen: 11.84 ng
 RT: 14.83 min Scan# 1150
 Delta R.T. 0.10 min
 Lab File: BF083457.D
 Acq: 3 Dec 2015 11:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)

Tot Ion:252 Resp: 62266
 Ion Ratio Lower Upper
 252 100
 254 156.1 52.0 78.0#
 126 52.5 10.7 16.1#

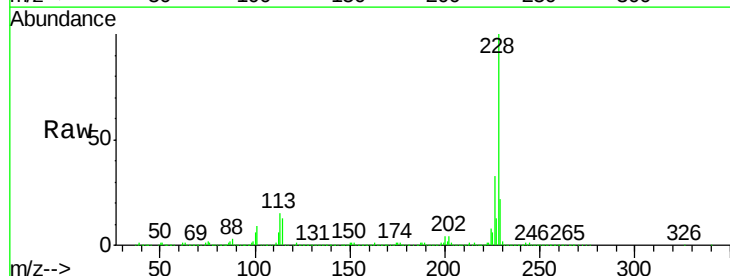


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

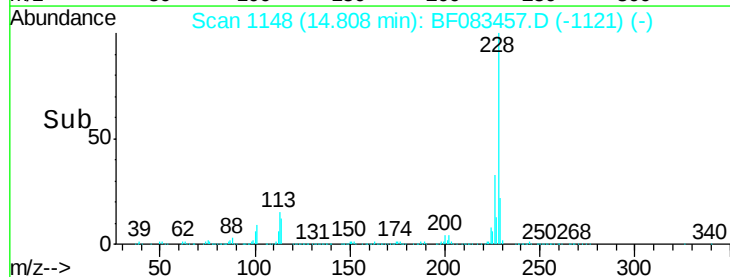
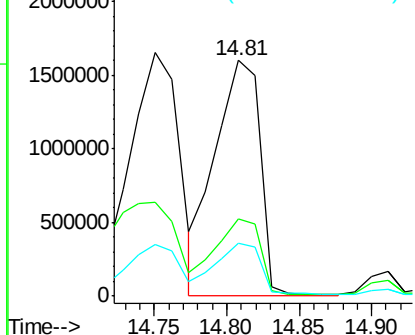


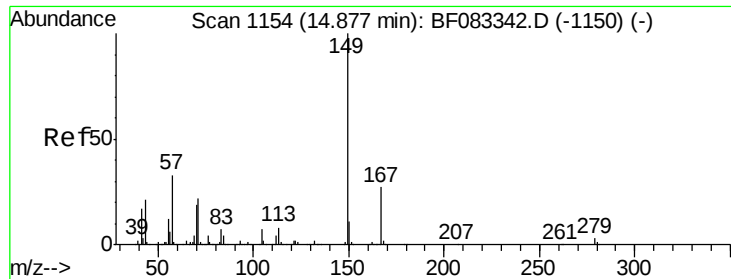
#82
 Chrysene
 Concen: 212.61 ng
 RT: 14.81 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: BF083457.D
 Acq: 3 Dec 2015 11:58

Tgt Ion:228 Resp: 3458229
 Ion Ratio Lower Upper
 228 100
 226 33.0 24.6 37.0
 229 22.4 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





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.42 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

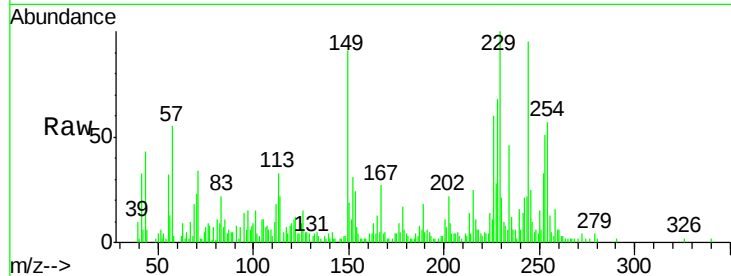
Tot Ion:149 Resp: 26413

Ion Ratio Lower Upper

149 100

167 29.1 21.5 32.3

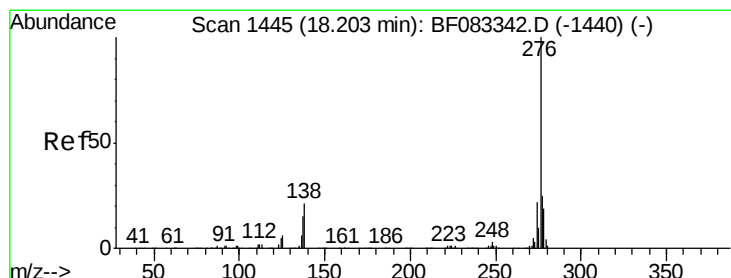
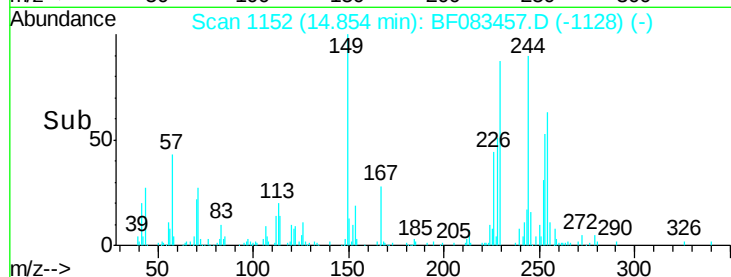
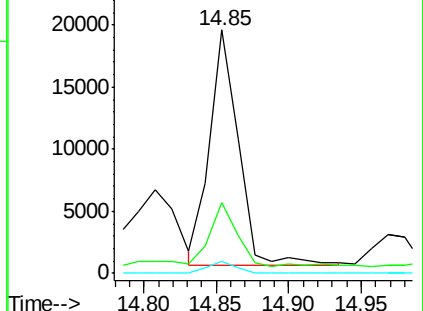
279 4.7 2.6 3.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 34.55 ng

RT: 18.05 min Scan# 1432

Delta R.T. -0.15 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

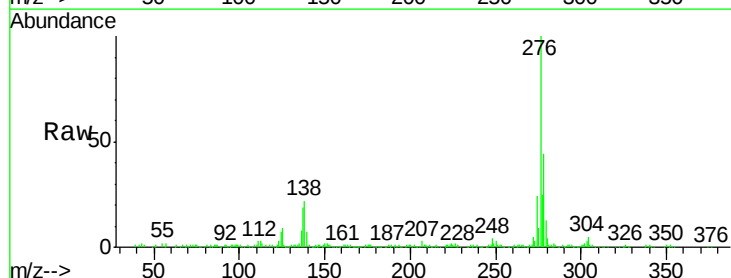
Tgt Ion:276 Resp: 409281

Ion Ratio Lower Upper

276 100

138 22.5 21.2 31.8

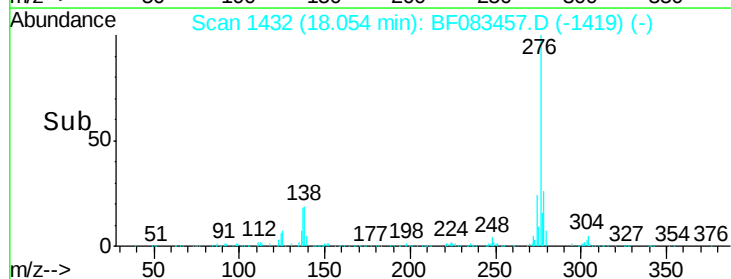
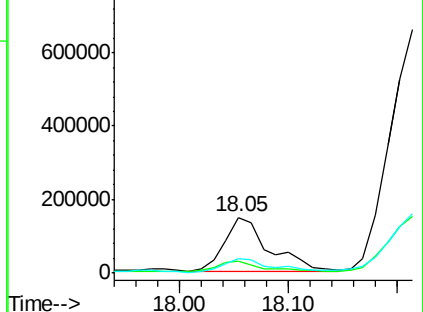
277 27.6 20.0 30.0

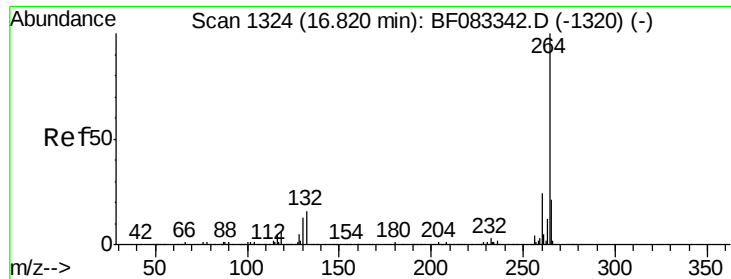


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

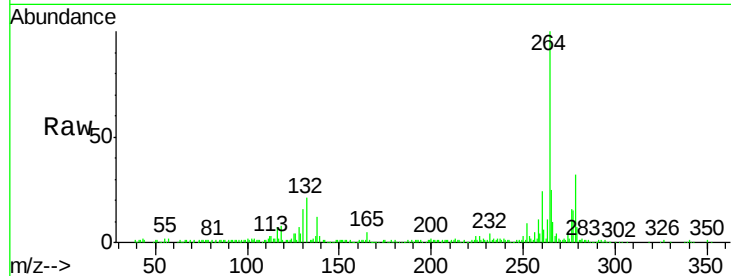




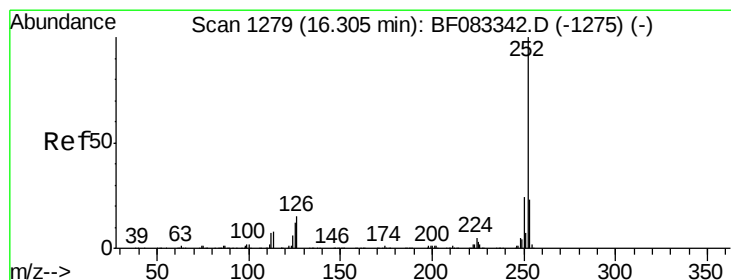
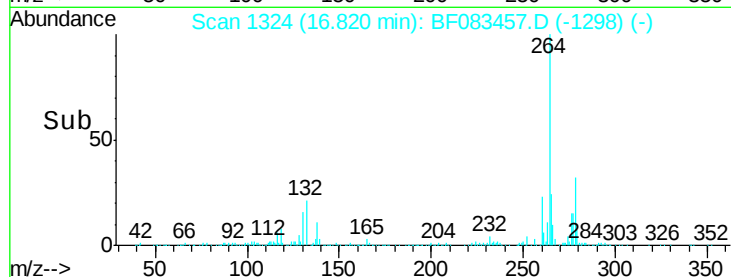
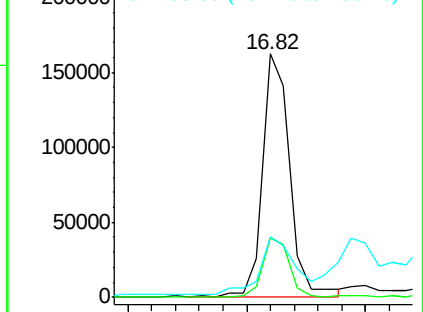
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.82 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)

Tot Ion:264 Resp: 256232
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 25.0 16.8 25.2

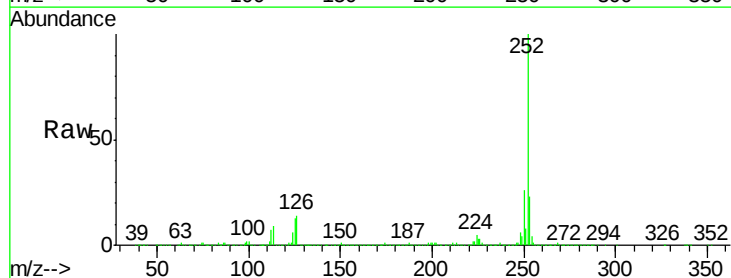


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

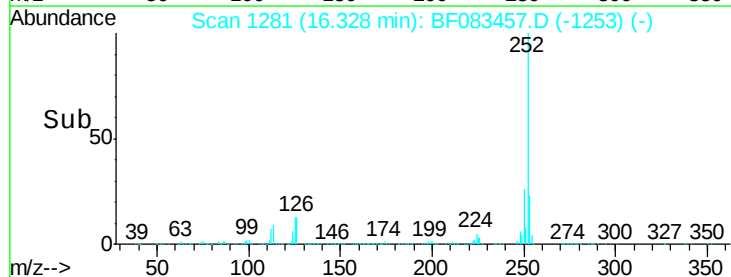
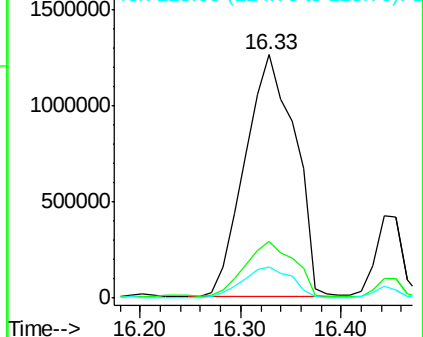


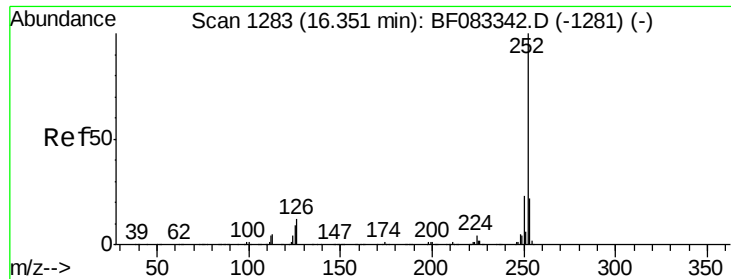
#87
Benzo(b)fluoranthene
Concen: 264.51 ng
RT: 16.33 min Scan# 1281
Delta R.T. 0.02 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Tgt Ion:252 Resp: 4348795
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 12.8 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

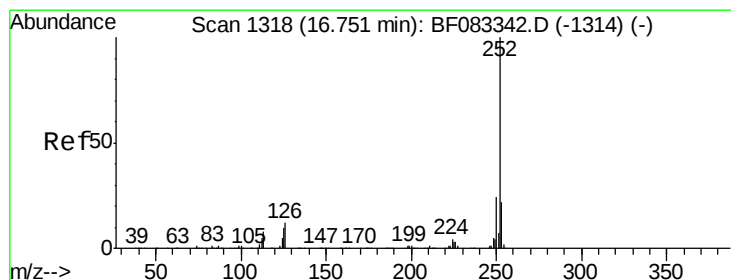
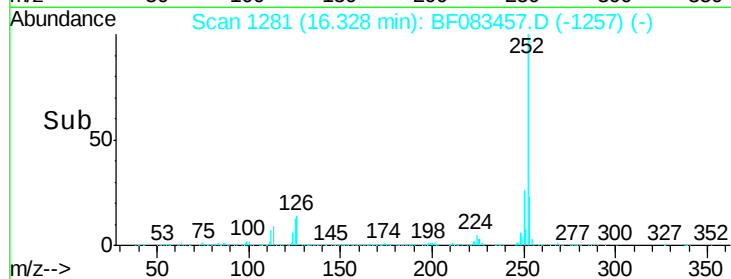
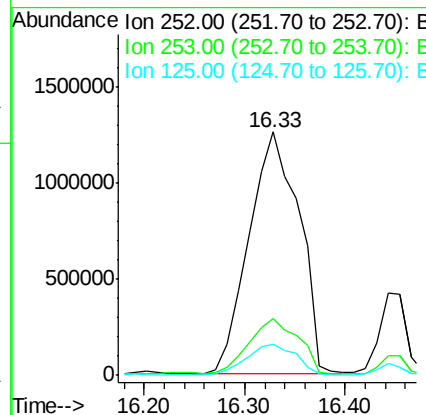
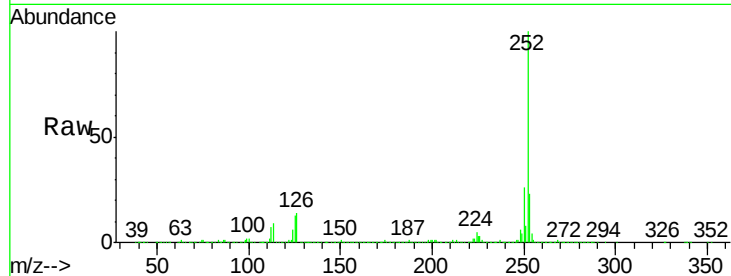




#88
Benzo(k)fluoranthene
Concen: 280.12 ng
RT: 16.33 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

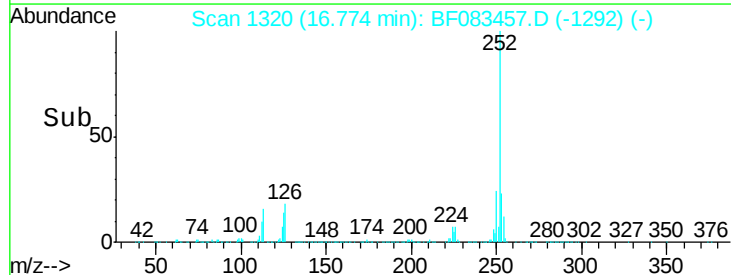
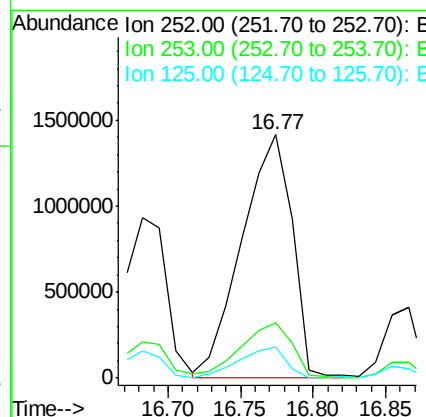
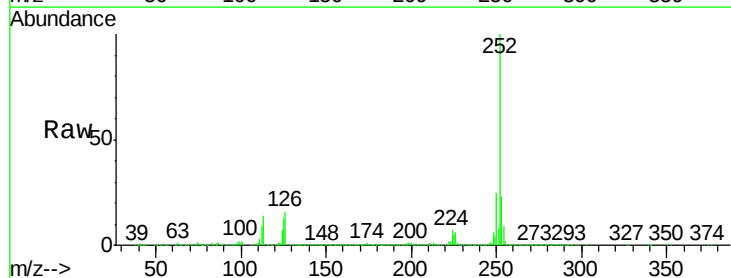
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)

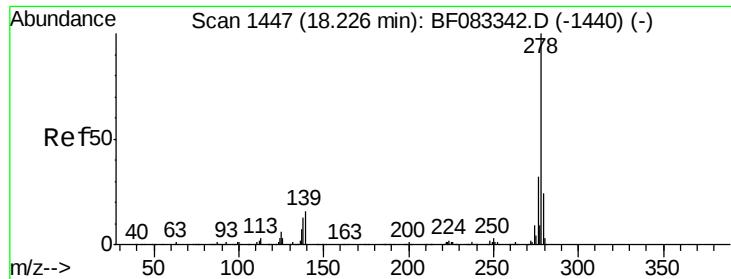
Tot Ion:252 Resp: 4348795
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 12.8 7.5 11.3#



#89
Benzo(a)pyrene
Concen: 239.31 ng
RT: 16.77 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF083457.D
Acq: 3 Dec 2015 11:58

Tgt Ion:252 Resp: 3379426
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 12.6 7.8 11.8#





#90

Dibenzo(a,h)anthracene

Concen: 8.52 ng

RT: 18.27 min Scan# 1451

Delta R.T. 0.05 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(0-8)

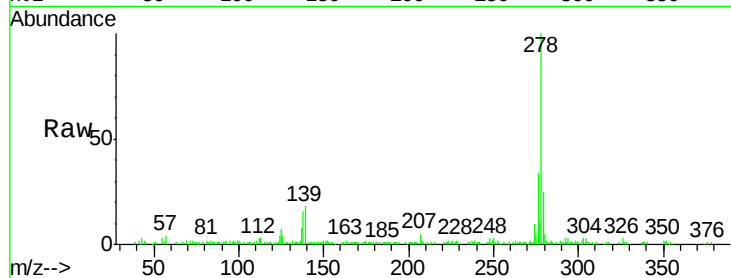
Tot Ion:278 Resp: 104884

Ion Ratio Lower Upper

278 100

139 18.2 13.1 19.7

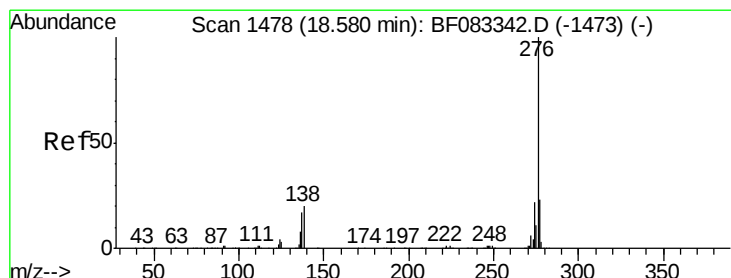
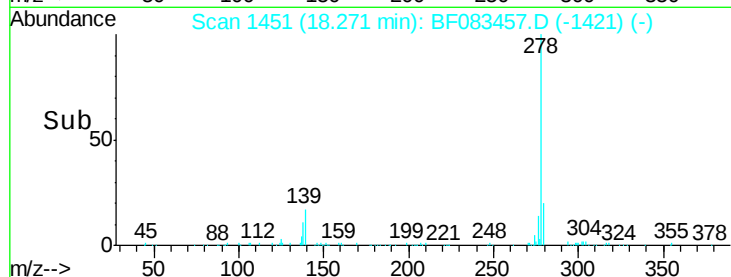
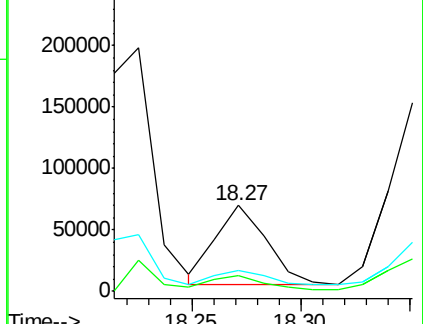
279 25.1 19.2 28.8



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: 137.81 ng

RT: 18.60 min Scan# 1480

Delta R.T. 0.02 min

Lab File: BF083457.D

Acq: 3 Dec 2015 11:58

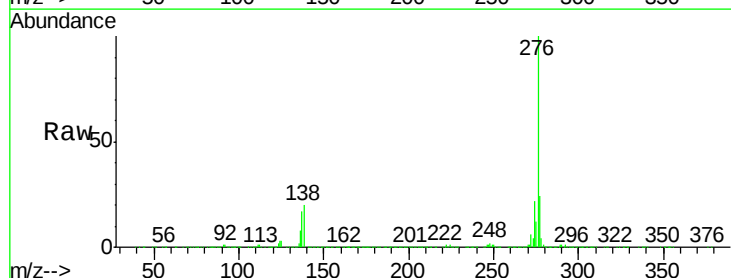
Tgt Ion:276 Resp: 1664256

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 19.6 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

