

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083540.D
 Acq On : 7 Dec 2015 3:17
 Operator : UM/IZ
 Sample : G4614-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S16-15.5

Quant Time: Dec 07 05:09:14 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

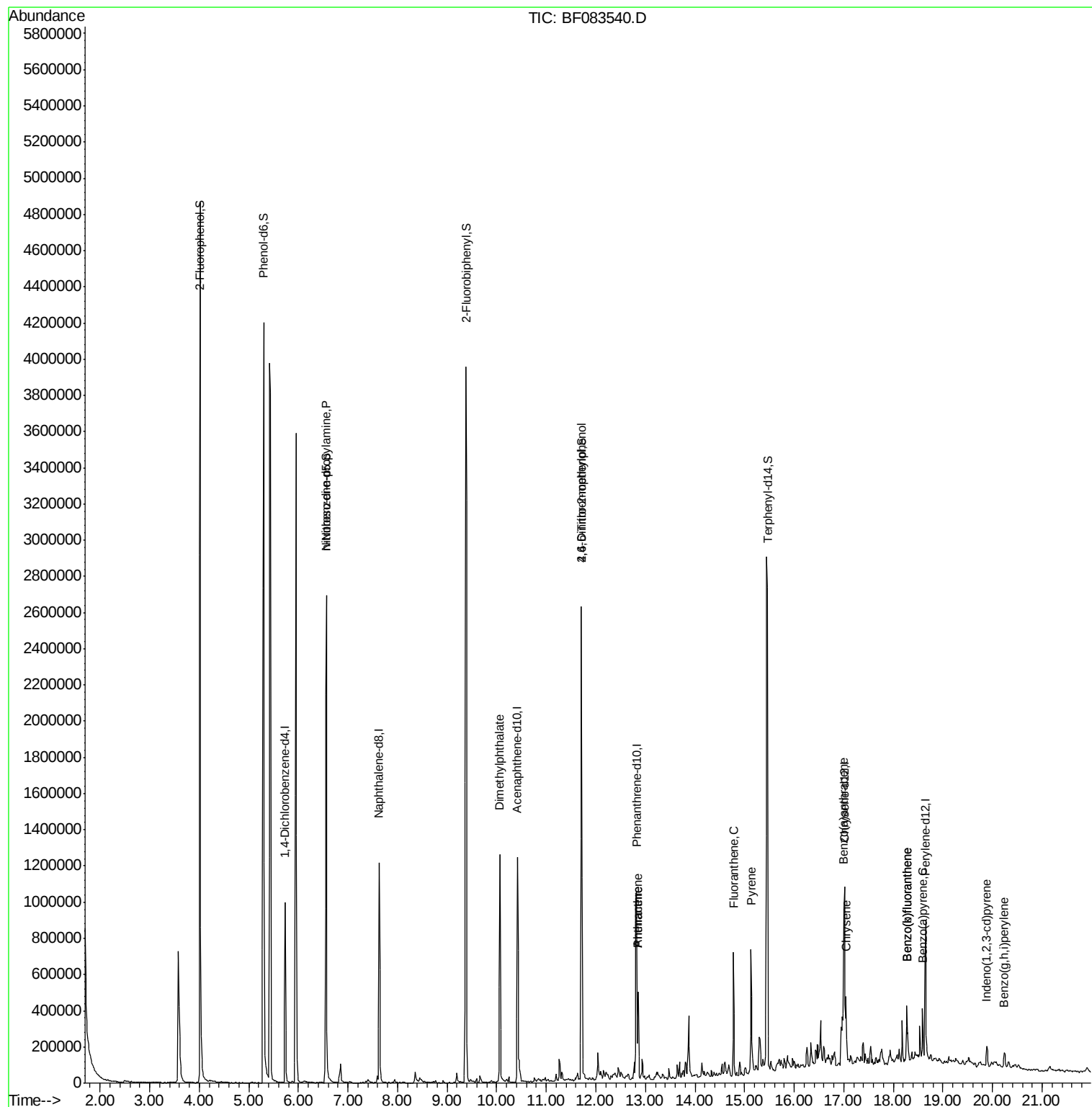
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	194046	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	730146	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	353371	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	611625	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	422644	20.00	ng	-0.03
86) Perylene-d12	18.65	264	387151	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1707368	133.49	ng	-0.01
7) Phenol-d6	5.30	99	2223492	126.17	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1540816	98.64	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	411817	126.34	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2134198	81.92	ng	-0.05
78) Terphenyl-d14	15.46	244	1638957	86.29	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.57	70	206275	17.55	ng	Qvalue # 78
49) Dimethylphthalate	10.06	163	658986	23.69	ng	98
64) 4,6-Dinitro-2-methylphenol	11.71	198	833	3.67	ng	# 1
70) Phenanthrene	12.85	178	275150	7.73	ng	98
71) Anthracene	12.85	178	275150	7.58	ng	98
74) Fluoranthene	14.77	202	384596	10.90	ng	99
77) Pyrene	15.13	202	337990	10.69	ng	96
80) Benzo(a)anthracene	17.00	228	175478	7.10	ng	99
82) Chrysene	17.05	228	143574	5.83	ng	96
85) Indeno(1,2,3-cd)pyrene	19.88	276	66875	3.17	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	211871	9.74	ng	# 98
88) Benzo(k)fluoranthene	18.27	252	211871	9.51	ng	97
89) Benzo(a)pyrene	18.59	252	119026	5.63	ng	98
91) Benzo(g,h,i)perylene	20.24	276	60649	2.96	ng	98

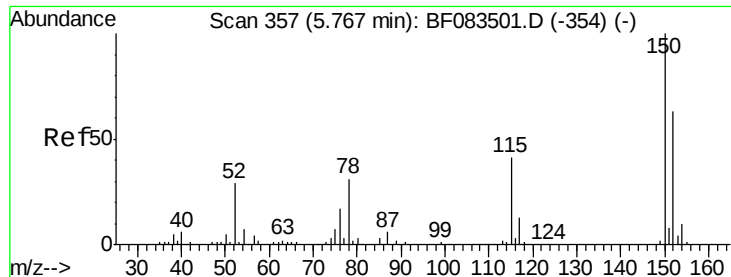
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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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: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :

BNA_G

ClientSampleId :

S16-15.5

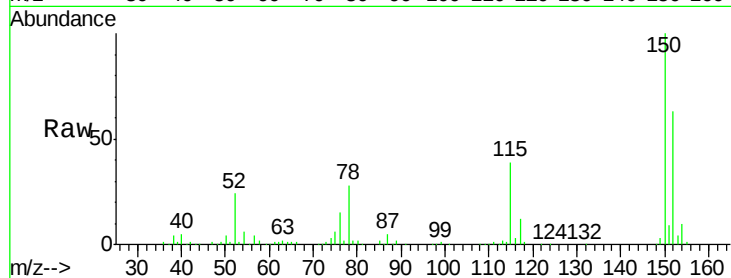
Tgt Ion:152 Resp: 194046

Ion Ratio Lower Upper

152 100

150 158.6 126.5 189.7

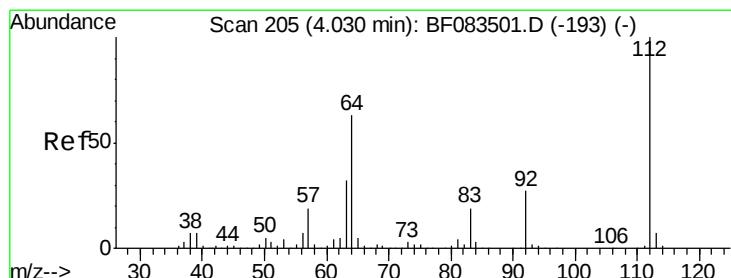
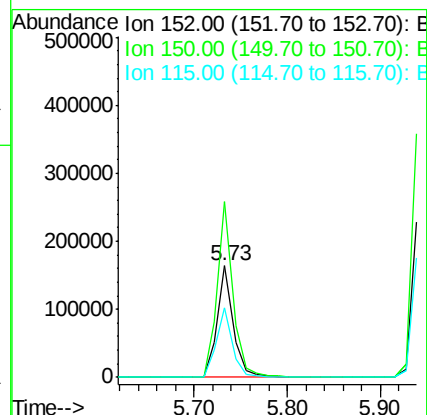
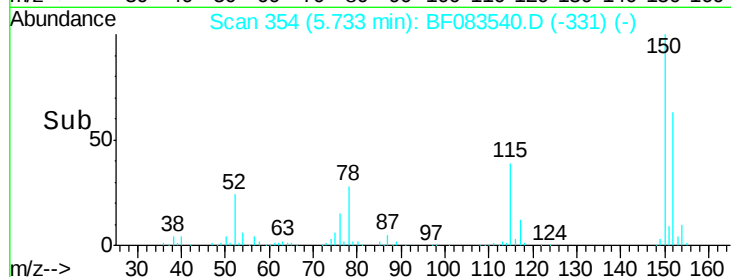
115 62.6 52.3 78.5



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: 133.49 ng

RT: 4.02 min Scan# 204

Delta R.T. -0.01 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

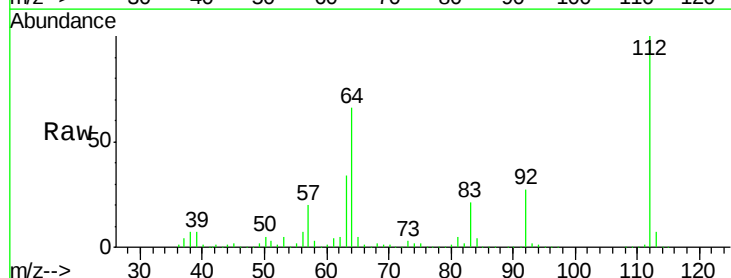
Tgt Ion:112 Resp: 1707368

Ion Ratio Lower Upper

112 100

64 66.4 50.5 75.7

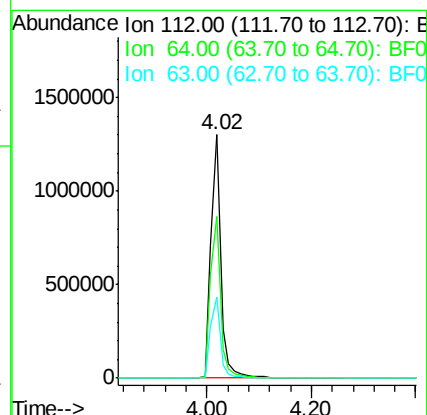
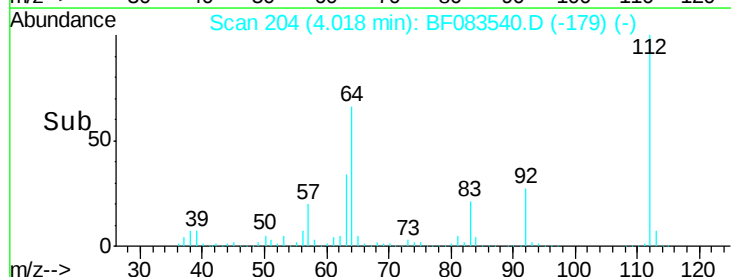
63 33.5 25.8 38.6

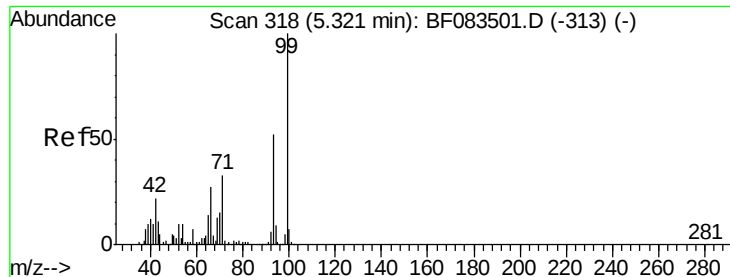


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.17 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :

BNA_G

ClientSampleId :

S16-15.5

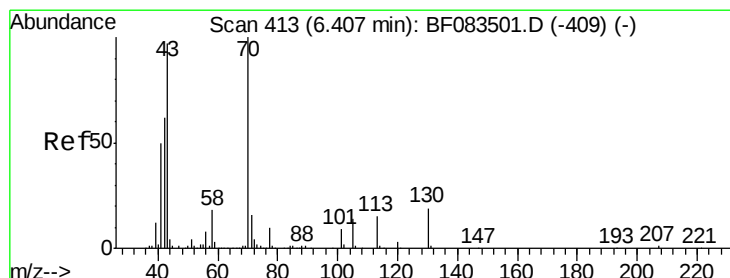
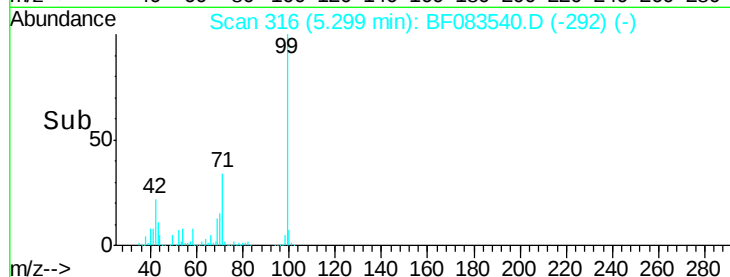
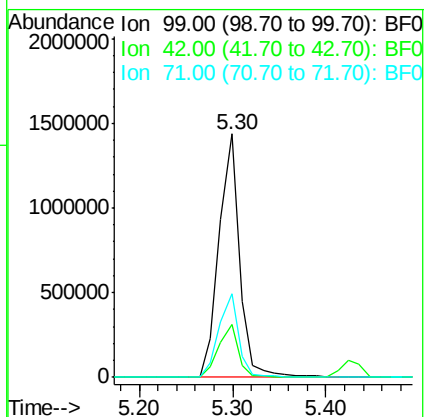
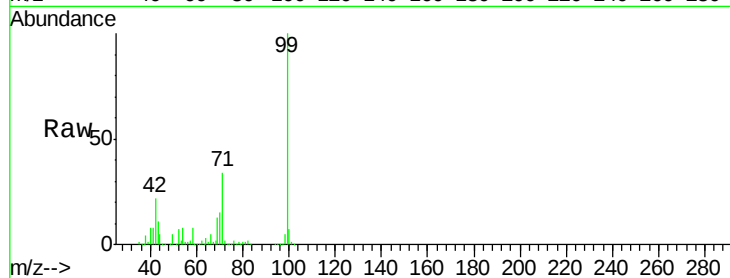
Tgt Ion: 99 Resp: 2223492

Ion Ratio Lower Upper

99 100

42 21.6 17.3 25.9

71 34.2 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.55 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.16 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Tgt Ion: 70 Resp: 206275

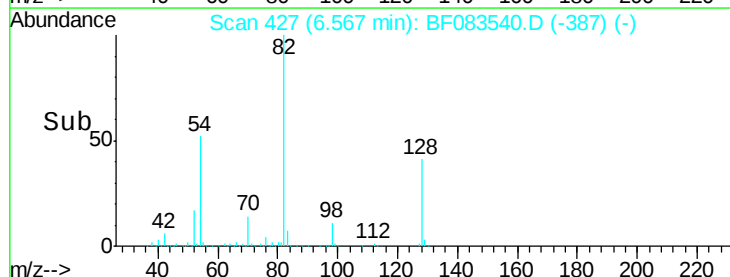
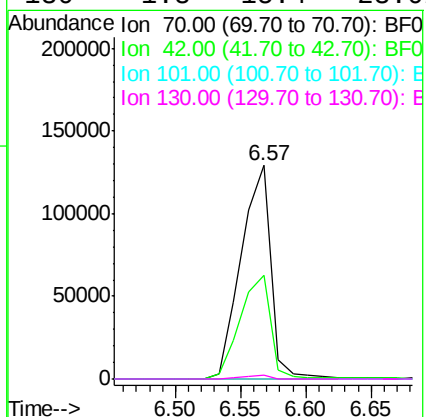
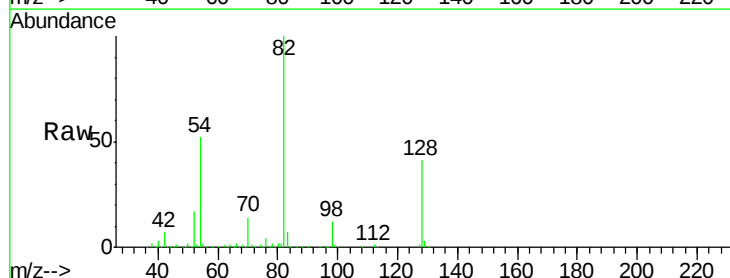
Ion Ratio Lower Upper

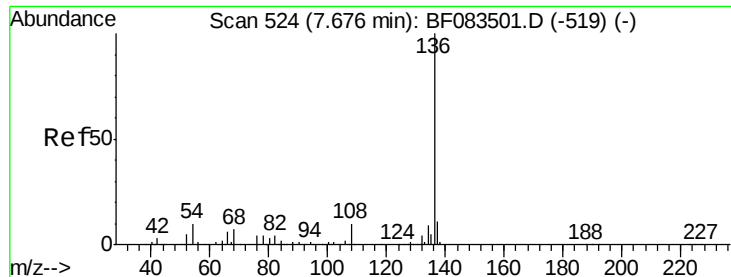
70 100

42 48.5 49.2 73.8#

101 0.0 7.1 10.7#

130 1.8 15.4 23.0#

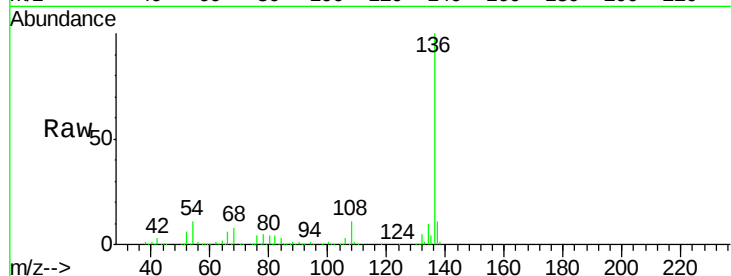




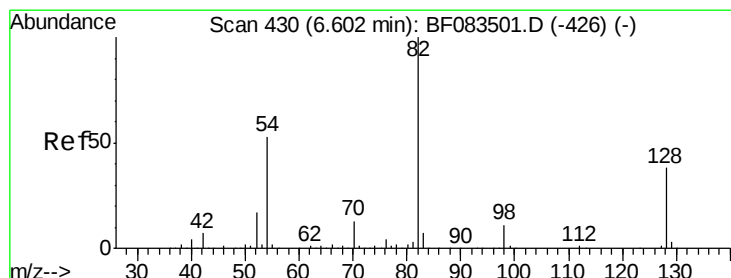
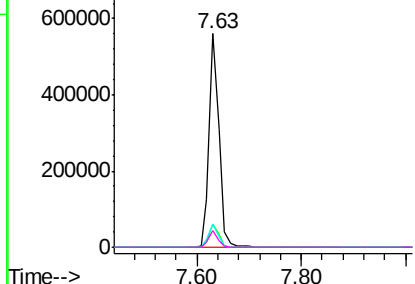
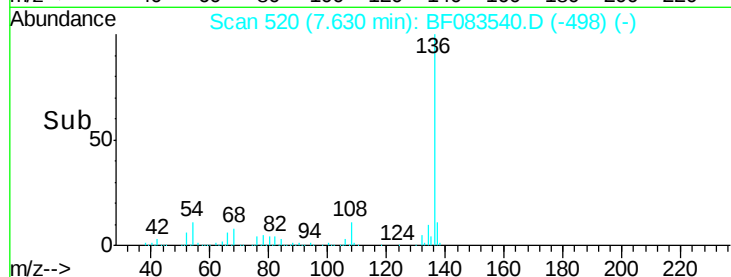
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Instrument :
BNA_G
ClientSampleId :
S16-15.5

Tgt Ion:	136	Resp:	730146
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.9	7.8	11.6
68	7.7	5.7	8.5

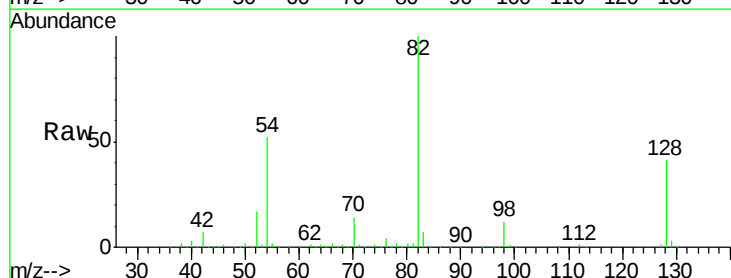


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

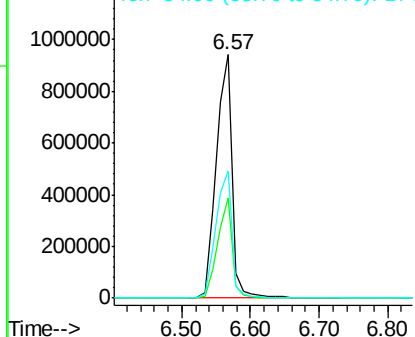
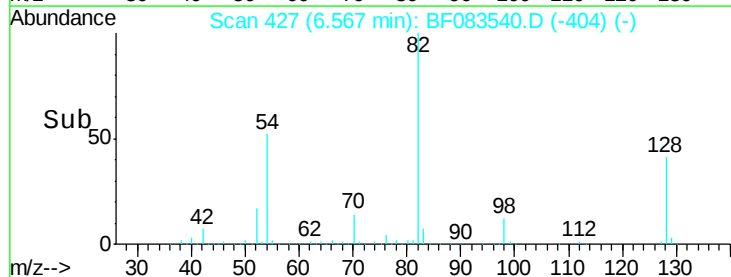


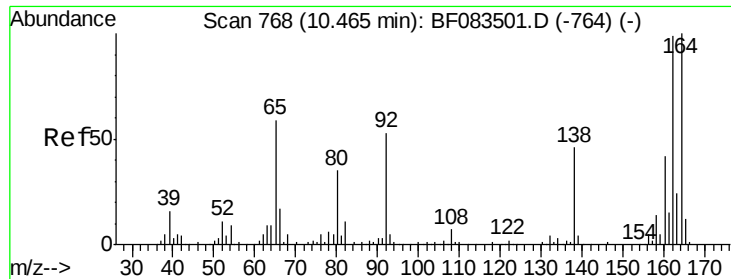
#23
Nitrobenzene-d5
Concen: 98.64 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:	82	Resp:	1540816
Ion	Ratio	Lower	Upper
82	100		
128	41.0	30.7	46.1
54	52.3	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

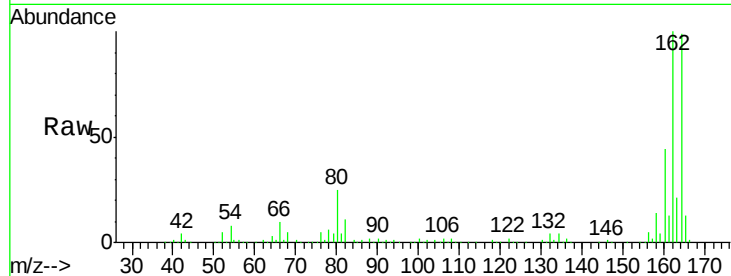




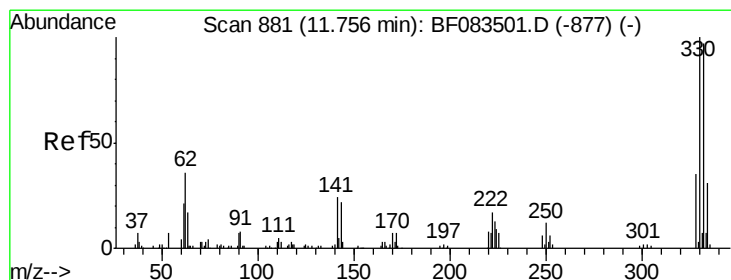
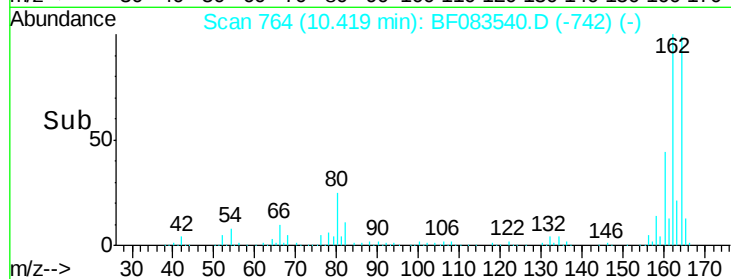
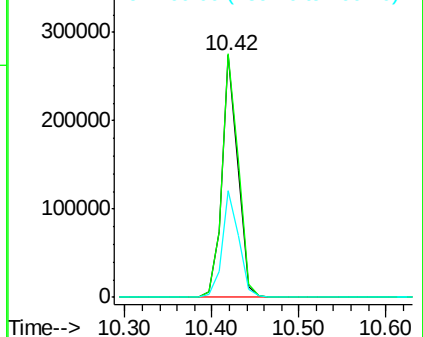
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF083540.D
 Acq: 7 Dec 2015 3:17

Instrument :
 BNA_G
 ClientSampleId :
 S16-15.5

Tgt Ion:164 Resp: 353371
 Ion Ratio Lower Upper
 164 100
 162 100.7 78.8 118.2
 160 43.9 33.4 50.2

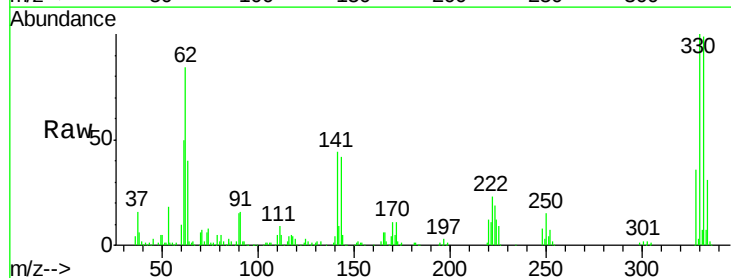


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

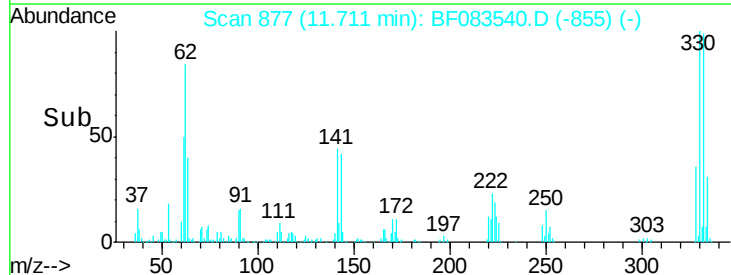
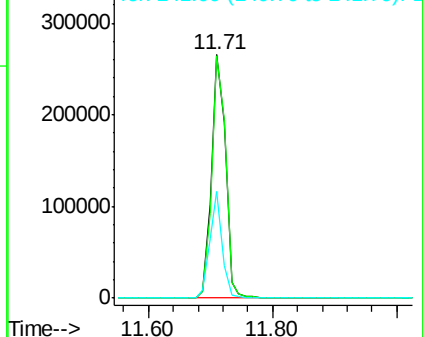


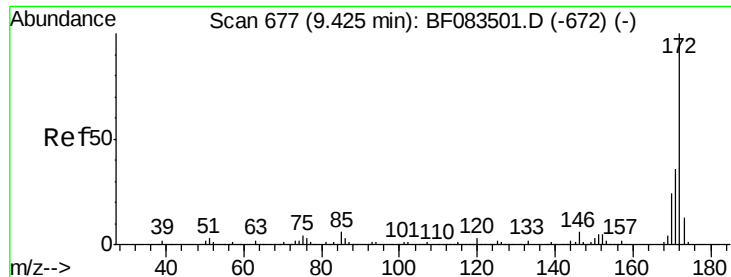
#41
 2,4,6-Tribromophenol
 Concen: 126.34 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083540.D
 Acq: 7 Dec 2015 3:17

Tgt Ion:330 Resp: 411817
 Ion Ratio Lower Upper
 330 100
 332 98.3 0.0 0.0#
 141 39.0 0.0 0.0#



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

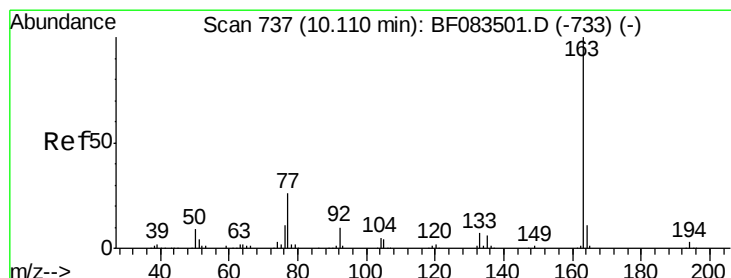
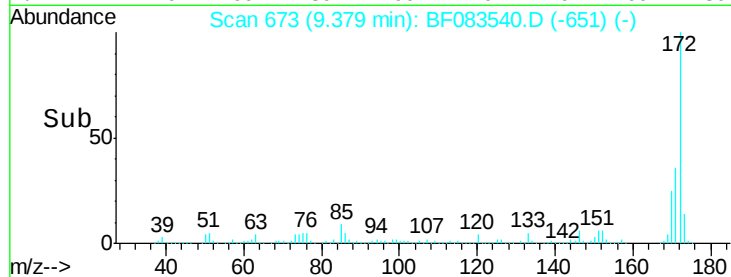
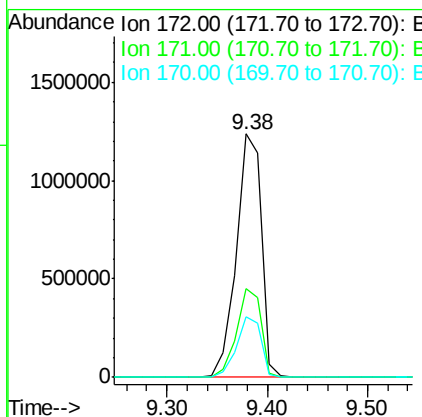
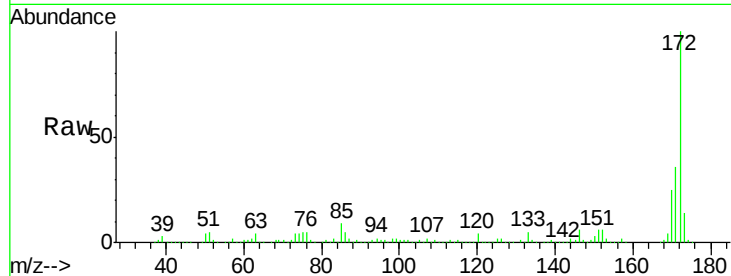




#44
2-Fluorobiphenyl
Concen: 81.92 ng
RT: 9.38 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

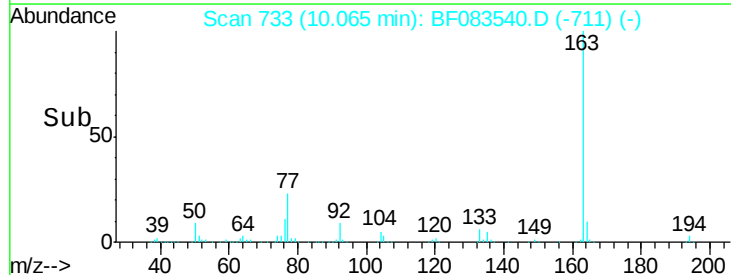
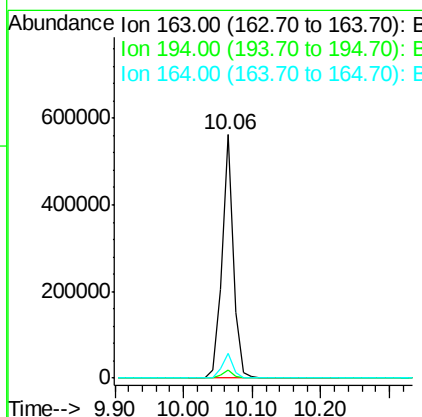
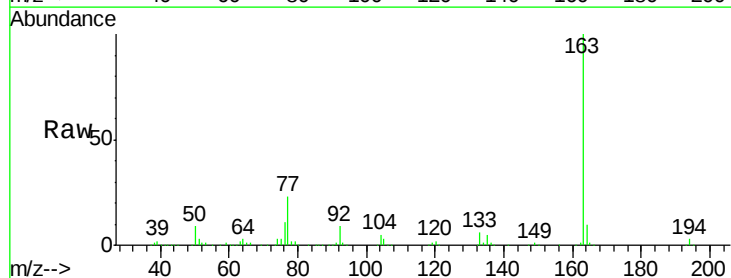
Instrument :
BNA_G
ClientSampleId :
S16-15.5

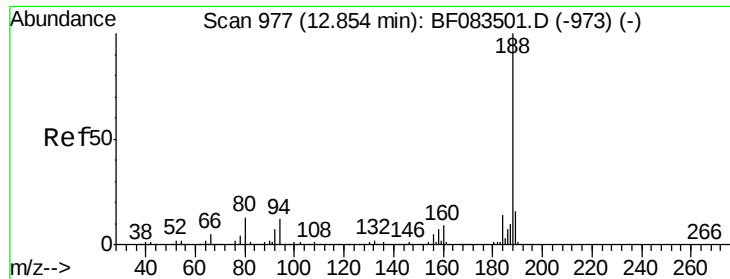
Tgt Ion:172 Resp: 2134198
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 24.9 19.4 29.0



#49
Dimethylphthalate
Concen: 23.69 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:163 Resp: 658986
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.1 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: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :

BNA_G

ClientSampleId :

S16-15.5

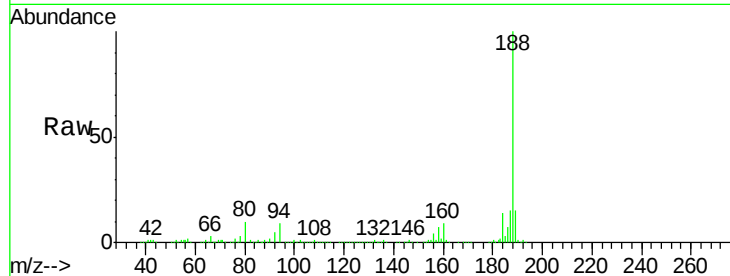
Tgt Ion:188 Resp: 611625

Ion Ratio Lower Upper

188 100

94 9.3 9.4 14.2#

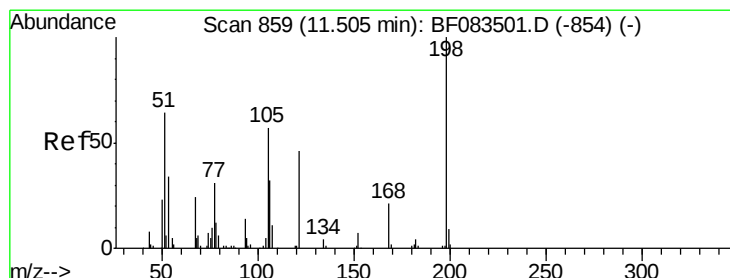
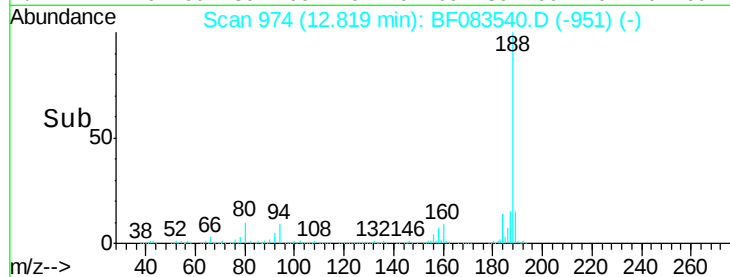
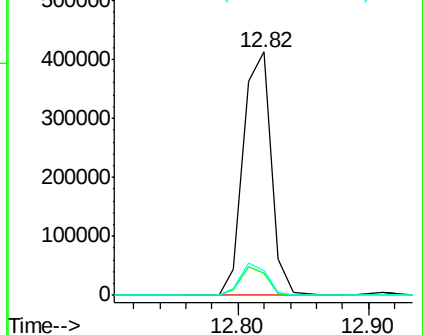
80 10.2 10.6 16.0#



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: 3.67 ng

RT: 11.71 min Scan# 877

Delta R.T. 0.21 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

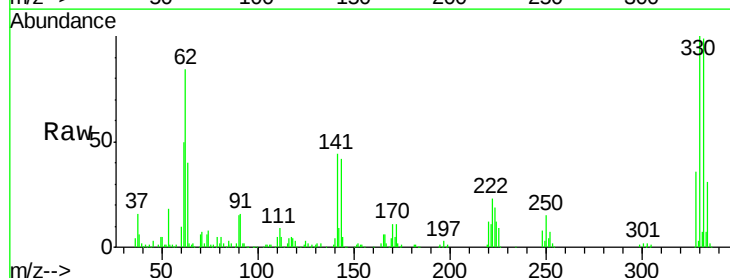
Tgt Ion:198 Resp: 833

Ion Ratio Lower Upper

198 100

51 219.5 53.8 93.8#

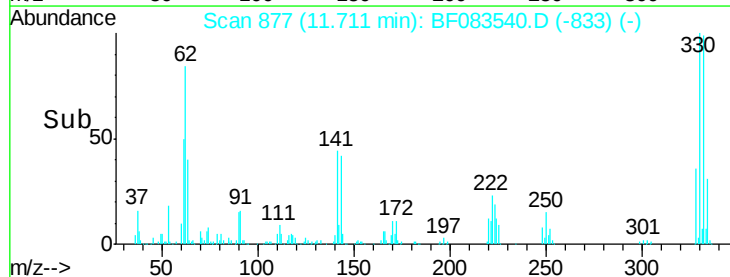
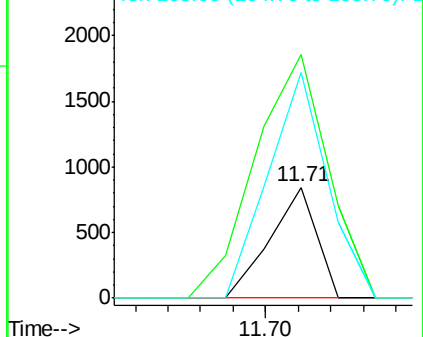
105 203.7 38.6 78.6#

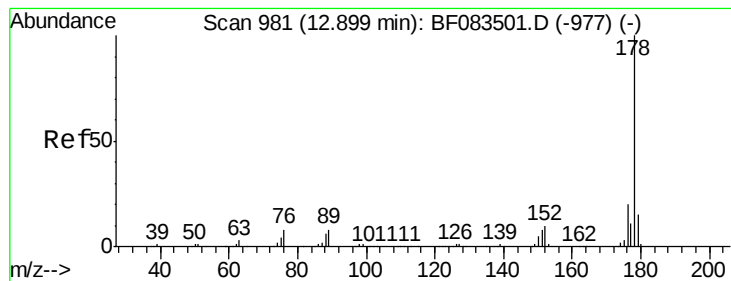


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 7.73 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :

BNA_G

ClientSampleId :

S16-15.5

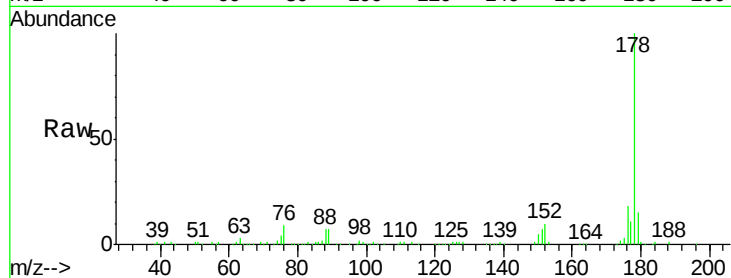
Tgt Ion:178 Resp: 275150

Ion Ratio Lower Upper

178 100

176 18.0 15.7 23.5

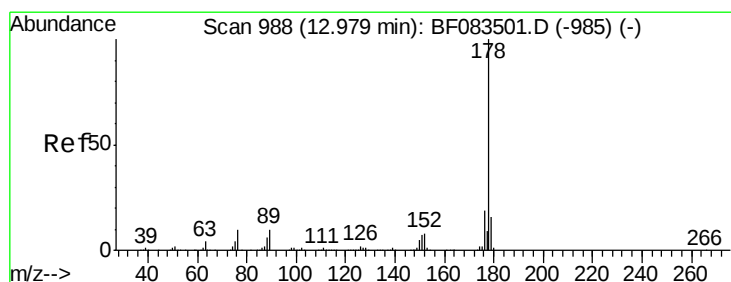
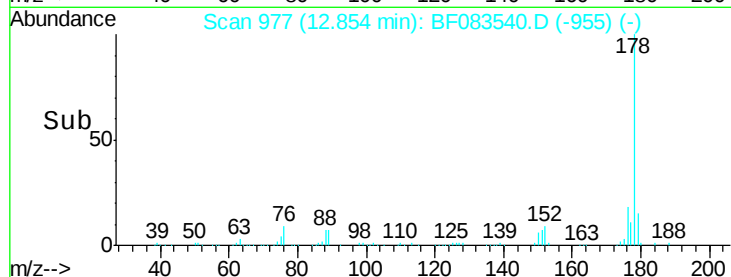
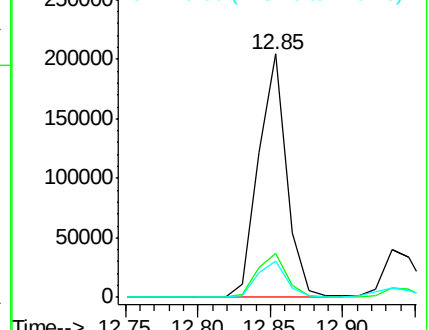
179 15.0 12.2 18.4



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: 7.58 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.13 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

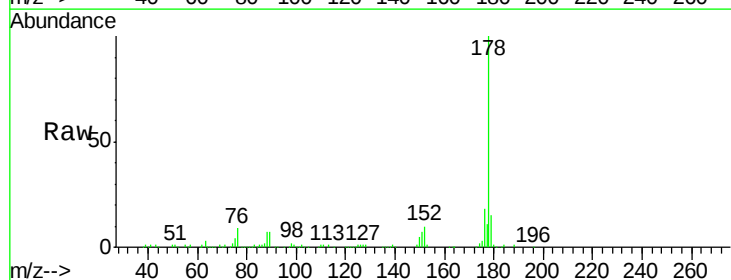
Tgt Ion:178 Resp: 275150

Ion Ratio Lower Upper

178 100

176 18.0 15.2 22.8

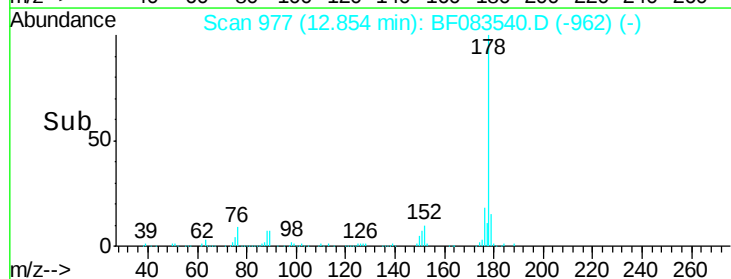
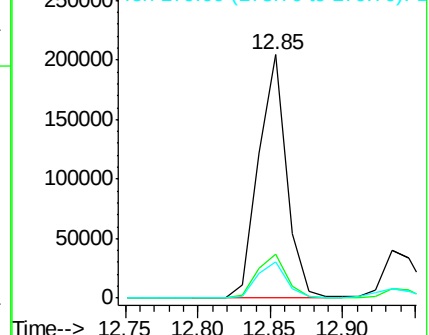
179 15.0 12.6 18.8

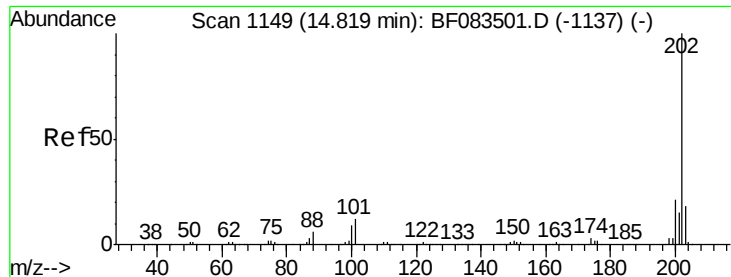


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

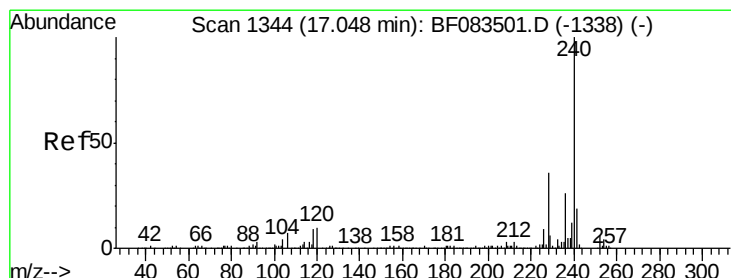
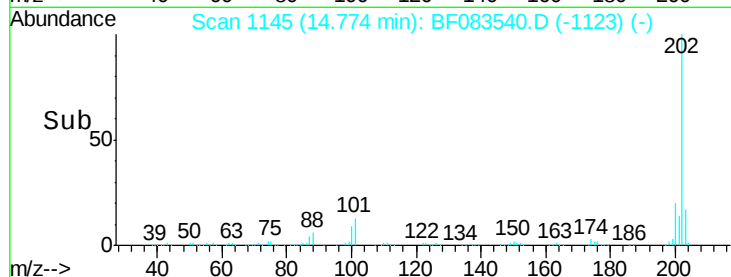
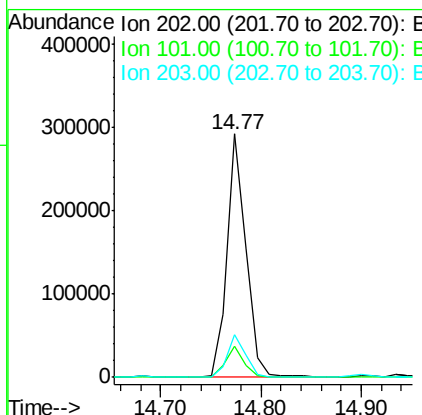
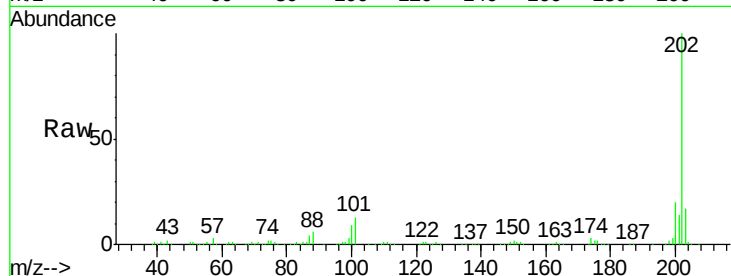




#74
Fluoranthene
Concen: 10.90 ng
RT: 14.77 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

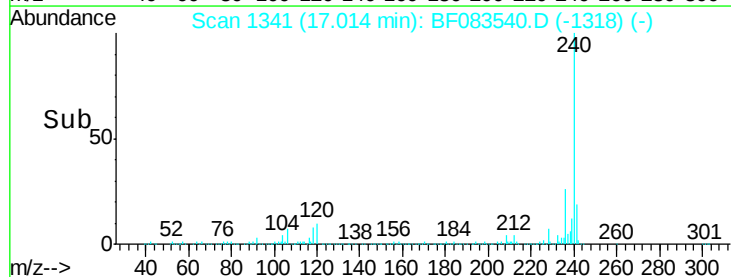
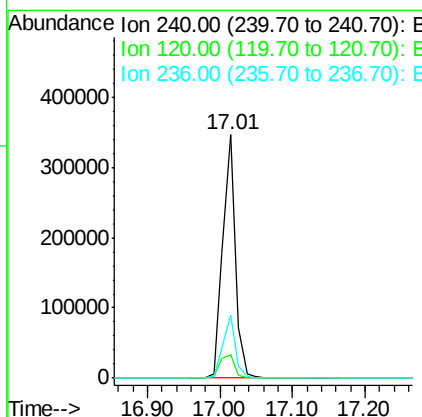
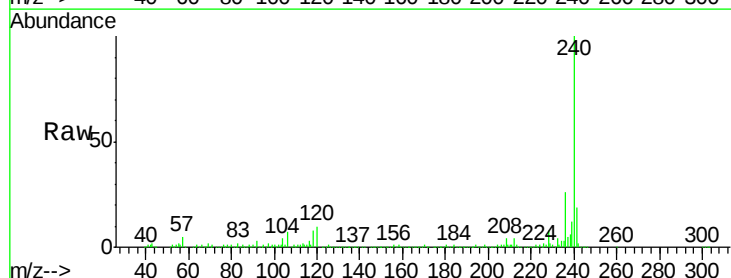
Instrument :
BNA_G
ClientSampleId :
S16-15.5

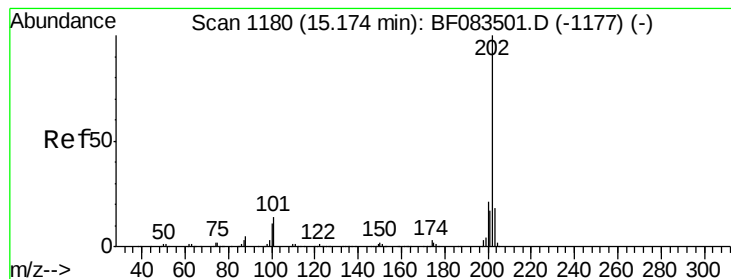
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	384596		
101	12.6		0.0	31.5
203	17.4		0.0	37.6



#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	422644		
120	9.8		8.1	12.1
236	25.8		20.8	31.2





#77

Pyrene

Concen: 10.69 ng

RT: 15.13 min Scan# 1176

Delta R.T. -0.05 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :

BNA_G

ClientSampleId :

S16-15.5

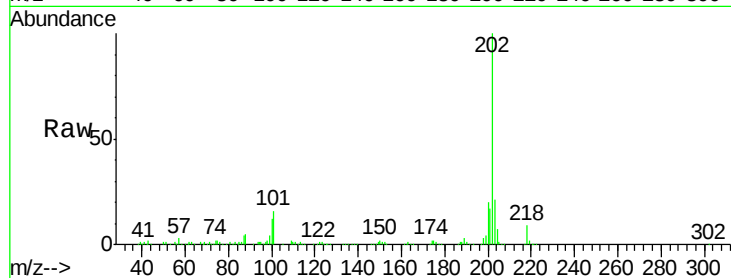
Tgt Ion:202 Resp: 337990

Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

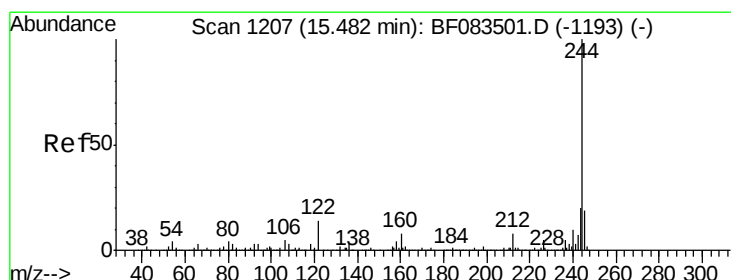
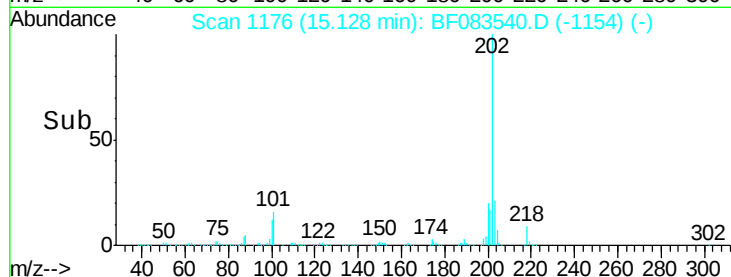
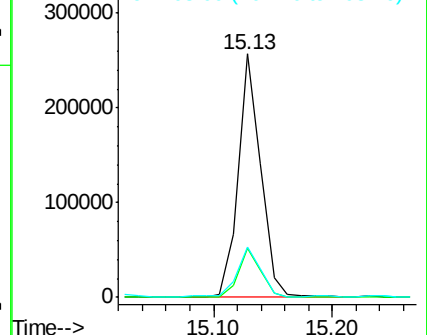
203 20.8 14.3 21.5



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: 86.29 ng

RT: 15.46 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

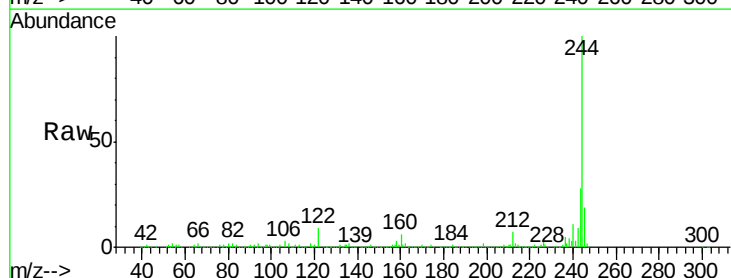
Tgt Ion:244 Resp: 1638957

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

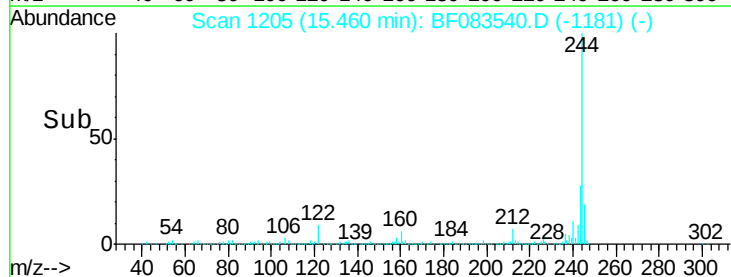
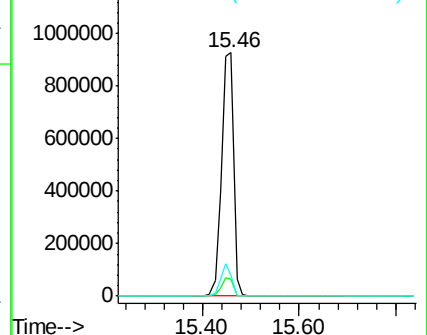
122 8.7 11.0 16.6#

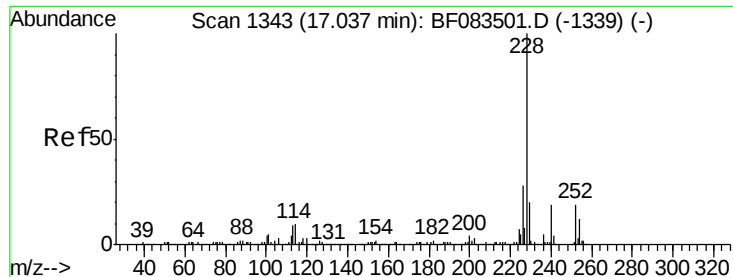


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

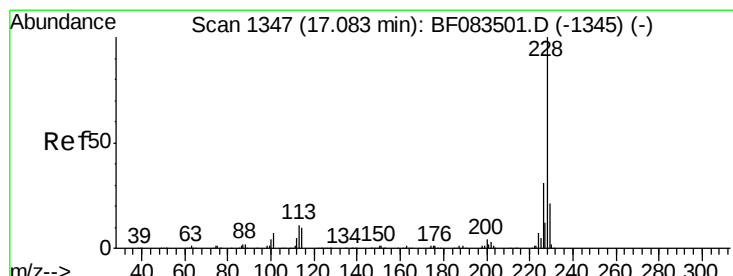
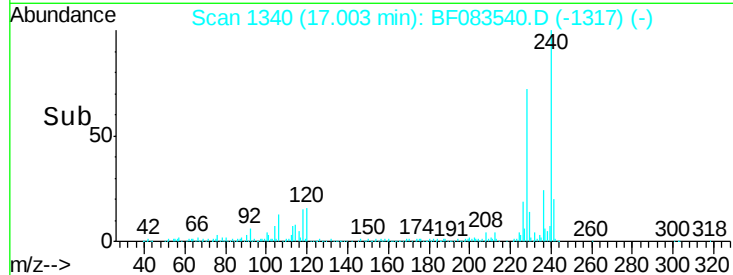
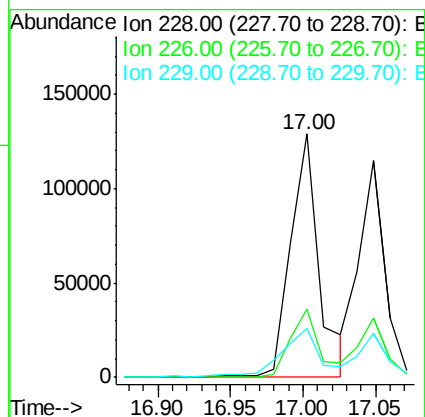
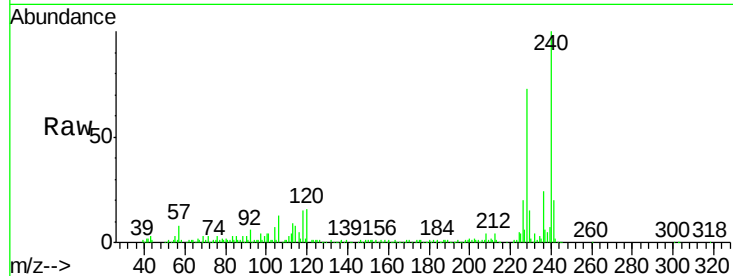




#80
Benzo(a)anthracene
Concen: 7.10 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

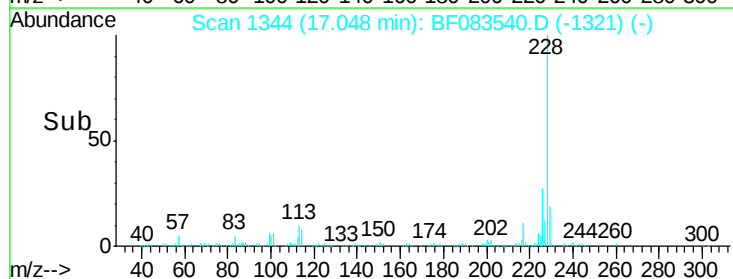
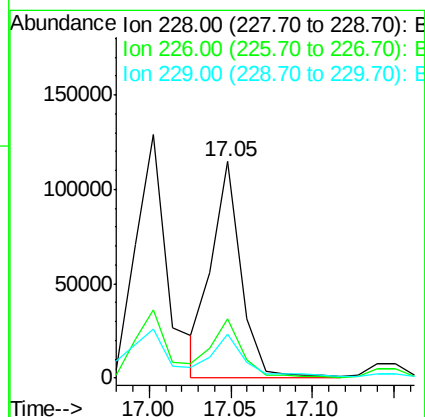
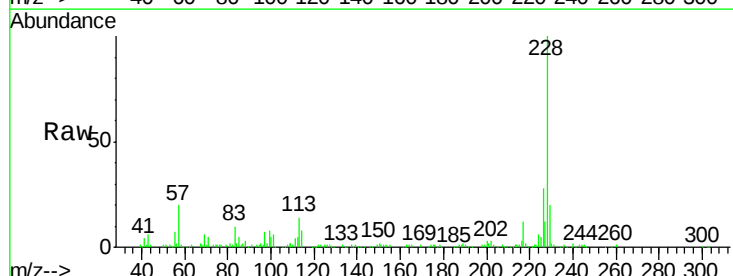
Instrument :
BNA_G
ClientSampleId :
S16-15.5

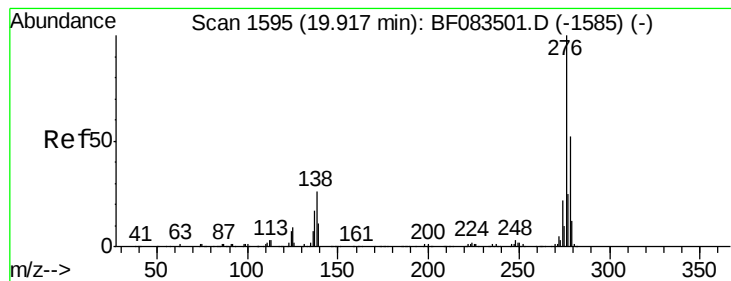
Tgt Ion:228 Resp: 175478
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 20.2 15.7 23.5



#82
Chrysene
Concen: 5.83 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:228 Resp: 143574
Ion Ratio Lower Upper
228 100
226 27.5 24.7 37.1
229 20.4 16.3 24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.17 ng

RT: 19.88 min Scan# 1592

Delta R.T. -0.03 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :

BNA_G

ClientSampleId :

S16-15.5

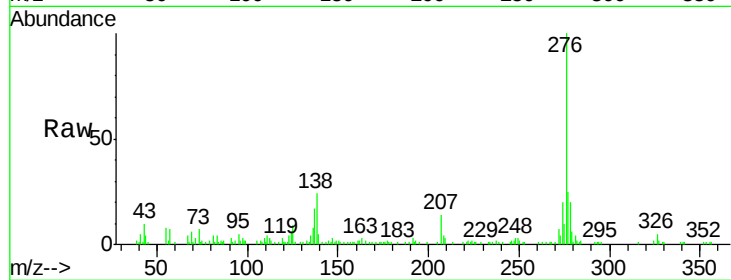
Tgt Ion:276 Resp: 66875

Ion Ratio Lower Upper

276 100

138 21.1 0.0 0.0#

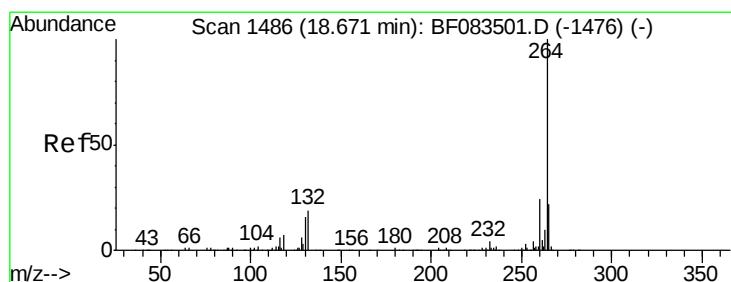
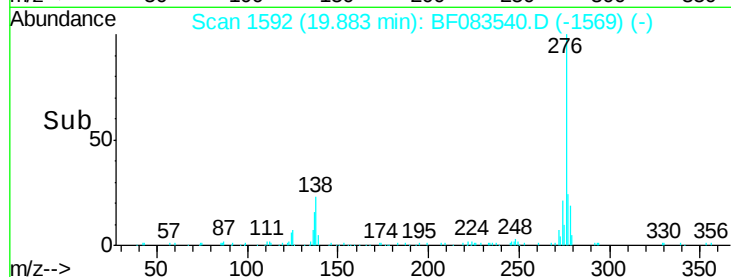
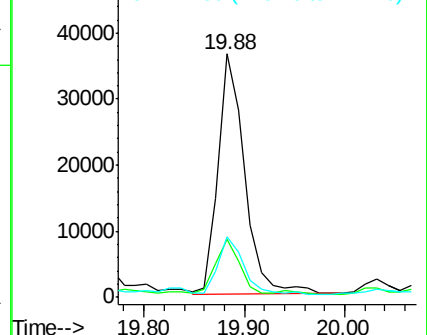
277 24.0 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.65 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

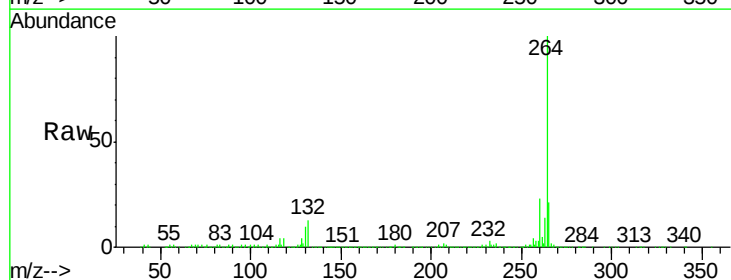
Tgt Ion:264 Resp: 387151

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

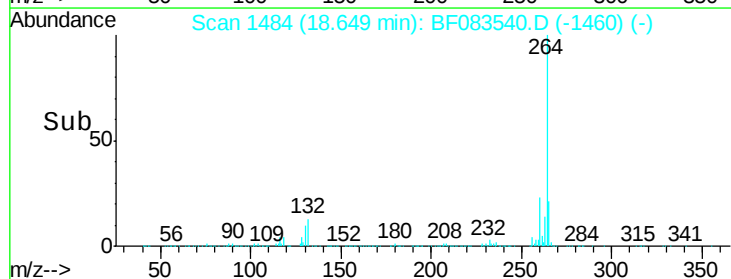
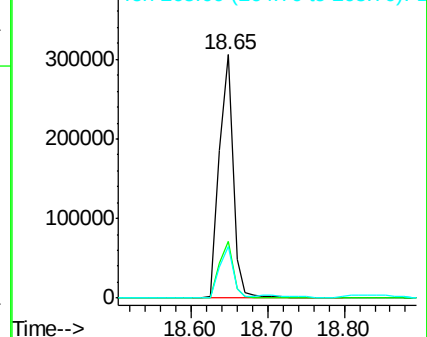
265 21.0 17.8 26.6

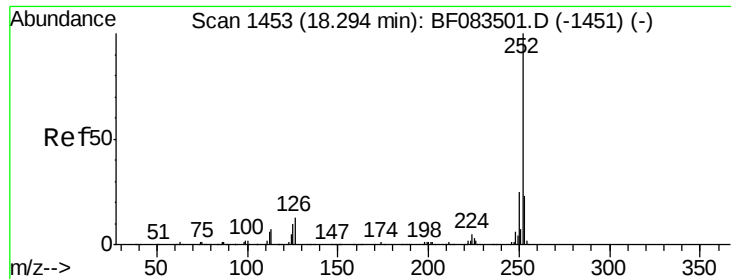


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.74 ng

RT: 18.27 min Scan# 1451

Delta R.T. -0.02 min

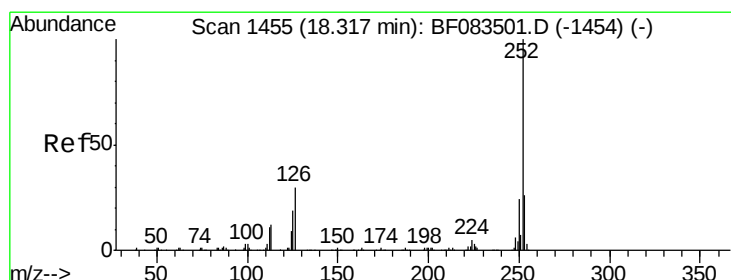
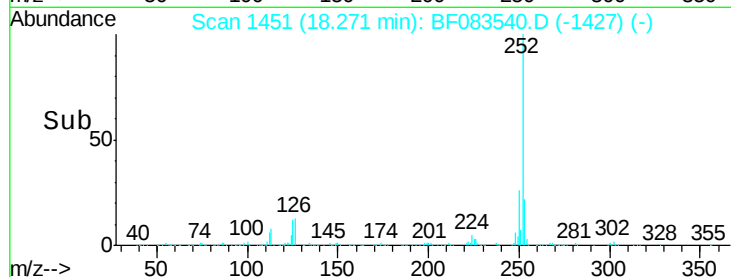
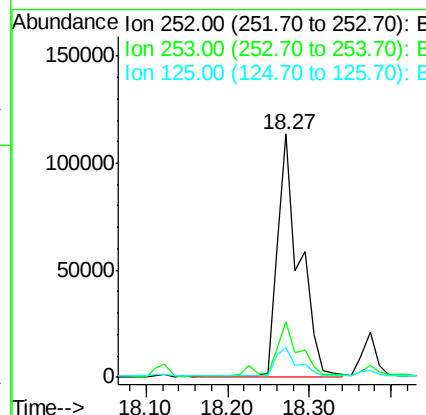
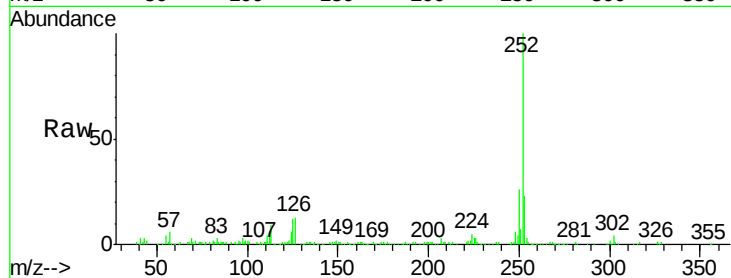
Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Instrument :
BNA_G
ClientSampleId :
S16-15.5

Tgt Ion:252 Resp: 211871

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.4	8.2	12.4#



#88

Benzo(k)fluoranthene

Concen: 9.51 ng

RT: 18.27 min Scan# 1451

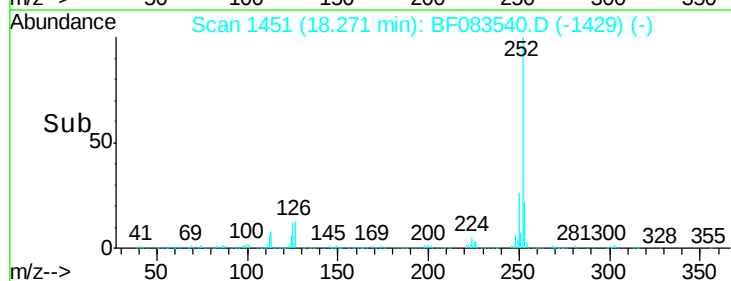
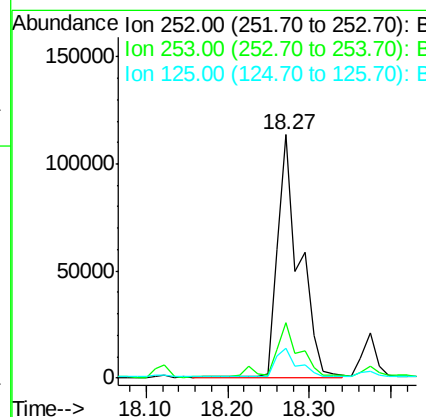
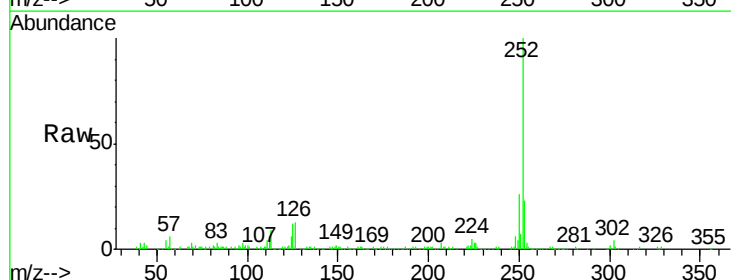
Delta R.T. -0.05 min

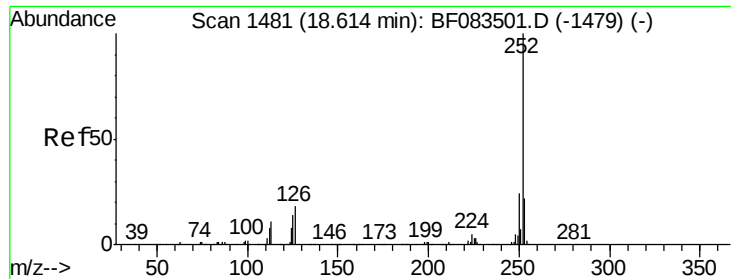
Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Tgt Ion:252 Resp: 211871

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	27.8
125	12.4	11.5	17.3





#89

Benzo(a)pyrene

Concen: 5.63 ng

RT: 18.59 min Scan# 1479

Delta R.T. -0.02 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

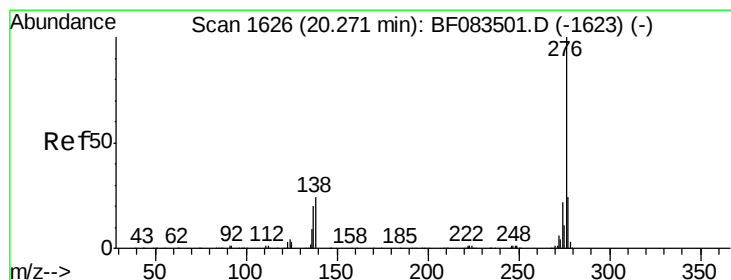
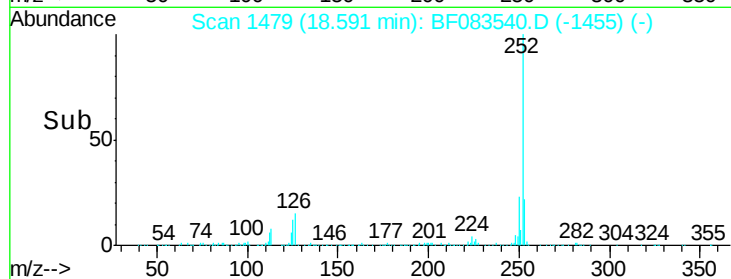
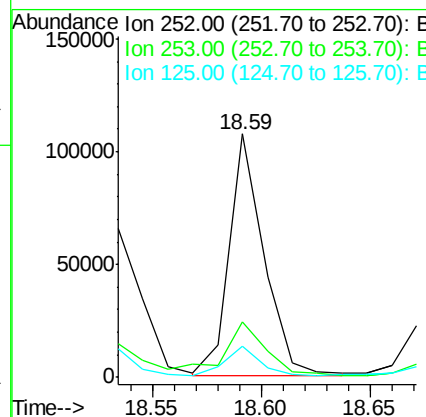
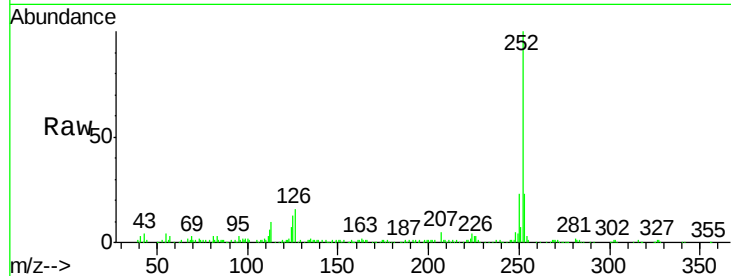
Instrument :

BNA_G

ClientSampleId :

S16-15.5

Tgt Ion:	252	Resp:	119026
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	12.6	11.0	16.6



#91

Benzo(g,h,i)perylene

Concen: 2.96 ng

RT: 20.24 min Scan# 1623

Delta R.T. -0.03 min

Lab File: BF083540.D

Acq: 7 Dec 2015 3:17

Tgt Ion:	276	Resp:	60649
Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.9	19.5	29.3

