

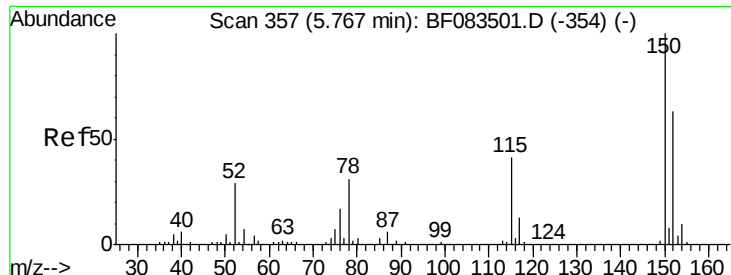
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083531.D
 Acq On : 6 Dec 2015 19:54
 Operator : UM/IZ
 Sample : G4614-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S17-15.5

Quant Time: Dec 07 05:03:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	196485	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	771916	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	395182	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	730236	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	635204	20.00	ng	-0.03
86) Perylene-d12	18.65	264	469075	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1698546	131.15	ng	-0.01
7) Phenol-d6	5.30	99	2285811	128.10	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1545704	93.60	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	486142	133.36	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2186990	75.06	ng	-0.05
78) Terphenyl-d14	15.46	244	1955172	68.49	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.57	70	202742	17.03	ng	Qvalue # 78
49) Dimethylphthalate	10.06	163	857396	27.57	ng	99
64) 4,6-Dinitro-2-methylphenol	11.71	198	1160	3.70	ng	# 1
70) Phenanthrene	12.85	178	186755	4.39	ng	99
71) Anthracene	12.85	178	186755	4.31	ng	100
74) Fluoranthene	14.79	202	383861	9.11	ng	99
77) Pyrene	15.14	202	358841	7.55	ng	96
80) Benzo(a)anthracene	17.00	228	158560	4.27	ng	98
82) Chrysene	17.06	228	142049	3.84	ng	96
87) Benzo(b)fluoranthene	18.28	252	175044	6.64	ng	98
89) Benzo(a)pyrene	18.60	252	92183	3.60	ng	97

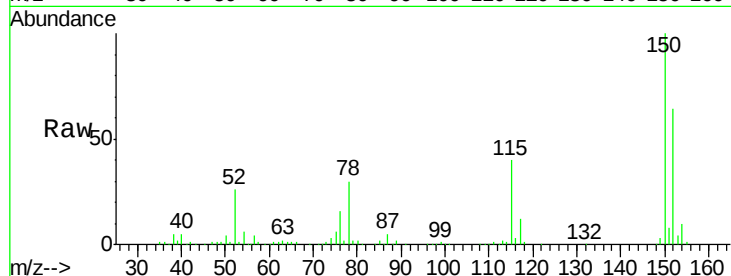
(#) = qualifier out of range (m) = manual integration (+) = signals summed



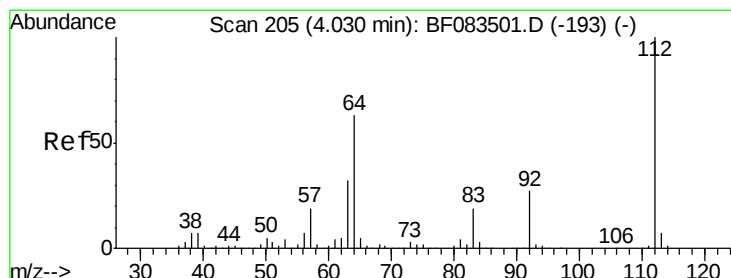
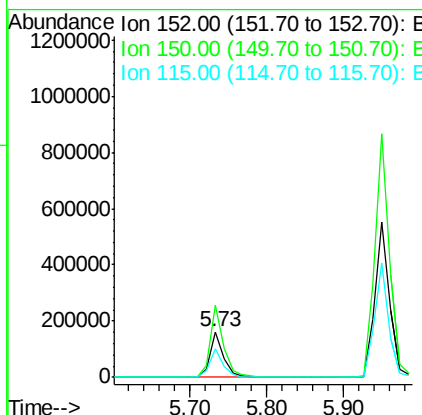
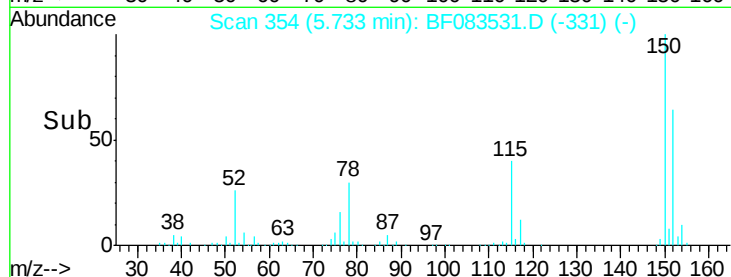
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.73 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Instrument :
 BNA_G
 ClientSampleId :
 S17-15.5

Tgt Ion:152 Resp: 196485
 Ion Ratio Lower Upper
 152 100
 150 156.5 126.5 189.7
 115 63.4 52.3 78.5

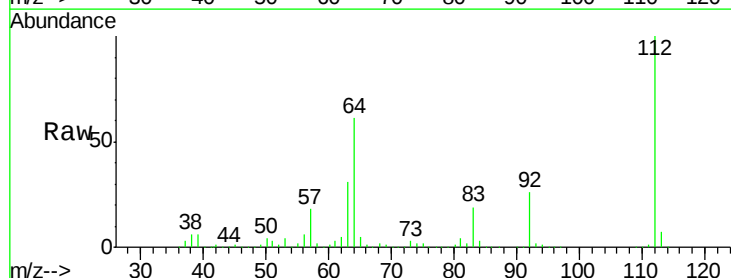


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

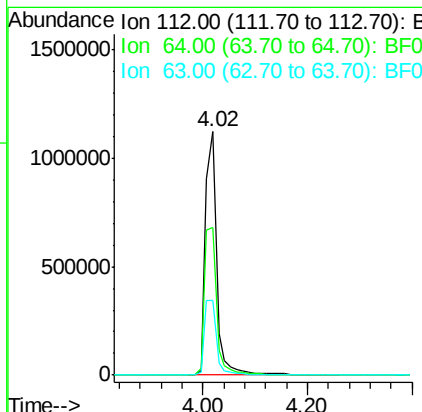
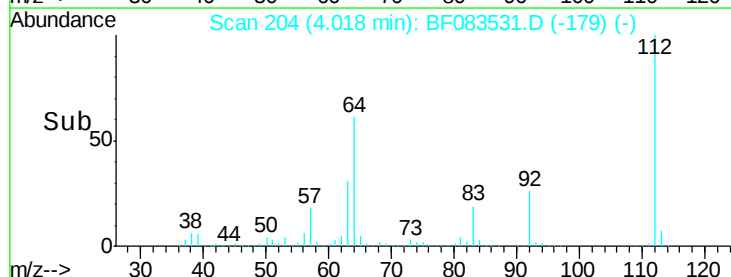


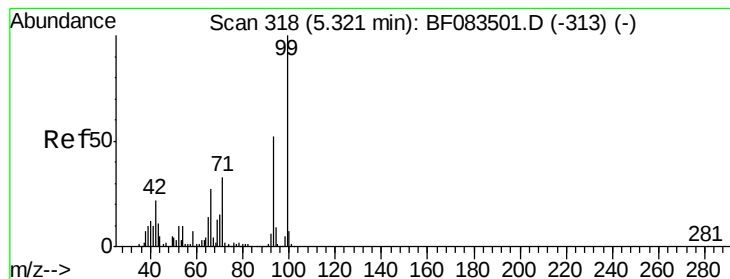
#5
 2-Fluorophenol
 Concen: 131.15 ng
 RT: 4.02 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion:112 Resp: 1698546
 Ion Ratio Lower Upper
 112 100
 64 60.8 50.5 75.7
 63 30.6 25.8 38.6



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: 128.10 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Instrument :

BNA_G

ClientSampleId :

S17-15.5

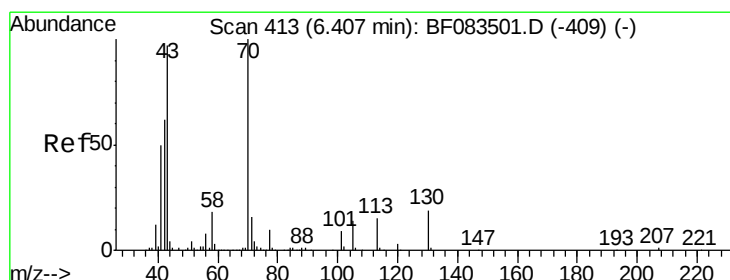
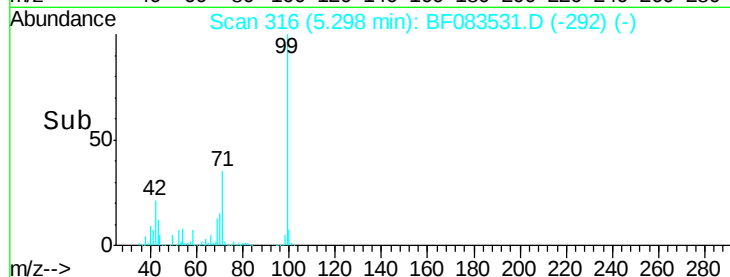
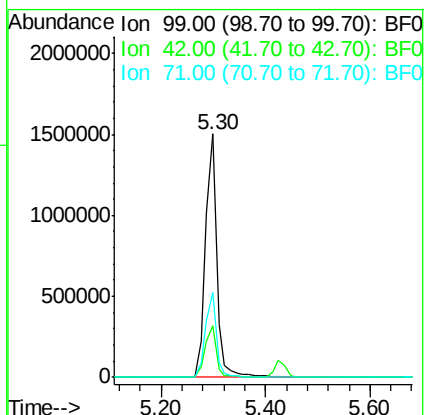
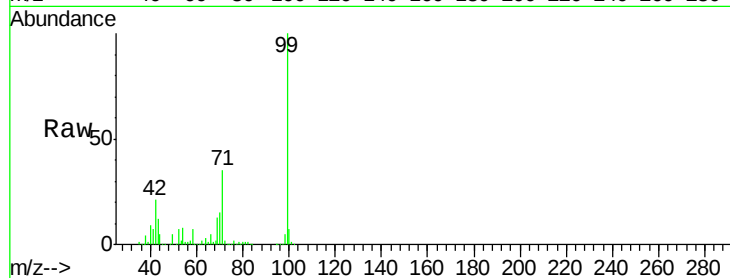
Tgt Ion: 99 Resp: 2285811

Ion Ratio Lower Upper

99 100

42 21.4 17.3 25.9

71 34.6 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.03 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.16 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Tgt Ion: 70 Resp: 202742

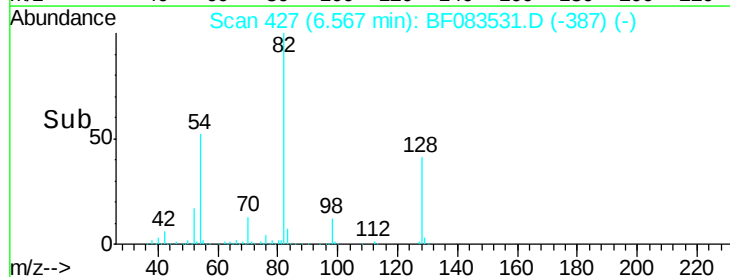
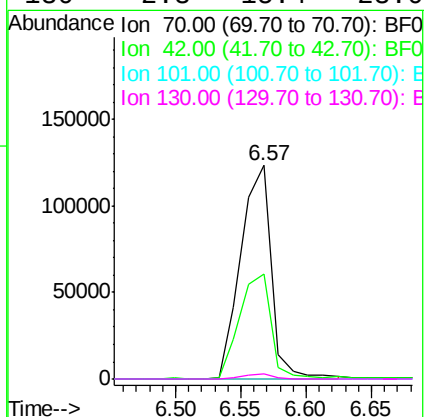
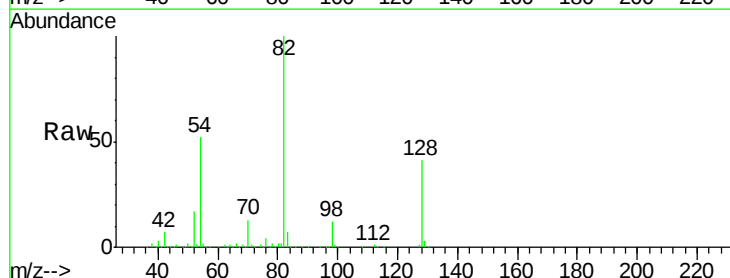
Ion Ratio Lower Upper

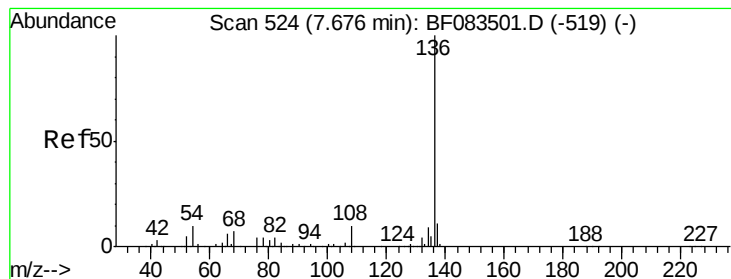
70 100

42 49.2 49.2 73.8#

101 0.0 7.1 10.7#

130 2.3 15.4 23.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Instrument :

BNA_G

ClientSampleId :

S17-15.5

Tgt Ion:136 Resp: 771916

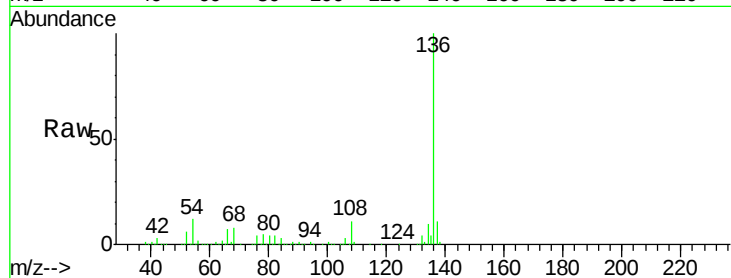
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 11.6 7.8 11.6

68 8.1 5.7 8.5

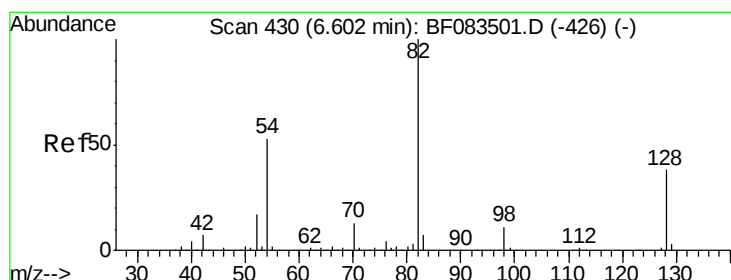
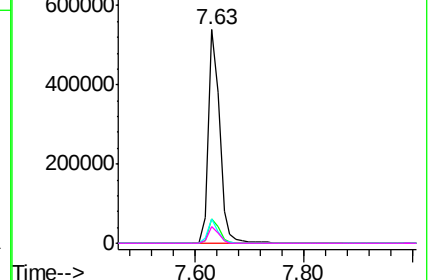
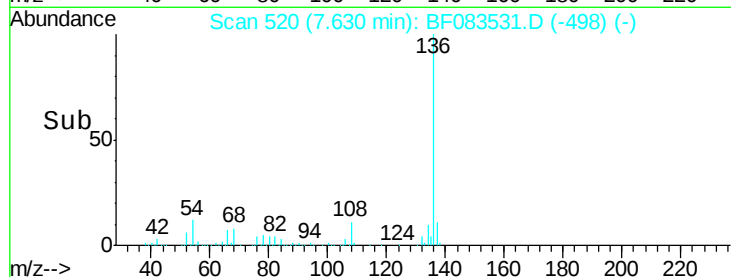


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.60 ng

RT: 6.57 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

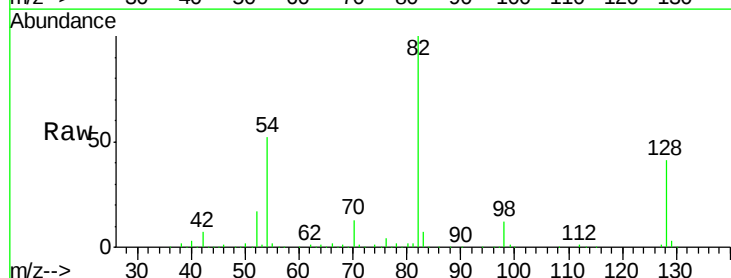
Tgt Ion: 82 Resp: 1545704

Ion Ratio Lower Upper

82 100

128 41.3 30.7 46.1

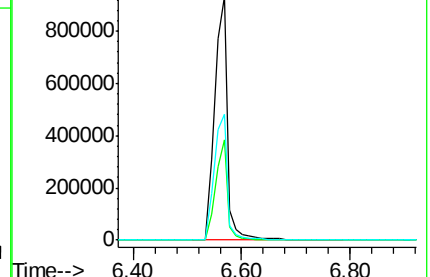
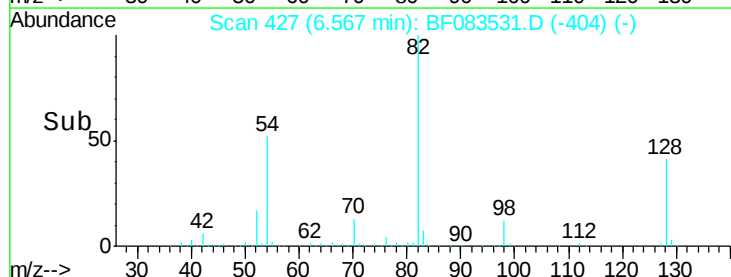
54 51.6 42.5 63.7

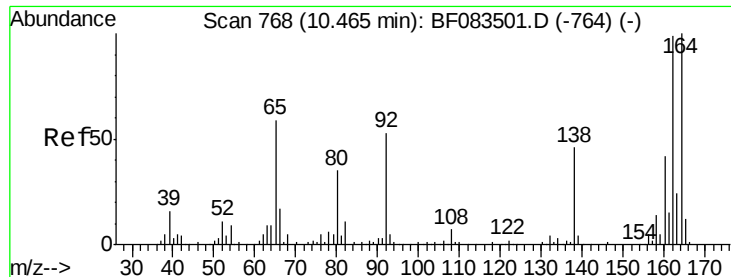


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

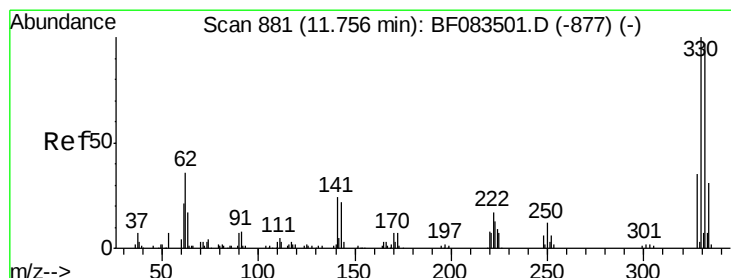
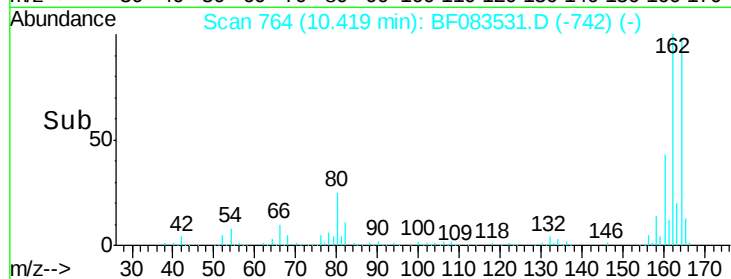
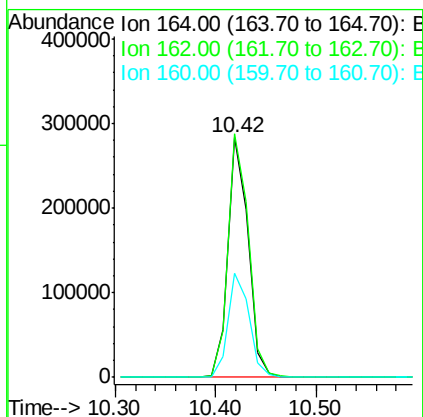
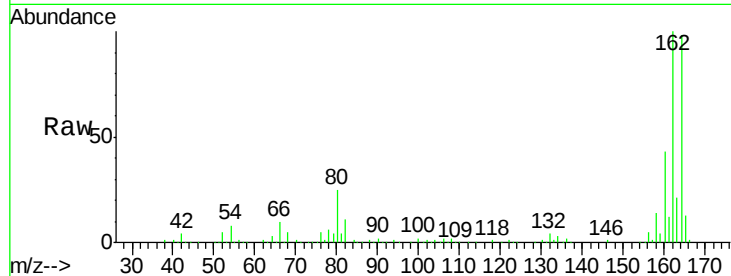




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

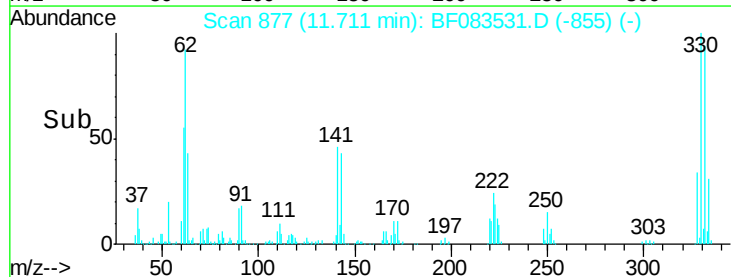
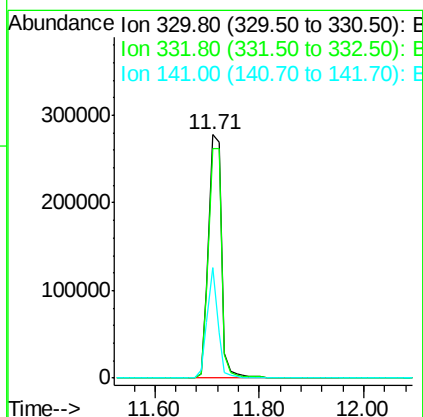
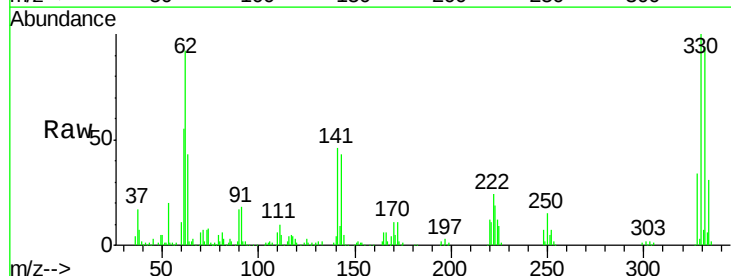
Instrument :
 BNA_G
 ClientSampleId :
 S17-15.5

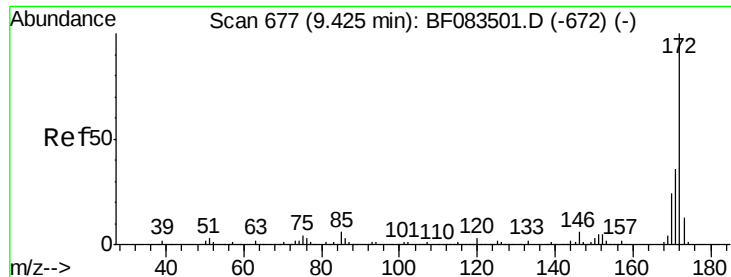
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	43.6	33.4	50.2



#41
 2,4,6-Tribromophenol
 Concen: 133.36 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	37.4	0.0	0.0#

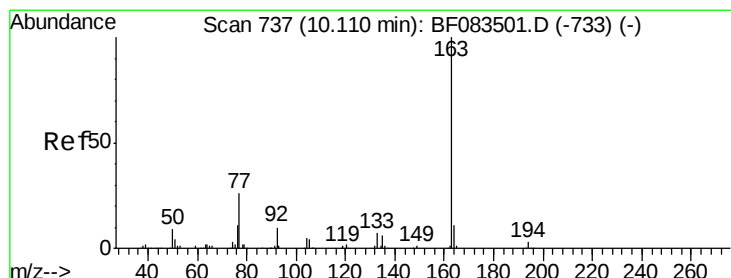
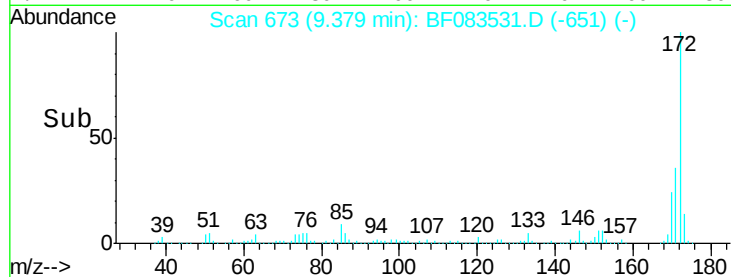
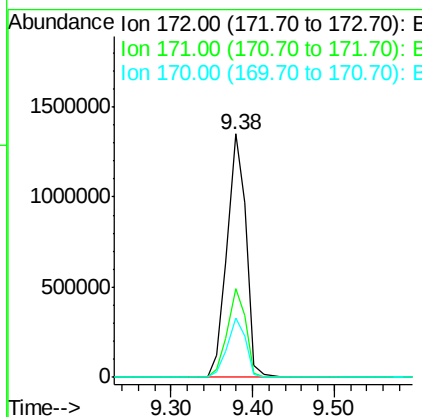
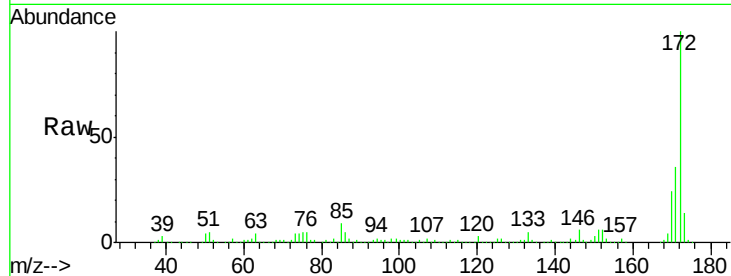




#44
 2-Fluorobiphenyl
 Concen: 75.06 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

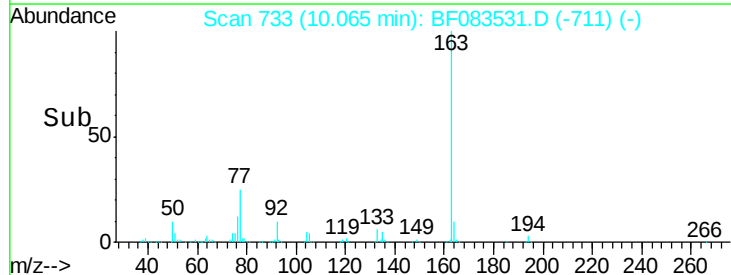
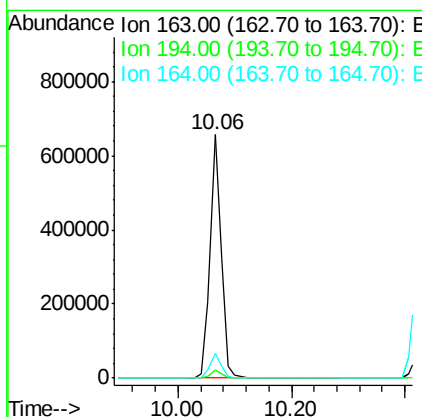
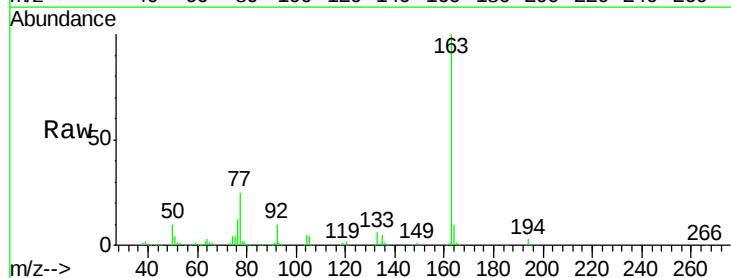
Instrument :
 BNA_G
 ClientSampleId :
 S17-15.5

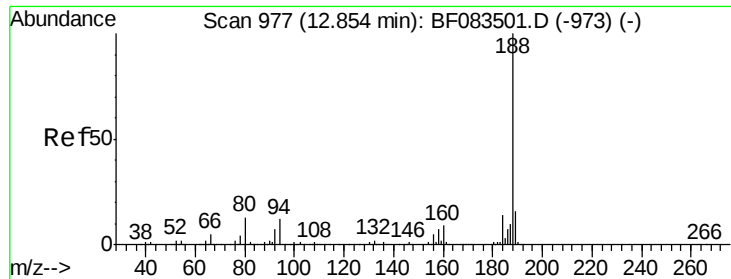
Tgt Ion:172 Resp: 2186990
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 42.8
 170 24.3 19.4 29.0



#49
 Dimethylphthalate
 Concen: 27.57 ng
 RT: 10.06 min Scan# 733
 Delta R.T. -0.05 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion:163 Resp: 857396
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 10.4 8.6 13.0

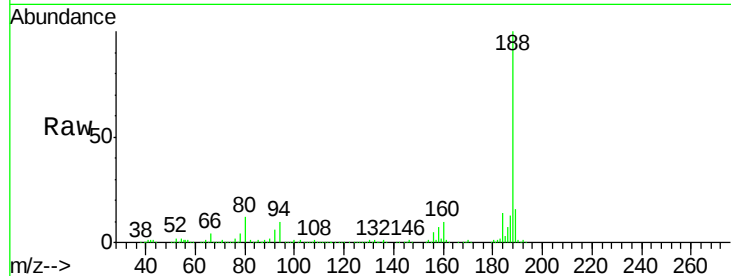




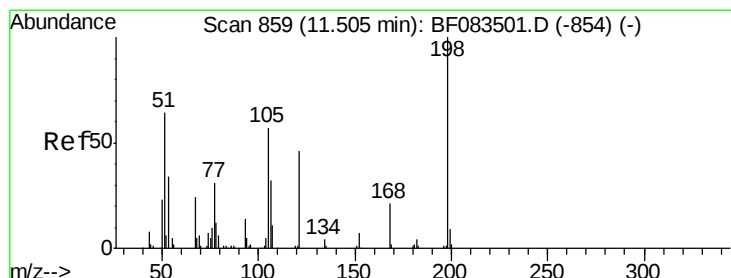
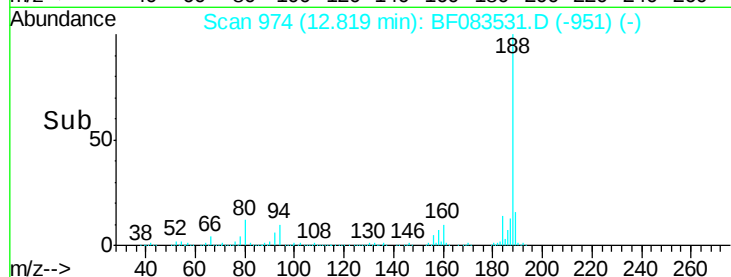
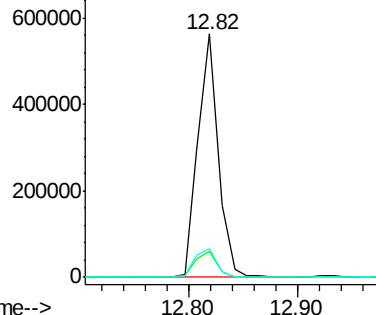
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Instrument :
BNA_G
ClientSampleId :
S17-15.5

Tgt Ion:188 Resp: 730236
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.6 10.6 16.0

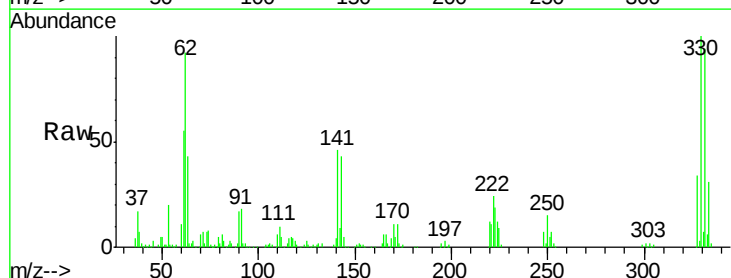


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

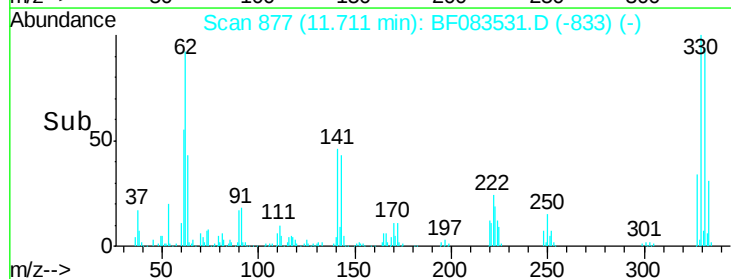
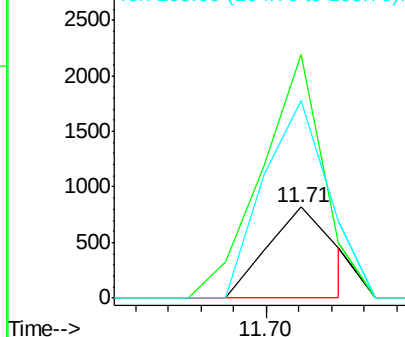


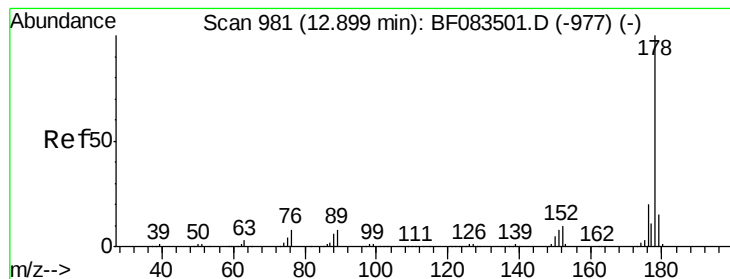
#64
4,6-Dinitro-2-methylphenol
Concen: 3.70 ng
RT: 11.71 min Scan# 877
Delta R.T. 0.21 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion:198 Resp: 1160
Ion Ratio Lower Upper
198 100
51 267.7 53.8 93.8#
105 216.7 38.6 78.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 4.39 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Instrument :

BNA_G

ClientSampleId :

S17-15.5

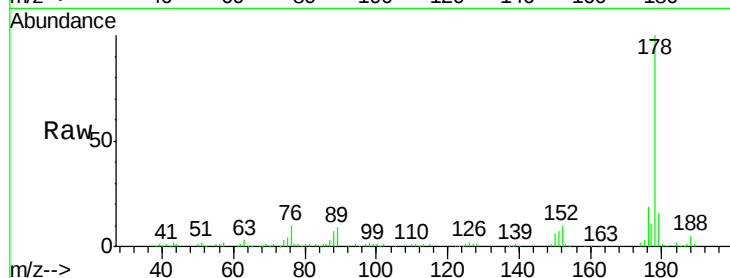
Tgt Ion:178 Resp: 186755

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

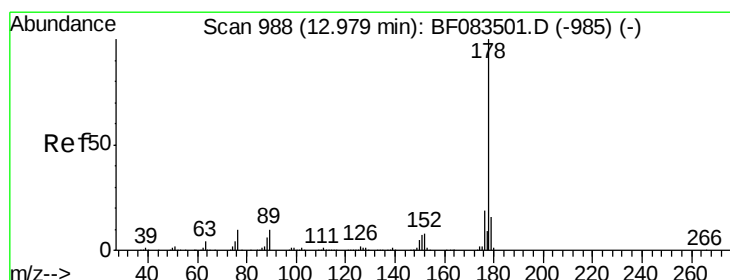
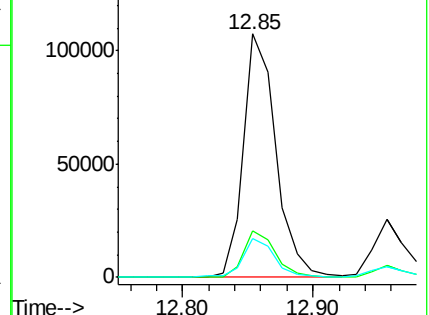
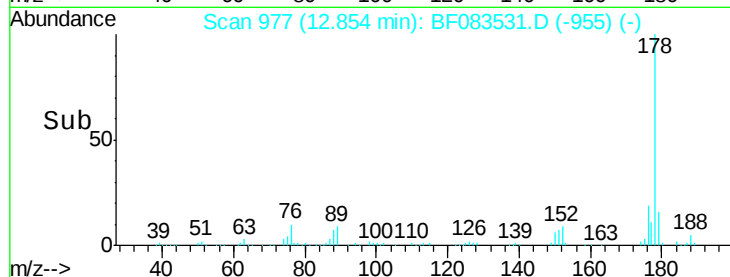
179 15.8 12.2 18.4



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: 4.31 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.13 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

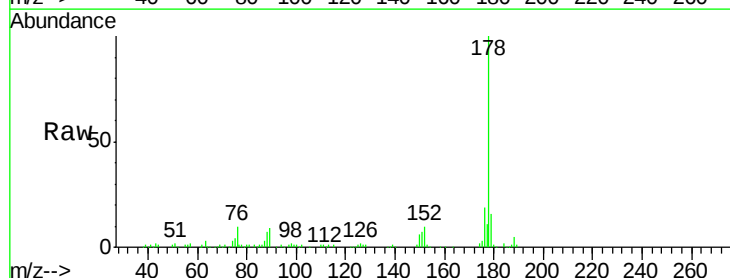
Tgt Ion:178 Resp: 186755

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

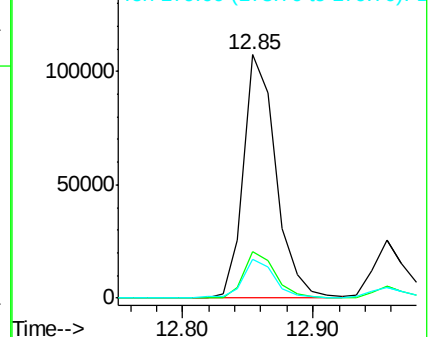
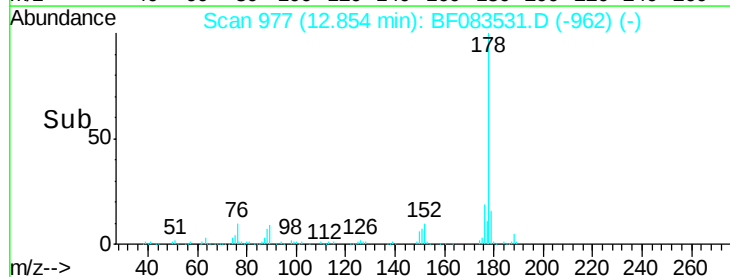
179 15.8 12.6 18.8

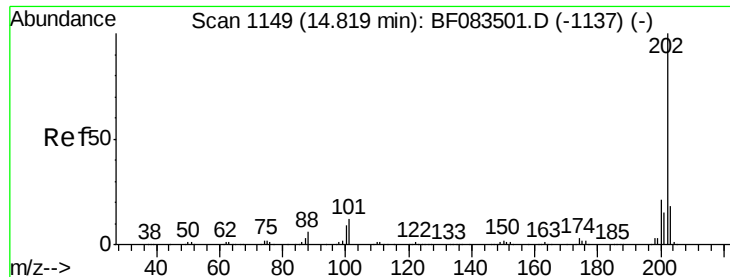


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

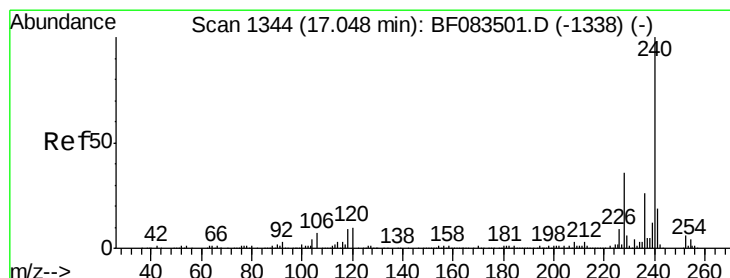
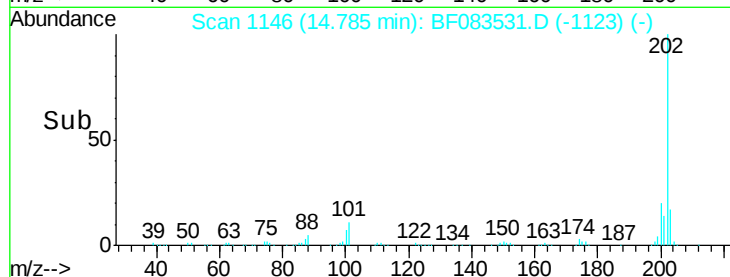
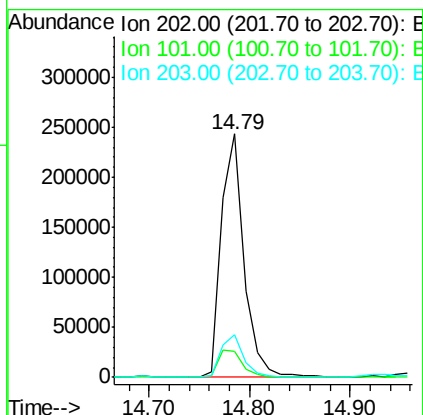
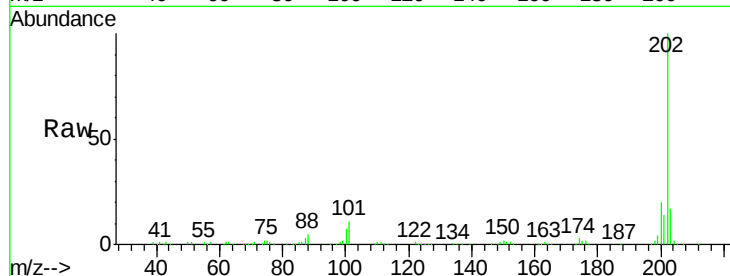




#74
 Fluoranthene
 Concen: 9.11 ng
 RT: 14.79 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

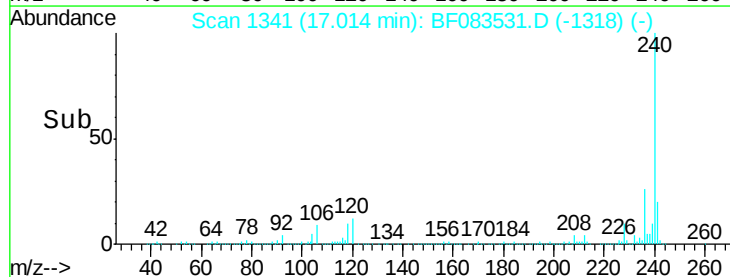
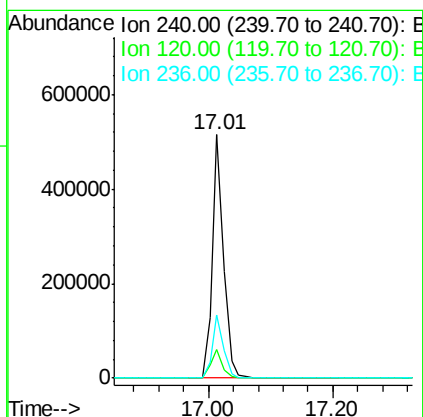
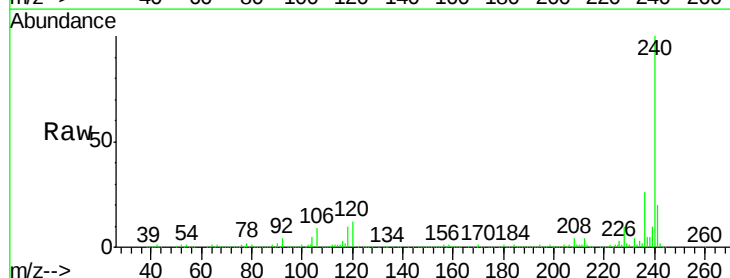
Instrument :
 BNA_G
 ClientSampleId :
 S17-15.5

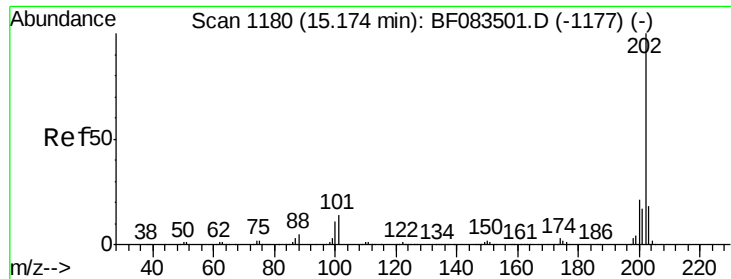
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.5
203	17.4	0.0	37.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.01 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.1	12.1
236	25.9	20.8	31.2

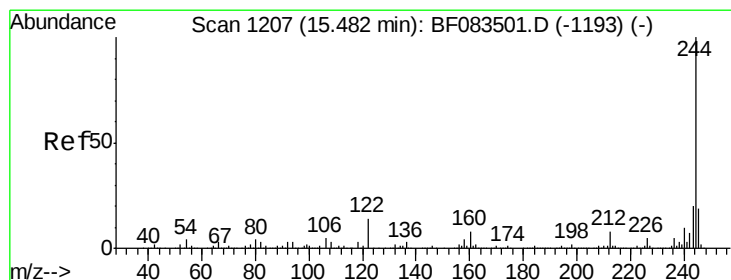
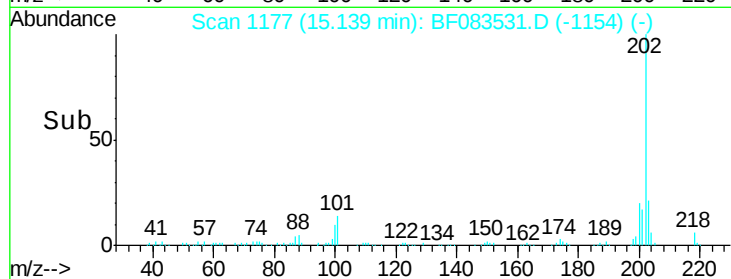
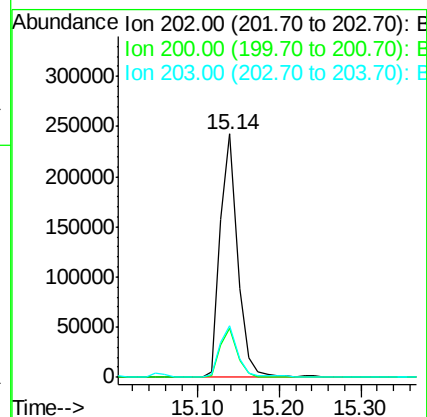
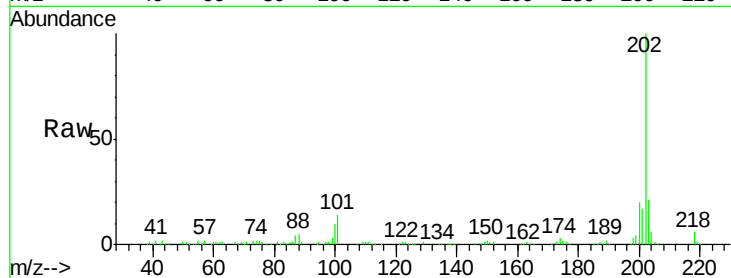




#77
 Pyrene
 Concen: 7.55 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.03 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

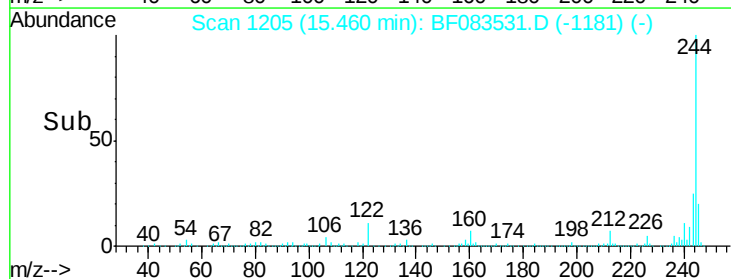
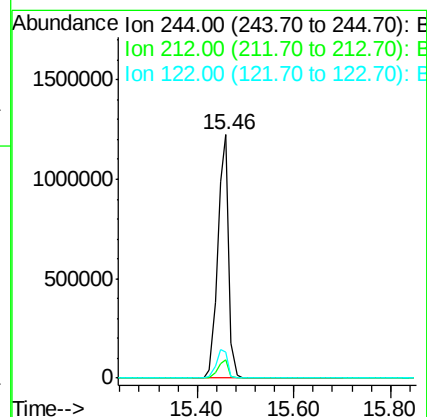
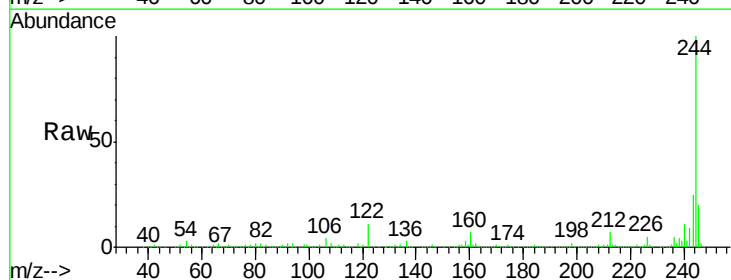
Instrument :
 BNA_G
 ClientSampleId :
 S17-15.5

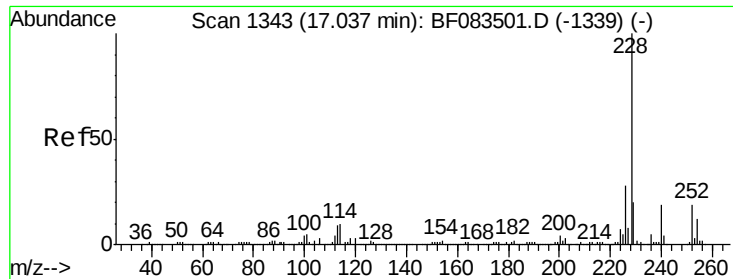
Tgt Ion: 202 Resp: 358841
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.7 25.1
 203 21.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 68.49 ng
 RT: 15.46 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion: 244 Resp: 1955172
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 10.9 11.0 16.6#

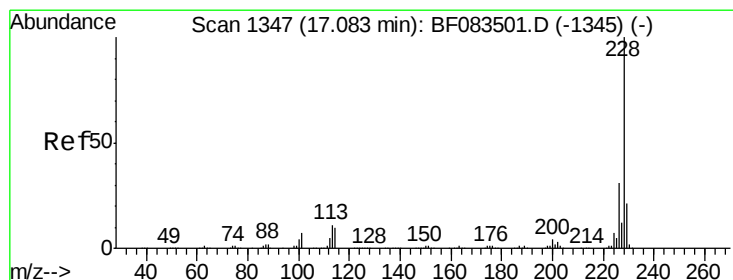
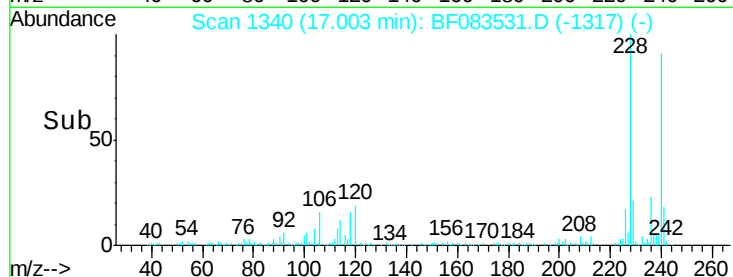
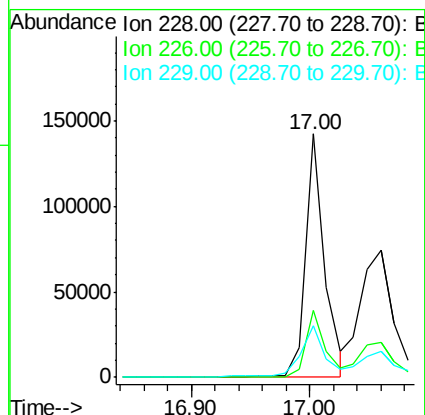
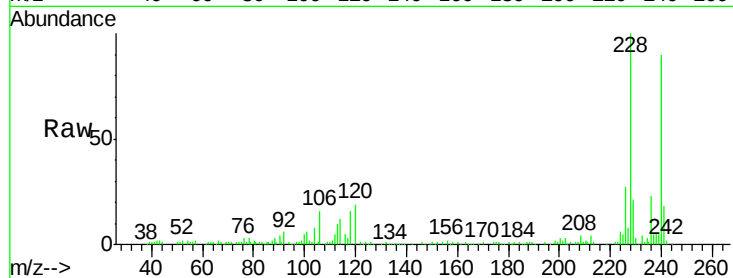




#80
Benzo(a)anthracene
Concen: 4.27 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

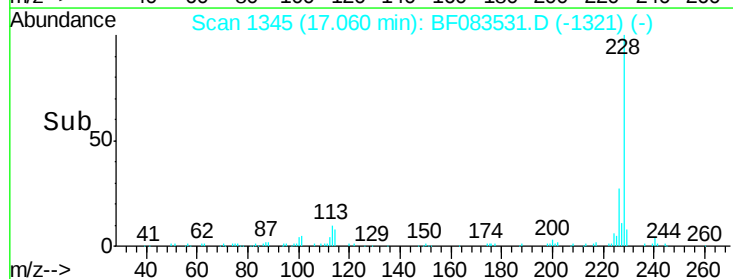
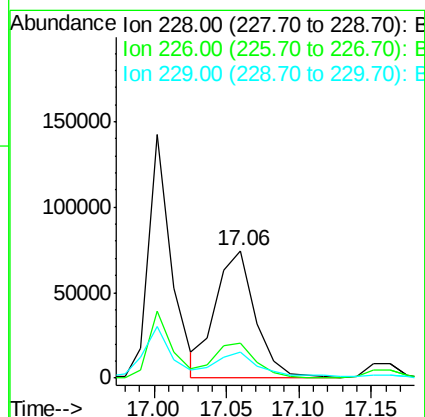
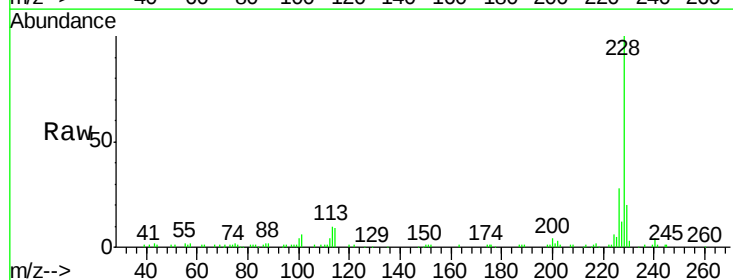
Instrument :
BNA_G
ClientSampleId :
S17-15.5

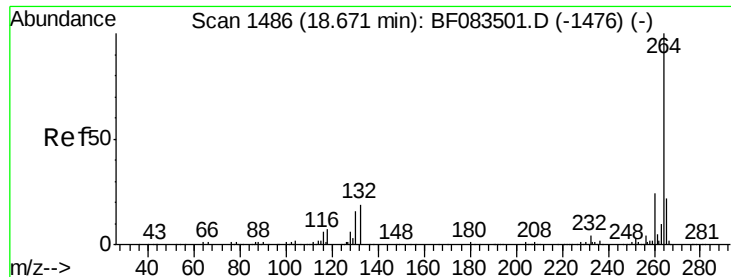
Tgt Ion:228 Resp: 158560
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 21.4 15.7 23.5



#82
Chrysene
Concen: 3.84 ng
RT: 17.06 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion:228 Resp: 142049
Ion Ratio Lower Upper
228 100
226 27.6 24.7 37.1
229 20.4 16.3 24.5



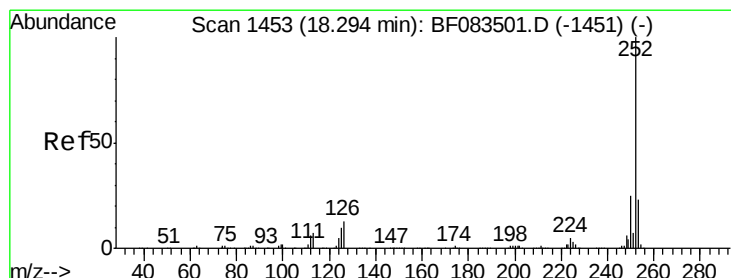
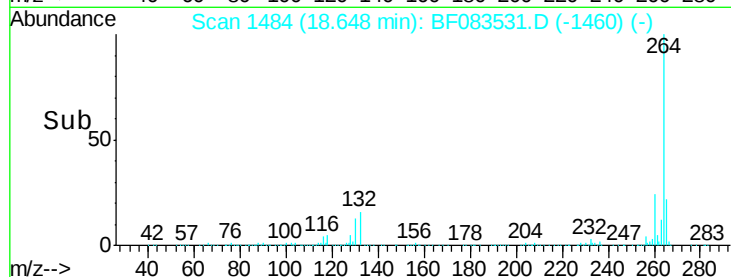
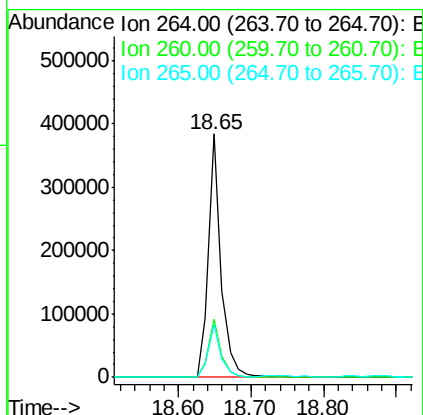
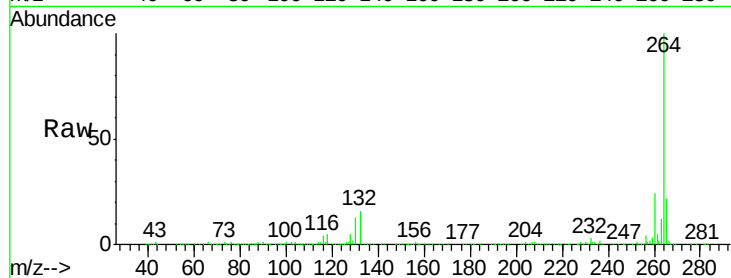


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Instrument :
BNA_G
ClientSampleId :
S17-15.5

Tgt Ion: 264 Resp: 469075

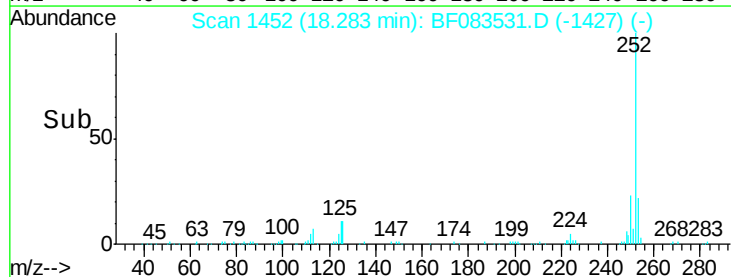
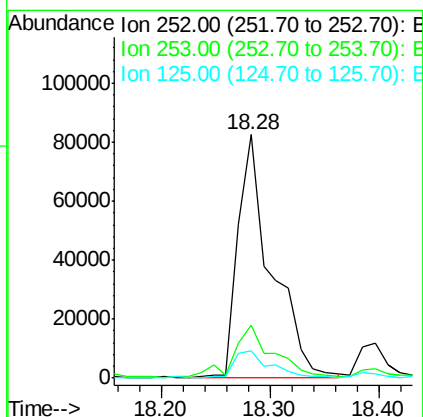
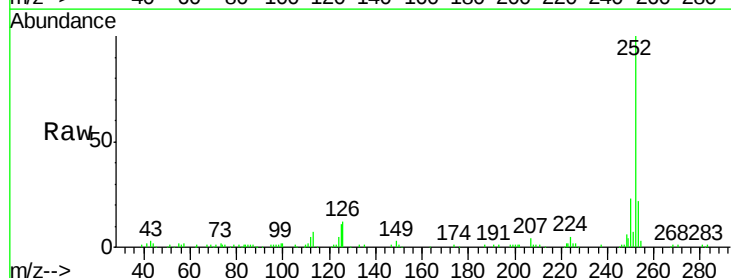
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	21.9	17.8	26.6

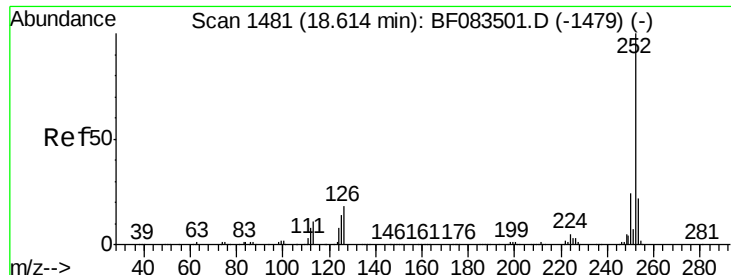


#87
Benzo(b)fluoranthene
Concen: 6.64 ng
RT: 18.28 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion: 252 Resp: 175044

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	11.0	8.2	12.4





#89

Benzo(a)pyrene

Concen: 3.60 ng

RT: 18.60 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF083531.D

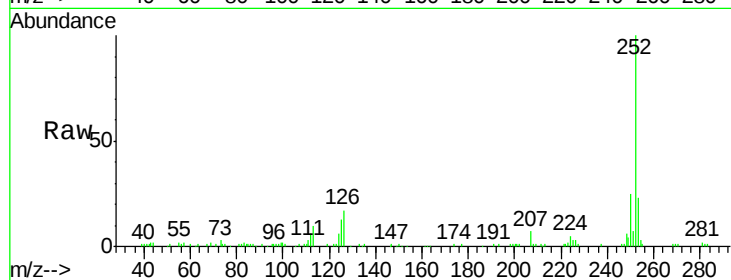
Acq: 6 Dec 2015 19:54

Instrument :

BNA_G

ClientSampleId :

S17-15.5



Tgt Ion:	252	Resp:	92183
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.6	11.0	16.6

