

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102017\
 Data File : BG029389.D
 Acq On : 21 Oct 2017 13:24
 Operator : SJ/JU
 Sample : I5981-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 21 22:37:01 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

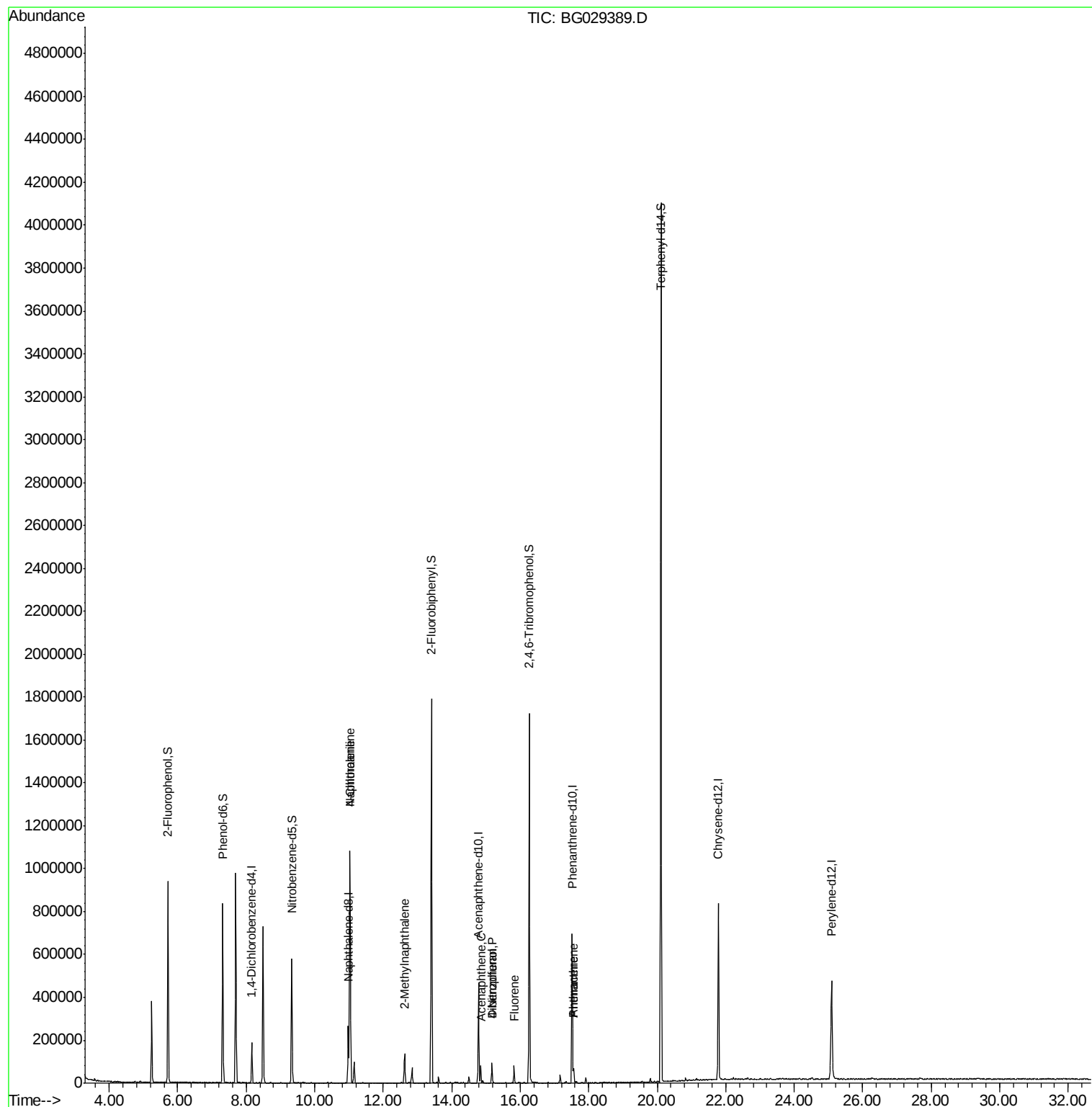
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	54479	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	234259	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	161166	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	442758	20.00	ng	0.00
75) Chrysene-d12	21.79	240	503587	20.00	ng	-0.02
86) Perylene-d12	25.09	264	511901	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	416793	127.81	ng	0.00
7) Phenol-d6	7.31	99	496169	108.39	ng	0.00
23) Nitrobenzene-d5	9.33	82	351619	95.38	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	353130	169.71	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	961123	87.46	ng	0.00
78) Terphenyl-d14	20.11	244	1910335	86.30	ng	0.00
Target Compounds						
31) Naphthalene	11.03	128	939559	80.476	ng	Qvalue 98
33) 4-Chloroaniline	11.03	127	130727	26.619	ng	# 29
37) 2-Methylnaphthalene	12.63	142	67690	7.955	ng	95
51) Acenaphthene	14.84	154	32076	3.117	ng	95
54) Dibenzofuran	15.18	168	64601	4.398	ng	98
55) 4-Nitrophenol	15.18	139	22722	9.689	ng	# 1
57) Fluorene	15.82	166	36225	2.985	ng	97
70) Phenanthrene	17.56	178	60556	2.647	ng	96
71) Anthracene	17.56	178	60556	2.637	ng	95

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

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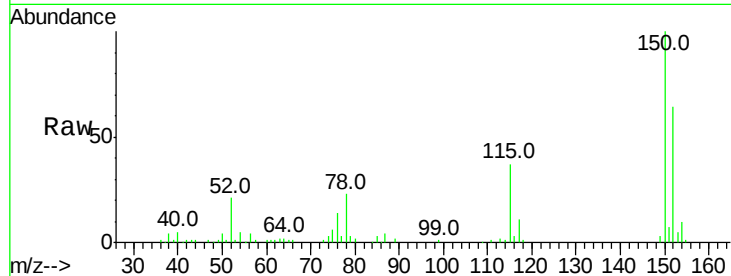


#1

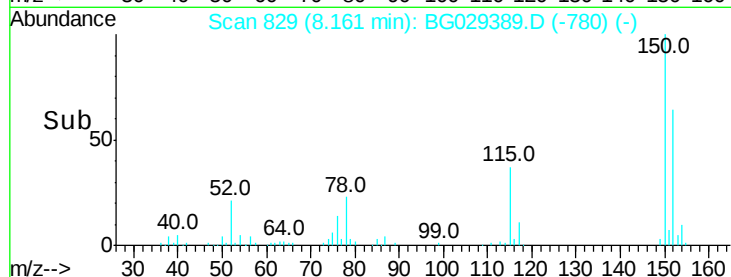
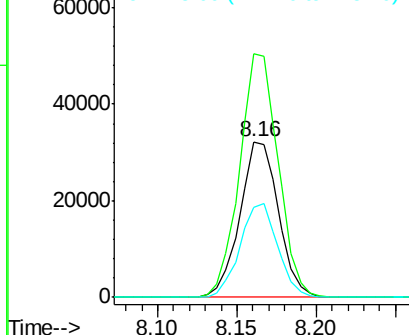
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 829
Delta R.T. -0.01 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54479
Ion Ratio Lower Upper
152 100
150 156.3 126.6 189.8
115 57.5 53.0 79.4



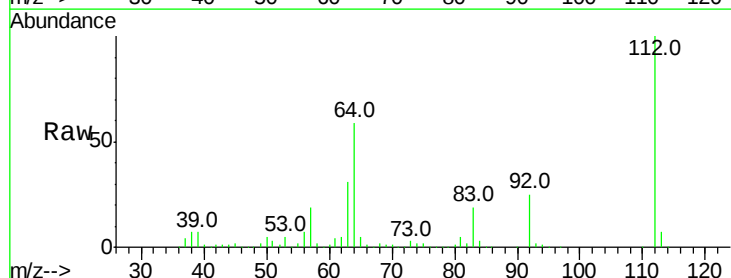
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



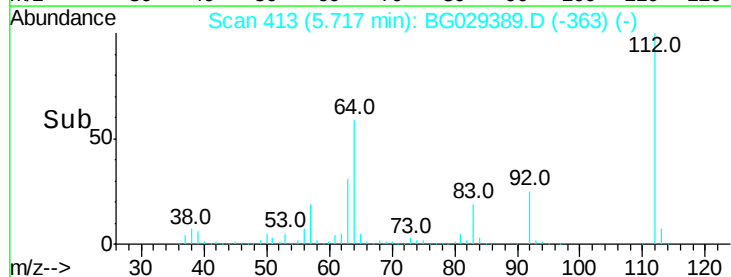
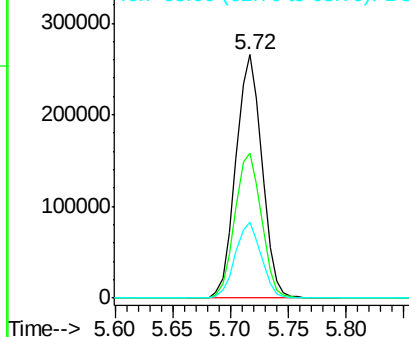
#5

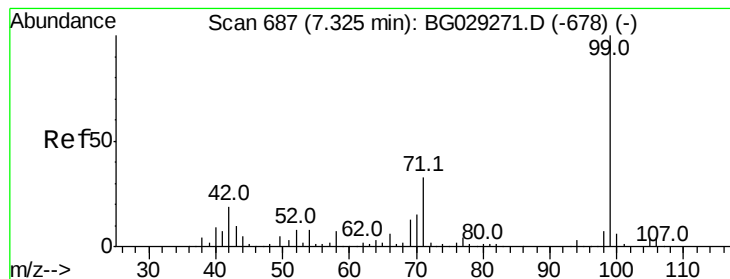
2-Fluorophenol
Concen: 127.806 ng
RT: 5.72 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Tgt Ion:112 Resp: 416793
Ion Ratio Lower Upper
112 100
64 59.4 56.3 84.5
63 31.1 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: 108.393 ng

RT: 7.31 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

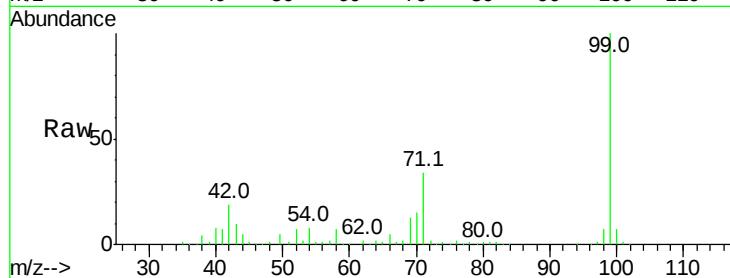
Tot Ion: 99 Resp: 496169

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.1	21.1
71	33.6	26.1	39.1

99 100

42 19.1 14.1 21.1

71 33.6 26.1 39.1

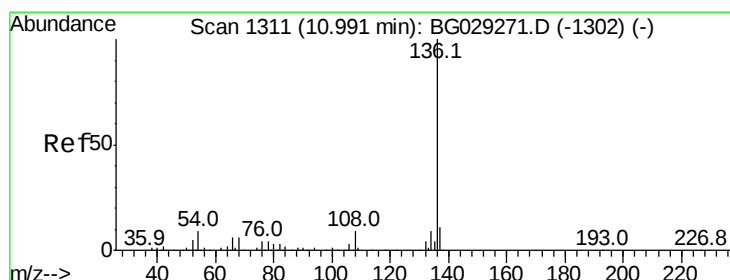
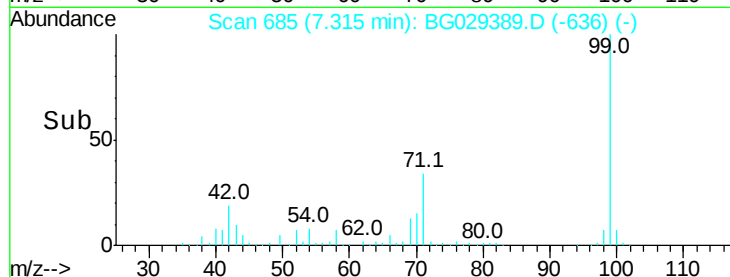
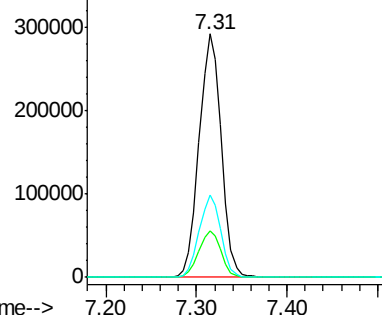


Abundance

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# 1309

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Tgt Ion: 136 Resp: 234259

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	8.3	10.3	15.5#
68	5.3	4.5	6.7

136 100

137 11.4 9.2 13.8

54 8.3 10.3 15.5#

68 5.3 4.5 6.7

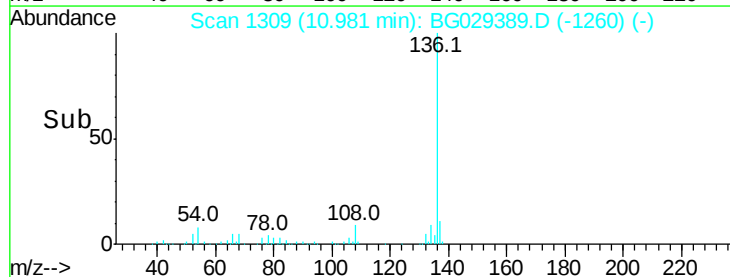
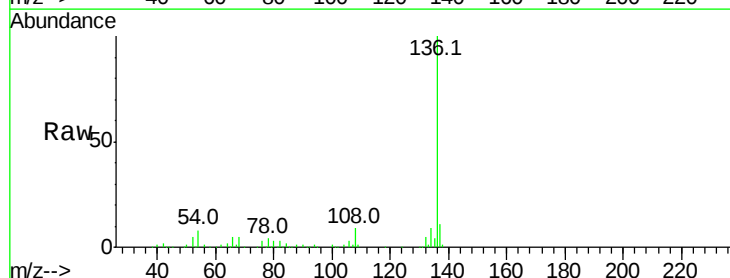
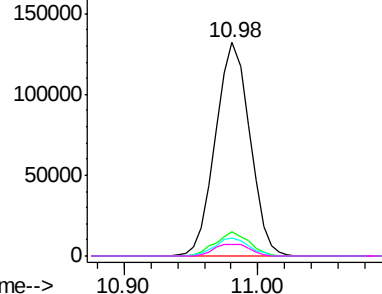
Abundance

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

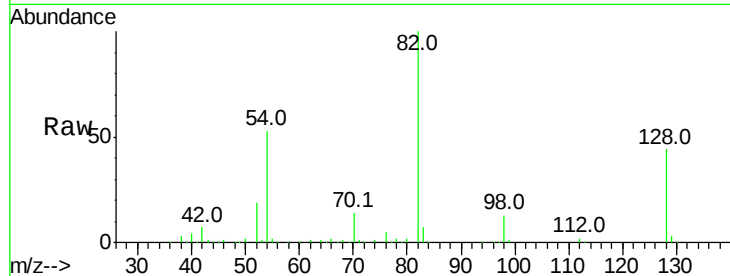




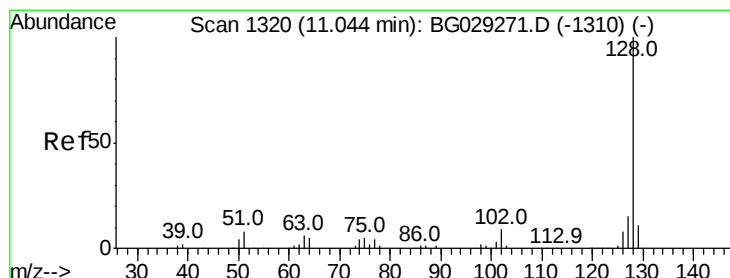
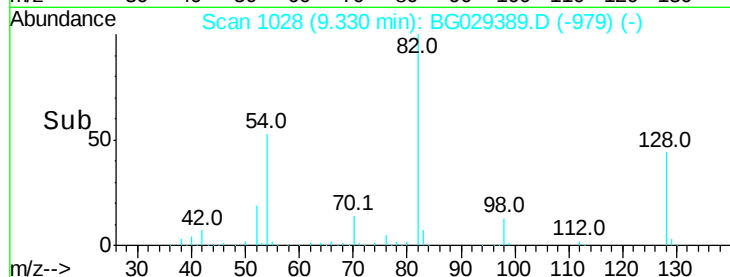
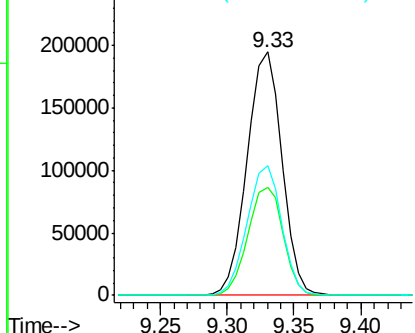
#23
 Nitrobenzene-d5
 Concen: 95.383 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	351619
Ion Ratio	Lower	Upper	
82	100		
128	44.3	29.7	44.5
54	53.2	43.1	64.7

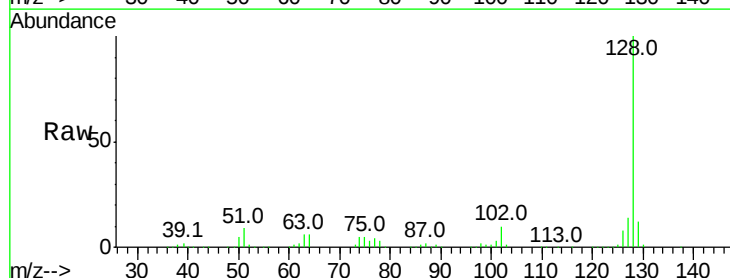


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

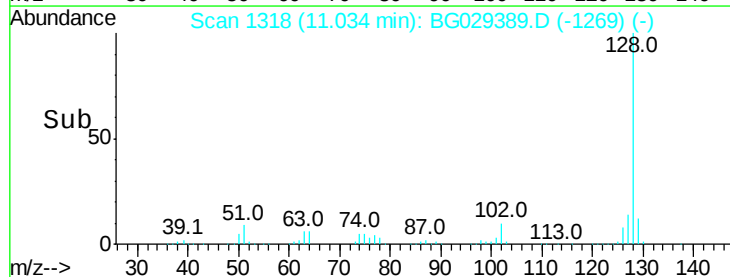
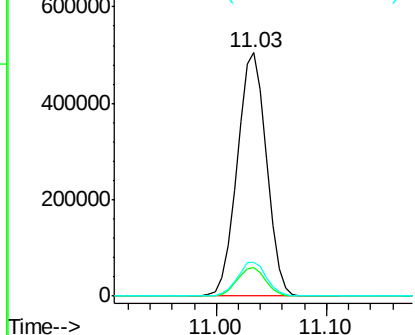


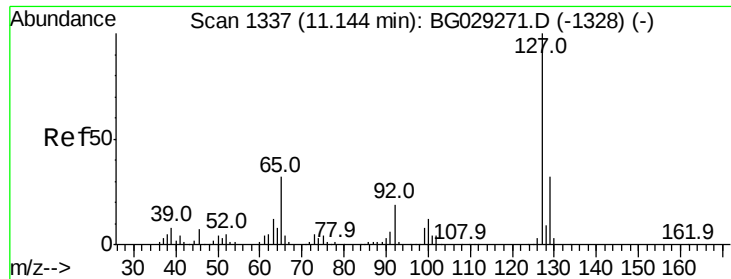
#31
 Naphthalene
 Concen: 80.476 ng
 RT: 11.03 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Tgt Ion	128	Resp	939559
Ion Ratio	Lower	Upper	
128	100		
129	11.8	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

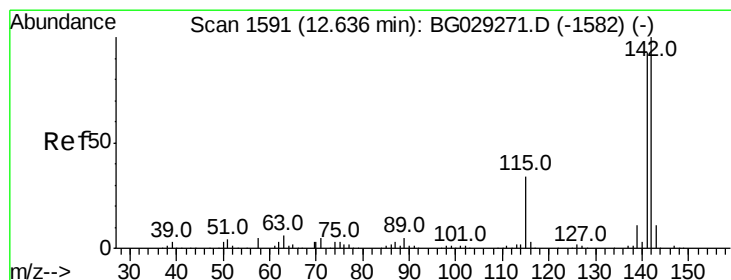
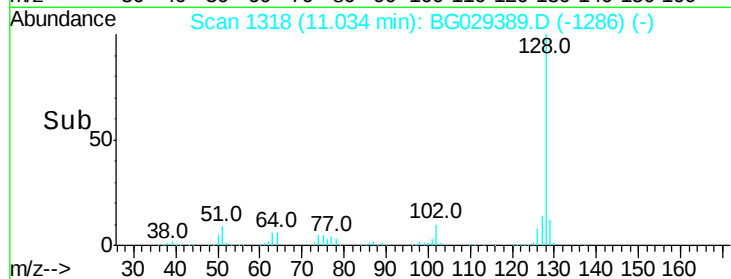
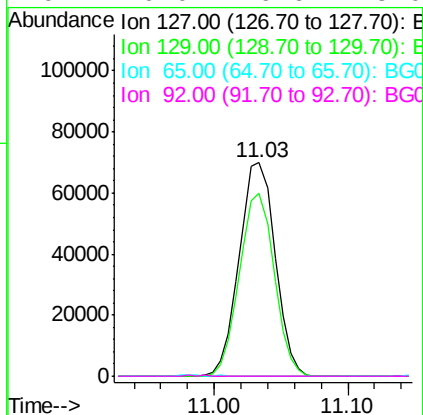
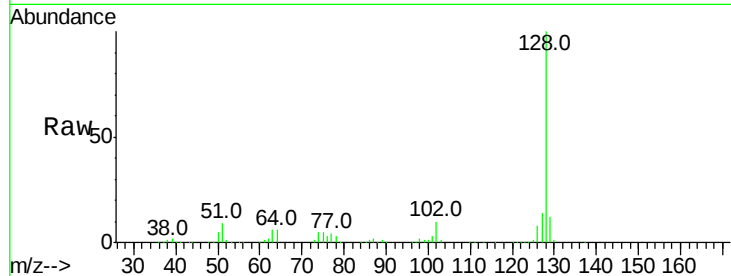




#33
4-Chloroaniline
Concen: 26.619 ng
RT: 11.03 min Scan# 1318
Delta R.T. -0.11 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

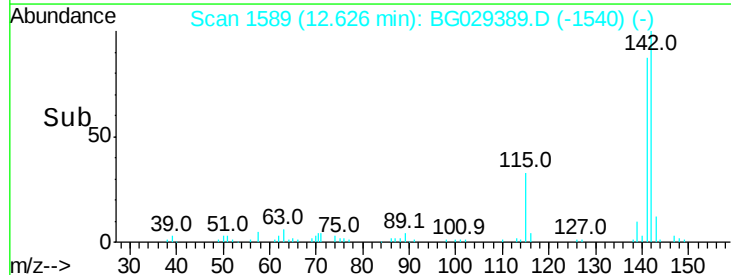
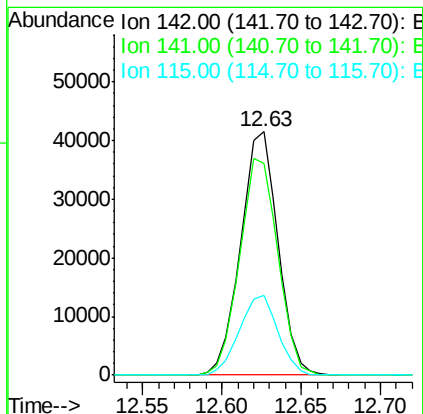
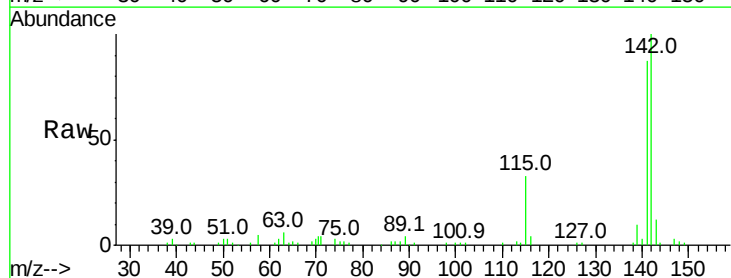
Instrument :
BNA_G
ClientSampleId :

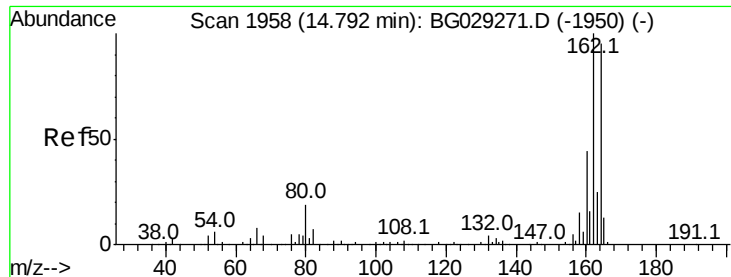
Tot Ion:	127	Resp:	130727
Ion	Ratio	Lower	Upper
127	100		
129	85.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 7.955 ng
RT: 12.63 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Tgt Ion:	142	Resp:	67690
Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.1	100.7
115	33.0	30.7	46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

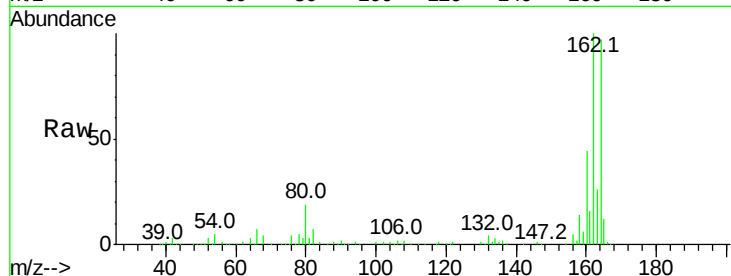
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 161166

Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.8	118.2
160	45.7	35.4	53.0

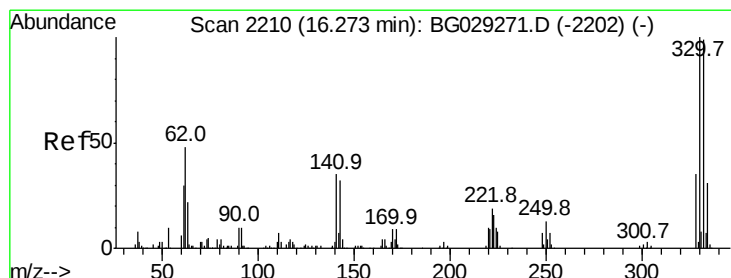
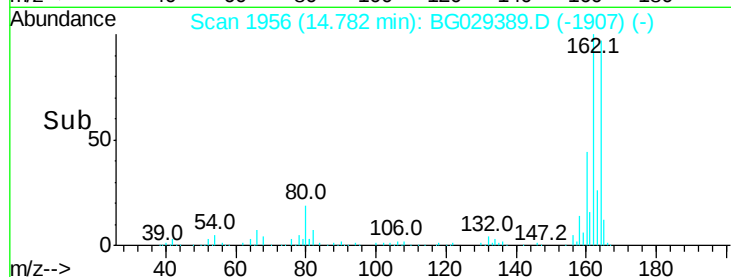
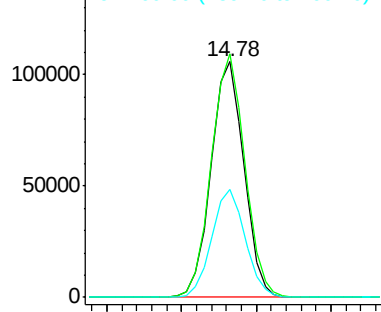


Abundance

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: 169.707 ng

RT: 16.26 min Scan# 2208

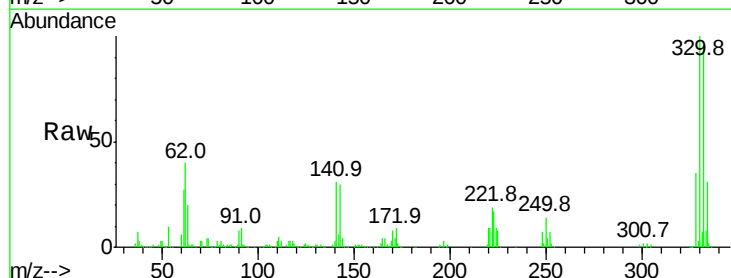
Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Tgt Ion:330 Resp: 353130

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.0	25.2	37.8

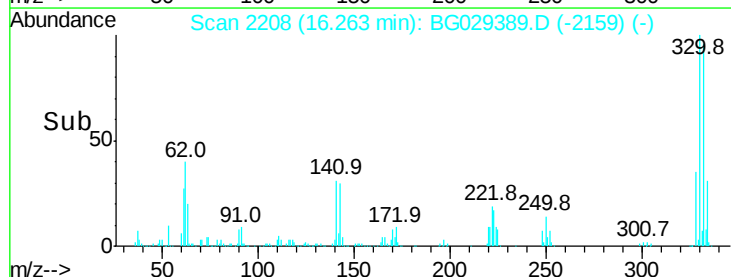
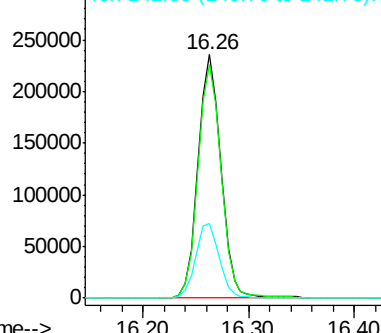


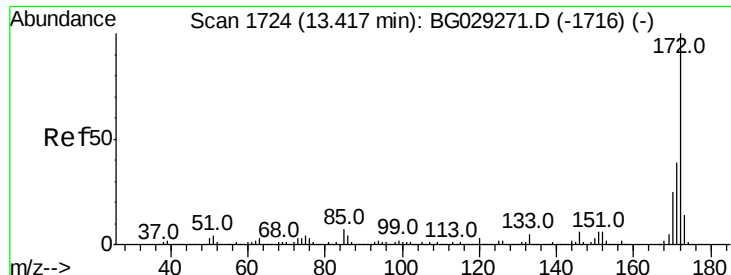
Abundance

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

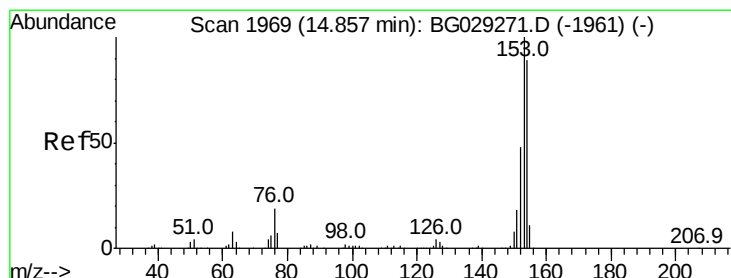
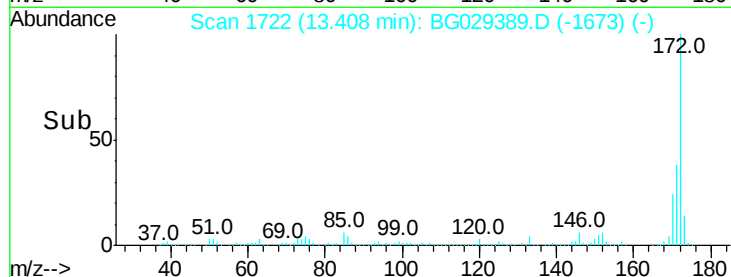
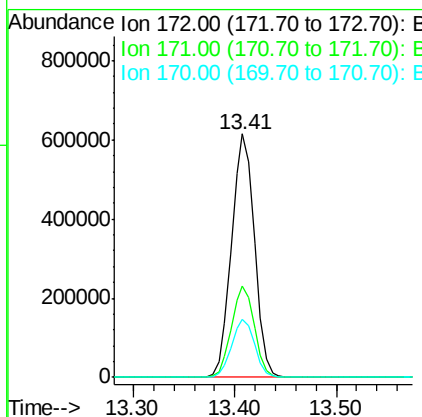
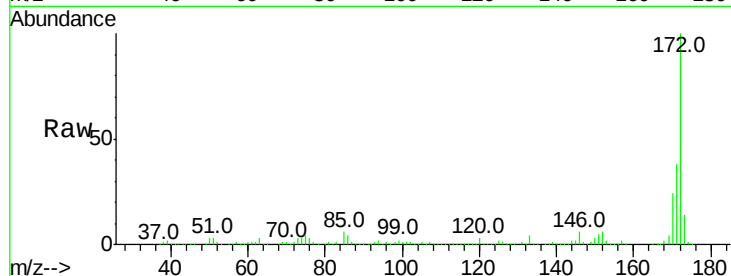




#44
 2-Fluorobiphenyl
 Concen: 87.465 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

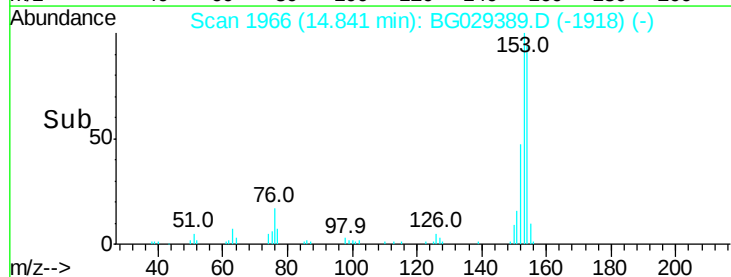
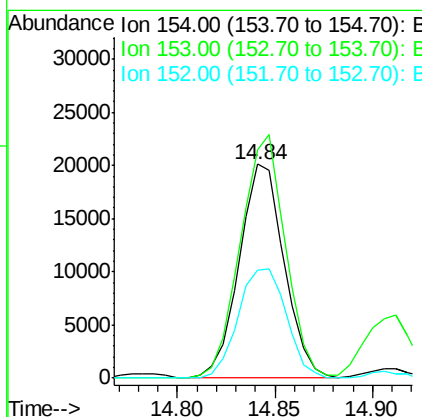
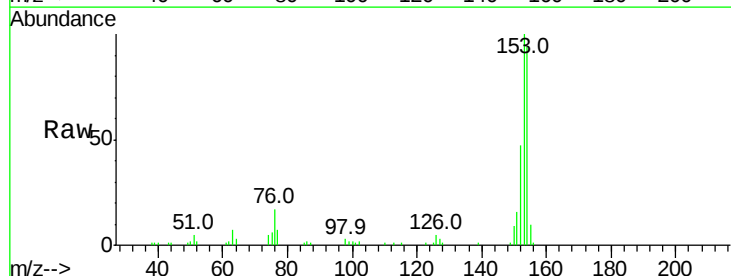
Instrument :
 BNA_G
 ClientSampleId :

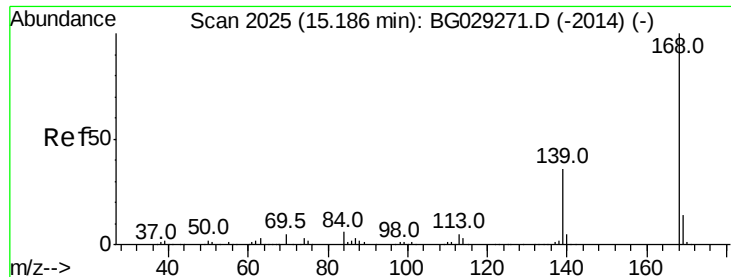
Tot Ion:172 Resp: 961123
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.0 45.0
 170 23.9 19.5 29.3



#51
 Acenaphthene
 Concen: 3.117 ng
 RT: 14.84 min Scan# 1966
 Delta R.T. -0.02 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Tgt Ion:154 Resp: 32076
 Ion Ratio Lower Upper
 154 100
 153 106.8 90.4 135.6
 152 50.6 41.6 62.4





#54

Dibenzenofuran

Concen: 4.398 ng

RT: 15.18 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

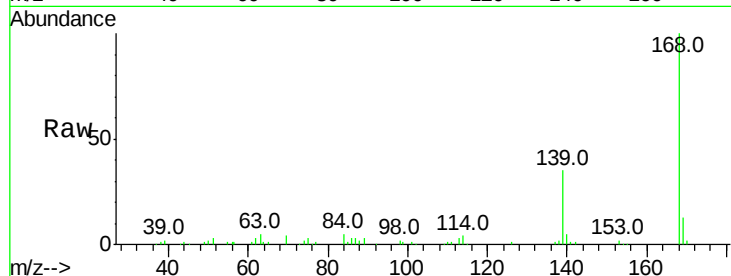
Tot Ion:168 Resp: 64601

Ion Ratio Lower Upper

168 100

139 34.9 28.6 43.0

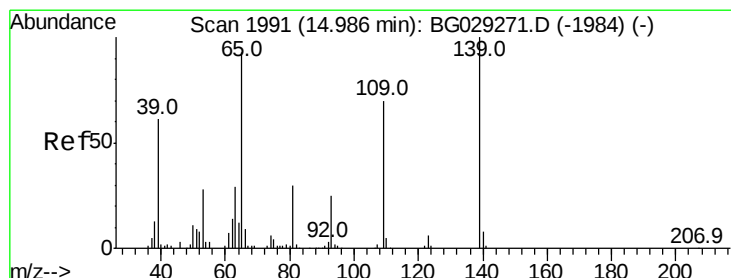
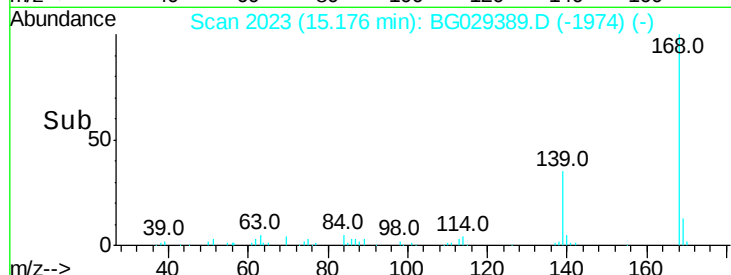
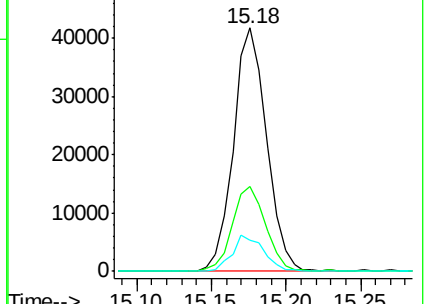
169 12.9 11.2 16.8



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: 9.689 ng

RT: 15.18 min Scan# 2023

Delta R.T. 0.19 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

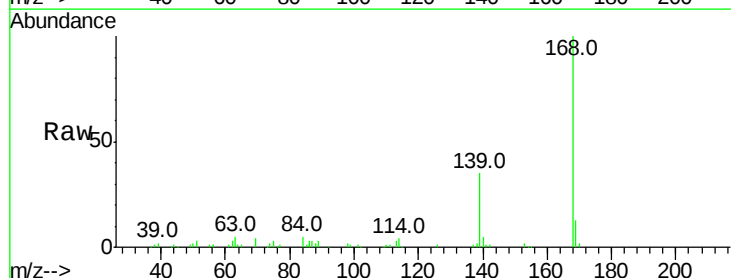
Tgt Ion:139 Resp: 22722

Ion Ratio Lower Upper

139 100

109 1.4 62.2 102.2#

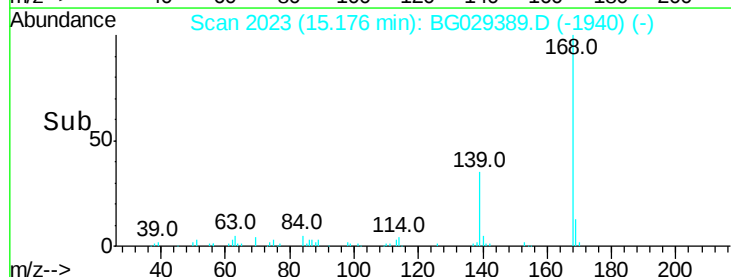
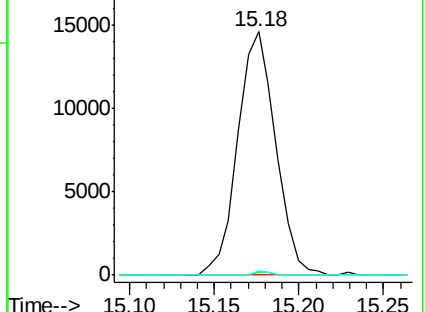
65 1.8 97.2 137.2#

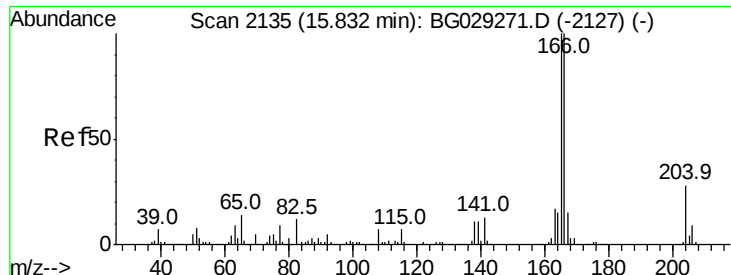


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#57

Fluorene

Concen: 2.985 ng

RT: 15.82 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

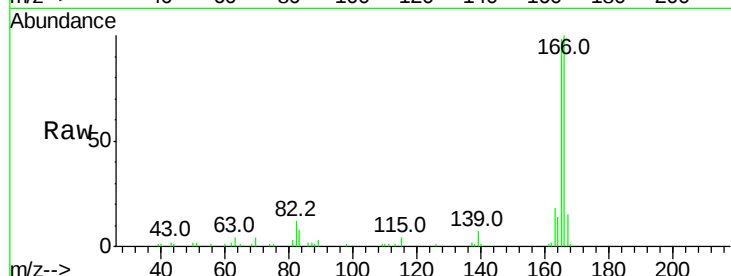
Tot Ion:166 Resp: 36225

Ion Ratio Lower Upper

166 100

165 98.1 80.6 121.0

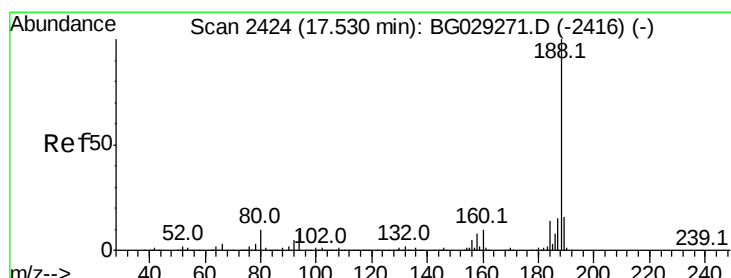
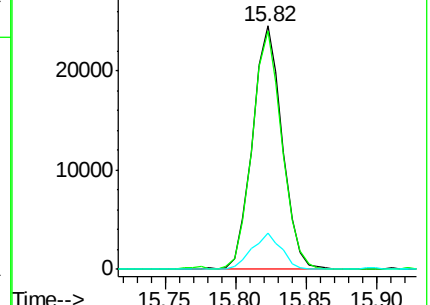
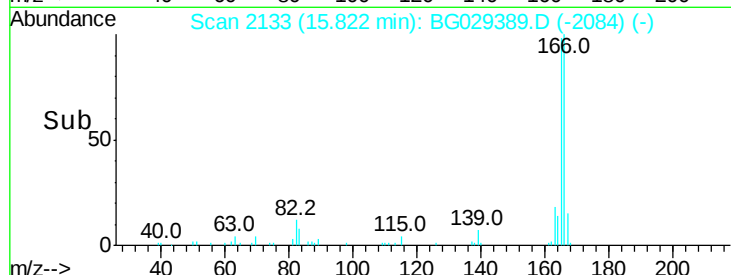
167 15.1 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

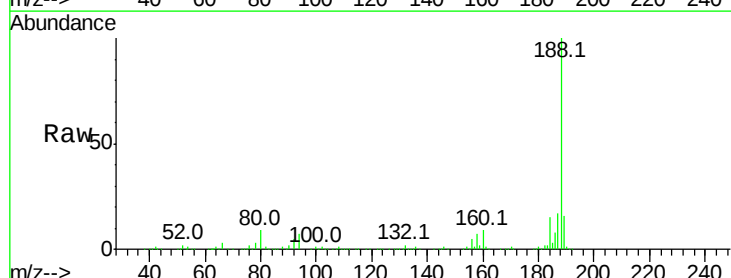
Tgt Ion:188 Resp: 442758

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

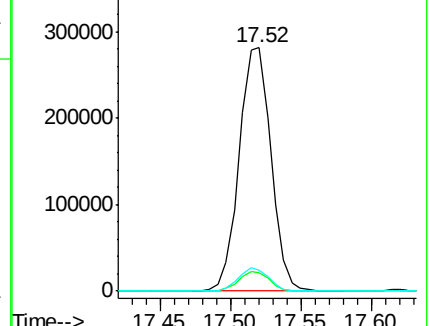
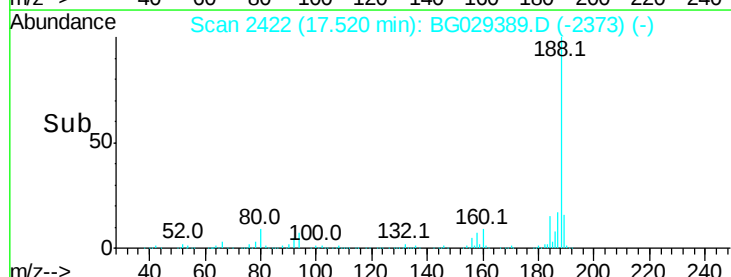
80 8.6 7.7 11.5

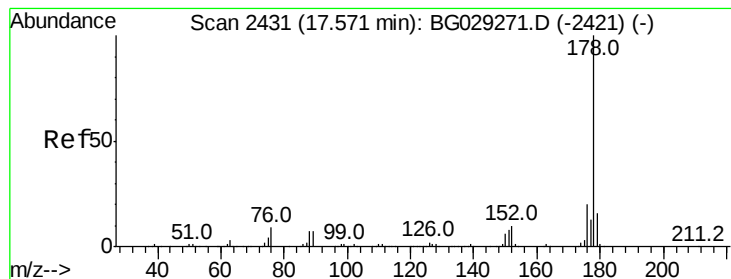


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.647 ng

RT: 17.56 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

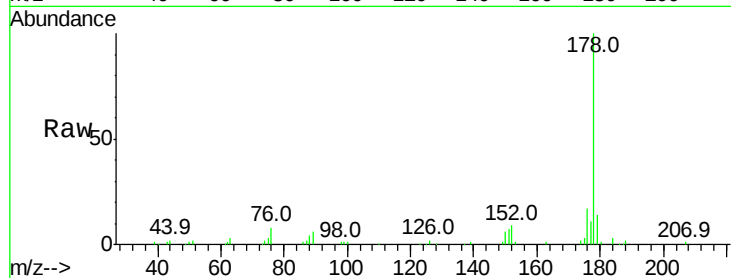
Tot Ion:178 Resp: 60556

Ion Ratio Lower Upper

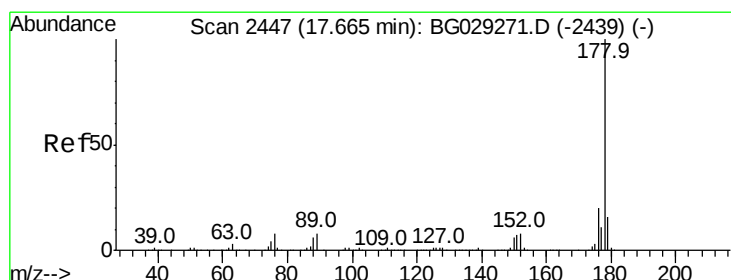
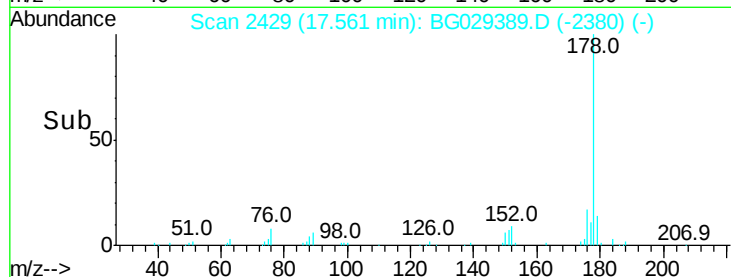
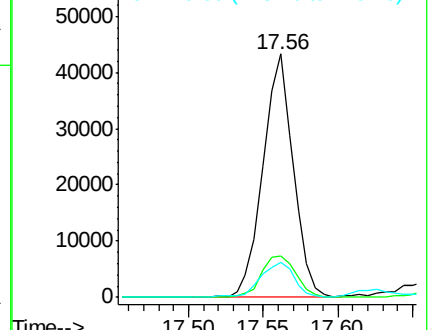
178 100

176 17.1 15.7 23.5

179 14.3 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: 2.637 ng

RT: 17.56 min Scan# 2429

Delta R.T. -0.10 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

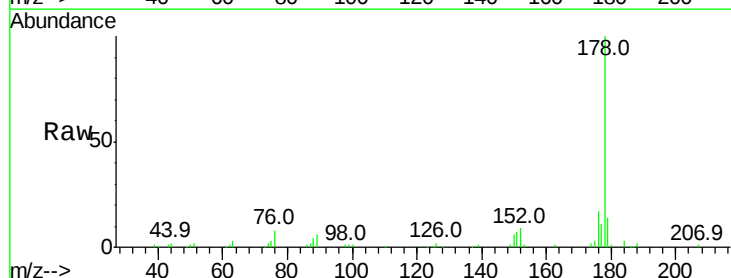
Tgt Ion:178 Resp: 60556

Ion Ratio Lower Upper

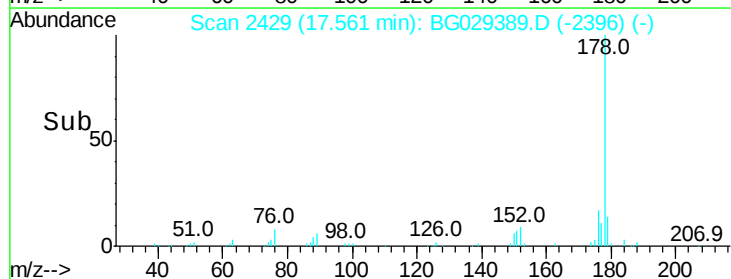
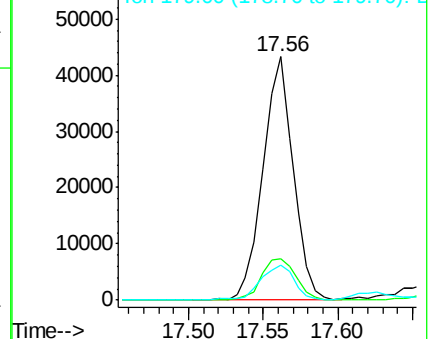
178 100

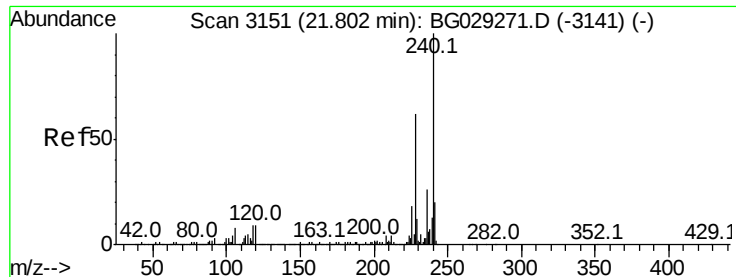
176 17.1 16.0 24.0

179 14.3 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# 3148

Delta R.T. -0.02 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

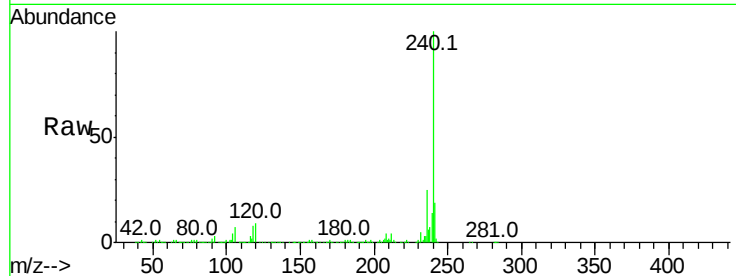
Tot Ion:240 Resp: 503587

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

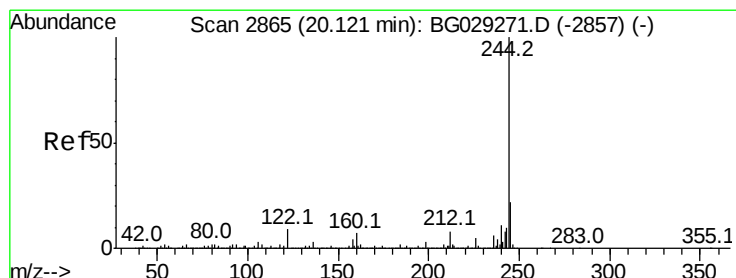
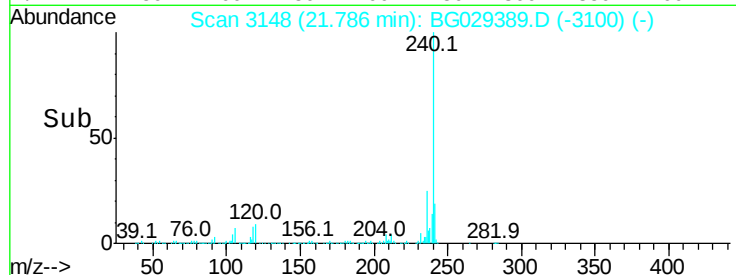
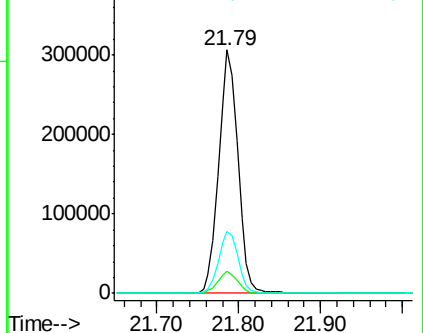
236 25.5 20.9 31.3



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: 86.299 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

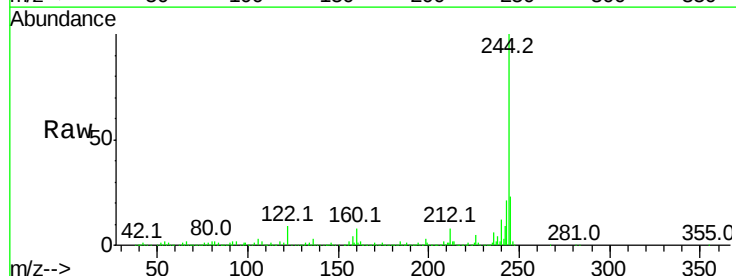
Tgt Ion:244 Resp: 1910335

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

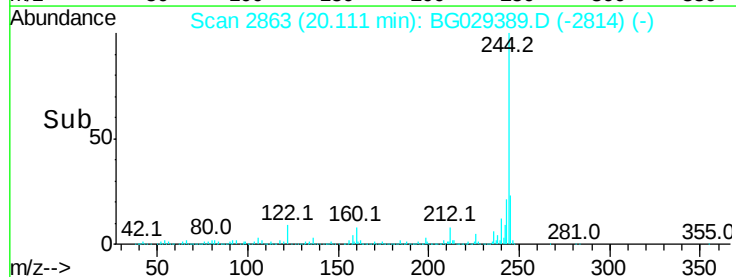
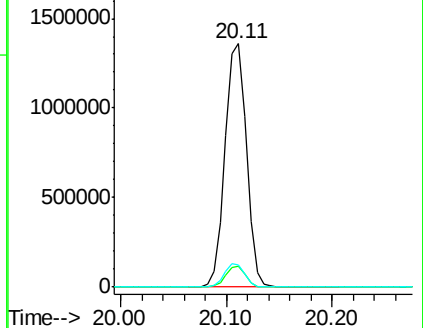
122 9.3 7.0 10.4

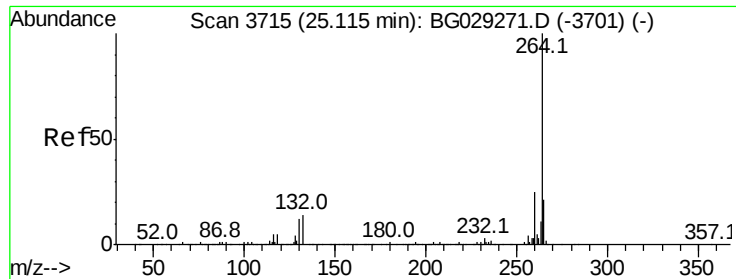


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.09 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	17.4	26.0
265	22.0	17.7	26.5

