

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083454.D
 Acq On : 3 Dec 2015 10:27
 Operator : UM/IZ
 Sample : G4606-01 20X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

Quant Time: Dec 03 12:08:52 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

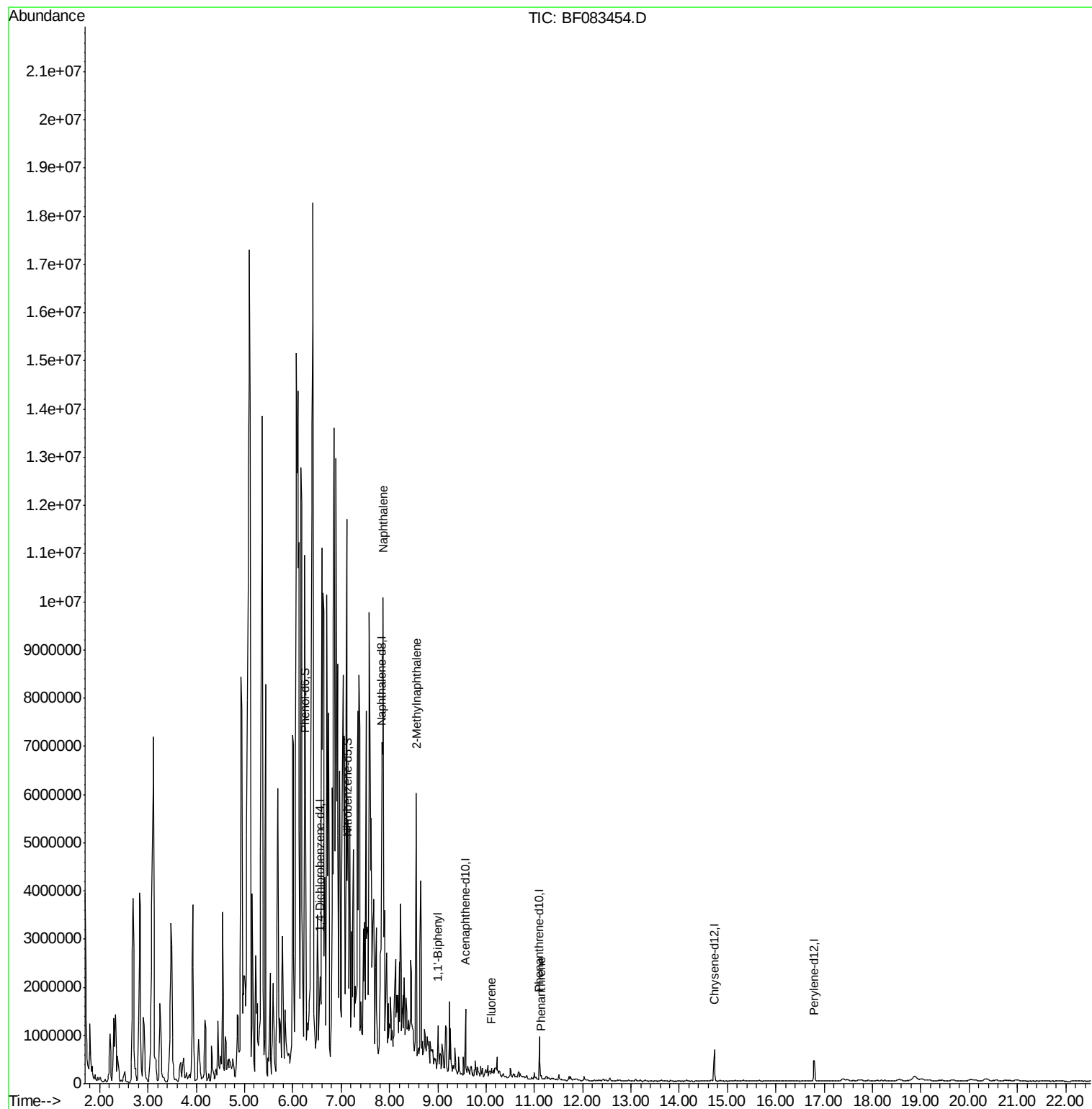
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	131173	20.00	ng	0.01
21) Naphthalene-d8	7.84	136	430281	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	243268	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	374173	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	343977	20.00	ng	-0.03
86) Perylene-d12	16.80	264	277274	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	2324	0.27	ng	-0.02
7) Phenol-d6	6.26	99	41581	3.48	ng	0.03
23) Nitrobenzene-d5	7.13	82	57721	5.90	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	2260	0.93	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	18600	1.09	ng	-0.01
78) Terphenyl-d14	13.20	244	14746	1.02	ng	-0.02
Target Compounds						
31) Naphthalene	7.87	128	3999425	171.31	ng	96
37) 2-Methylnaphthalene	8.56	142	2130187	136.53	ng	98
45) 1,1'-Biphenyl	9.00	154	67748	3.18	ng	96
57) Fluorene	10.11	166	38110	2.16	ng	# 78
70) Phenanthrene	11.14	178	45766	2.07	ng	# 93

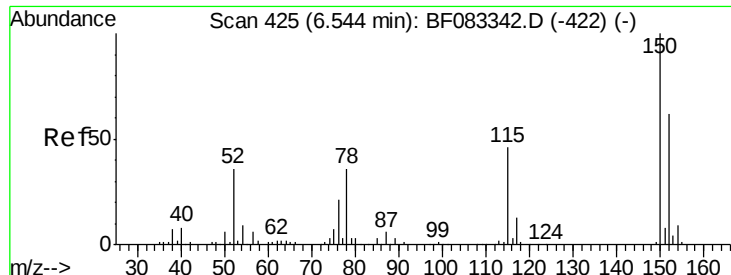
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 12:08:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

Instrument :

BNA_F

ClientSampleId :

C-68-20151130

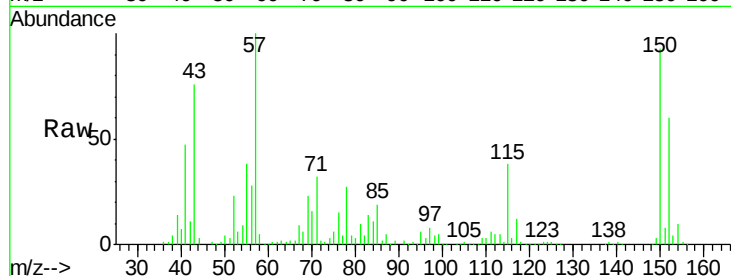
Tot Ion:152 Resp: 131173

Ion Ratio Lower Upper

152 100

150 156.3 129.8 194.8

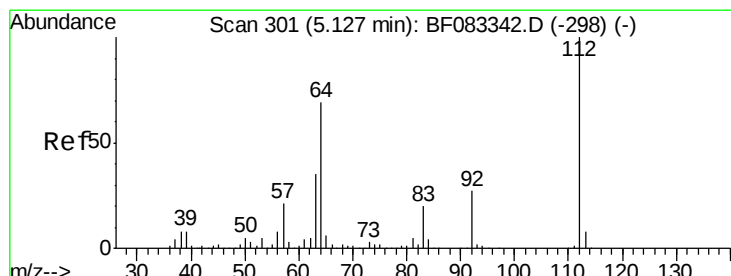
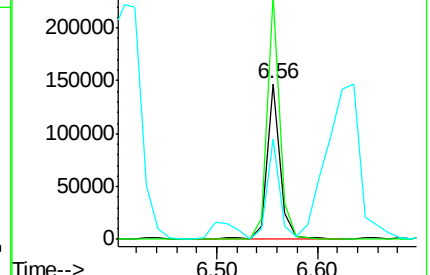
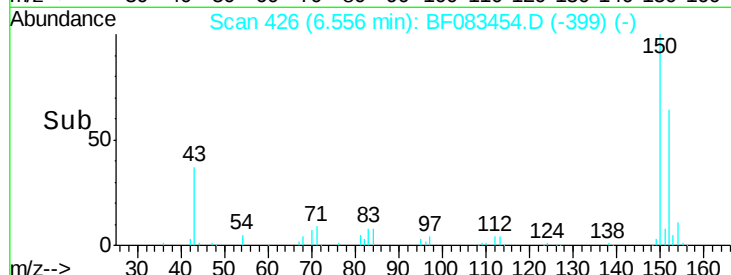
115 64.3 59.2 88.8



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: 0.27 ng

RT: 5.10 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

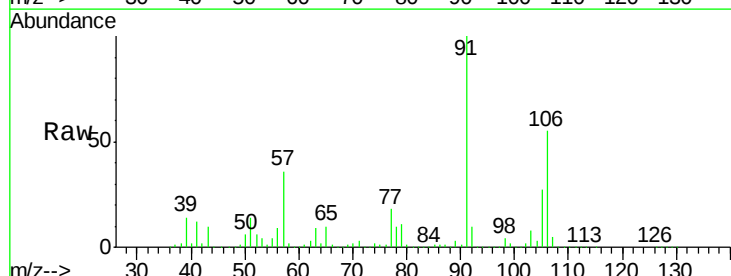
Tgt Ion:112 Resp: 2324

Ion Ratio Lower Upper

112 100

64 2558.0 55.6 83.4#

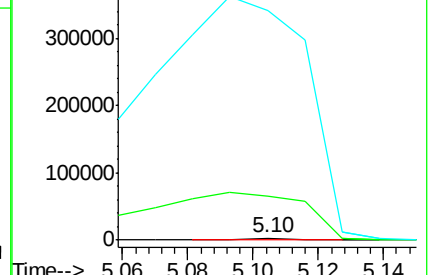
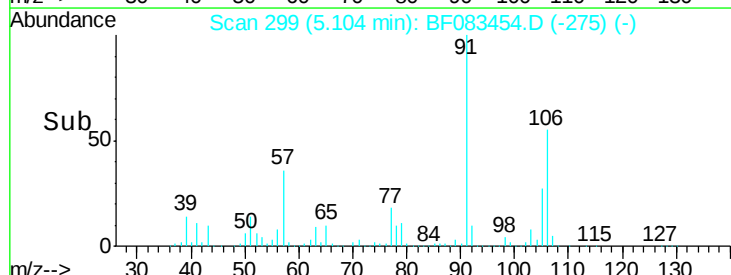
63 13195.7 28.2 42.2#

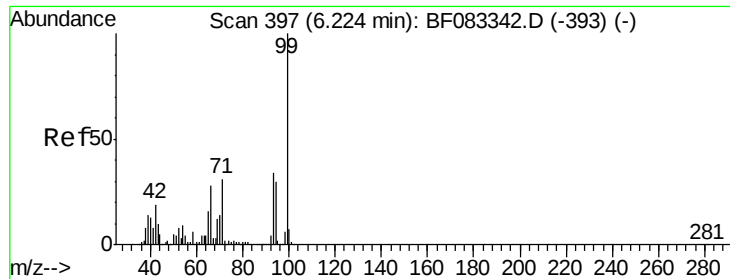


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.48 ng

RT: 6.26 min Scan# 400

Delta R.T. 0.03 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

Instrument :

BNA_F

ClientSampleId :

C-68-20151130

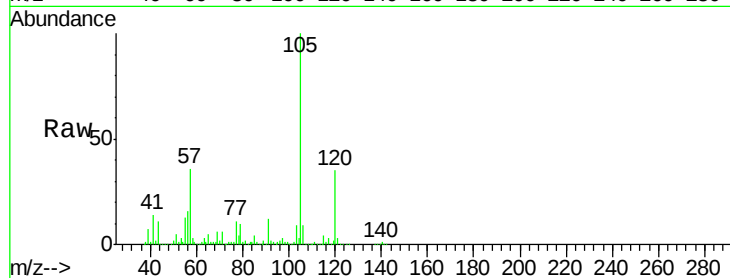
Tot Ion: 99 Resp: 41581

Ion Ratio Lower Upper

99 100

42 124.5 14.9 22.3#

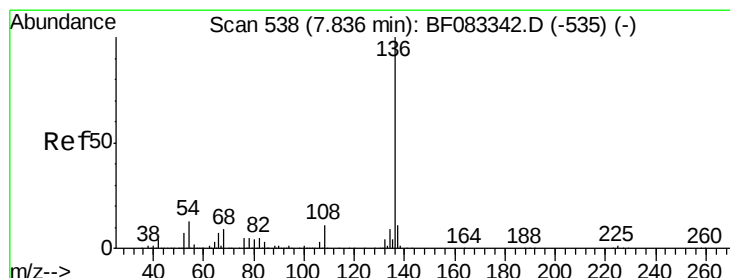
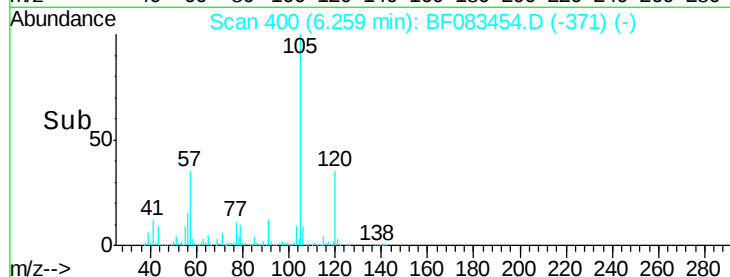
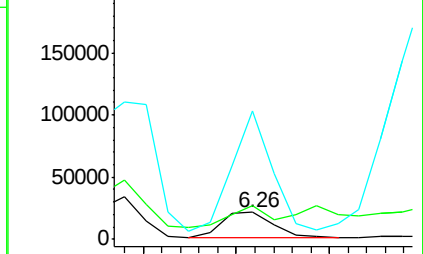
71 471.6 24.7 37.1#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

Tgt Ion: 136 Resp: 430281

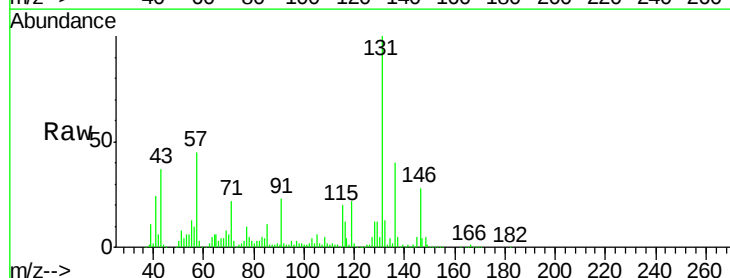
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.4

54 14.5 10.1 15.1

68 10.2 7.1 10.7

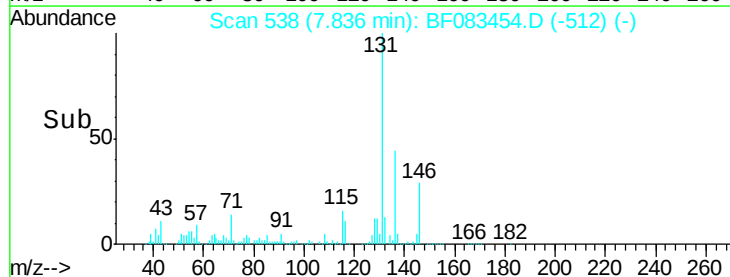
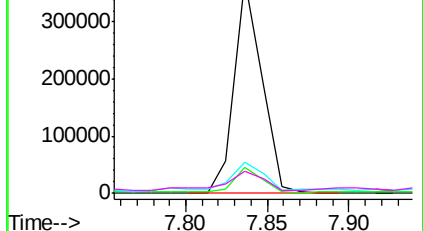


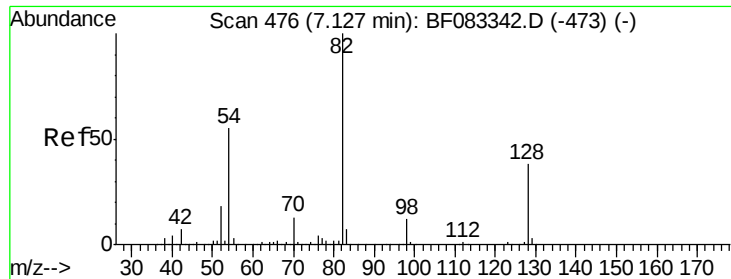
Abundance Ion 136.00 (135.70 to 136.70): E

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

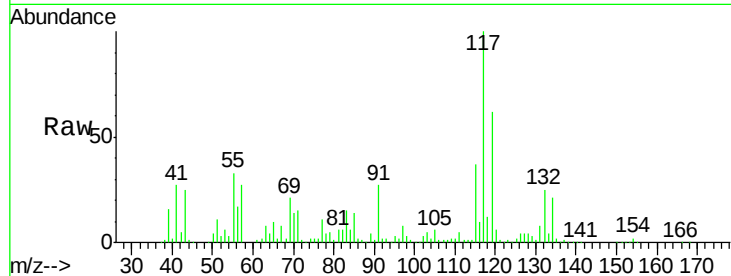




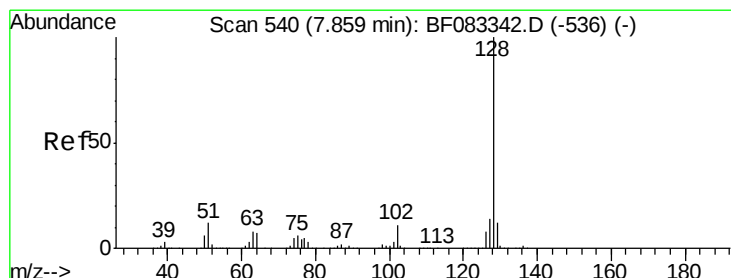
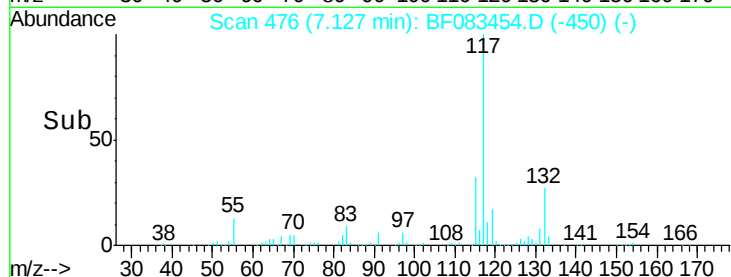
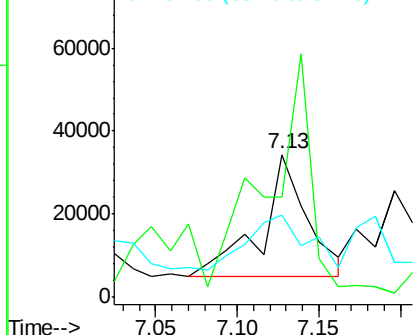
#23
Nitrobenzene-d5
Concen: 5.90 ng
RT: 7.13 min Scan# 476
Delta R.T. 0.00 min
Lab File: BF083454.D
Acq: 3 Dec 2015 10:27

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

Tot Ion: 82 Resp: 57721
Ion Ratio Lower Upper
82 100
128 70.3 30.6 46.0#
54 57.3 43.8 65.6

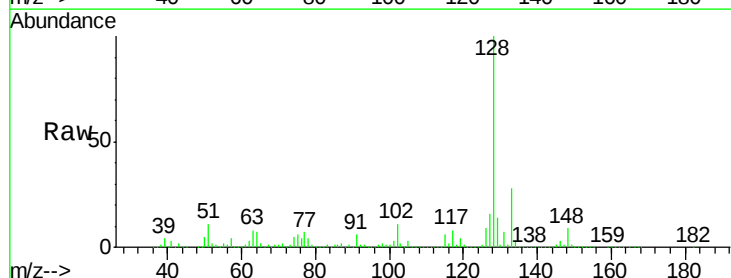


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

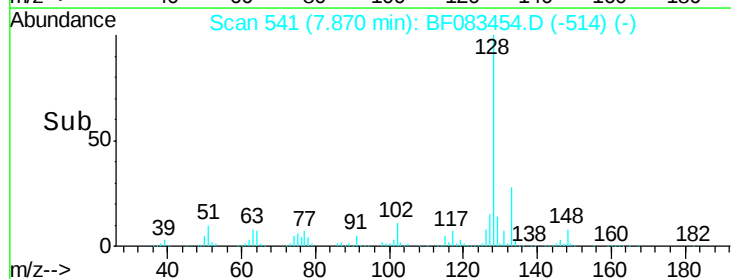
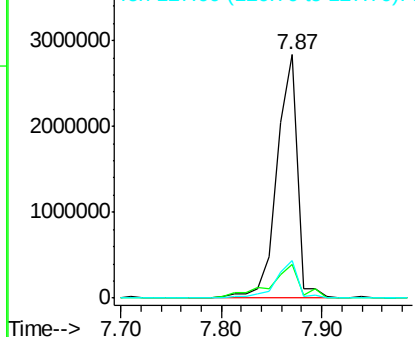


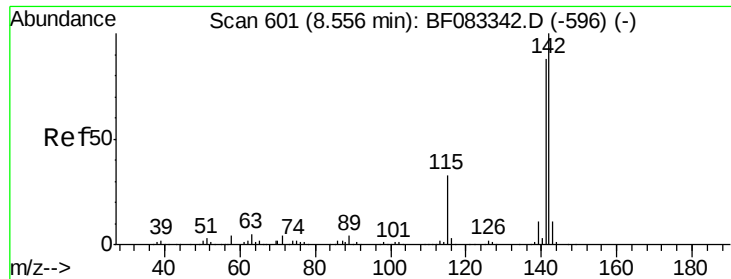
#31
Naphthalene
Concen: 171.31 ng
RT: 7.87 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF083454.D
Acq: 3 Dec 2015 10:27

Tgt Ion:128 Resp: 3999425
Ion Ratio Lower Upper
128 100
129 13.7 9.7 14.5
127 15.5 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



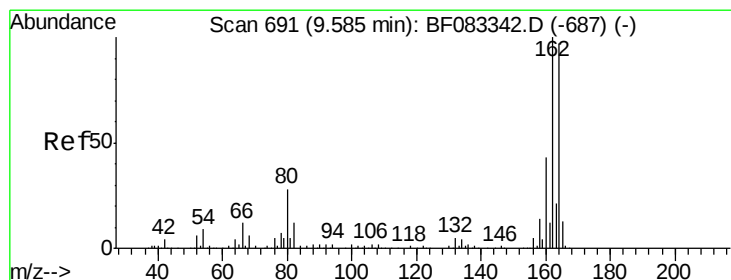
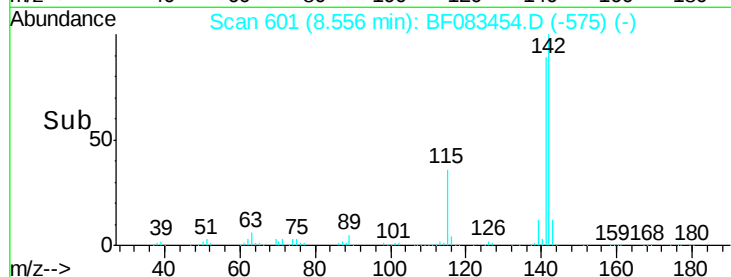
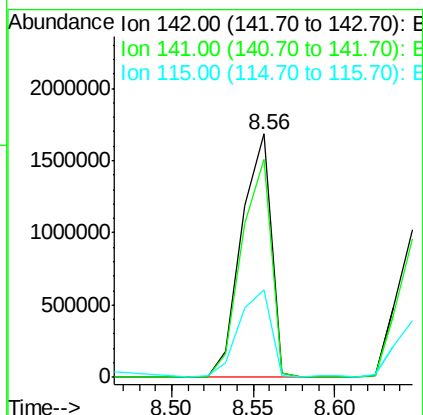
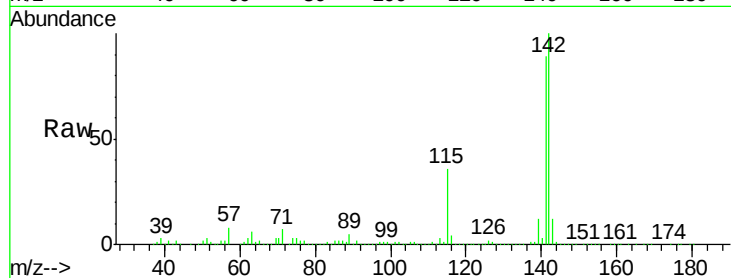


#37
 2-Methylnaphthalene
 Concen: 136.53 ng
 RT: 8.56 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF083454.D
 Acq: 3 Dec 2015 10:27

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

Tot Ion:142 Resp: 2130187

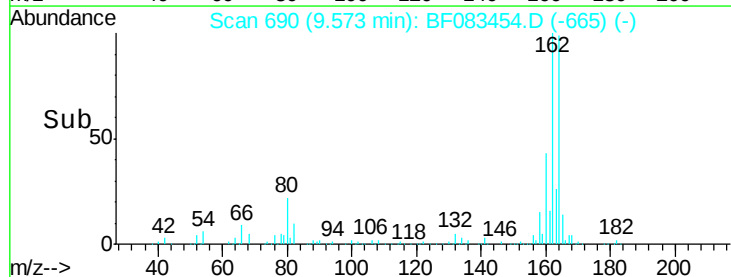
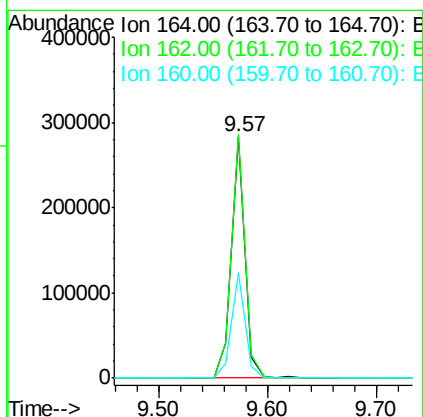
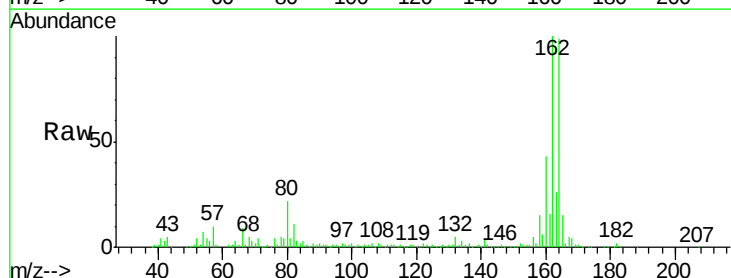
Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.6	105.8
115	35.9	26.2	39.2

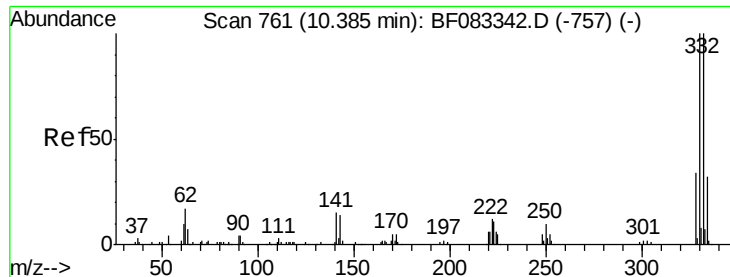


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF083454.D
 Acq: 3 Dec 2015 10:27

Tgt Ion:164 Resp: 243268

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	43.5	35.3	52.9

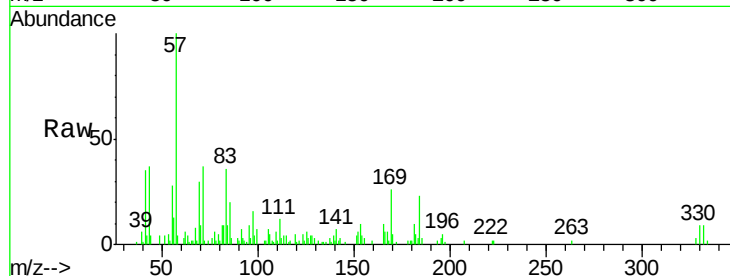




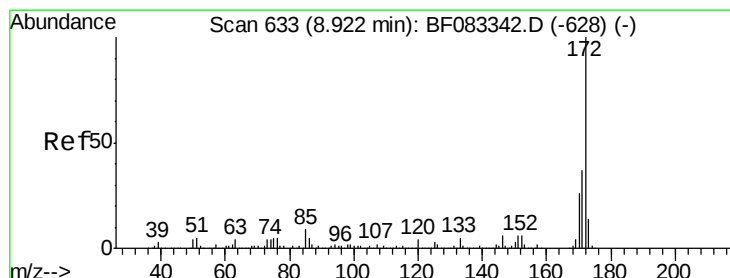
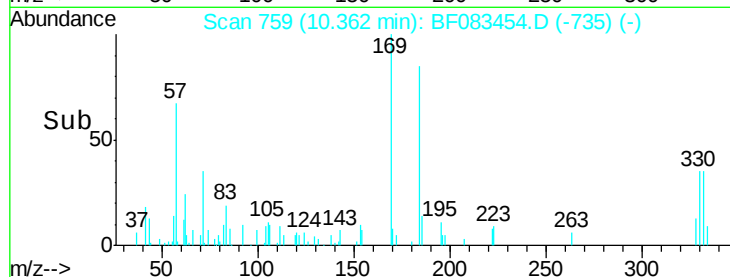
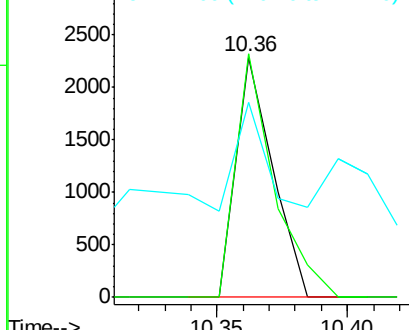
#41
 2,4,6-Tribromophenol
 Concen: 0.93 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083454.D
 Acq: 3 Dec 2015 10:27

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

Tot Ion:330 Resp: 2260
 Ion Ratio Lower Upper
 330 100
 332 105.6 77.8 116.6
 141 78.3 29.4 44.0#

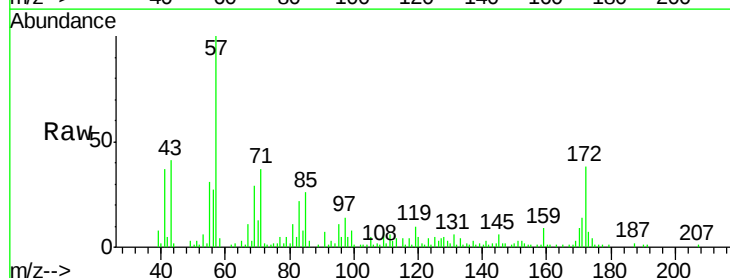


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

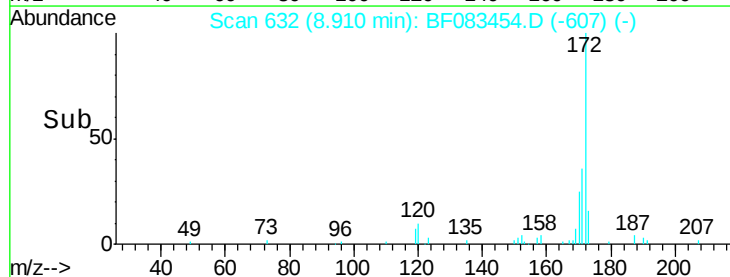
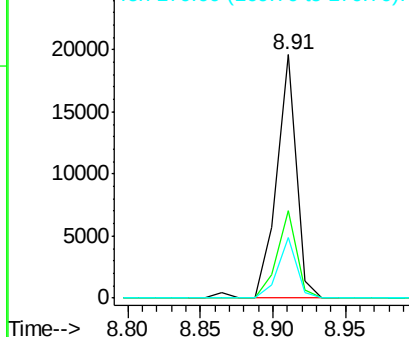


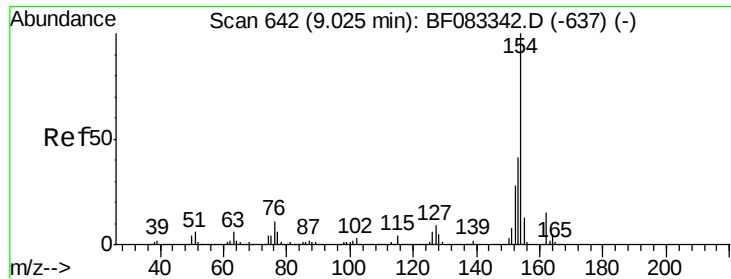
#44
 2-Fluorobiphenyl
 Concen: 1.09 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083454.D
 Acq: 3 Dec 2015 10:27

Tgt Ion:172 Resp: 18600
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.7 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: 3.18 ng

RT: 9.00 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

Instrument :

BNA_F

ClientSampleId :

C-68-20151130

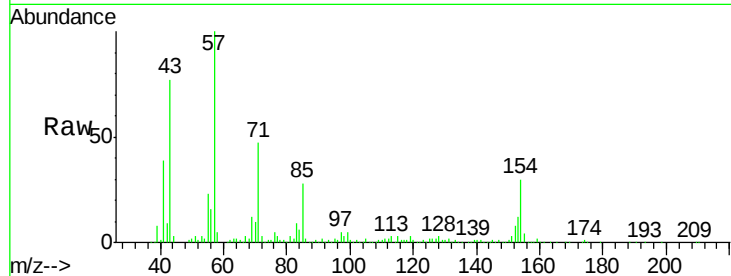
Tot Ion:154 Resp: 67748

Ion Ratio Lower Upper

154 100

153 41.0 20.6 60.6

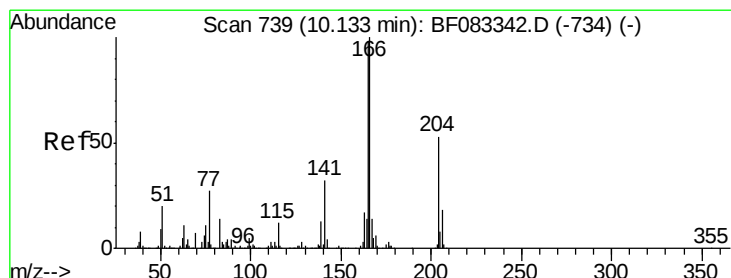
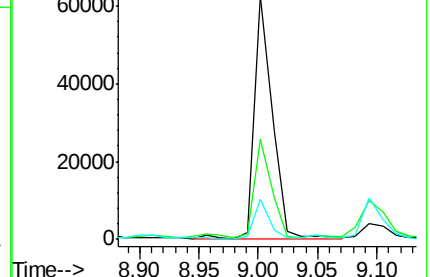
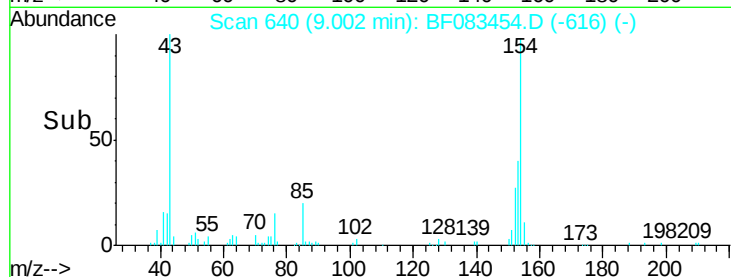
76 16.3 0.0 30.5



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



#57

Fluorene

Concen: 2.16 ng

RT: 10.11 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

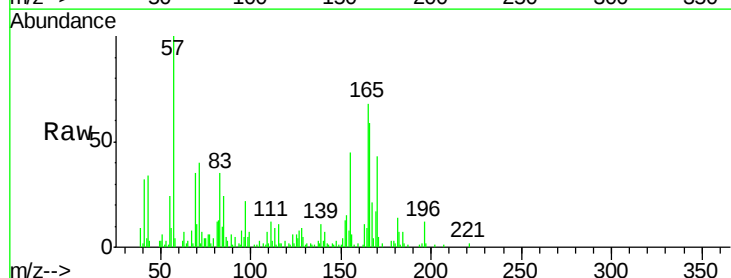
Tgt Ion:166 Resp: 38110

Ion Ratio Lower Upper

166 100

165 115.3 78.3 117.5

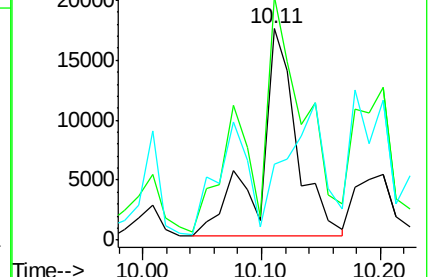
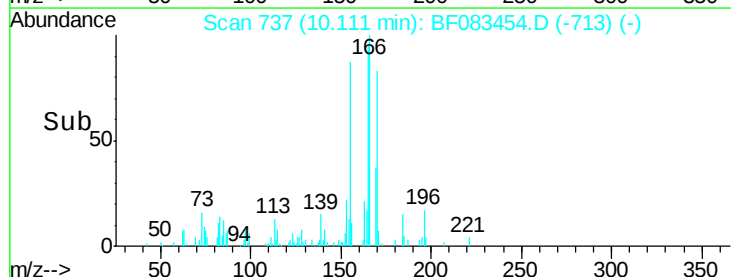
167 35.9 11.1 16.7#

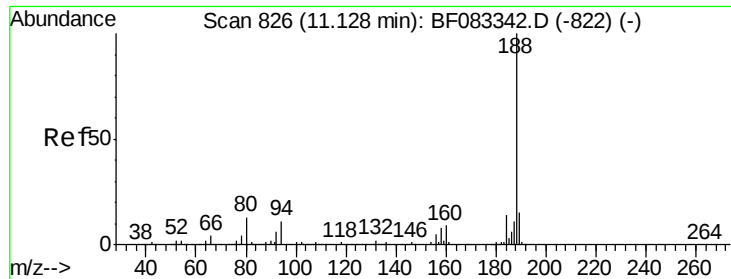


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

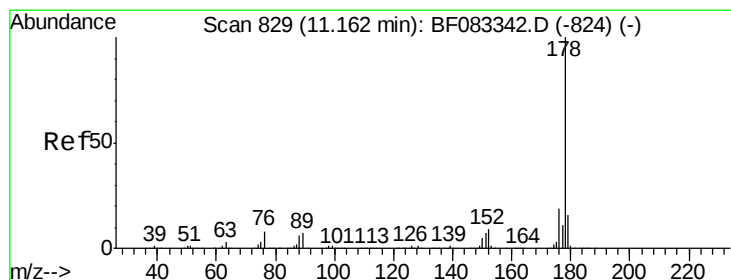
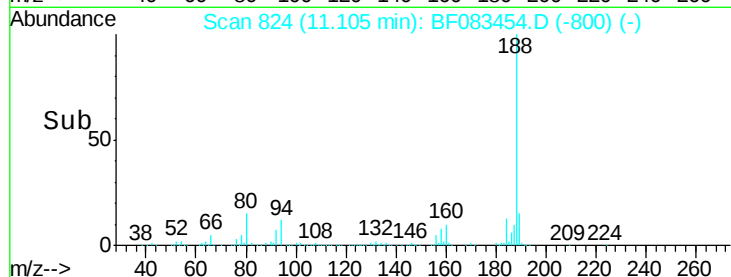
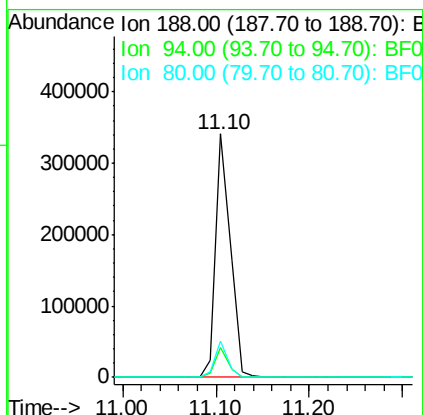
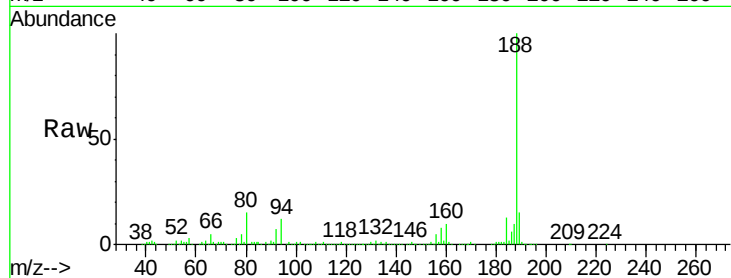




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF083454.D
Acq: 3 Dec 2015 10:27

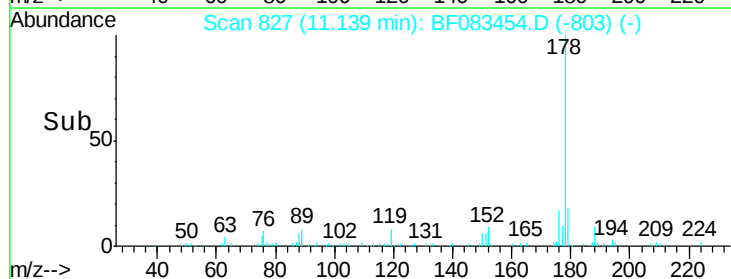
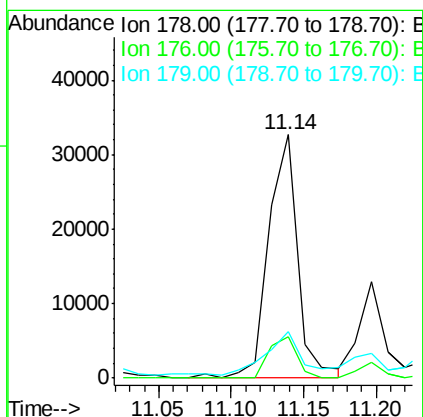
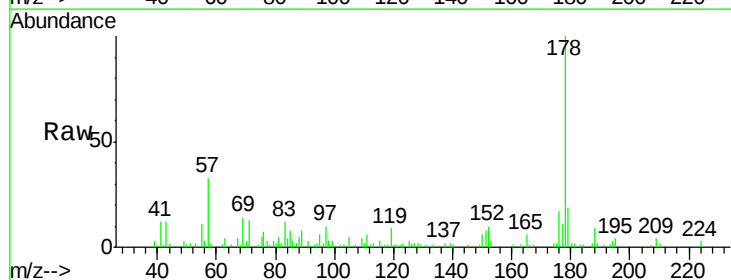
Instrument :
BNA_F
ClientSampleId :
C-68-20151130

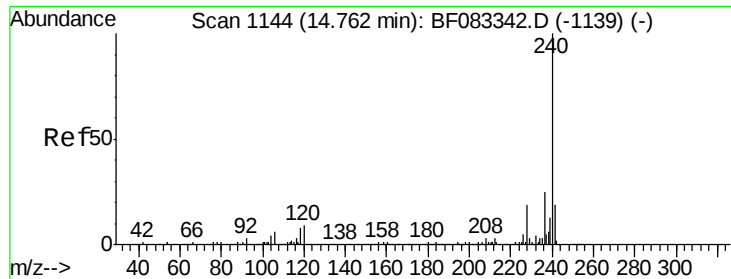
Tot Ion:188 Resp: 374173
Ion Ratio Lower Upper
188 100
94 12.3 8.7 13.1
80 14.9 10.3 15.5



#70
Phenanthrene
Concen: 2.07 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083454.D
Acq: 3 Dec 2015 10:27

Tgt Ion:178 Resp: 45766
Ion Ratio Lower Upper
178 100
176 17.0 15.3 22.9
179 19.2 12.4 18.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

Instrument :

BNA_F

ClientSampleId :

C-68-20151130

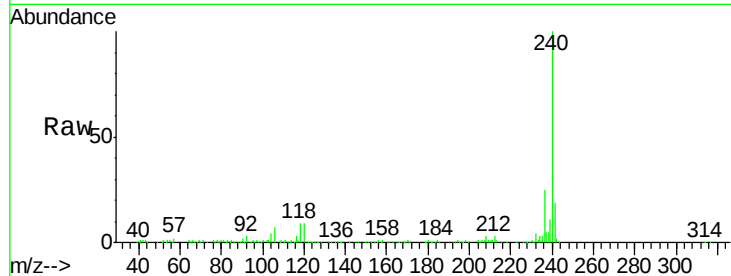
Tot Ion:240 Resp: 343977

Ion Ratio Lower Upper

240 100

120 9.1 6.9 10.3

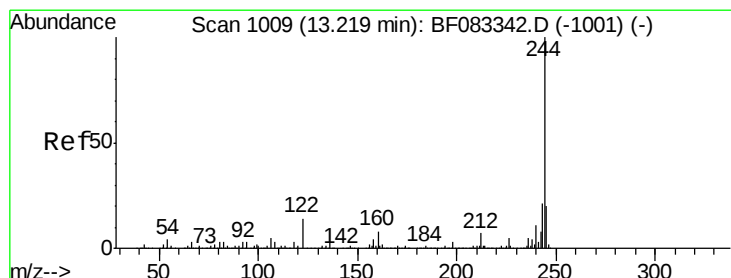
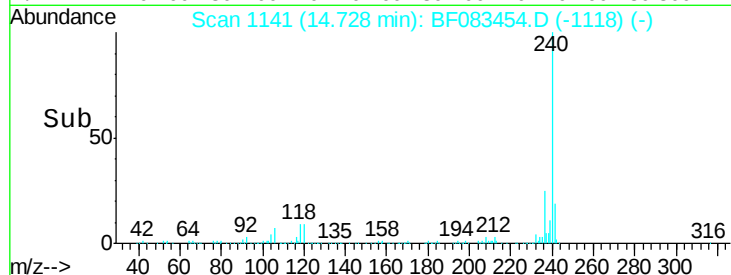
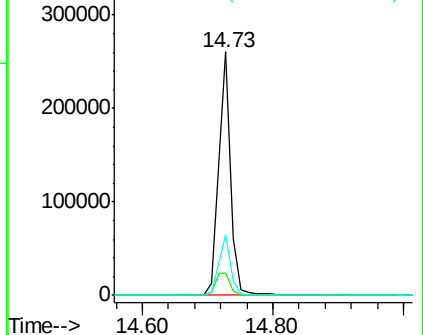
236 25.0 19.8 29.6



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



#78

Terphenyl-d14

Concen: 1.02 ng

RT: 13.20 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

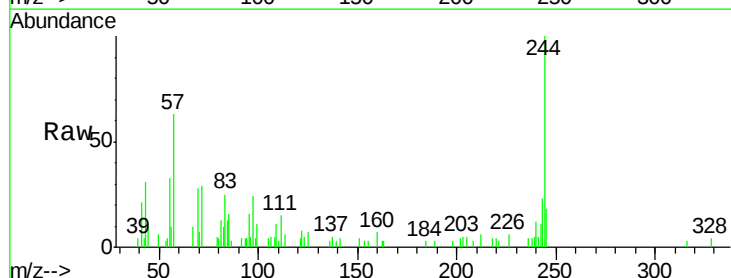
Tgt Ion:244 Resp: 14746

Ion Ratio Lower Upper

244 100

212 5.8 5.8 8.8

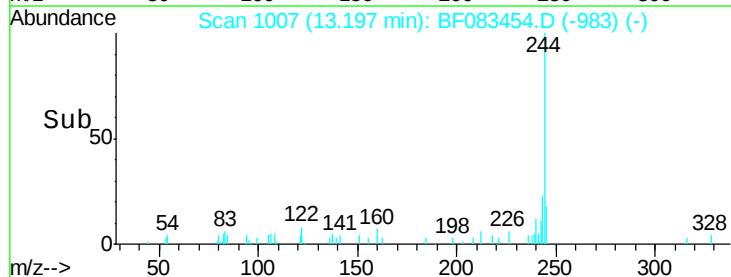
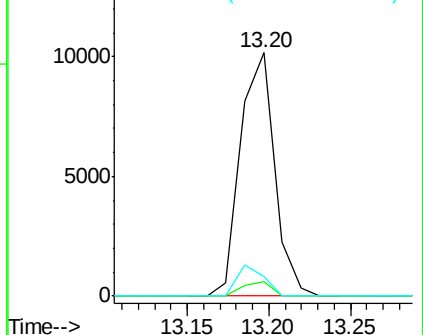
122 8.2 11.0 16.4#

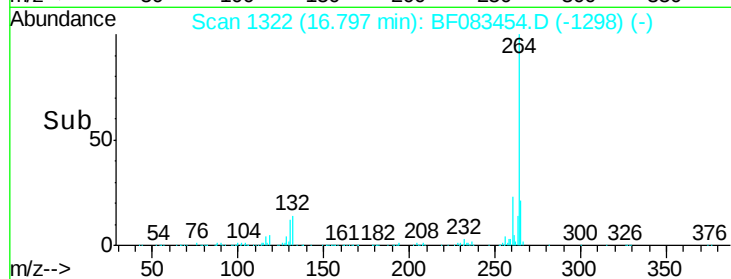
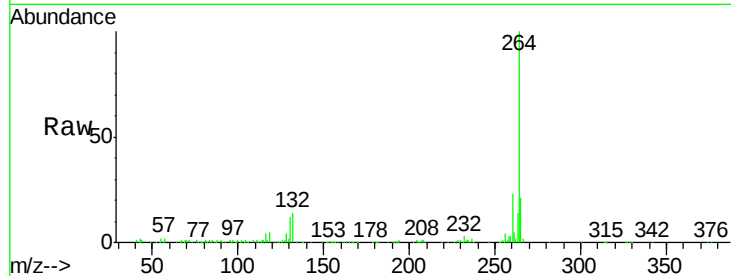
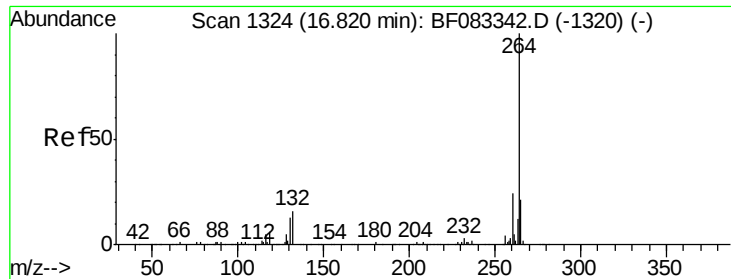


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.80 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF083454.D

Acq: 3 Dec 2015 10:27

Instrument :

BNA_F

ClientSampleId :

C-68-20151130

Tot Ion:264 Resp: 277274

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.1 16.8 25.2

