

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
 Data File : BF083177.D
 Acq On : 23 Nov 2015 00:06
 Operator : UM/IZ
 Sample : G4496-01
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Quant Time: Nov 23 03:42:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

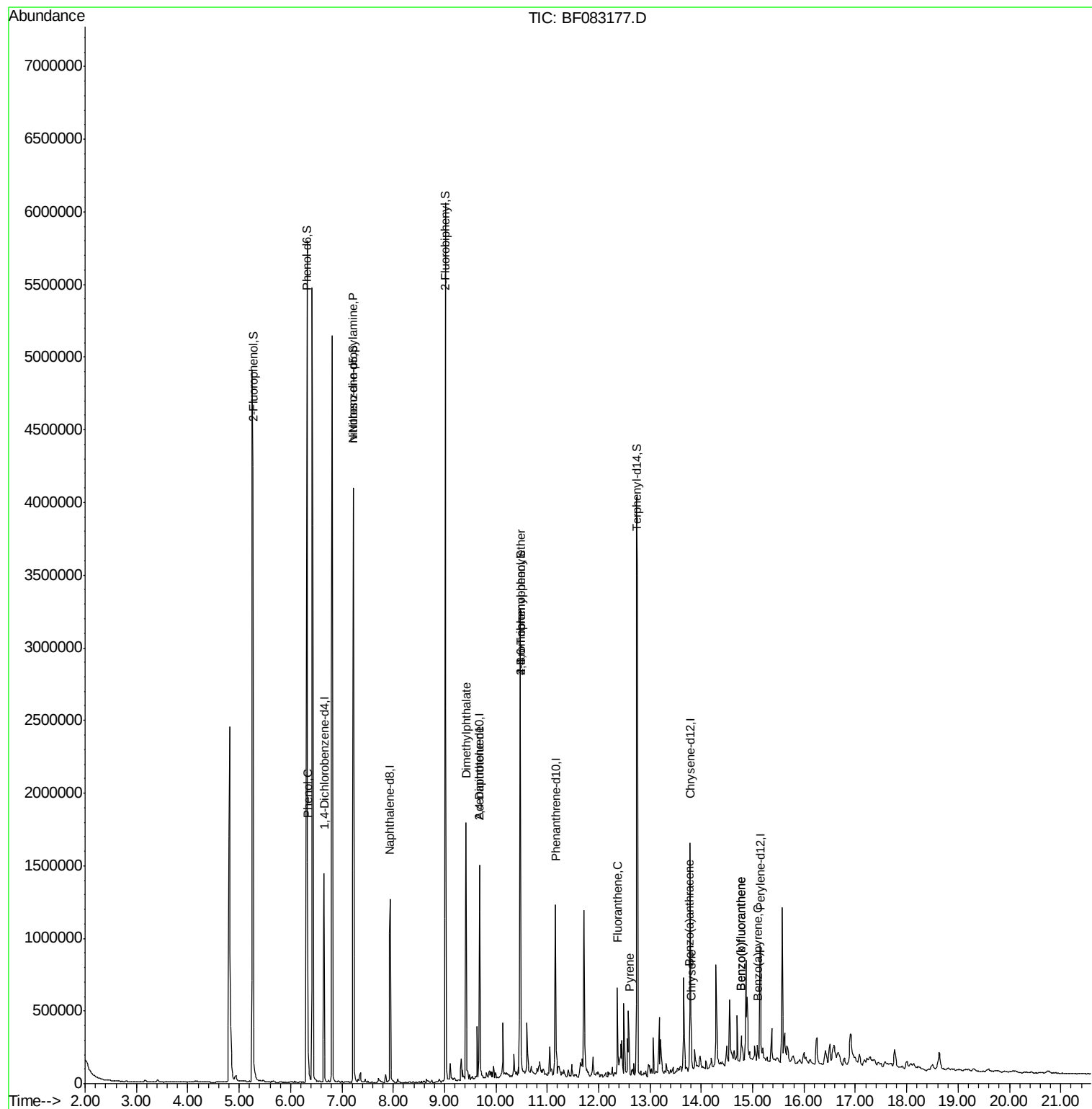
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	217881	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	781364	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	367178	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	652081	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	491609	20.00	ng	-0.02
86) Perylene-d12	15.15	264	443029	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1991712	138.20	ng	-0.01
7) Phenol-d6	6.32	99	2467265	132.32	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1585866	92.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	516461	137.49	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2237584	84.98	ng	-0.01
78) Terphenyl-d14	12.75	244	1822131	87.28	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.25	77	1674	Below Cal	#	44
10) Phenol	6.33	94	56686	2.51 ng		88
19) n-Nitroso-di-n-propylamine	7.22	70	213951	16.49 ng	#	76
49) Dimethylphthalate	9.42	163	654581	23.16 ng		99
56) 2,4-Dinitrotoluene	9.68	165	47815	5.95 ng	#	11
66) 4-Bromophenyl-phenylether	10.48	248	33540	4.64 ng	#	1
74) Fluoranthene	12.37	202	136947	3.56 ng		97
77) Pyrene	12.59	202	114757	3.42 ng		97
80) Benzo(a)anthracene	13.77	228	73111	2.40 ng		98
82) Chrysene	13.81	228	56834	2.02 ng		96
87) Benzo(b)fluoranthene	14.78	252	116865	3.86 ng	#	94
88) Benzo(k)fluoranthene	14.78	252	116865	5.18 ng	#	96
89) Benzo(a)pyrene	15.10	252	52641	2.11 ng	#	92

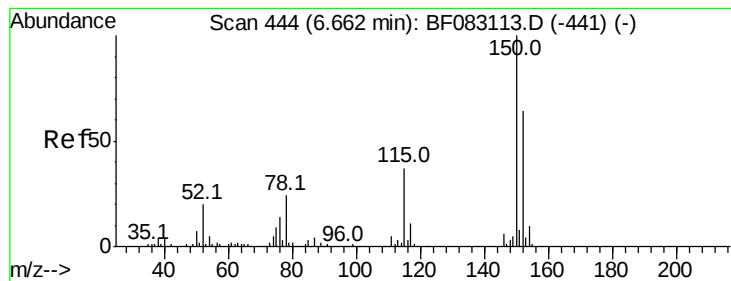
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 03:42:56 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Instrument :

BNA_F

ClientSampleId :

A17-COMP

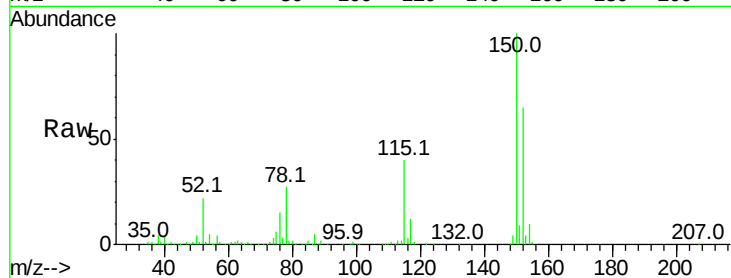
Tot Ion:152 Resp: 217881

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.8

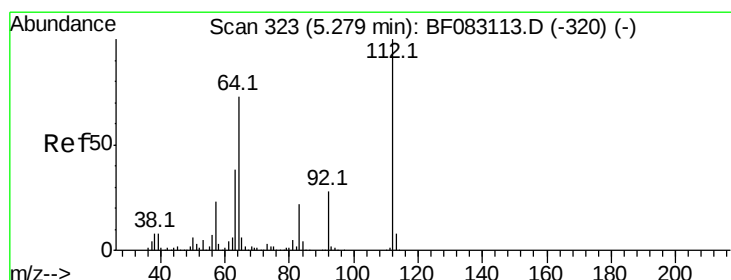
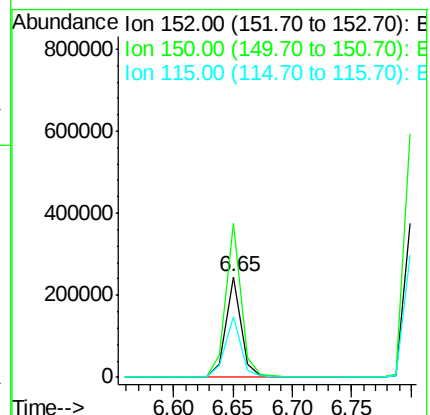
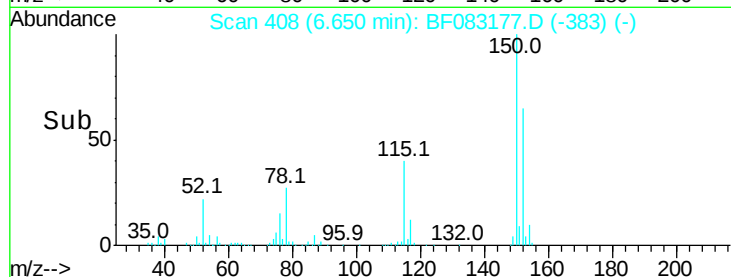
115 60.8 46.9 70.3



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: 138.20 ng

RT: 5.27 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

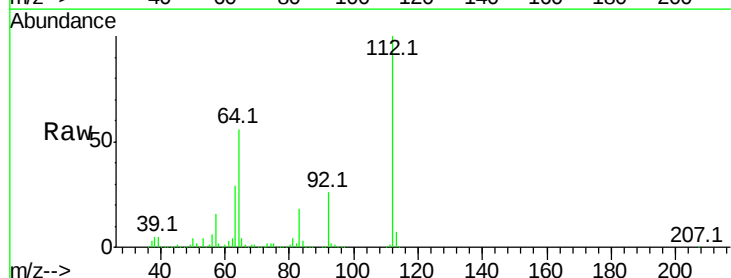
Tgt Ion:112 Resp: 1991712

Ion Ratio Lower Upper

112 100

64 56.5 58.4 87.6#

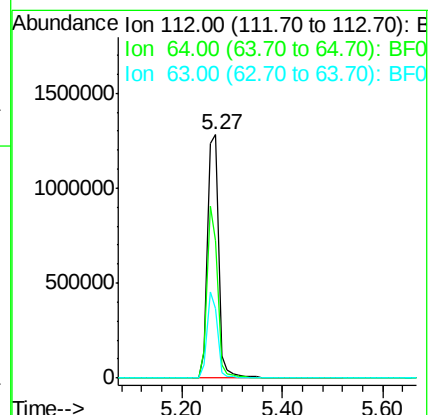
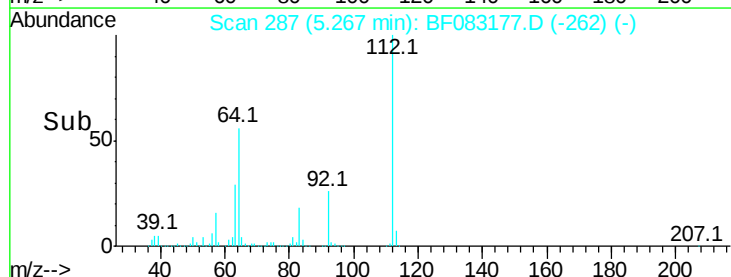
63 28.5 30.0 45.0#

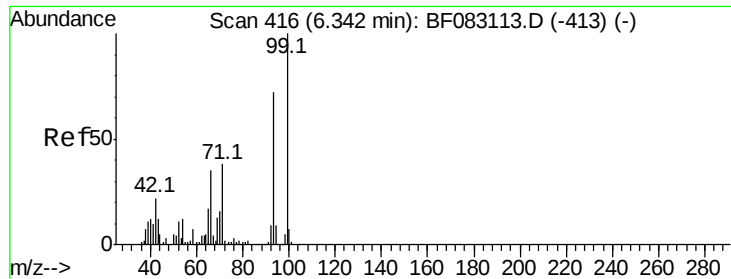


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.32 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Instrument :

BNA_F

ClientSampleId :

A17-COMP

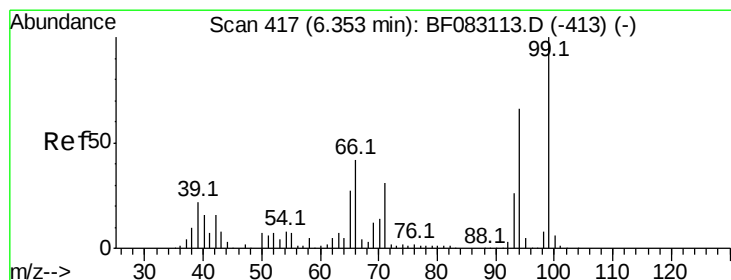
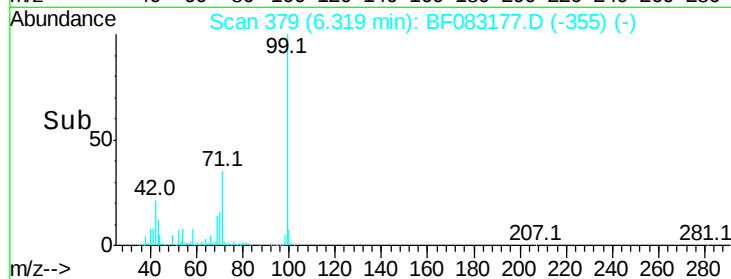
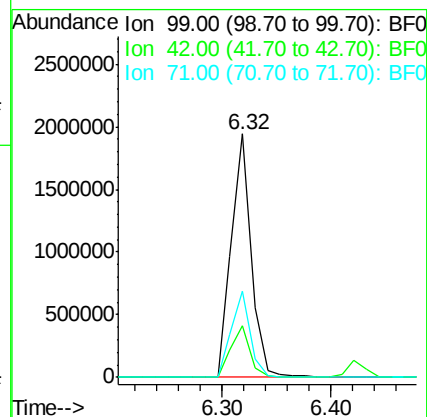
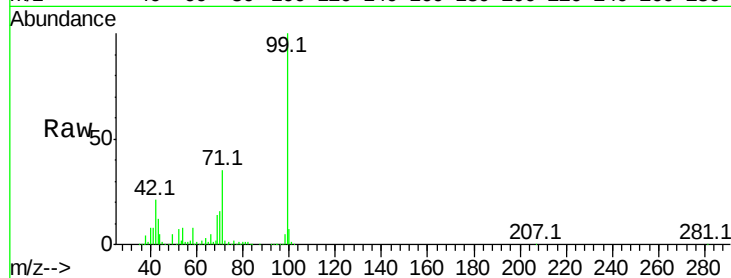
Tot Ion: 99 Resp: 2467265

Ion Ratio Lower Upper

99 100

42 21.3 17.7 26.5

71 35.4 30.2 45.4



#10

Phenol

Concen: 2.51 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

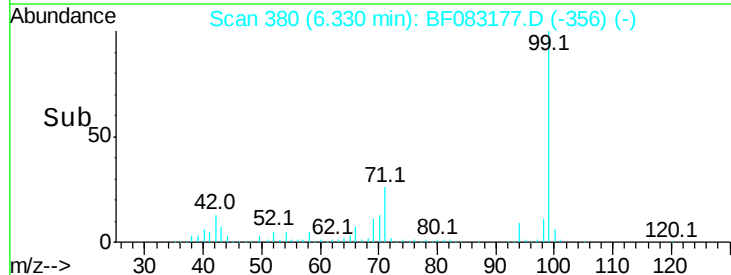
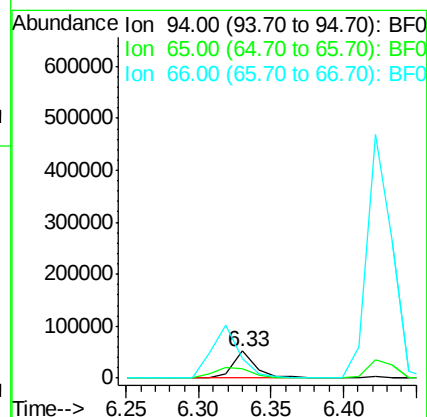
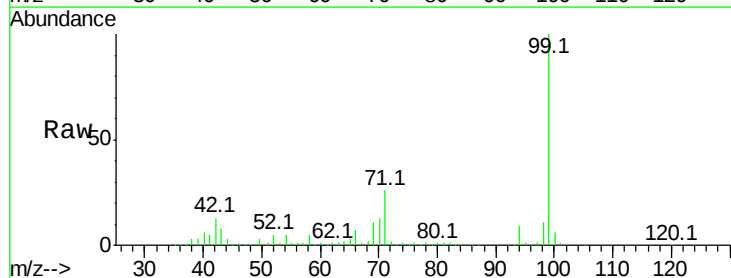
Tgt Ion: 94 Resp: 56686

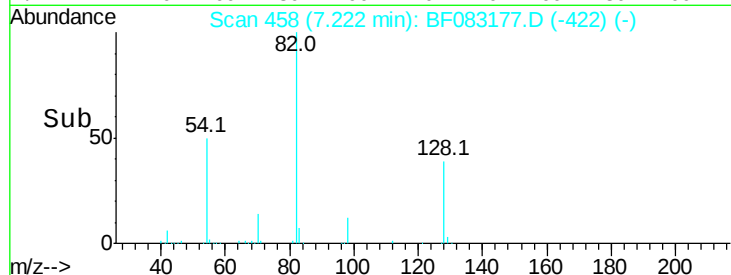
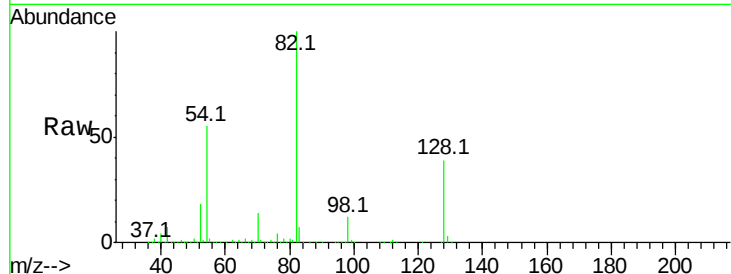
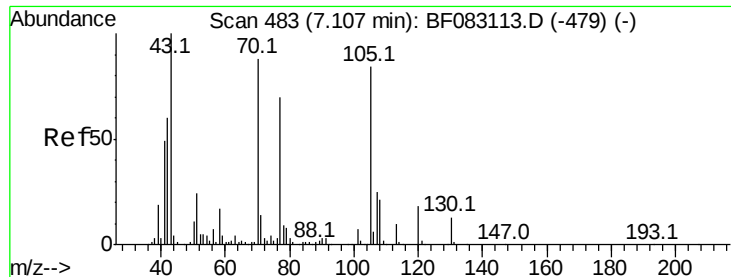
Ion Ratio Lower Upper

94 100

65 36.8 21.1 61.1

66 74.9 43.1 83.1

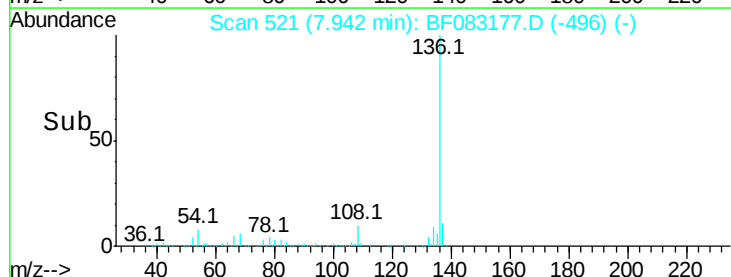
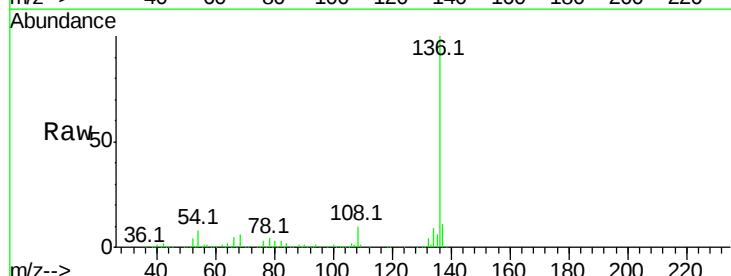
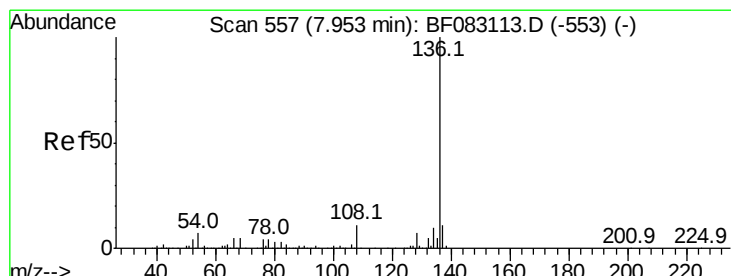
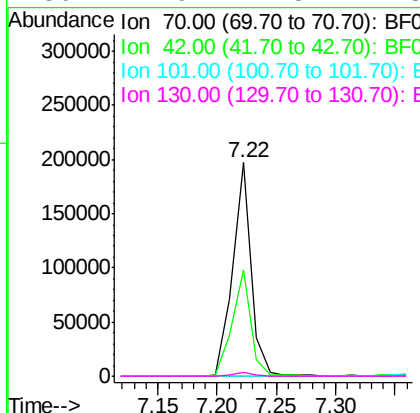




#19
n-Nitroso-di-n-propylamine
Concen: 16.49 ng
RT: 7.22 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

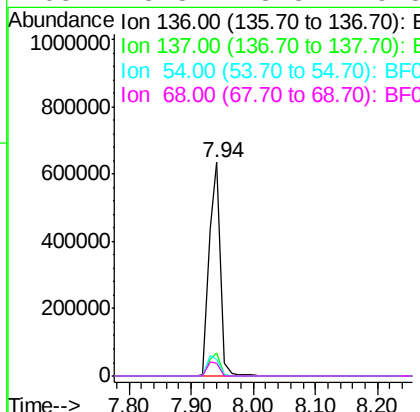
Instrument :
BNA_F
ClientSampleId :
A17-COMP

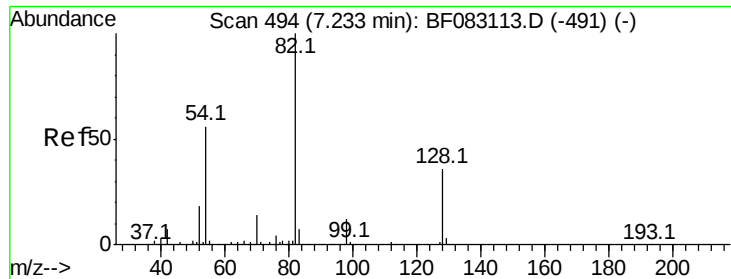
Tot Ion: 70 Resp: 213951
Ion Ratio Lower Upper
70 100
42 49.5 54.5 81.7#
101 0.0 6.6 9.8#
130 1.9 11.5 17.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

Tgt Ion: 136 Resp: 781364
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.7 5.8 8.6
68 5.8 3.8 5.8#



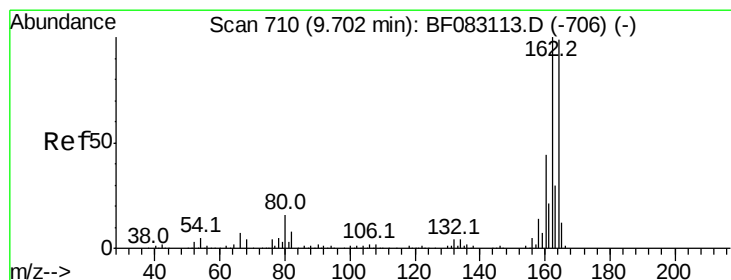
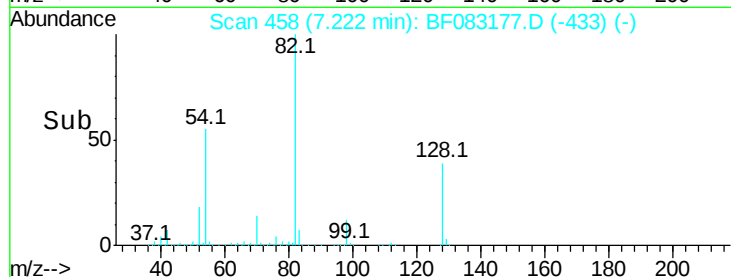
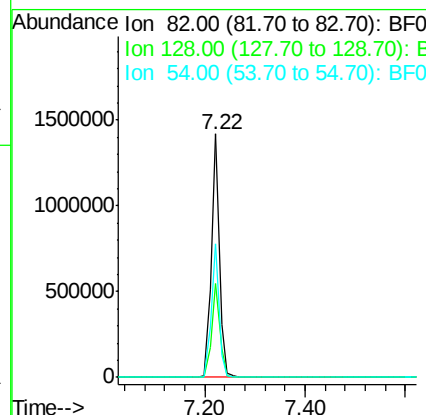
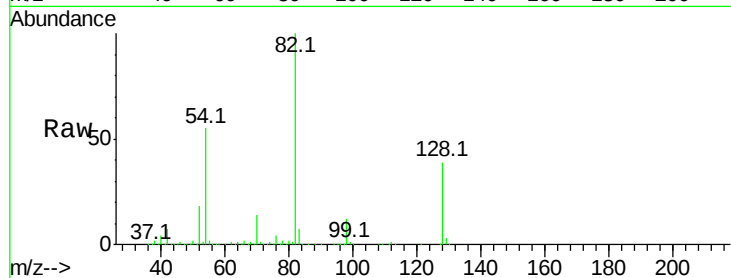


#23
 Nitrobenzene-d5
 Concen: 92.74 ng
 RT: 7.22 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF083177.D
 Acq: 23 Nov 2015 00:06

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Tot Ion: 82 Resp: 1585866

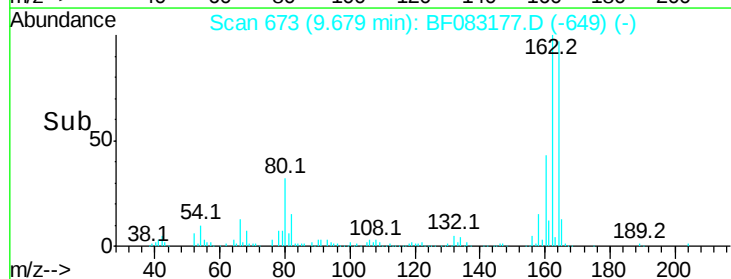
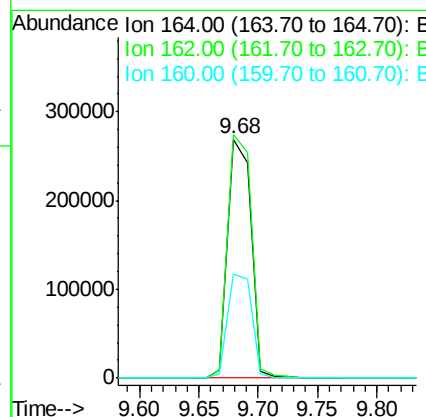
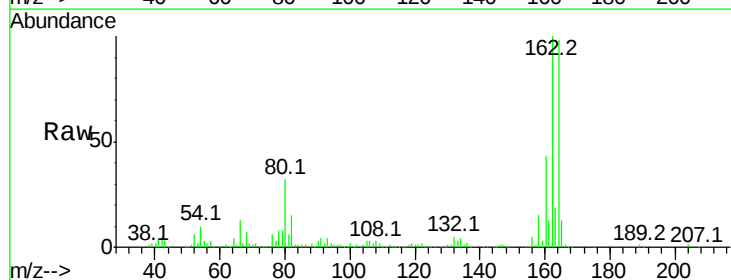
Ion	Ratio	Lower	Upper
82	100		
128	38.8	28.5	42.7
54	54.9	44.6	67.0

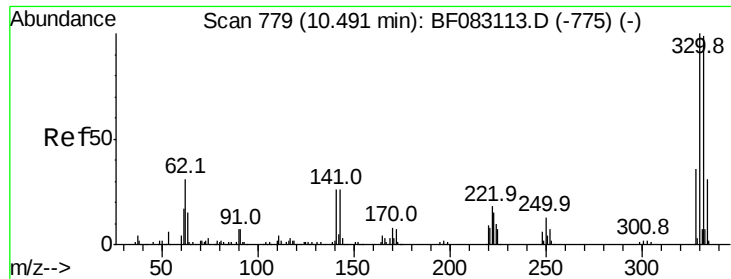


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083177.D
 Acq: 23 Nov 2015 00:06

Tgt Ion: 164 Resp: 367178

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.2	121.8
160	43.6	35.6	53.4

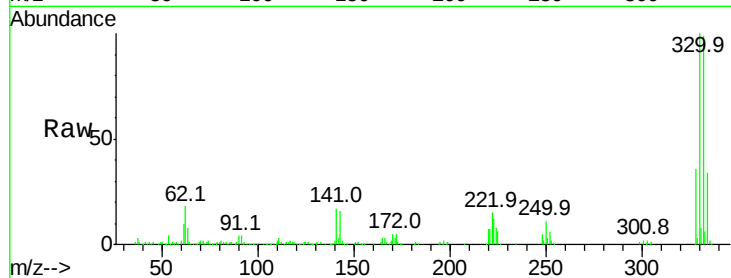




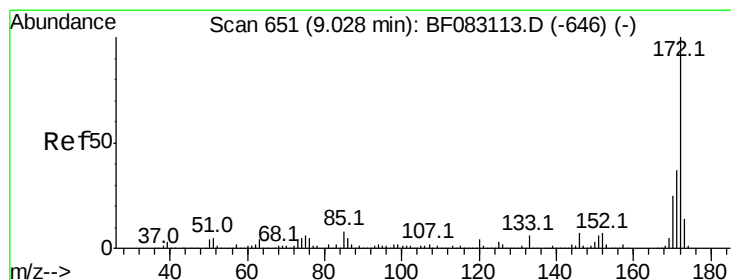
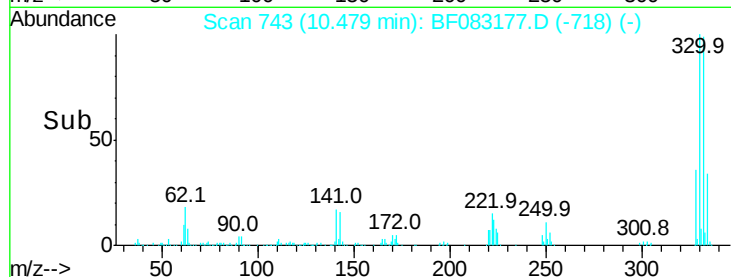
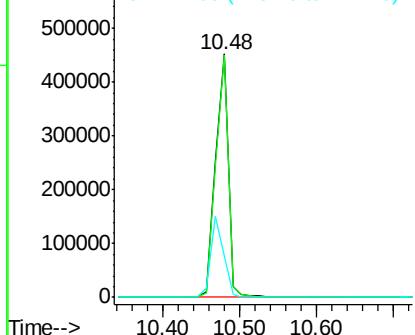
#41
 2,4,6-Tribromophenol
 Concen: 137.49 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083177.D
 Acq: 23 Nov 2015 00:06

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Tot Ion:330 Resp: 516461
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.7 116.5
 141 34.0 29.7 44.5

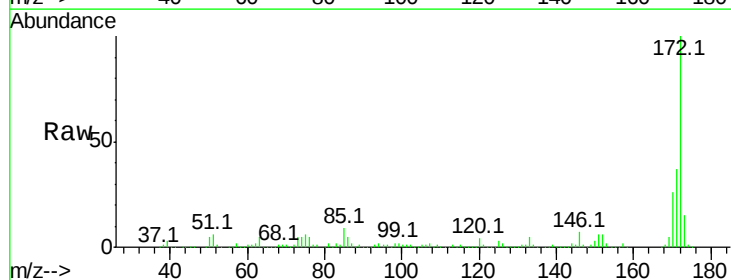


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

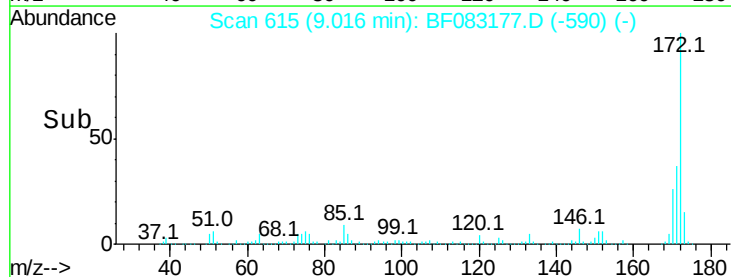
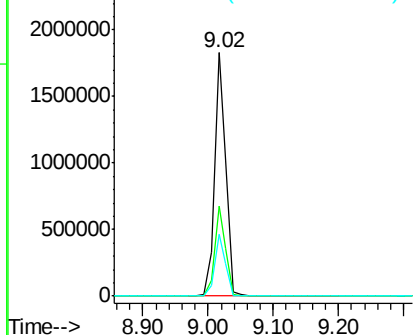


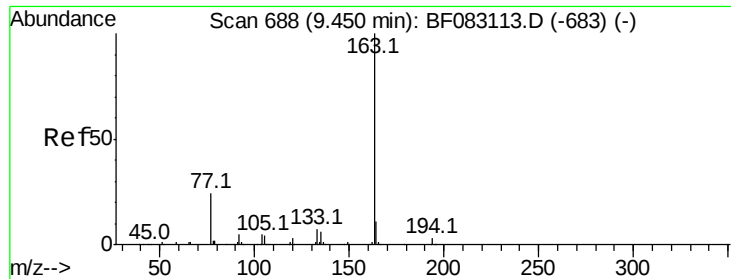
#44
 2-Fluorobiphenyl
 Concen: 84.98 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083177.D
 Acq: 23 Nov 2015 00:06

Tgt Ion:172 Resp: 2237584
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.5 44.3
 170 25.6 19.9 29.9



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





#49

Dimethylphthalate

Concen: 23.16 ng

RT: 9.42 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Instrument :

BNA_F

ClientSampleId :

A17-COMP

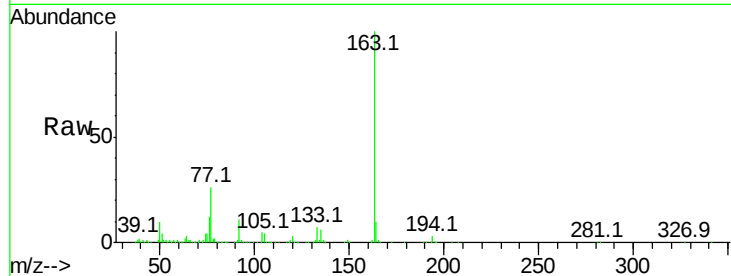
Tot Ion:163 Resp: 654581

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

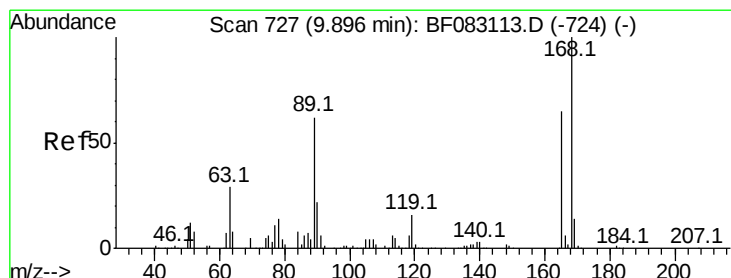
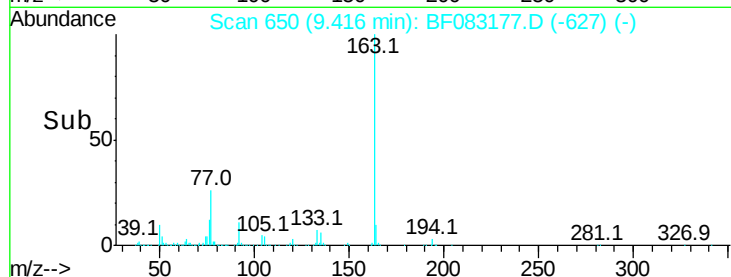
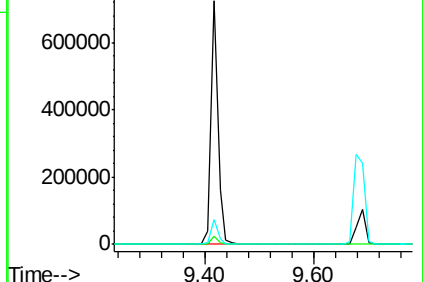
164 10.3 8.6 12.8



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



#56

2,4-Dinitrotoluene

Concen: 5.95 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.22 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Tgt Ion:165 Resp: 47815

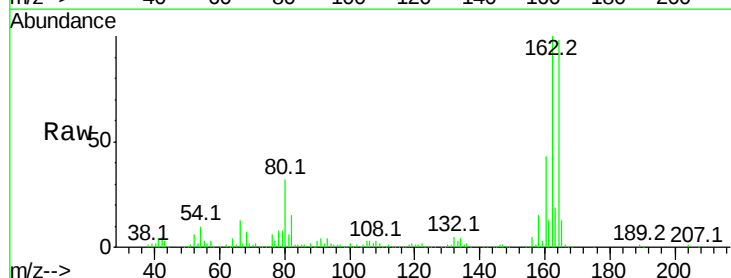
Ion Ratio Lower Upper

165 100

63 2.7 54.5 81.7#

89 1.5 77.3 115.9#

182 0.0 1.8 2.6#

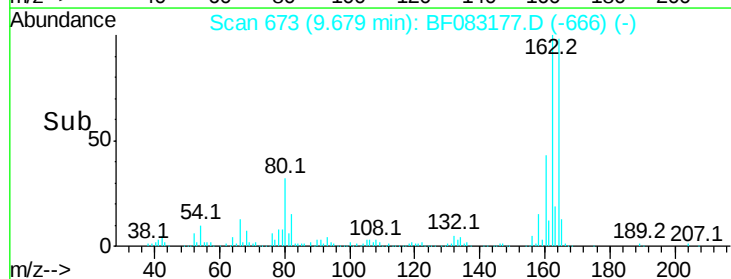
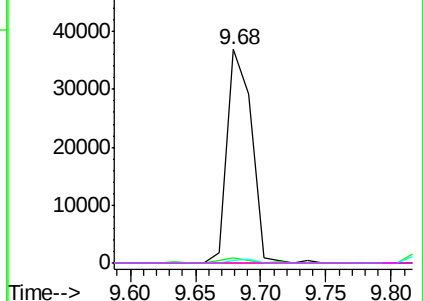


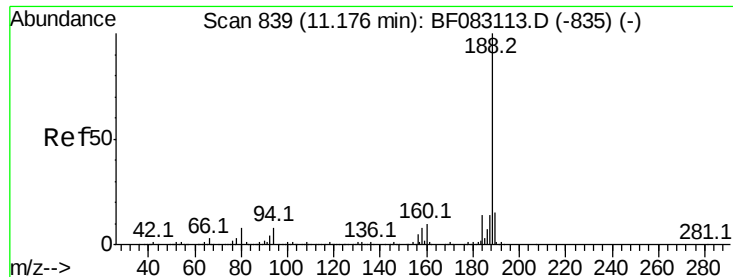
Abundance Ion 165.00 (164.70 to 165.70): E

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

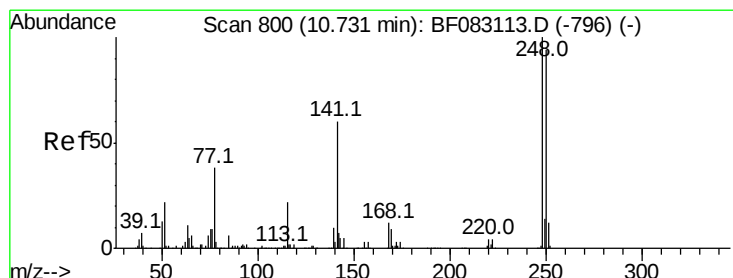
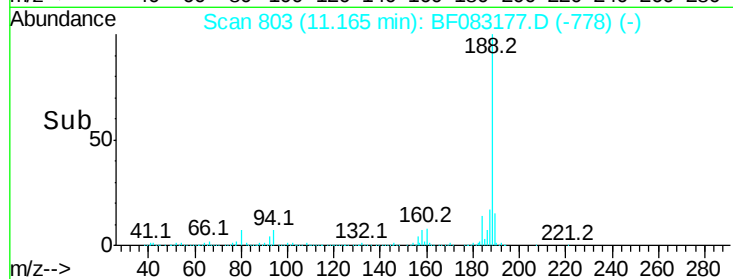
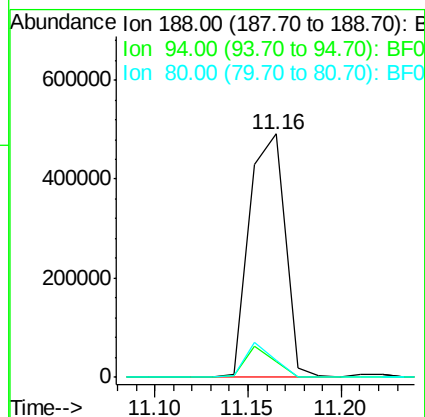
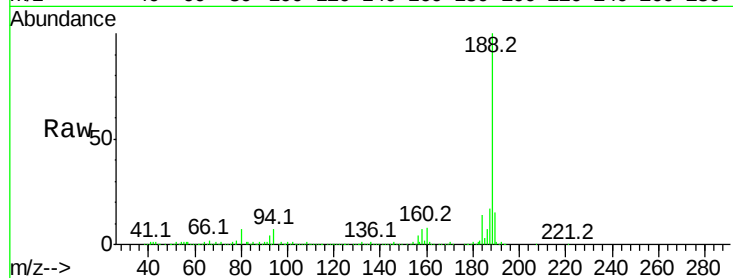




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

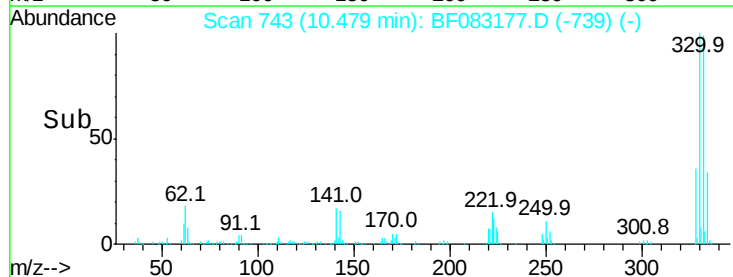
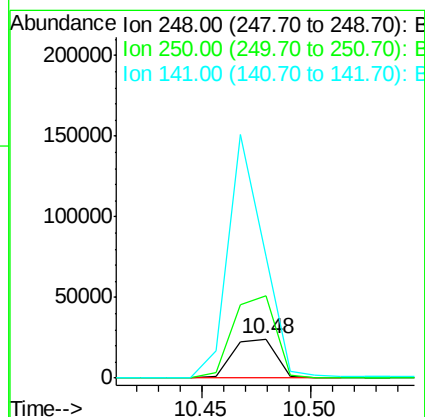
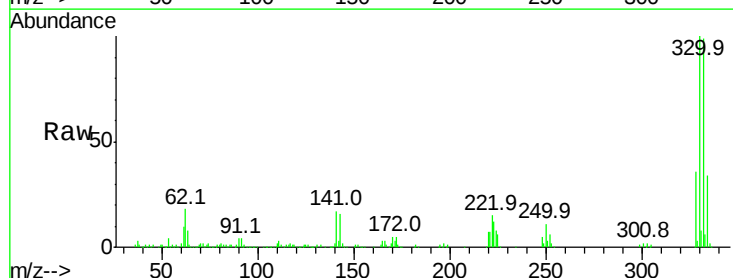
Instrument :
BNA_F
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A17-COMP

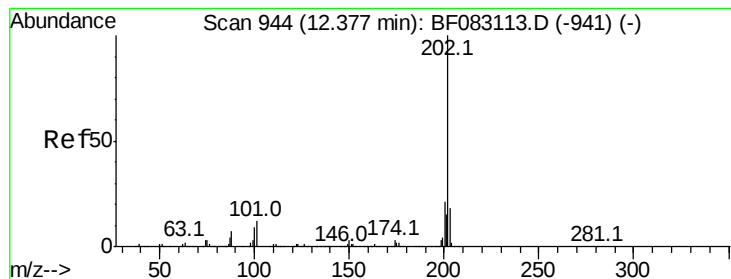
Tot Ion:188 Resp: 652081
Ion Ratio Lower Upper
188 100
94 6.7 6.0 9.0
80 7.1 6.7 10.1



#66
4-Bromophenyl-phenylether
Concen: 4.64 ng
RT: 10.48 min Scan# 743
Delta R.T. -0.25 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

Tgt Ion:248 Resp: 33540
Ion Ratio Lower Upper
248 100
250 211.9 75.4 113.2#
141 313.6 48.1 72.1#





#74

Fluoranthene

Concen: 3.56 ng

RT: 12.37 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Instrument :

BNA_F

ClientSampleId :

A17-COMP

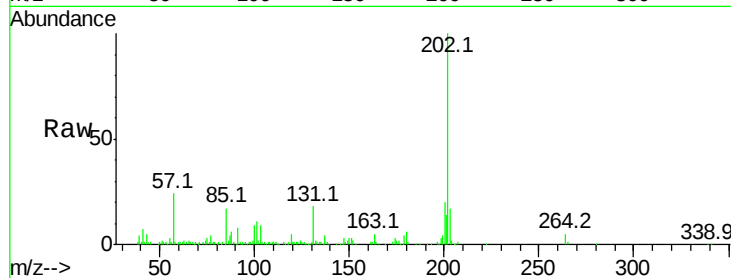
Tot Ion:202 Resp: 136947

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.3

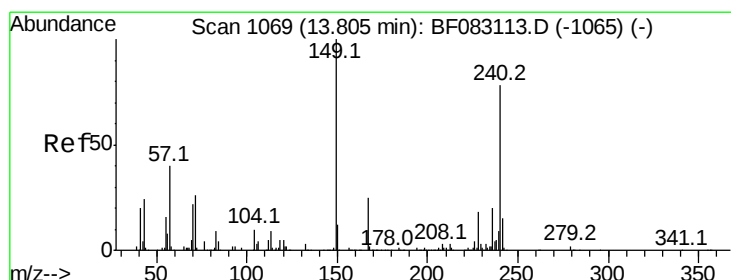
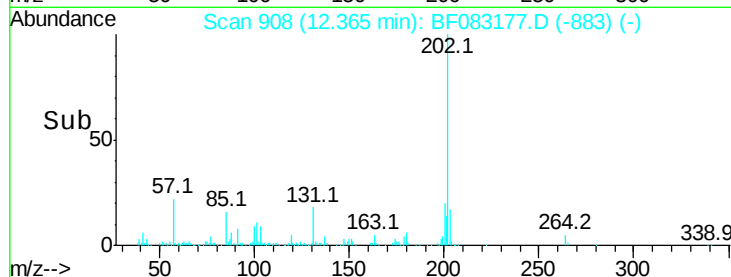
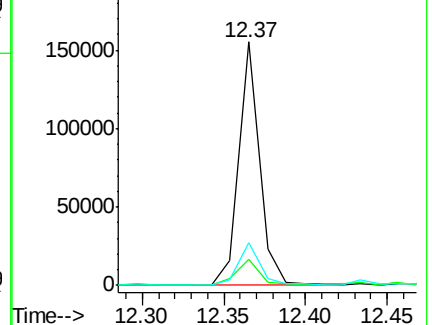
203 17.3 0.0 38.4



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: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

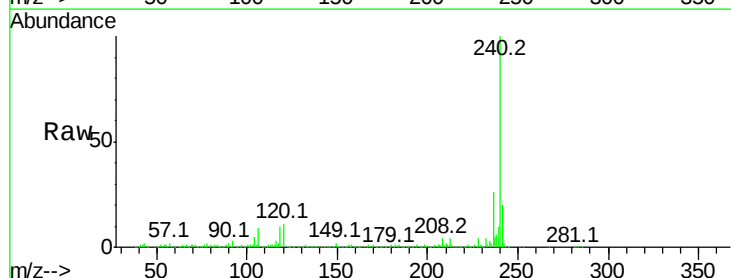
Tgt Ion:240 Resp: 491609

Ion Ratio Lower Upper

240 100

120 11.4 5.4 8.2#

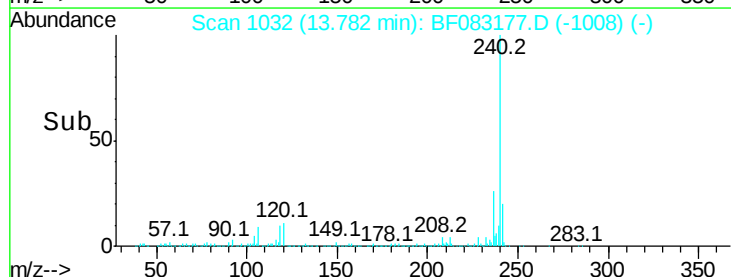
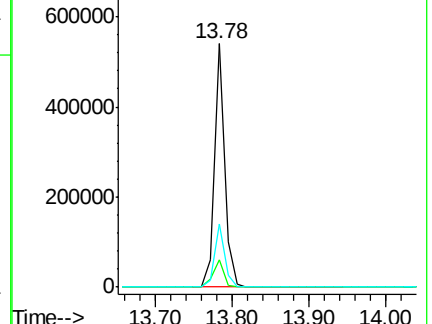
236 26.0 20.6 31.0

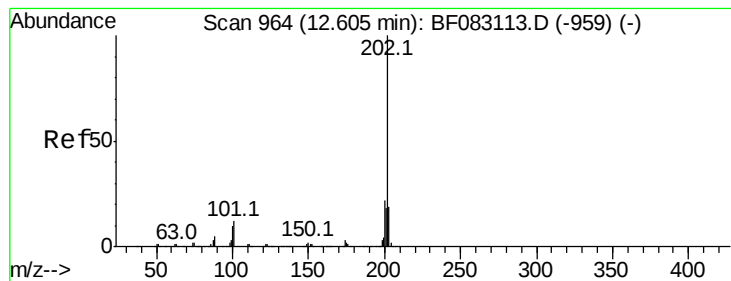


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.42 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Instrument :

BNA_F

ClientSampleId :

A17-COMP

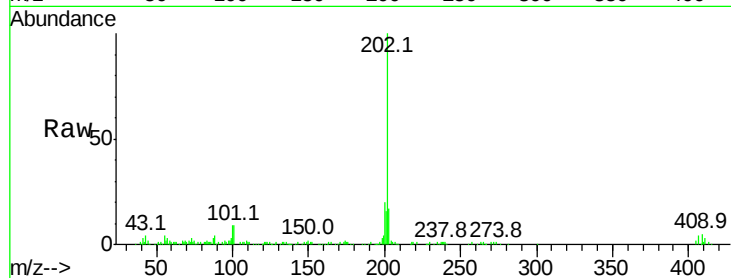
Tot Ion:202 Resp: 114757

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

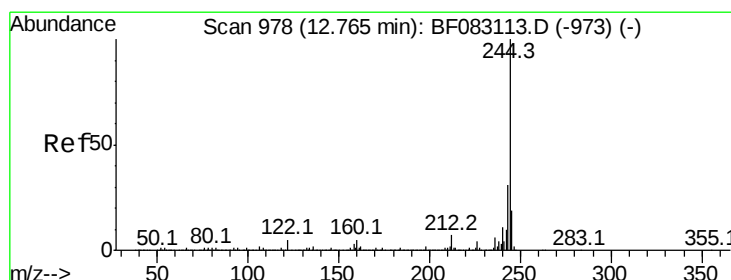
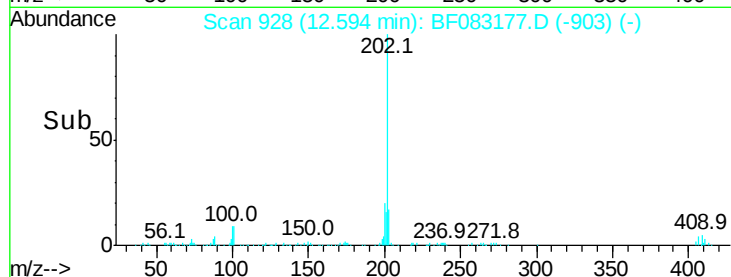
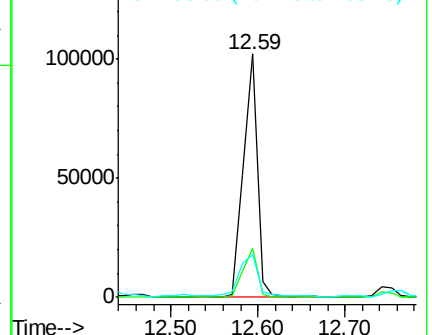
203 17.3 15.0 22.4



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: 87.28 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

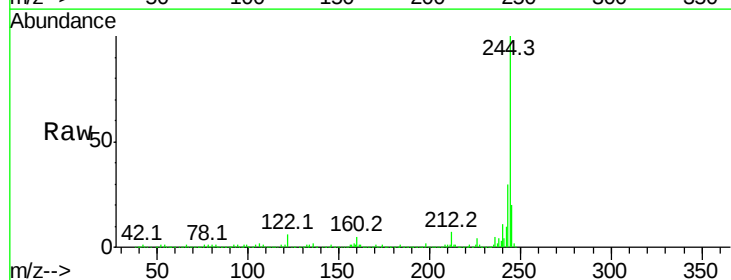
Tgt Ion:244 Resp: 1822131

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

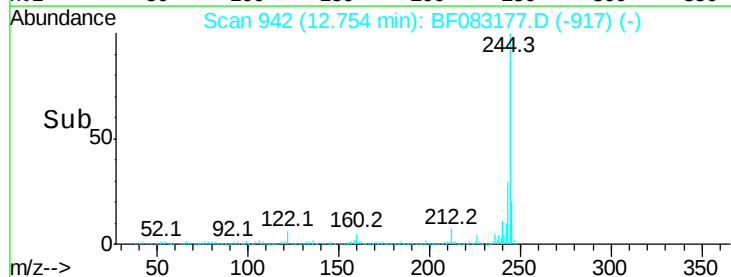
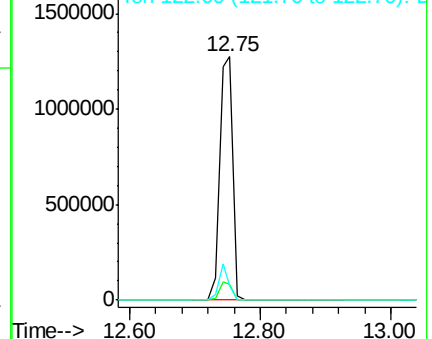
122 6.2 4.3 6.5

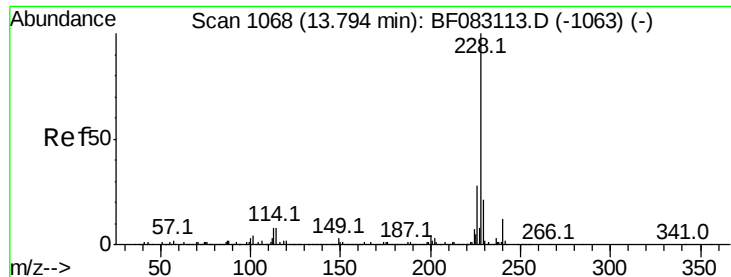


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

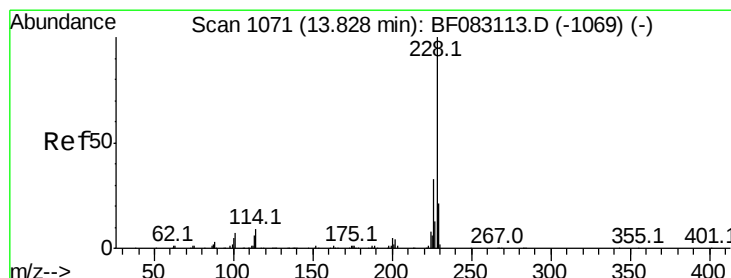
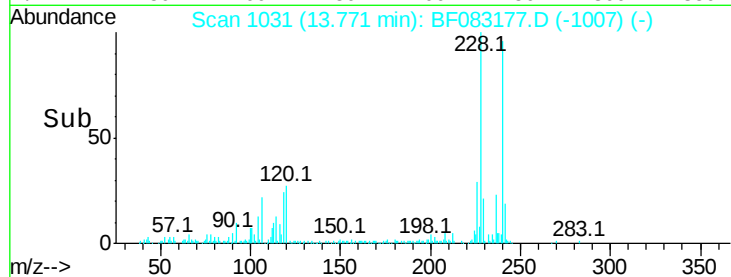
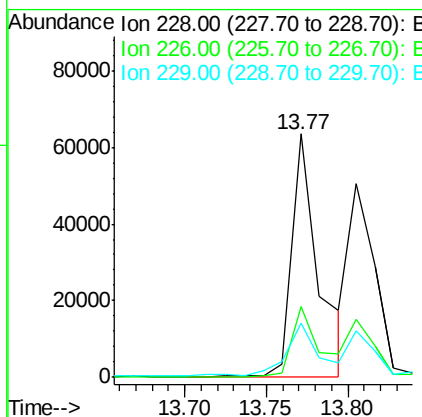
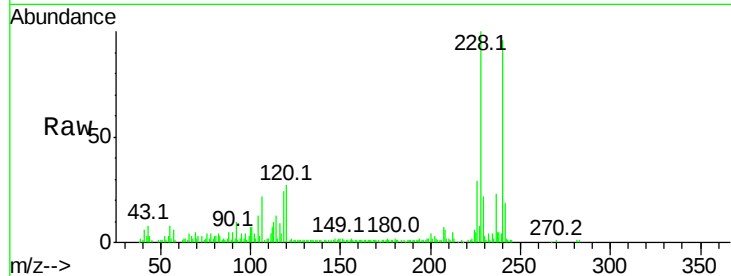




#80
Benzo(a)anthracene
Concen: 2.40 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

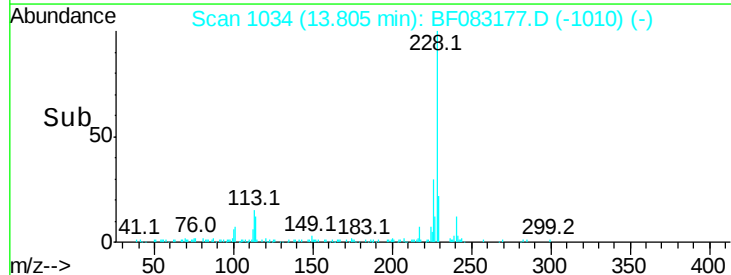
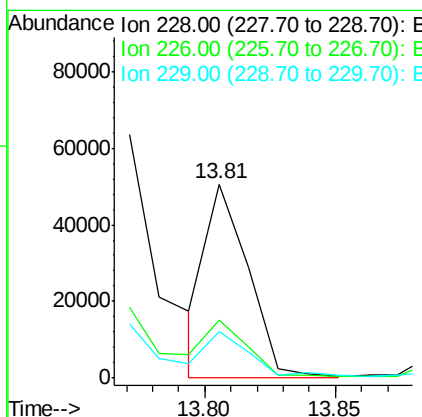
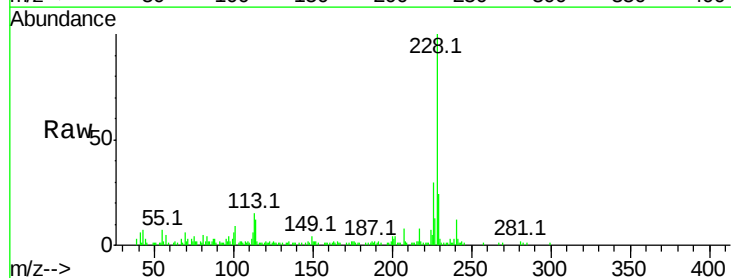
Instrument :
BNA_F
ClientSampleId :
A17-COMP

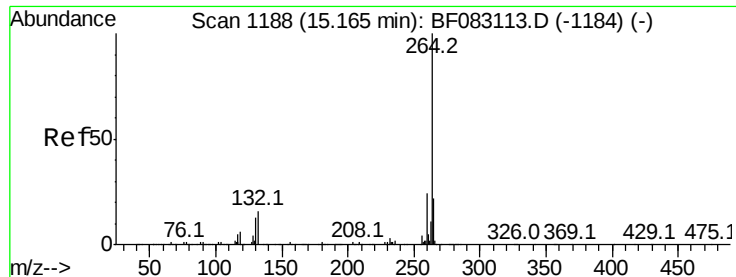
Tot Ion:228 Resp: 73111
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 22.1 16.6 24.8



#82
Chrysene
Concen: 2.02 ng
RT: 13.81 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

Tgt Ion:228 Resp: 56834
Ion Ratio Lower Upper
228 100
226 30.1 25.5 38.3
229 23.7 16.6 25.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

Instrument :

BNA_F

ClientSampleId :

A17-COMP

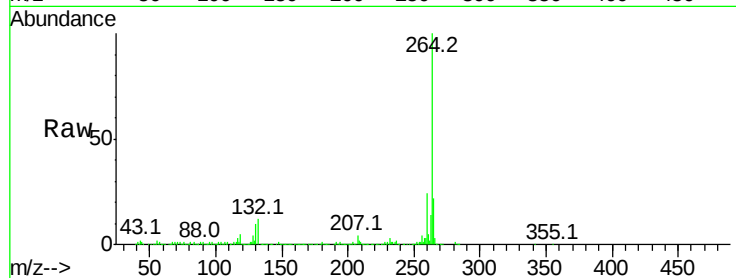
Tot Ion:264 Resp: 443029

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

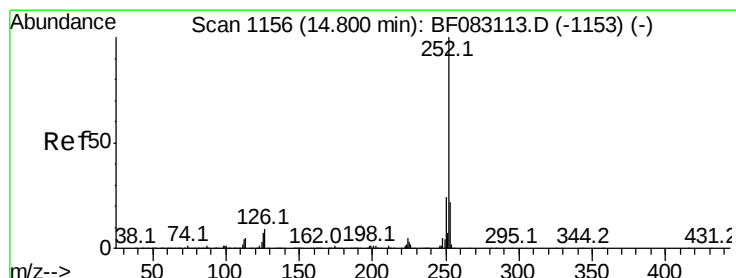
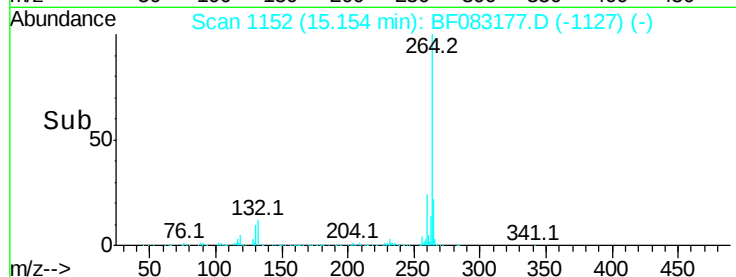
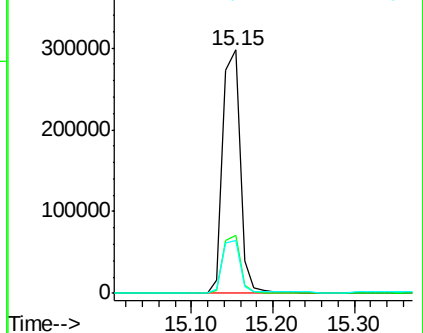
265 21.9 18.2 27.4



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: 3.86 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083177.D

Acq: 23 Nov 2015 00:06

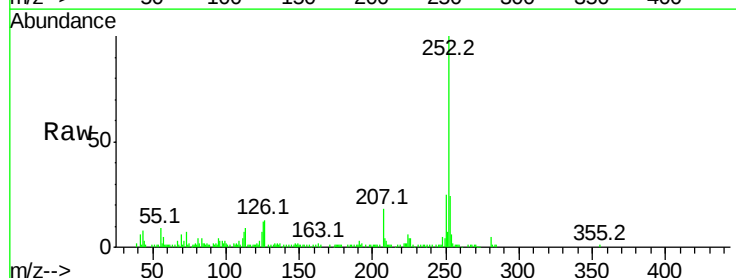
Tgt Ion:252 Resp: 116865

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

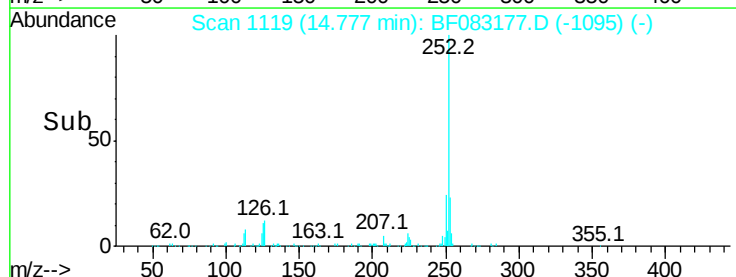
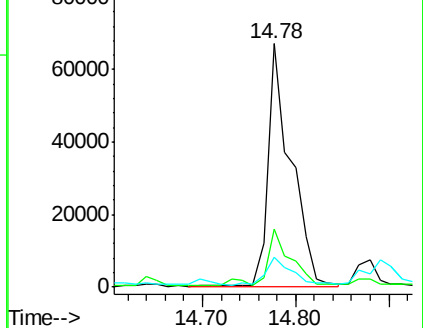
125 12.2 5.6 8.4#

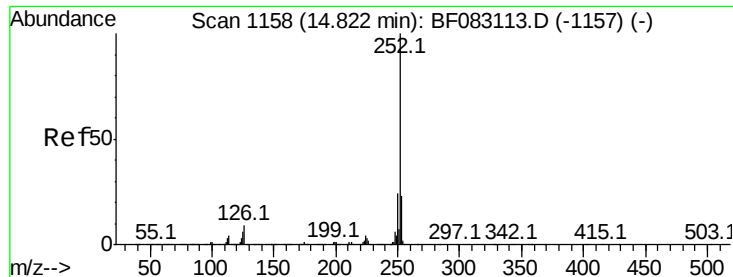


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

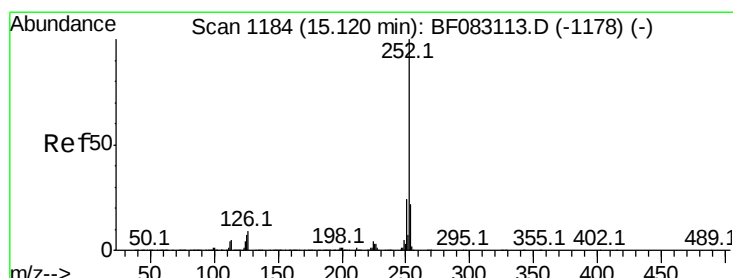
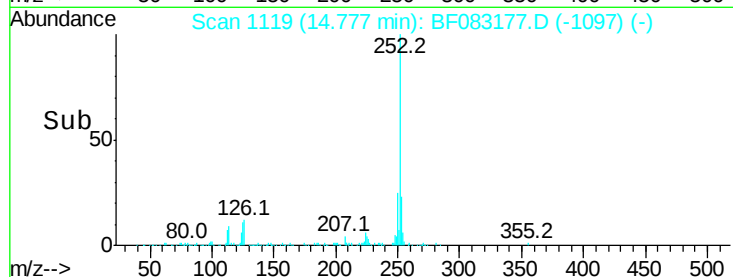
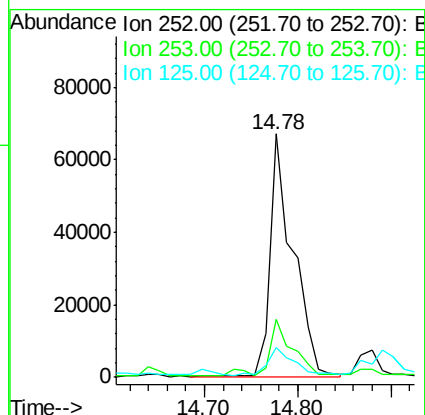
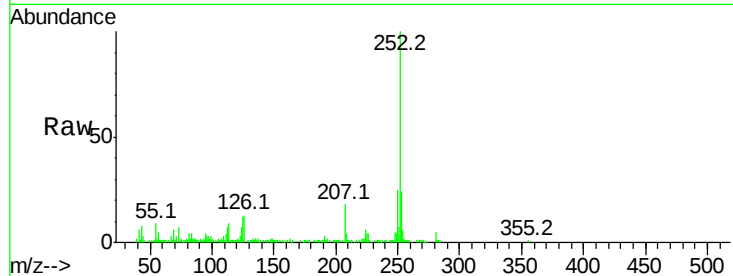




#88
Benzo(k)fluoranthene
Concen: 5.18 ng
RT: 14.78 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	12.2	6.8	10.2



#89
Benzo(a)pyrene
Concen: 2.11 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF083177.D
Acq: 23 Nov 2015 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	11.7	5.4	8.0

