

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083539.D
 Acq On : 7 Dec 2015 2:47
 Operator : UM/IZ
 Sample : G4614-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S25-15.5

Quant Time: Dec 07 05:08:43 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

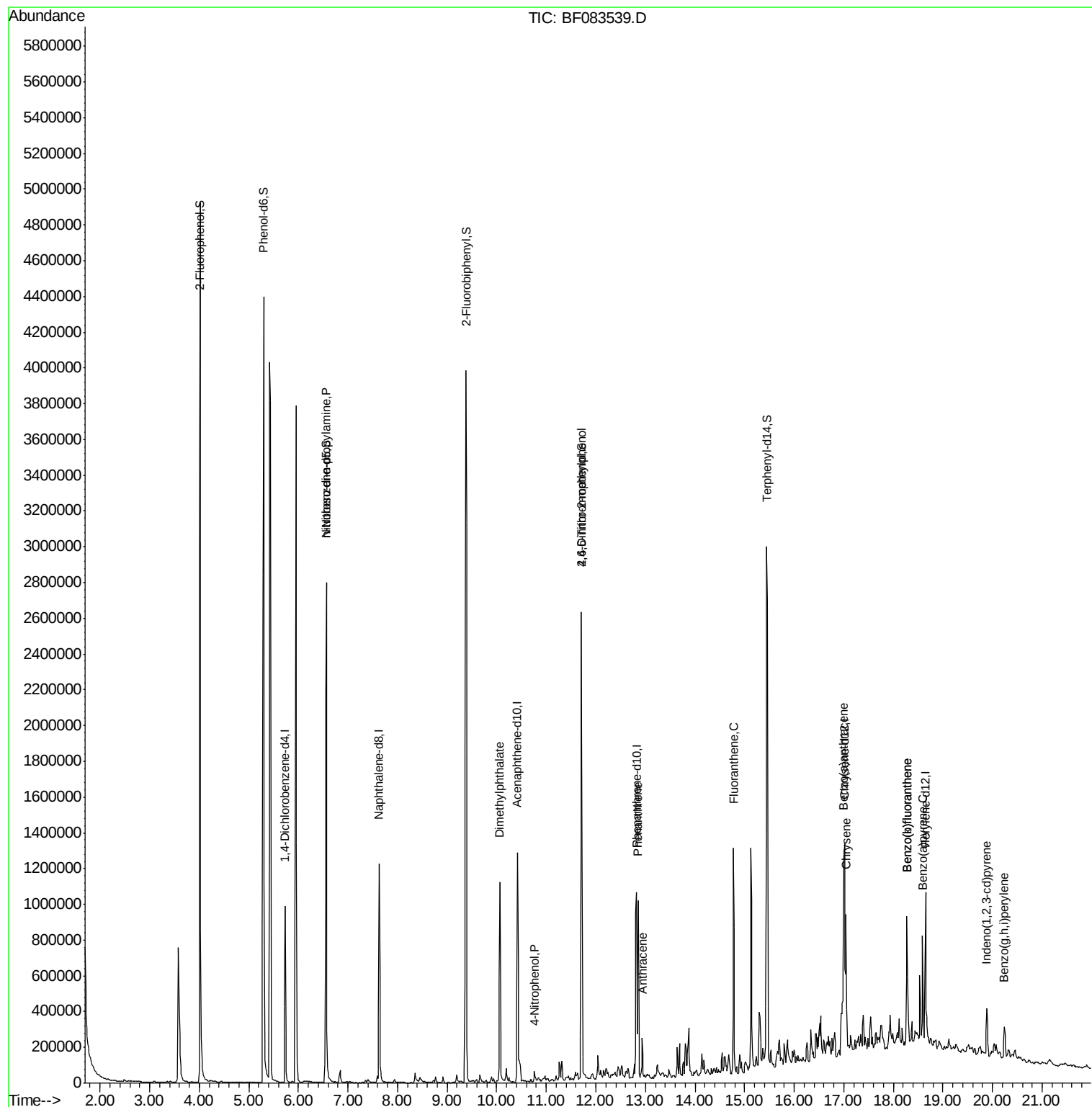
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	193537	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	738758	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	354421	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	610802	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	418373	20.00	ng	-0.03
86) Perylene-d12	18.65	264	389673	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1740448	136.43	ng	-0.01
7) Phenol-d6	5.30	99	2267261	128.99	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1584447	100.25	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	428729	131.13	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2208251	84.51	ng	-0.05
78) Terphenyl-d14	15.45	244	1637080	87.07	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.57	70	212422	18.12	ng	# 78
49) Dimethylphthalate	10.06	163	615194	22.05	ng	98
55) 4-Nitrophenol	10.76	139	13104	3.67	ng	# 5
64) 4,6-Dinitro-2-methylphenol	11.71	198	835	3.67	ng	# 1
70) Phenanthrene	12.85	178	529096	14.88	ng	100
71) Anthracene	12.93	178	126031	3.48	ng	96
74) Fluoranthene	14.77	202	757237	21.49	ng	98
80) Benzo(a)anthracene	17.00	228	394107	16.10	ng	98
82) Chrysene	17.05	228	296911	12.18	ng	98
85) Indeno(1,2,3-cd)pyrene	19.88	276	146626	7.01	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	496974	22.71	ng	98
88) Benzo(k)fluoranthene	18.27	252	496974	22.17	ng	97
89) Benzo(a)pyrene	18.59	252	269222	12.65	ng	97
91) Benzo(g,h,i)perylene	20.24	276	135359	6.56	ng	99

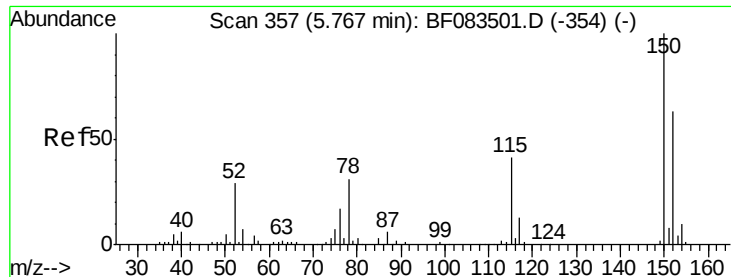
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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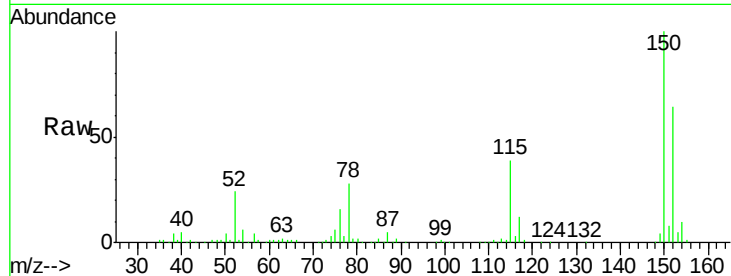


#1

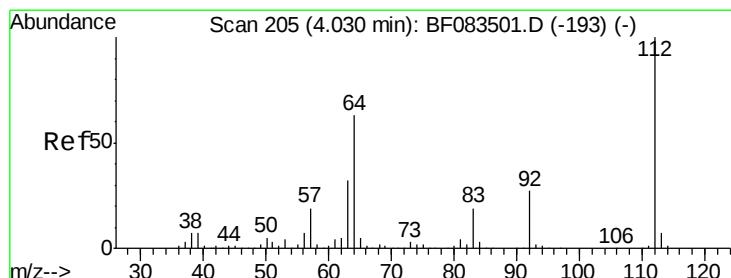
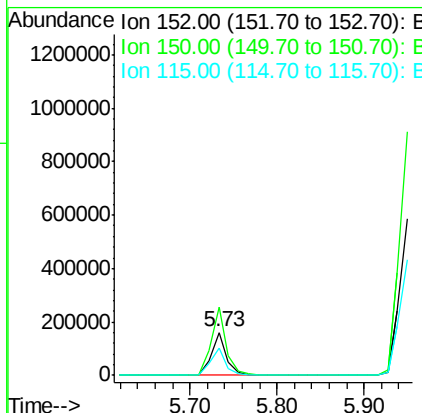
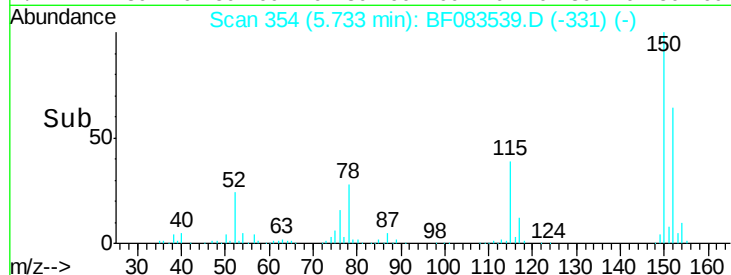
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_G
ClientSampleId :
S25-15.5

Tgt Ion:152 Resp: 193537
Ion Ratio Lower Upper
152 100
150 156.7 126.5 189.7
115 61.9 52.3 78.5



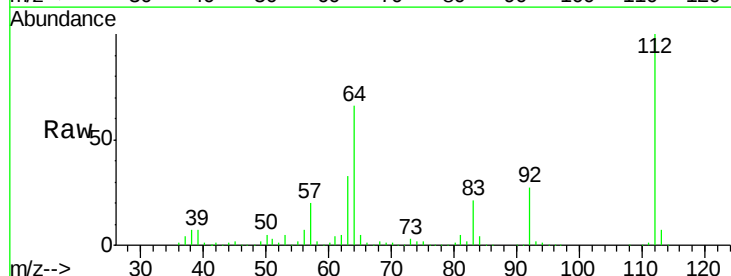
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



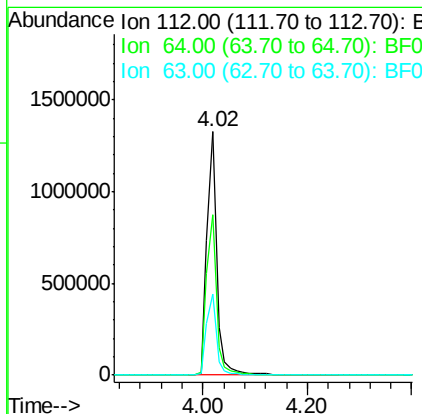
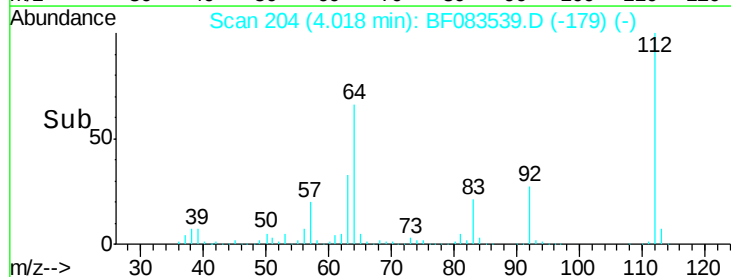
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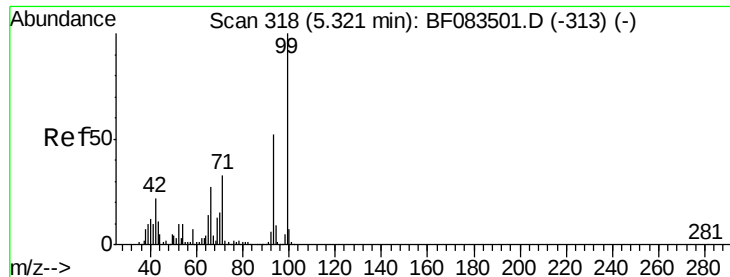
2-Fluorophenol
Concen: 136.43 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion:112 Resp: 1740448
Ion Ratio Lower Upper
112 100
64 66.1 50.5 75.7
63 33.4 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: 128.99 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_G

ClientSampleId :

S25-15.5

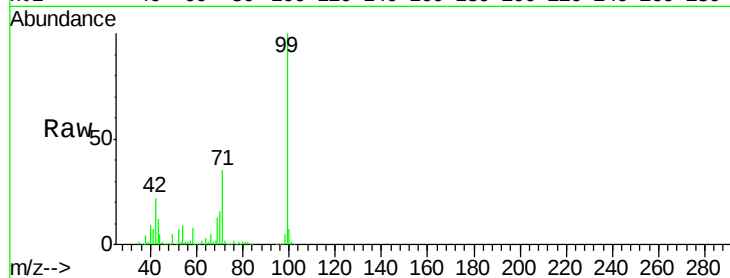
Tgt Ion: 99 Resp: 2267261

Ion Ratio Lower Upper

99 100

42 21.9 17.3 25.9

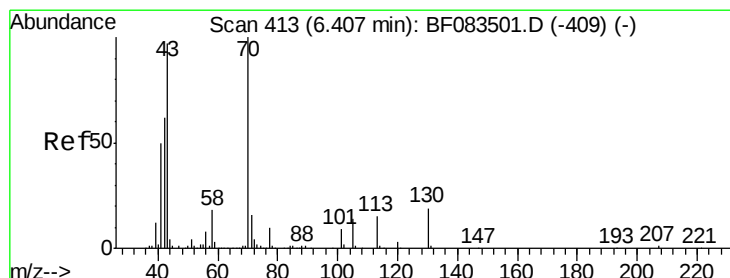
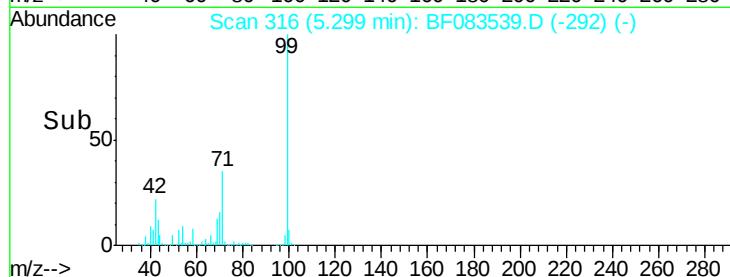
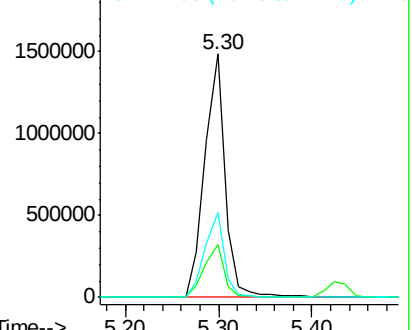
71 34.7 26.6 40.0



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: 18.12 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.16 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Tgt Ion: 70 Resp: 212422

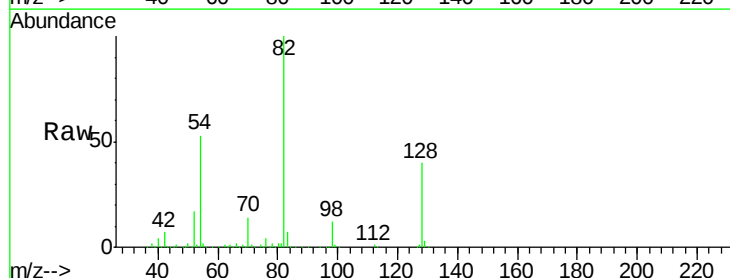
Ion Ratio Lower Upper

70 100

42 49.2 49.2 73.8

101 0.0 7.1 10.7#

130 1.6 15.4 23.0#

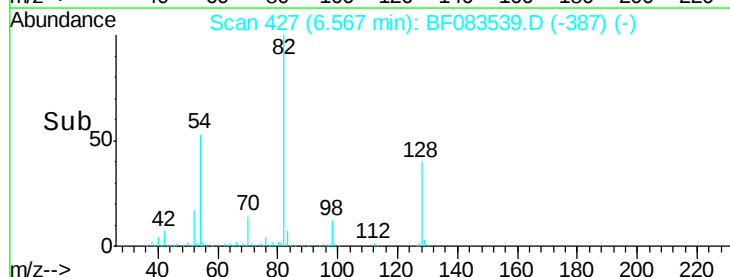
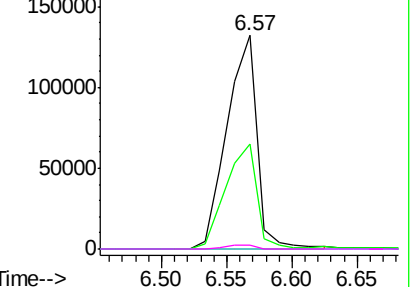


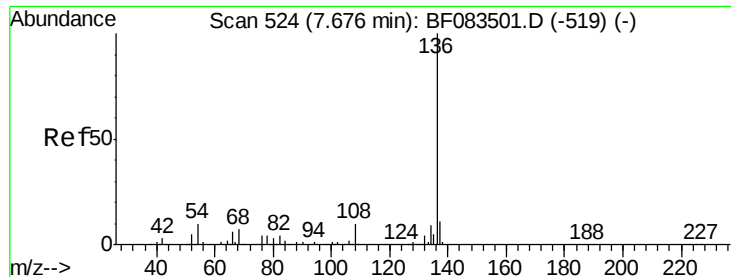
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

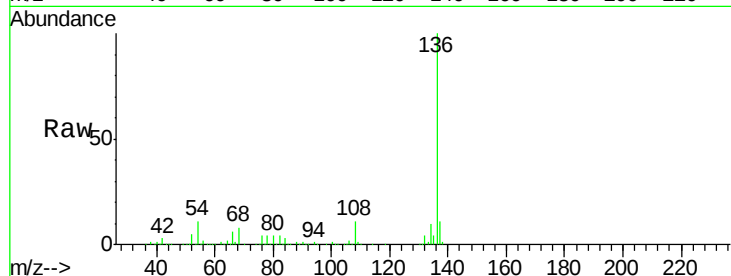




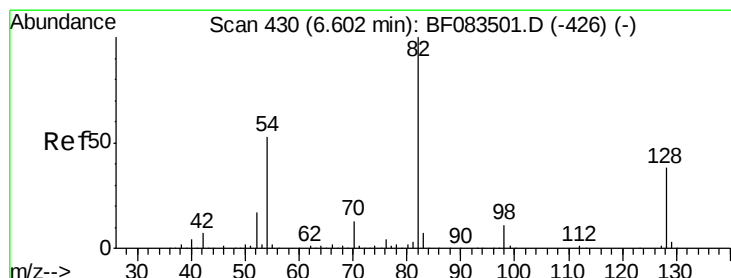
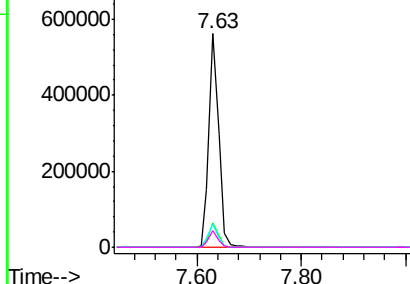
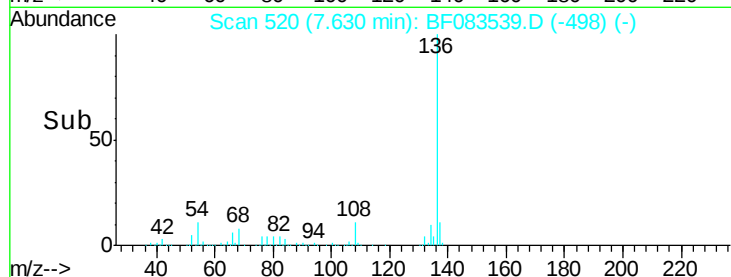
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_G
ClientSampleId :
S25-15.5

Tgt Ion:	136	Resp:	738758
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	11.1	7.8	11.6
68	7.9	5.7	8.5

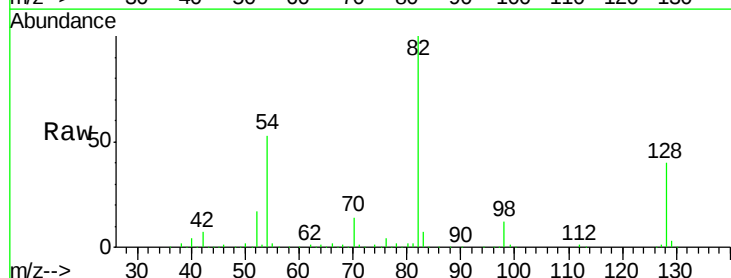


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

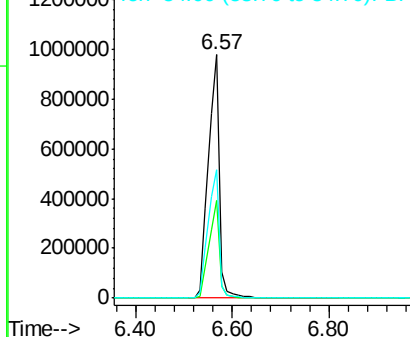
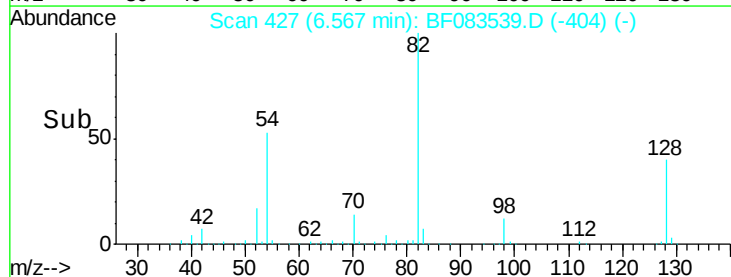


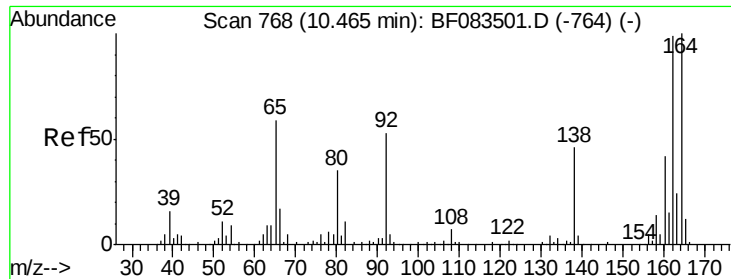
#23
Nitrobenzene-d5
Concen: 100.25 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion:	82	Resp:	1584447
Ion	Ratio	Lower	Upper
82	100		
128	40.4	30.7	46.1
54	52.9	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

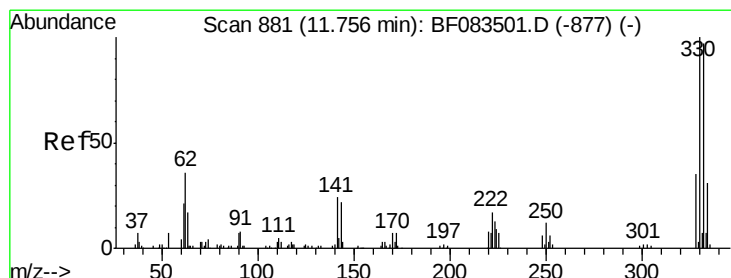
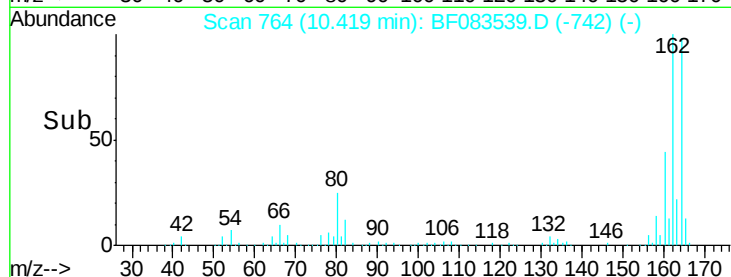
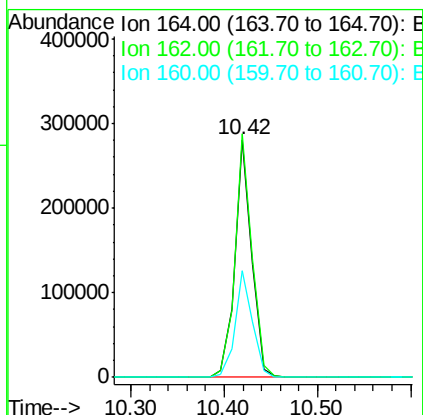
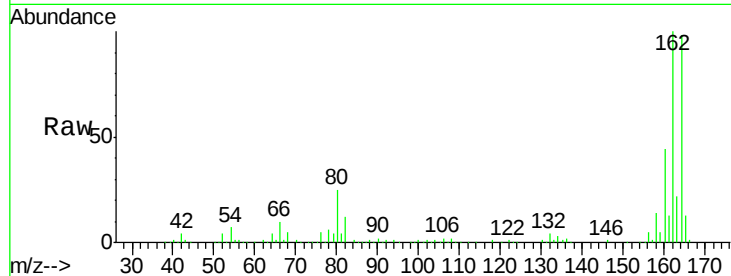




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

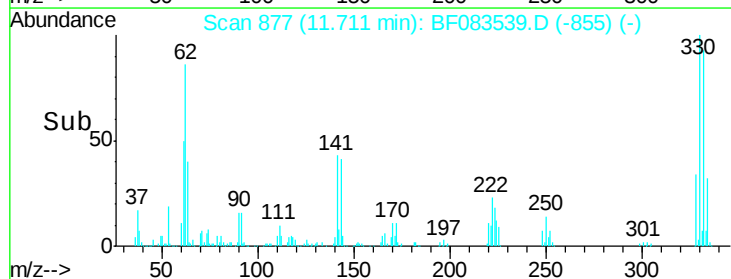
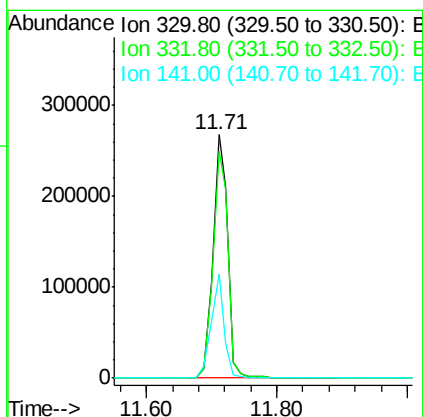
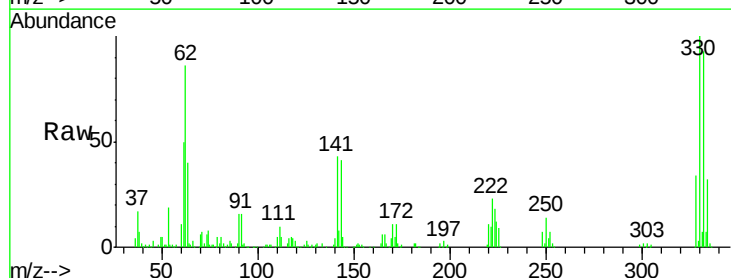
Instrument :
 BNA_G
 ClientSampleId :
 S25-15.5

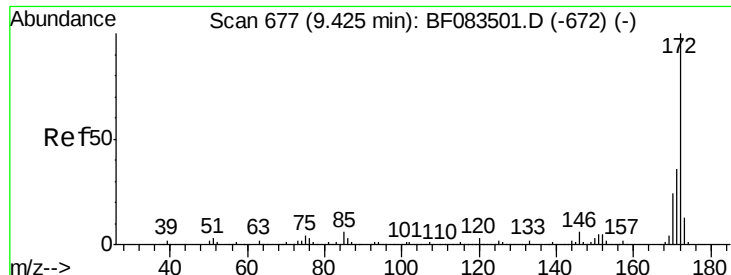
Tgt Ion:164 Resp: 354421
 Ion Ratio Lower Upper
 164 100
 162 102.5 78.8 118.2
 160 44.8 33.4 50.2



#41
 2,4,6-Tribromophenol
 Concen: 131.13 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Tgt Ion:330 Resp: 428729
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 38.1 0.0 0.0#

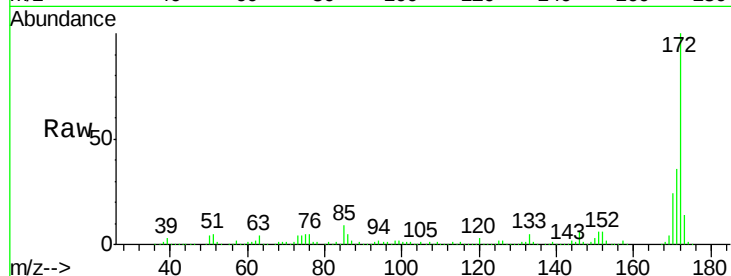




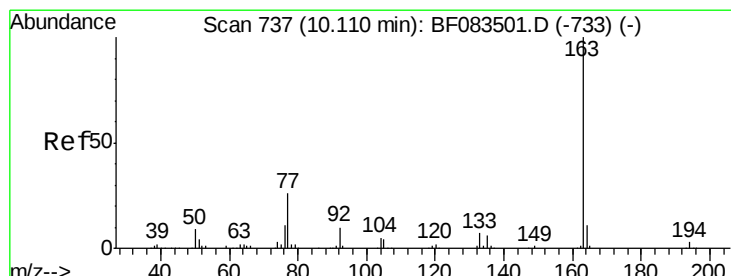
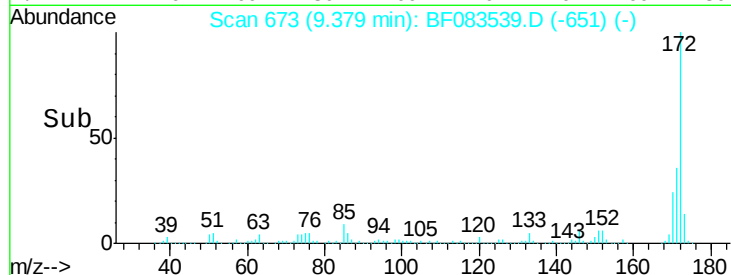
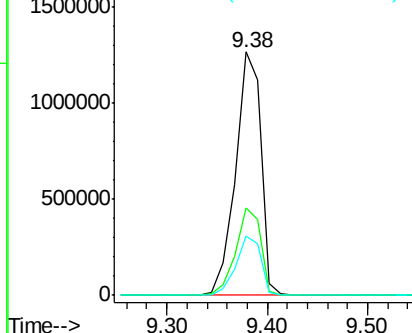
#44
 2-Fluorobiphenyl
 Concen: 84.51 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Instrument :
 BNA_G
 ClientSampleId :
 S25-15.5

Tgt Ion:172 Resp: 2208251
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 42.8
 170 24.2 19.4 29.0

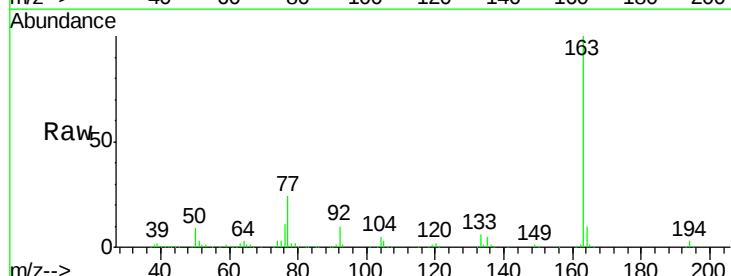


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

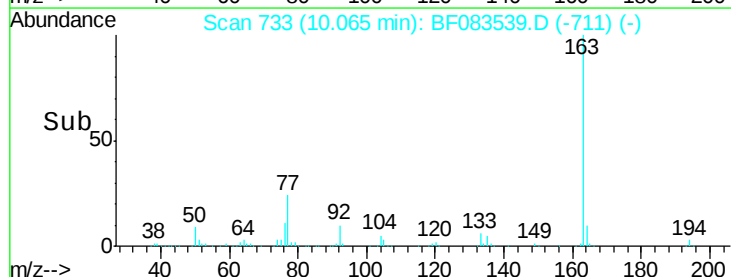
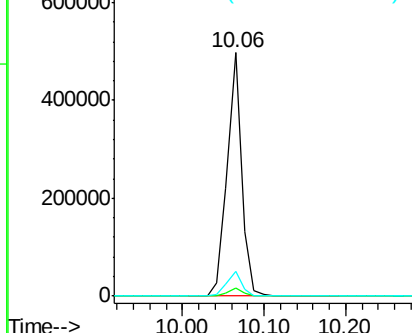


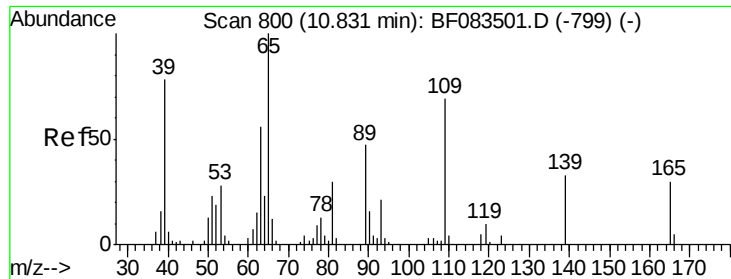
#49
 Dimethylphthalate
 Concen: 22.05 ng
 RT: 10.06 min Scan# 733
 Delta R.T. -0.05 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Tgt Ion:163 Resp: 615194
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 10.0 8.6 13.0



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

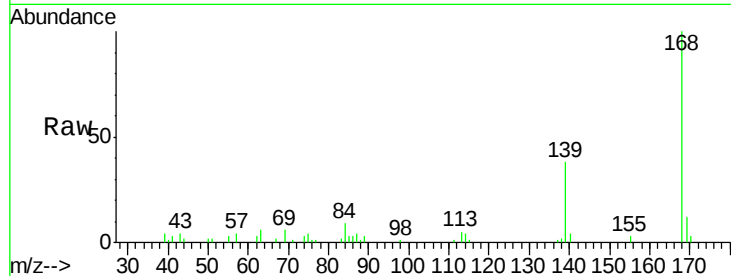




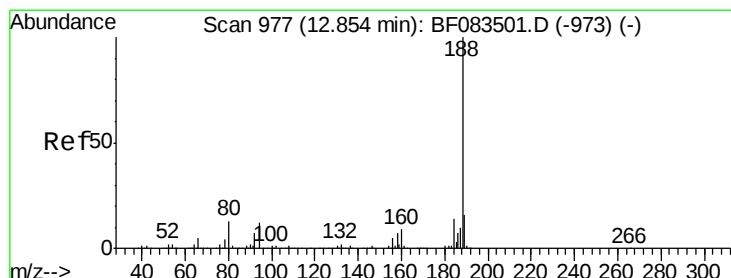
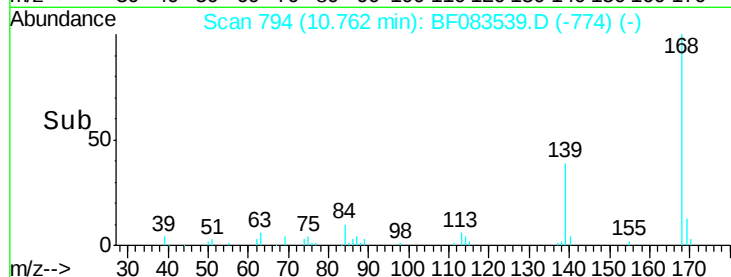
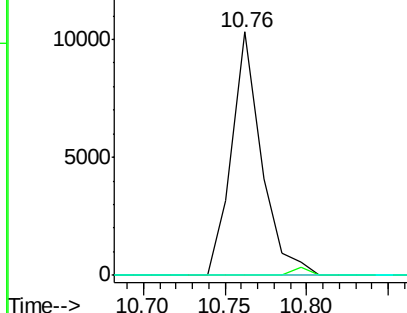
#55
4-Nitrophenol
Concen: 3.67 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Instrument :
BNA_G
ClientSampleId :
S25-15.5

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

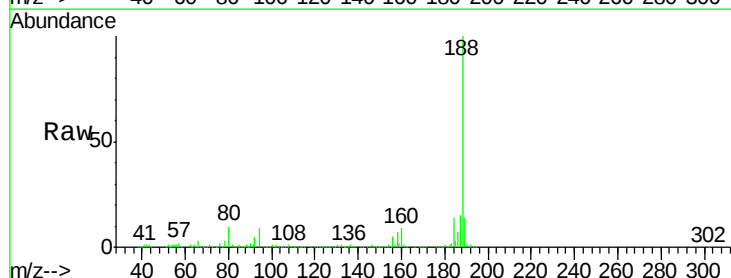


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

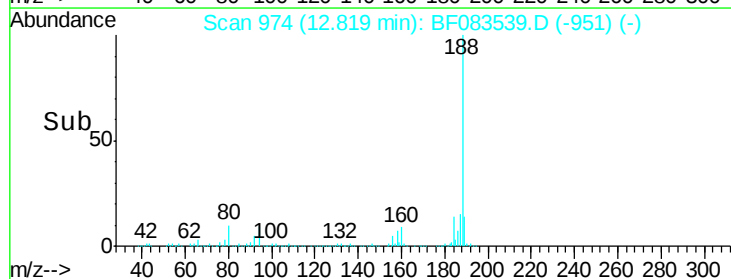
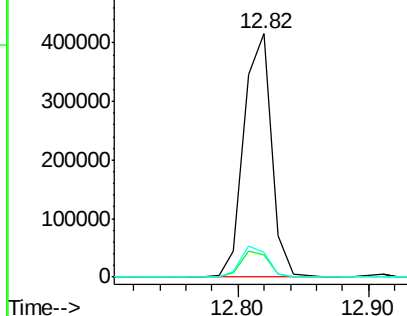


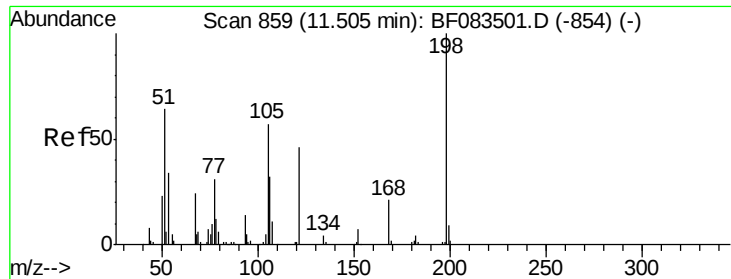
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.4	14.2#
80	10.4	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: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_G

ClientSampleId :

S25-15.5

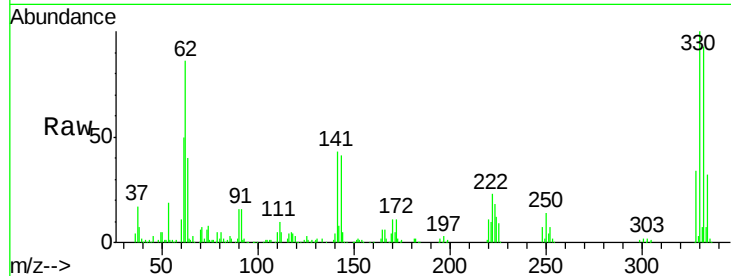
Tgt Ion:198 Resp: 835

Ion Ratio Lower Upper

198 100

51 230.3 53.8 93.8#

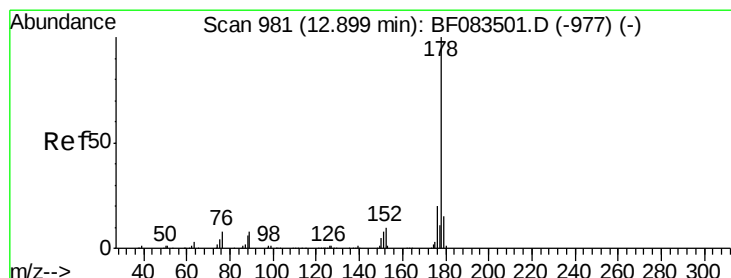
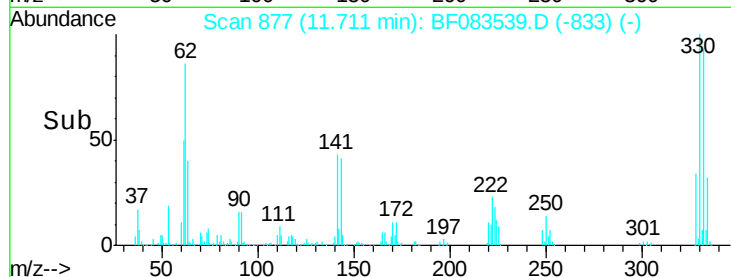
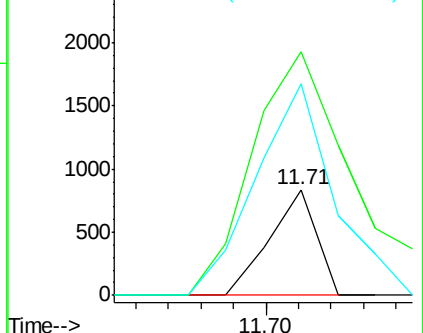
105 200.5 38.6 78.6#



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: 14.88 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

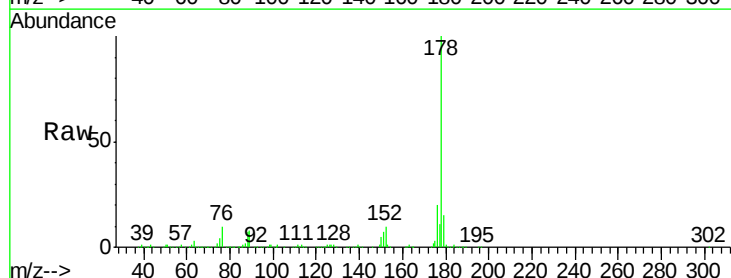
Tgt Ion:178 Resp: 529096

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

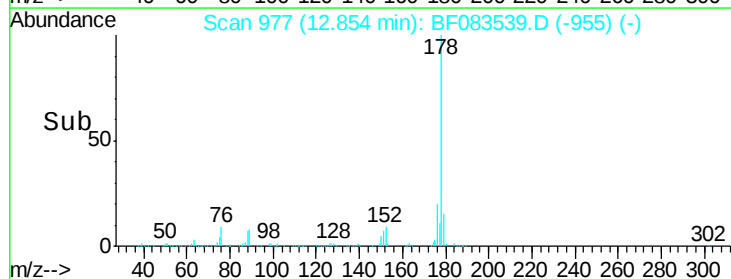
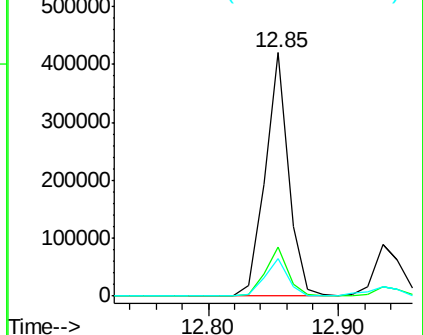
179 15.3 12.2 18.4

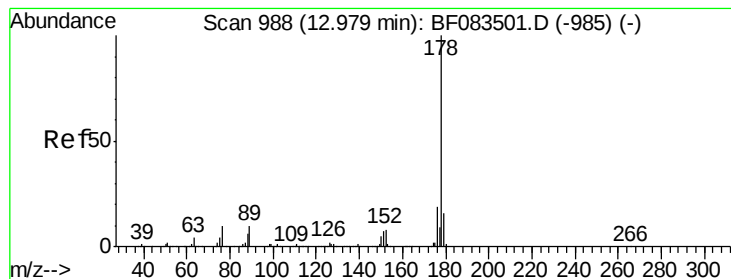


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.48 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_G

ClientSampled :

S25-15.5

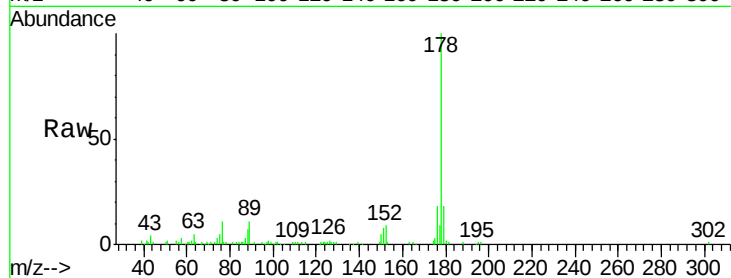
Tgt Ion:178 Resp: 126031

Ion Ratio Lower Upper

178 100

176 17.8 15.2 22.8

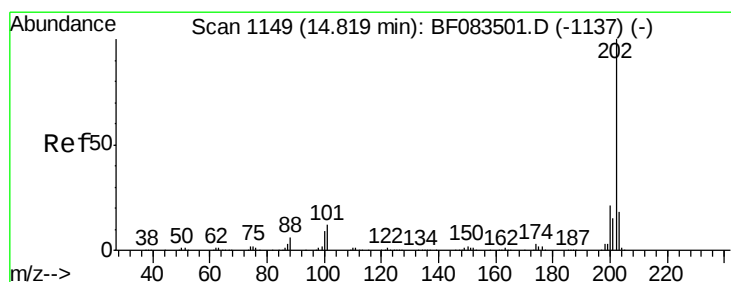
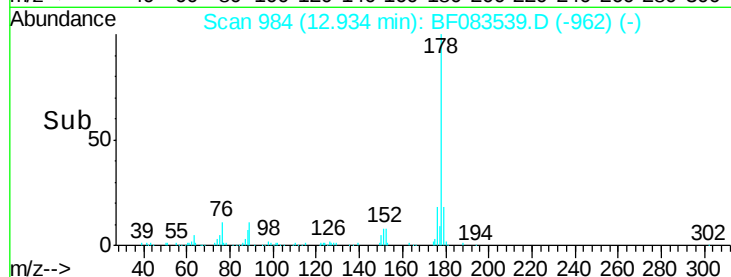
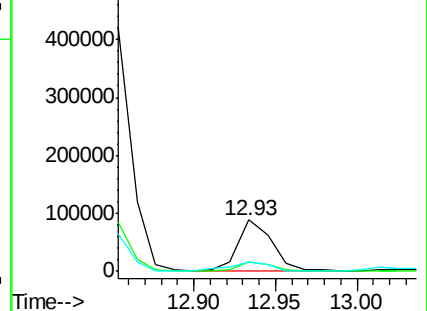
179 17.7 12.6 18.8



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: 21.49 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

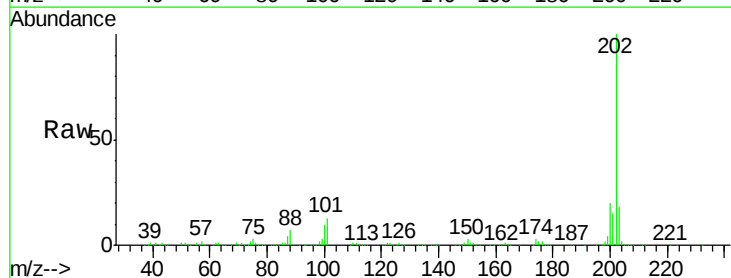
Tgt Ion:202 Resp: 757237

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.5

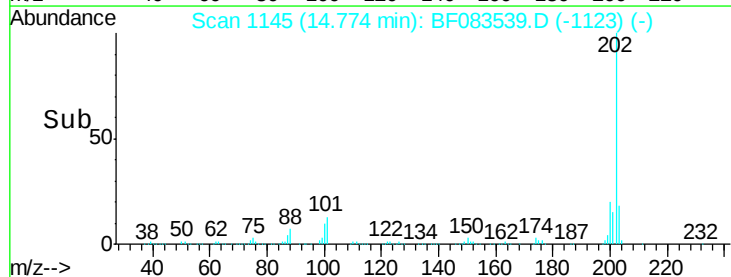
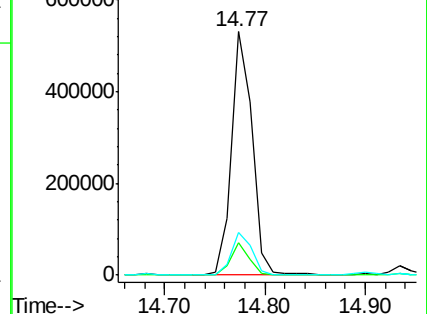
203 17.7 0.0 37.6

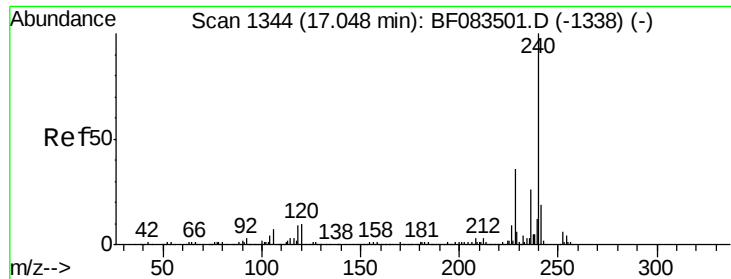


Abundance Ion 202.00 (201.70 to 202.70): E

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: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_G

ClientSampleId :

S25-15.5

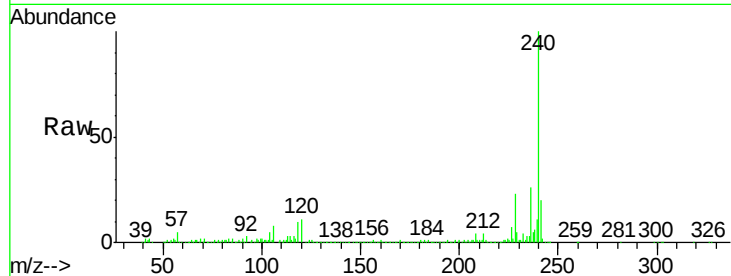
Tgt Ion:240 Resp: 418373

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

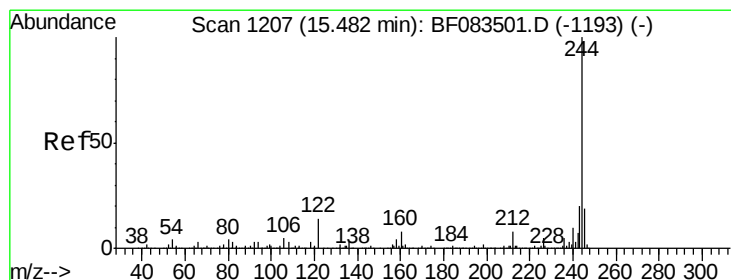
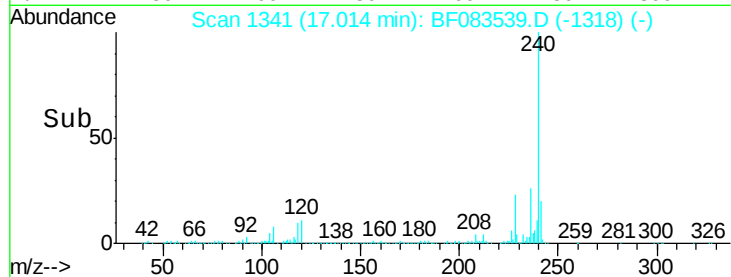
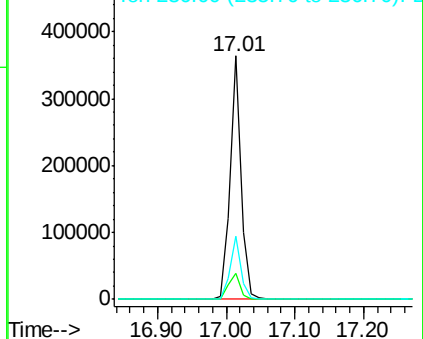
236 25.8 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 87.07 ng

RT: 15.45 min Scan# 1204

Delta R.T. -0.03 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

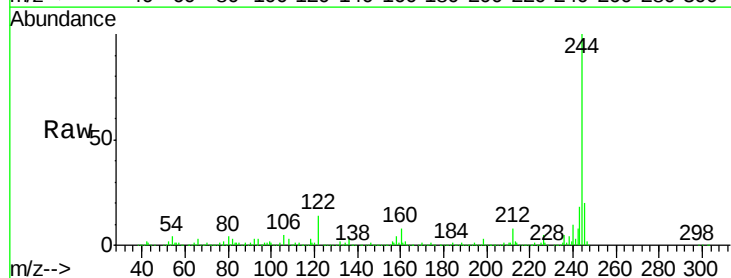
Tgt Ion:244 Resp: 1637080

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

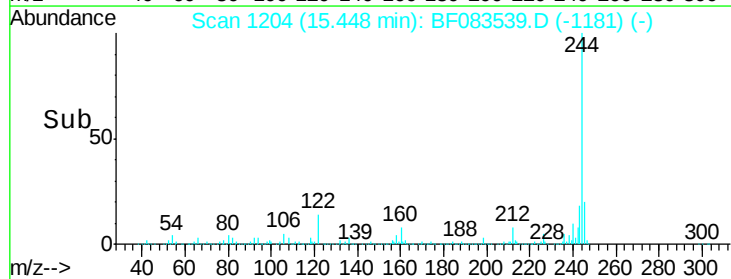
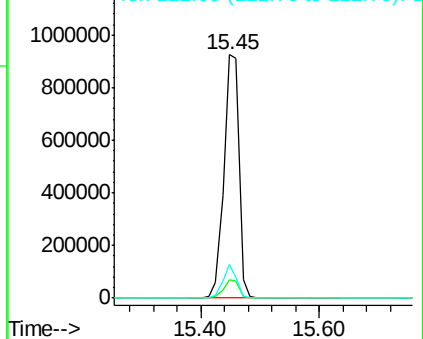
122 14.0 11.0 16.6

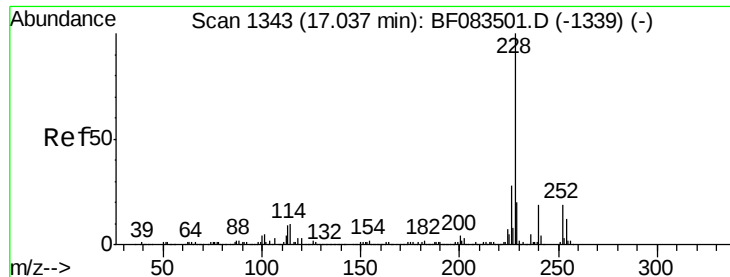


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.10 ng

RT: 17.00 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_G

ClientSampleId :

S25-15.5

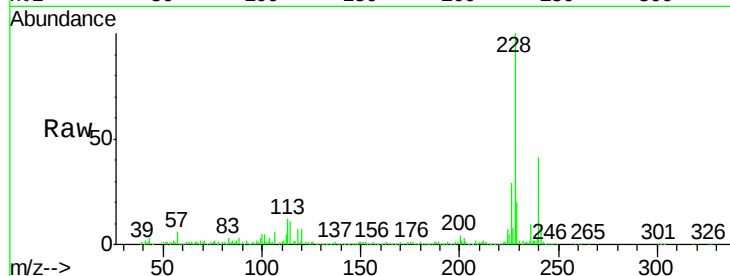
Tgt Ion:228 Resp: 394107

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

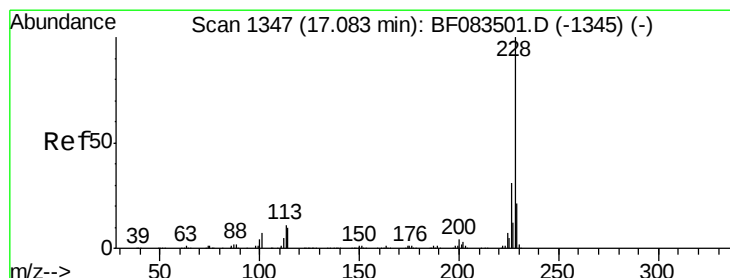
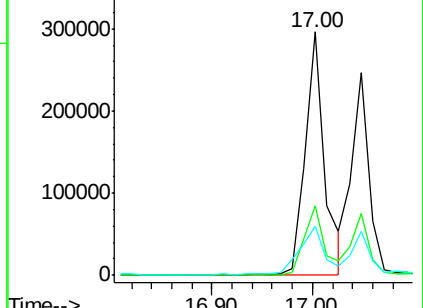
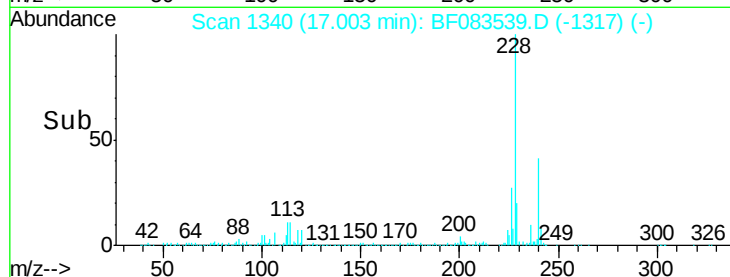
229 20.3 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 12.18 ng

RT: 17.05 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

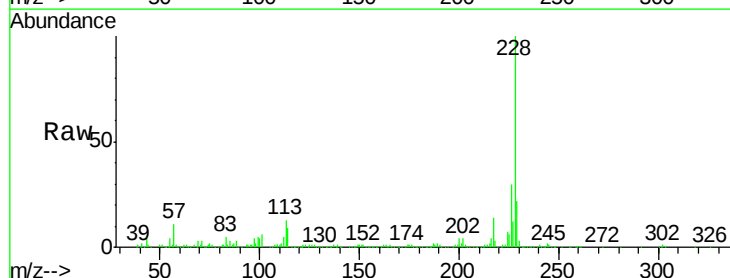
Tgt Ion:228 Resp: 296911

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

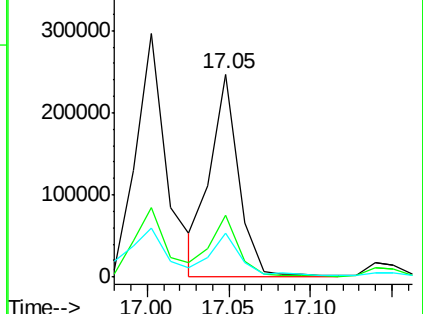
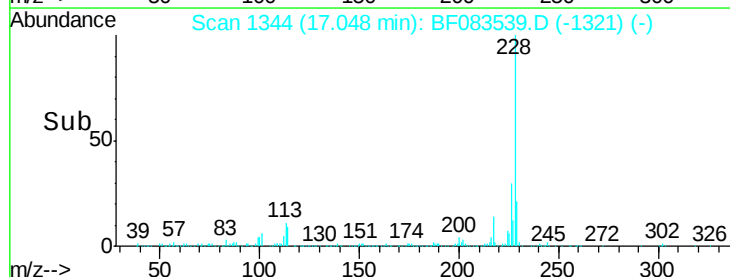
229 21.6 16.3 24.5

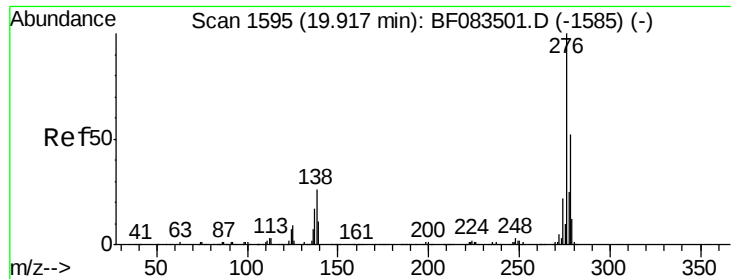


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

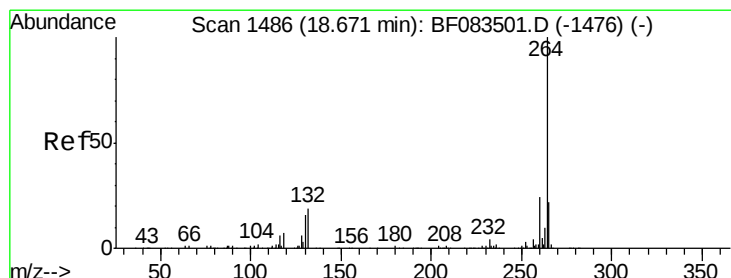
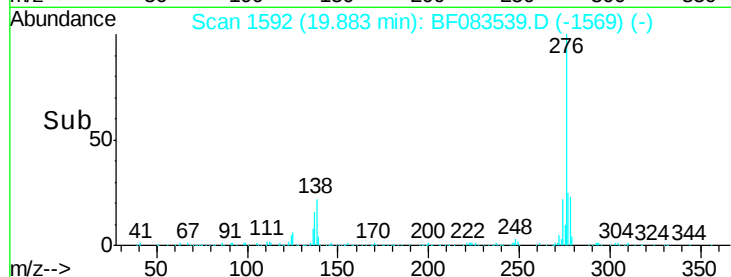
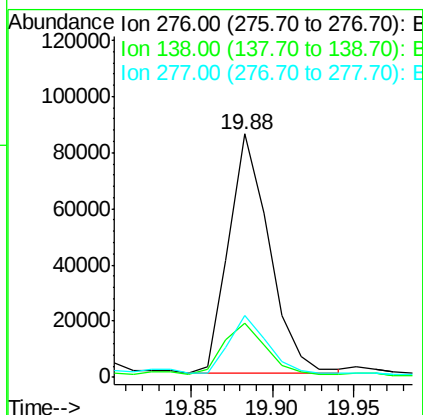
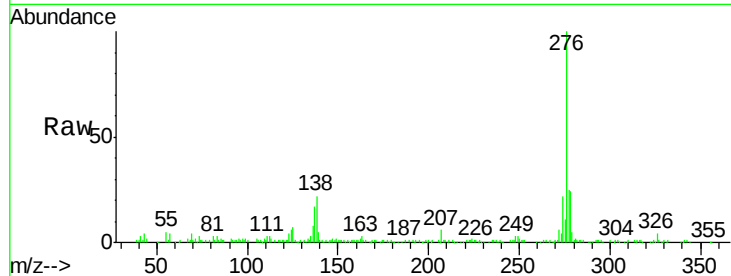




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.01 ng
 RT: 19.88 min Scan# 1592
 Delta R.T. -0.03 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

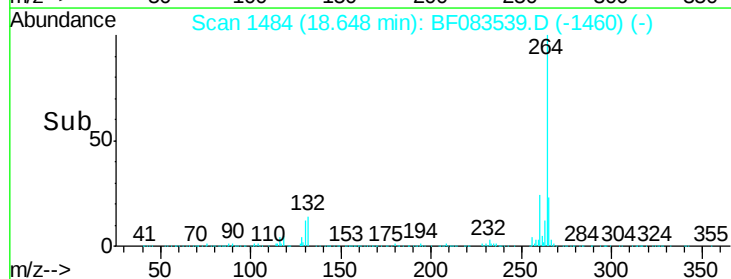
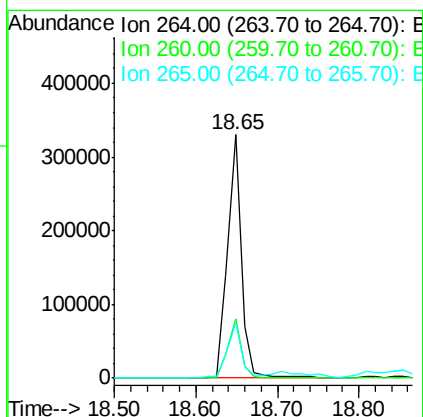
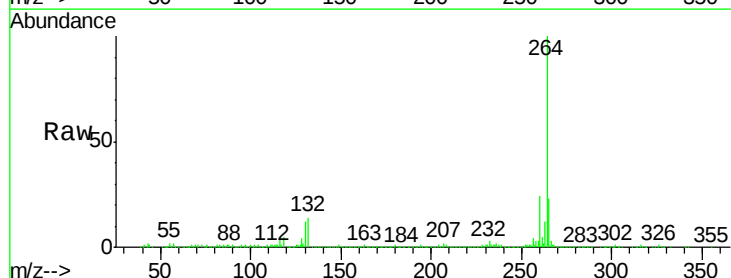
Instrument :
 BNA_G
 ClientSampleId :
 S25-15.5

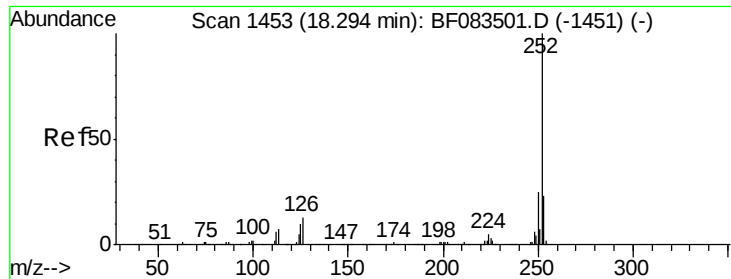
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	0.0	0.0#
277	22.6	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.65 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: BF083539.D
 Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	22.8	17.8	26.6

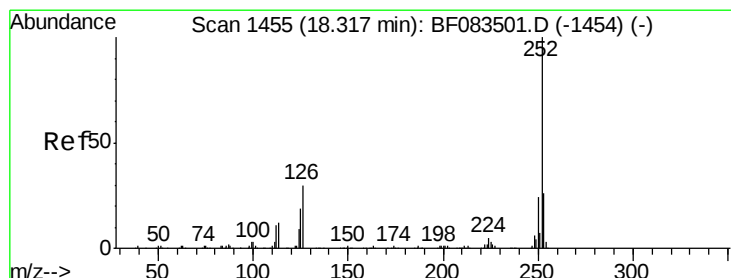
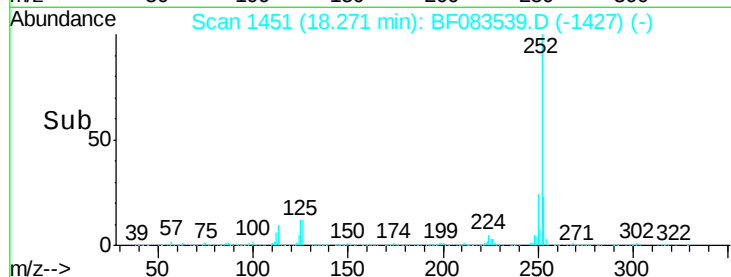
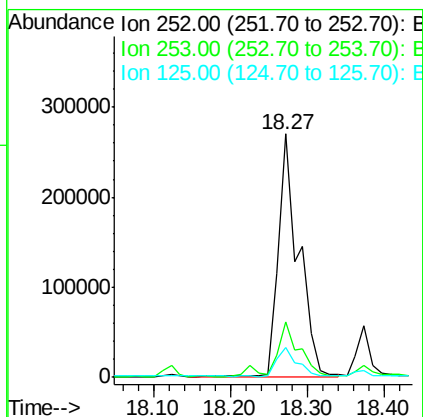
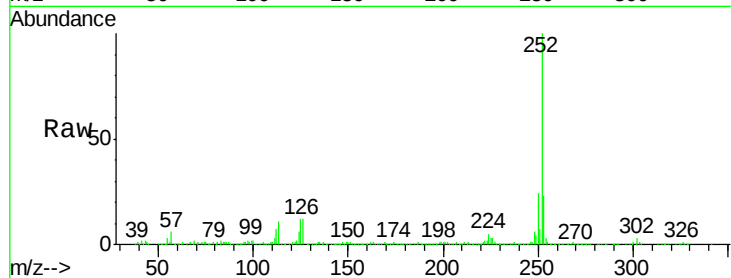




#87
Benzo(b)fluoranthene
Concen: 22.71 ng
RT: 18.27 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

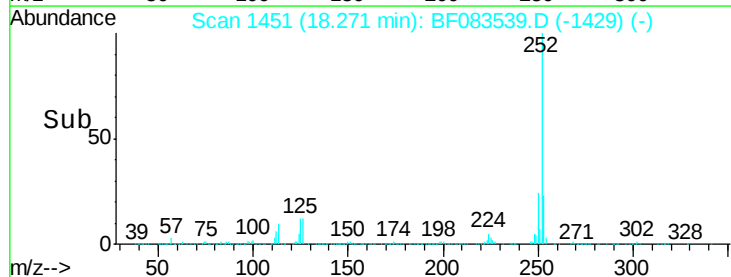
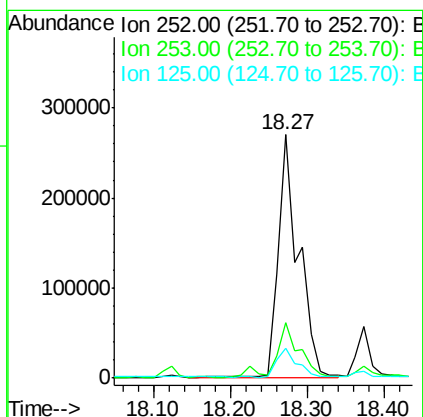
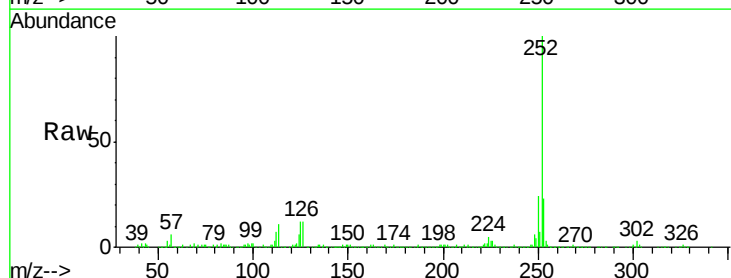
Instrument :
BNA_G
ClientSampleId :
S25-15.5

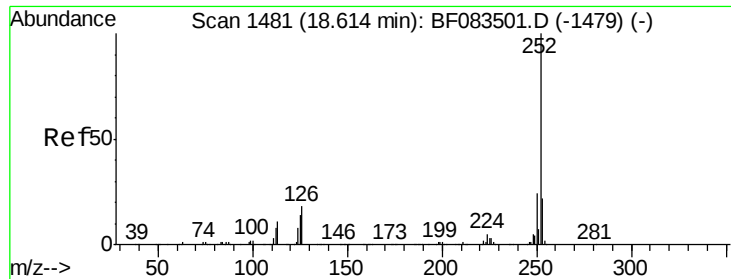
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	12.1	8.2	12.4



#88
Benzo(k)fluoranthene
Concen: 22.17 ng
RT: 18.27 min Scan# 1451
Delta R.T. -0.05 min
Lab File: BF083539.D
Acq: 7 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	27.8
125	12.1	11.5	17.3





#89

Benzo(a)pyrene

Concen: 12.65 ng

RT: 18.59 min Scan# 1479

Delta R.T. -0.02 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

Instrument :

BNA_G

ClientSampleId :

S25-15.5

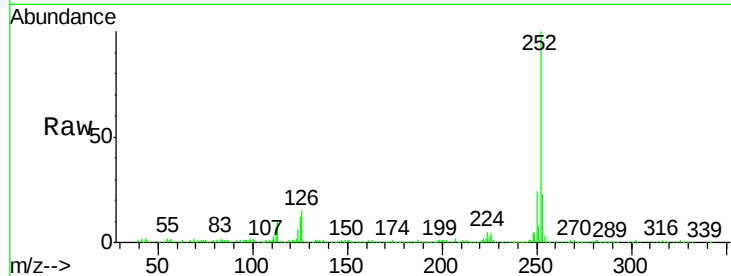
Tgt Ion:252 Resp: 269222

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

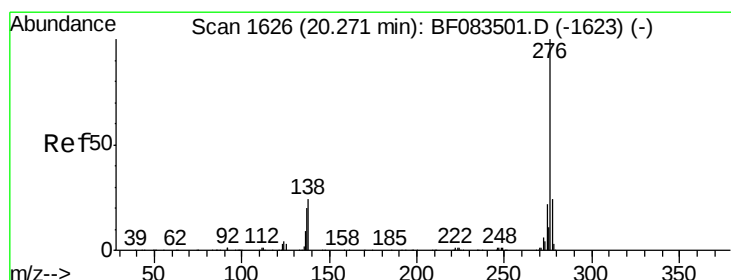
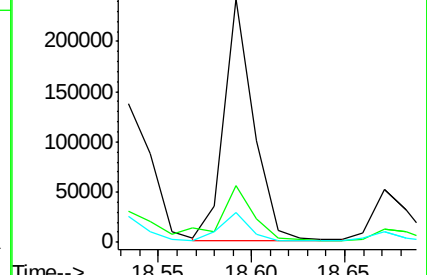
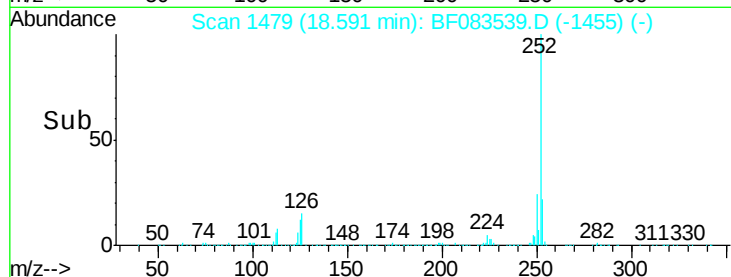
125 12.4 11.0 16.6



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



#91

Benzo(g,h,i)perylene

Concen: 6.56 ng

RT: 20.24 min Scan# 1623

Delta R.T. -0.03 min

Lab File: BF083539.D

Acq: 7 Dec 2015 2:47

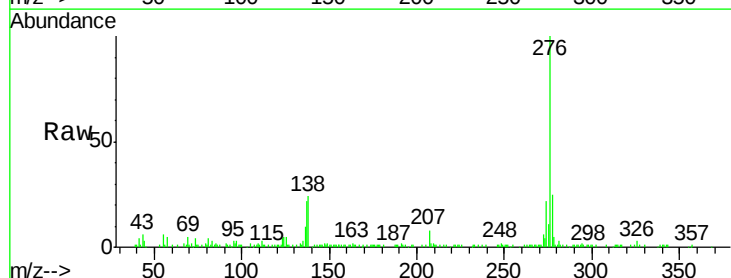
Tgt Ion:276 Resp: 135359

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 23.8 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

