

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083541.D
 Acq On : 7 Dec 2015 3:47
 Operator : UM/IZ
 Sample : G4614-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S15-15

Quant Time: Dec 07 05:09:45 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

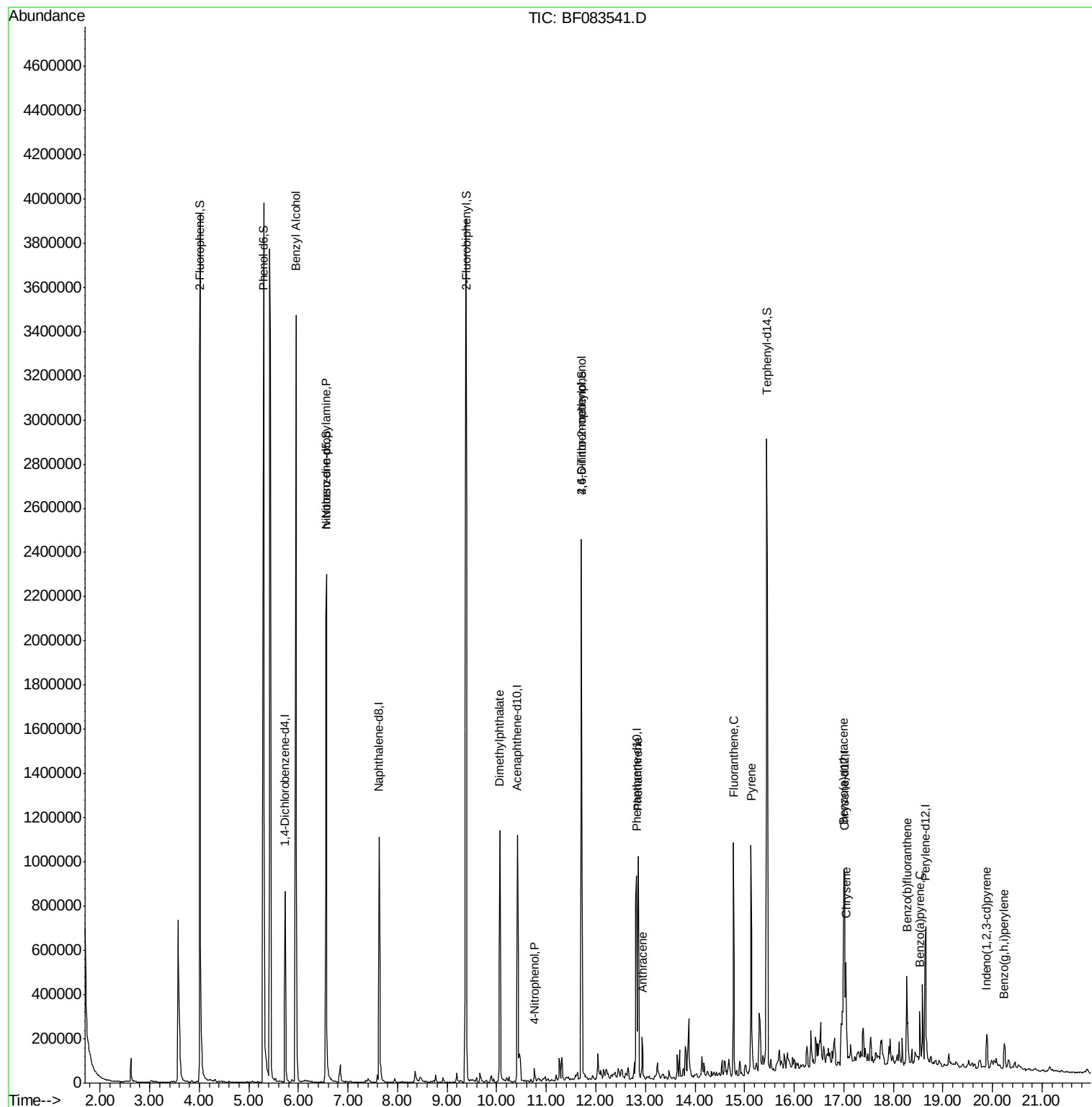
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	167812	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	633656	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	303841	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	538327	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	362096	20.00	ng	-0.03
86) Perylene-d12	18.65	264	328041	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1583919	143.20	ng	-0.01
7) Phenol-d6	5.30	99	2070456	135.86	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1404496	103.61	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	385090	137.39	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	1960498	87.52	ng	-0.05
78) Terphenyl-d14	15.45	244	1539870	94.63	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	5.95	79	22340	2.11	ng	# 47
19) n-Nitroso-di-n-propylamine	6.57	70	182081	17.91	ng	# 77
49) Dimethylphthalate	10.06	163	603746	25.25	ng	98
55) 4-Nitrophenol	10.76	139	12651	4.14	ng	# 5
64) 4,6-Dinitro-2-methylphenol	11.71	198	625	3.64	ng	# 1
70) Phenanthrene	12.85	178	542957	17.33	ng	99
71) Anthracene	12.93	178	112114	3.51	ng	96
74) Fluoranthene	14.77	202	588289	18.94	ng	98
77) Pyrene	15.13	202	504935	18.64	ng	# 95
80) Benzo(a)anthracene	17.00	228	230968	10.90	ng	98
82) Chrysene	17.05	228	175598	8.32	ng	96
85) Indeno(1,2,3-cd)pyrene	19.88	276	88920	4.91	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	278153	15.10	ng	99
89) Benzo(a)pyrene	18.53	252	103555	5.78	ng	97
91) Benzo(g,h,i)perylene	20.24	276	88974	5.12	ng	98

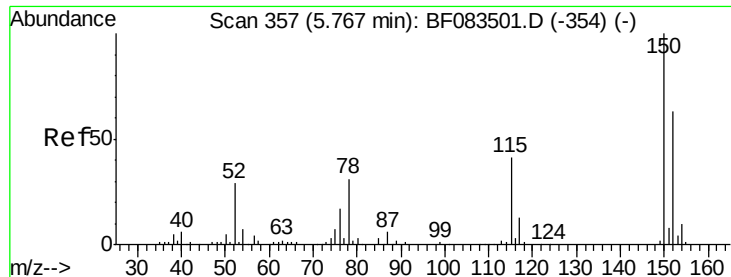
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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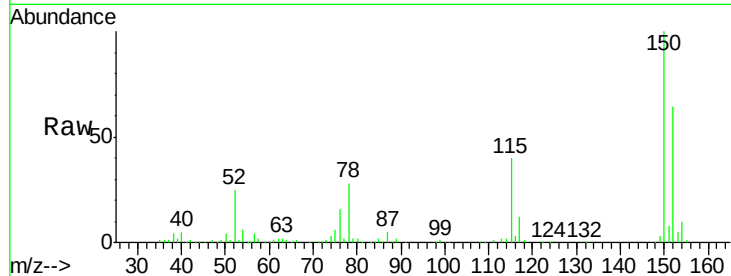


#1

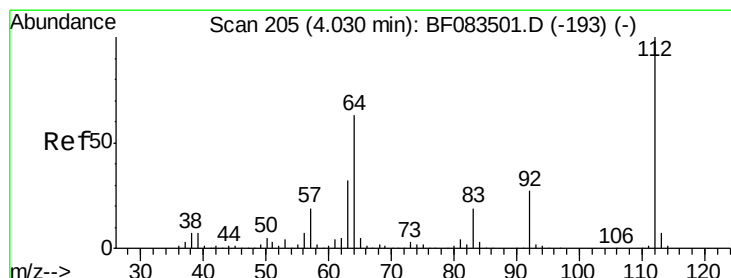
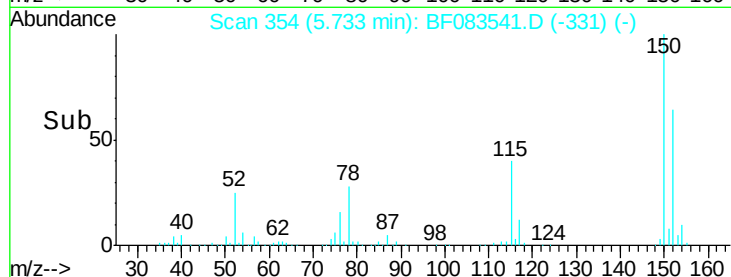
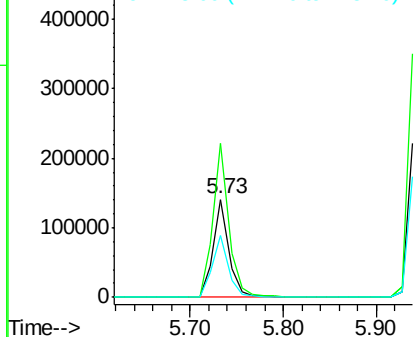
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Instrument :
BNA_G
ClientSampleId :
S15-15

Tgt Ion:152 Resp: 167812
Ion Ratio Lower Upper
152 100
150 156.9 126.5 189.7
115 62.5 52.3 78.5



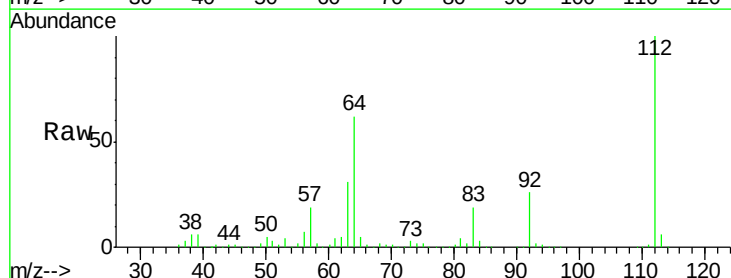
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



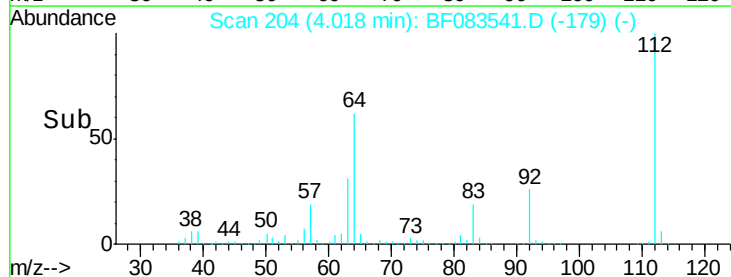
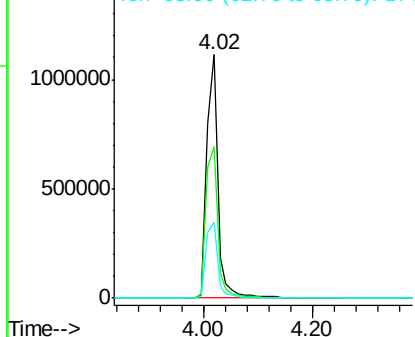
#5

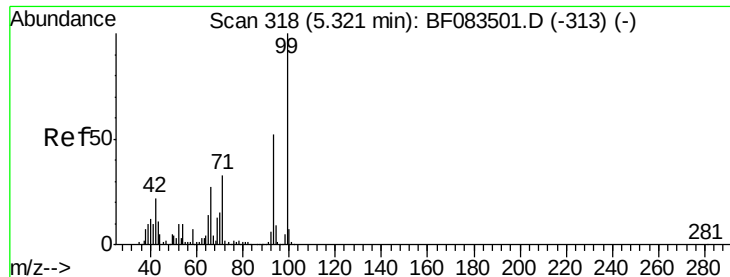
2-Fluorophenol
Concen: 143.20 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion:112 Resp: 1583919
Ion Ratio Lower Upper
112 100
64 62.1 50.5 75.7
63 31.0 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: 135.86 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_G

ClientSampleId :

S15-15

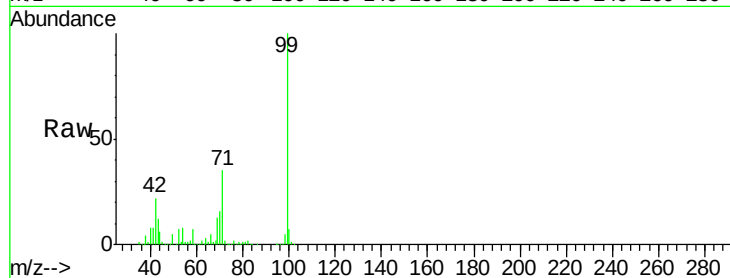
Tgt Ion: 99 Resp: 2070456

Ion Ratio Lower Upper

99 100

42 21.7 17.3 25.9

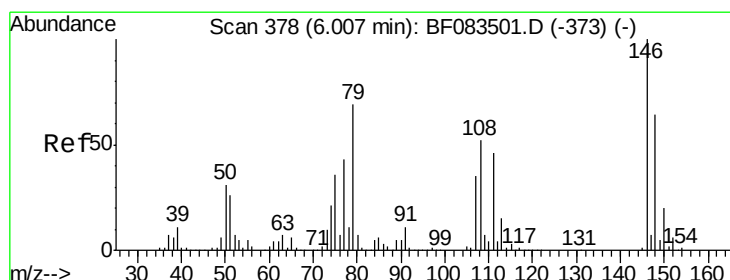
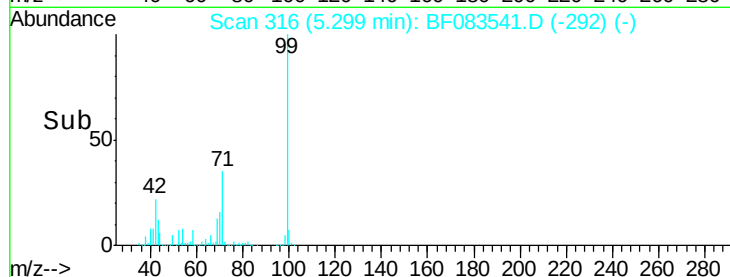
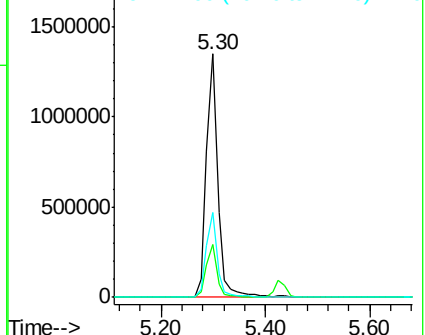
71 35.0 26.6 40.0



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



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 5.95 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

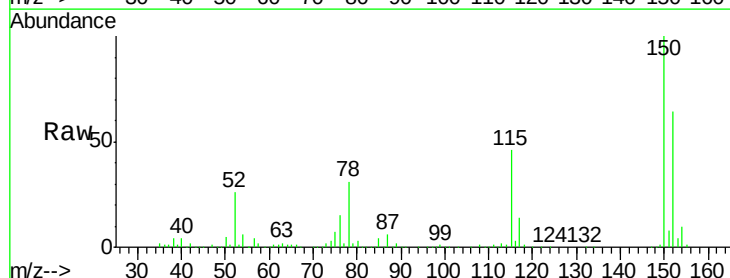
Tgt Ion: 79 Resp: 22340

Ion Ratio Lower Upper

79 100

108 24.5 59.6 89.4#

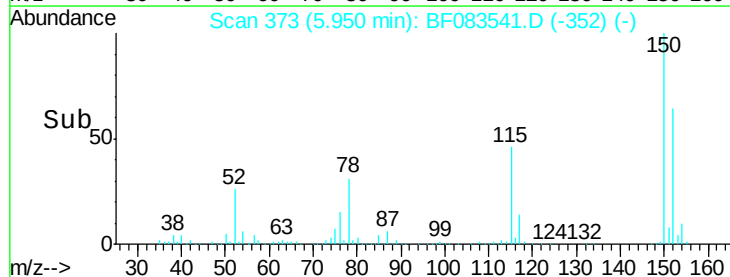
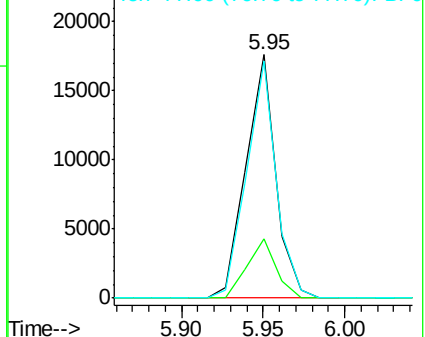
77 97.5 49.8 74.6#

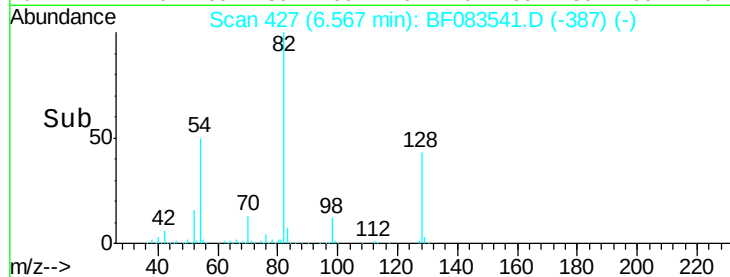
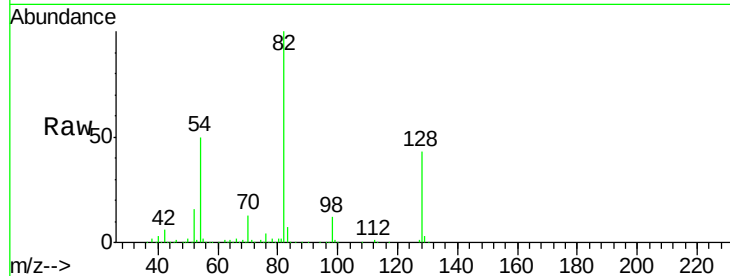
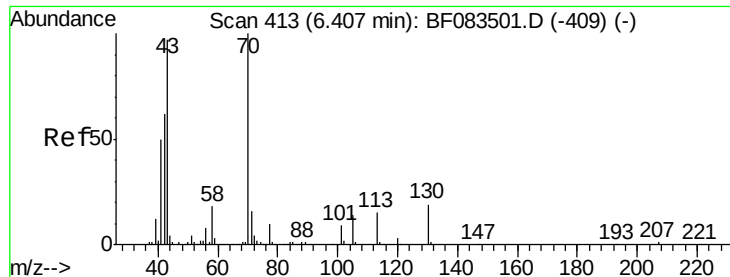


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

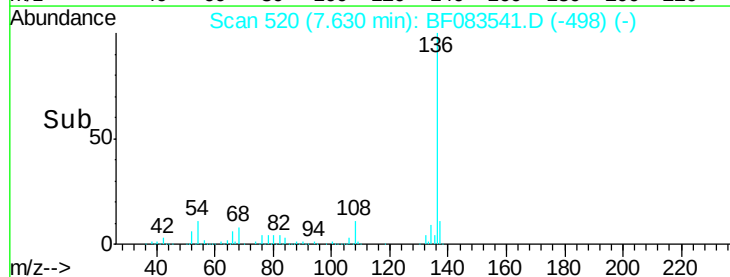
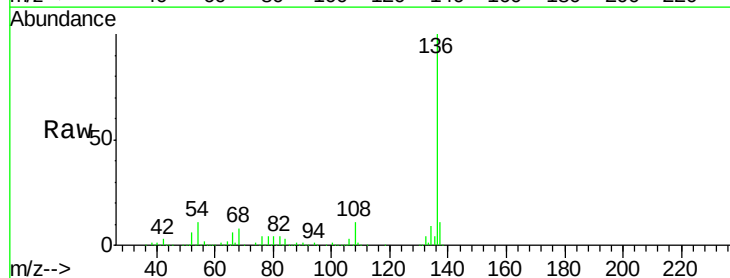
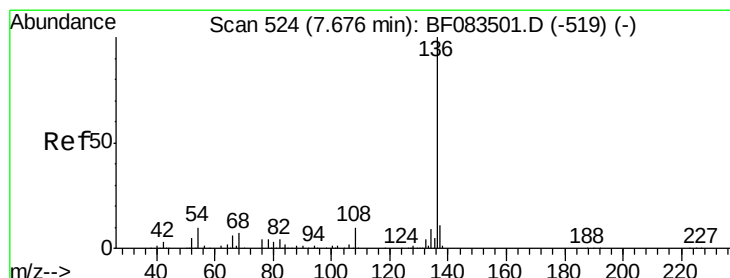
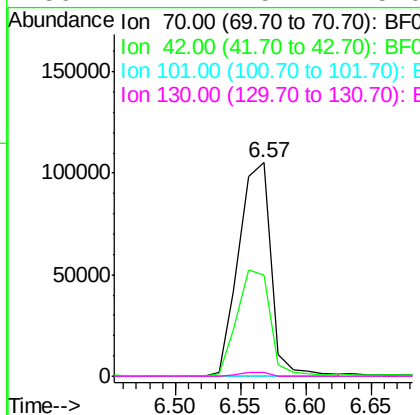




#19
n-Nitroso-di-n-propylamine
Concen: 17.91 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.16 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

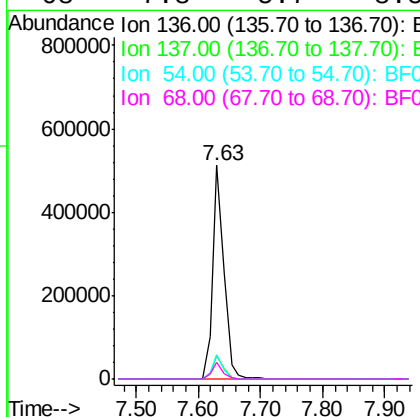
Instrument :
BNA_G
ClientSampleId :
S15-15

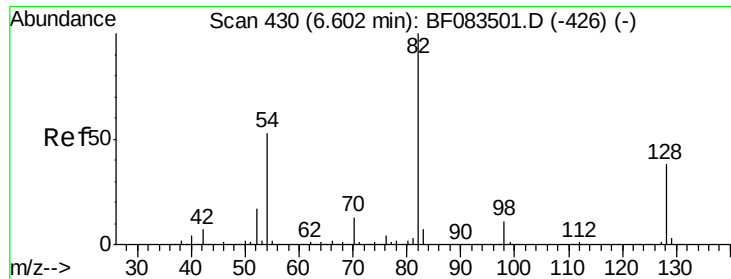
Tgt Ion: 70 Resp: 182081
Ion Ratio Lower Upper
70 100
42 47.3 49.2 73.8#
101 0.0 7.1 10.7#
130 1.7 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion: 136 Resp: 633656
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 11.3 7.8 11.6
68 7.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 103.61 ng

RT: 6.57 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_G

ClientSampleId :

S15-15

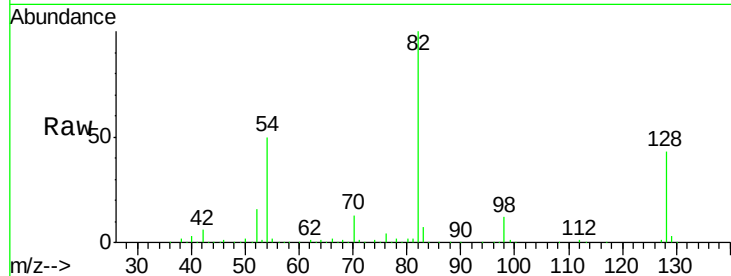
Tgt Ion: 82 Resp: 1404496

Ion Ratio Lower Upper

82 100

128 42.7 30.7 46.1

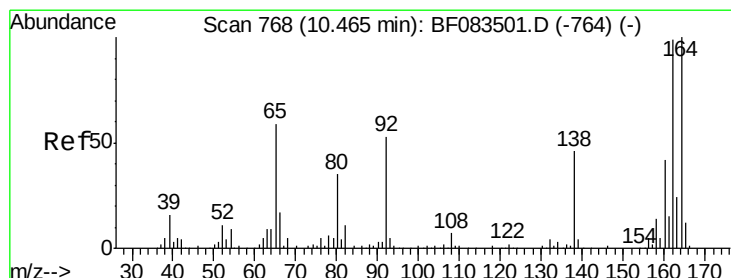
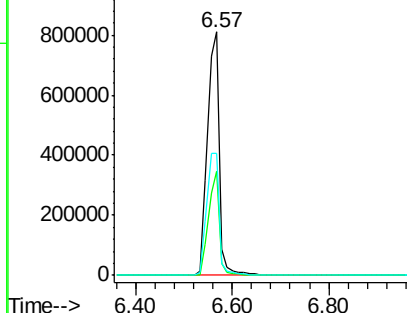
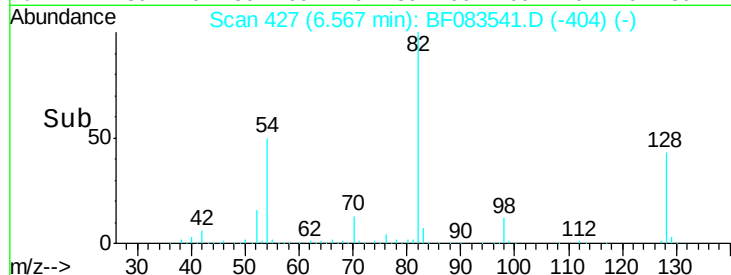
54 50.3 42.5 63.7



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: BF083541.D

Acq: 7 Dec 2015 3:47

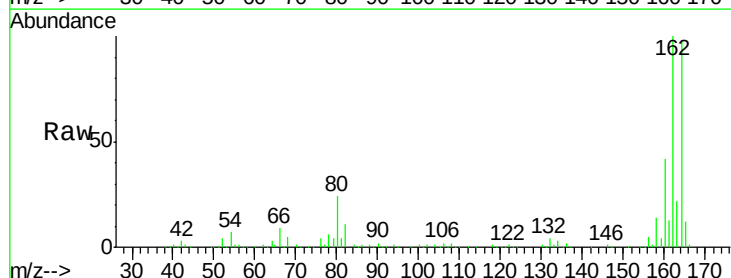
Tgt Ion: 164 Resp: 303841

Ion Ratio Lower Upper

164 100

162 102.5 78.8 118.2

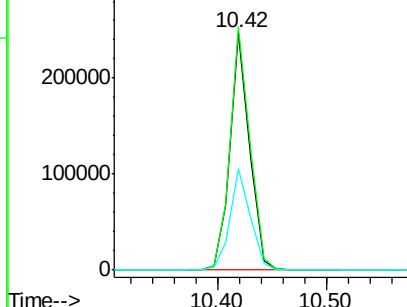
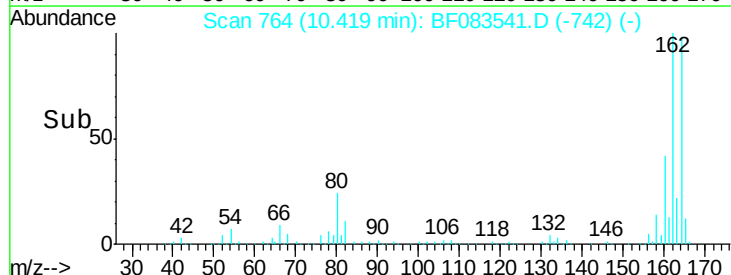
160 42.8 33.4 50.2

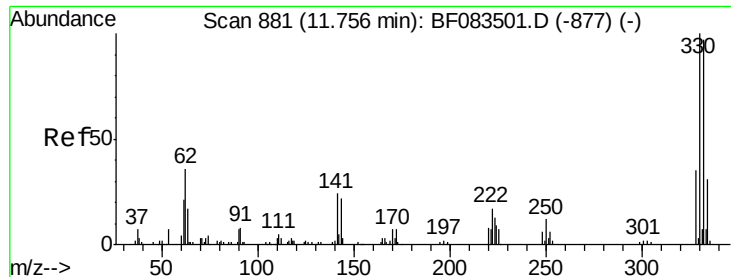


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

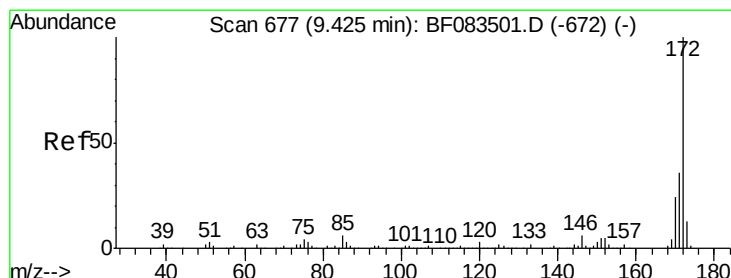
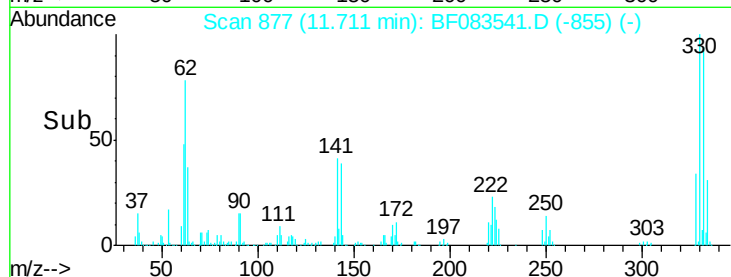
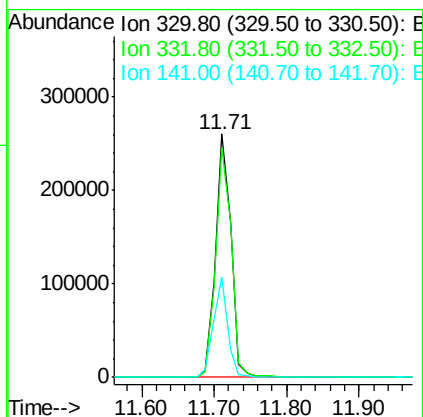
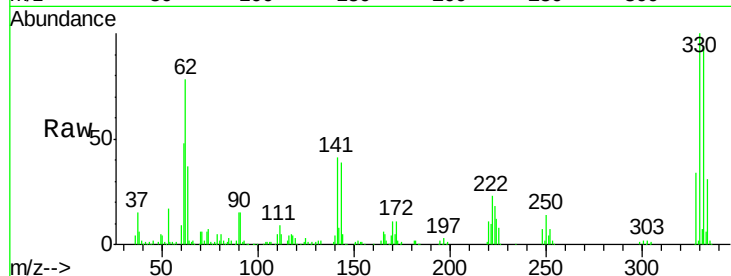




#41
 2,4,6-Tribromophenol
 Concen: 137.39 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

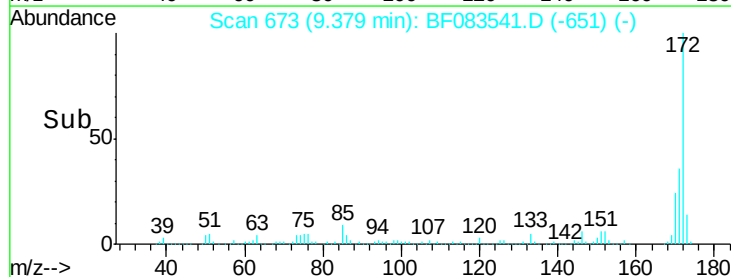
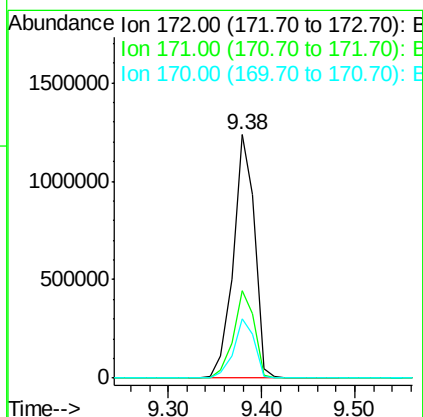
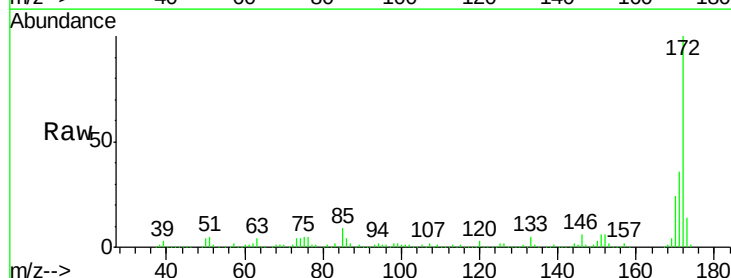
Instrument :
 BNA_G
 ClientSampleId :
 S15-15

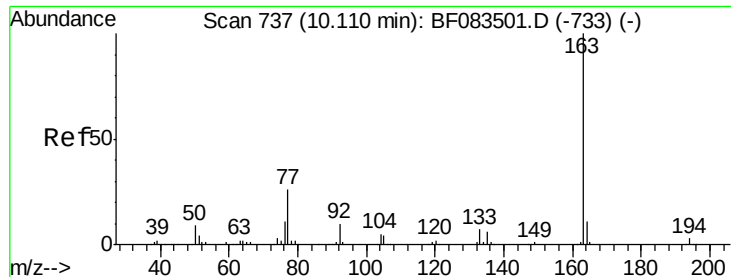
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	38.3	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 87.52 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.2	19.4	29.0





#49

Dimethylphthalate

Concen: 25.25 ng

RT: 10.06 min Scan# 733

Delta R.T. -0.05 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_G

ClientSampleId :

S15-15

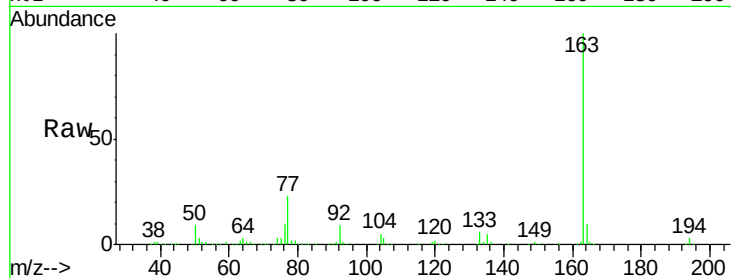
Tgt Ion:163 Resp: 603746

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

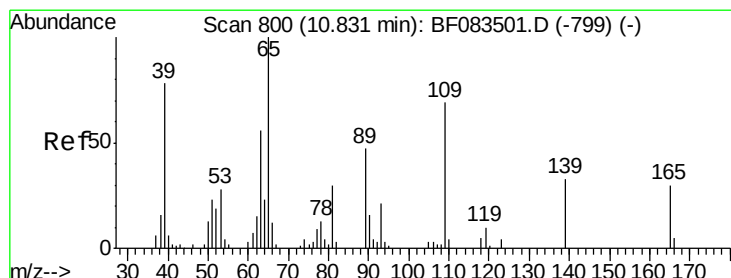
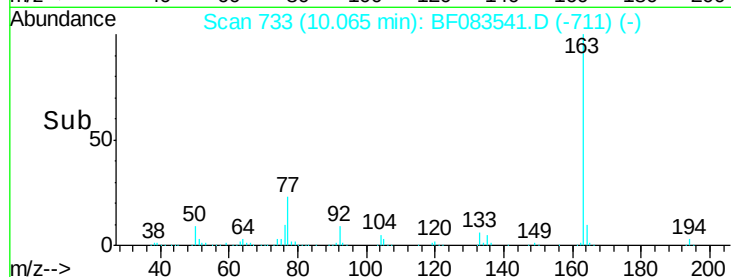
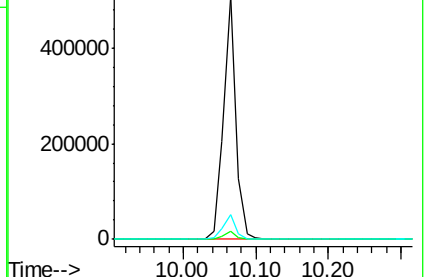
164 10.0 8.6 13.0



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: 4.14 ng

RT: 10.76 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

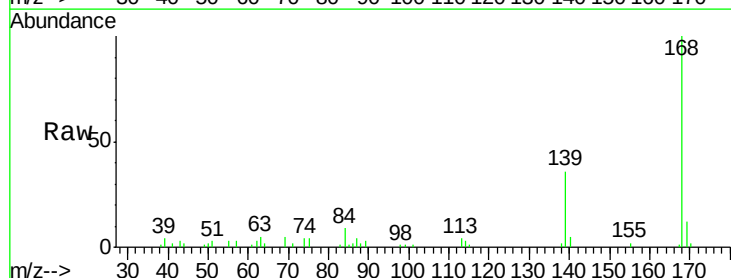
Tgt Ion:139 Resp: 12651

Ion Ratio Lower Upper

139 100

109 0.0 42.0 82.0#

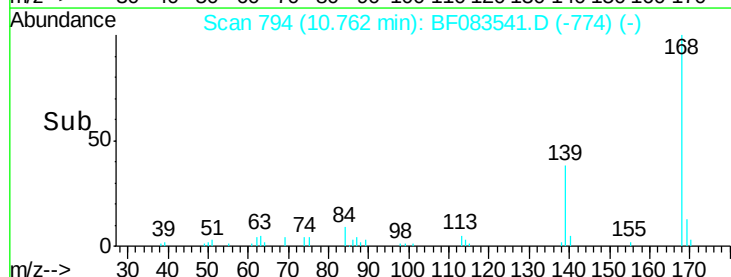
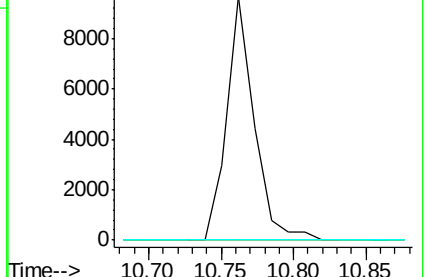
65 0.0 89.2 129.2#

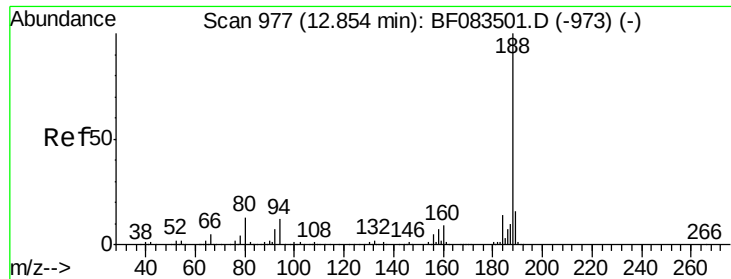


Abundance Ion 139.00 (138.70 to 139.70): E

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: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_G

ClientSampleId :

S15-15

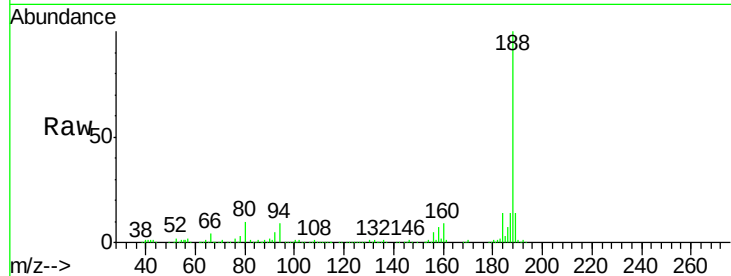
Tgt Ion:188 Resp: 538327

Ion Ratio Lower Upper

188 100

94 9.0 9.4 14.2#

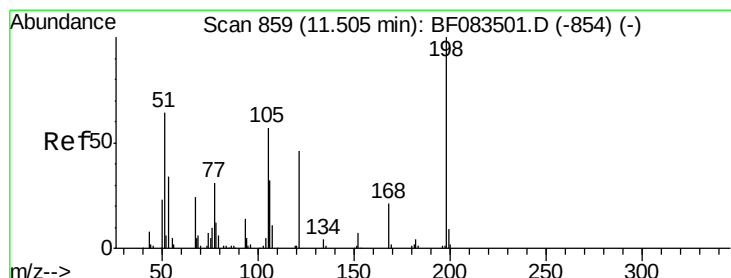
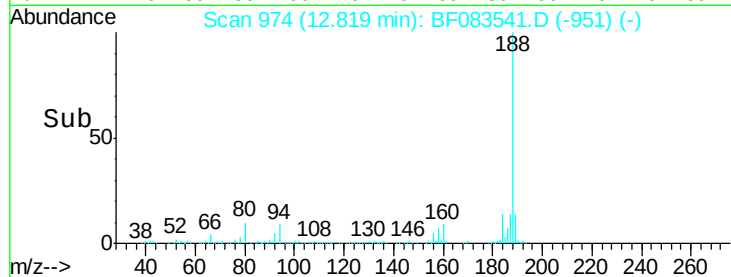
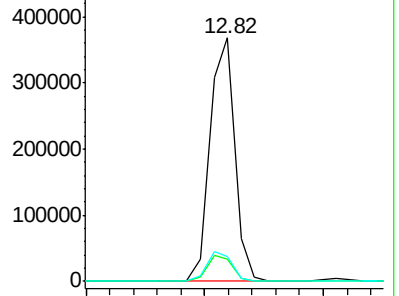
80 9.9 10.6 16.0#



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: 3.64 ng

RT: 11.71 min Scan# 877

Delta R.T. 0.21 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

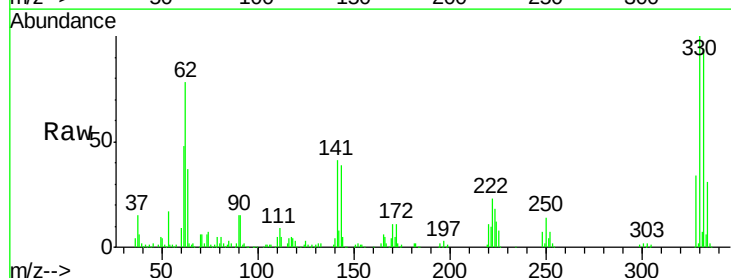
Tgt Ion:198 Resp: 625

Ion Ratio Lower Upper

198 100

51 337.2 53.8 93.8#

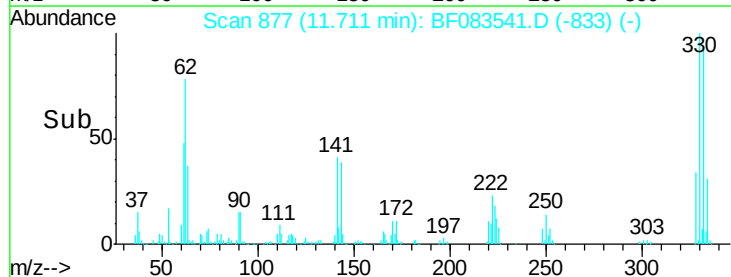
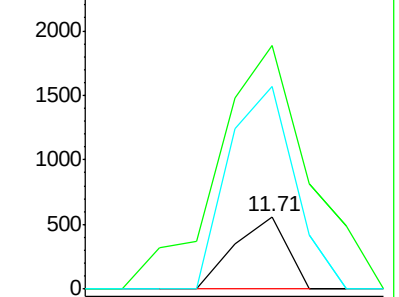
105 280.7 38.6 78.6#

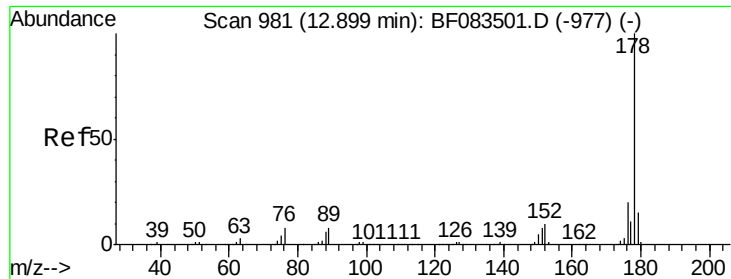


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

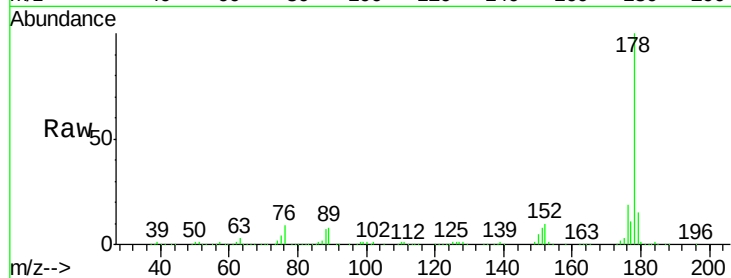




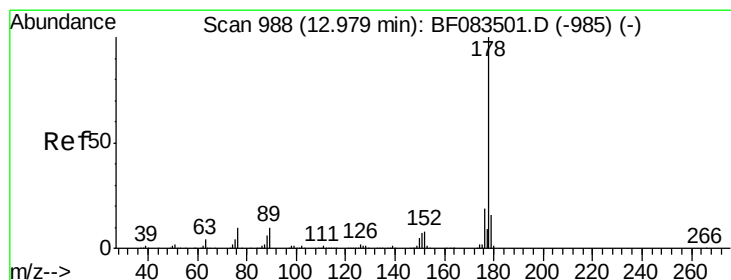
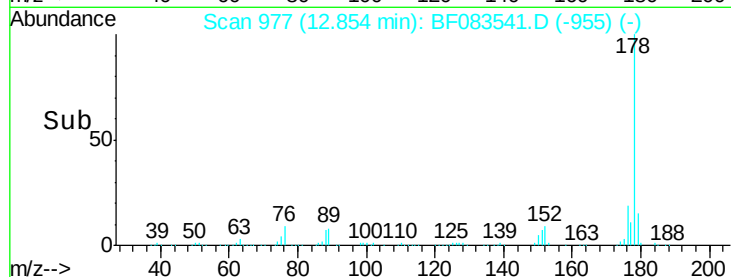
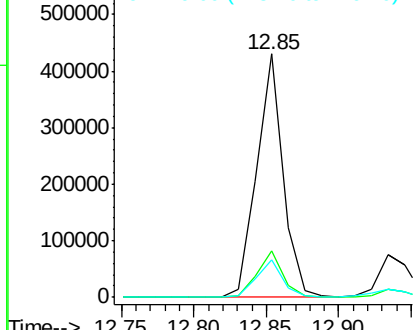
#70
Phenanthrene
Concen: 17.33 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Instrument :
BNA_G
ClientSampleId :
S15-15

Tgt Ion:178 Resp: 542957
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.4 12.2 18.4

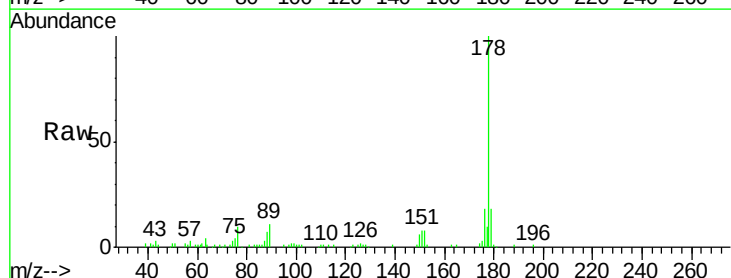


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

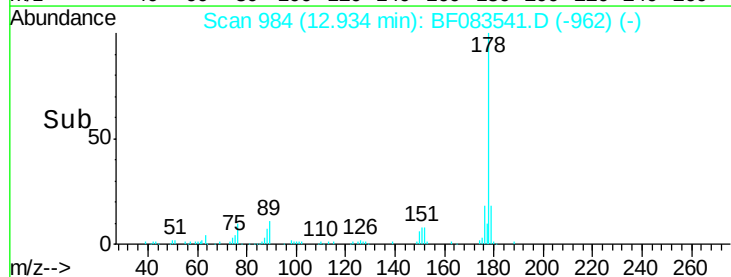
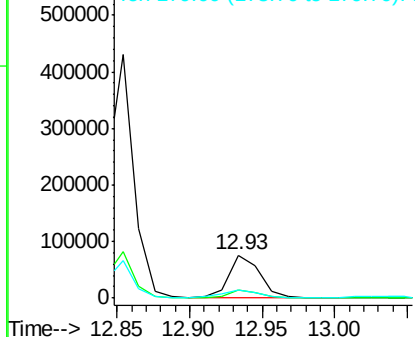


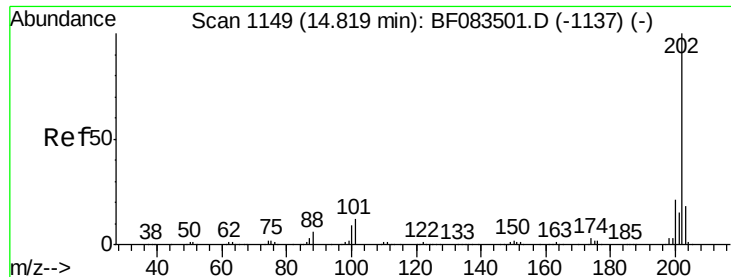
#71
Anthracene
Concen: 3.51 ng
RT: 12.93 min Scan# 984
Delta R.T. -0.05 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion:178 Resp: 112114
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 18.0 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

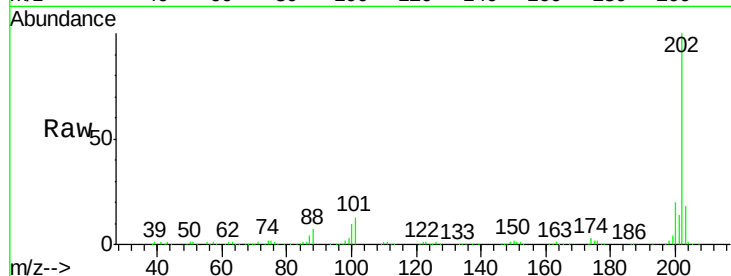




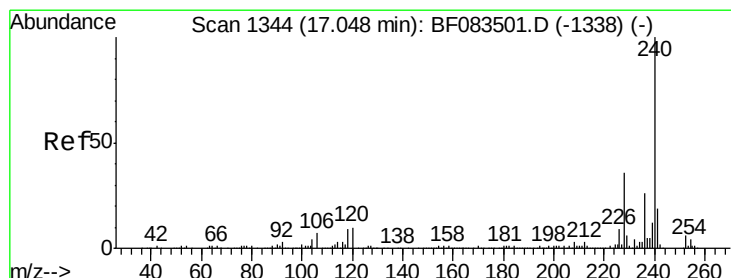
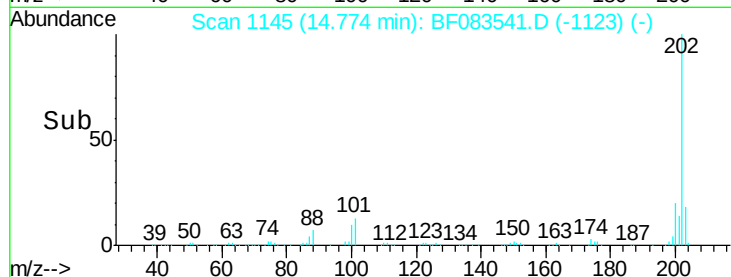
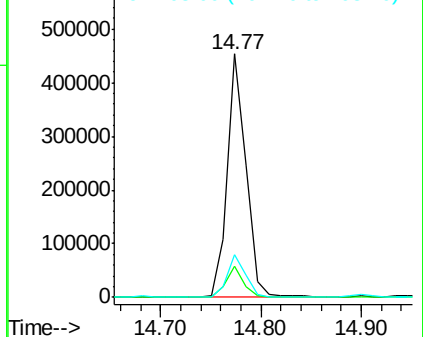
#74
 Fluoranthene
 Concen: 18.94 ng
 RT: 14.77 min Scan# 1145
 Delta R.T. -0.05 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Instrument :
 BNA_G
 ClientSampleId :
 S15-15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	588289		
101	13.0		0.0	31.5
203	17.6		0.0	37.6

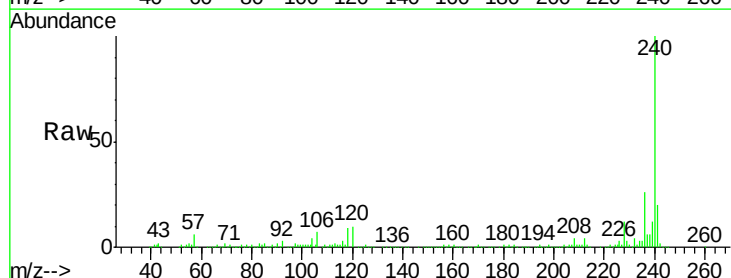


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

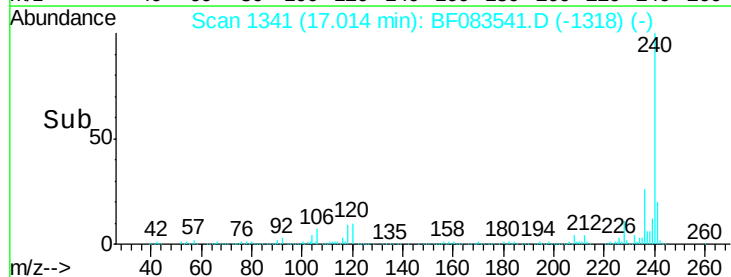
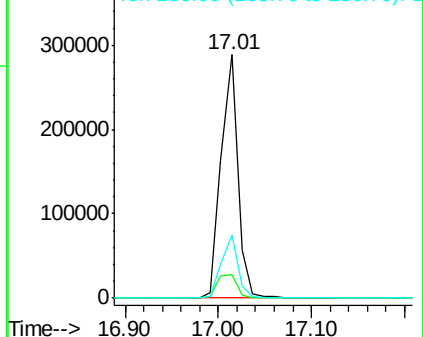


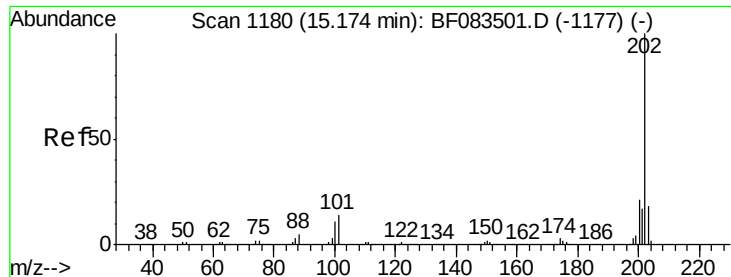
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.01 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	362096		
120	9.9		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





#77

Pyrene

Concen: 18.64 ng

RT: 15.13 min Scan# 1176

Delta R.T. -0.05 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_G

ClientSampled :

S15-15

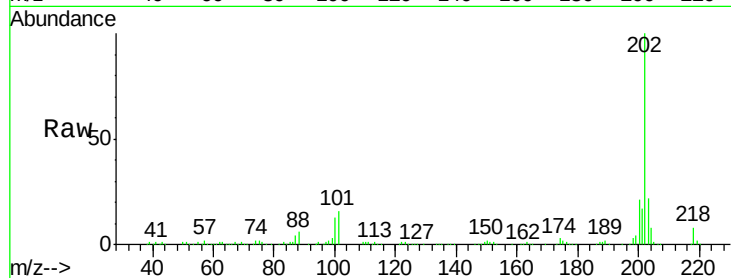
Tgt Ion:202 Resp: 504935

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

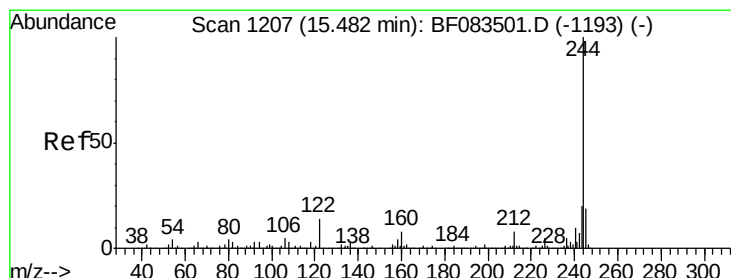
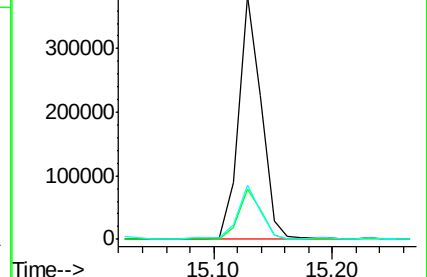
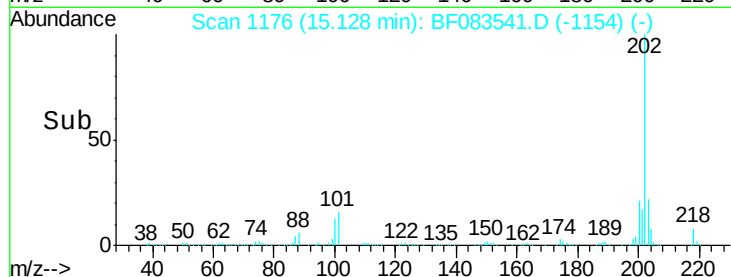
203 22.3 14.3 21.5#



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: 94.63 ng

RT: 15.45 min Scan# 1204

Delta R.T. -0.03 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

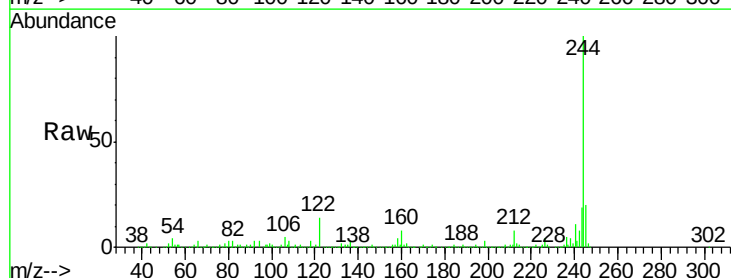
Tgt Ion:244 Resp: 1539870

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

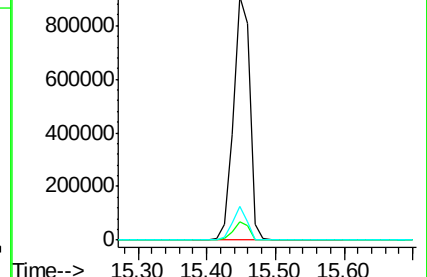
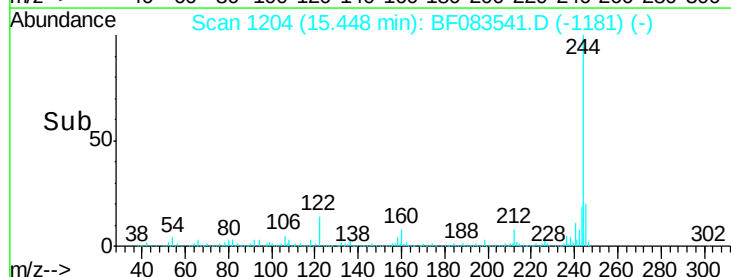
122 14.0 11.0 16.6

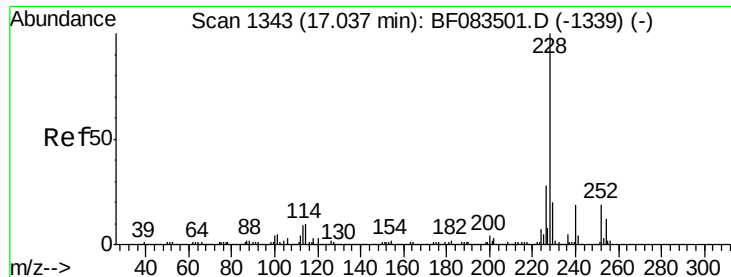


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

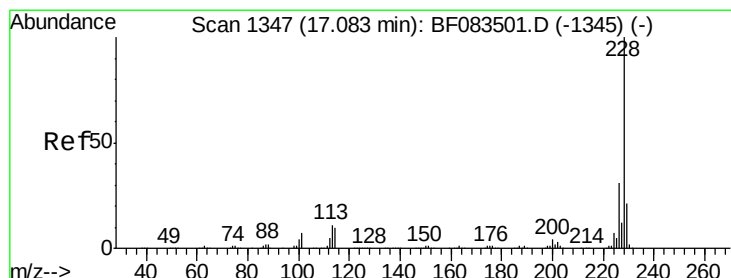
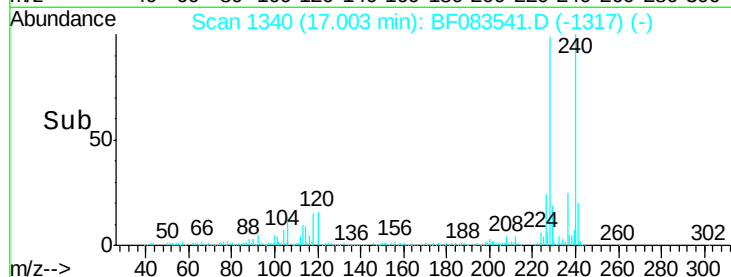
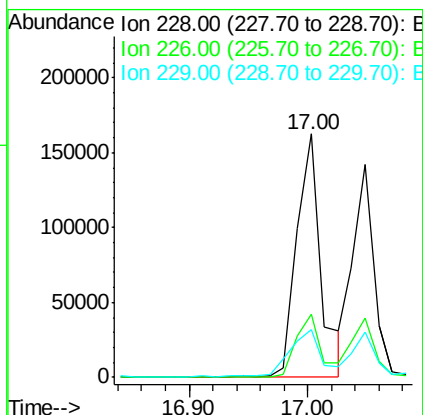
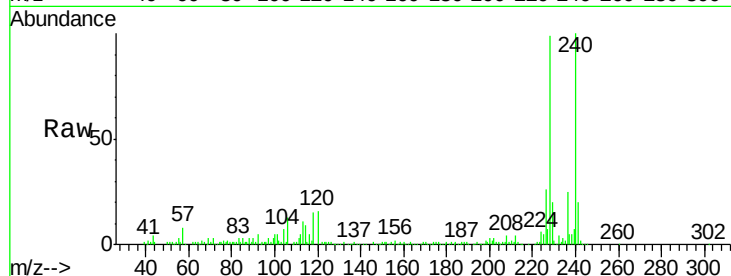




#80
Benzo(a)anthracene
Concen: 10.90 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

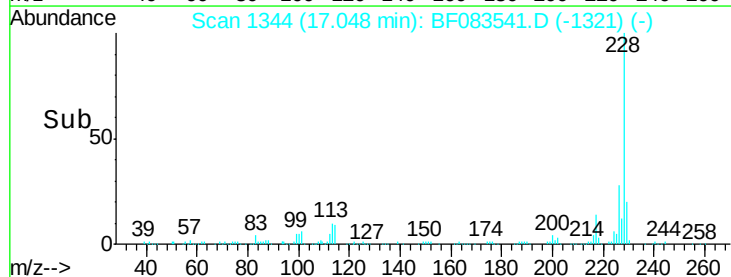
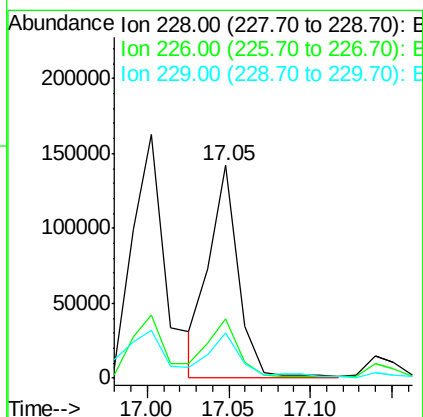
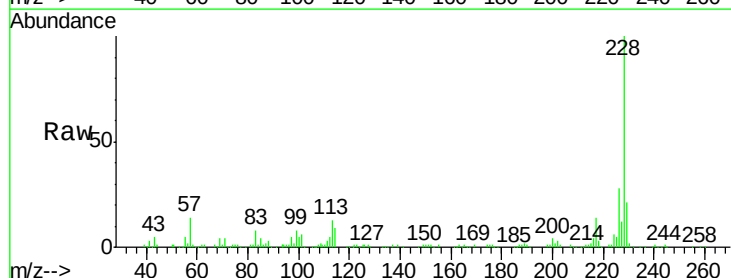
Instrument :
BNA_G
ClientSampleId :
S15-15

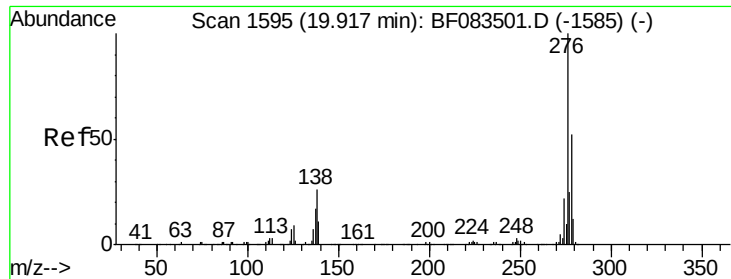
Tgt Ion:228 Resp: 230968
Ion Ratio Lower Upper
228 100
226 26.2 22.3 33.5
229 19.7 15.7 23.5



#82
Chrysene
Concen: 8.32 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion:228 Resp: 175598
Ion Ratio Lower Upper
228 100
226 28.2 24.7 37.1
229 21.0 16.3 24.5

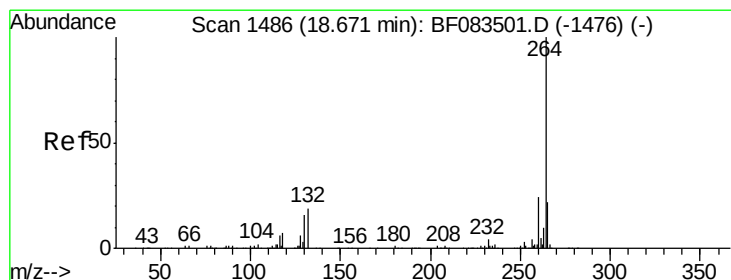
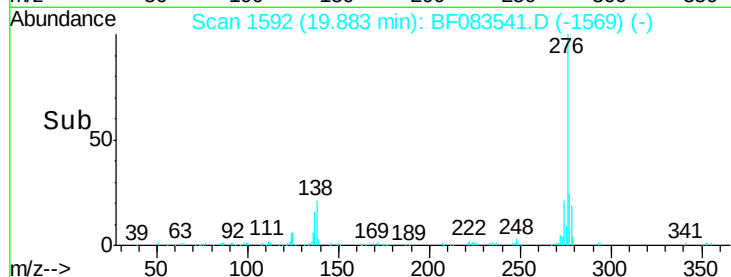
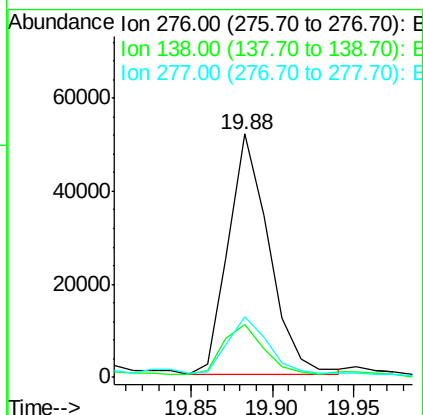
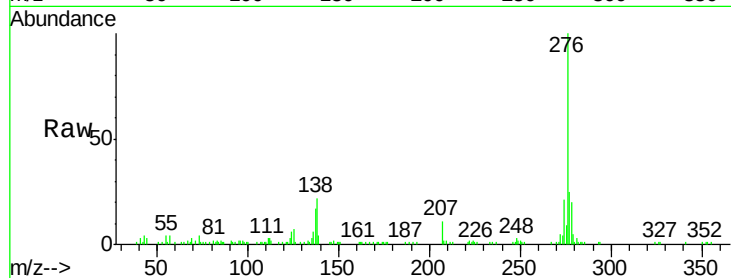




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.91 ng
 RT: 19.88 min Scan# 1592
 Delta R.T. -0.03 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

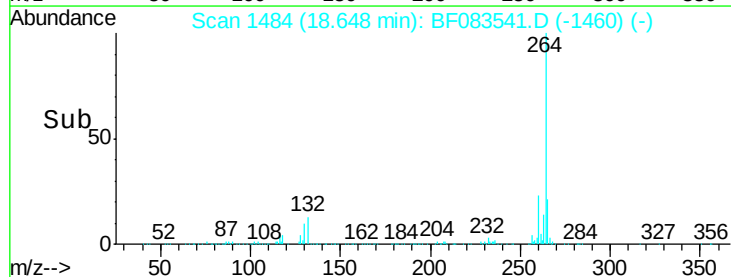
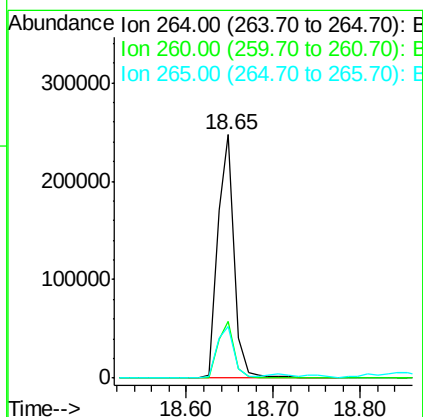
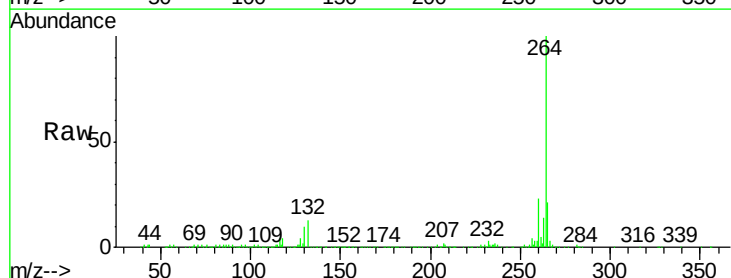
Instrument :
 BNA_G
 ClientSampleId :
 S15-15

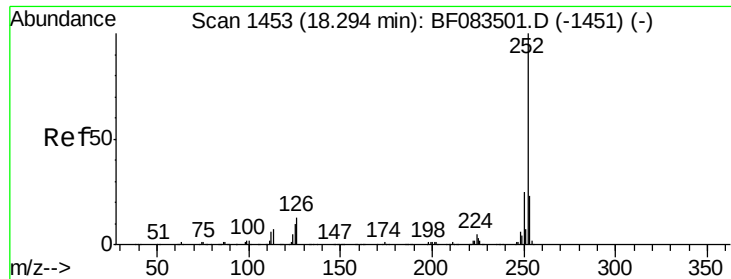
Tgt Ion:276 Resp: 88920
 Ion Ratio Lower Upper
 276 100
 138 21.4 0.0 0.0#
 277 25.4 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.65 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Tgt Ion:264 Resp: 328041
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.0
 265 21.0 17.8 26.6

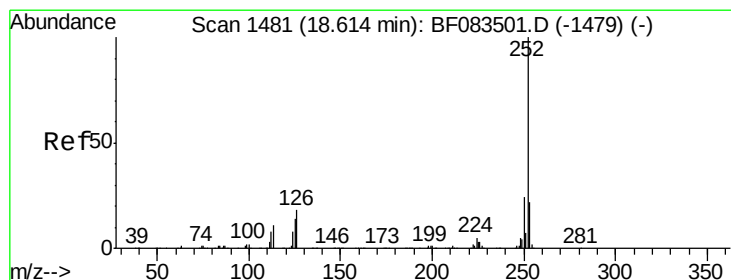
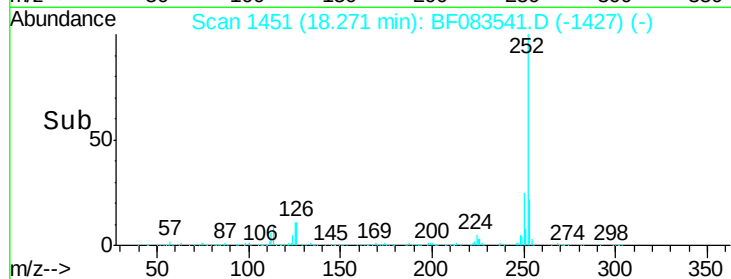
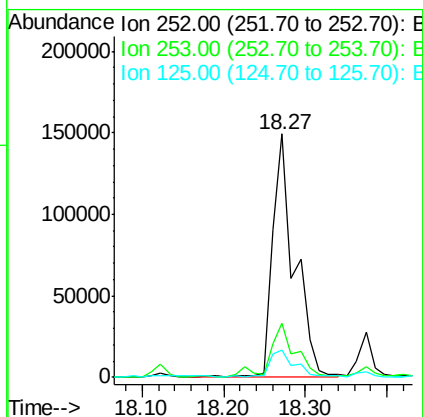
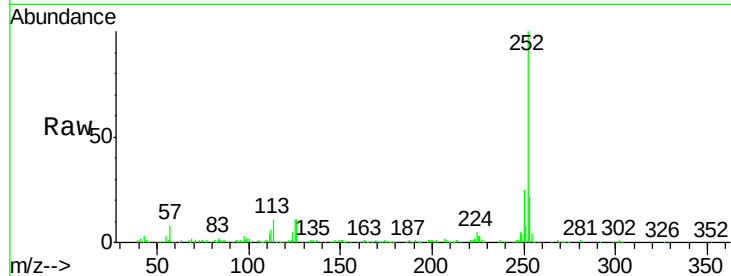




#87
Benzo(b)fluoranthene
Concen: 15.10 ng
RT: 18.27 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

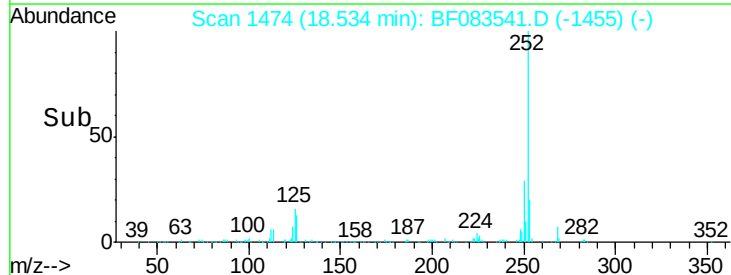
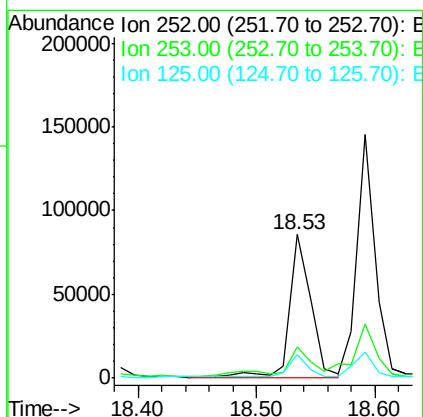
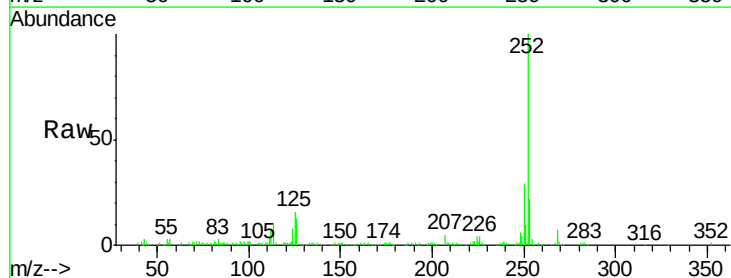
Instrument :
BNA_G
ClientSampleId :
S15-15

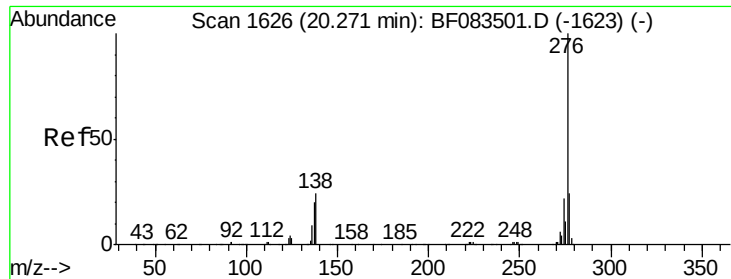
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	11.1	8.2	12.4



#89
Benzo(a)pyrene
Concen: 5.78 ng
RT: 18.53 min Scan# 1474
Delta R.T. -0.08 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	16.4	11.0	16.6





#91

Benzo(g,h,i)perylene

Concen: 5.12 ng

RT: 20.24 min Scan# 1623

Delta R.T. -0.03 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_G

ClientSampleId :

S15-15

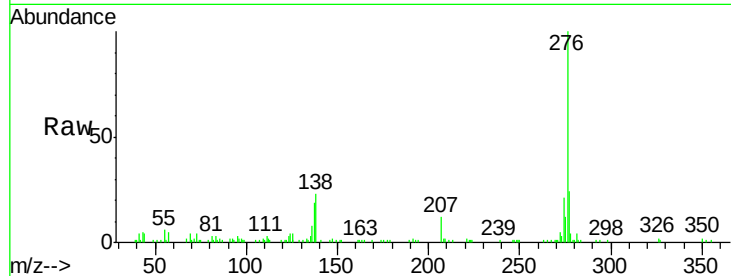
Tgt Ion: 276 Resp: 88974

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 22.6 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

