

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016534.D
 Acq On : 18 Apr 2015 23:08
 Operator : TP/IZ
 Sample : G1891-13
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-70D

Quant Time: Apr 20 04:12:18 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 03:57:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	77017	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	339425	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	190381	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	389461	20.00	ng	0.00
75) Chrysene-d12	21.22	240	316955	20.00	ng	0.00
86) Perylene-d12	23.45	264	300805	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	656332	134.49	ng	0.00
7) Phenol-d6	6.85	99	911772	124.46	ng	0.00
23) Nitrobenzene-d5	8.82	82	476256	81.28	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	159400	123.80	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	933366	83.47	ng	0.00
78) Terphenyl-d14	19.68	244	961701	71.01	ng	0.00

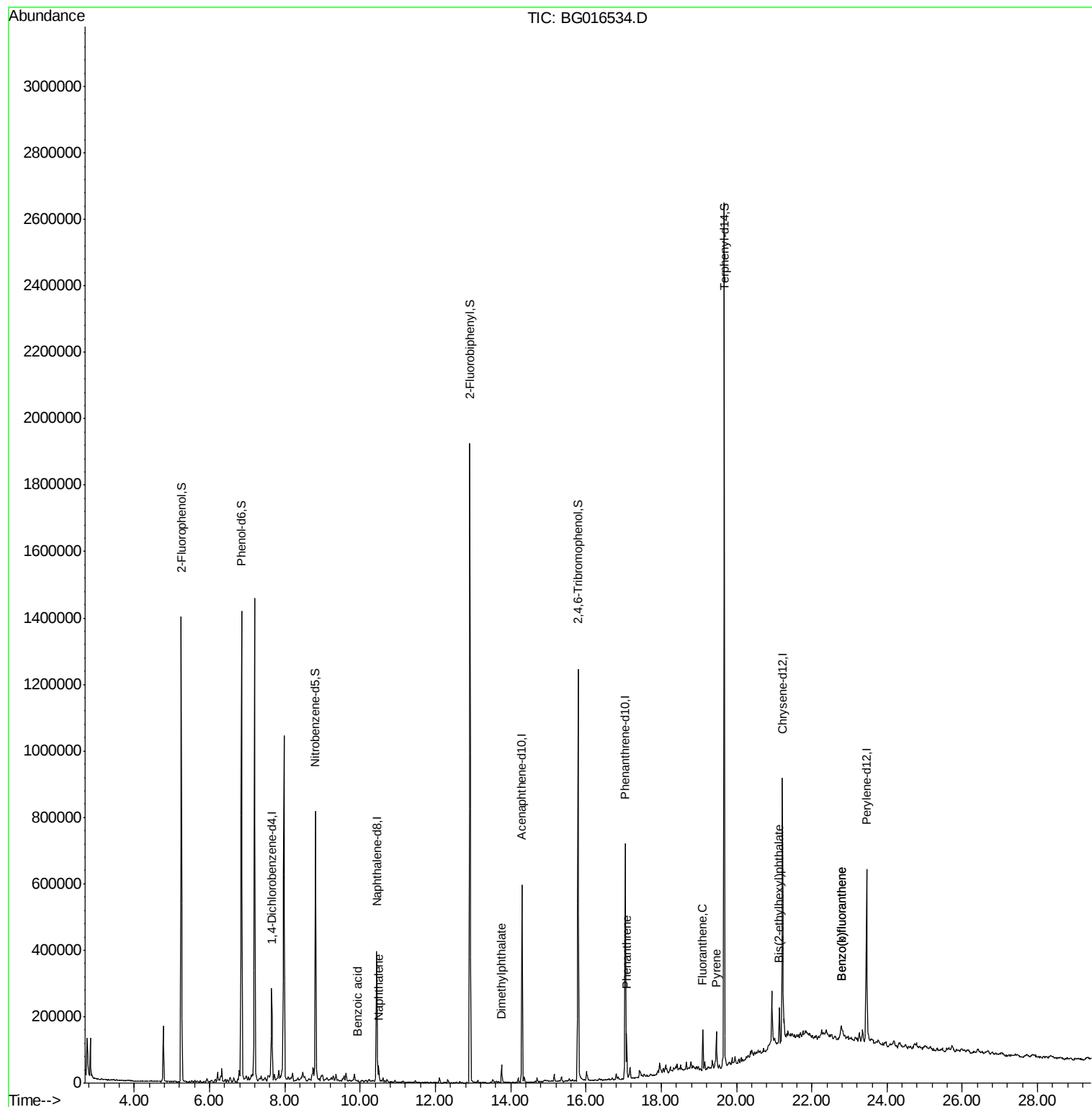
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.49	128	39718	2.25	ng	99
32) Benzoic acid	9.92	122	54	8.75	ng	# 1
49) Dimethylphthalate	13.76	163	36437	2.61	ng	99
70) Phenanthrene	17.08	178	74438	3.40	ng	99
74) Fluoranthene	19.11	202	65190	2.89	ng	92
77) Pyrene	19.46	202	60569	2.74	ng	98
83) Bis(2-ethylhexyl)phthalate	21.14	149	38746	2.64	ng	100
87) Benzo(b)fluoranthene	22.78	252	35788	2.03	ng	# 84
88) Benzo(k)fluoranthene	22.78	252	35788	2.08	ng	# 81

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 846

Delta R.T. 0.00 min

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BNA_G

ClientSampleId :

SB-70D

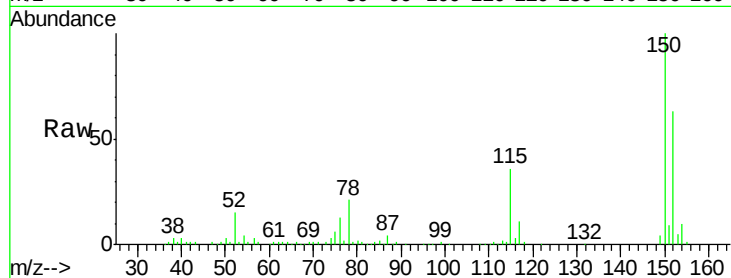
Tgt Ion:152 Resp: 77017

Ion Ratio Lower Upper

152 100

150 158.3 130.1 195.1

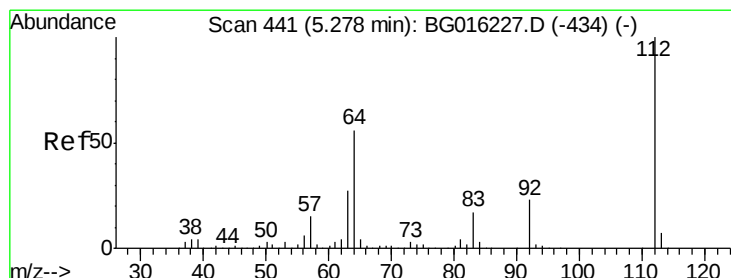
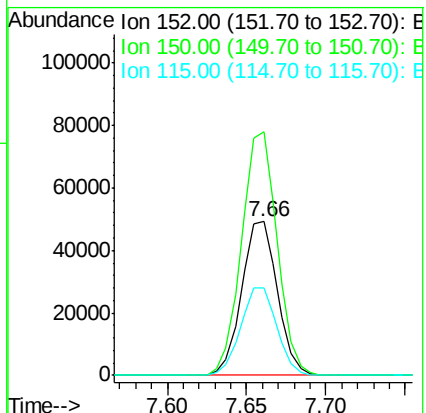
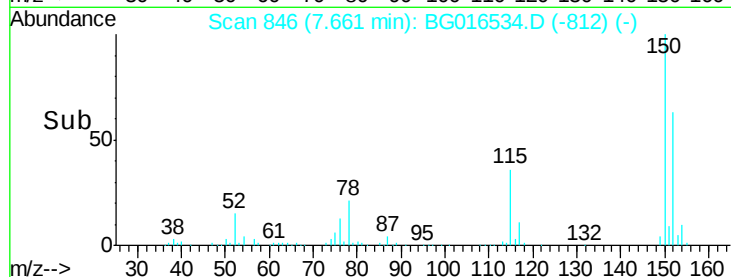
115 56.5 50.5 75.7



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: 134.49 ng

RT: 5.25 min Scan# 436

Delta R.T. 0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

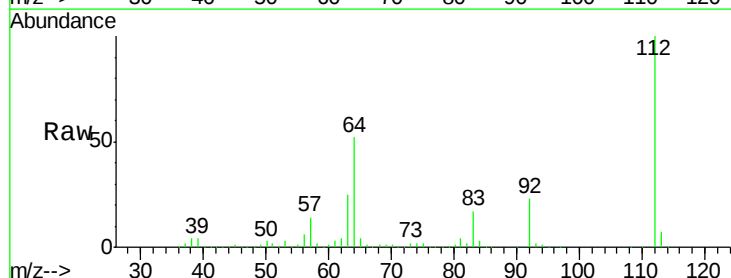
Tgt Ion:112 Resp: 656332

Ion Ratio Lower Upper

112 100

64 52.4 44.5 66.7

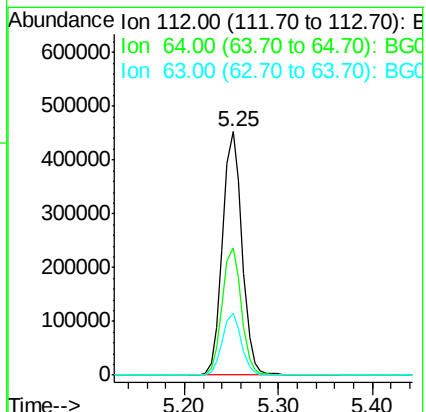
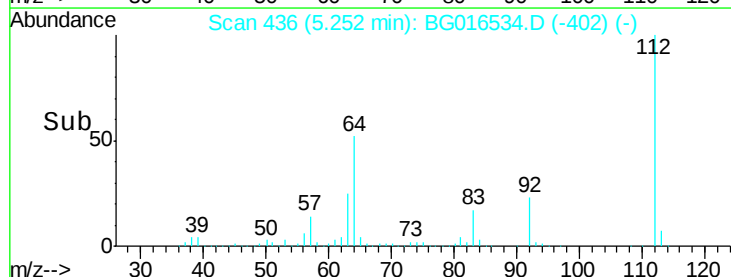
63 25.3 21.4 32.0

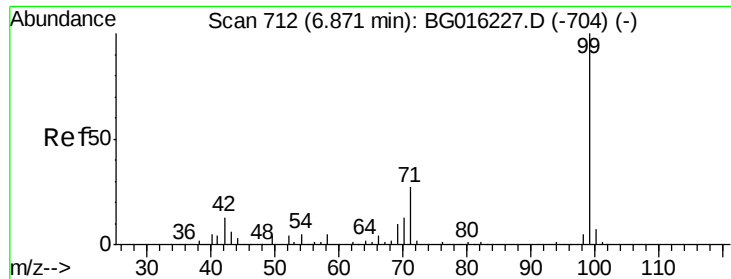


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.46 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

BNA_G

ClientSampleId :

SB-70D

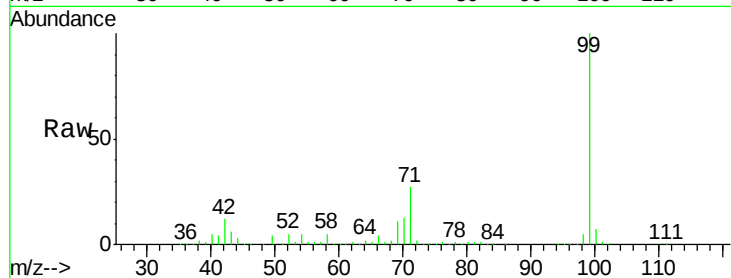
Tgt Ion: 99 Resp: 911772

Ion Ratio Lower Upper

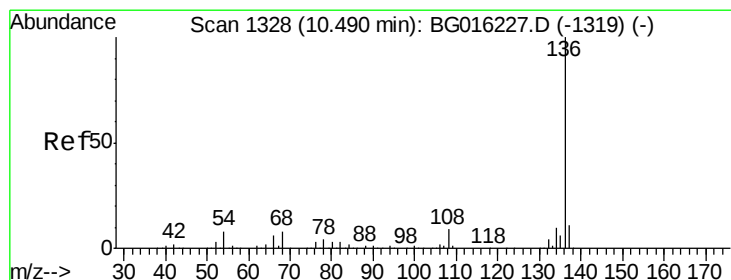
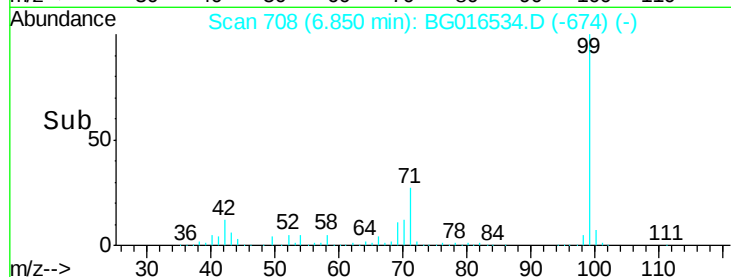
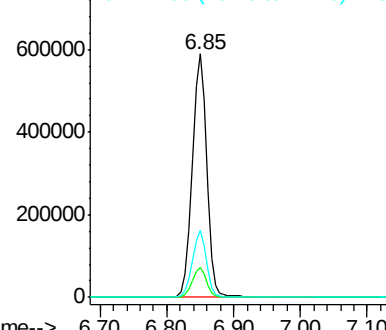
99 100

42 12.5 10.0 15.0

71 27.3 21.5 32.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.45 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Tgt Ion: 136 Resp: 339425

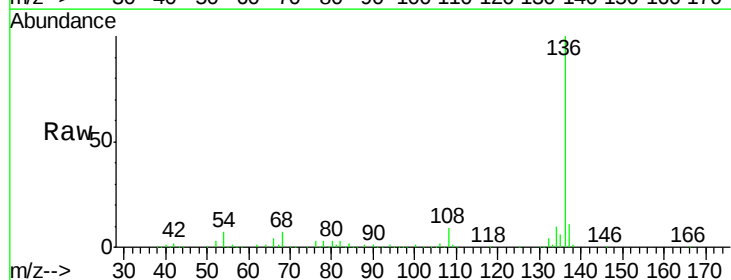
Ion Ratio Lower Upper

136 100

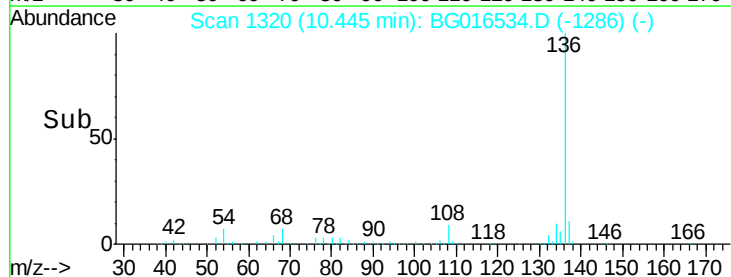
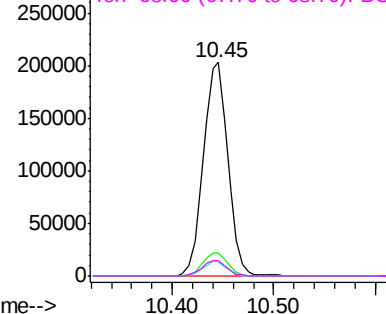
137 10.9 8.7 13.1

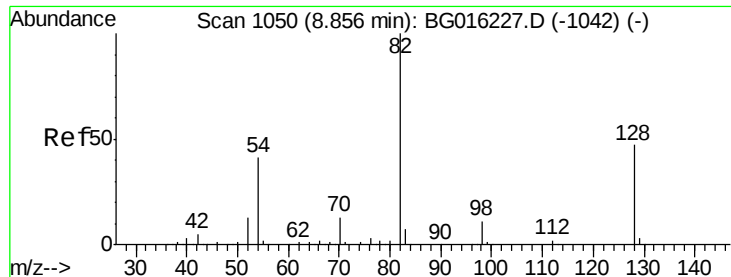
54 6.8 6.3 9.5

68 6.9 6.5 9.7



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





#23

Nitrobenzene-d5

Concen: 81.28 ng

RT: 8.82 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

BNA_G

ClientSampleId :

SB-70D

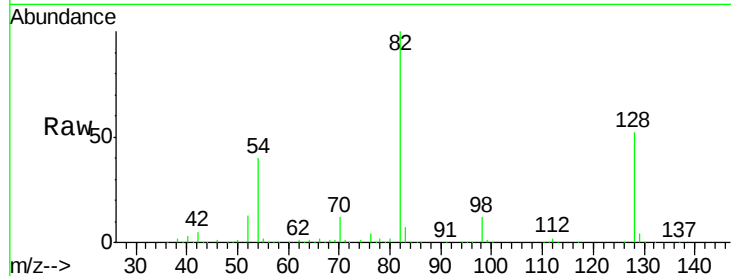
Tgt Ion: 82 Resp: 476256

Ion Ratio Lower Upper

82 100

128 51.7 37.8 56.8

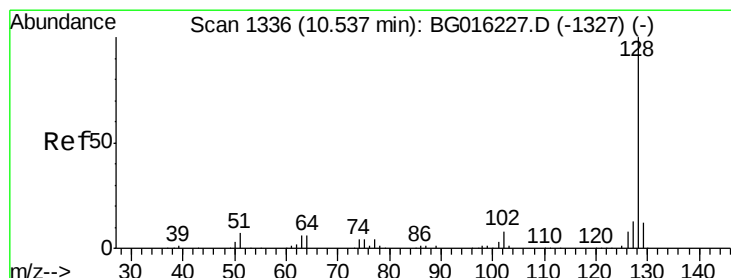
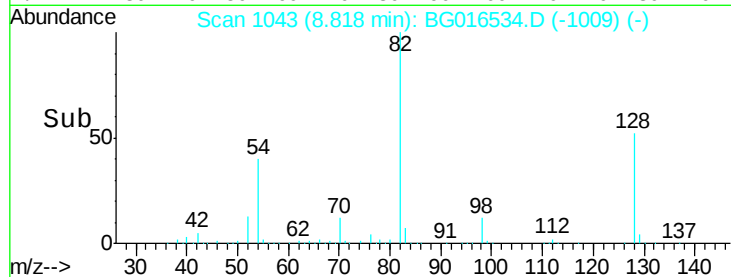
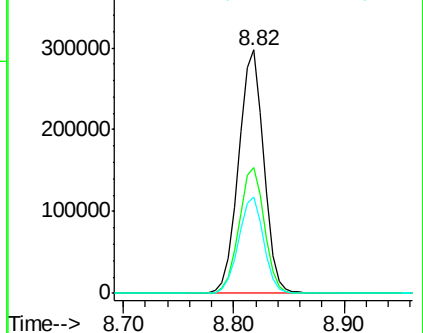
54 39.7 32.6 49.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#31

Naphthalene

Concen: 2.25 ng

RT: 10.49 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

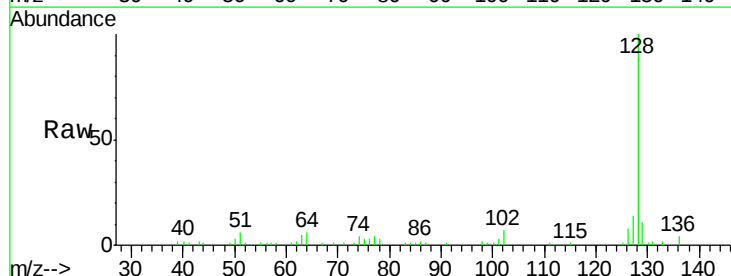
Tgt Ion: 128 Resp: 39718

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

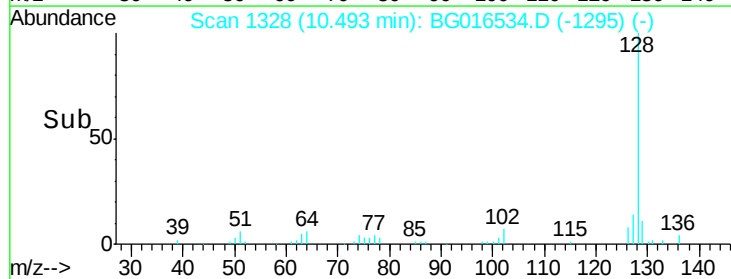
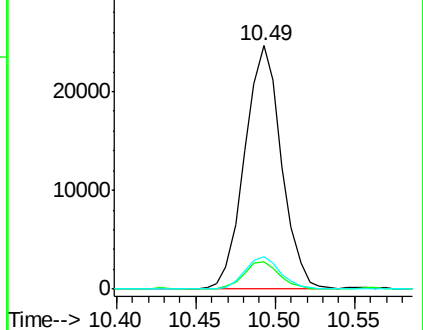
127 13.5 10.6 16.0

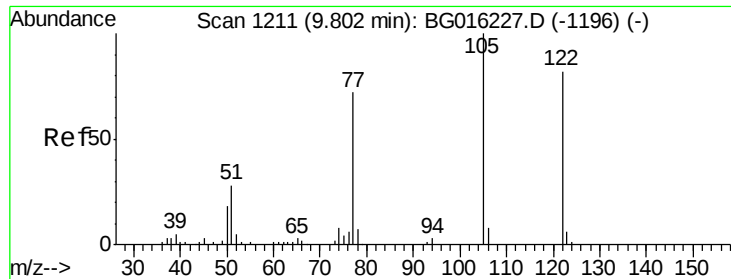


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

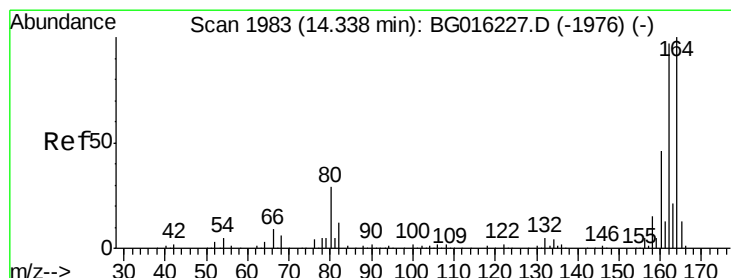
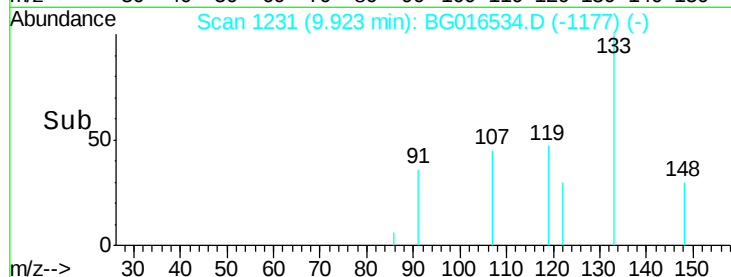
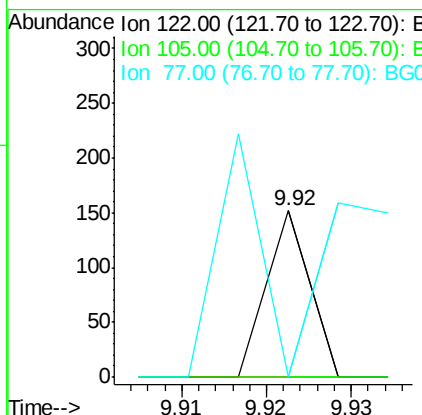
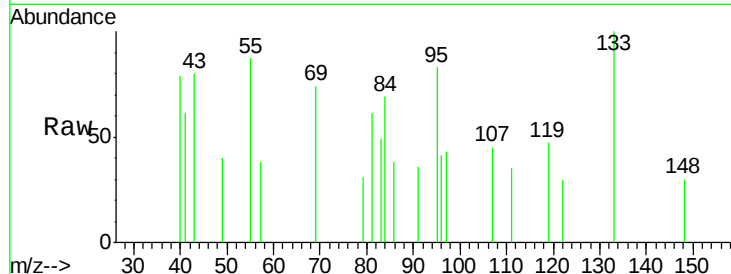




#32
Benzoic acid
Concen: 8.75 ng
RT: 9.92 min Scan# 1231
Delta R.T. 0.12 min
Lab File: BG016534.D
Acq: 18 Apr 2015 23:08

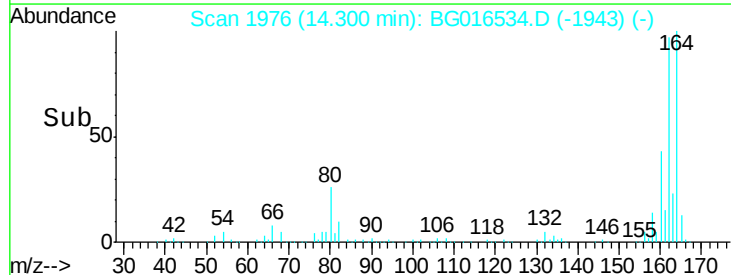
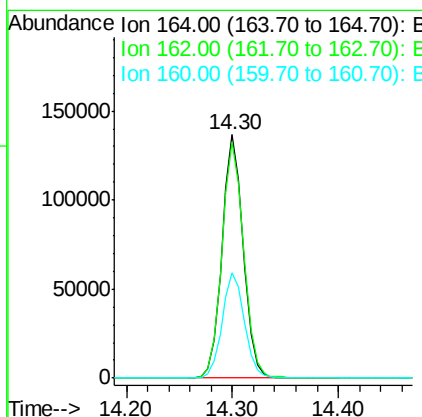
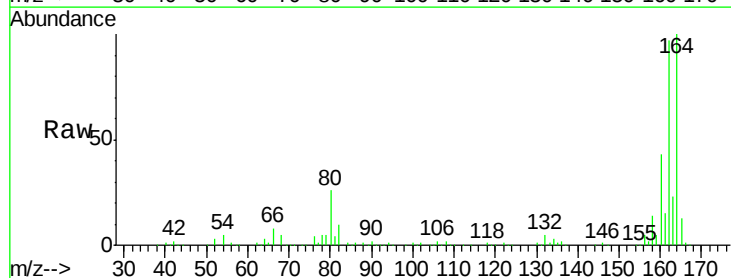
Instrument :
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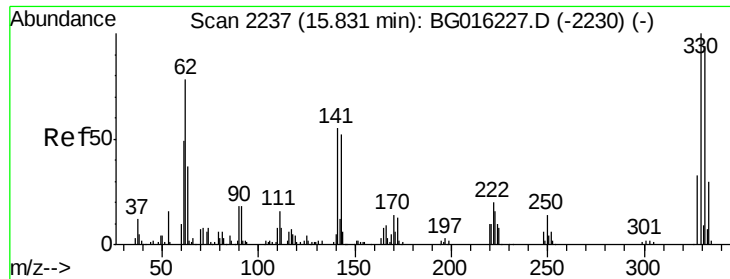
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 99.7 139.7#
77 0.0 66.8 106.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.30 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG016534.D
Acq: 18 Apr 2015 23:08

Tgt Ion:164 Resp: 190381
Ion Ratio Lower Upper
164 100
162 96.9 77.3 115.9
160 43.3 36.7 55.1

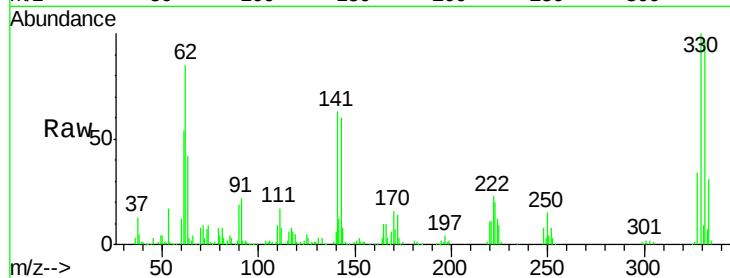




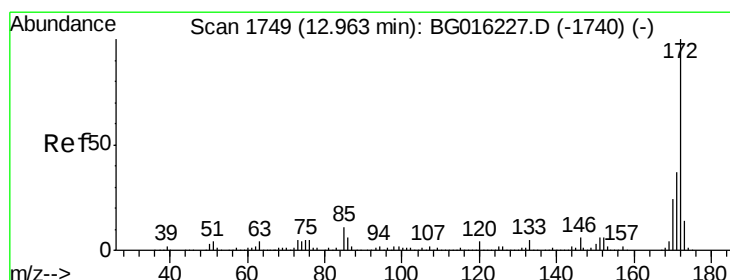
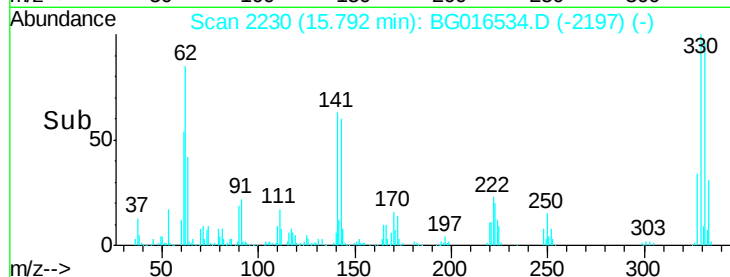
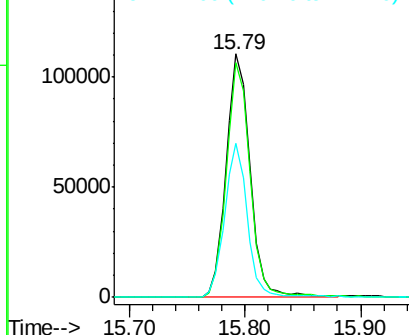
#41
 2,4,6-Tribromophenol
 Concen: 123.80 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG016534.D
 Acq: 18 Apr 2015 23:08

Instrument :
 BNA_G
 ClientSampleId :
 SB-70D

Tgt Ion:330 Resp: 159400
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.8 113.6
 141 60.4 46.6 69.8

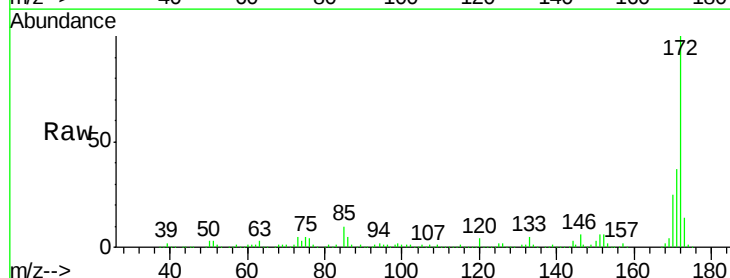


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

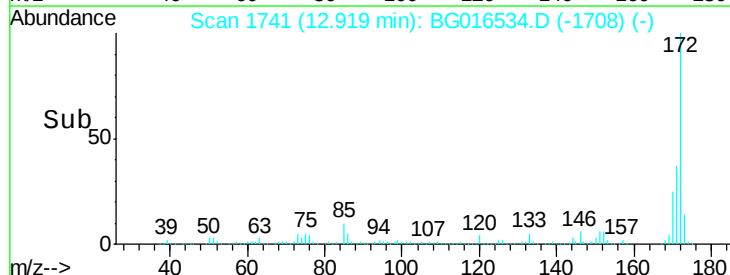
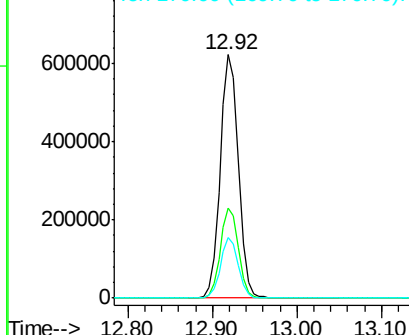


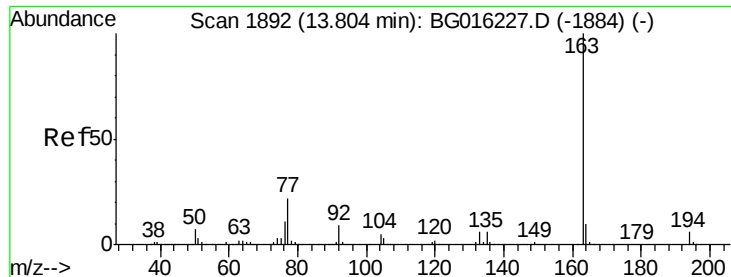
#44
 2-Fluorobiphenyl
 Concen: 83.47 ng
 RT: 12.92 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG016534.D
 Acq: 18 Apr 2015 23:08

Tgt Ion:172 Resp: 933366
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.6 44.4
 170 25.0 19.4 29.2



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: 2.61 ng

RT: 13.76 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

BNA_G

ClientSampleId :

SB-70D

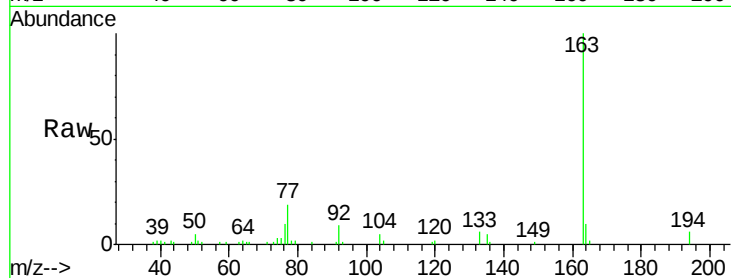
Tgt Ion:163 Resp: 36437

Ion Ratio Lower Upper

163 100

194 6.2 5.0 7.4

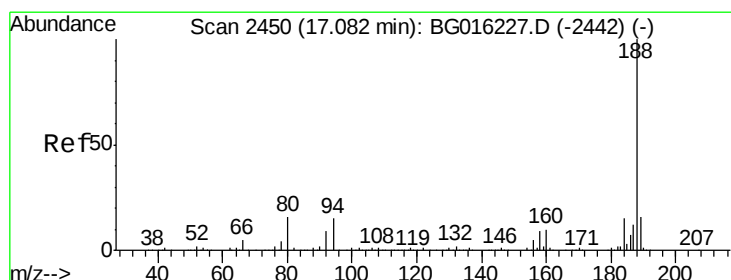
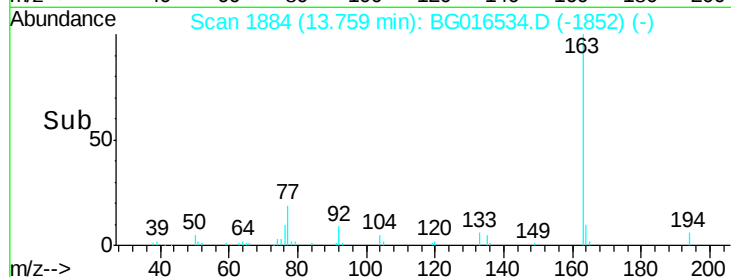
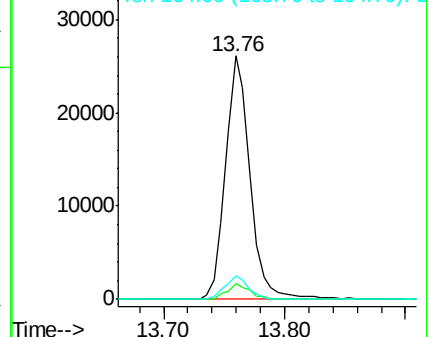
164 9.7 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

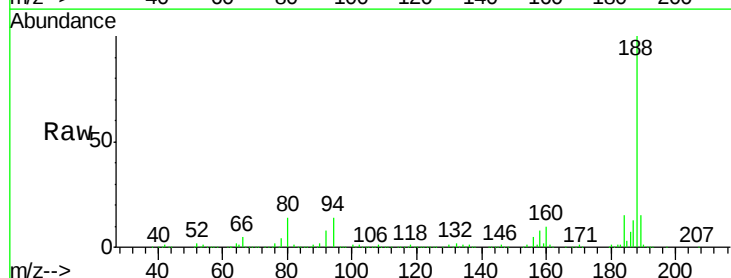
Tgt Ion:188 Resp: 389461

Ion Ratio Lower Upper

188 100

94 13.8 12.2 18.4

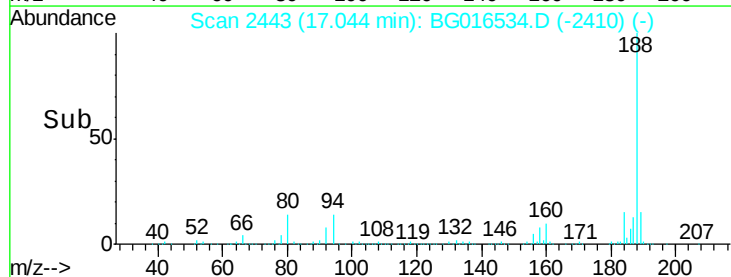
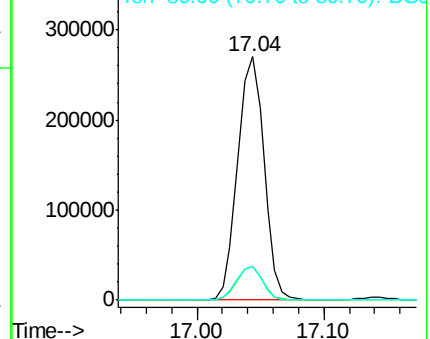
80 14.0 12.8 19.2

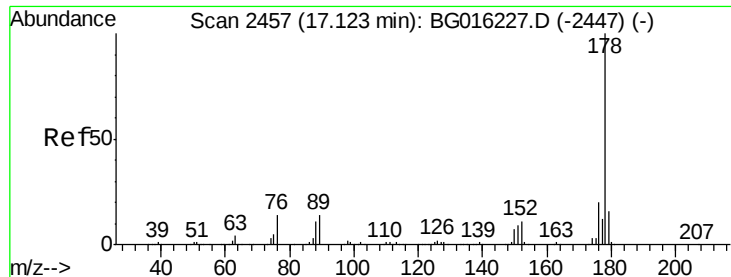


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.40 ng

RT: 17.08 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

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SB-70D

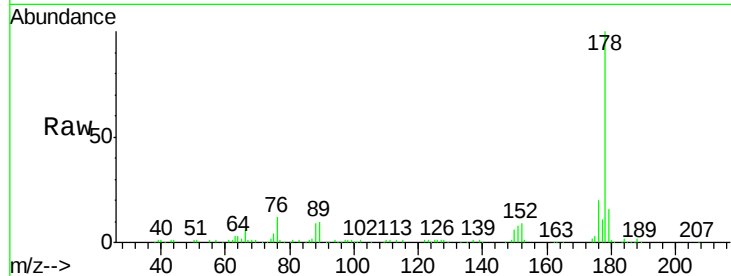
Tgt Ion:178 Resp: 74438

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

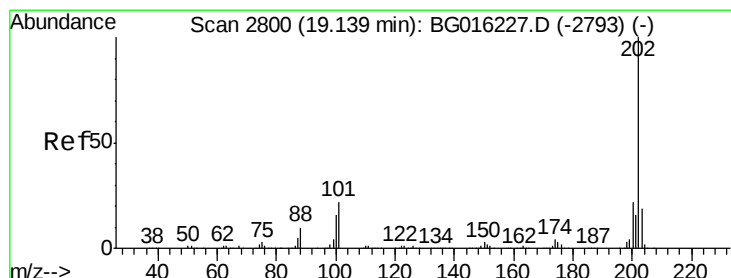
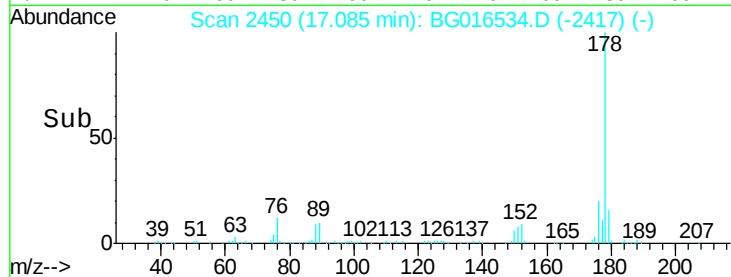
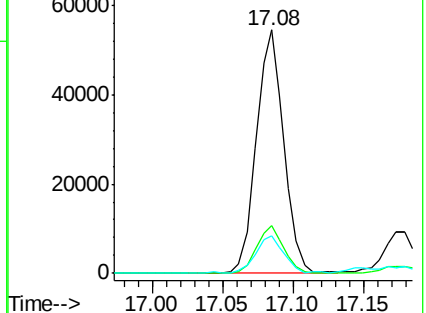
179 15.5 12.7 19.1



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: 2.89 ng

RT: 19.11 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

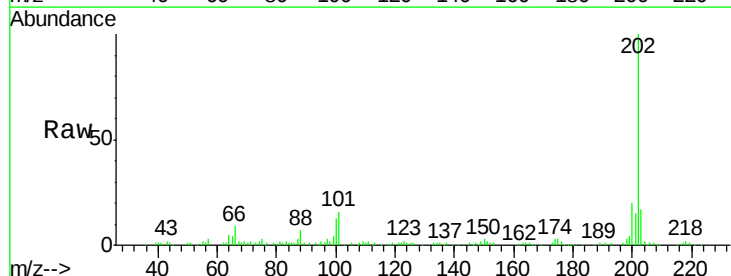
Tgt Ion:202 Resp: 65190

Ion Ratio Lower Upper

202 100

101 16.4 1.7 41.7

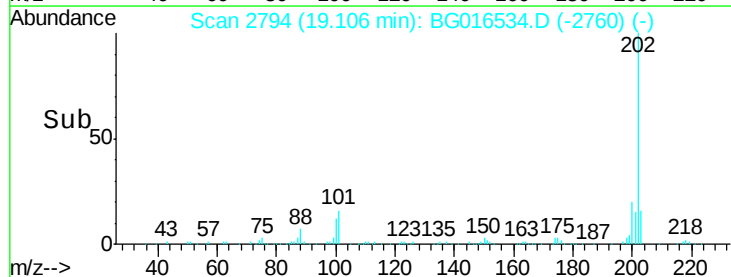
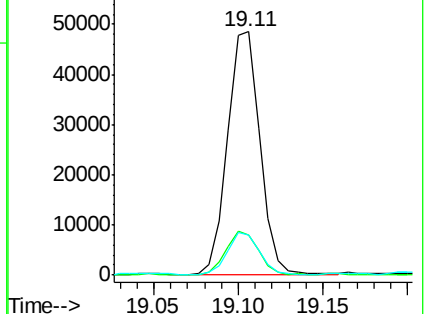
203 16.5 0.0 38.7

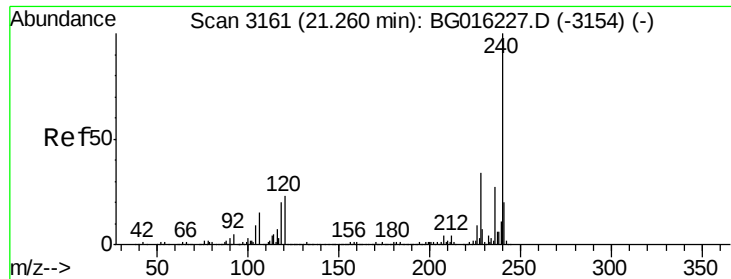


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.22 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

BNA_G

ClientSampleId :

SB-70D

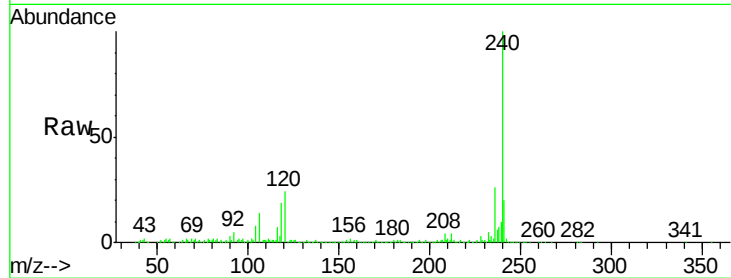
Tgt Ion:240 Resp: 316955

Ion Ratio Lower Upper

240 100

120 23.8 18.6 28.0

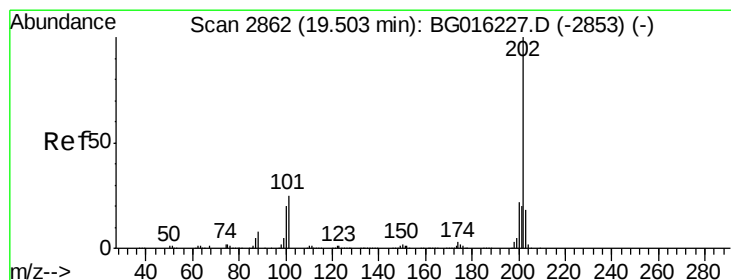
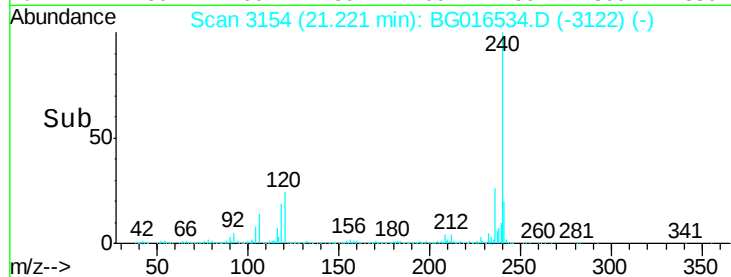
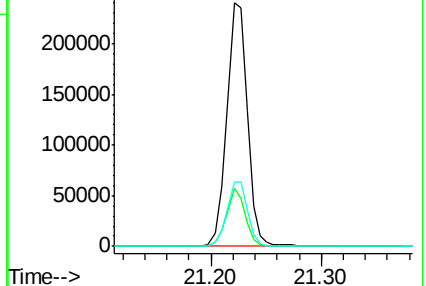
236 26.4 21.7 32.5



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: 2.74 ng

RT: 19.46 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

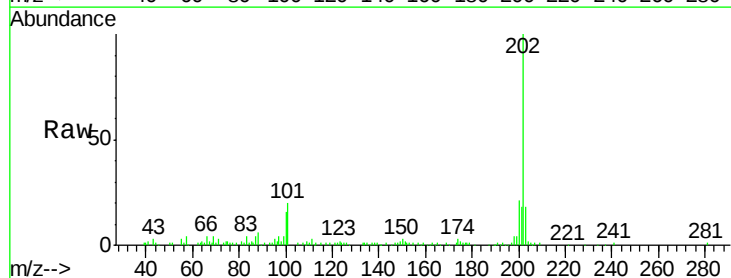
Tgt Ion:202 Resp: 60569

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.8

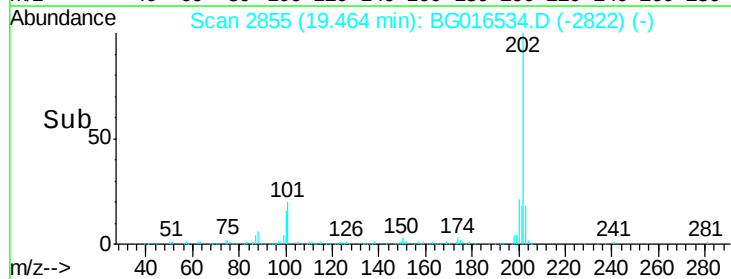
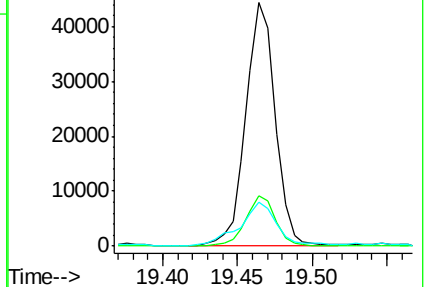
203 18.2 14.7 22.1

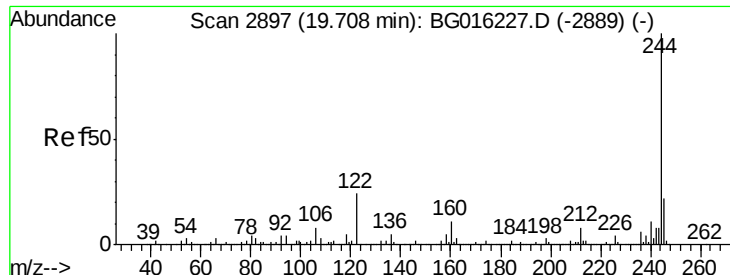


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.01 ng

RT: 19.68 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

BNA_G

ClientSampled :

SB-70D

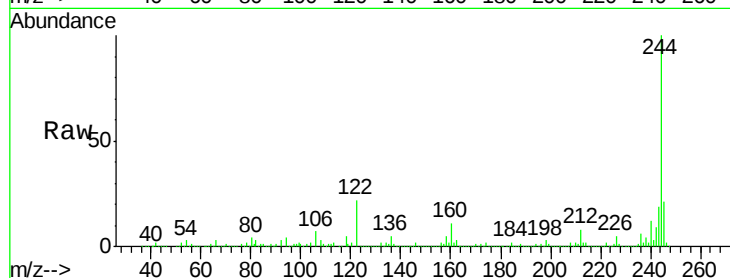
Tgt Ion:244 Resp: 961701

Ion Ratio Lower Upper

244 100

212 8.3 6.6 9.8

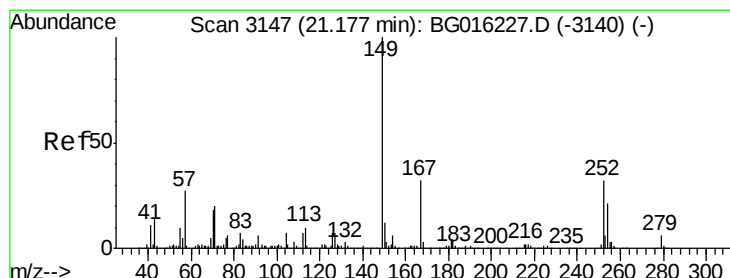
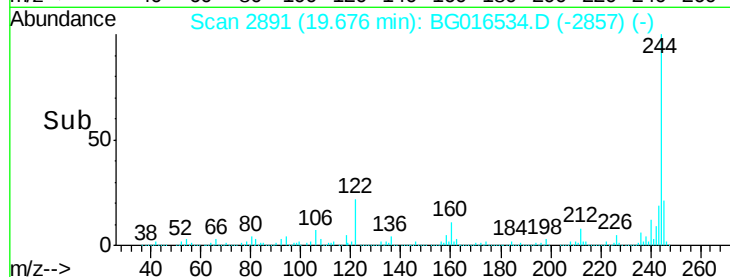
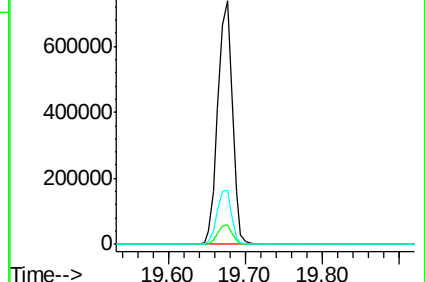
122 22.1 19.1 28.7



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.64 ng

RT: 21.14 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

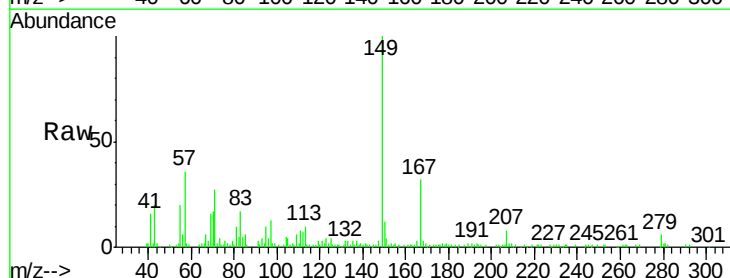
Tgt Ion:149 Resp: 38746

Ion Ratio Lower Upper

149 100

167 32.1 25.8 38.6

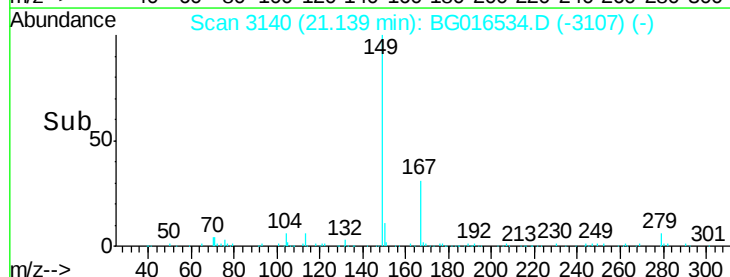
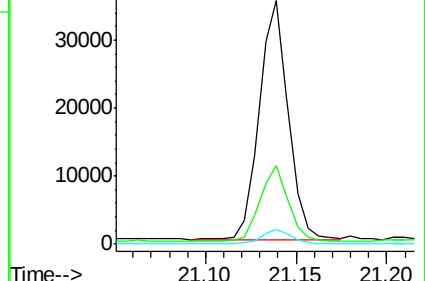
279 5.7 4.7 7.1

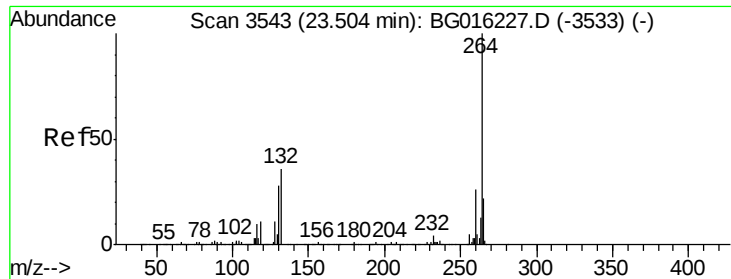


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



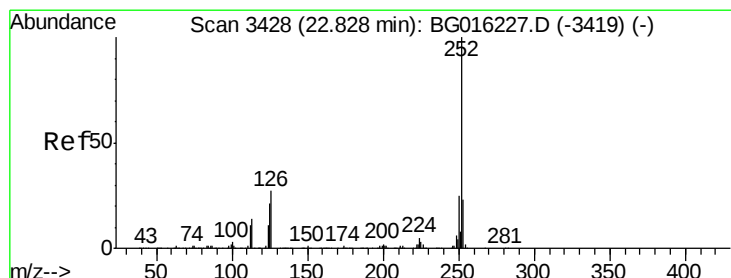
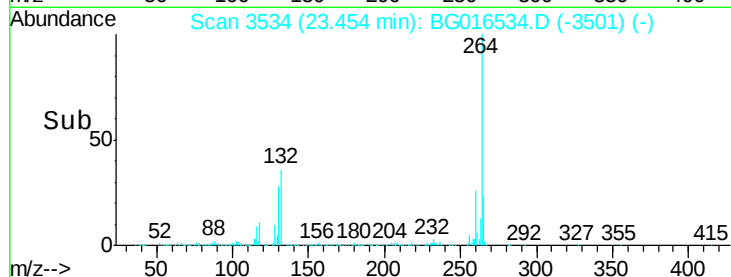
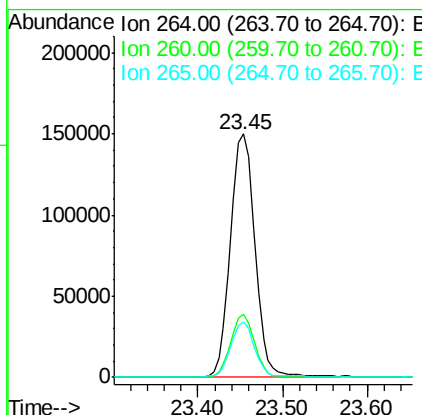
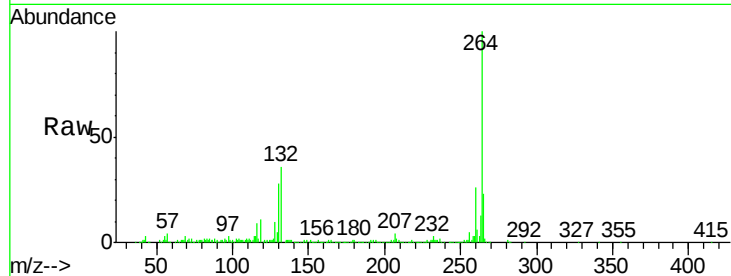


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BG016534.D
Acq: 18 Apr 2015 23:08

Instrument :
BNA_G
ClientSampleId :
SB-70D

Tgt Ion: 264 Resp: 300805

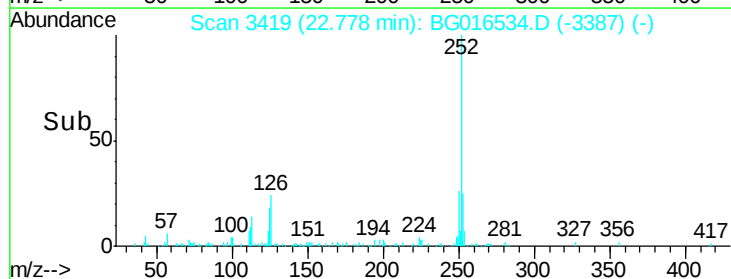
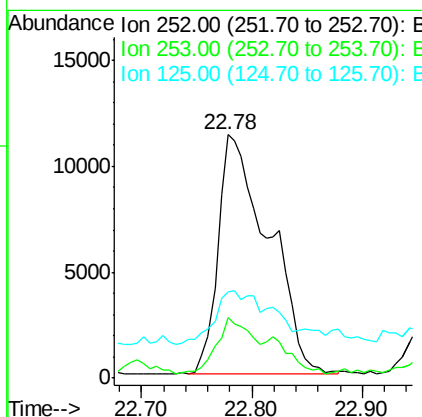
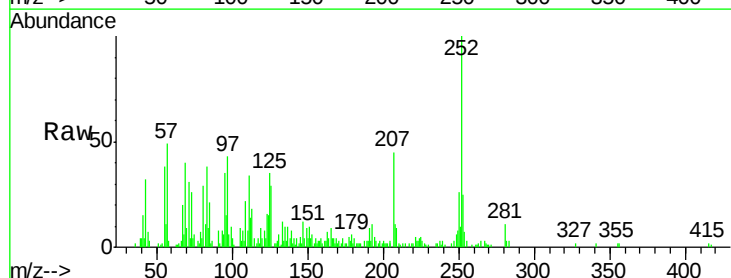
Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.4	30.6
265	22.6	17.2	25.8

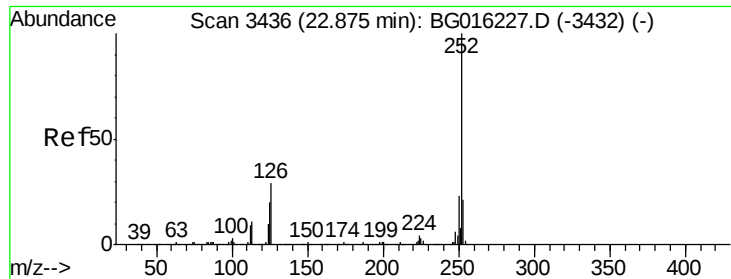


#87
Benzo(b)fluoranthene
Concen: 2.03 ng
RT: 22.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: BG016534.D
Acq: 18 Apr 2015 23:08

Tgt Ion: 252 Resp: 35788

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	35.2	17.0	25.6





#88

Benzo(k)fluoranthene

Concen: 2.08 ng

RT: 22.78 min Scan# 3419

Delta R.T. -0.05 min

Lab File: BG016534.D

Acq: 18 Apr 2015 23:08

Instrument :

BNA_G

ClientSampleId :

SB-70D

Tgt Ion: 252 Resp: 35788

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 35.2 16.3 24.5#

