

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111317\
 Data File : BG030999.D
 Acq On : 14 Nov 2017 7:50
 Operator : SJ/JU
 Sample : I6436-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 153RD-63RD-ST-DRUM

Quant Time: Nov 14 11:26:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

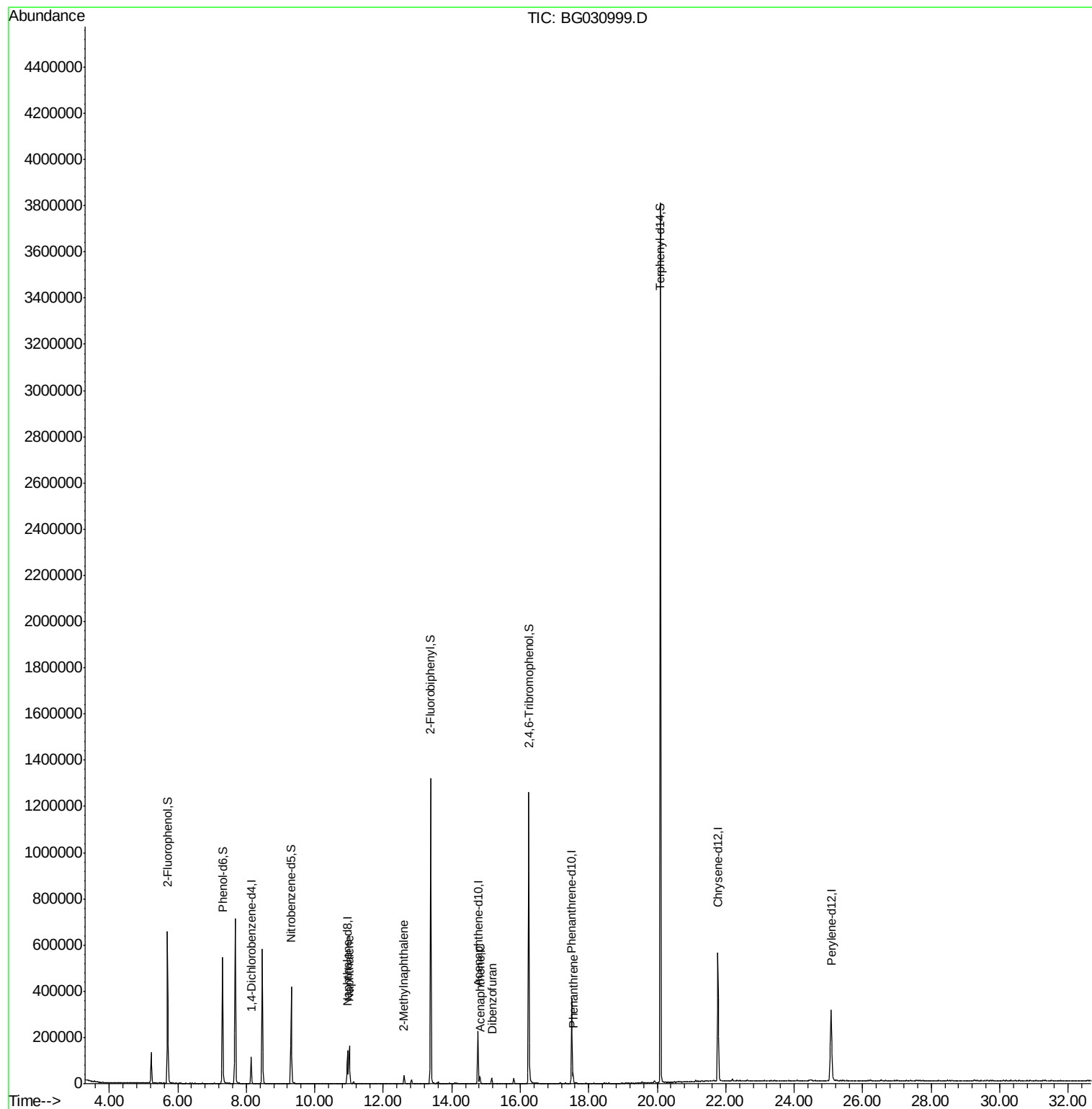
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	35156	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	134848	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	86958	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	252368	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	400321	20.00	ng	-0.01
86) Perylene-d12	25.07	264	400733	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	302709	147.65	ng	0.00
7) Phenol-d6	7.31	99	338958	122.72	ng	0.00
23) Nitrobenzene-d5	9.31	82	261806	115.05	ng	-0.01
41) 2,4,6-Tribromophenol	16.25	330	302053	214.72	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	762396	125.98	ng	-0.02
78) Terphenyl-d14	20.09	244	1891077	104.31	ng	0.00
Target Compounds						
31) Naphthalene	11.01	128	148613	22.419	ng	99
37) 2-Methylnaphthalene	12.61	142	19931	3.895	ng	98
51) Acenaphthene	14.82	154	12974	2.440	ng	92
54) Dibenzofuran	15.16	168	20621	2.434	ng	98
70) Phenanthrene	17.55	178	33088	2.518	ng	97

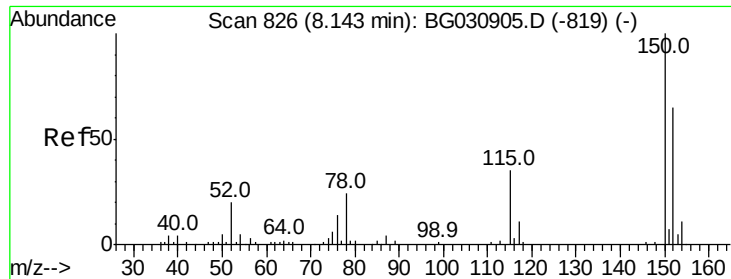
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 2017
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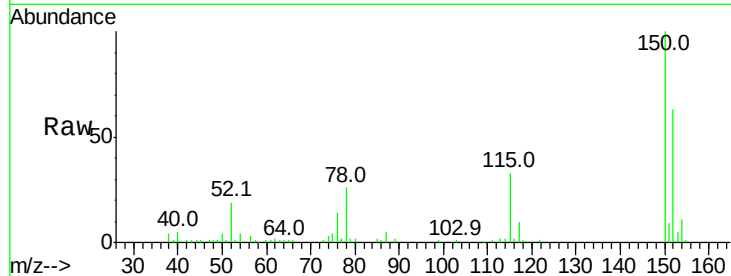


#1

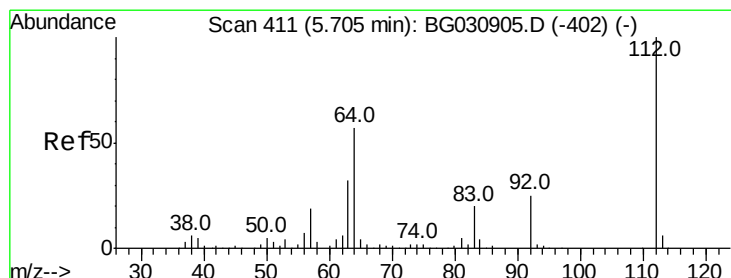
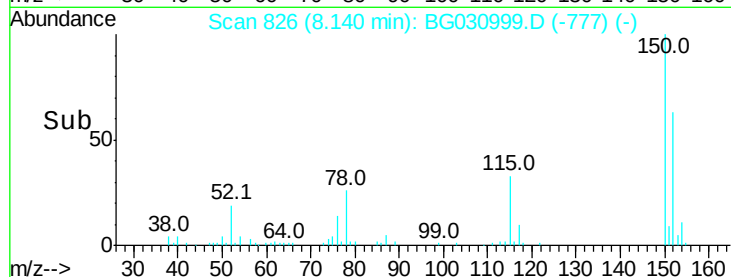
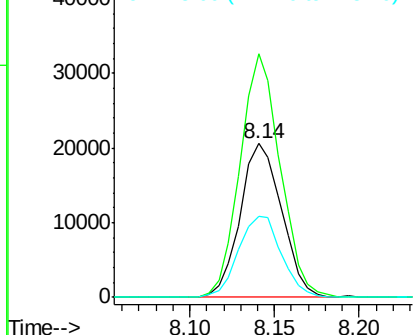
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG030999.D
Acq: 14 Nov 2017 7:50

Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

Tot Ion:152 Resp: 35156
Ion Ratio Lower Upper
152 100
150 158.6 126.6 189.8
115 53.1 53.0 79.4



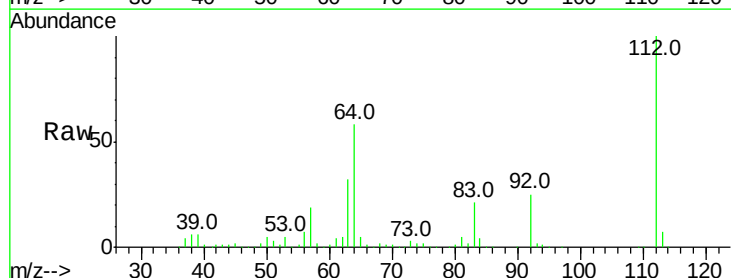
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



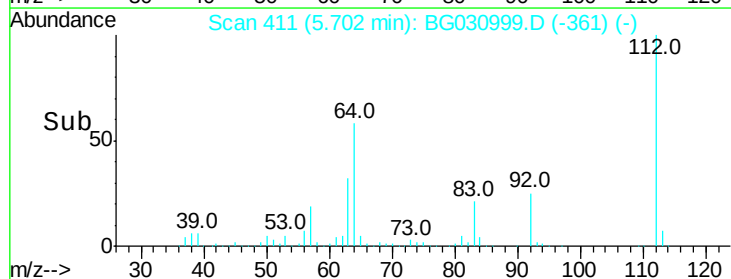
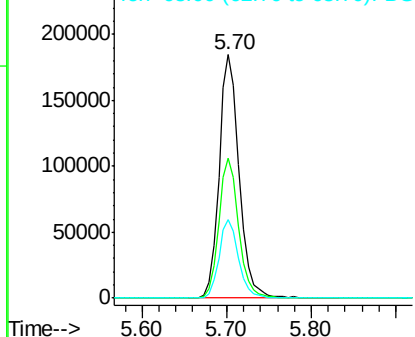
#5

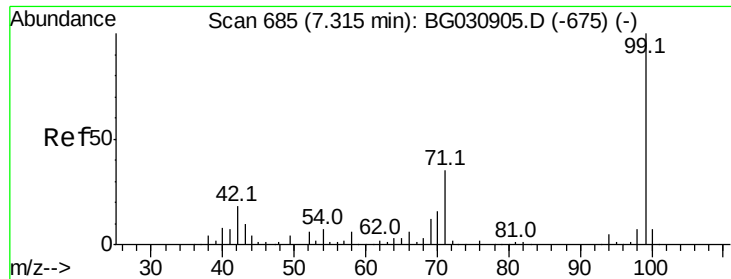
2-Fluorophenol
Concen: 147.649 ng
RT: 5.70 min Scan# 411
Delta R.T. -0.01 min
Lab File: BG030999.D
Acq: 14 Nov 2017 7:50

Tgt Ion:112 Resp: 302709
Ion Ratio Lower Upper
112 100
64 57.6 56.3 84.5
63 32.0 30.1 45.1



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: 122.719 ng

RT: 7.31 min Scan# 684

Delta R.T. -0.00 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

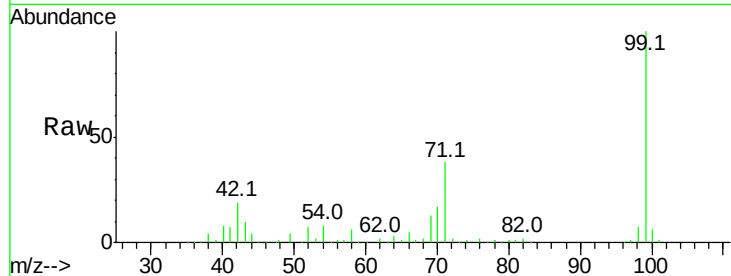
Tot Ion: 99 Resp: 338958

Ion Ratio Lower Upper

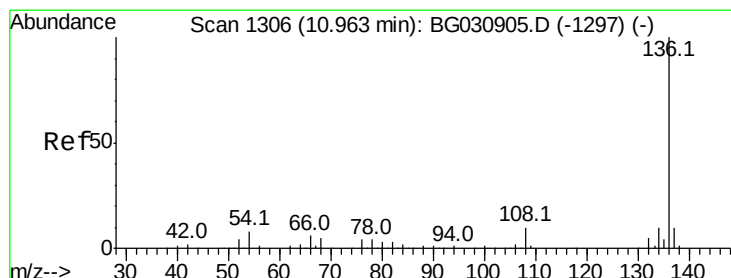
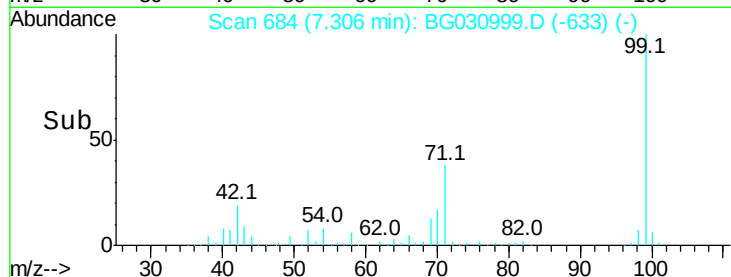
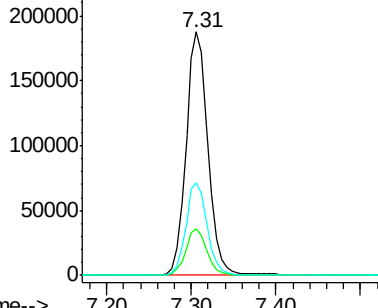
99 100

42 19.0 14.1 21.1

71 37.8 26.1 39.1



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: 20.000 ng

RT: 10.95 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

Tgt Ion: 136 Resp: 134848

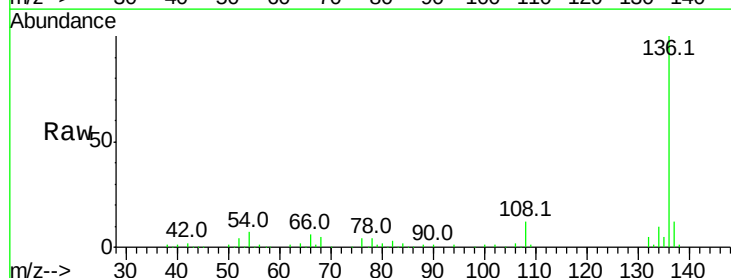
Ion Ratio Lower Upper

136 100

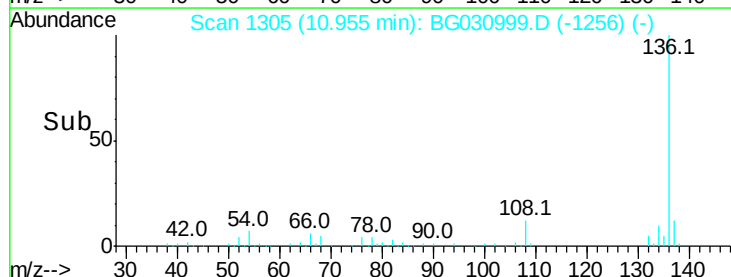
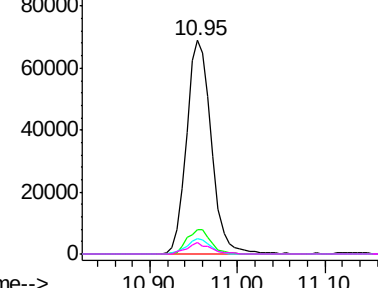
137 11.6 9.2 13.8

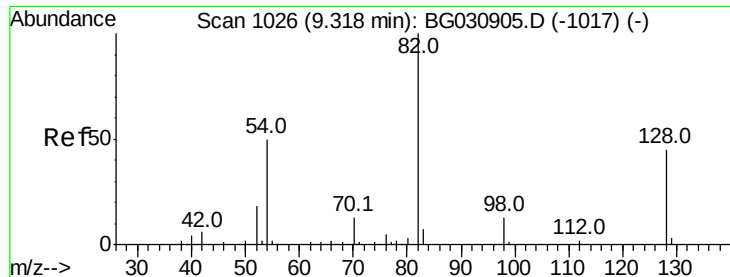
54 7.1 10.3 15.5#

68 5.2 4.5 6.7



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: 115.045 ng

RT: 9.31 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

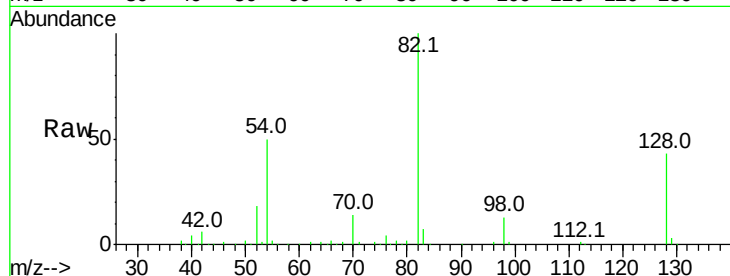
Tot Ion: 82 Resp: 261806

Ion Ratio Lower Upper

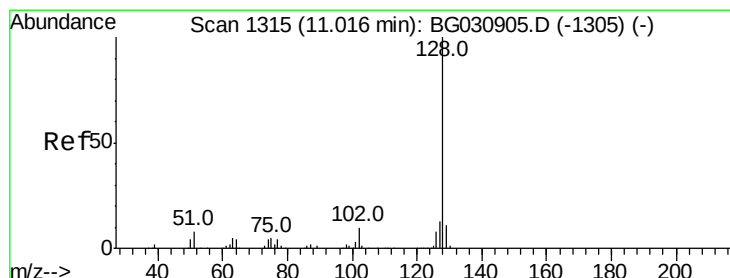
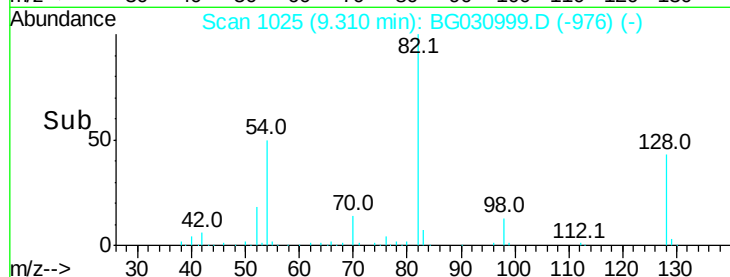
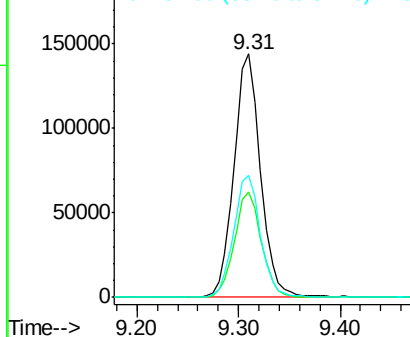
82 100

128 43.1 29.7 44.5

54 49.9 43.1 64.7



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: 22.419 ng

RT: 11.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

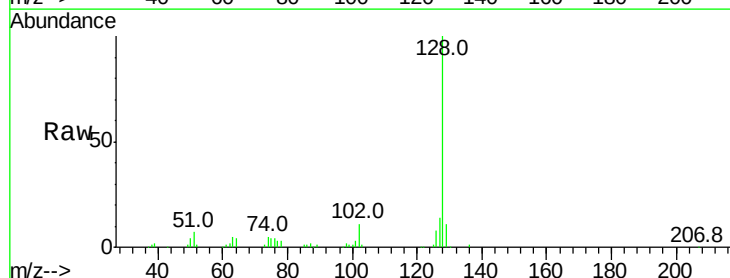
Tgt Ion:128 Resp: 148613

Ion Ratio Lower Upper

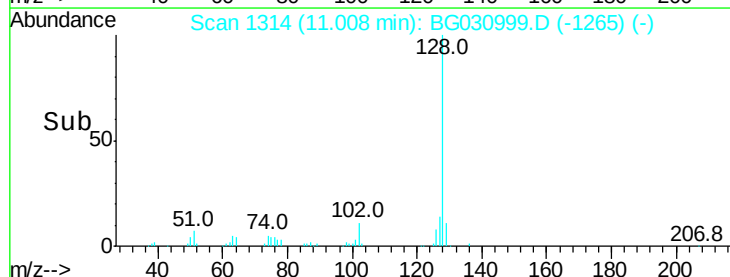
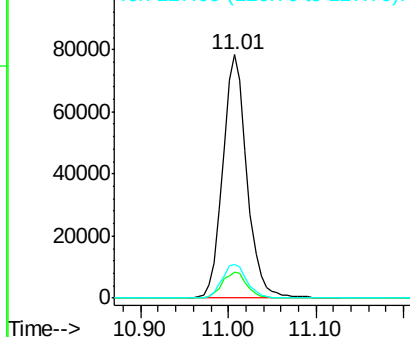
128 100

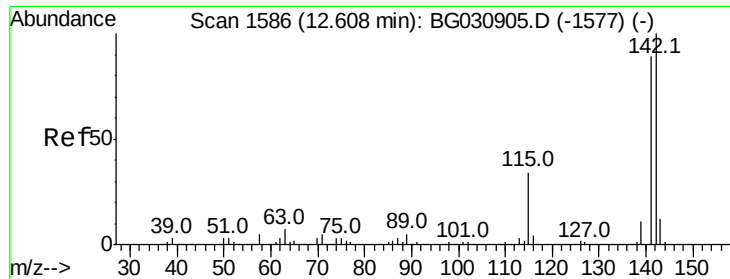
129 10.9 8.6 12.8

127 13.8 11.6 17.4



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

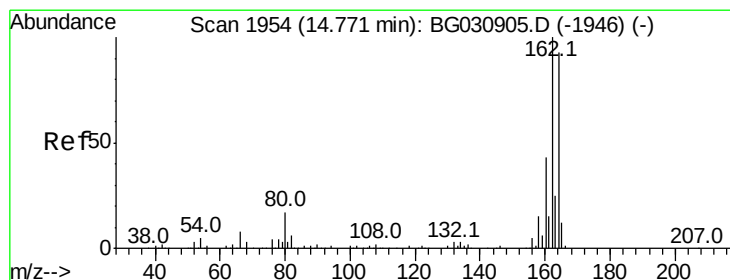
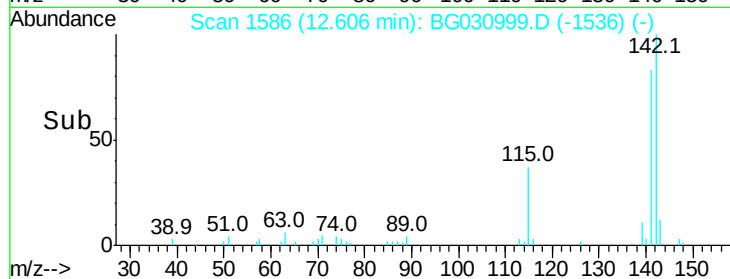
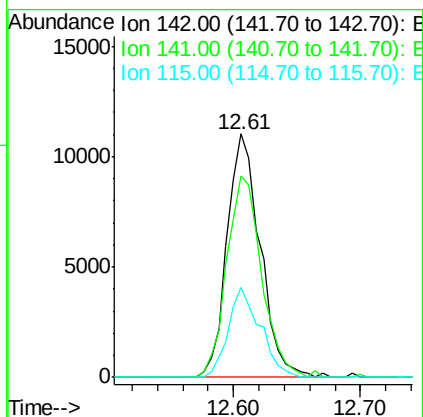
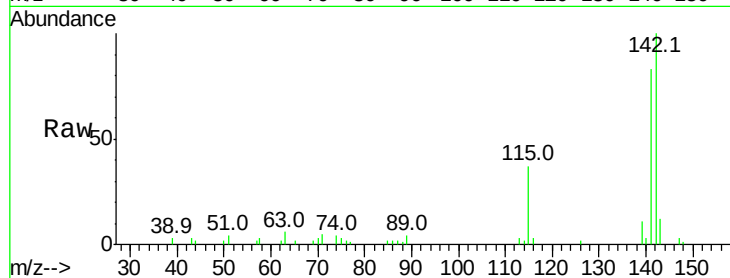




#37
 2-Methylnaphthalene
 Concen: 3.895 ng
 RT: 12.61 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BG030999.D
 Acq: 14 Nov 2017 7:50

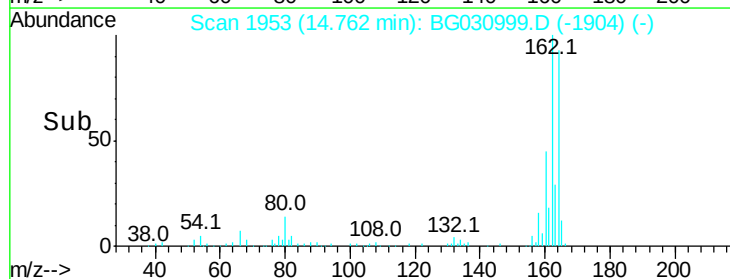
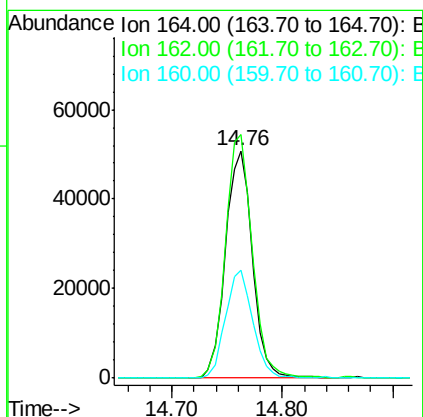
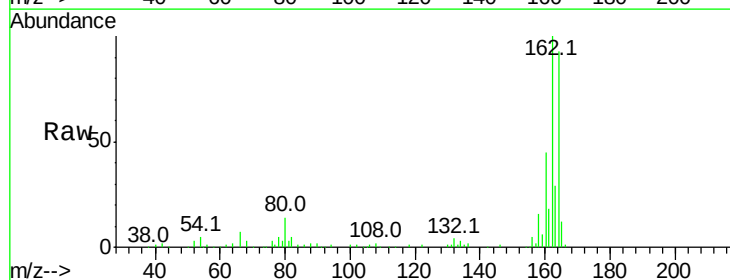
Instrument :
 BNA_G
 ClientSampleId :
 153RD-63RD-ST-DRUM

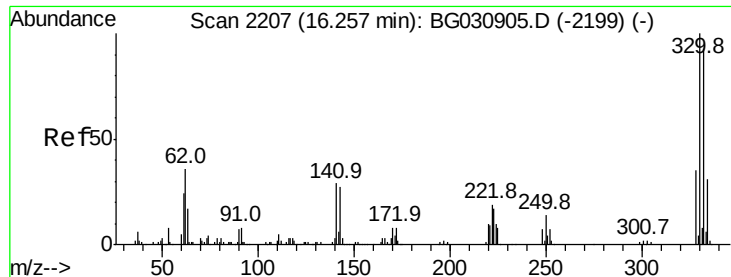
Tot Ion:142 Resp: 19931
 Ion Ratio Lower Upper
 142 100
 141 82.8 67.1 100.7
 115 37.1 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.76 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BG030999.D
 Acq: 14 Nov 2017 7:50

Tgt Ion:164 Resp: 86958
 Ion Ratio Lower Upper
 164 100
 162 107.1 78.8 118.2
 160 47.7 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 214.725 ng

RT: 16.25 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

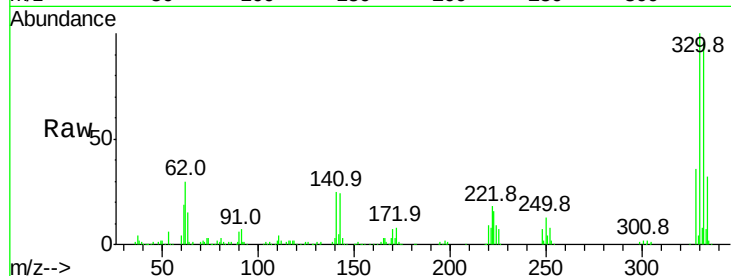
Tot Ion:330 Resp: 302053

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

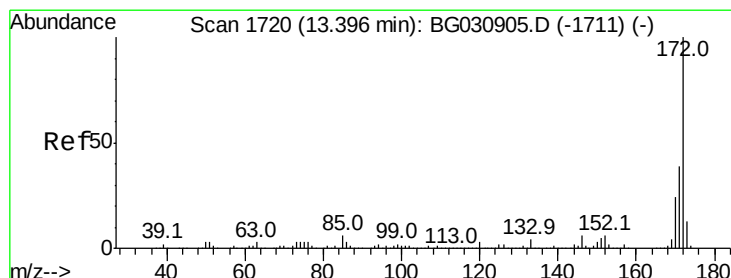
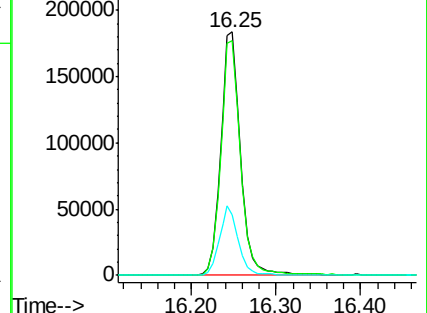
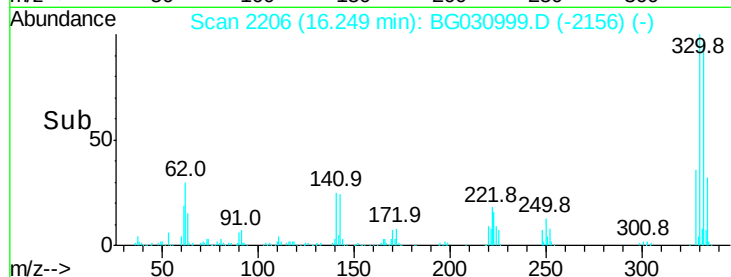
141 27.5 25.2 37.8



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: 125.978 ng

RT: 13.38 min Scan# 1718

Delta R.T. -0.02 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

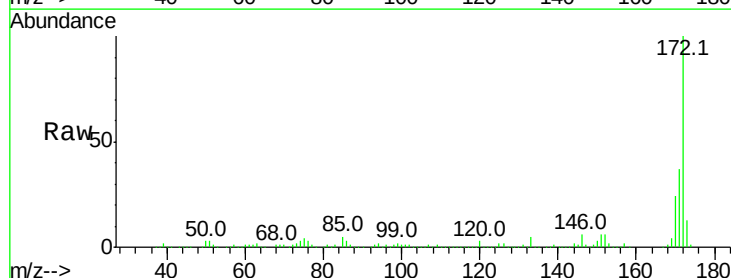
Tgt Ion:172 Resp: 762396

Ion Ratio Lower Upper

172 100

171 37.1 30.0 45.0

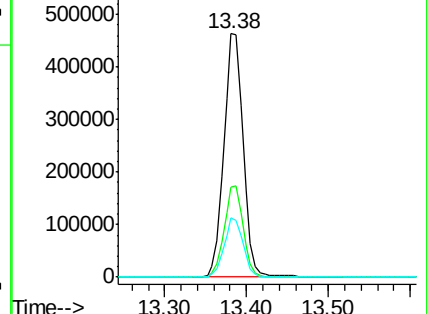
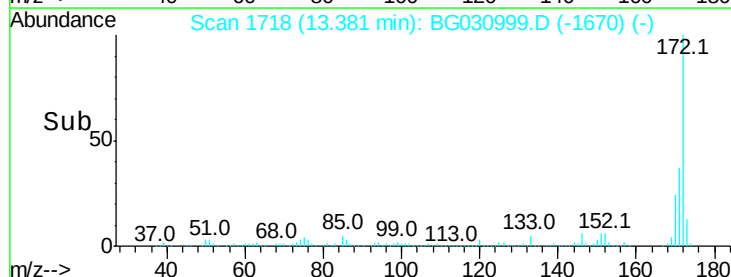
170 24.2 19.5 29.3

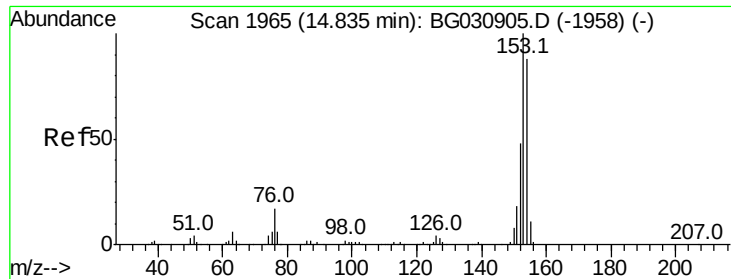


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.440 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

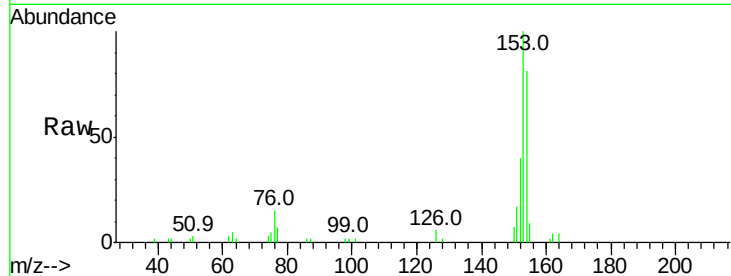
Tot Ion:154 Resp: 12974

Ion Ratio Lower Upper

154 100

153 123.5 90.4 135.6

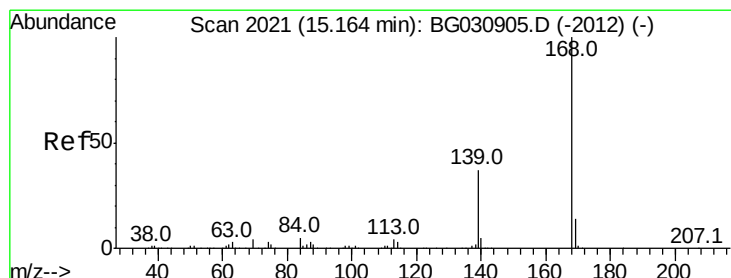
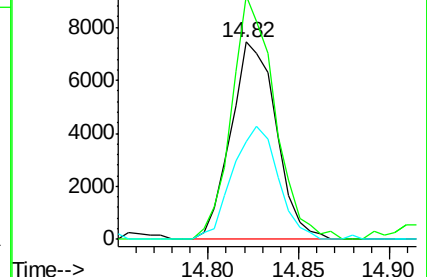
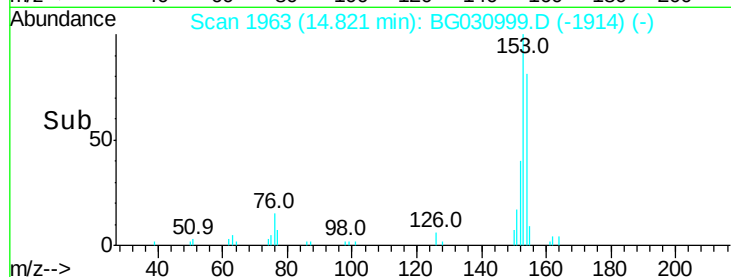
152 49.8 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.434 ng

RT: 15.16 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

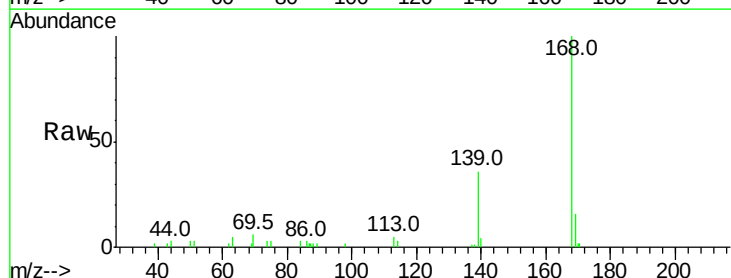
Tgt Ion:168 Resp: 20621

Ion Ratio Lower Upper

168 100

139 36.5 28.6 43.0

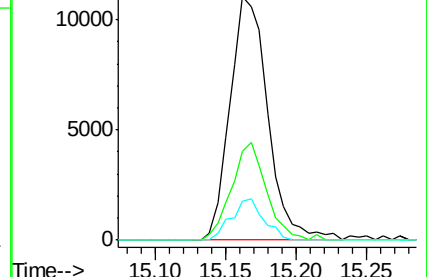
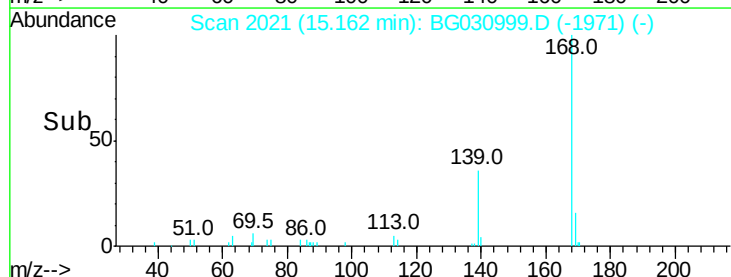
169 15.8 11.2 16.8

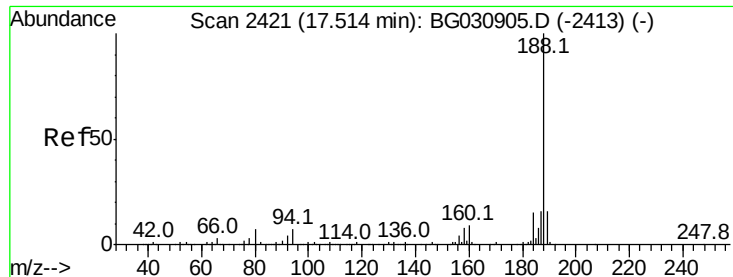


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

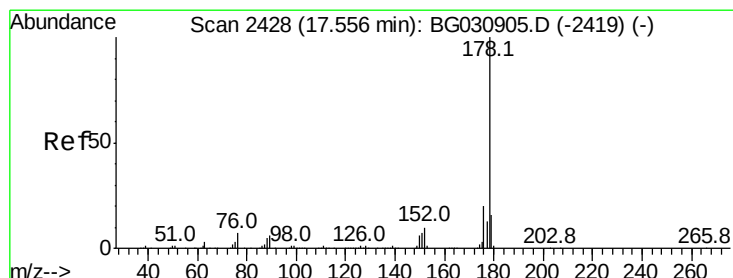
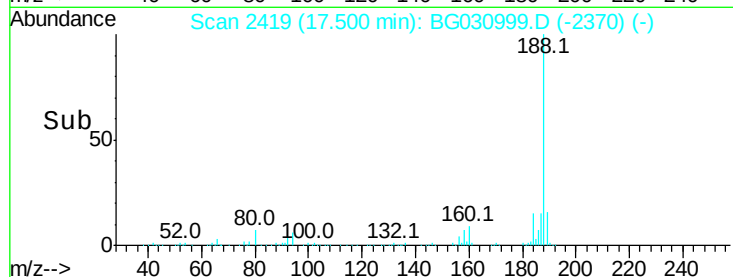
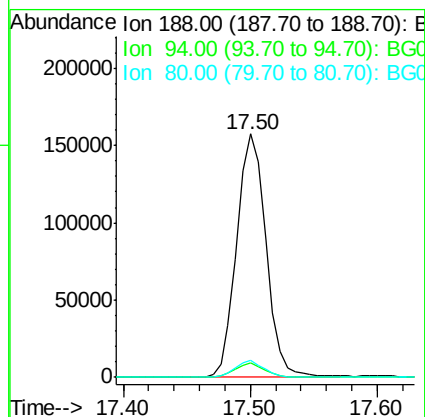
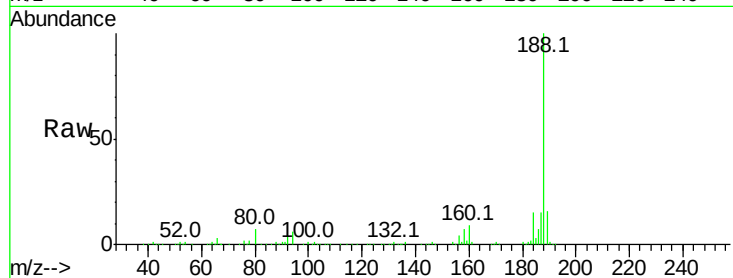




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG030999.D
Acq: 14 Nov 2017 7:50

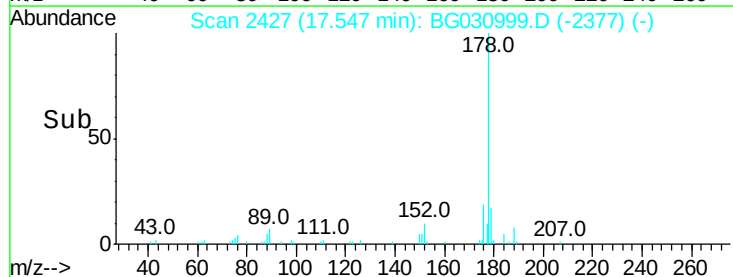
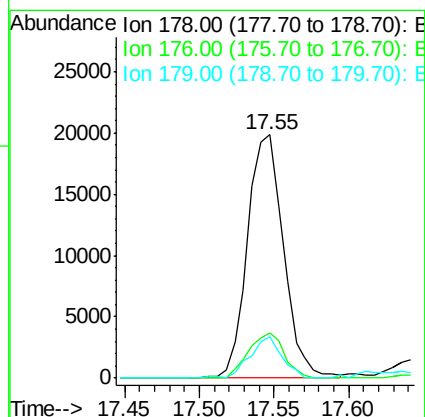
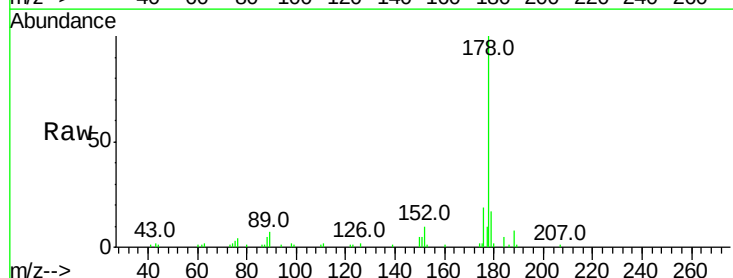
Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

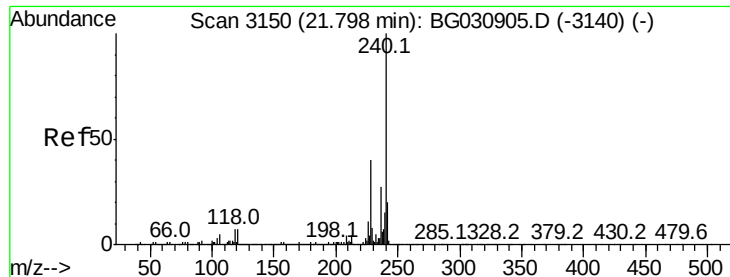
Tot Ion:188 Resp: 252368
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 7.0 7.7 11.5#



#70
Phenanthrene
Concen: 2.518 ng
RT: 17.55 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BG030999.D
Acq: 14 Nov 2017 7:50

Tgt Ion:178 Resp: 33088
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 16.8 12.5 18.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

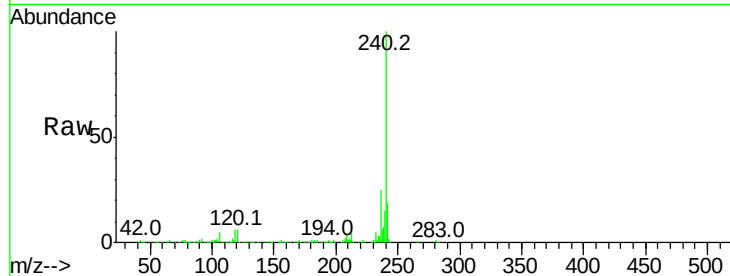
Tot Ion:240 Resp: 400321

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

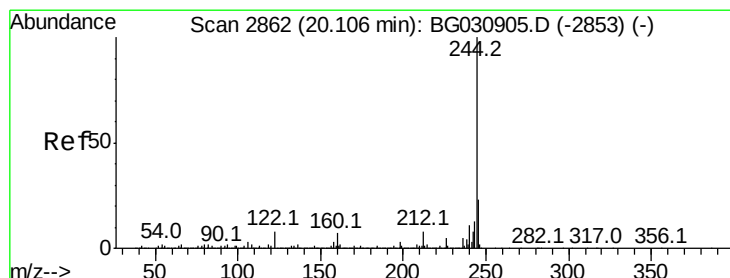
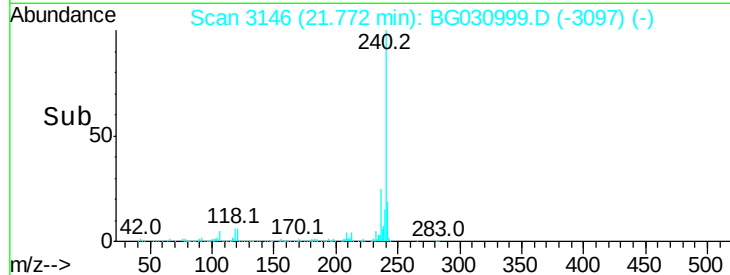
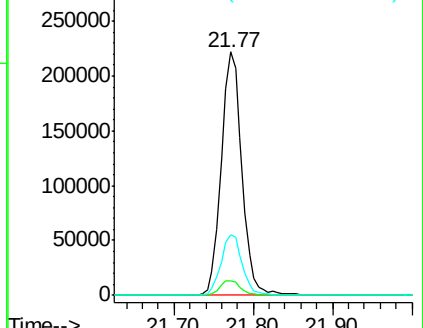
236 25.0 20.9 31.3



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: 104.308 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG030999.D

Acq: 14 Nov 2017 7:50

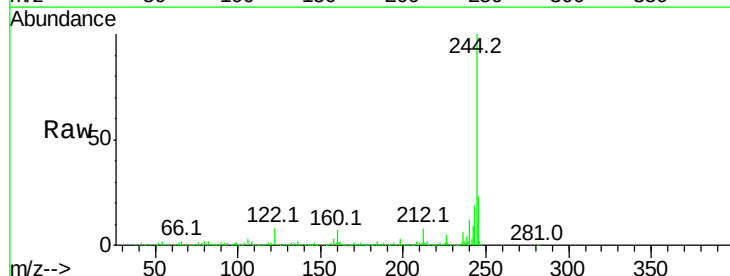
Tgt Ion:244 Resp: 1891077

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

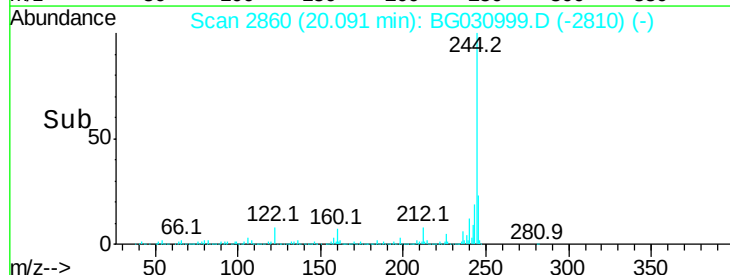
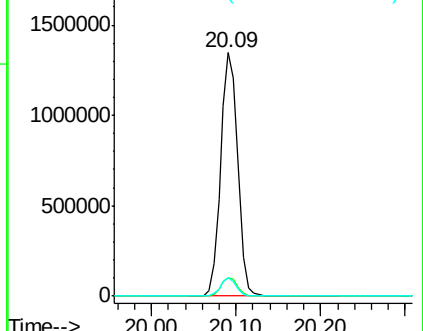
122 7.5 7.0 10.4

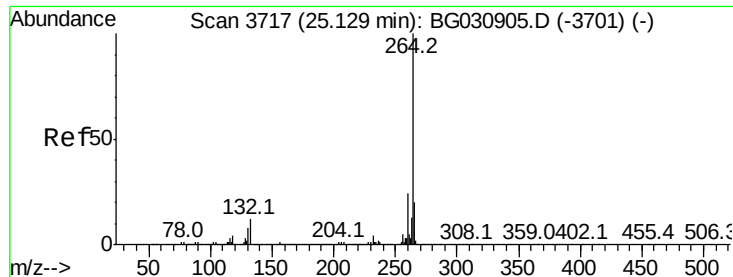


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.07 min Scan# 3708
 Delta R.T. -0.02 min
 Lab File: BG030999.D
 Acq: 14 Nov 2017 7:50

Instrument :
 BNA_G
 ClientSampleId :
 153RD-63RD-ST-DRUM

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.0	17.7	26.5

