

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102717\
 Data File : BG030513.D
 Acq On : 28 Oct 2017 1:21
 Operator : SJ/JU
 Sample : I6146-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 28 02:20:05 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

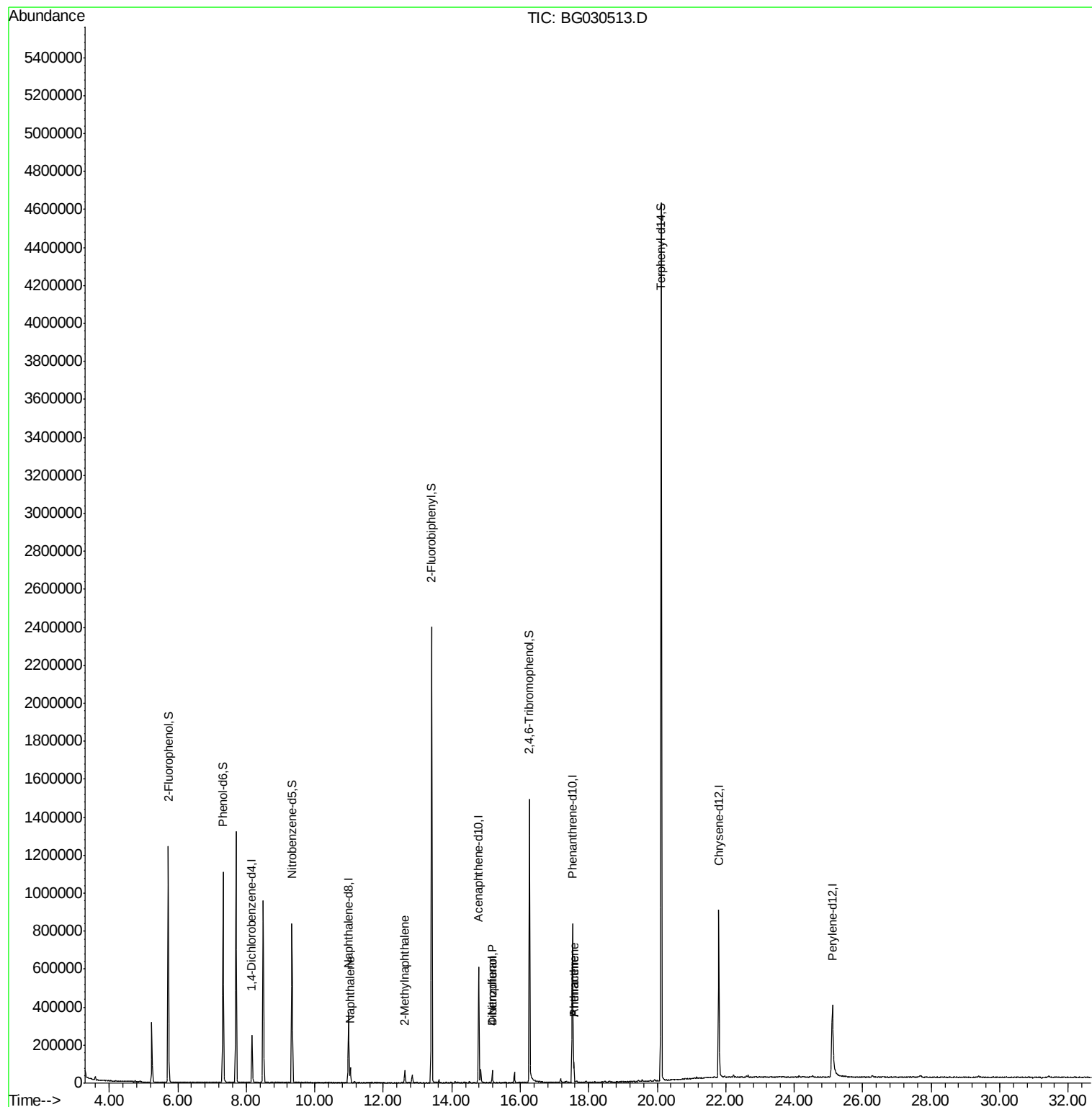
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	72770	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	330576	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	221797	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	527452	20.00	ng	0.00
75) Chrysene-d12	21.79	240	566257	20.00	ng	0.00
86) Perylene-d12	25.11	264	546579	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	552333	126.80	ng	0.00
7) Phenol-d6	7.32	99	667058	109.10	ng	0.00
23) Nitrobenzene-d5	9.33	82	509165	97.88	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	325467	113.66	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1261660	83.43	ng	0.00
78) Terphenyl-d14	20.11	244	2129754	85.56	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.04	128	71100	4.316	ng	95
37) 2-Methylnaphthalene	12.63	142	32577	2.713	ng	95
54) Dibenzofuran	15.18	168	46878	2.319	ng	96
55) 4-Nitrophenol	15.18	139	16604	5.145	ng	# 1
70) Phenanthrene	17.56	178	66224	2.430	ng	98
71) Anthracene	17.56	178	66224	2.420	ng	98

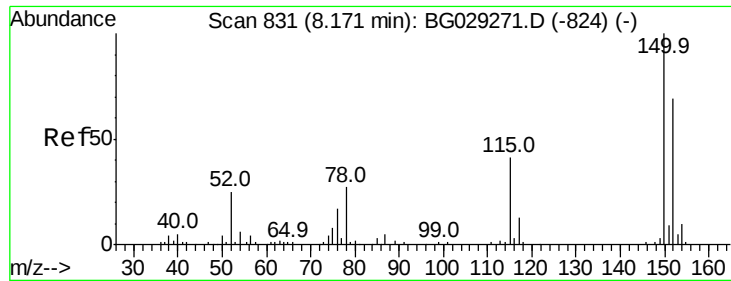
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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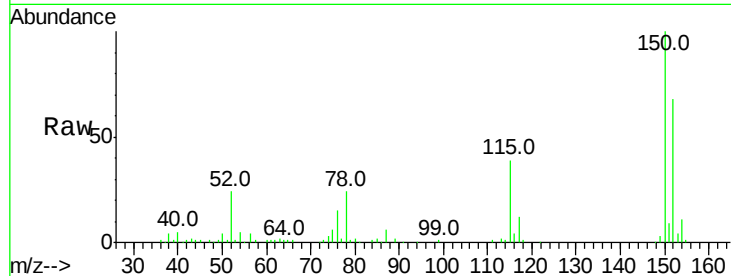


#1

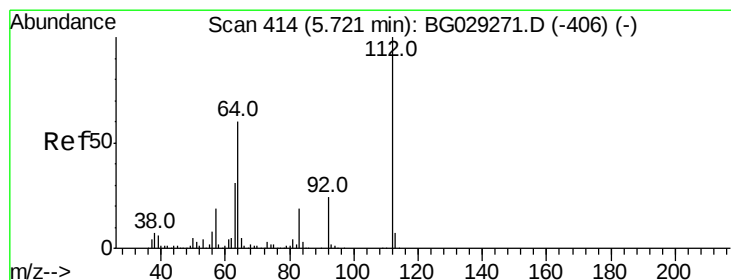
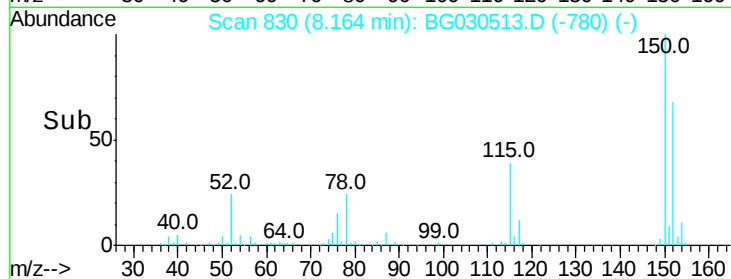
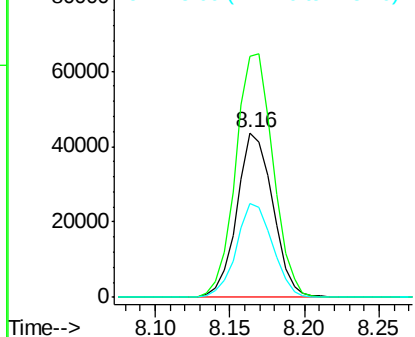
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG030513.D
Acq: 28 Oct 2017 1:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 72770
Ion Ratio Lower Upper
152 100
150 146.4 126.6 189.8
115 57.1 53.0 79.4



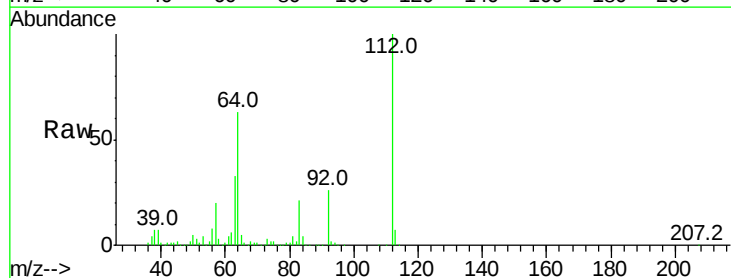
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



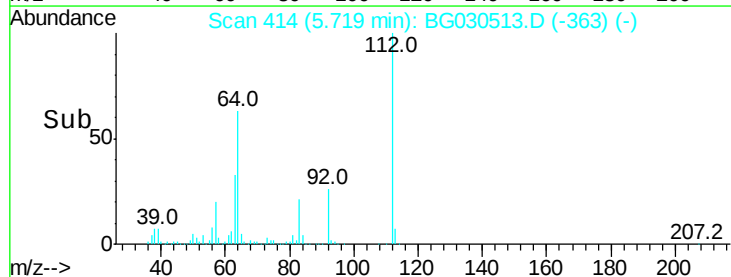
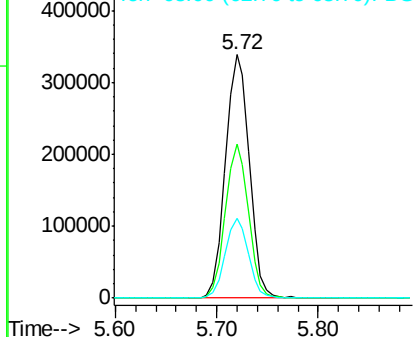
#5

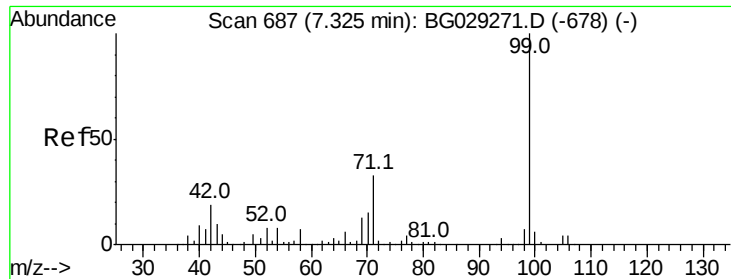
2-Fluorophenol
Concen: 126.797 ng
RT: 5.72 min Scan# 414
Delta R.T. -0.00 min
Lab File: BG030513.D
Acq: 28 Oct 2017 1:21

Tgt Ion:112 Resp: 552333
Ion Ratio Lower Upper
112 100
64 63.2 56.3 84.5
63 32.8 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: 109.096 ng

RT: 7.32 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

Instrument :

BNA_G

ClientSampleId :

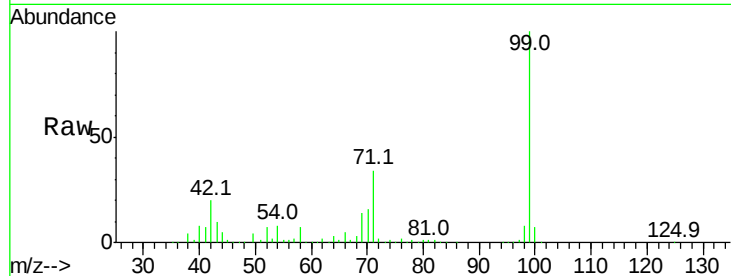
Tot Ion: 99 Resp: 667058

Ion Ratio Lower Upper

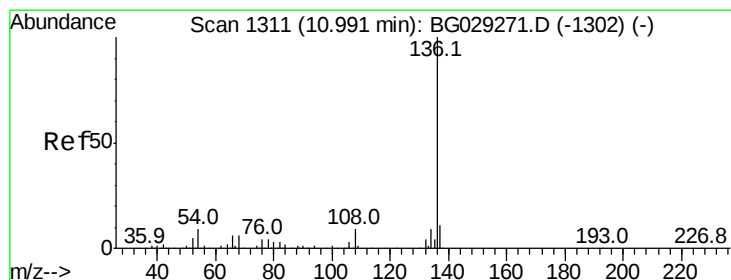
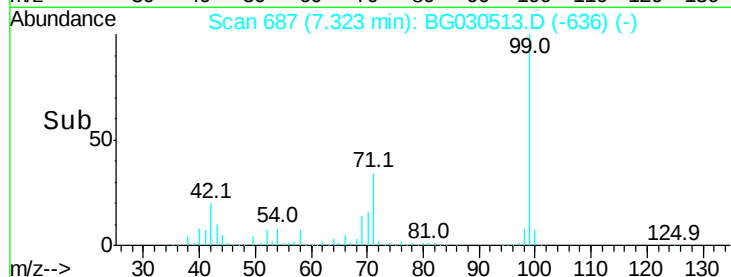
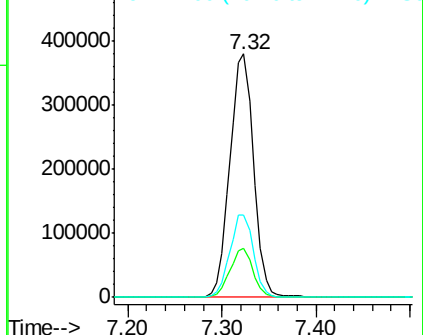
99 100

42 20.1 14.1 21.1

71 33.7 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: 10.98 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

Tgt Ion: 136 Resp: 330576

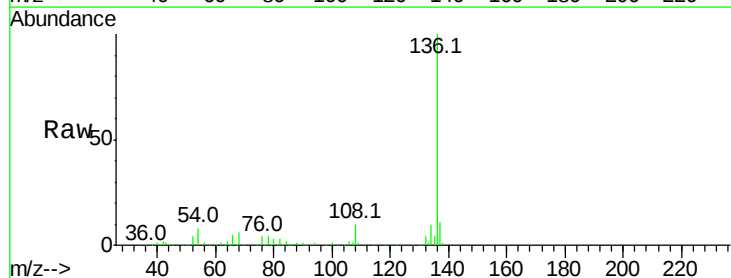
Ion Ratio Lower Upper

136 100

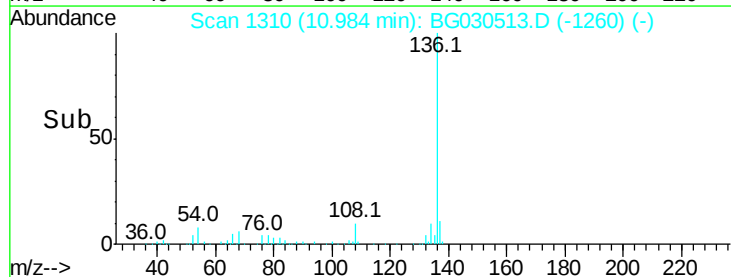
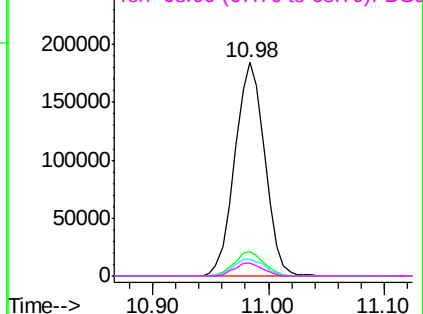
137 11.4 9.2 13.8

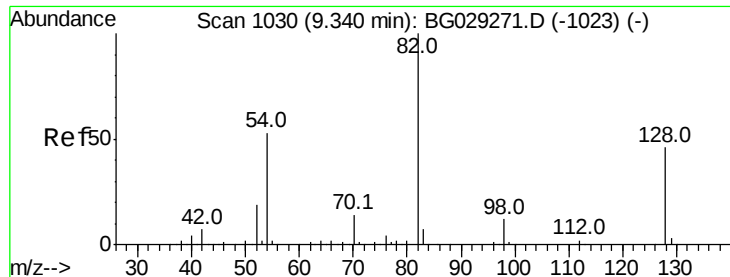
54 7.9 10.3 15.5#

68 6.3 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

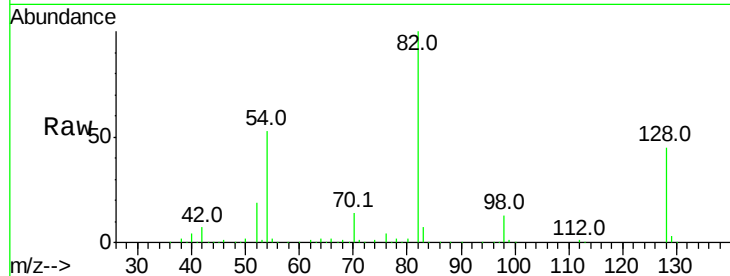




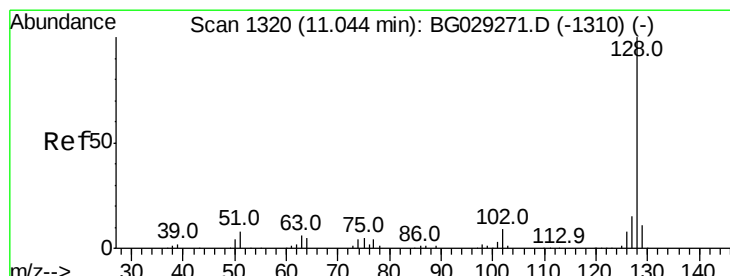
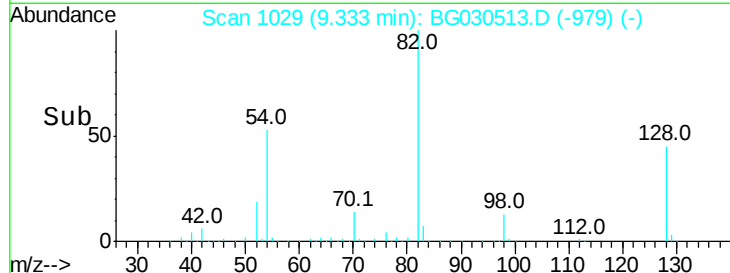
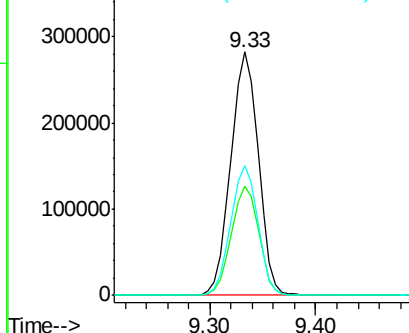
#23
 Nitrobenzene-d5
 Concen: 97.878 ng
 RT: 9.33 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG030513.D
 Acq: 28 Oct 2017 1:21

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 509165
 Ion Ratio Lower Upper
 82 100
 128 45.1 29.7 44.5#
 54 53.4 43.1 64.7

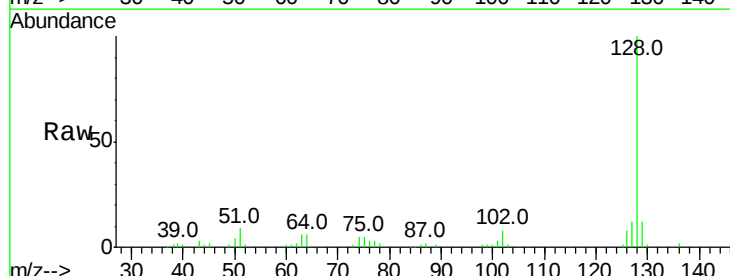


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

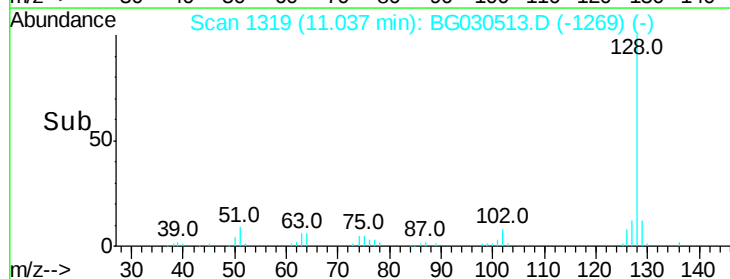
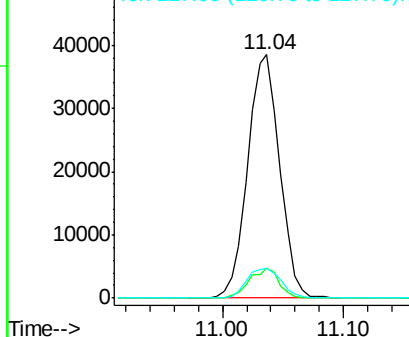


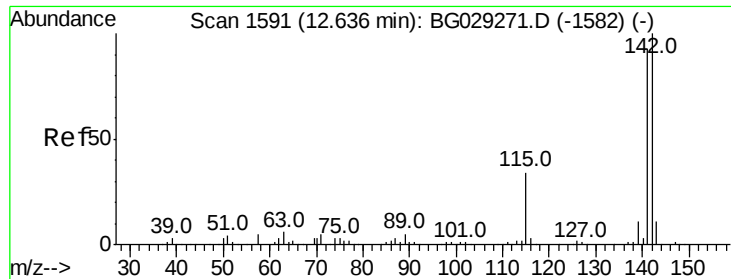
#31
 Naphthalene
 Concen: 4.316 ng
 RT: 11.04 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BG030513.D
 Acq: 28 Oct 2017 1:21

Tgt Ion: 128 Resp: 71100
 Ion Ratio Lower Upper
 128 100
 129 12.3 8.6 12.8
 127 12.3 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

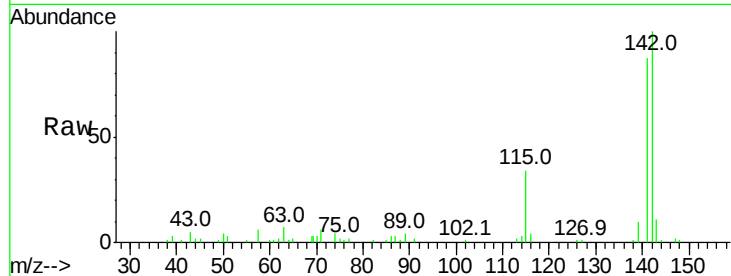




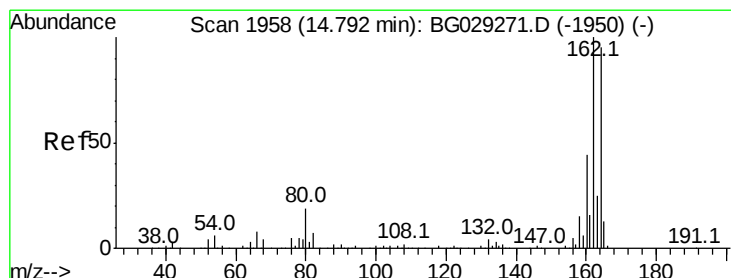
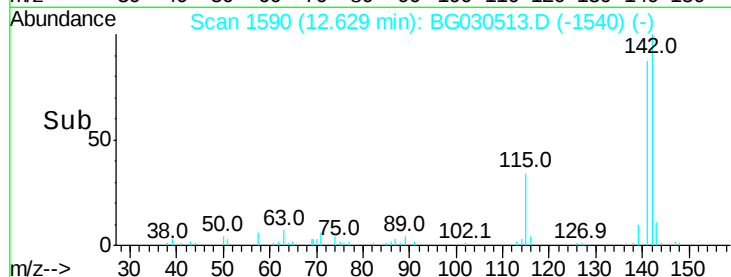
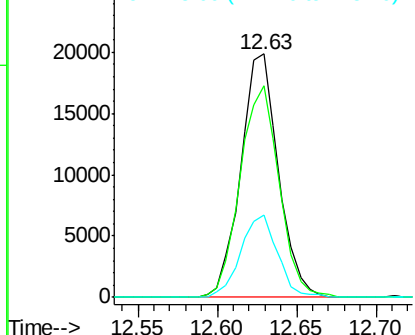
#37
2-Methylnaphthalene
Concen: 2.713 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG030513.D
Acq: 28 Oct 2017 1:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	67.1	100.7
115	33.9	30.7	46.1

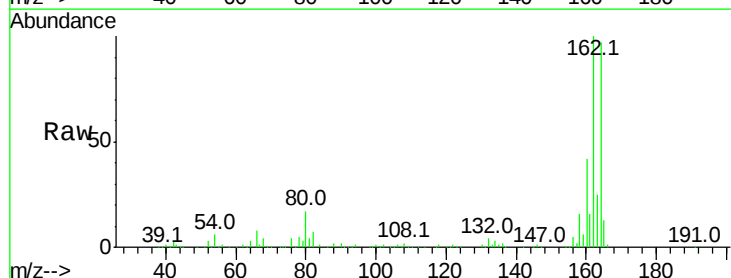


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

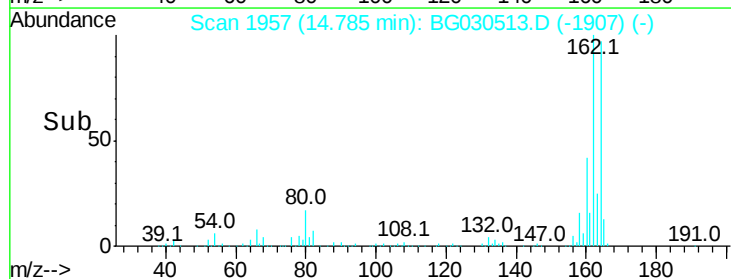
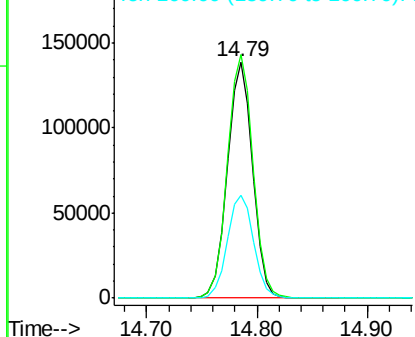


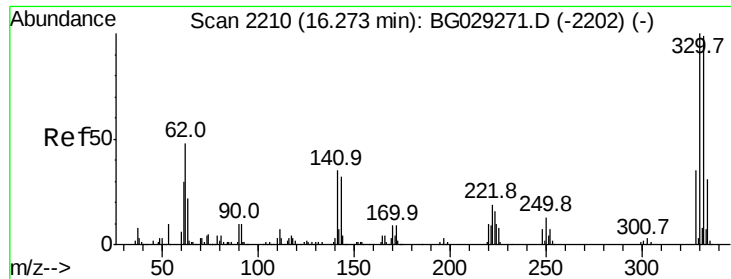
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG030513.D
Acq: 28 Oct 2017 1:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	43.6	35.4	53.0



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

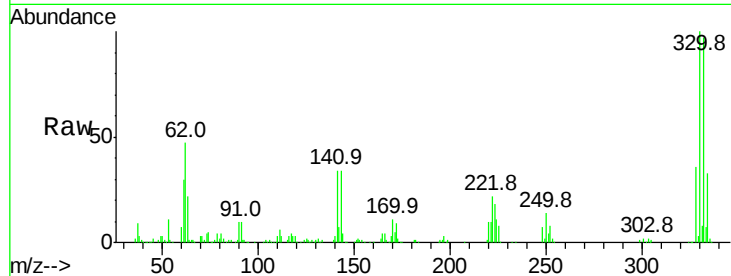




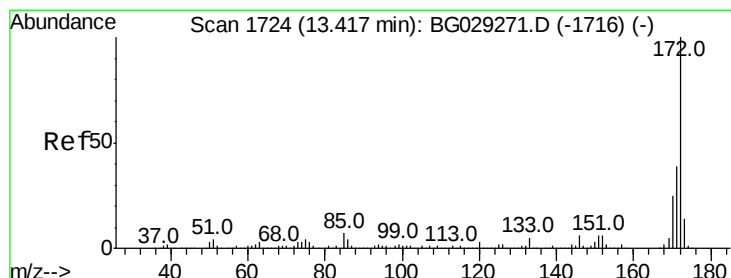
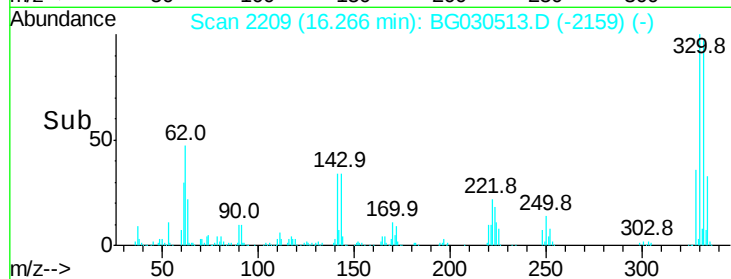
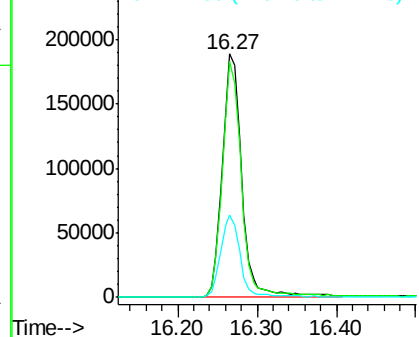
#41
 2,4,6-Tribromophenol
 Concen: 113.656 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG030513.D
 Acq: 28 Oct 2017 1:21

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	33.3	25.2	37.8

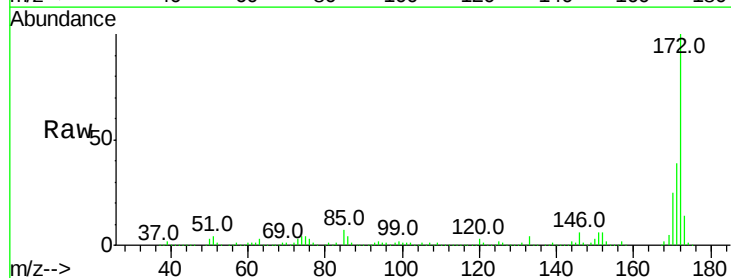


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

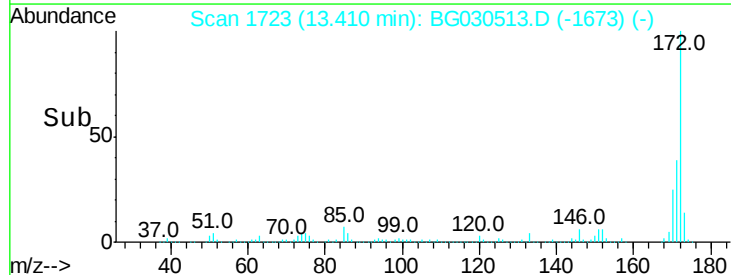
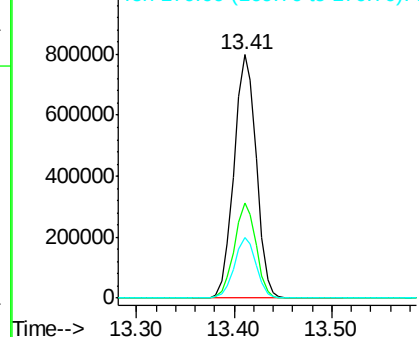


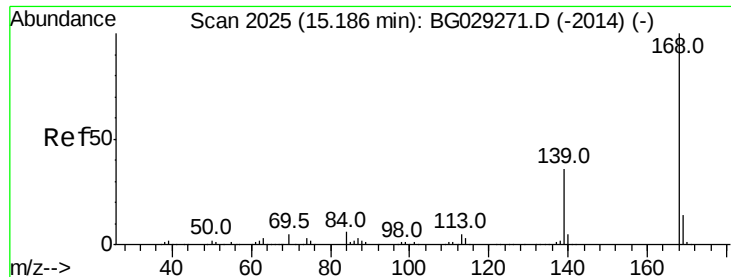
#44
 2-Fluorobiphenyl
 Concen: 83.429 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG030513.D
 Acq: 28 Oct 2017 1:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.0	45.0
170	24.9	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





#54

Dibenzofuran

Concen: 2.319 ng

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

Instrument :

BNA_G

ClientSampleId :

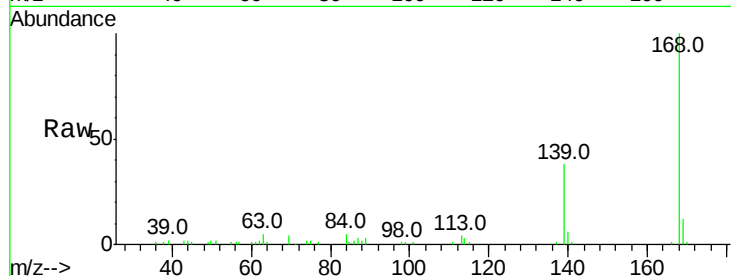
Tot Ion:168 Resp: 46878

Ion Ratio Lower Upper

168 100

139 37.6 28.6 43.0

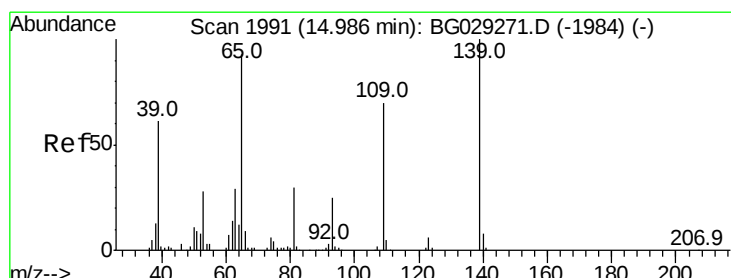
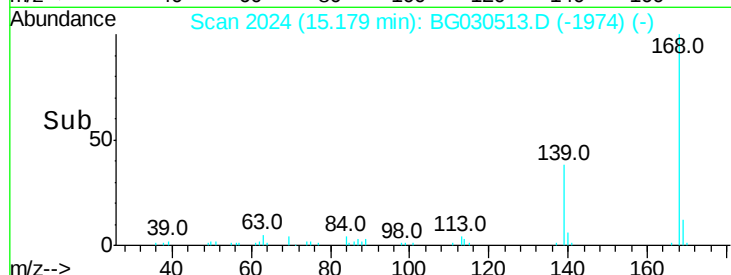
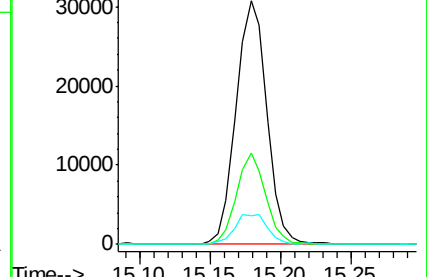
169 11.6 11.2 16.8



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



#55

4-Nitrophenol

Concen: 5.145 ng

RT: 15.18 min Scan# 2024

Delta R.T. 0.19 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

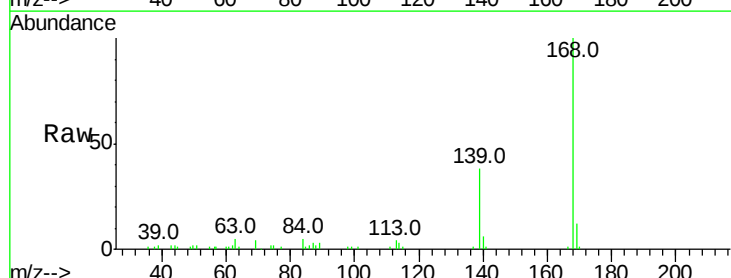
Tgt Ion:139 Resp: 16604

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

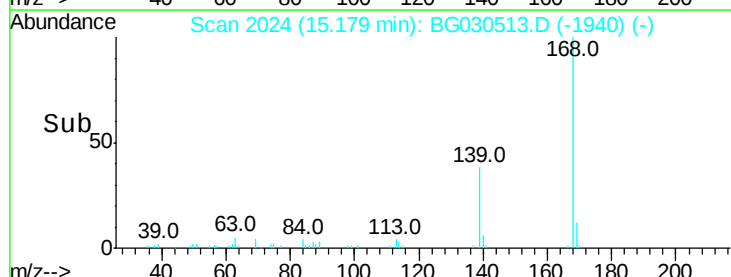
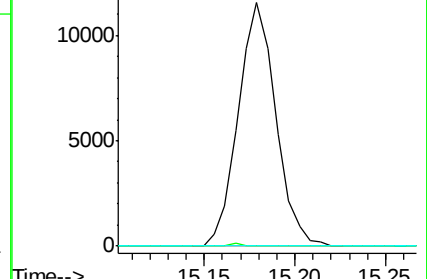
65 0.0 97.2 137.2#

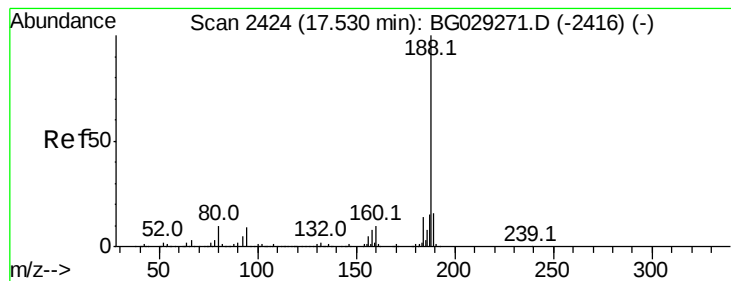


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

Instrument :

BNA_G

ClientSampleId :

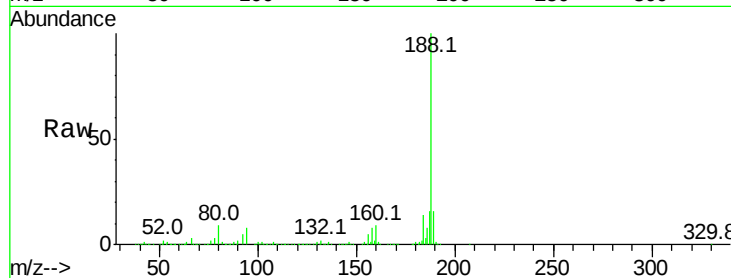
Tot Ion:188 Resp: 527452

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

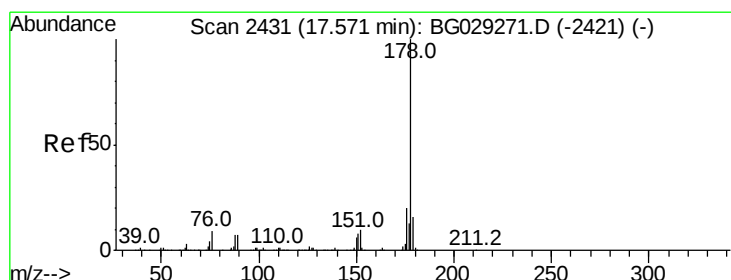
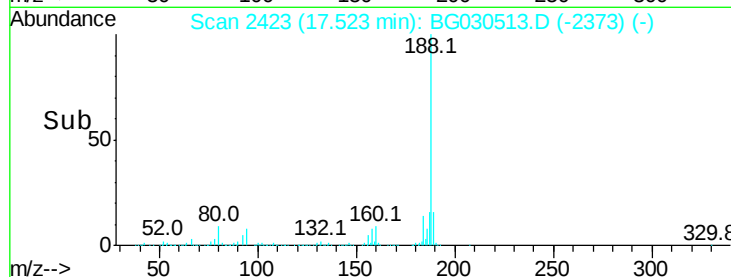
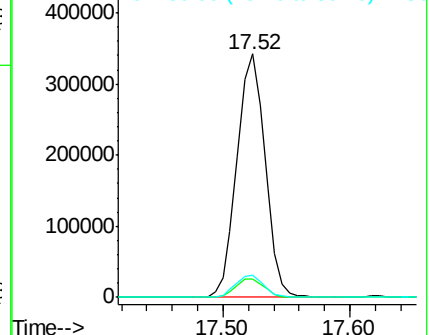
80 9.0 7.7 11.5



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: 2.430 ng

RT: 17.56 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

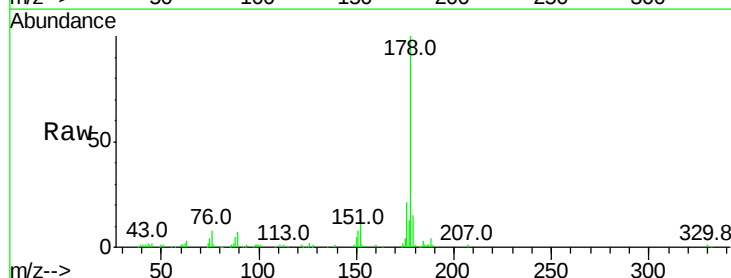
Tgt Ion:178 Resp: 66224

Ion Ratio Lower Upper

178 100

176 20.8 15.7 23.5

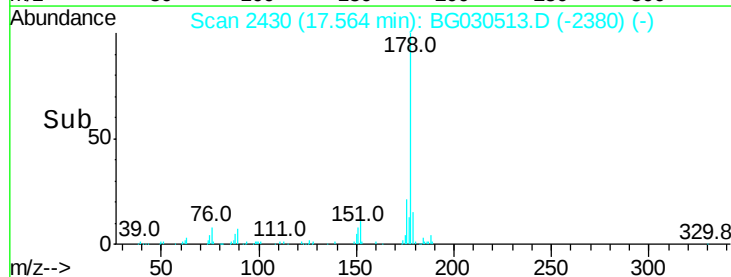
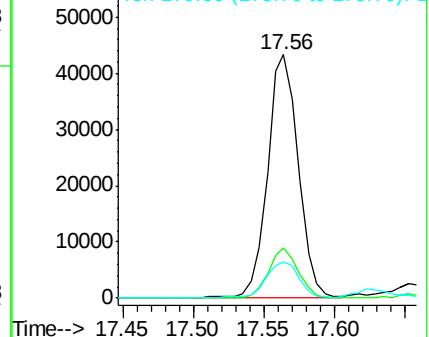
179 15.0 12.5 18.7

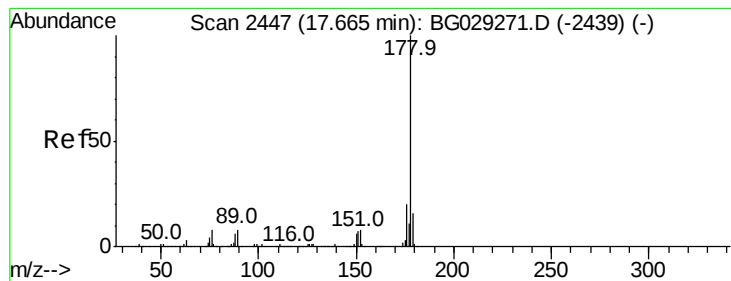


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.420 ng

RT: 17.56 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

Instrument :

BNA_G

ClientSampleId :

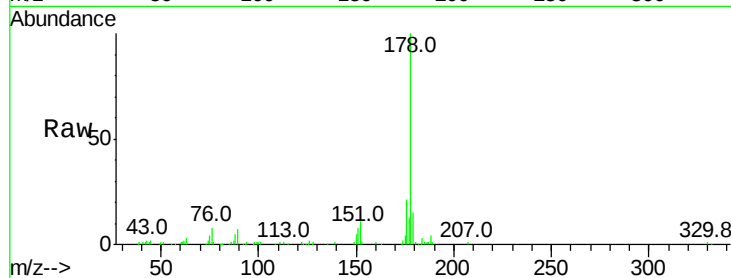
Tot Ion:178 Resp: 66224

Ion Ratio Lower Upper

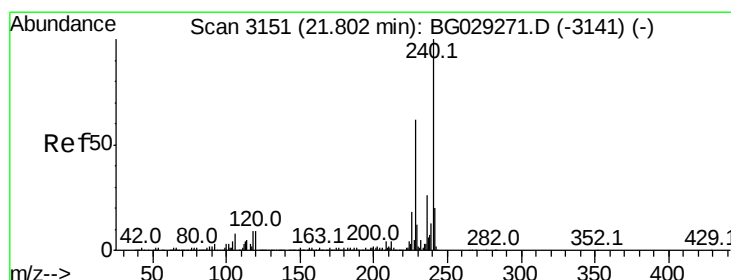
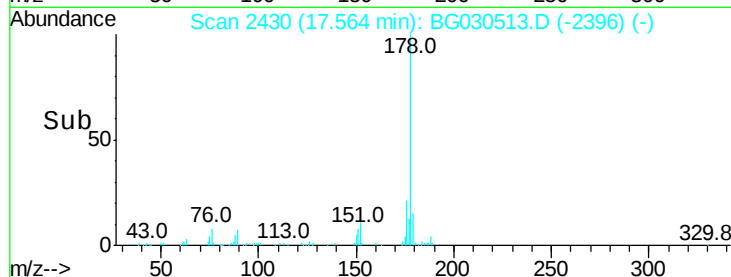
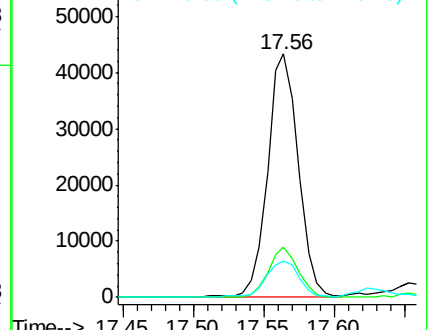
178 100

176 20.8 16.0 24.0

179 15.0 12.5 18.7



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

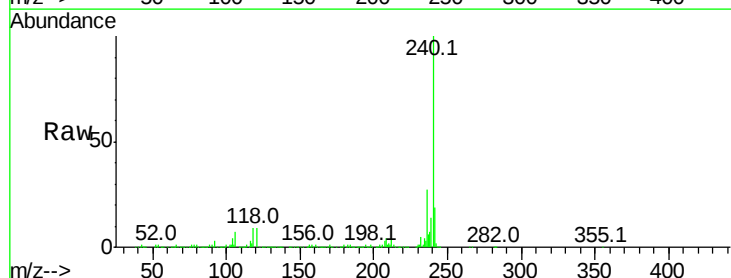
Tgt Ion:240 Resp: 566257

Ion Ratio Lower Upper

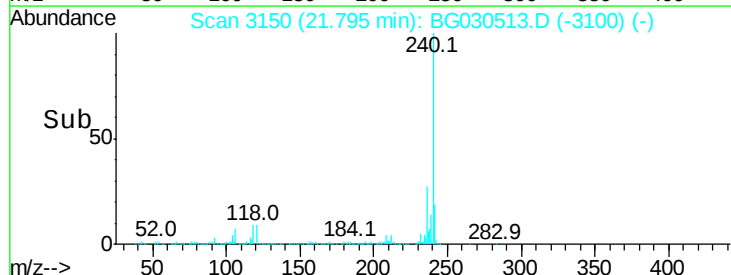
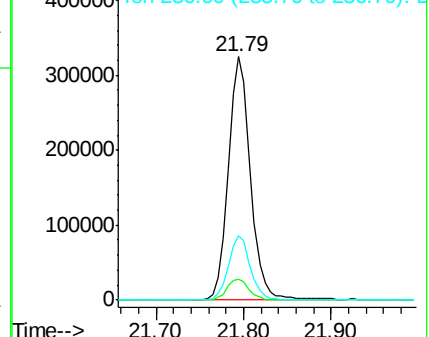
240 100

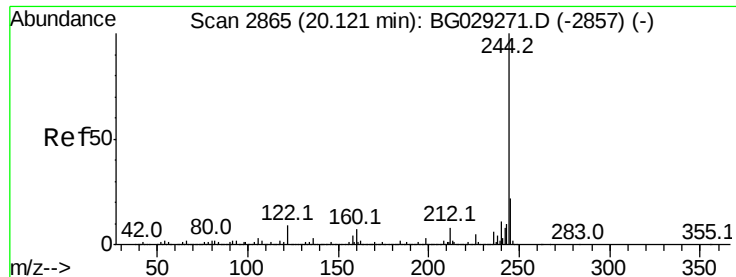
120 8.8 6.8 10.2

236 26.7 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: 85.563 ng

RT: 20.11 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

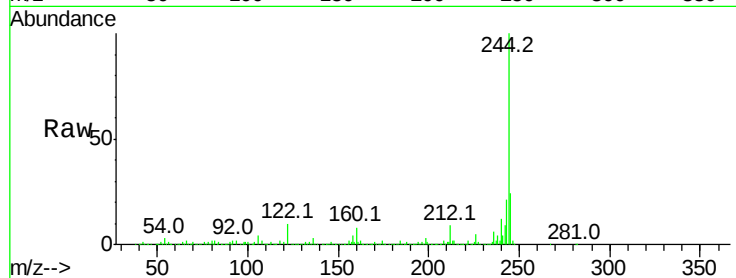
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2129754

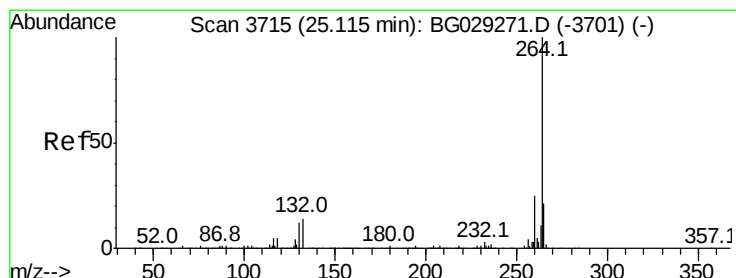
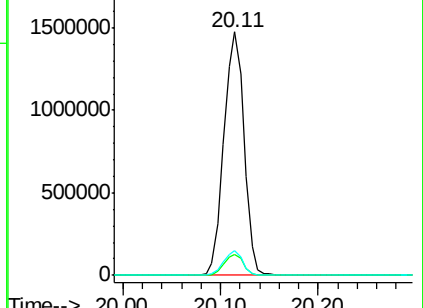
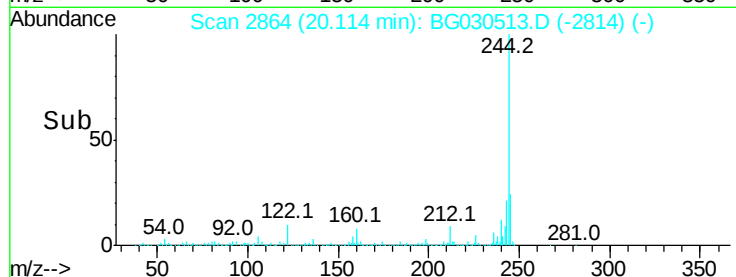
Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	10.2	7.0	10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3715

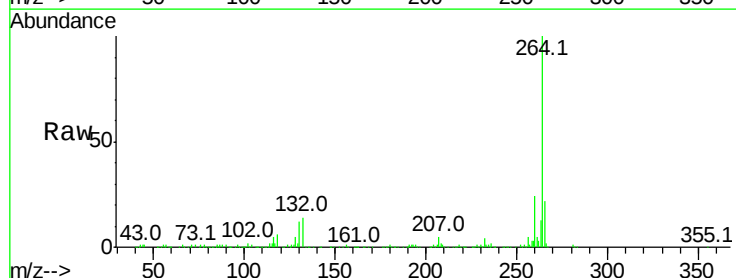
Delta R.T. -0.00 min

Lab File: BG030513.D

Acq: 28 Oct 2017 1:21

Tgt Ion:264 Resp: 546579

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.6	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

