

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083447.D
 Acq On : 3 Dec 2015 6:53
 Operator : UM/IZ
 Sample : G4583-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)

Quant Time: Dec 03 09:53:56 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	6.70	152	646893	20.00	ng	0.16
21) Naphthalene-d8	7.86	136	409569	20.00	ng	0.02
38) Acenaphthene-d10	9.58	164	262107	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	404278	20.00	ng	0.00
75) Chrysene-d12	14.75	240	307241	20.00	ng	-0.01
86) Perylene-d12	16.82	264	313293	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1370823	31.80	ng	0.00
7) Phenol-d6	6.21	99	1774281	30.07	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1196842	128.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	342268	130.08	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1696864	92.26	ng	-0.01
78) Terphenyl-d14	13.21	244	1328281	103.10	ng	-0.01

Target Compounds				Qvalue			
9) Benzaldehyde	6.21	77	23452	Below Cal	#	1	
25) Isophorone	7.46	82	42520	2.36	ng	#	57
31) Naphthalene	7.90	128	18742196	843.39	ng	#	81
33) 4-Chloroaniline	7.90	127	3644598	380.45	ng	#	35
35) Caprolactam	8.28	113	24256	11.72	ng	#	1
37) 2-Methylnaphthalene	8.56	142	3435361	231.31	ng	#	95
45) 1,1'-Biphenyl	9.01	154	1505531	65.50	ng		98
48) Acenaphthylene	9.44	152	1748247	62.58	ng		99
49) Dimethylphthalate	9.32	163	240180	11.28	ng		98
50) 2,6-Dinitrotoluene	9.28	165	20059	4.41	ng	#	23
51) Acenaphthene	9.63	154	3290761	200.25	ng		98
54) Dibenzofuran	9.63	168	64455	2.68	ng		95
55) 4-Nitrophenol	9.78	139	165116	49.51	ng	#	1
56) 2,4-Dinitrotoluene	9.79	165	28102	4.87	ng	#	70
57) Fluorene	10.13	166	2257409	118.71	ng		98
65) n-Nitrosodiphenylamine	10.24	169	52004	3.66	ng	#	1
70) Phenanthrene	11.23	178	2863528	119.69	ng		96
71) Anthracene	11.23	178	2863528	118.89	ng		97
72) Carbazole	11.40	167	395919	18.30	ng		99
74) Fluoranthene	12.68	202	5813058	234.40	ng		98
77) Pyrene	12.78	202	1231206	57.38	ng		98
80) Benzo(a)anthracene	14.80	228	2451877	130.26	ng		94
82) Chrysene	14.80	228	2451877	134.82	ng		98
85) Indeno(1,2,3-cd)pyrene	18.20	276	1113306	84.05	ng		96
87) Benzo(b)fluoranthene	16.32	252	3551382	176.66	ng		99
88) Benzo(k)fluoranthene	16.32	252	3551382	187.09	ng	#	95
89) Benzo(a)pyrene	16.76	252	2458680	142.40	ng		97
90) Dibenzo(a,h)anthracene	18.35	278	235215	15.63	ng		97
91) Benzo(g,h,i)perylene	18.58	276	1158014	78.42	ng		98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.16 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

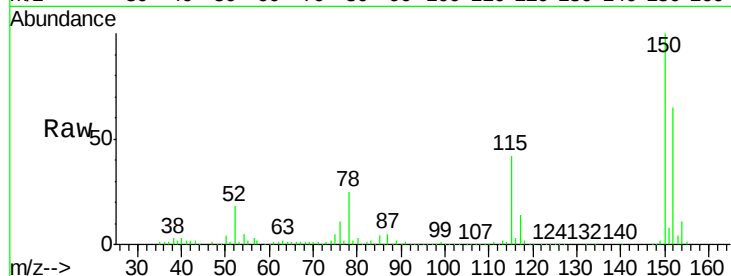
Tot Ion:152 Resp: 646893

Ion Ratio Lower Upper

152 100

150 154.4 129.8 194.8

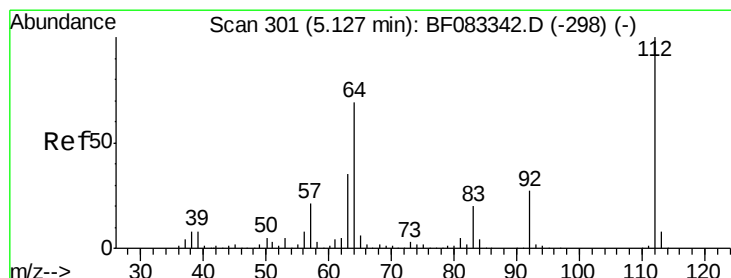
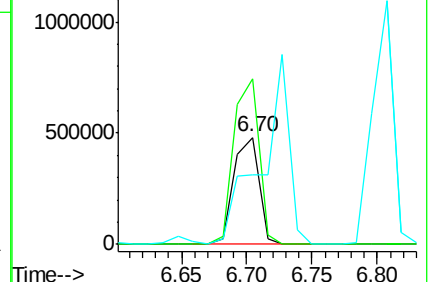
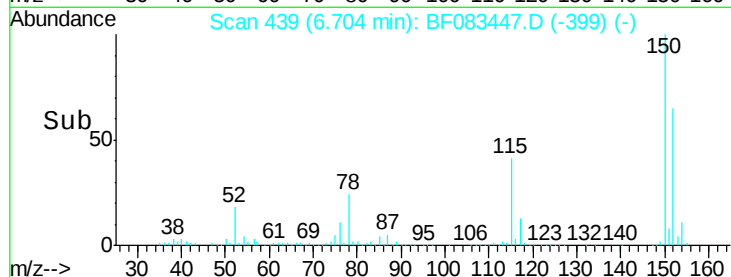
115 64.6 59.2 88.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 31.80 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

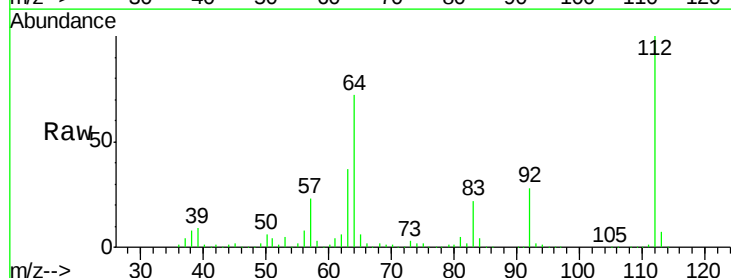
Tgt Ion:112 Resp: 1370823

Ion Ratio Lower Upper

112 100

64 71.9 55.6 83.4

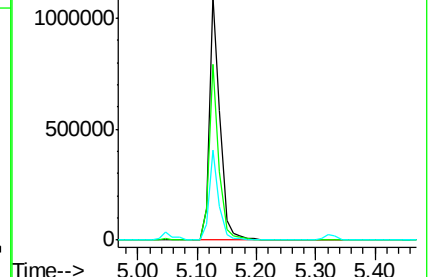
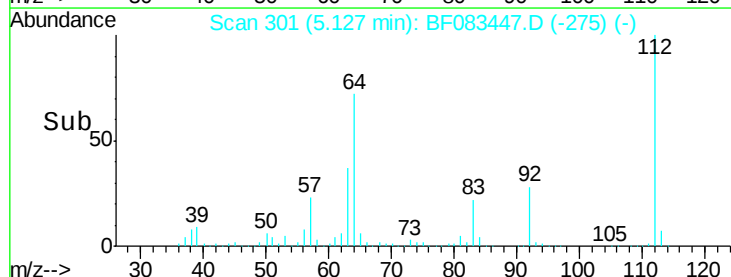
63 37.2 28.2 42.2

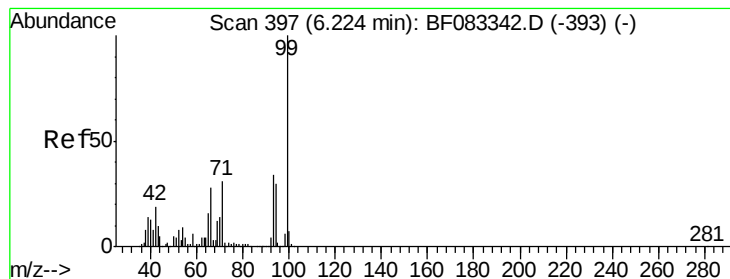


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.07 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

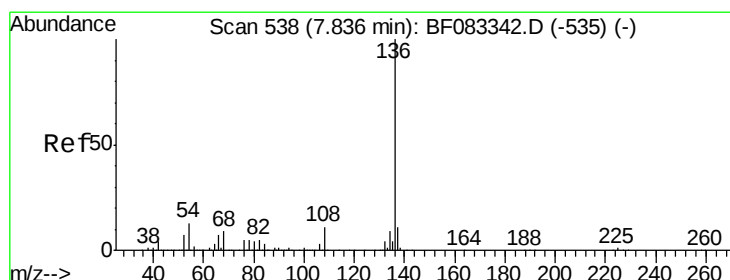
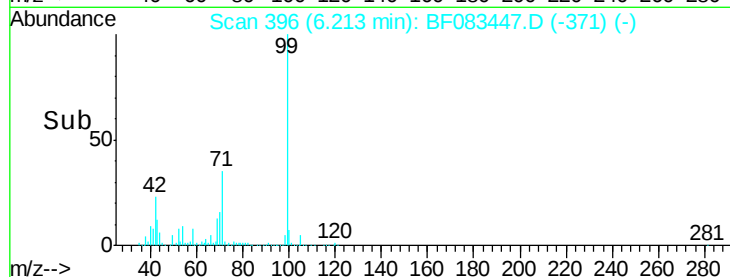
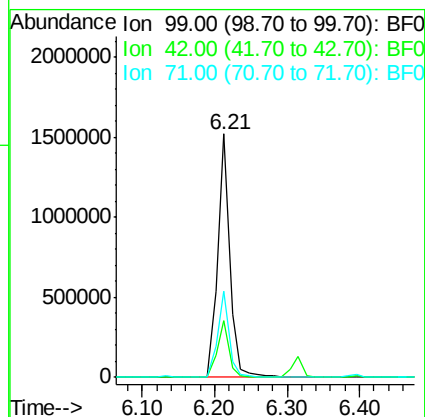
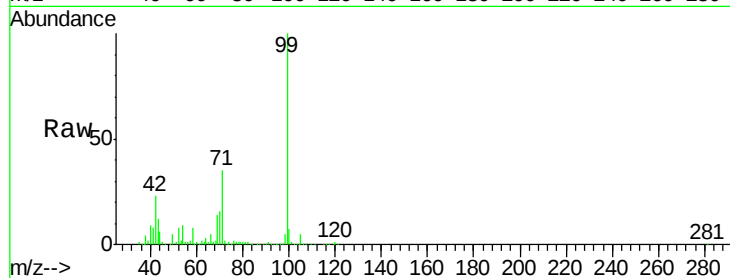
Tot Ion: 99 Resp: 1774281

Ion Ratio Lower Upper

99 100

42 23.3 14.9 22.3#

71 35.4 24.7 37.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 540

Delta R.T. 0.02 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Tgt Ion: 136 Resp: 409569

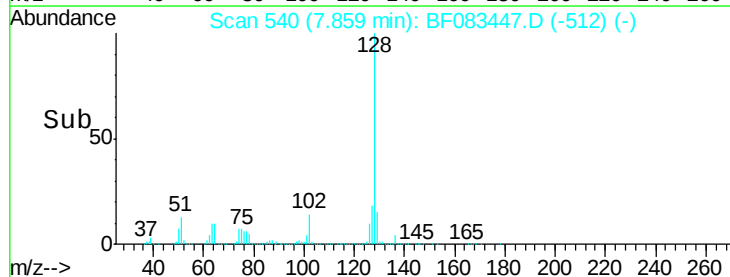
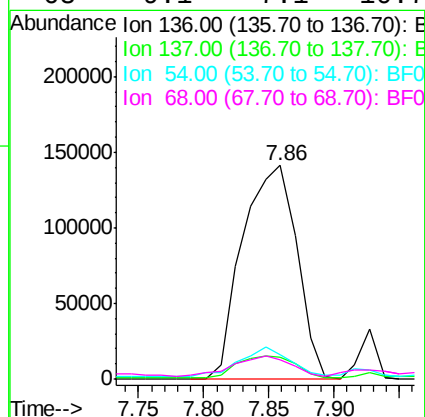
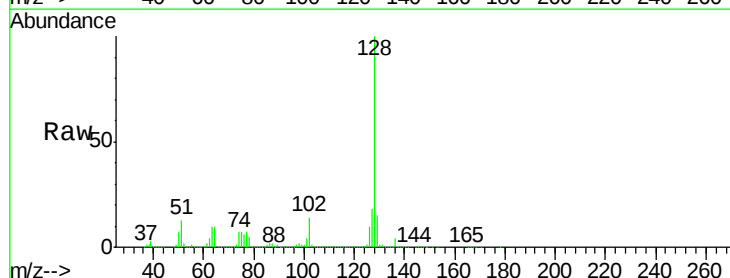
Ion Ratio Lower Upper

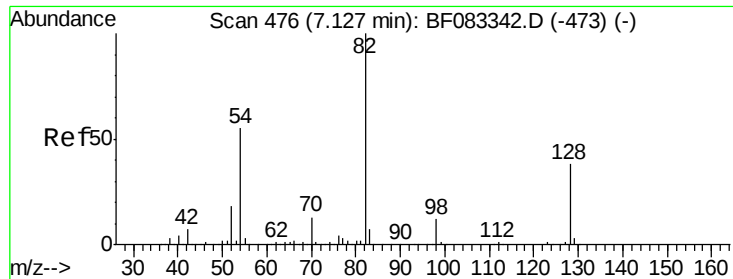
136 100

137 10.5 9.0 13.4

54 11.6 10.1 15.1

68 9.1 7.1 10.7

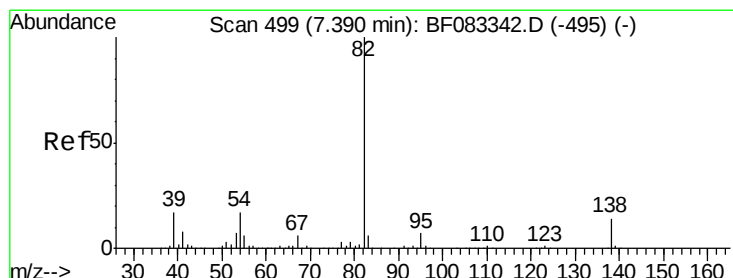
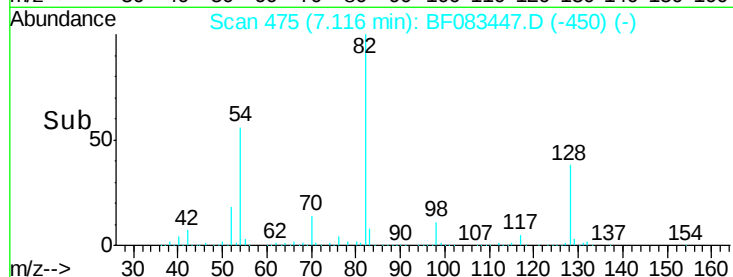
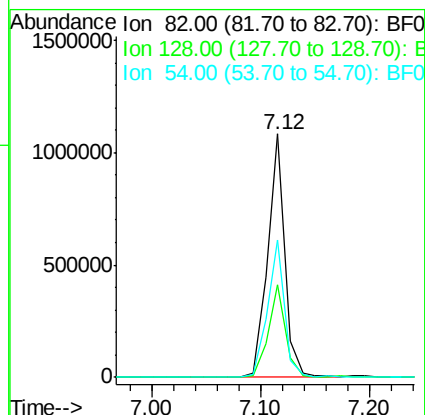
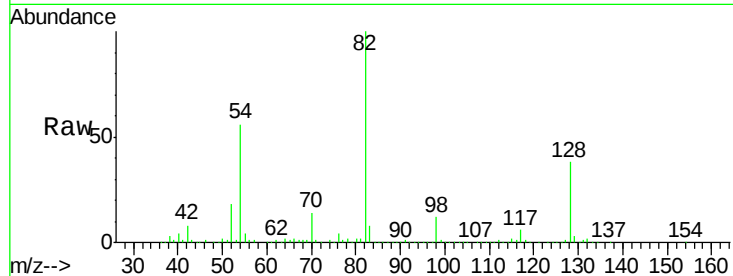




#23
Nitrobenzene-d5
Concen: 128.46 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

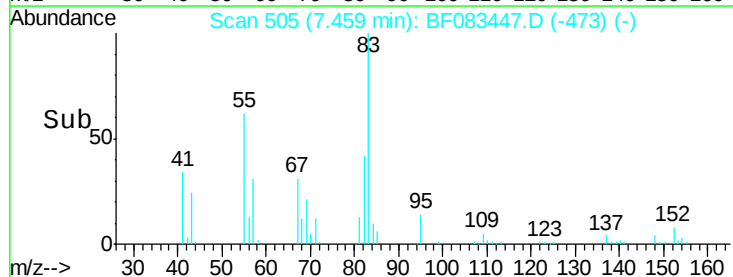
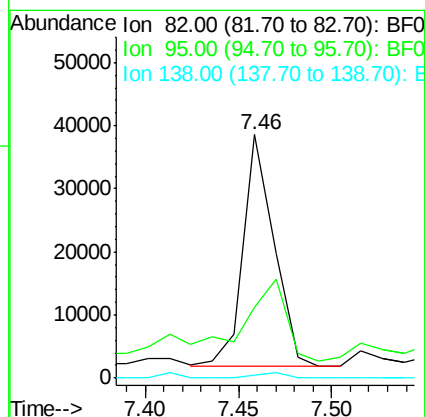
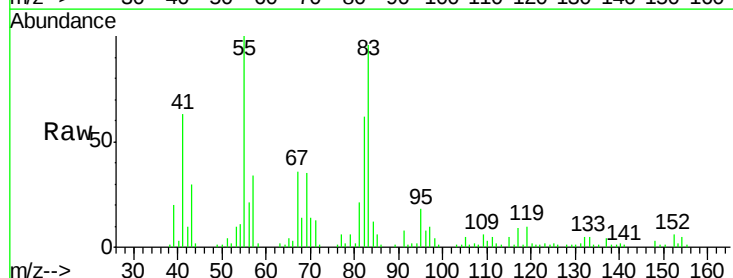
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

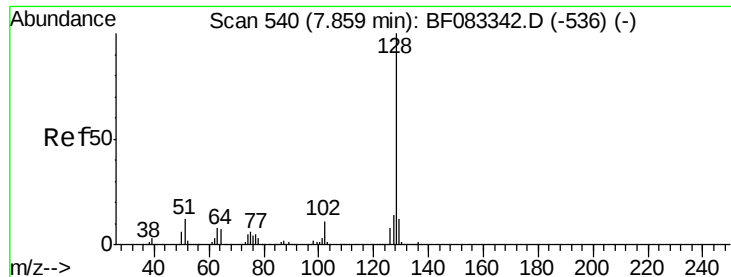
Tot Ion: 82 Resp: 1196842
Ion Ratio Lower Upper
82 100
128 37.9 30.6 46.0
54 56.3 43.8 65.6



#25
Isophorone
Concen: 2.36 ng
RT: 7.46 min Scan# 505
Delta R.T. 0.07 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion: 82 Resp: 42520
Ion Ratio Lower Upper
82 100
95 29.0 5.3 7.9#
138 1.2 11.6 17.4#

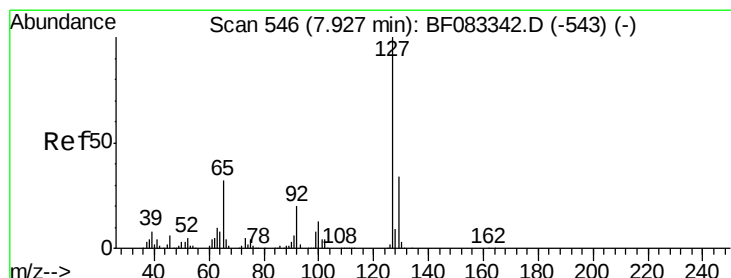
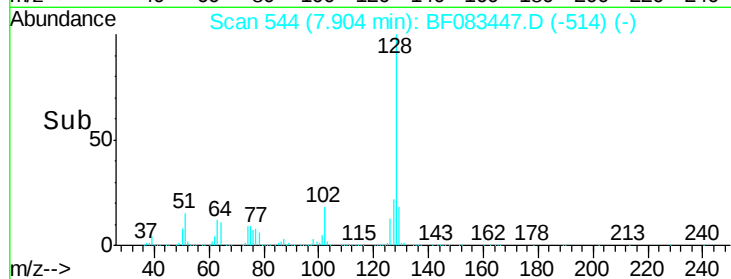
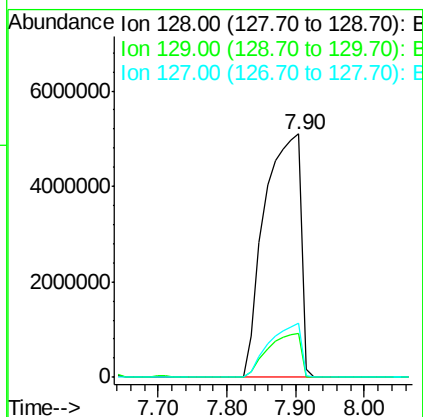
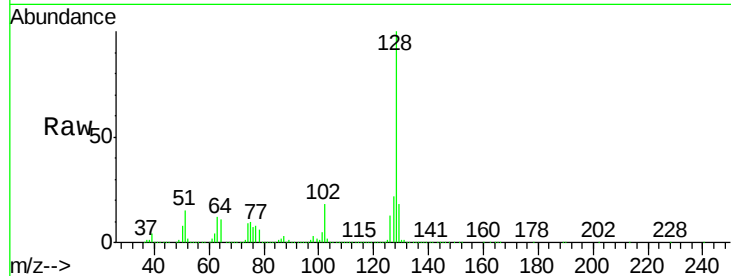




#31
Naphthalene
Concen: 843.39 ng
RT: 7.90 min Scan# 544
Delta R.T. 0.05 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

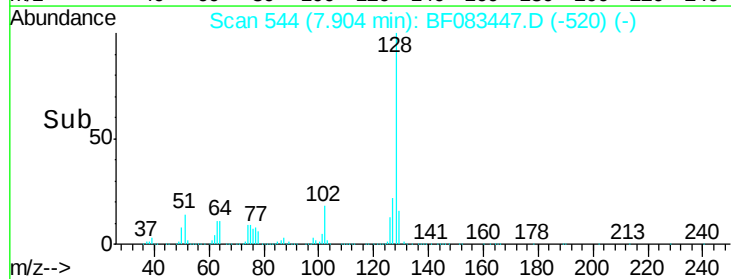
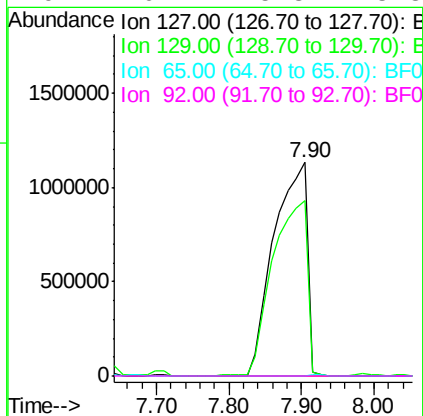
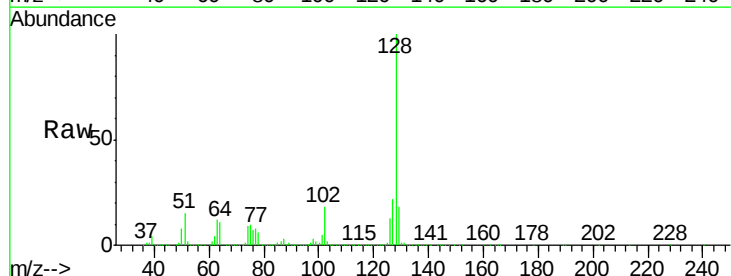
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

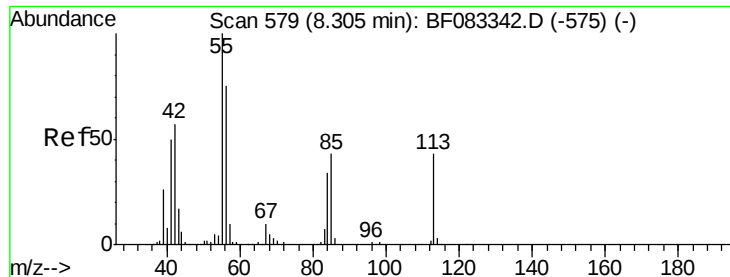
Tot Ion:128 Resp:18742196
Ion Ratio Lower Upper
128 100
129 18.2 9.7 14.5#
127 22.2 11.0 16.4#



#33
4-Chloroaniline
Concen: 380.45 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion:127 Resp: 3644598
Ion Ratio Lower Upper
127 100
129 81.9 27.0 40.4#
65 0.0 25.9 38.9#
92 0.1 15.8 23.8#





#35

Caprolactam

Concen: 11.72 ng

RT: 8.28 min Scan# 577

Delta R.T. -0.02 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

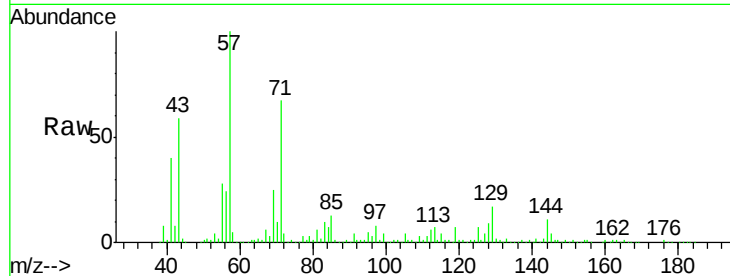
Tot Ion:113 Resp: 24256

Ion Ratio Lower Upper

113 100

55 380.3 211.6 251.6#

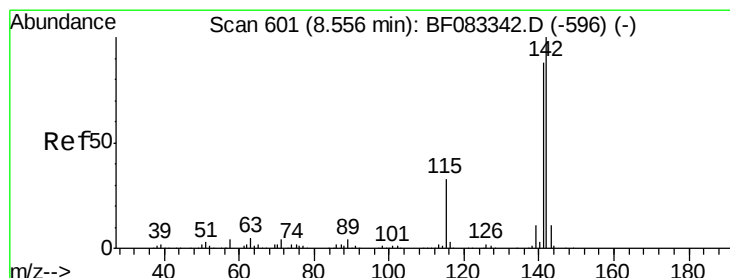
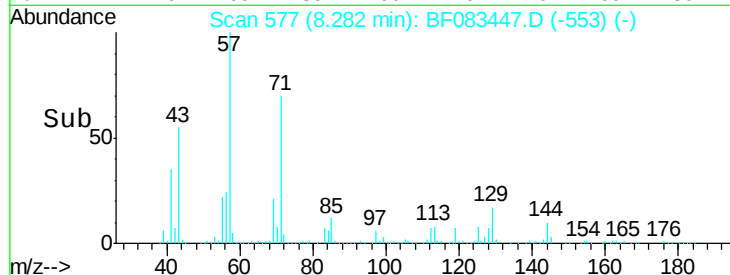
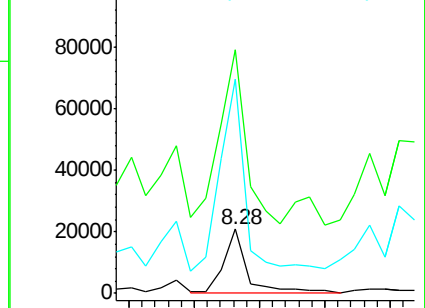
56 333.7 153.0 193.0#



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



#37

2-Methylnaphthalene

Concen: 231.31 ng

RT: 8.56 min Scan# 601

Delta R.T. -0.00 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

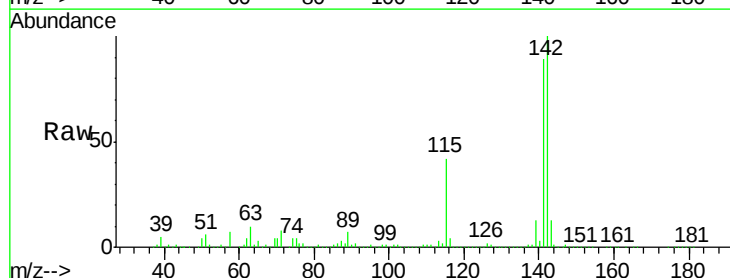
Tgt Ion:142 Resp: 3435361

Ion Ratio Lower Upper

142 100

141 89.0 70.6 105.8

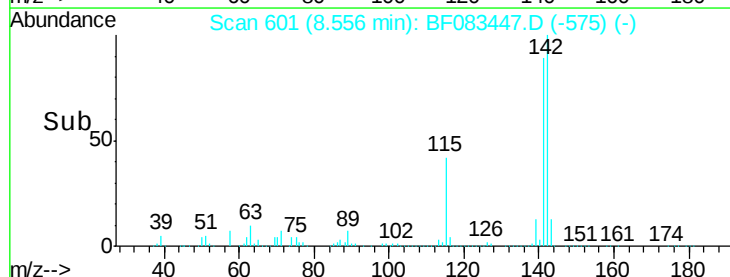
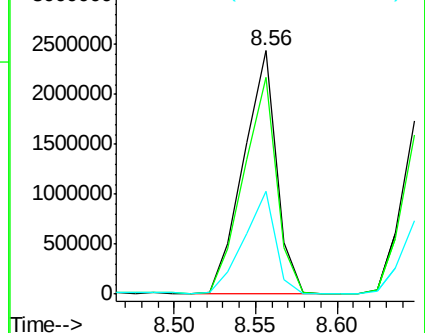
115 42.3 26.2 39.2#

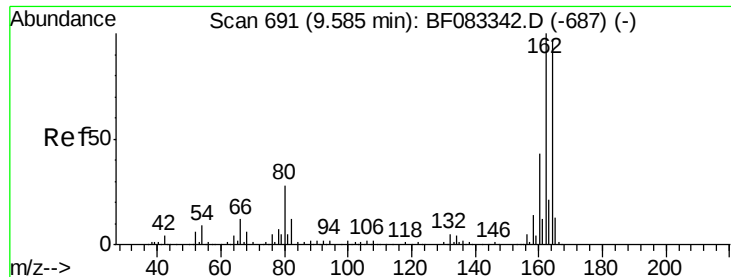


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

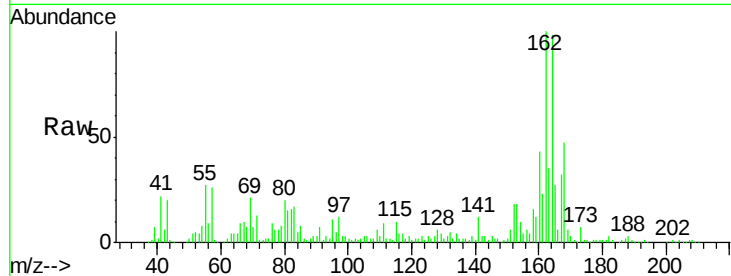




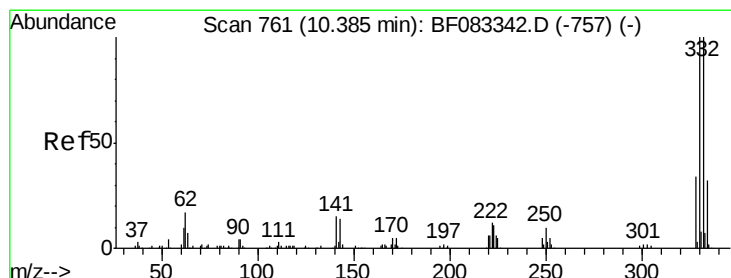
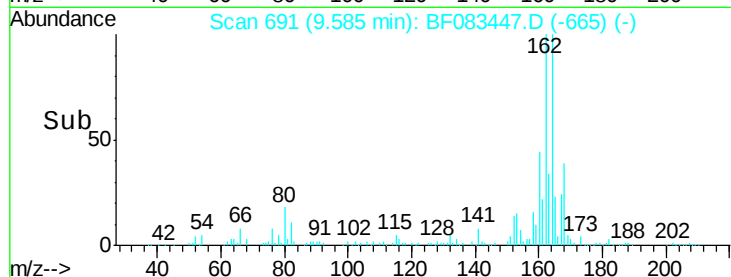
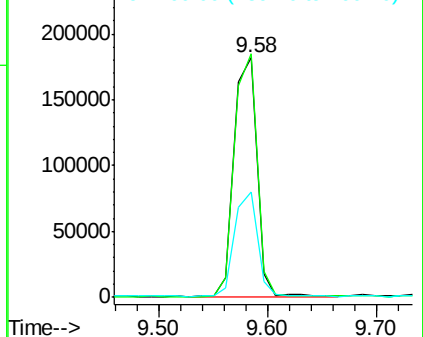
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

Tot Ion:164 Resp: 262107
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 43.8 35.3 52.9

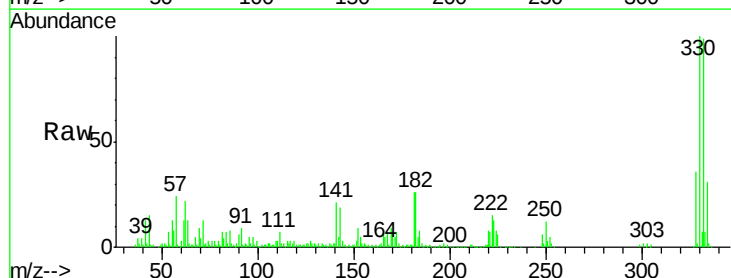


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

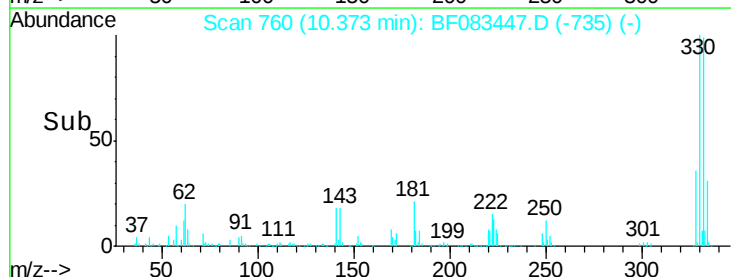
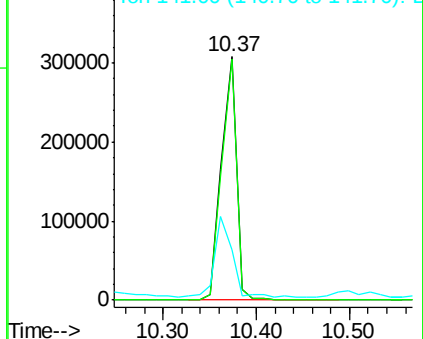


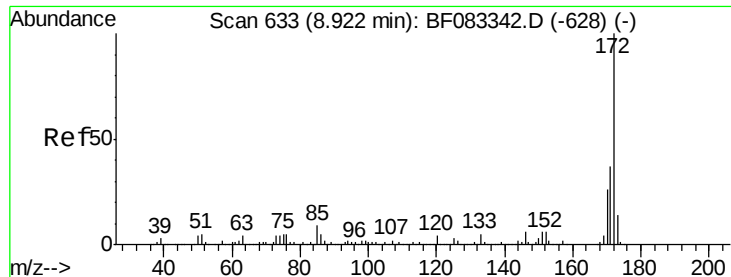
#41
2,4,6-Tribromophenol
Concen: 130.08 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion:330 Resp: 342268
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.6
141 37.5 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: 92.26 ng

RT: 8.91 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

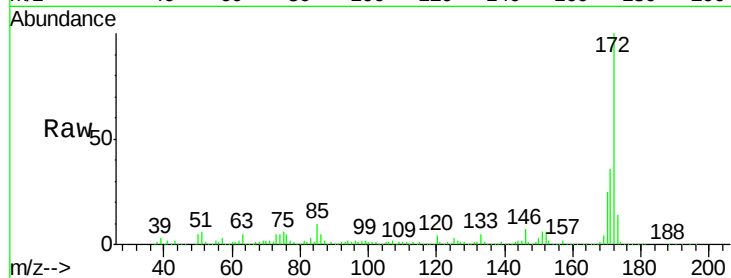
Tot Ion:172 Resp: 1696864

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

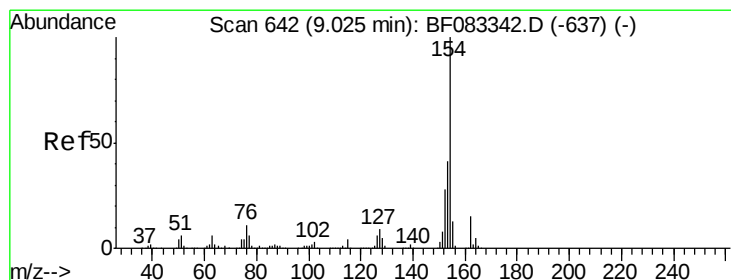
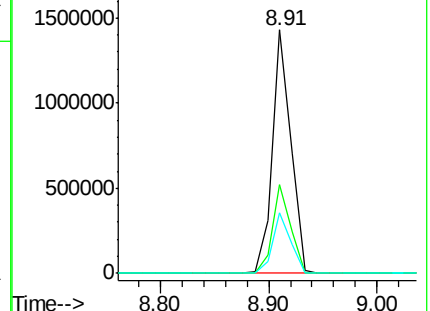
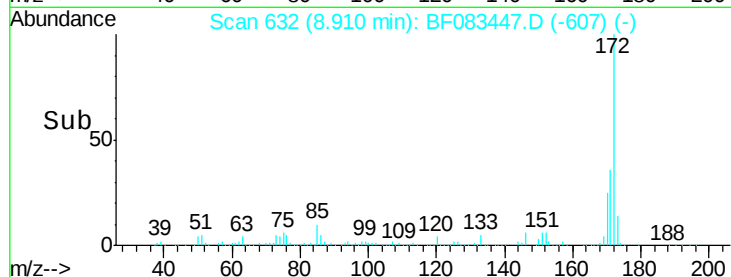
170 24.9 20.4 30.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 65.50 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

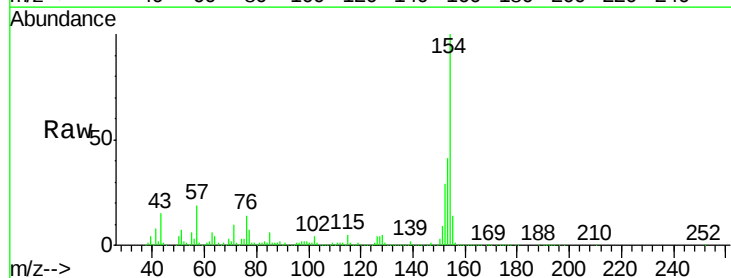
Tgt Ion:154 Resp: 1505531

Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

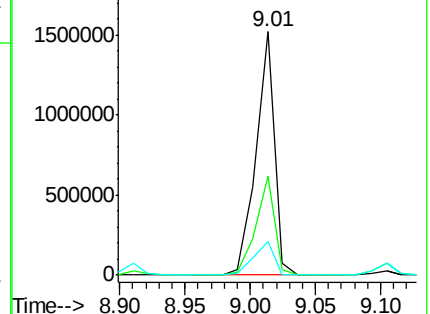
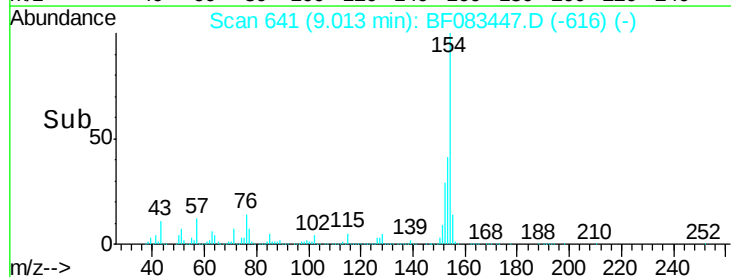
76 14.0 0.0 30.5

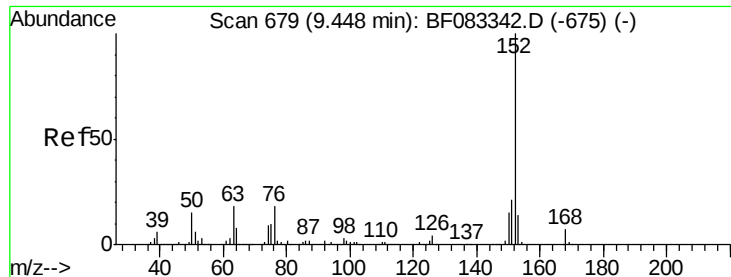


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 62.58 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

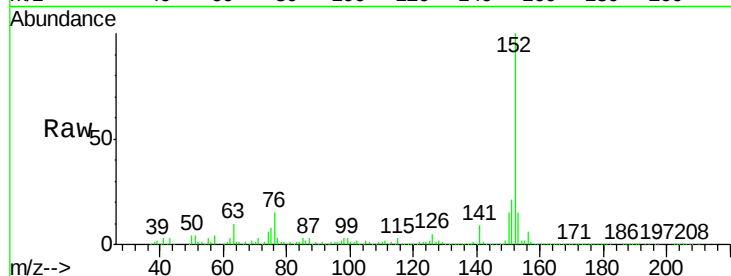
Tot Ion:152 Resp: 1748247

Ion Ratio Lower Upper

152 100

151 20.9 16.7 25.1

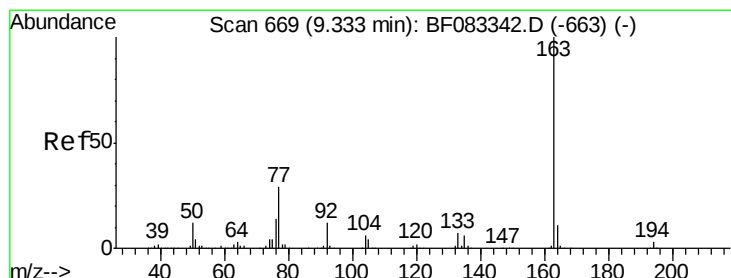
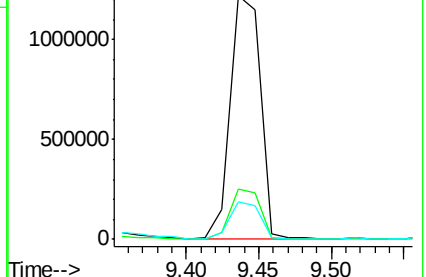
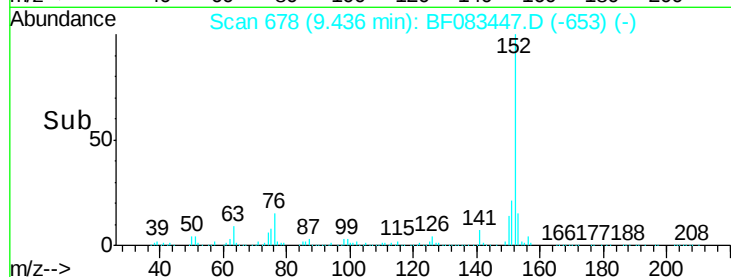
153 15.4 11.2 16.8



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: 11.28 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

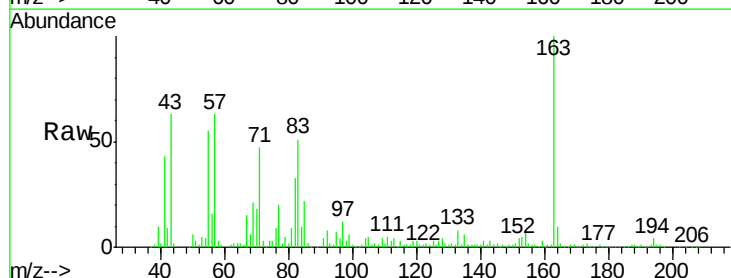
Tgt Ion:163 Resp: 240180

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

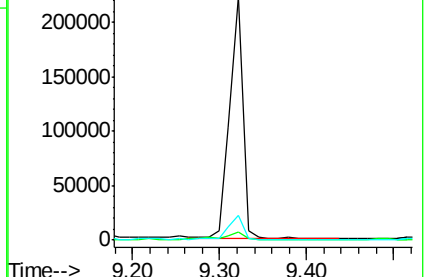
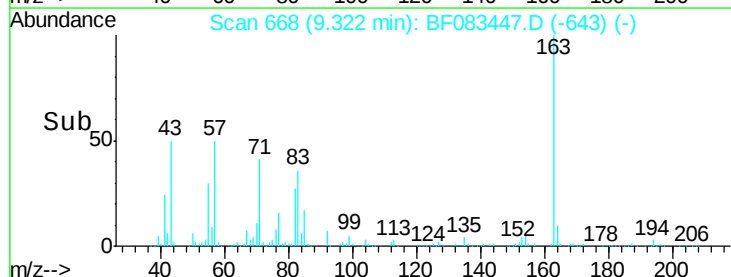
164 10.2 8.8 13.2

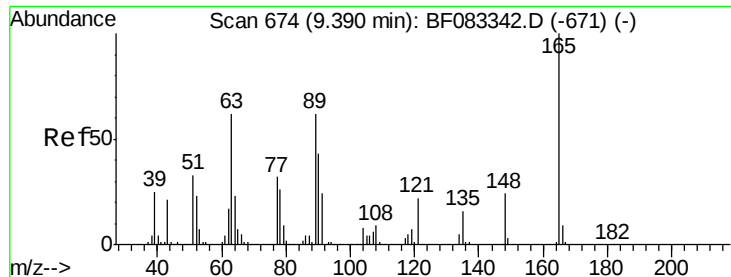


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

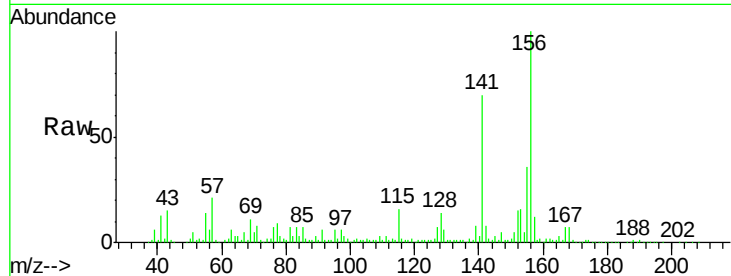




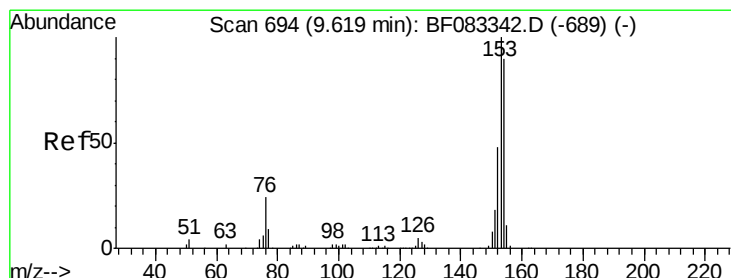
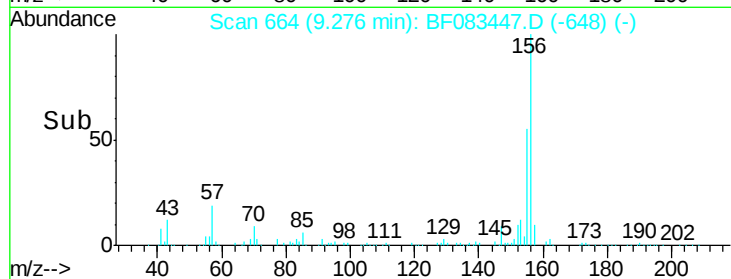
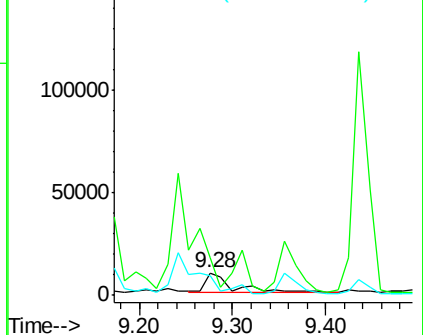
#50
 2,6-Dinitrotoluene
 Concen: 4.41 ng
 RT: 9.28 min Scan# 664
 Delta R.T. -0.11 min
 Lab File: BF083447.D
 Acq: 3 Dec 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)

Tot Ion:165 Resp: 20059
 Ion Ratio Lower Upper
 165 100
 63 167.4 56.0 84.0#
 89 85.5 49.8 74.8#

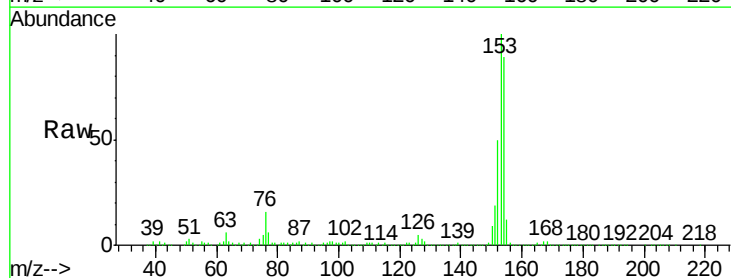


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

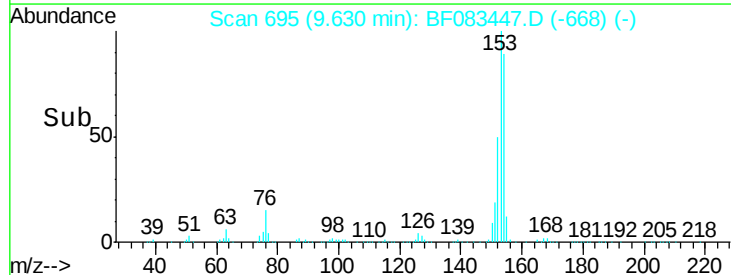
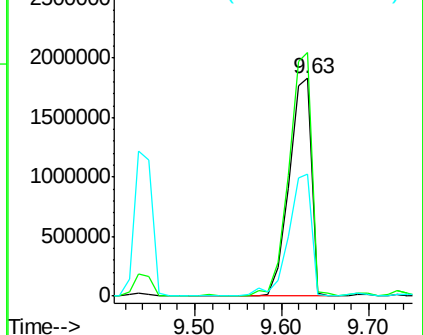


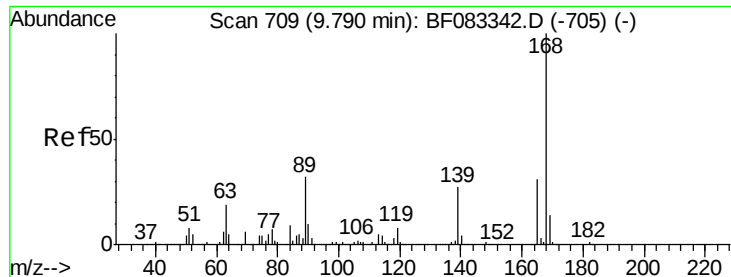
#51
 Acenaphthene
 Concen: 200.25 ng
 RT: 9.63 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: BF083447.D
 Acq: 3 Dec 2015 6:53

Tgt Ion:154 Resp: 3290761
 Ion Ratio Lower Upper
 154 100
 153 111.9 89.3 133.9
 152 56.3 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 2.68 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.16 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

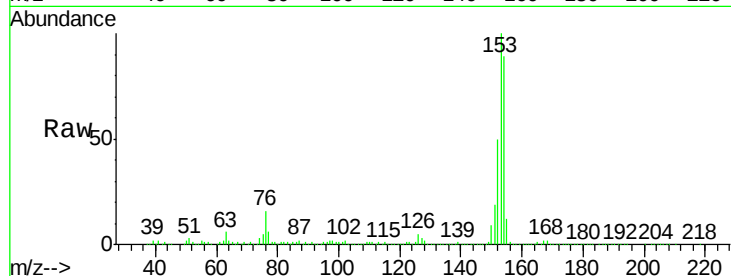
Tot Ion:168 Resp: 64455

Ion Ratio Lower Upper

168 100

139 36.9 32.7 49.1

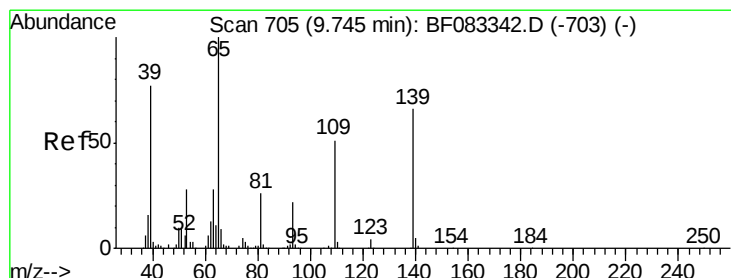
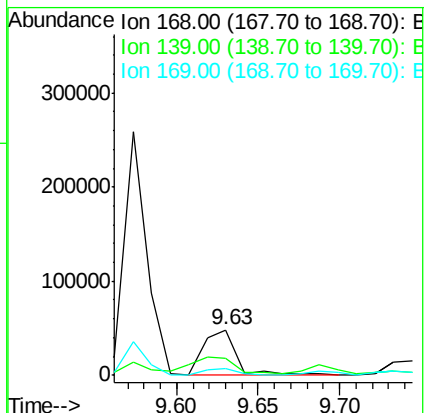
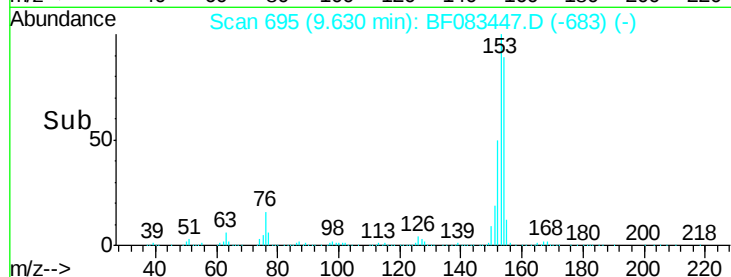
169 13.8 11.1 16.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 49.51 ng

RT: 9.78 min Scan# 708

Delta R.T. 0.03 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

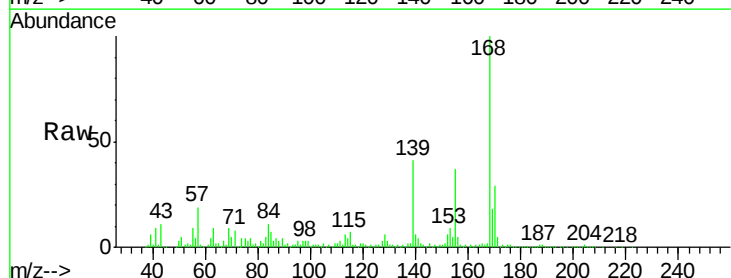
Tgt Ion:139 Resp: 165116

Ion Ratio Lower Upper

139 100

109 5.3 57.4 97.4#

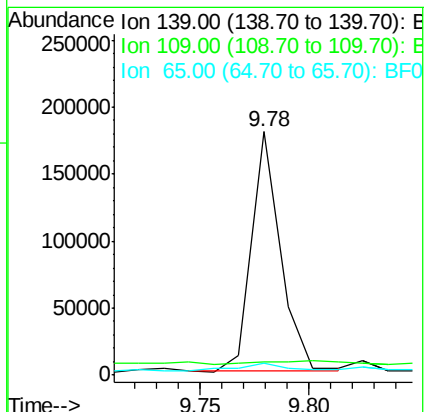
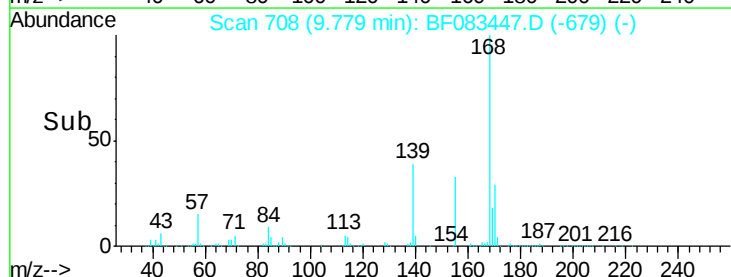
65 4.9 131.6 171.6#

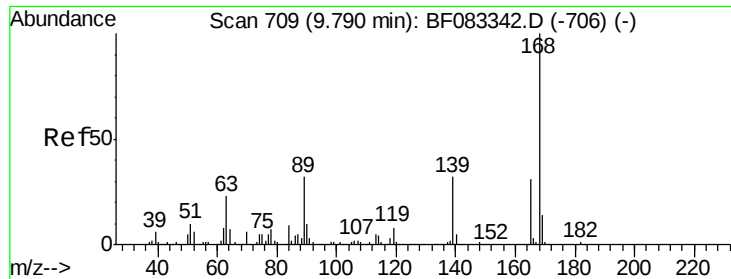


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

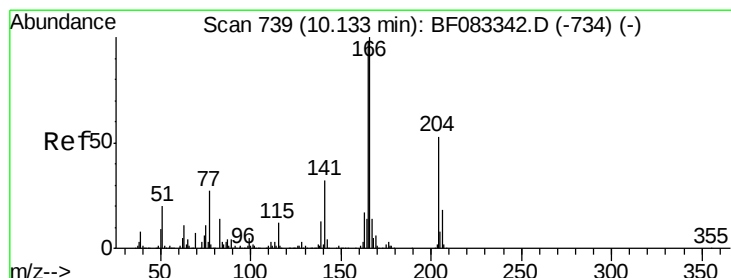
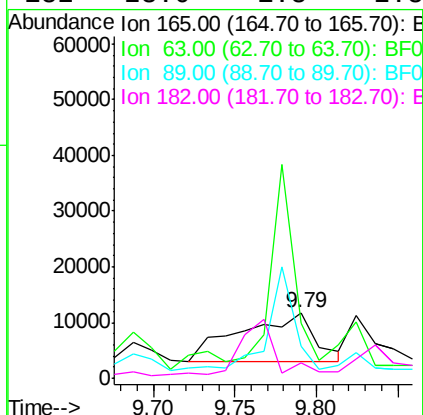
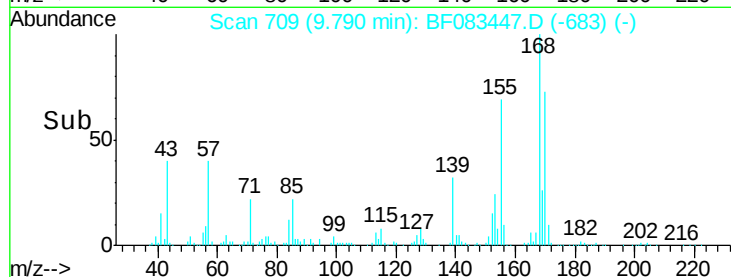
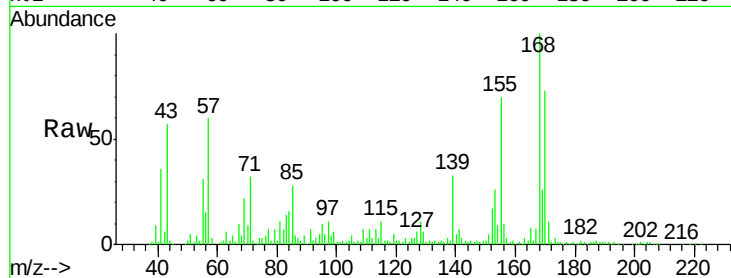




#56
2,4-Dinitrotoluene
Concen: 4.87 ng
RT: 9.79 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

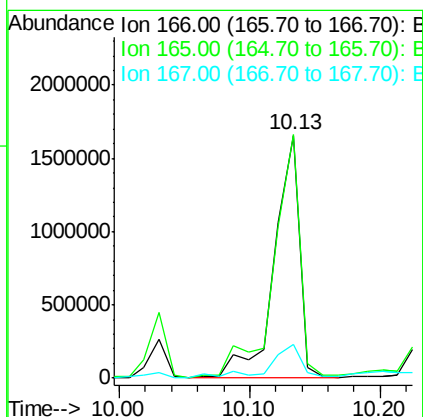
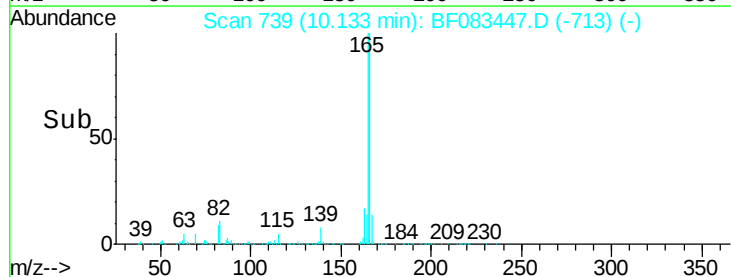
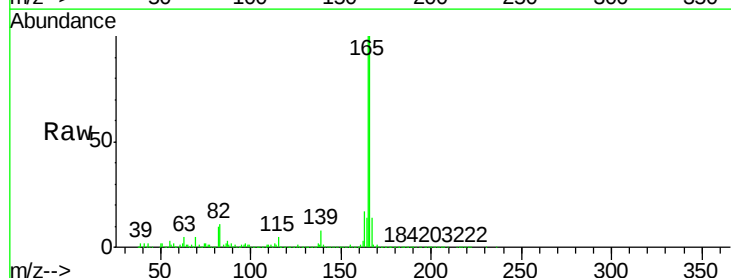
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

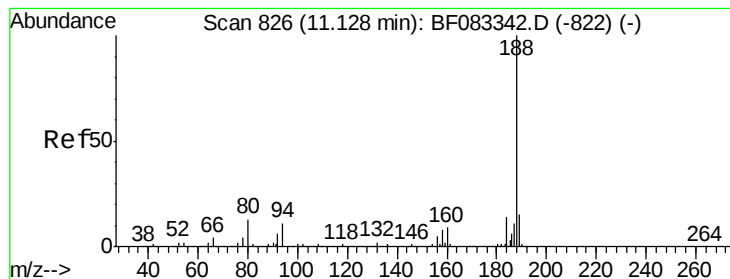
Tot Ion:165 Resp: 28102
Ion Ratio Lower Upper
165 100
63 83.2 65.4 98.0
89 49.4 81.2 121.8#
182 23.0 1.8 2.8#



#57
Fluorene
Concen: 118.71 ng
RT: 10.13 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion:166 Resp: 2257409
Ion Ratio Lower Upper
166 100
165 100.3 78.3 117.5
167 14.1 11.1 16.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

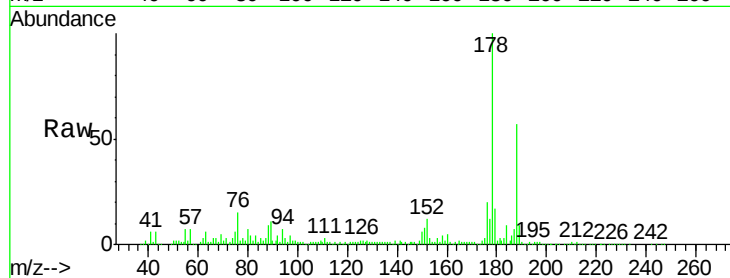
Tot Ion:188 Resp: 404278

Ion Ratio Lower Upper

188 100

94 11.5 8.7 13.1

80 12.0 10.3 15.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

250000

200000

150000

100000

50000

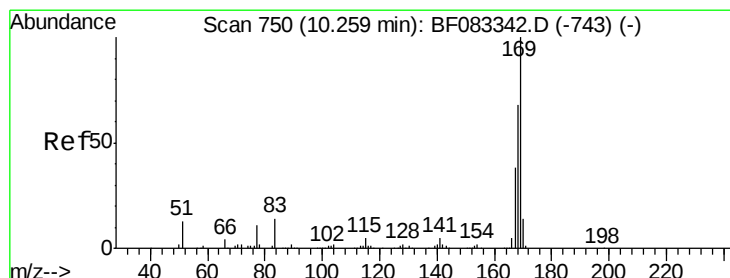
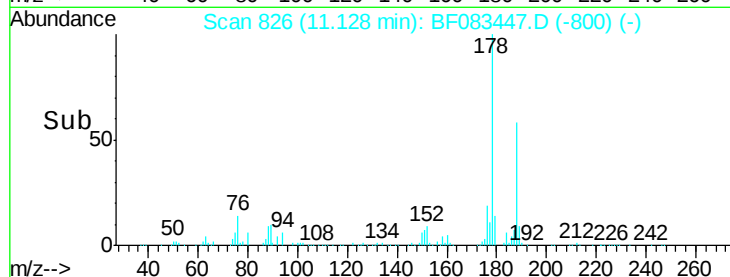
0

11.10

11.13

11.20

Time-->



#65

n-Nitrosodiphenylamine

Concen: 3.66 ng

RT: 10.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

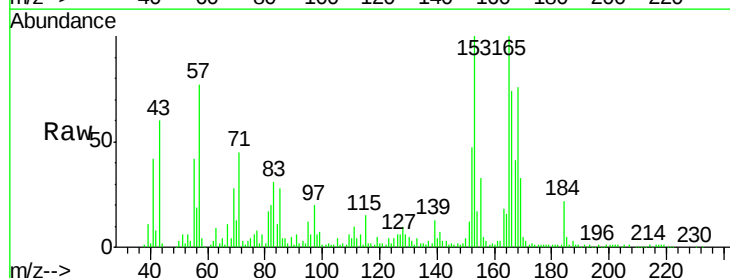
Tgt Ion:169 Resp: 52004

Ion Ratio Lower Upper

169 100

168 227.7 54.8 82.2#

167 123.7 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

120000

100000

80000

60000

40000

20000

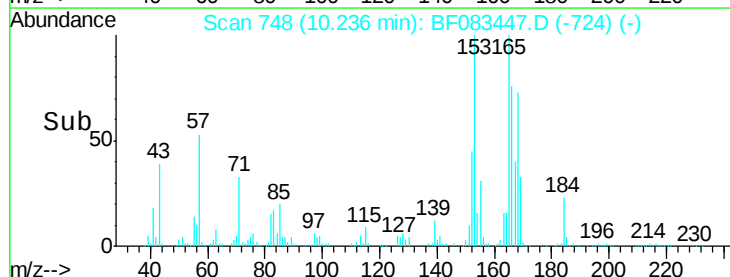
0

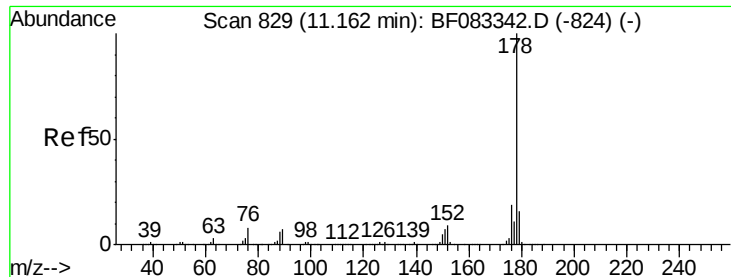
10.20

10.24

10.25

Time-->

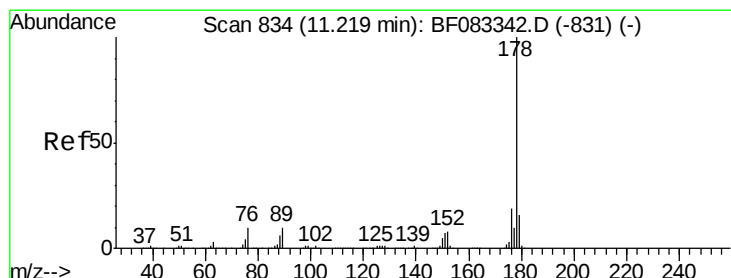
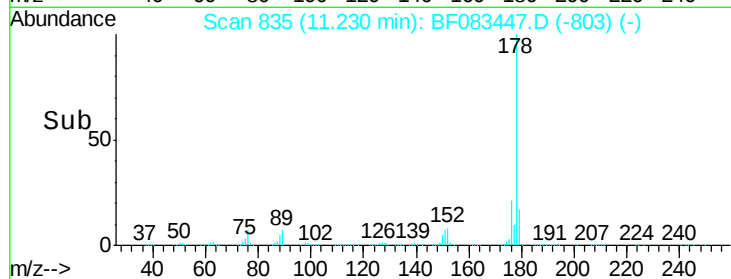
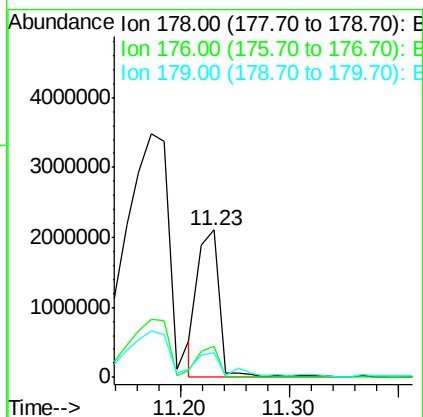
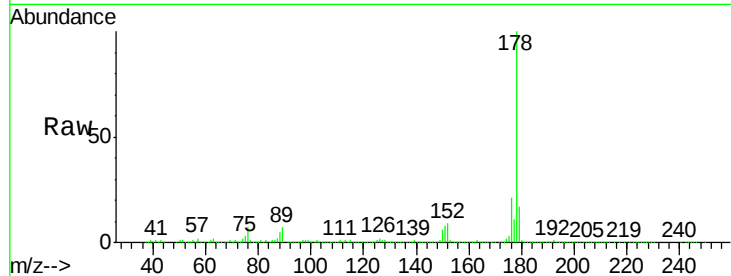




#70
Phenanthrene
Concen: 119.69 ng
RT: 11.23 min Scan# 835
Delta R.T. 0.07 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

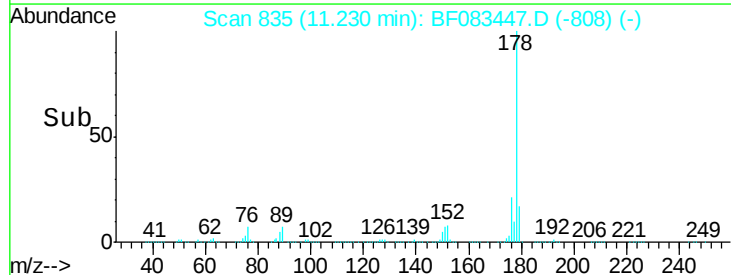
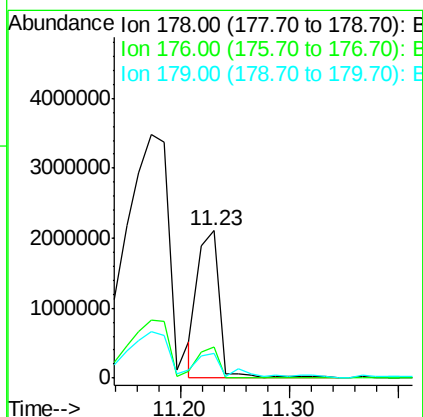
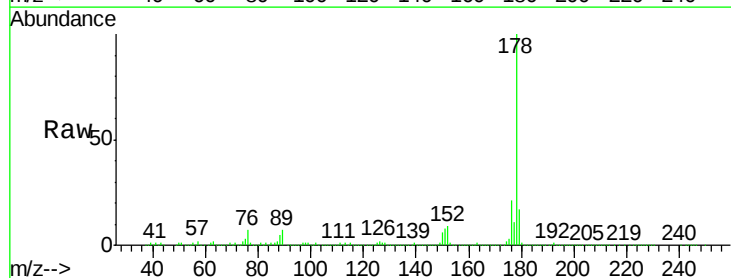
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

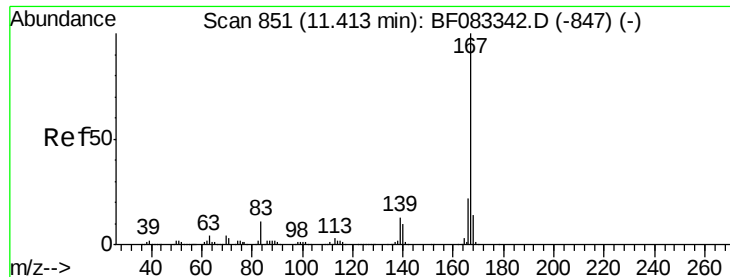
Tot Ion:178 Resp: 2863528
Ion Ratio Lower Upper
178 100
176 20.8 15.3 22.9
179 17.0 12.4 18.6



#71
Anthracene
Concen: 118.89 ng
RT: 11.23 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion:178 Resp: 2863528
Ion Ratio Lower Upper
178 100
176 20.8 15.6 23.4
179 17.0 12.8 19.2





#72

Carbazole

Concen: 18.30 ng

RT: 11.40 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

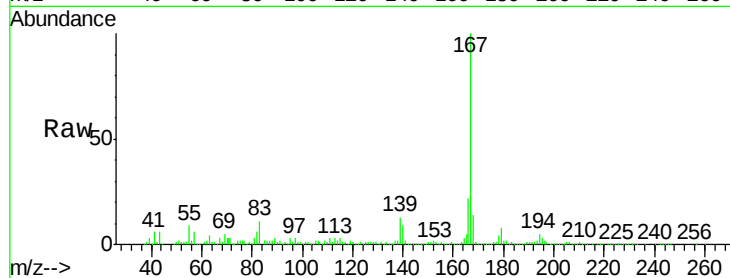
Tot Ion:167 Resp: 395919

Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.0

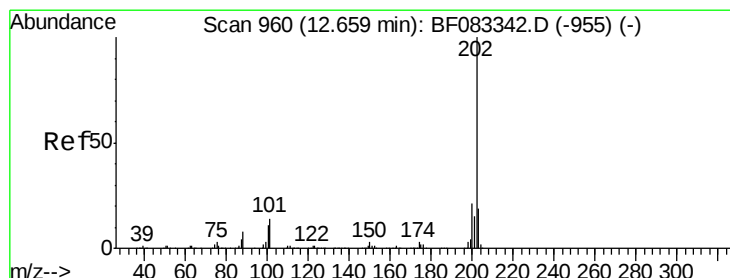
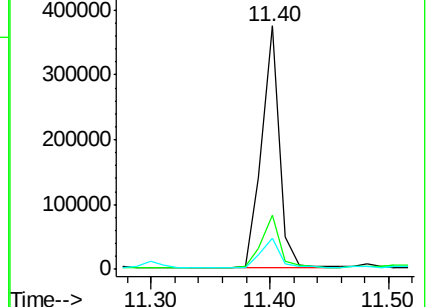
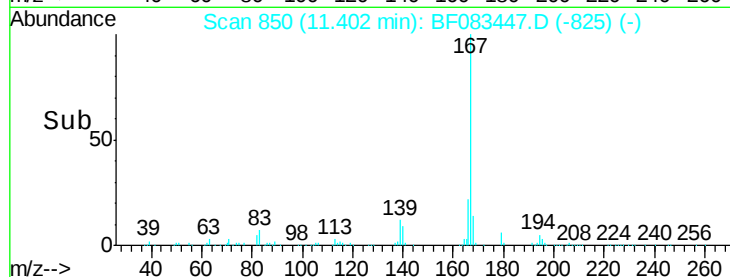
139 12.9 10.5 15.7



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: 234.40 ng

RT: 12.68 min Scan# 962

Delta R.T. 0.02 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

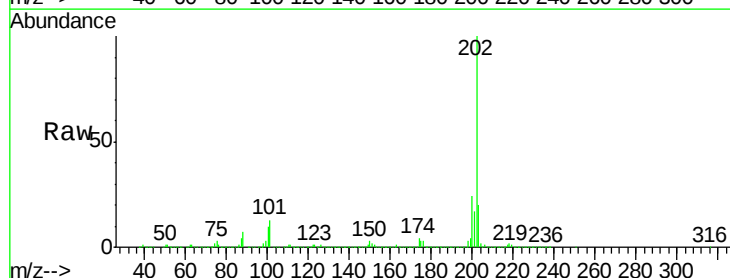
Tgt Ion:202 Resp: 5813058

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.5

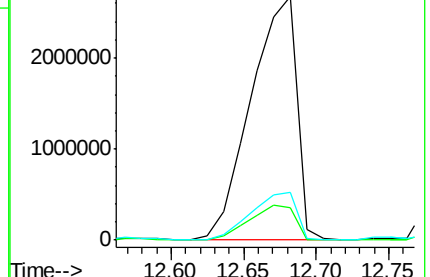
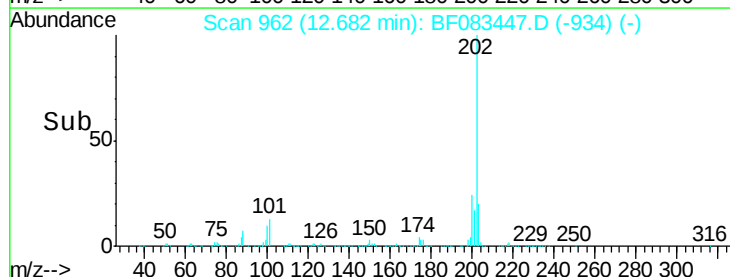
203 19.6 0.0 38.7

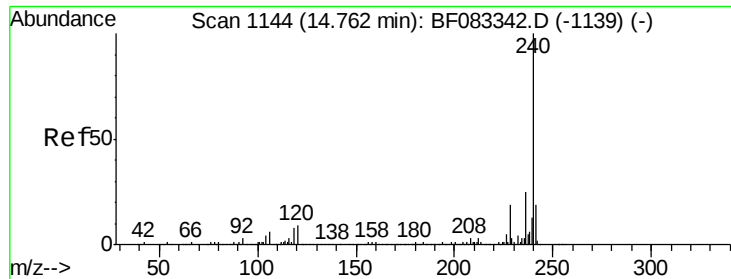


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

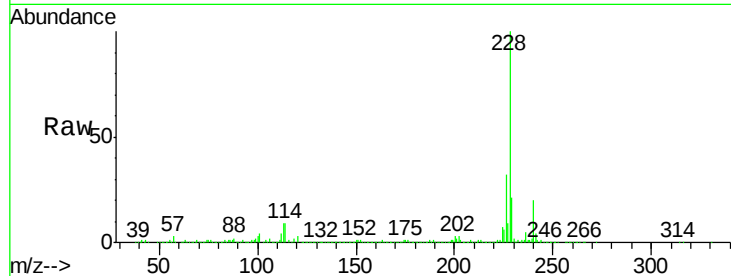
Tot Ion:240 Resp: 307241

Ion Ratio Lower Upper

240 100

120 14.0 6.9 10.3#

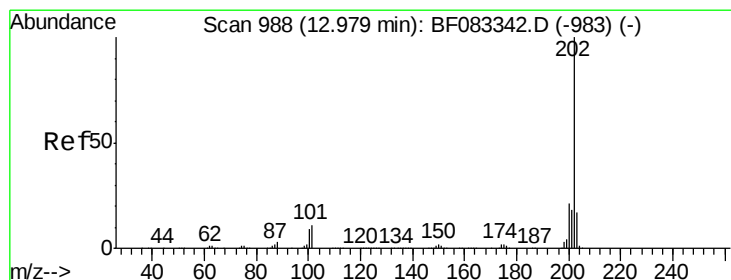
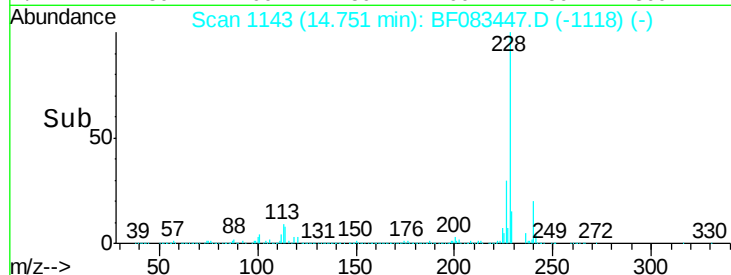
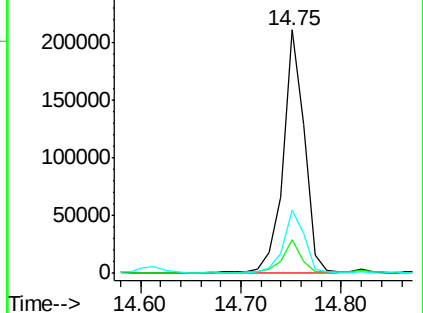
236 25.9 19.8 29.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 57.38 ng

RT: 12.78 min Scan# 971

Delta R.T. -0.19 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

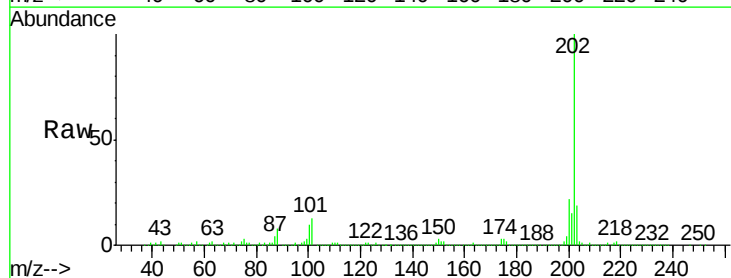
Tgt Ion:202 Resp: 1231206

Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

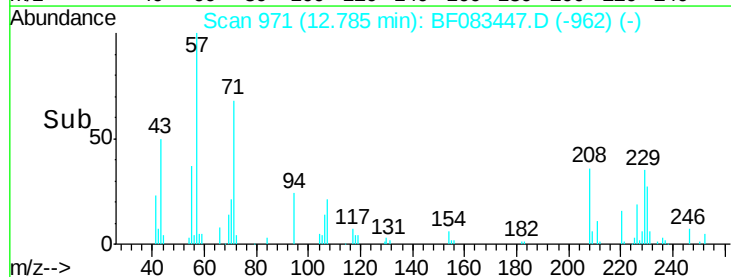
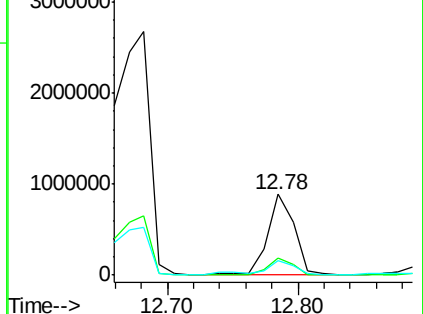
203 18.7 13.9 20.9

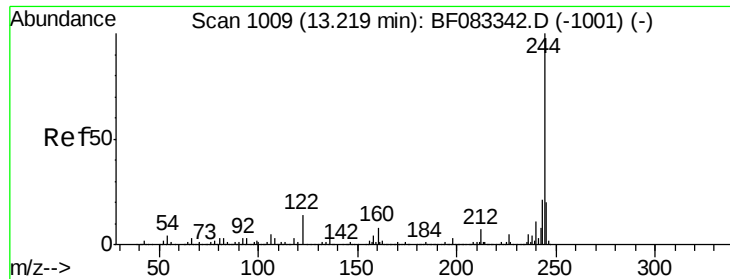


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 103.10 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

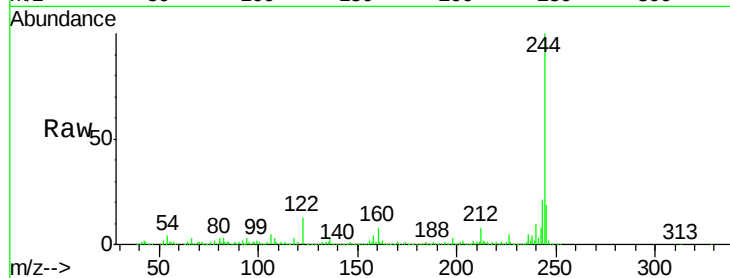
Tot Ion:244 Resp: 1328281

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

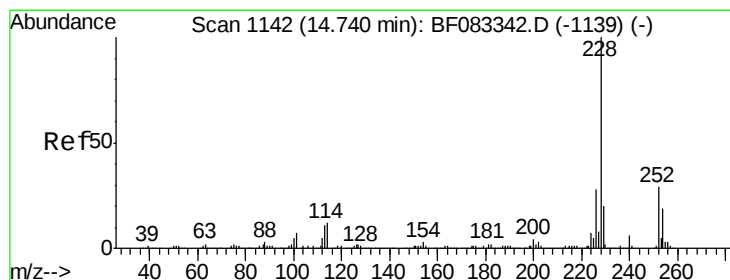
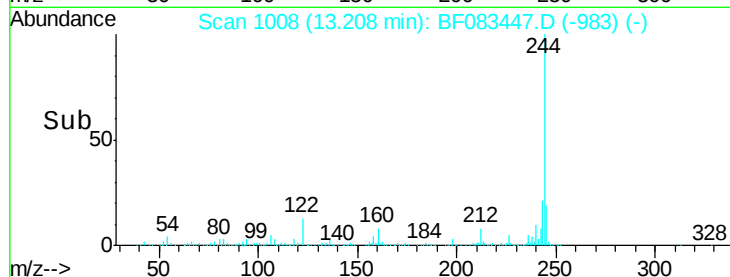
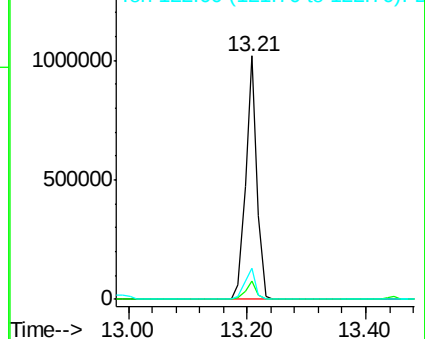
122 12.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 130.26 ng

RT: 14.80 min Scan# 1147

Delta R.T. 0.06 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

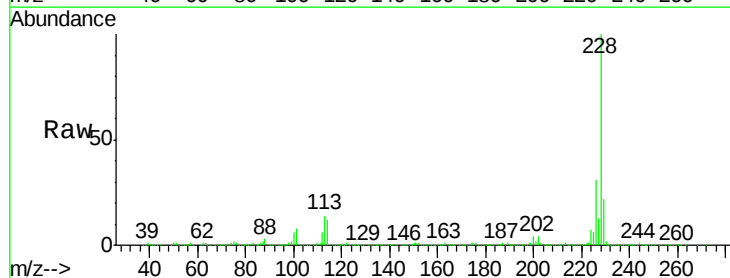
Tgt Ion:228 Resp: 2451877

Ion Ratio Lower Upper

228 100

226 31.5 22.2 33.4

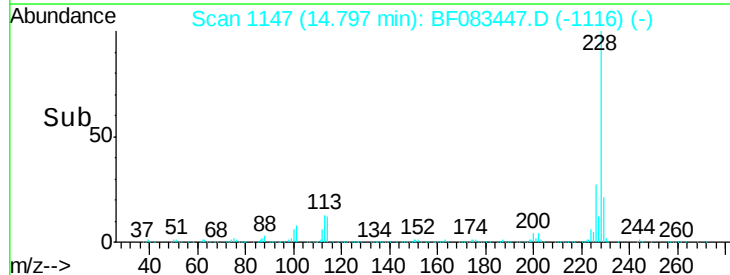
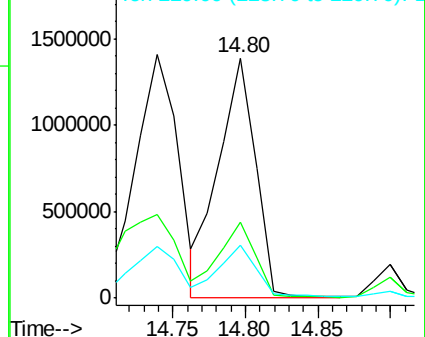
229 22.1 16.1 24.1

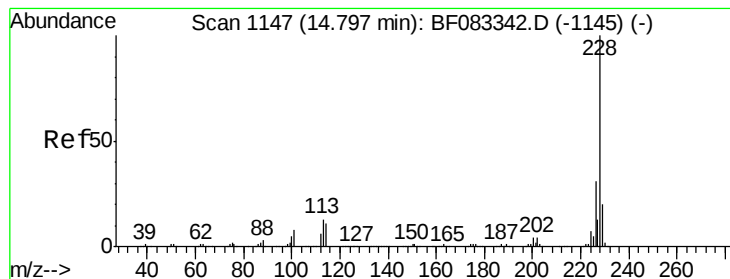


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 134.82 ng

RT: 14.80 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

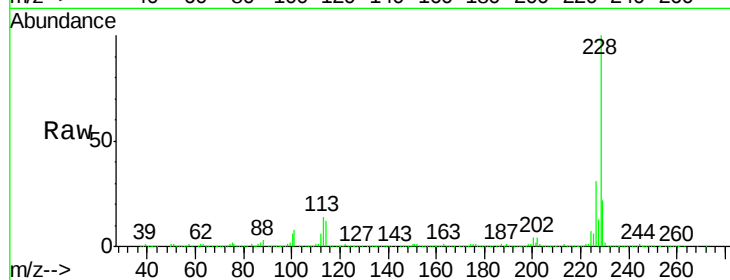
BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

Tot Ion:228 Resp: 2451877

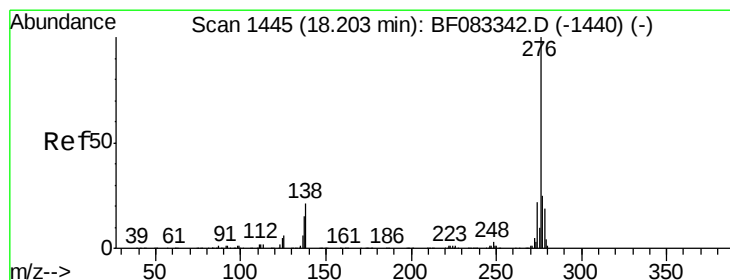
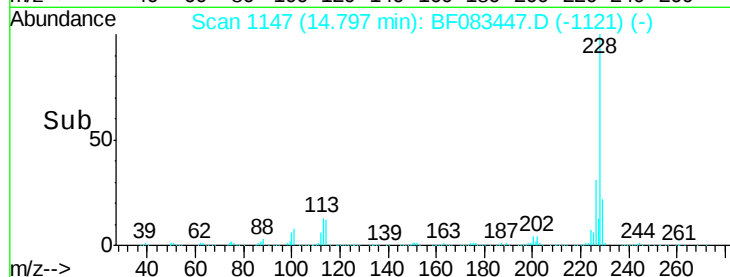
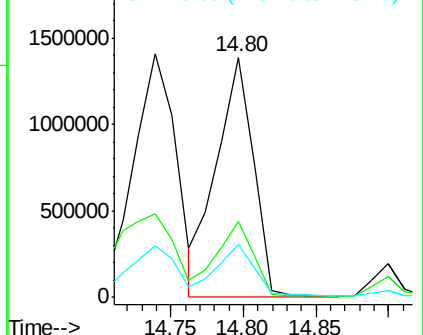
Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.6	37.0
229	22.1	16.2	24.2



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: 84.05 ng

RT: 18.20 min Scan# 1445

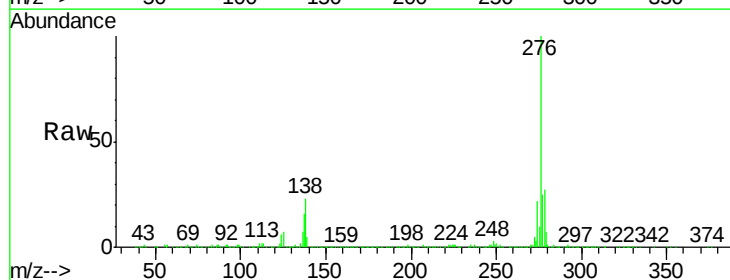
Delta R.T. -0.00 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Tgt Ion:276 Resp: 1113306

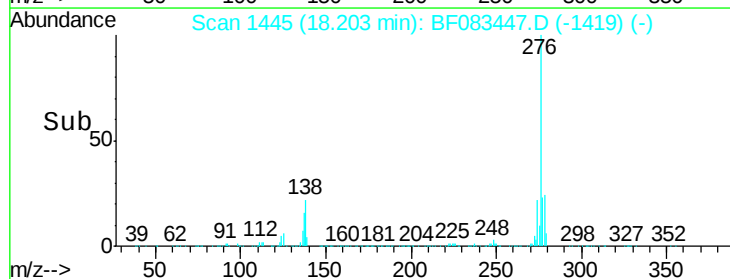
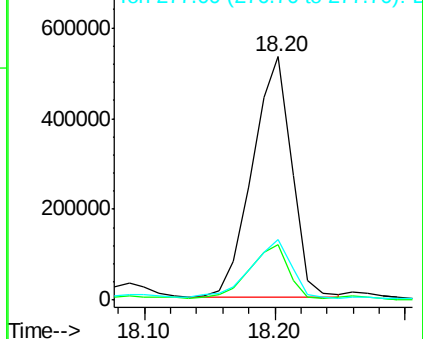
Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.2	31.8
277	25.5	20.0	30.0

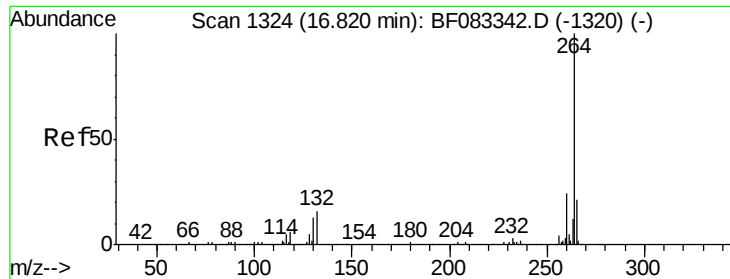


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

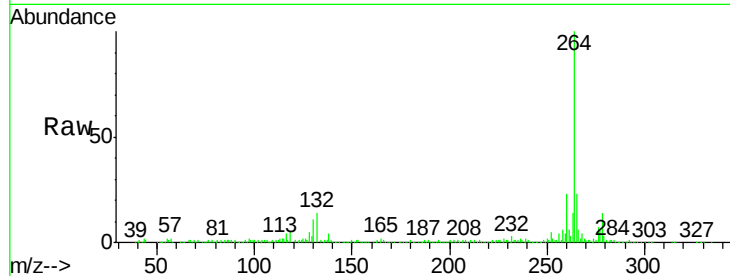




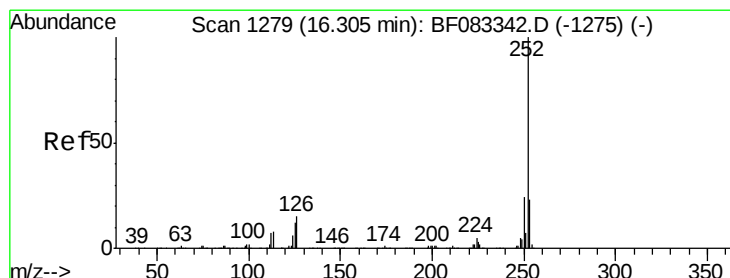
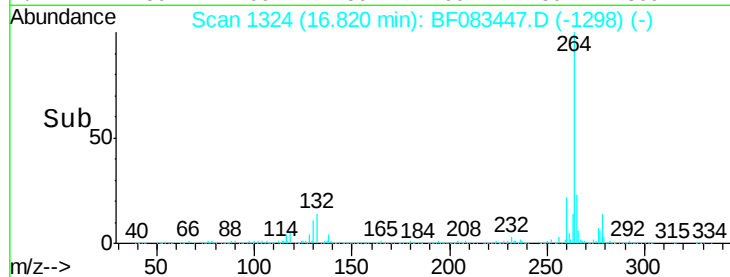
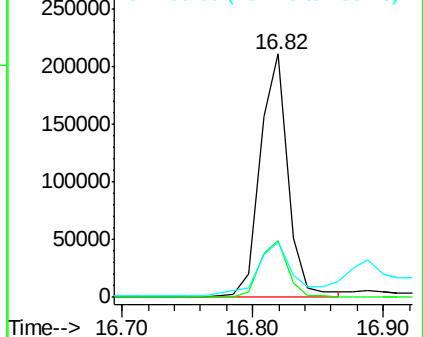
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.82 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

Tot Ion:264 Resp: 313293
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 23.0 16.8 25.2

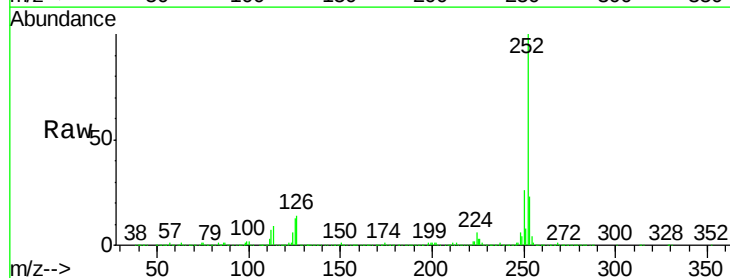


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

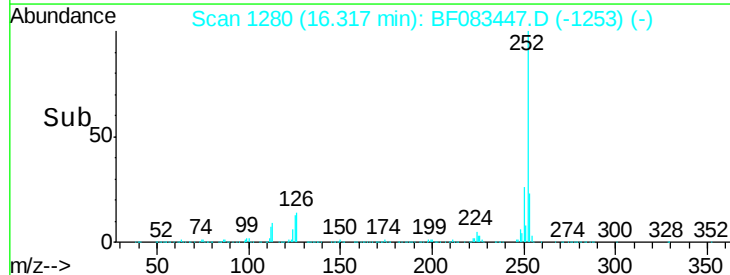
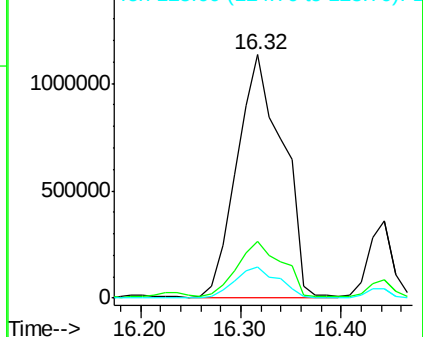


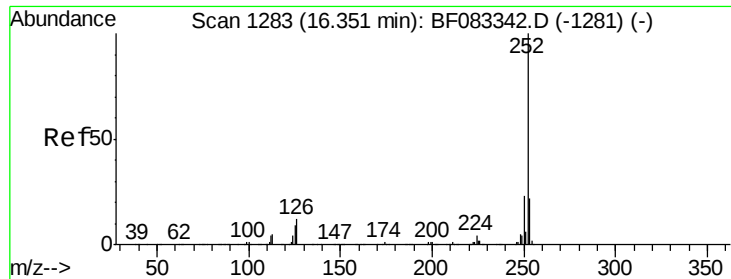
#87
Benzo(b)fluoranthene
Concen: 176.66 ng
RT: 16.32 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion:252 Resp: 3551382
Ion Ratio Lower Upper
252 100
253 23.3 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

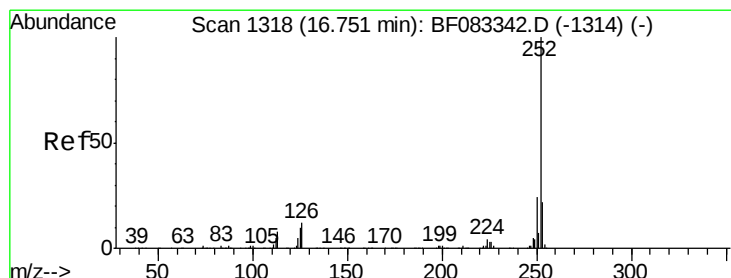
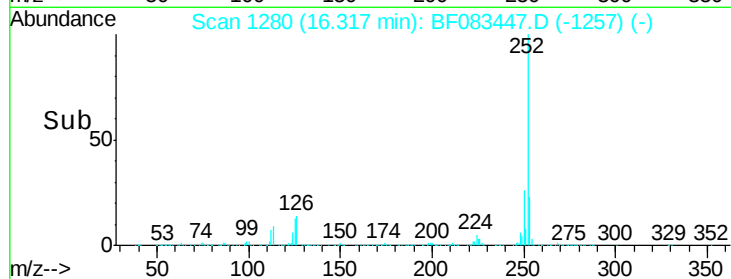
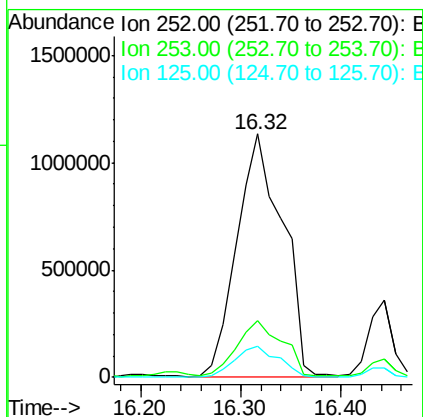
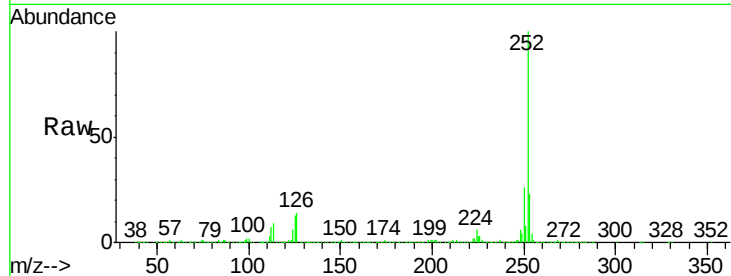




#88
Benzo(k)fluoranthene
Concen: 187.09 ng
RT: 16.32 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

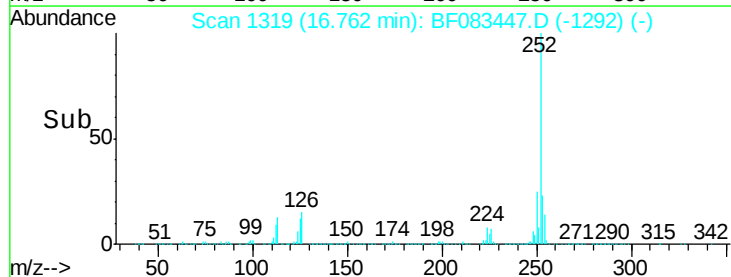
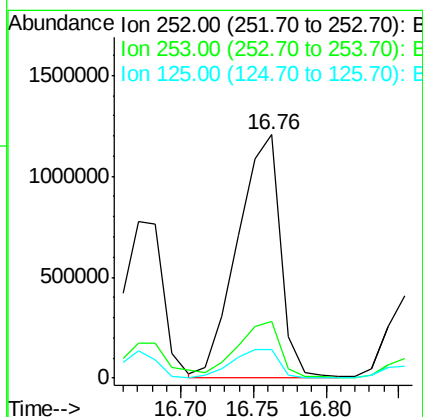
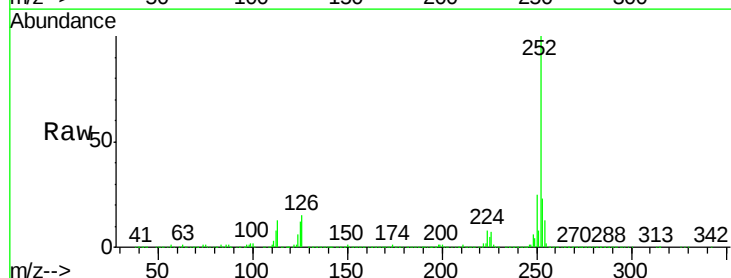
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)

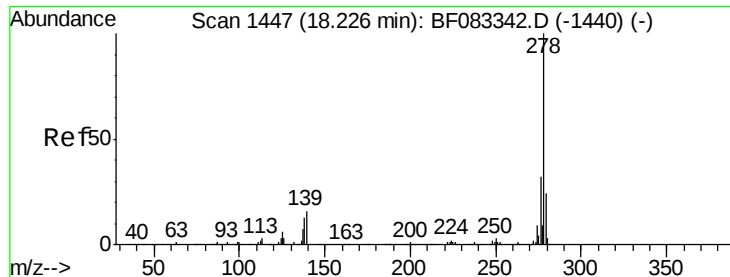
Tot Ion:252 Resp: 3551382
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.8 7.5 11.3#



#89
Benzo(a)pyrene
Concen: 142.40 ng
RT: 16.76 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF083447.D
Acq: 3 Dec 2015 6:53

Tgt Ion:252 Resp: 2458680
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.6 7.8 11.8





#90

Dibenzo(a,h)anthracene

Concen: 15.63 ng

RT: 18.35 min Scan# 1458

Delta R.T. 0.13 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)

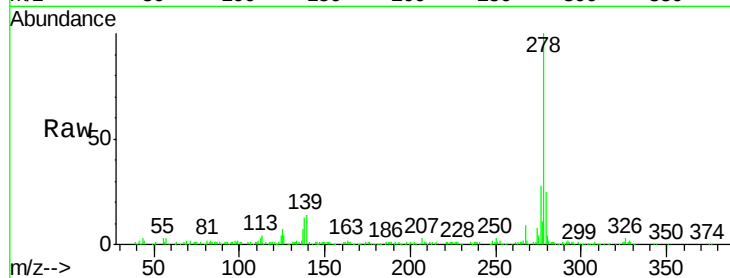
Tot Ion:278 Resp: 235215

Ion Ratio Lower Upper

278 100

139 14.4 13.1 19.7

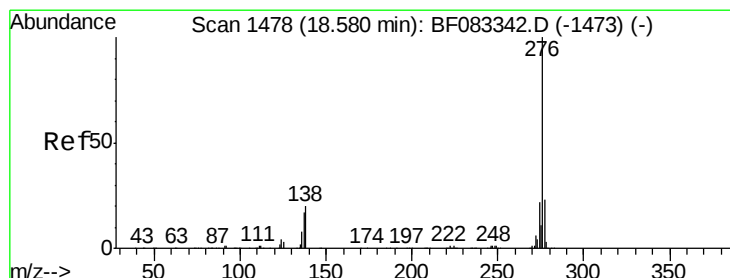
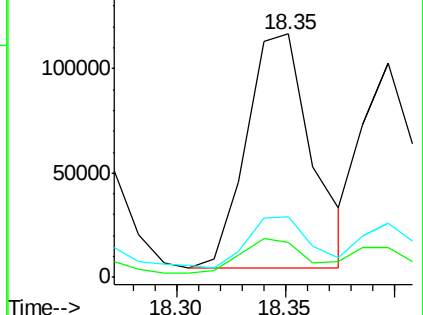
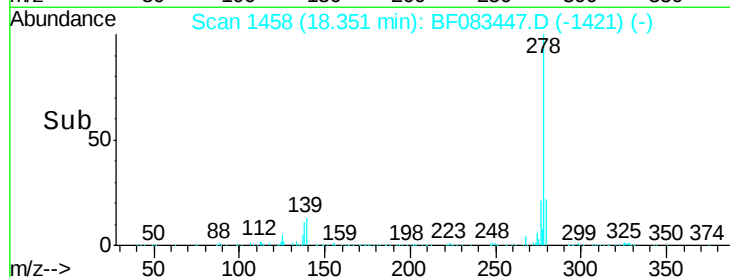
279 25.1 19.2 28.8



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: 78.42 ng

RT: 18.58 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF083447.D

Acq: 3 Dec 2015 6:53

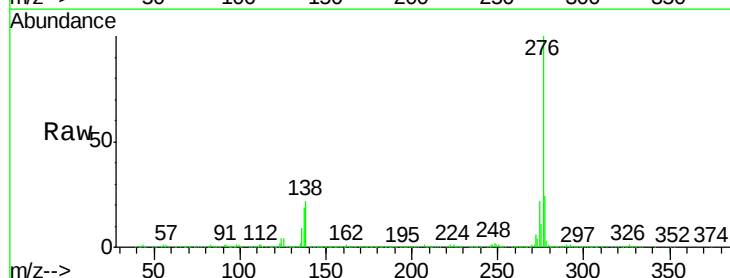
Tgt Ion:276 Resp: 1158014

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 22.0 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

