

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\
 Data File : BG030565.D
 Acq On : 29 Oct 2017 17:22
 Operator : SJ/JU
 Sample : I6171-10
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 08:01:48 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

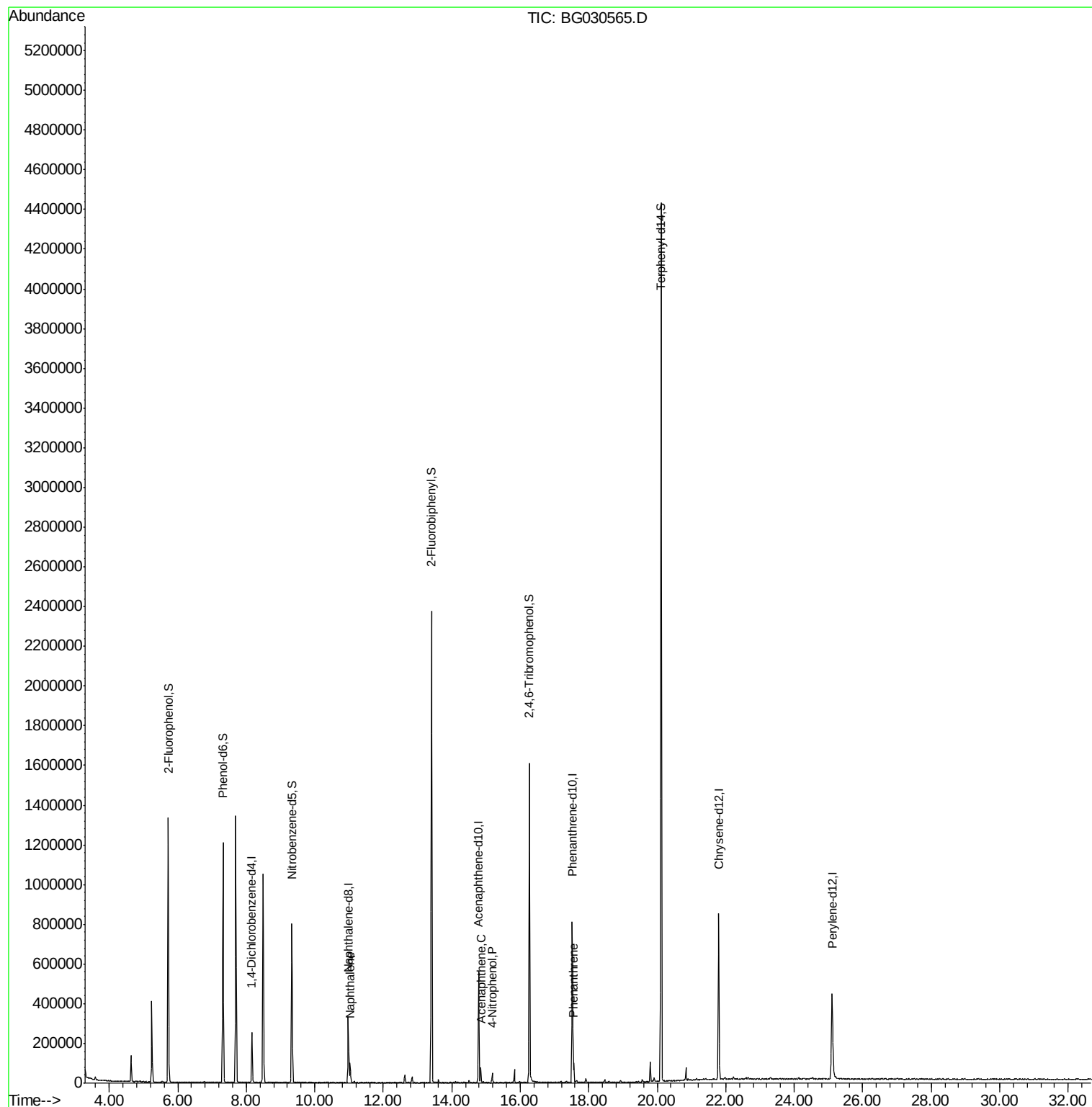
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	71957	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	303485	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	200118	20.00	ng	-0.01
63) Phenanthrene-d10	17.52	188	508663	20.00	ng	-0.01
75) Chrysene-d12	21.79	240	546920	20.00	ng	-0.01
86) Perylene-d12	25.11	264	529826	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	601842	139.72	ng	0.00
7) Phenol-d6	7.32	99	729527	120.66	ng	0.00
23) Nitrobenzene-d5	9.33	82	498270	104.33	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	349837	135.40	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1301729	95.40	ng	0.00
78) Terphenyl-d14	20.12	244	2119472	88.16	ng	0.00
Target Compounds						
31) Naphthalene	11.03	128	84010	5.554	ng	97
51) Acenaphthene	14.84	154	28980	2.268	ng	94
55) 4-Nitrophenol	15.17	139	12142	4.170	ng	# 1
70) Phenanthrene	17.57	178	62875	2.393	ng	99

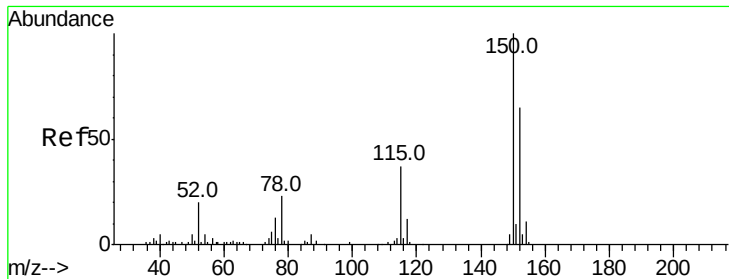
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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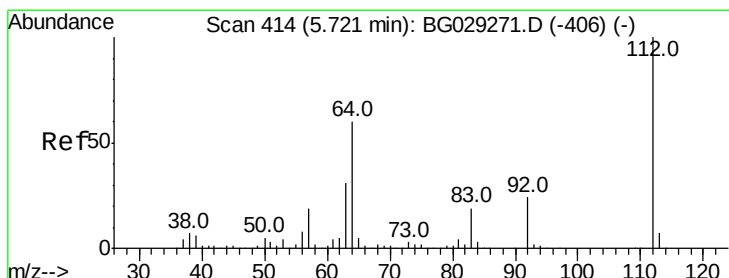
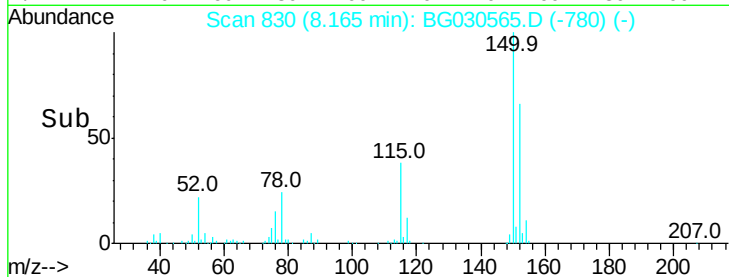
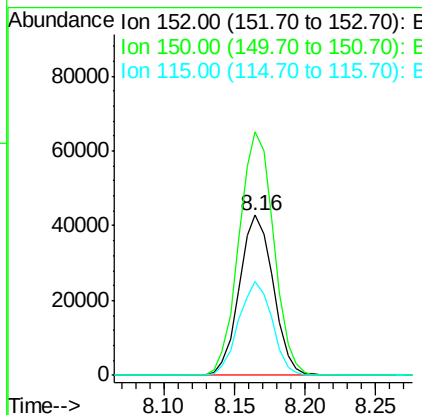
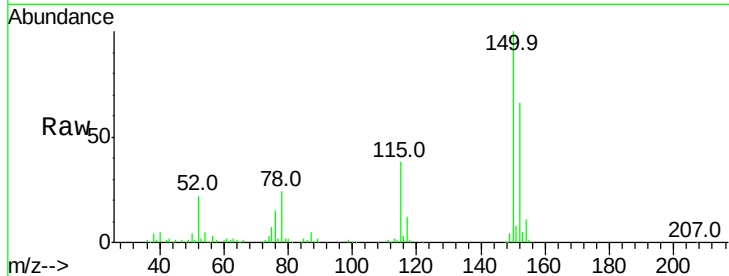


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.16 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

Instrument :
 BNA_G
 ClientSampleId :

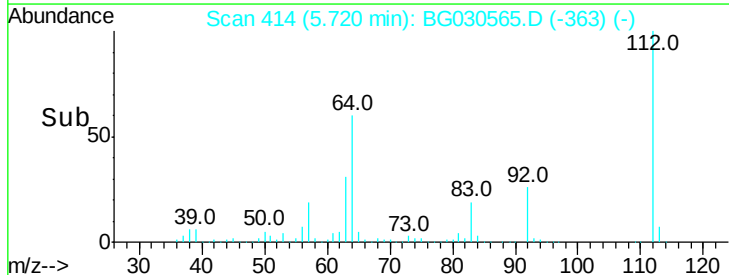
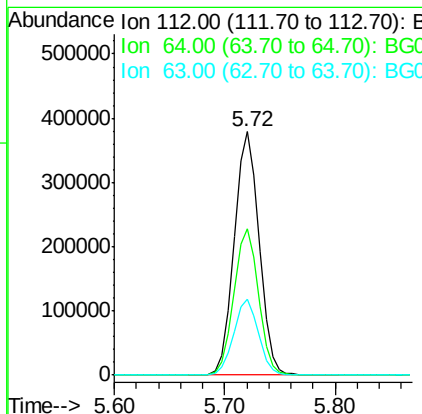
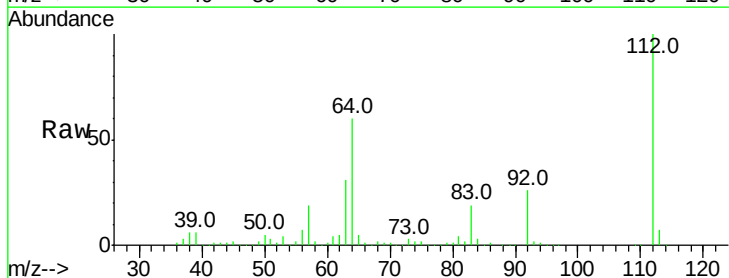
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.6	189.8
115	58.4	53.0	79.4

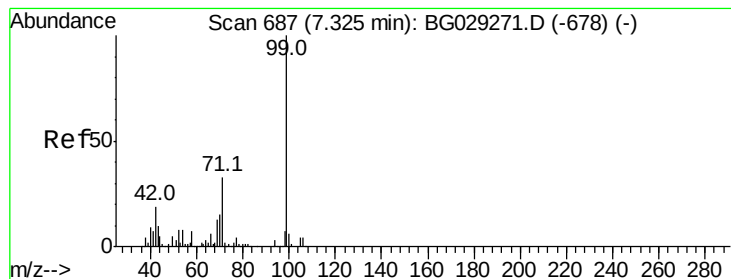


#5

2-Fluorophenol
 Concen: 139.724 ng
 RT: 5.72 min Scan# 414
 Delta R.T. 0.00 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	56.3	84.5
63	31.0	30.1	45.1





#7

Phenol-d6

Concen: 120.661 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

Instrument :

BNA_G

ClientSampleId :

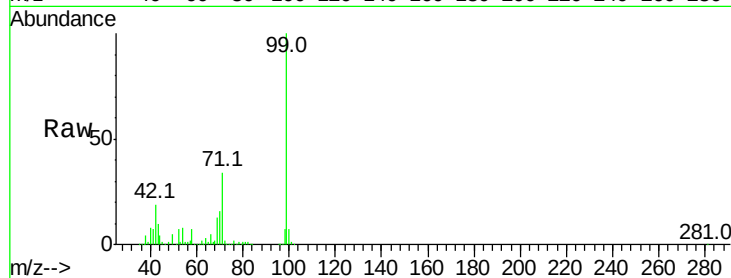
Tot Ion: 99 Resp: 729527

Ion Ratio Lower Upper

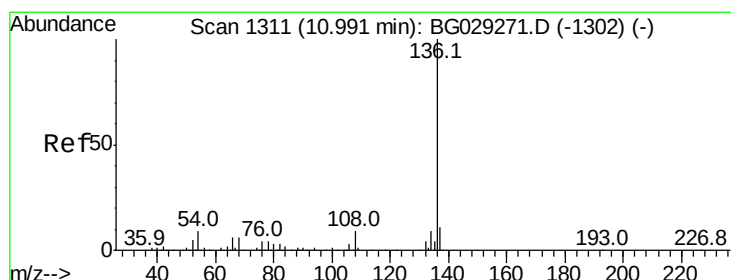
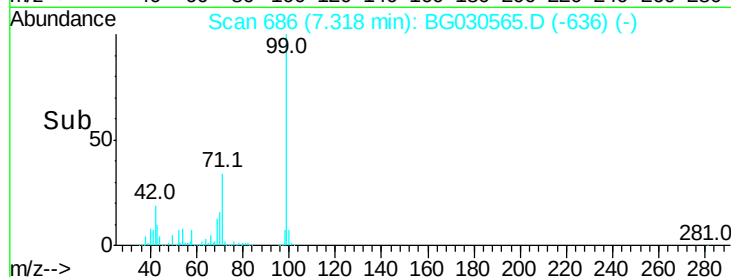
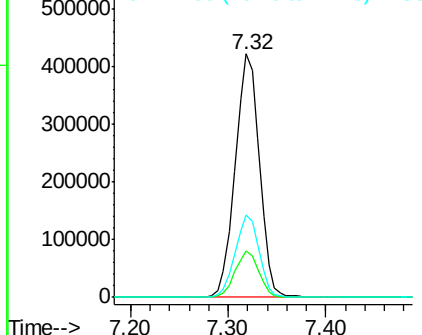
99 100

42 19.2 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: BG030565.D

Acq: 29 Oct 2017 17:22

Tgt Ion: 136 Resp: 303485

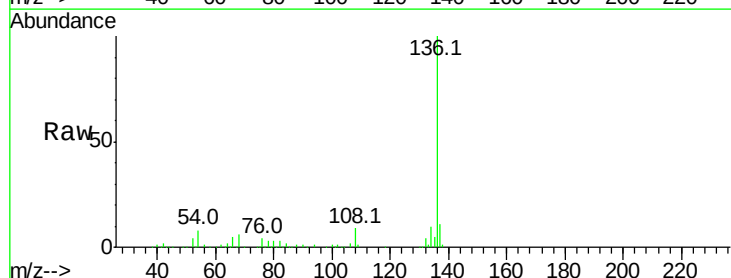
Ion Ratio Lower Upper

136 100

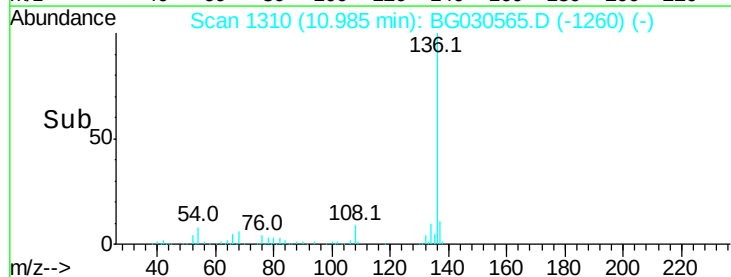
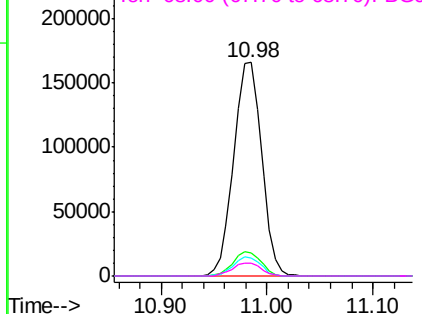
137 11.1 9.2 13.8

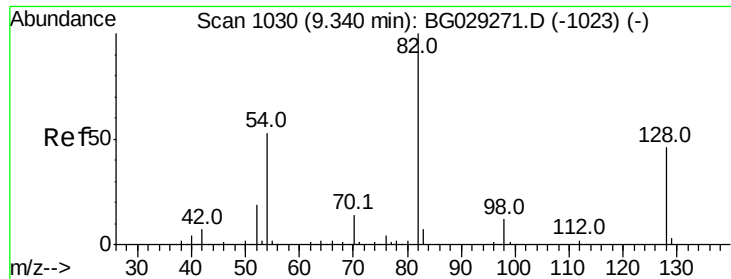
54 8.5 10.3 15.5#

68 6.1 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

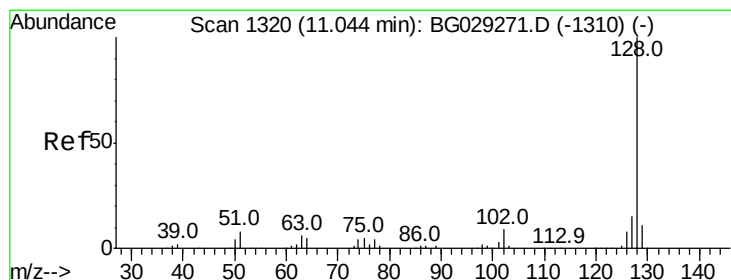
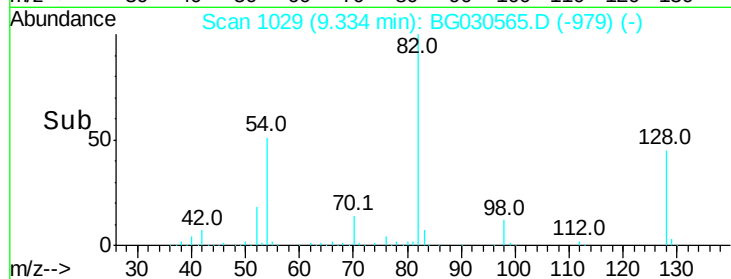
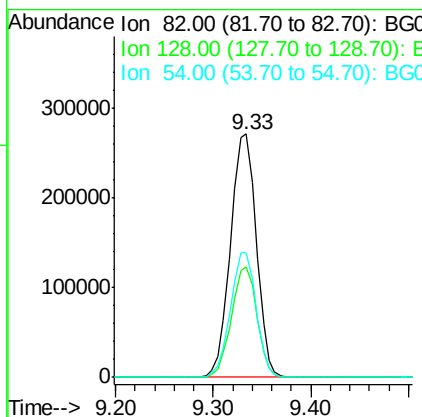
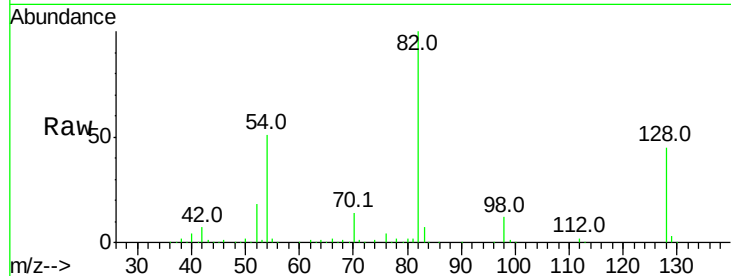




#23
 Nitrobenzene-d5
 Concen: 104.334 ng
 RT: 9.33 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

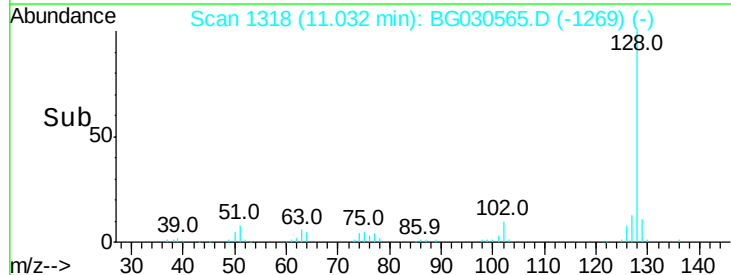
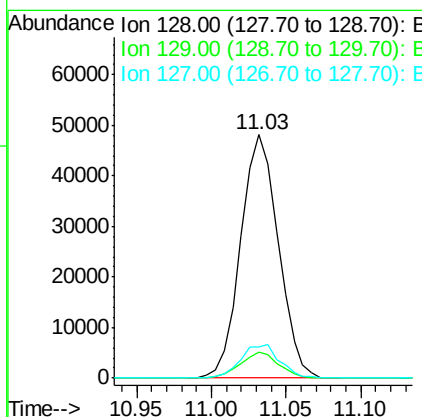
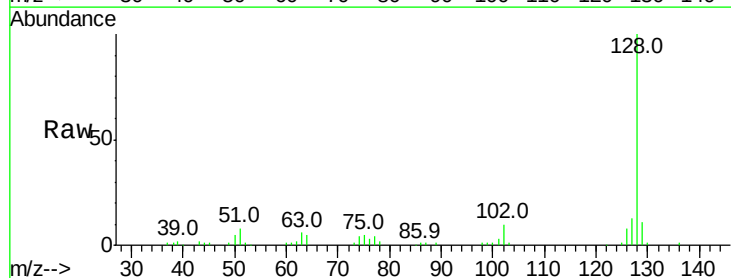
Instrument :
 BNA_G
 ClientSampleId :

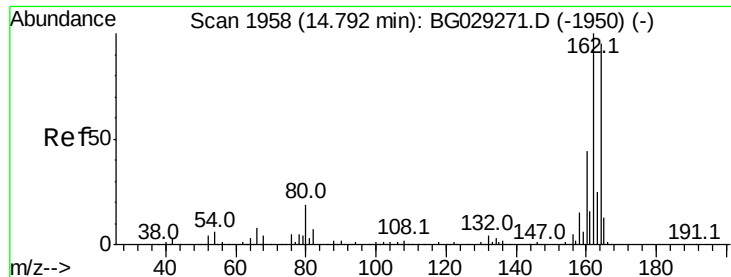
Tot Ion: 82 Resp: 498270
 Ion Ratio Lower Upper
 82 100
 128 45.3 29.7 44.5#
 54 51.1 43.1 64.7



#31
 Naphthalene
 Concen: 5.554 ng
 RT: 11.03 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

Tgt Ion:128 Resp: 84010
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.6 12.8
 127 12.6 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

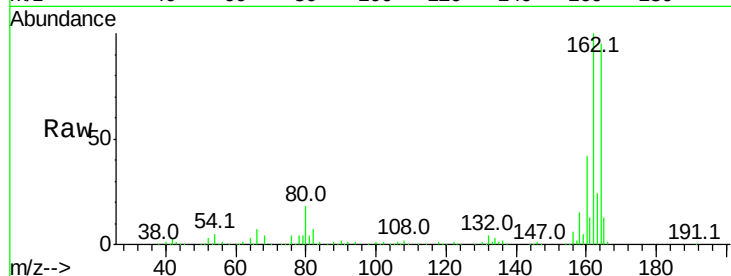
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 200118

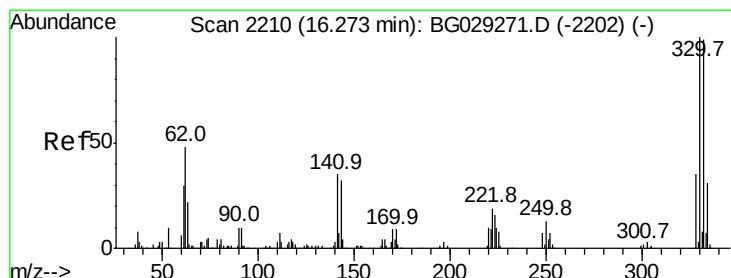
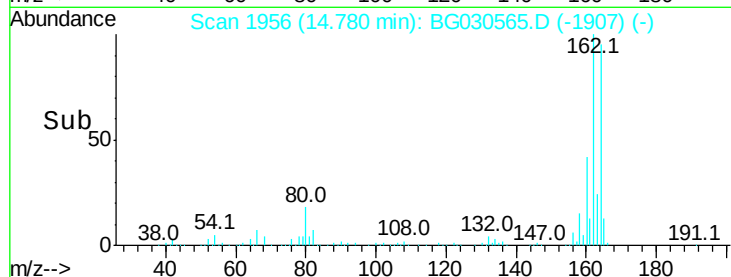
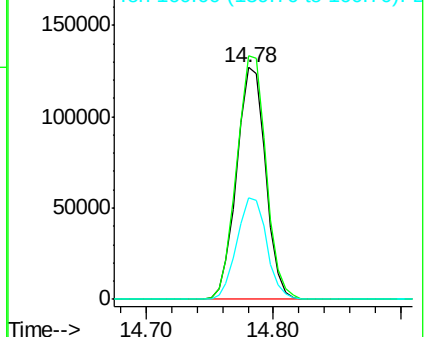
Ion	Ratio	Lower	Upper
164	100		
162	105.0	78.8	118.2
160	43.7	35.4	53.0



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: 135.400 ng

RT: 16.27 min Scan# 2209

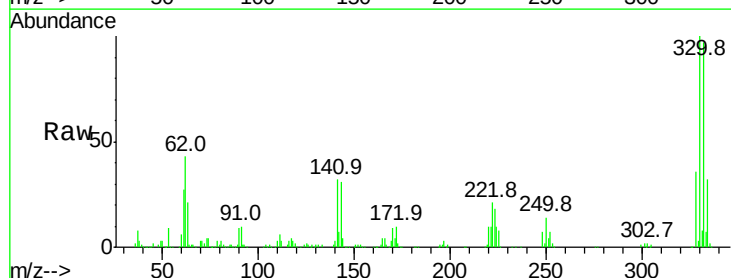
Delta R.T. -0.01 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

Tgt Ion:330 Resp: 349837

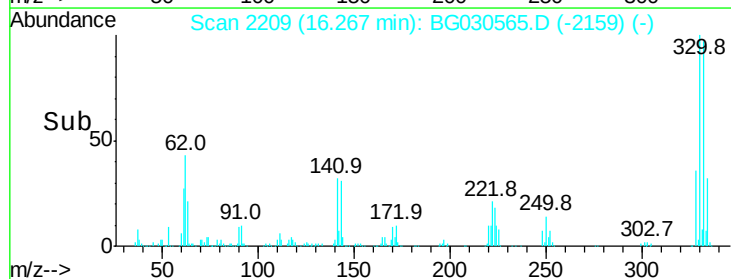
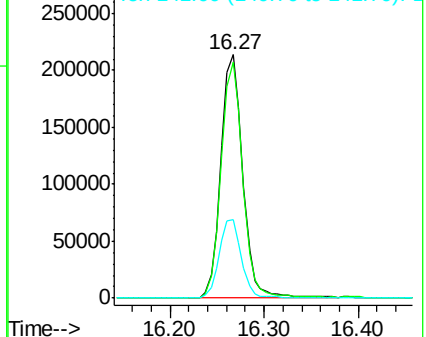
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.3	25.2	37.8

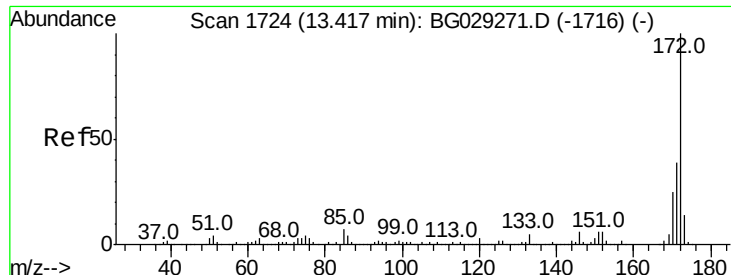


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



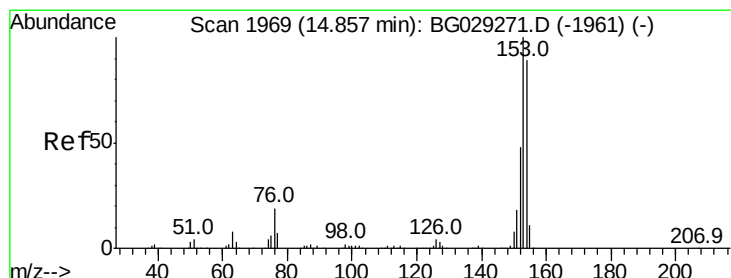
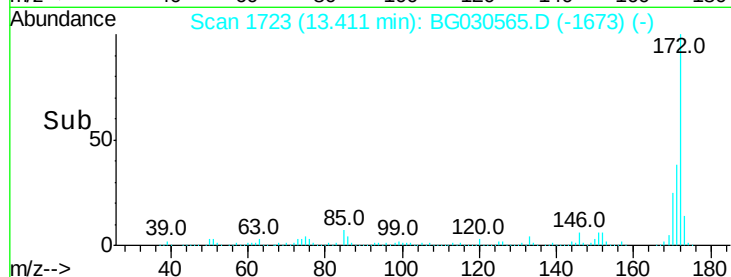
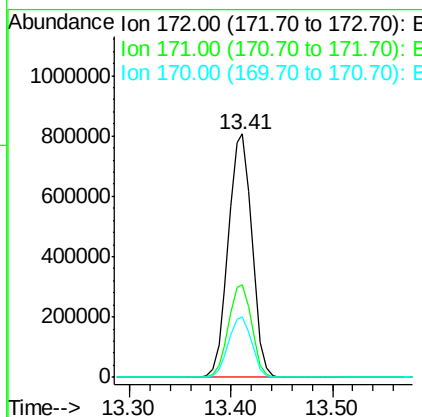
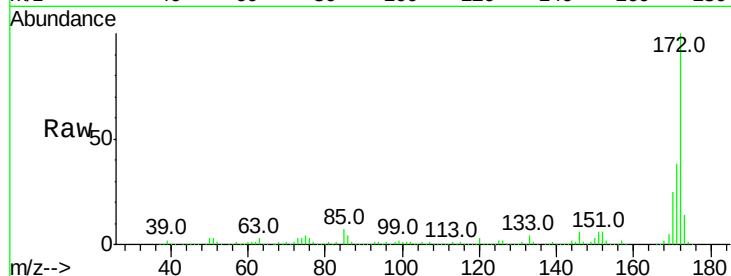


#44
 2-Fluorobiphenyl
 Concen: 95.403 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1301729

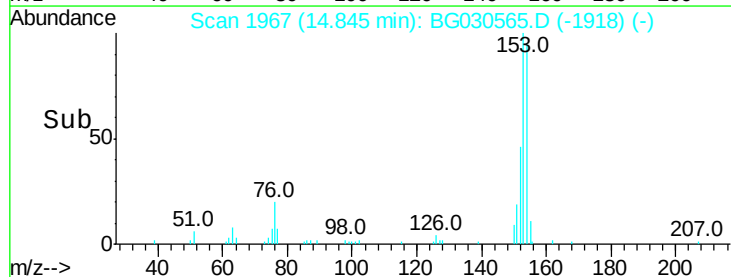
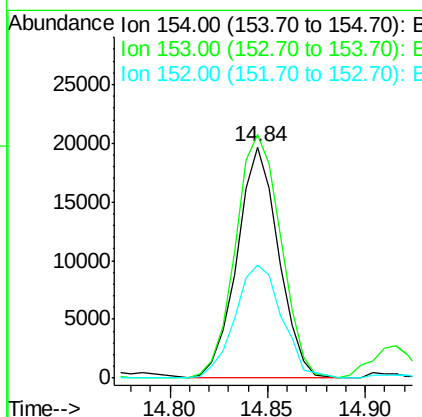
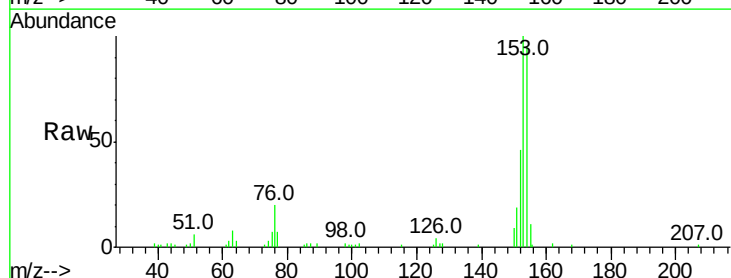
Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	24.6	19.5	29.3

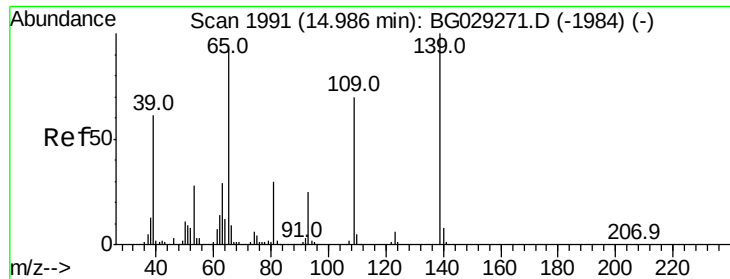


#51
 Acenaphthene
 Concen: 2.268 ng
 RT: 14.84 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

Tgt Ion:154 Resp: 28980

Ion	Ratio	Lower	Upper
154	100		
153	105.5	90.4	135.6
152	49.0	41.6	62.4





#55

4-Nitrophenol

Concen: 4.170 ng

RT: 15.17 min Scan# 2023

Delta R.T. 0.19 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

Instrument :

BNA_G

ClientSampleId :

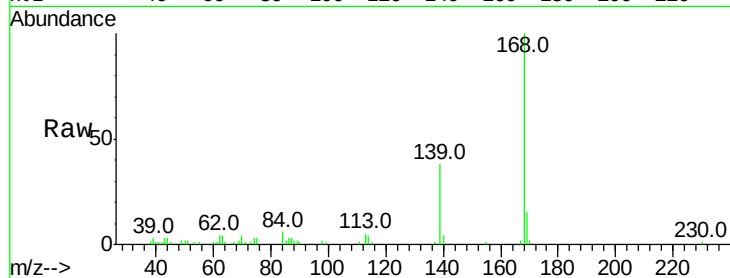
Tot Ion:139 Resp: 12142

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

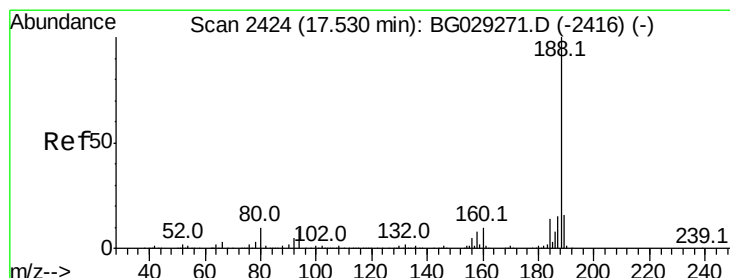
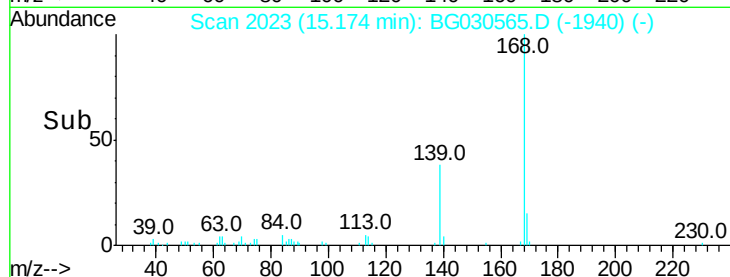
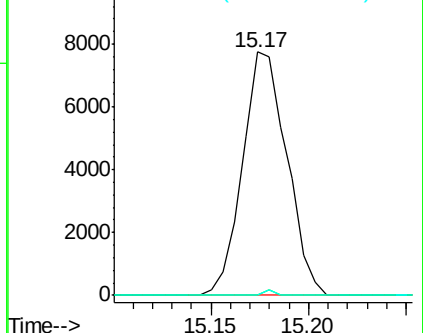
65 0.0 97.2 137.2#



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): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

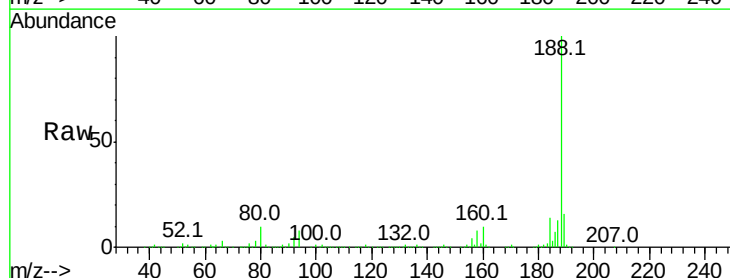
Tgt Ion:188 Resp: 508663

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

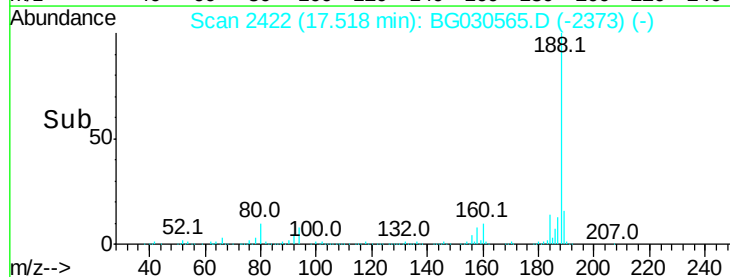
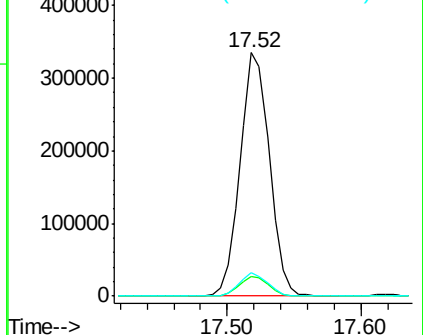
80 9.5 7.7 11.5

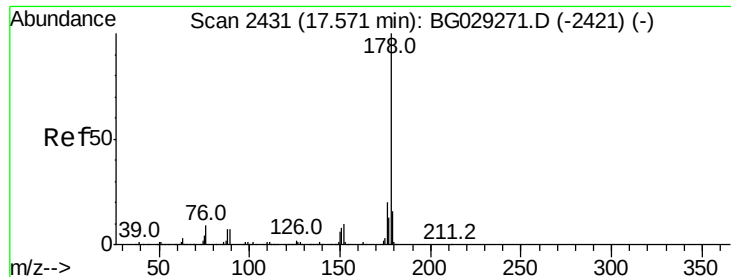


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

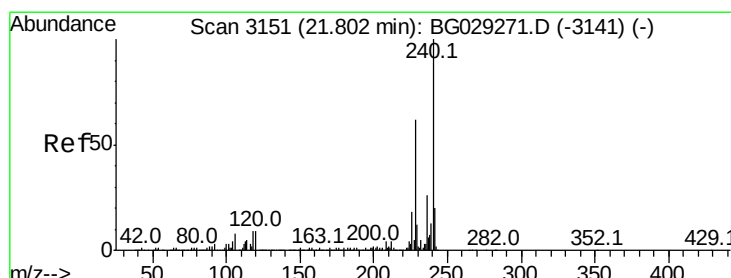
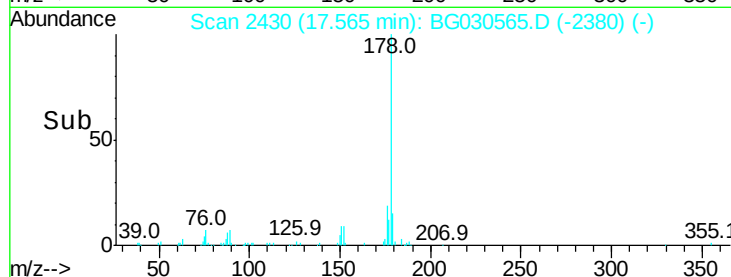
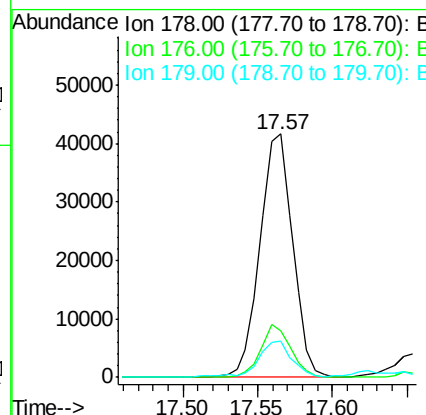
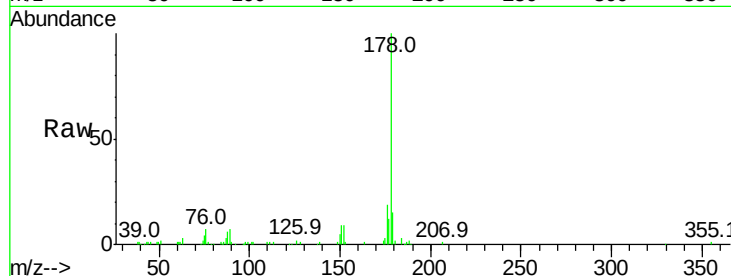




#70
 Phenanthrene
 Concen: 2.393 ng
 RT: 17.57 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

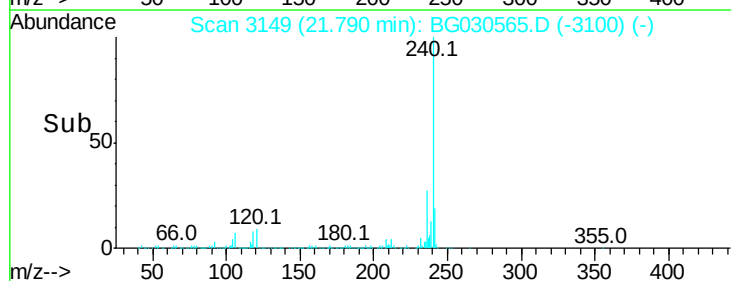
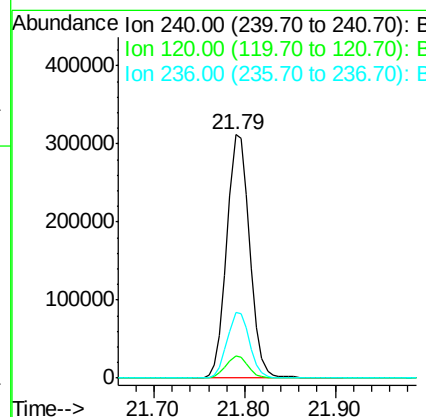
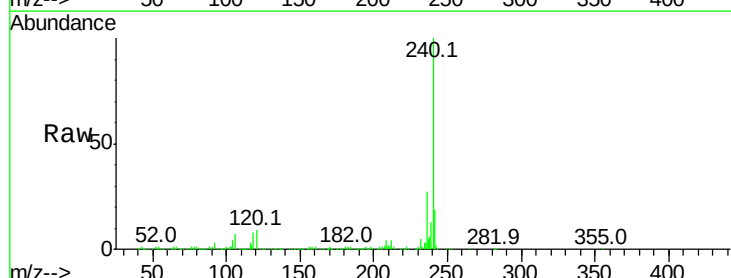
Instrument :
 BNA_G
 ClientSampleId :

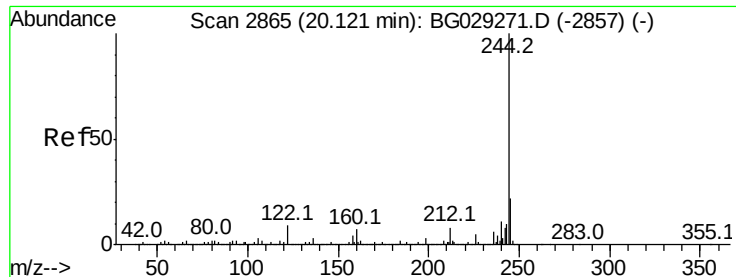
Tot Ion:178 Resp: 62875
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.7 23.5
 179 14.8 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3149
 Delta R.T. -0.01 min
 Lab File: BG030565.D
 Acq: 29 Oct 2017 17:22

Tgt Ion:240 Resp: 546920
 Ion Ratio Lower Upper
 240 100
 120 9.3 6.8 10.2
 236 26.9 20.9 31.3





#78

Terphenyl-d14

Concen: 88.160 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

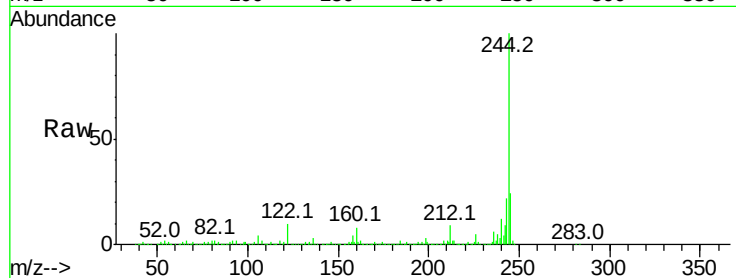
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2119472

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	9.9	7.0	10.4

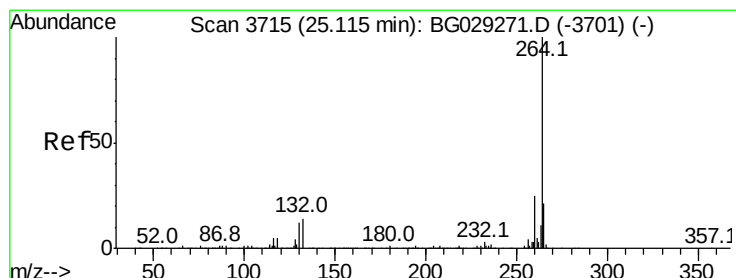
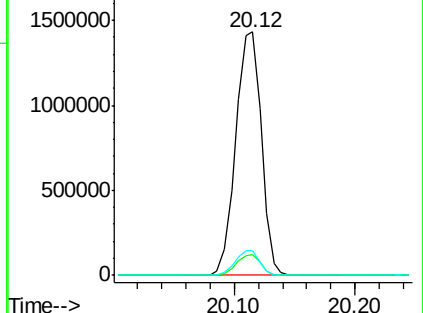
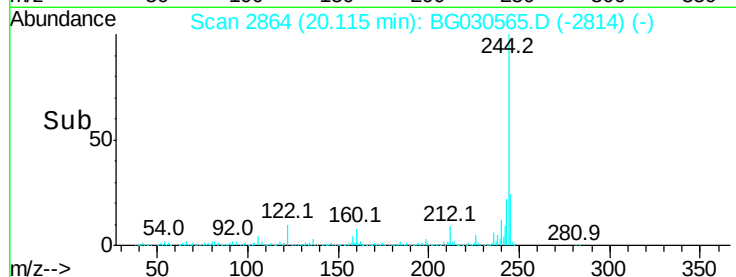


Abundance

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# 3714

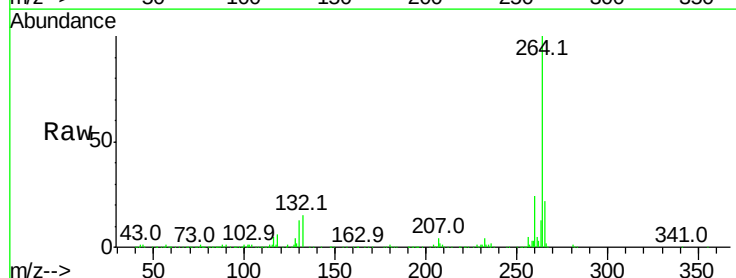
Delta R.T. -0.01 min

Lab File: BG030565.D

Acq: 29 Oct 2017 17:22

Tgt Ion:264 Resp: 529826

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.5	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

