

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083528.D
 Acq On : 6 Dec 2015 13:53
 Operator : UM/IZ
 Sample : G4614-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S26-15.5

Quant Time: Dec 07 05:02:34 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

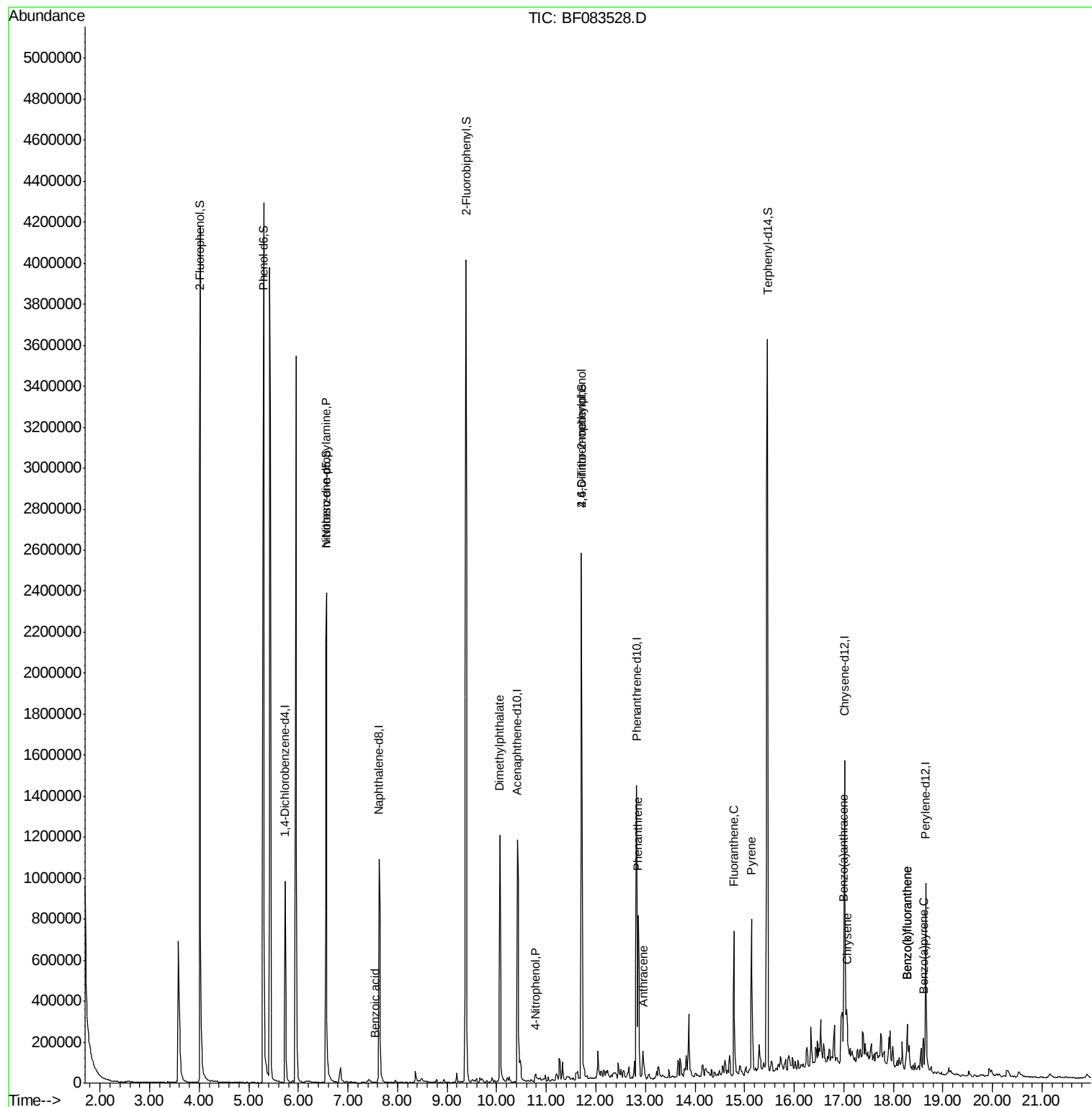
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	196484	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	764093	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	385053	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	698593	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	592200	20.00	ng	-0.03
86) Perylene-d12	18.65	264	441917	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1625452	125.51	ng	-0.01
7) Phenol-d6	5.30	99	2181356	122.25	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1456052	89.08	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	432397	121.73	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2095799	73.82	ng	-0.05
78) Terphenyl-d14	15.46	244	1821153	68.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.57	70	191352	16.07	ng	# 78
32) Benzoic acid	7.55	122	218	2.67	ng	# 1
49) Dimethylphthalate	10.06	163	673197	22.21	ng	99
55) 4-Nitrophenol	10.78	139	11111	2.87	ng	# 5
64) 4,6-Dinitro-2-methylphenol	11.71	198	1126	3.70	ng	# 1
70) Phenanthrene	12.85	178	491852	12.10	ng	99
71) Anthracene	12.96	178	113499	2.74	ng	96
74) Fluoranthene	14.79	202	461715	11.46	ng	97
77) Pyrene	15.14	202	411144	9.28	ng	# 96
80) Benzo(a)anthracene	17.00	228	165748	4.78	ng	98
82) Chrysene	17.06	228	140546	4.07	ng	99
87) Benzo(b)fluoranthene	18.28	252	168843	6.80	ng	# 96
88) Benzo(k)fluoranthene	18.28	252	168843	6.64	ng	96
89) Benzo(a)pyrene	18.60	252	91622	3.80	ng	97

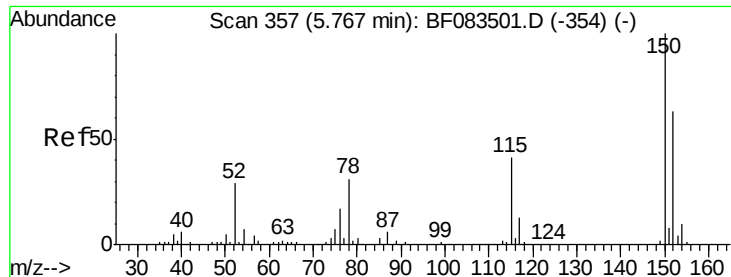
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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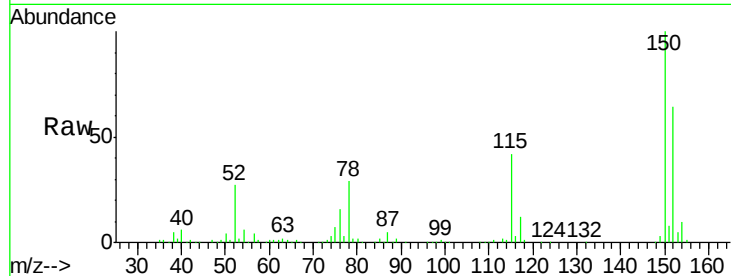


#1

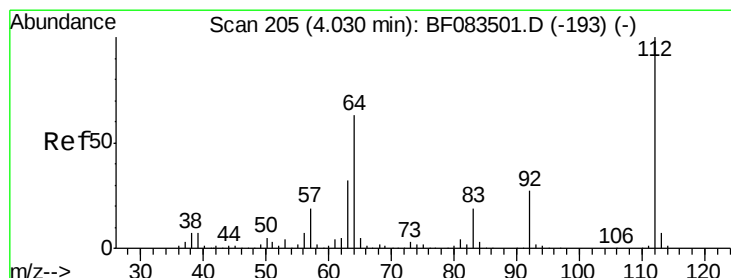
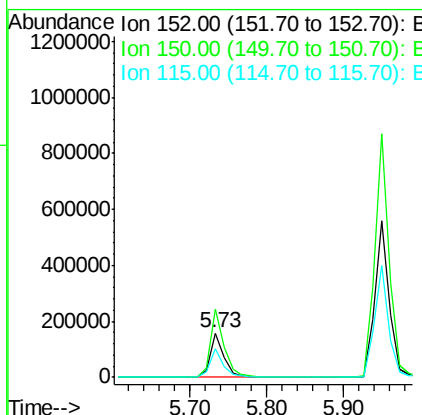
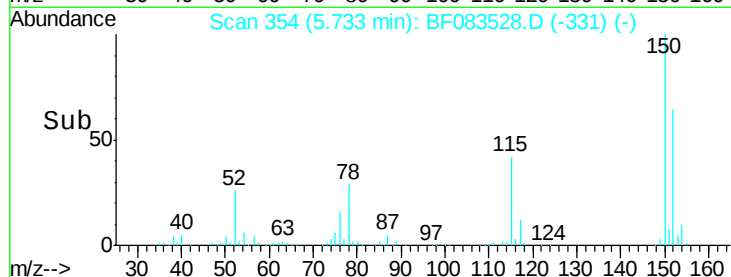
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Instrument :
BNA_G
ClientSampleId :
S26-15.5

Tgt Ion:152 Resp: 196484
Ion Ratio Lower Upper
152 100
150 155.5 126.5 189.7
115 64.7 52.3 78.5



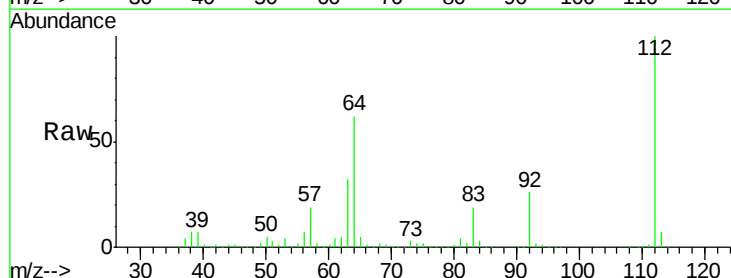
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



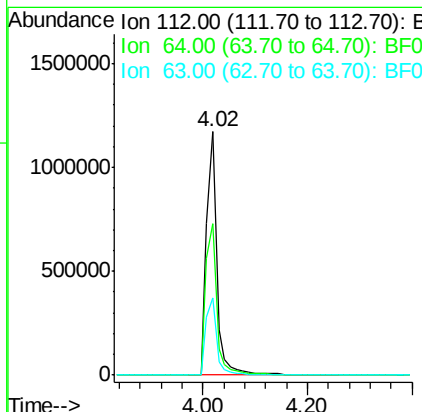
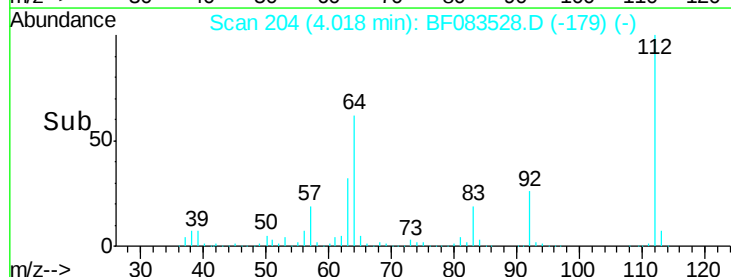
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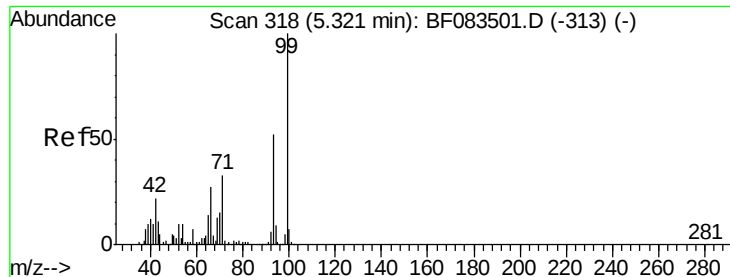
2-Fluorophenol
Concen: 125.51 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:112 Resp: 1625452
Ion Ratio Lower Upper
112 100
64 62.4 50.5 75.7
63 31.8 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: 122.25 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083528.D

Acq: 6 Dec 2015 13:53

Instrument :

BNA_G

ClientSampleId :

S26-15.5

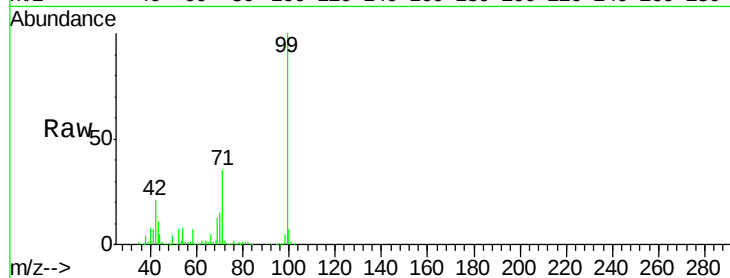
Tgt Ion: 99 Resp: 2181356

Ion Ratio Lower Upper

99 100

42 21.1 17.3 25.9

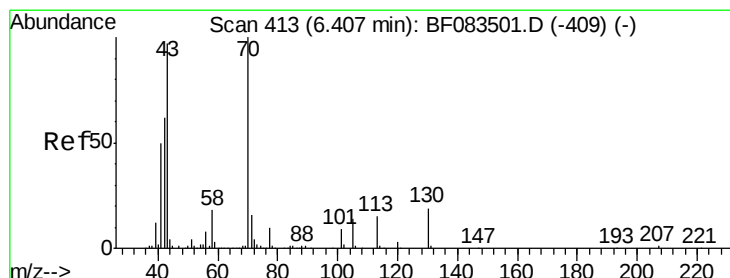
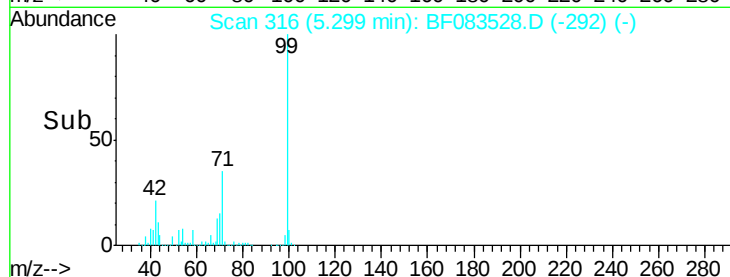
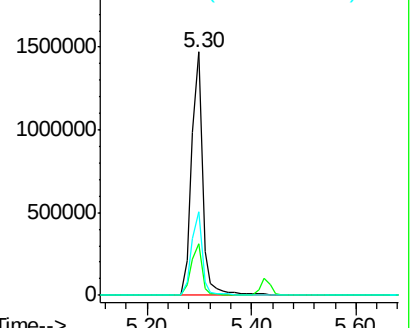
71 34.5 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.07 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.16 min

Lab File: BF083528.D

Acq: 6 Dec 2015 13:53

Tgt Ion: 70 Resp: 191352

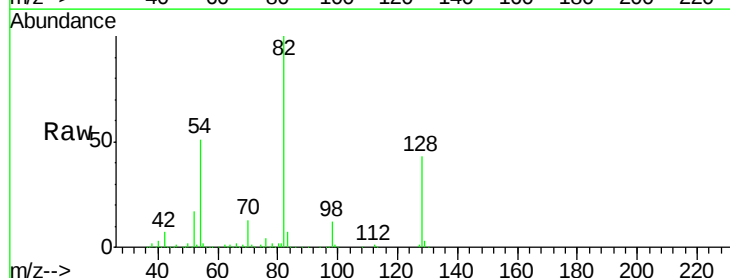
Ion Ratio Lower Upper

70 100

42 48.9 49.2 73.8#

101 0.0 7.1 10.7#

130 2.1 15.4 23.0#

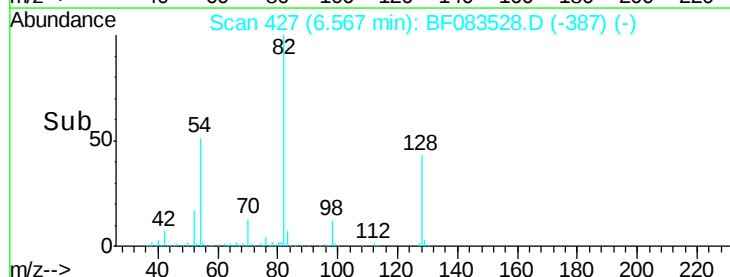
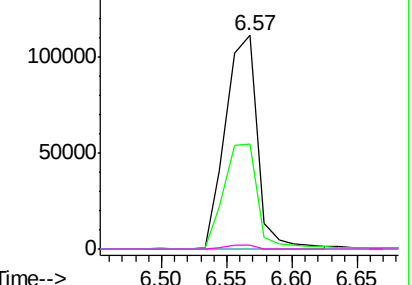


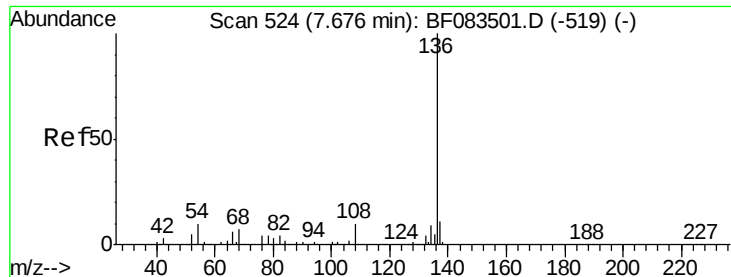
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

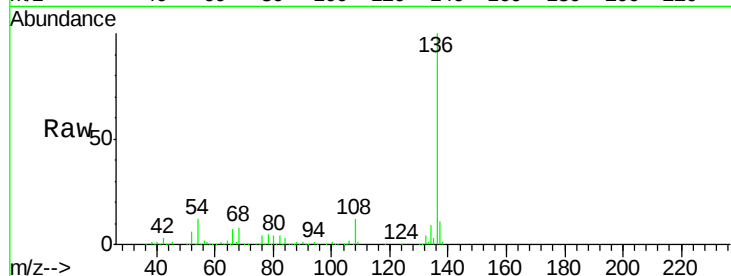




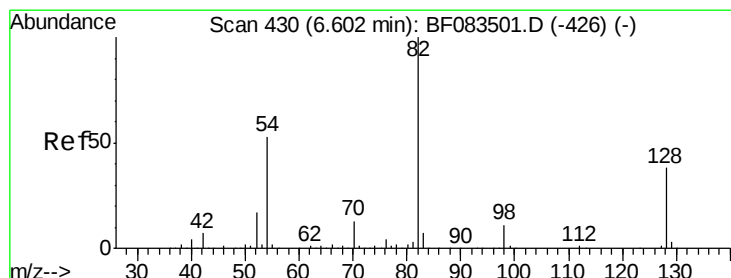
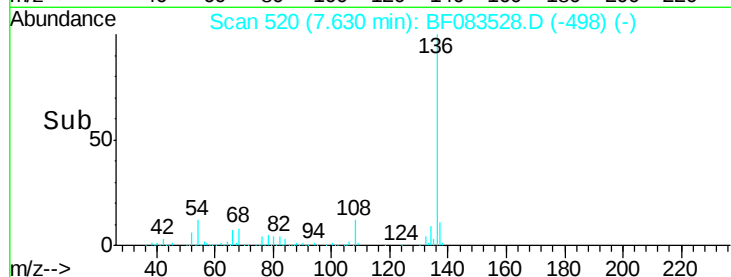
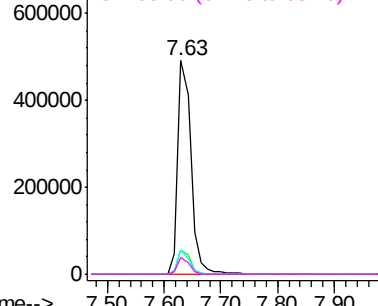
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Instrument :
BNA_G
ClientSampleId :
S26-15.5

Tgt Ion:	136	Resp:	764093
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.6	7.8	11.6
68	7.9	5.7	8.5

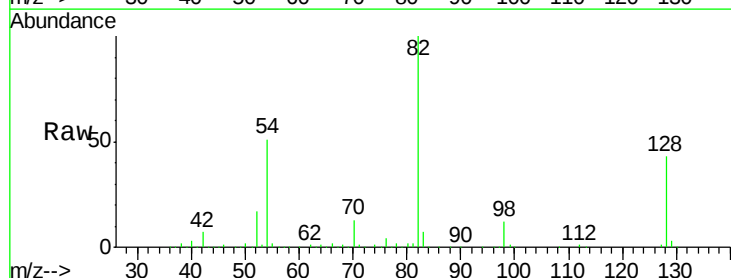


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

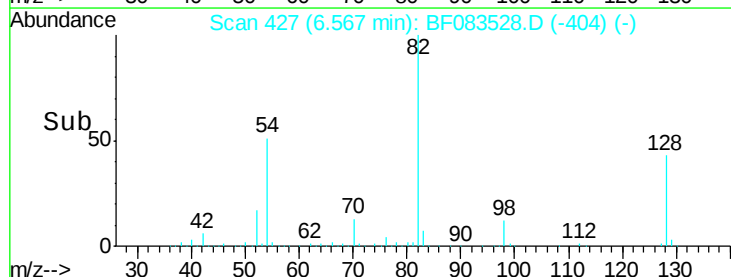
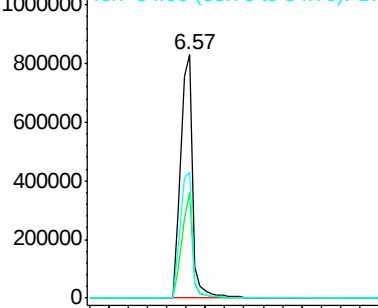


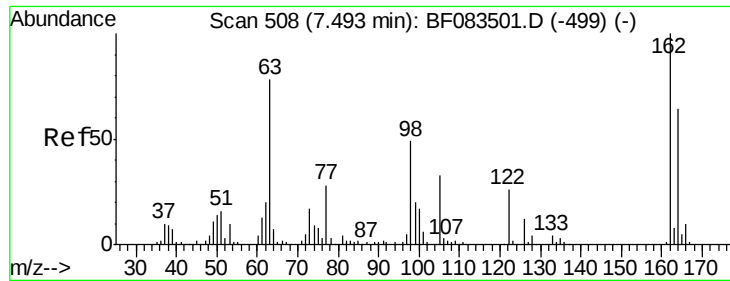
#23
Nitrobenzene-d5
Concen: 89.08 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:	82	Resp:	1456052
Ion	Ratio	Lower	Upper
82	100		
128	43.2	30.7	46.1
54	51.5	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

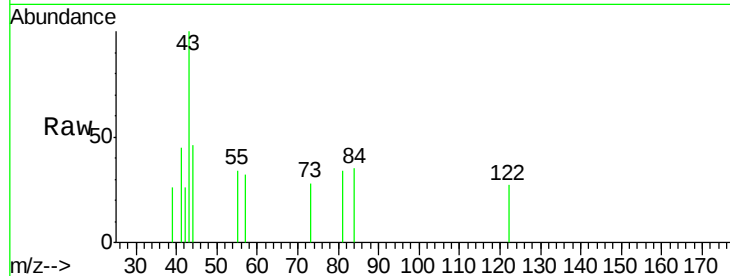




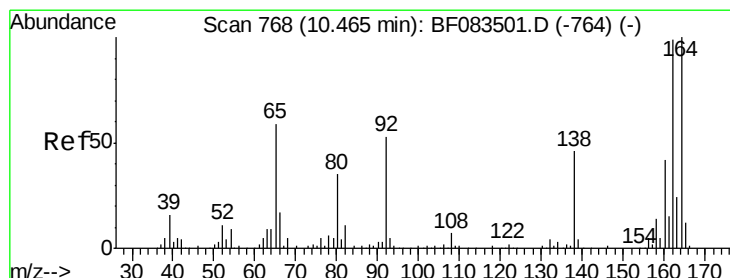
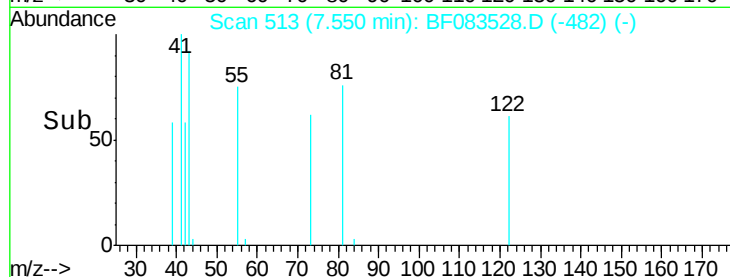
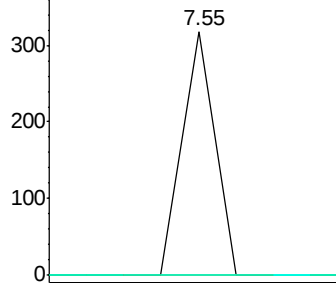
#32
Benzoic acid
Concen: 2.67 ng
RT: 7.55 min Scan# 513
Delta R.T. 0.06 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Instrument :
BNA_G
ClientSampleId :
S26-15.5

Tgt Ion:122 Resp: 218
Ion Ratio Lower Upper
122 100
105 0.0 105.6 145.6#
77 0.0 86.8 126.8#

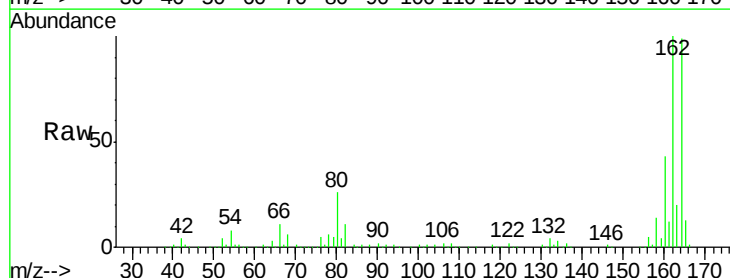


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

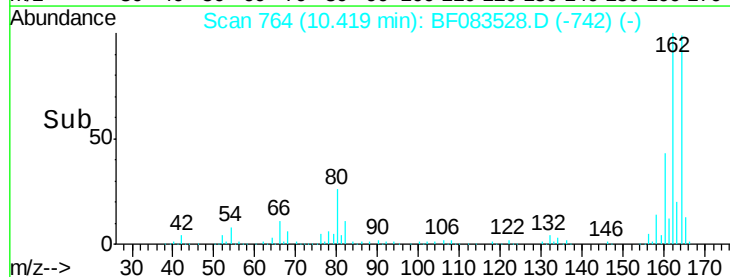
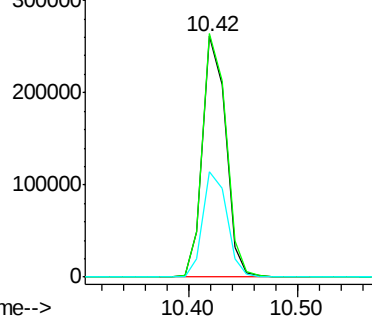


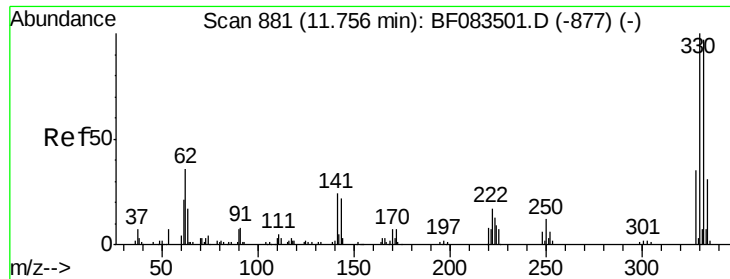
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:164 Resp: 385053
Ion Ratio Lower Upper
164 100
162 101.0 78.8 118.2
160 43.8 33.4 50.2



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

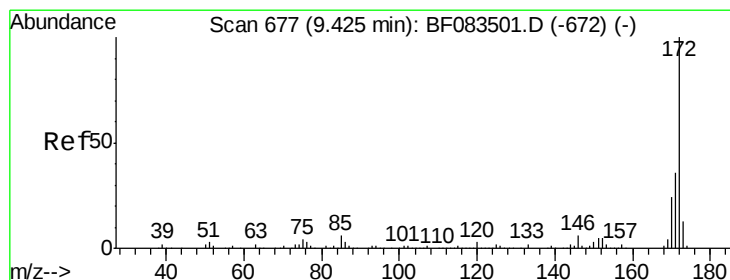
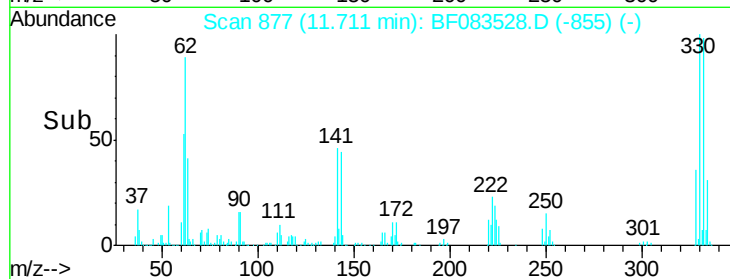
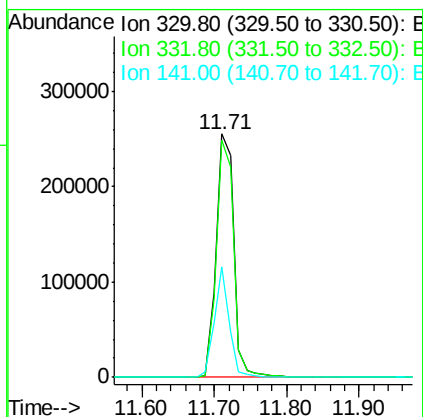
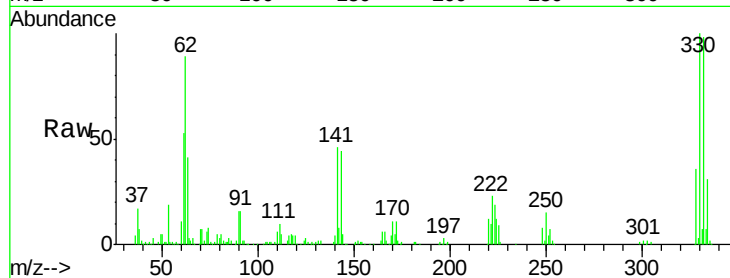




#41
 2,4,6-Tribromophenol
 Concen: 121.73 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083528.D
 Acq: 6 Dec 2015 13:53

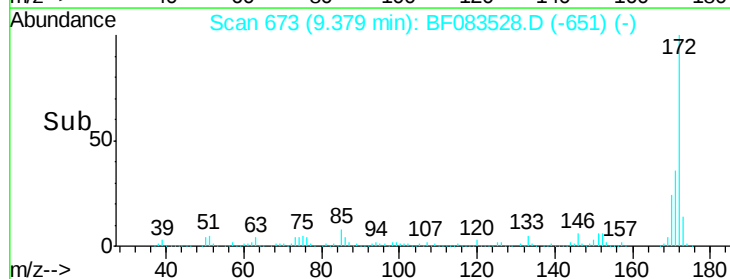
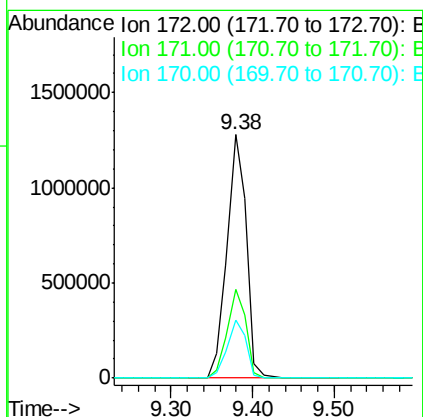
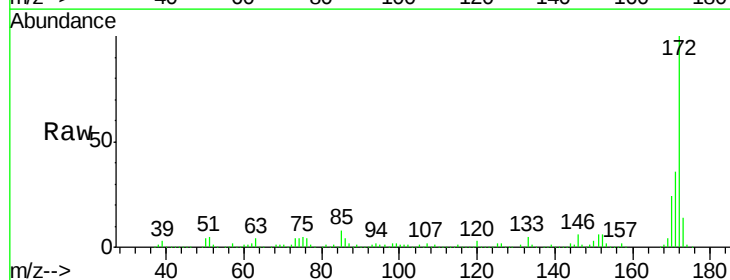
Instrument :
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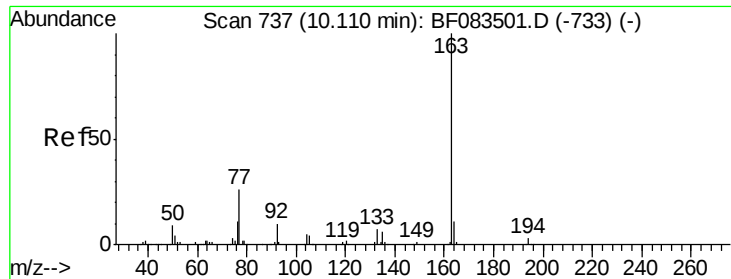
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	38.3	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 73.82 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083528.D
 Acq: 6 Dec 2015 13:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.0	19.4	29.0

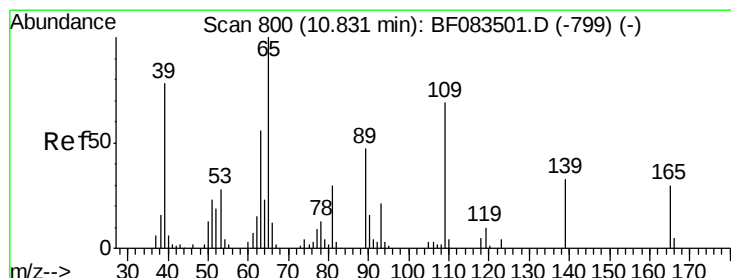
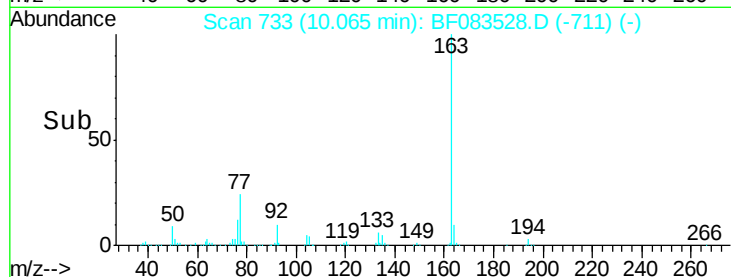
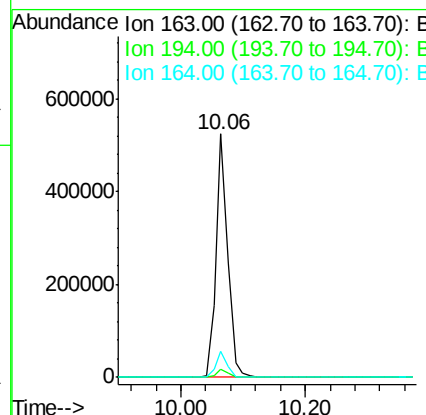
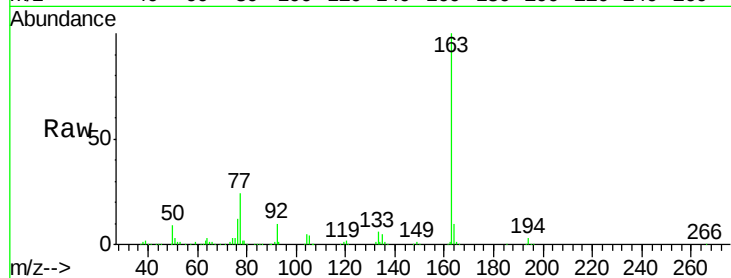




#49
Dimethylphthalate
Concen: 22.21 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

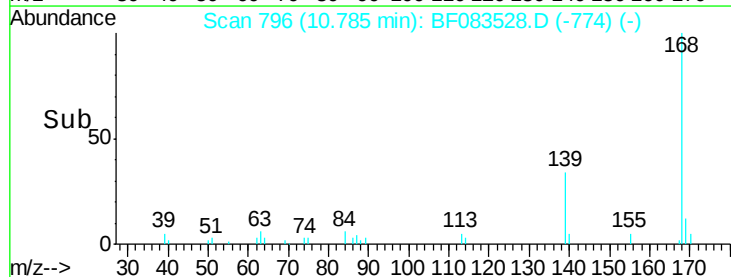
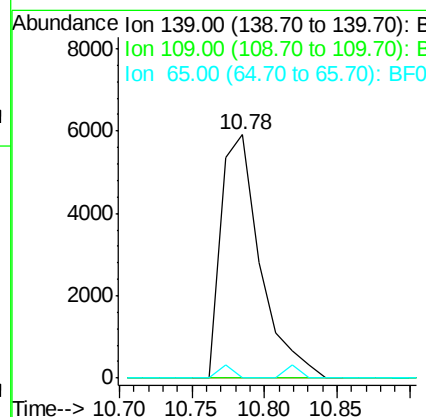
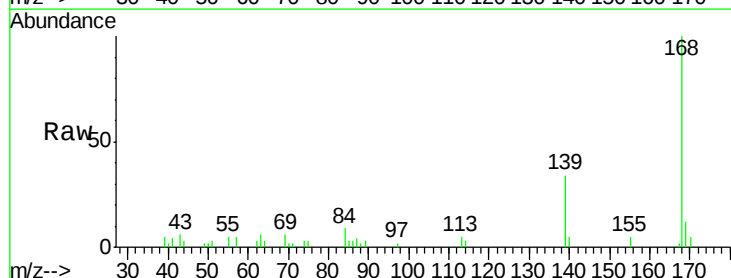
Instrument :
BNA_G
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S26-15.5

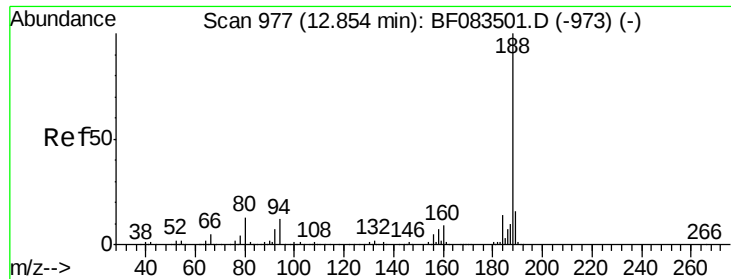
Tgt Ion:163 Resp: 673197
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.5 8.6 13.0



#55
4-Nitrophenol
Concen: 2.87 ng
RT: 10.78 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:139 Resp: 11111
Ion Ratio Lower Upper
139 100
109 0.0 42.0 82.0#
65 0.0 89.2 129.2#

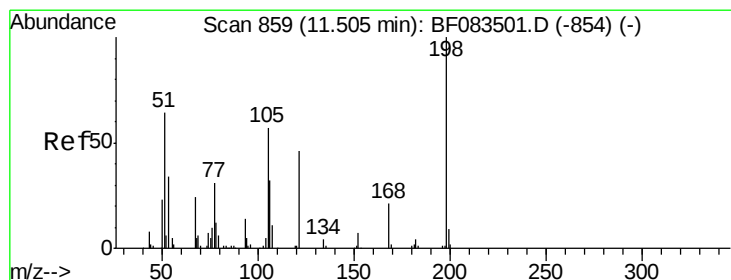
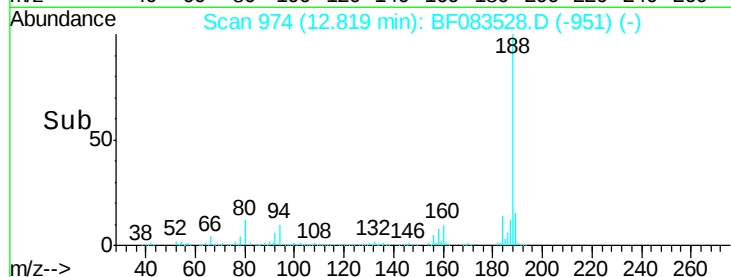
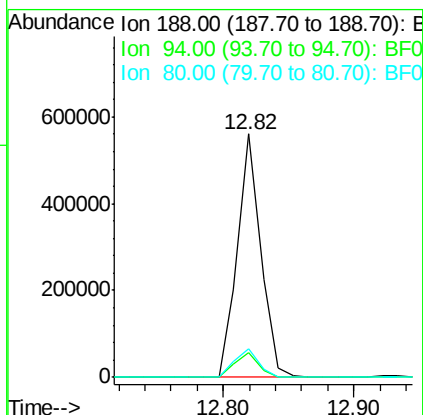
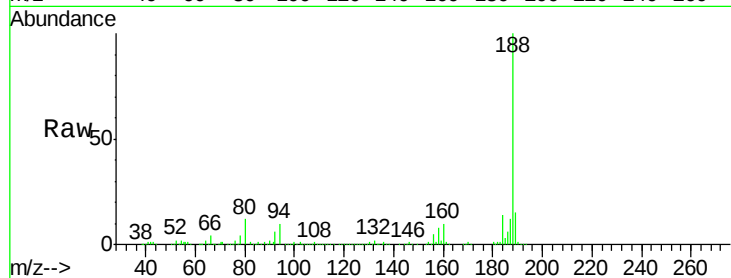




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

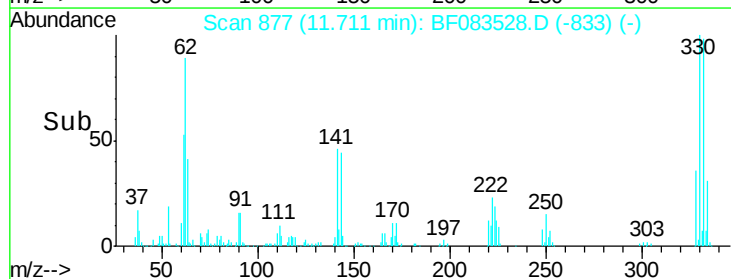
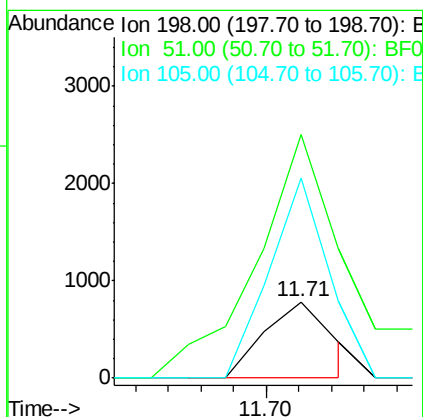
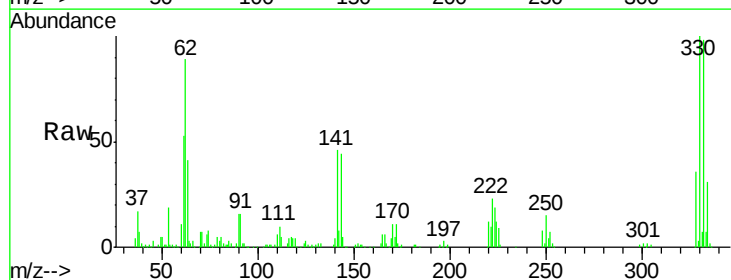
Instrument :
BNA_G
ClientSampleId :
S26-15.5

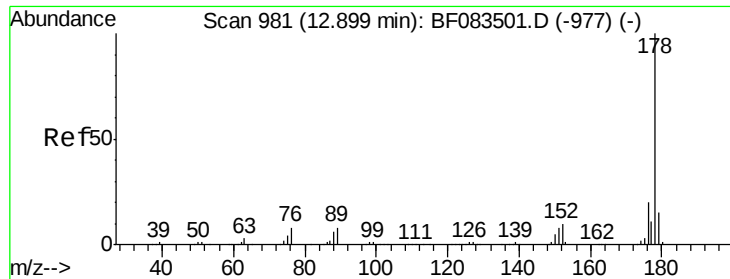
Tgt Ion:188 Resp: 698593
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 12.0 10.6 16.0



#64
4,6-Dinitro-2-methylphenol
Concen: 3.70 ng
RT: 11.71 min Scan# 877
Delta R.T. 0.21 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:198 Resp: 1126
Ion Ratio Lower Upper
198 100
51 318.9 53.8 93.8#
105 262.5 38.6 78.6#

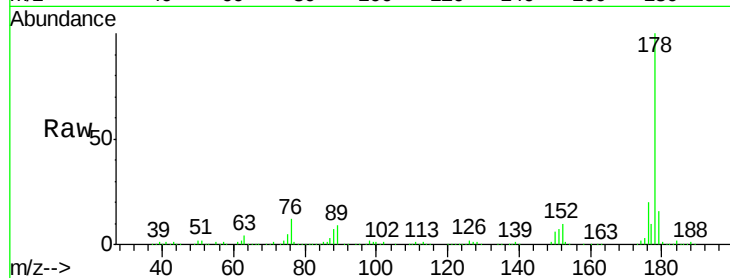




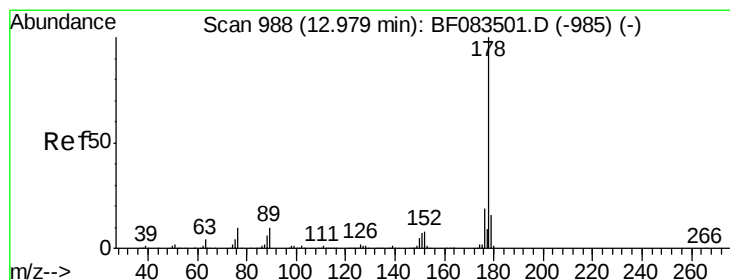
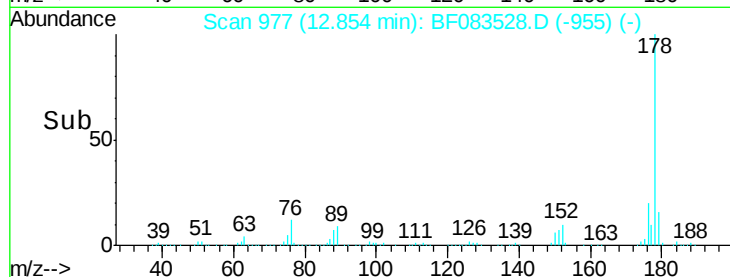
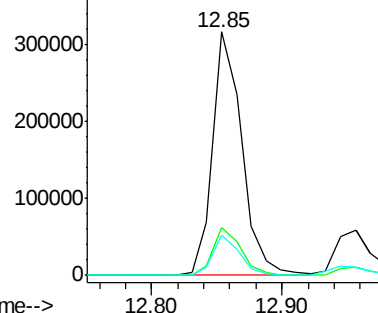
#70
 Phenanthrene
 Concen: 12.10 ng
 RT: 12.85 min Scan# 977
 Delta R.T. -0.05 min
 Lab File: BF083528.D
 Acq: 6 Dec 2015 13:53

Instrument :
 BNA_G
 ClientSampleId :
 S26-15.5

Tgt Ion:178 Resp: 491852
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.7 23.5
 179 16.3 12.2 18.4

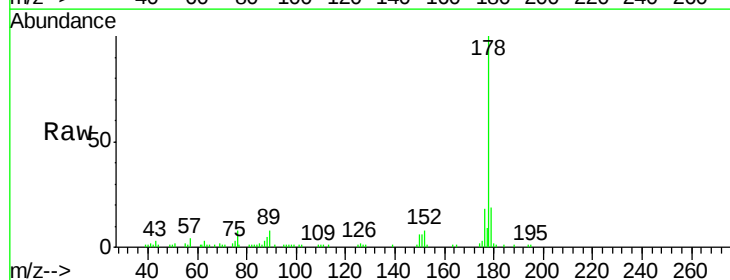


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

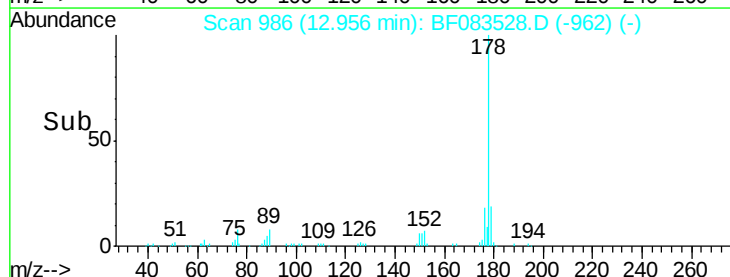
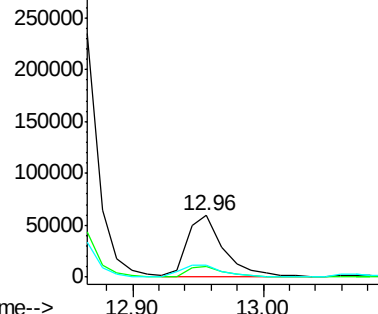


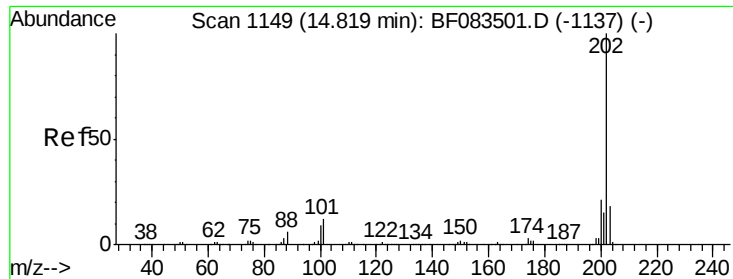
#71
 Anthracene
 Concen: 2.74 ng
 RT: 12.96 min Scan# 986
 Delta R.T. -0.02 min
 Lab File: BF083528.D
 Acq: 6 Dec 2015 13:53

Tgt Ion:178 Resp: 113499
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.2 22.8
 179 18.6 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: 11.46 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083528.D

Acq: 6 Dec 2015 13:53

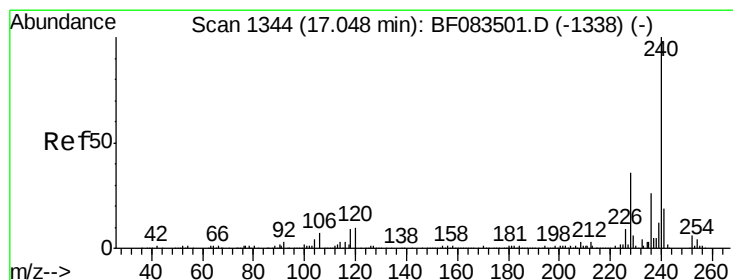
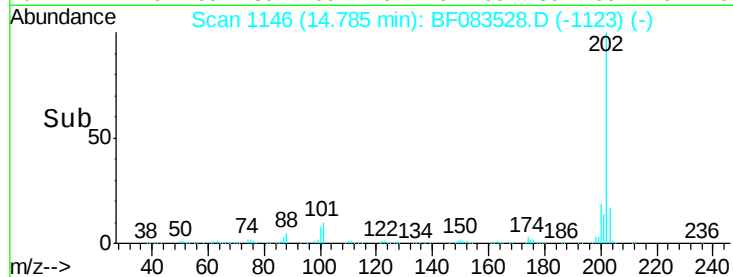
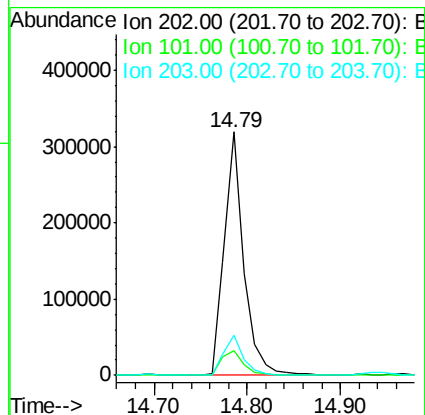
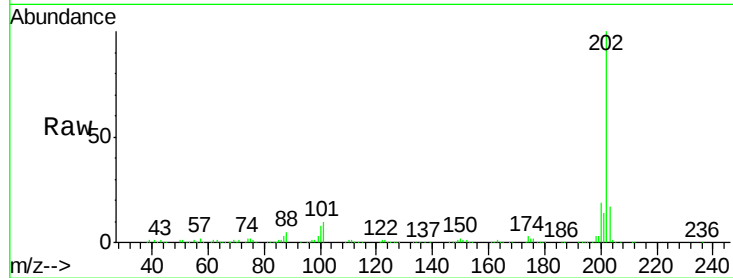
Instrument :

BNA_G

ClientSampleId :

S26-15.5

Tgt Ion:	202	Resp:	461715
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.5
203	16.7	0.0	37.6



#75

Chrysene-d12

Concen: 20.00 ng

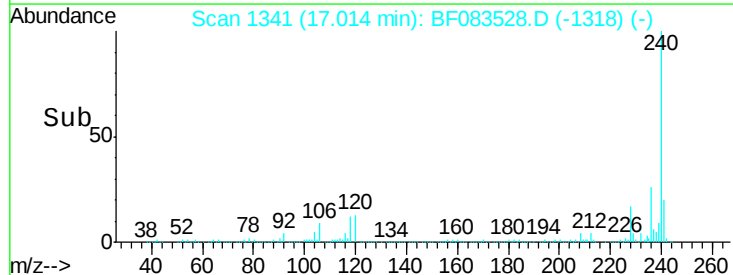
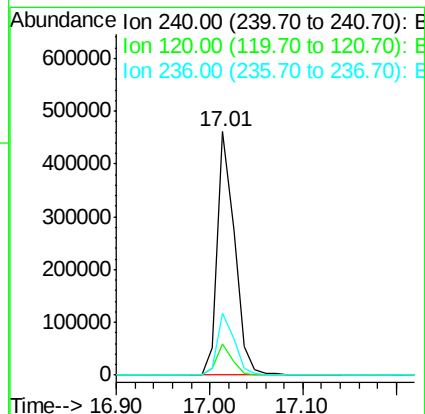
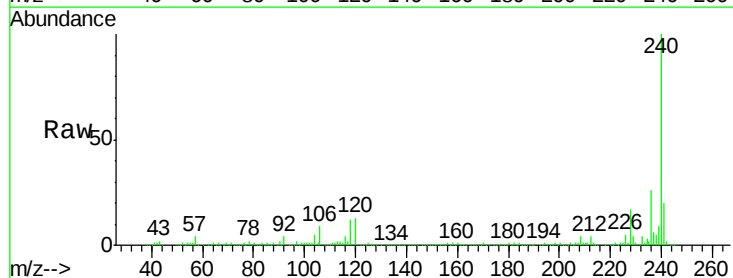
RT: 17.01 min Scan# 1341

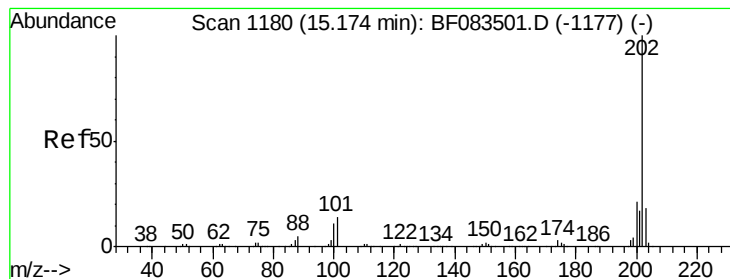
Delta R.T. -0.03 min

Lab File: BF083528.D

Acq: 6 Dec 2015 13:53

Tgt Ion:	240	Resp:	592200
Ion	Ratio	Lower	Upper
240	100		
120	12.7	8.1	12.1#
236	25.6	20.8	31.2





#77

Pyrene

Concen: 9.28 ng

RT: 15.14 min Scan# 1177

Delta R.T. -0.03 min

Lab File: BF083528.D

Acq: 6 Dec 2015 13:53

Instrument :

BNA_G

ClientSampleId :

S26-15.5

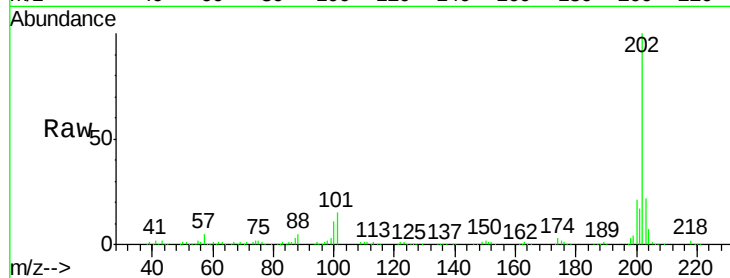
Tgt Ion:202 Resp: 411144

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

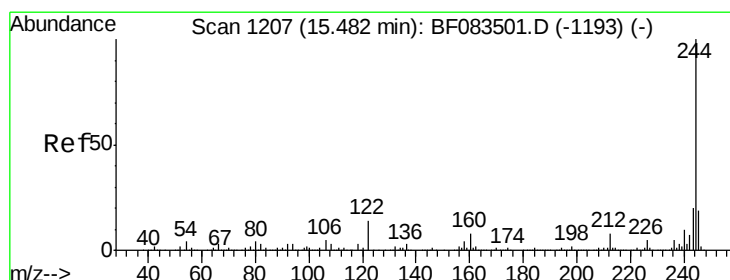
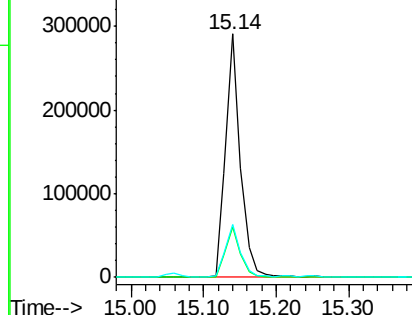
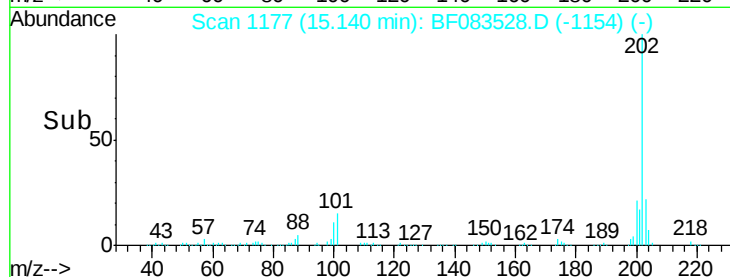
203 21.9 14.3 21.5#



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: 68.43 ng

RT: 15.46 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF083528.D

Acq: 6 Dec 2015 13:53

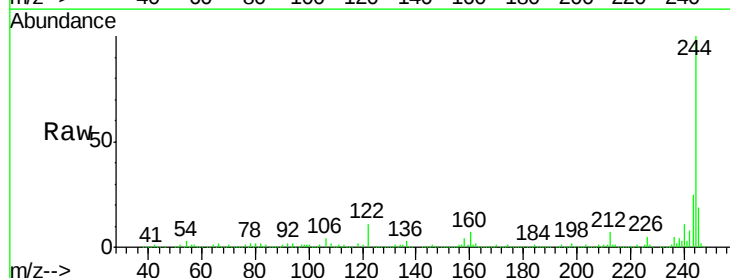
Tgt Ion:244 Resp: 1821153

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

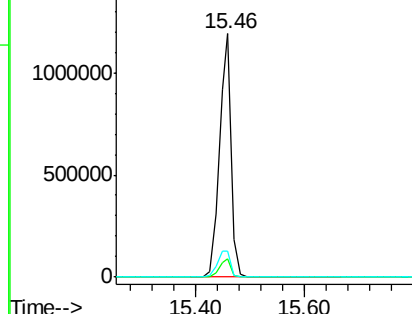
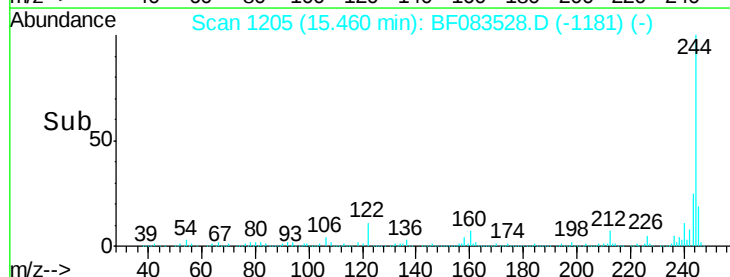
122 10.9 11.0 16.6#

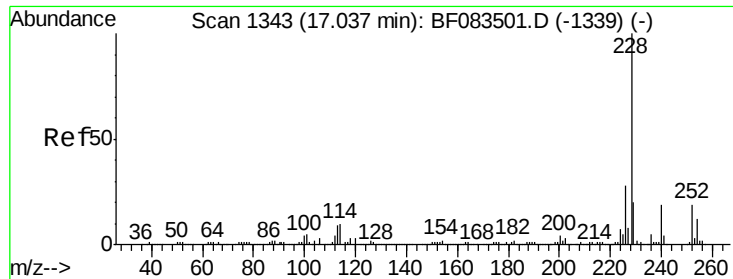


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

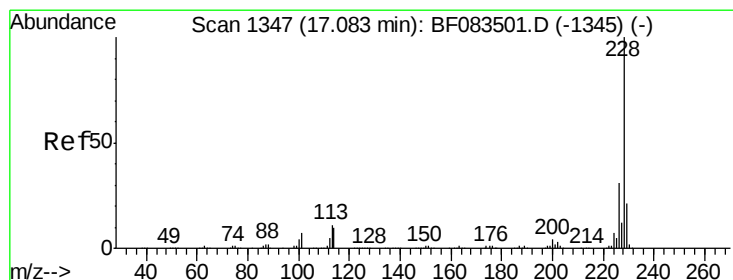
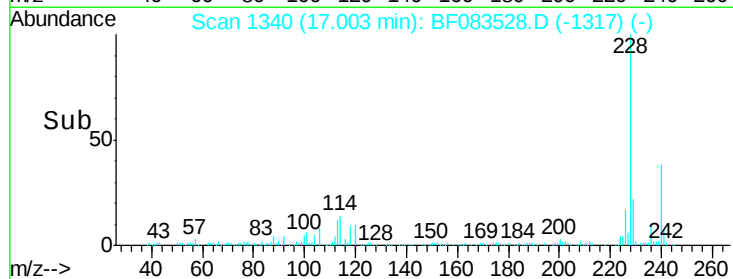
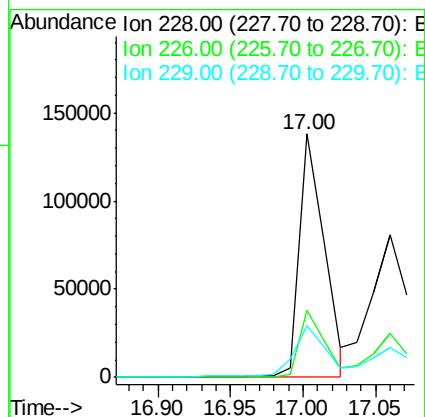
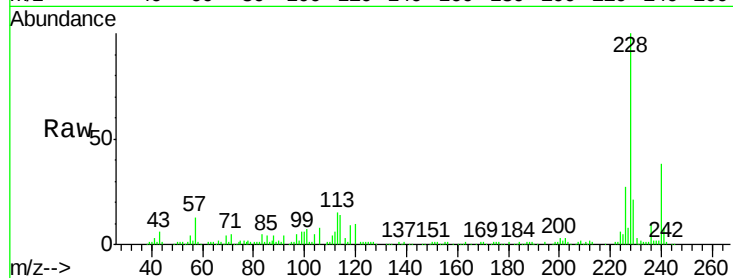




#80
Benzo(a)anthracene
Concen: 4.78 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

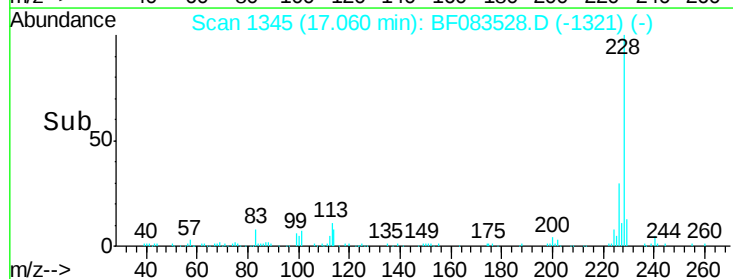
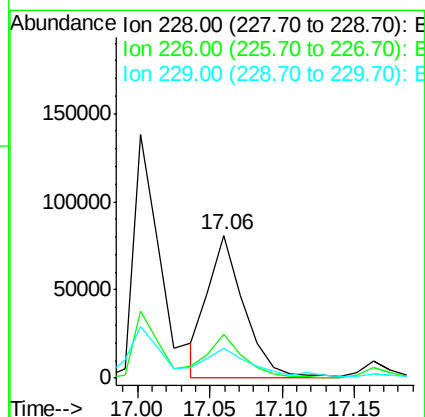
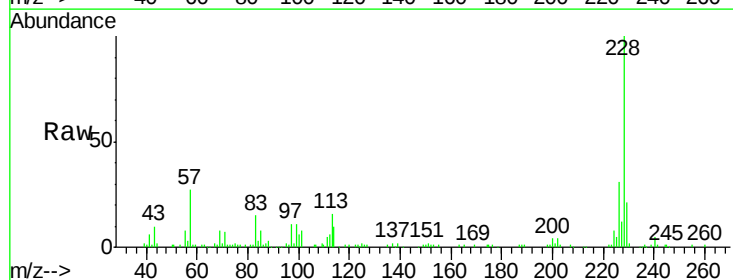
Instrument :
BNA_G
ClientSampleId :
S26-15.5

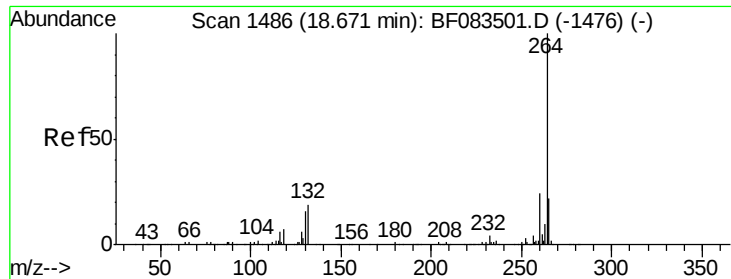
Tgt Ion:228 Resp: 165748
Ion Ratio Lower Upper
228 100
226 27.3 22.3 33.5
229 21.4 15.7 23.5



#82
Chrysene
Concen: 4.07 ng
RT: 17.06 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:228 Resp: 140546
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 20.8 16.3 24.5

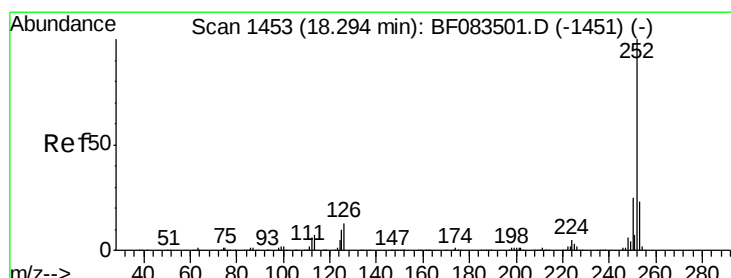
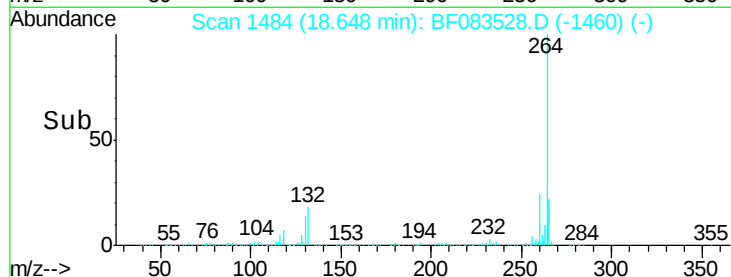
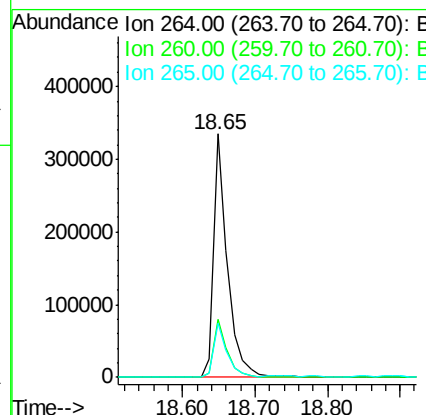
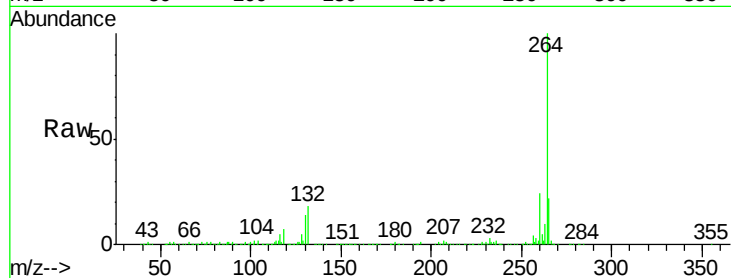




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

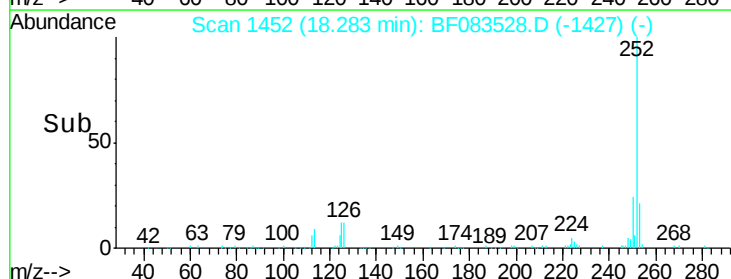
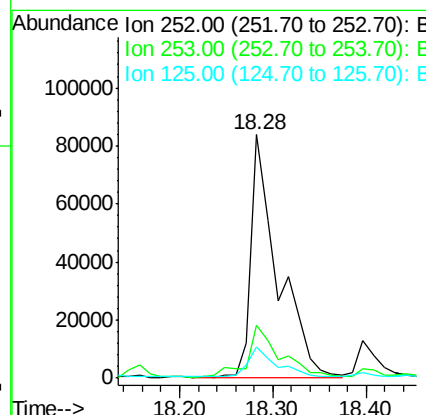
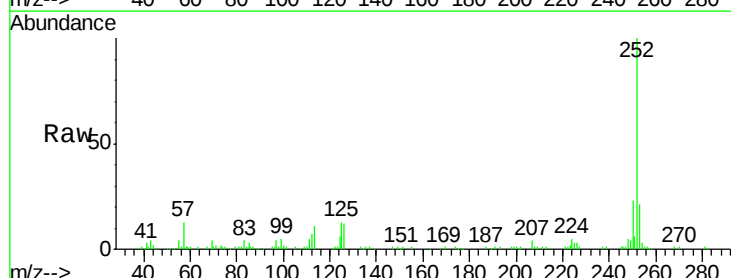
Instrument :
BNA_G
ClientSampleId :
S26-15.5

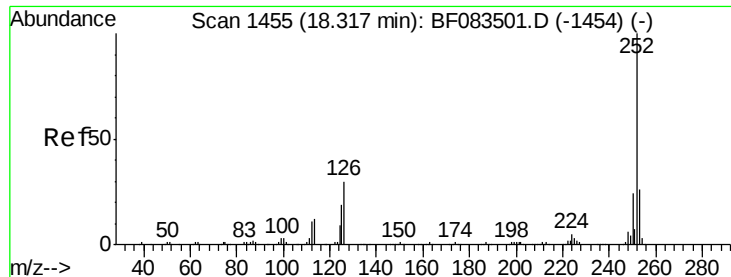
Tgt Ion:264 Resp: 441917
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.0
265 22.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 6.80 ng
RT: 18.28 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:252 Resp: 168843
Ion Ratio Lower Upper
252 100
253 21.5 18.2 27.4
125 12.9 8.2 12.4#

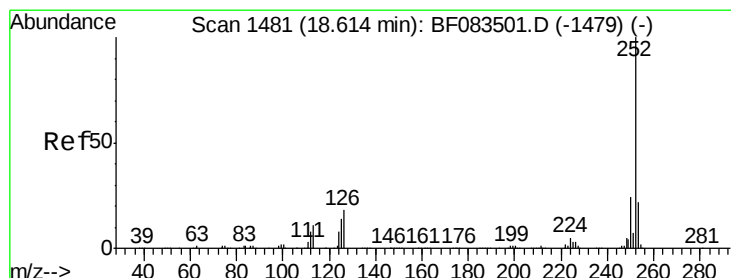
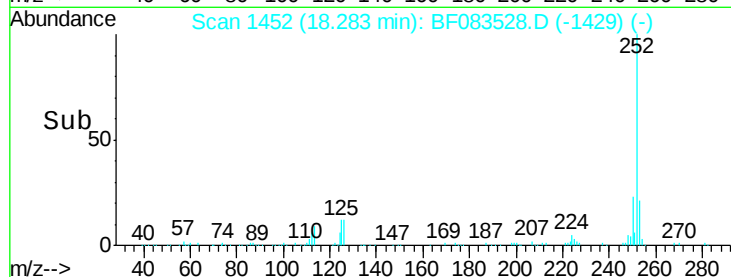
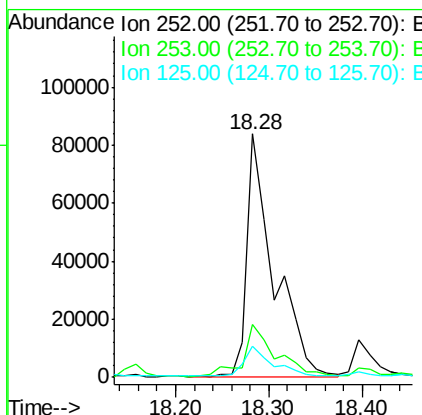
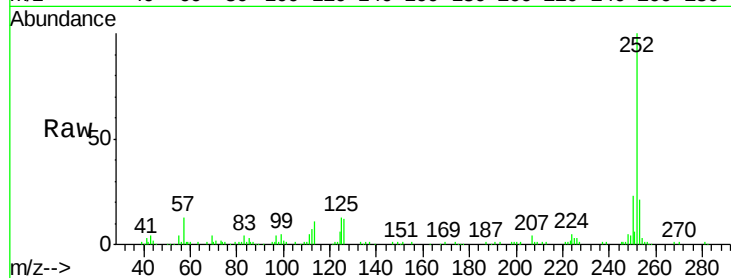




#88
Benzo(k)fluoranthene
Concen: 6.64 ng
RT: 18.28 min Scan# 1452
Delta R.T. -0.03 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Instrument :
BNA_G
ClientSampled :
S26-15.5

Tgt Ion:252 Resp: 168843
Ion Ratio Lower Upper
252 100
253 21.5 18.6 27.8
125 12.9 11.5 17.3



#89
Benzo(a)pyrene
Concen: 3.80 ng
RT: 18.60 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF083528.D
Acq: 6 Dec 2015 13:53

Tgt Ion:252 Resp: 91622
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 14.9 11.0 16.6

