

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033599.D
 Acq On : 5 Apr 2018 19:11
 Operator : SJ/JU
 Sample : J2216-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Manual Integrations
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Sohil
 4/6/2018 5:27:56 PM

Quant Time: Apr 06 03:38:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	41277	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	199917	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	146044	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	331217	20.00	ng	0.00
75) Chrysene-d12	22.55	240	328328	20.00	ng	0.00
86) Perylene-d12	26.31	264	354122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	118550	53.85	ng	0.00
7) Phenol-d6	7.97	99	124317	32.87	ng	0.00
23) Nitrobenzene-d5	10.06	82	333149	76.56	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	219071	100.30	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	778791	76.98	ng	0.00
78) Terphenyl-d14	20.73	244	936165	60.98	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.92	88	5932	5.306	ng	89
10) Phenol	8.01	94	12195	3.266	ng	89
27) 2,4-Dimethylphenol	10.87	122	44716	17.457	ng	87
31) Naphthalene	11.80	128	2221234	214.410	ng	97
45) 1,1'-Biphenyl	14.32	154	60939	5.431	ng	98
48) Acenaphthylene	15.21	152	38813	2.688	ng	# 95
49) Dimethylphthalate	14.90	163	29367	2.311	ng	# 95
51) Acenaphthene	15.54	154	200963	21.588	ng	98
54) Dibenzofuran	15.87	168	198273	14.419	ng	96
57) Fluorene	16.51	166	135199	11.541	ng	98
70) Phenanthrene	18.25	178	210186	12.185	ng	99
71) Anthracene	18.34	178	41714m	2.388	ng	
72) Carbazole	18.60	167	324804	20.986	ng	98

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

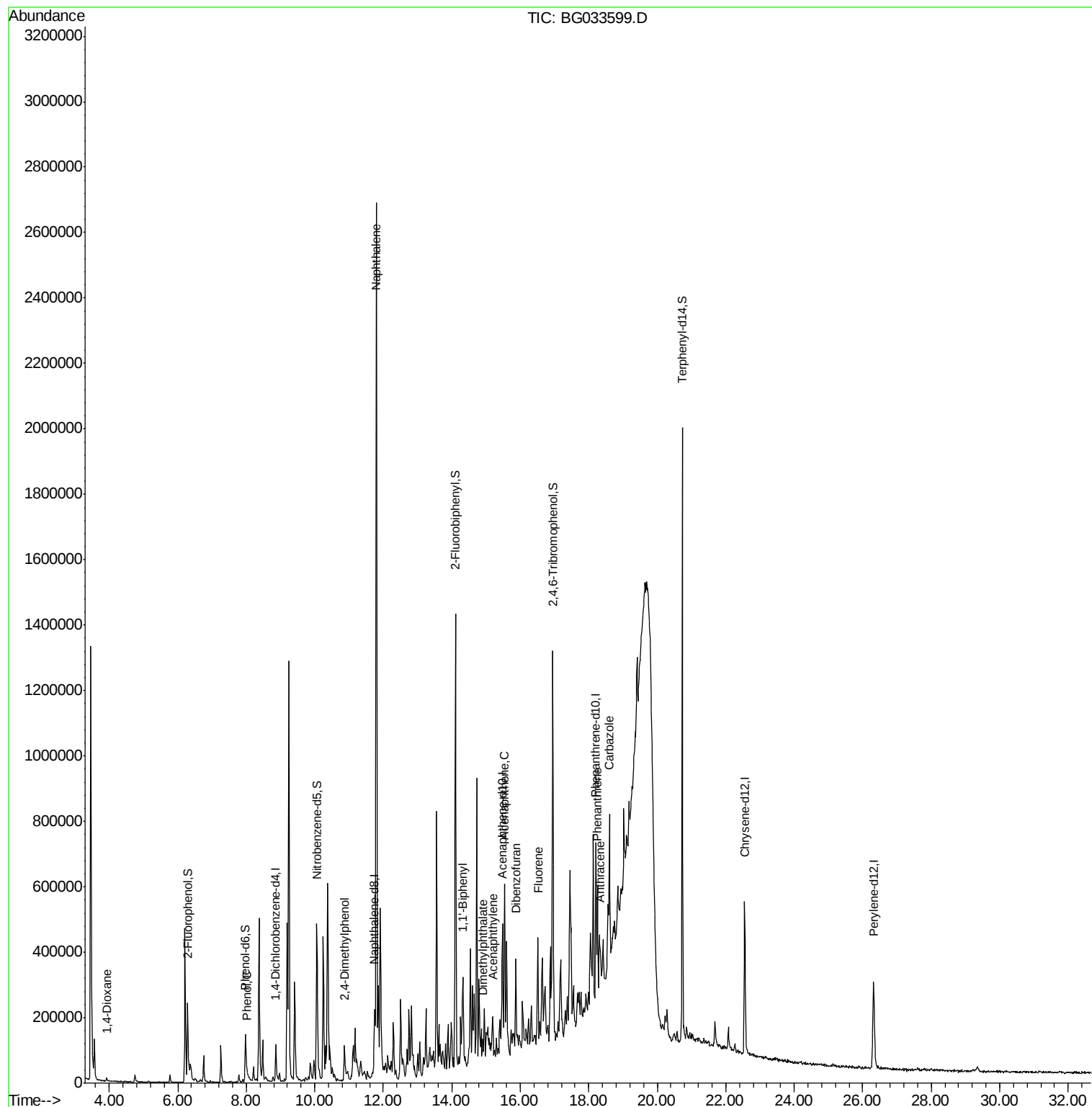
Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
Data File : BG033599.D
Acq On : 5 Apr 2018 19:11
Operator : SJ/JU
Sample : J2216-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

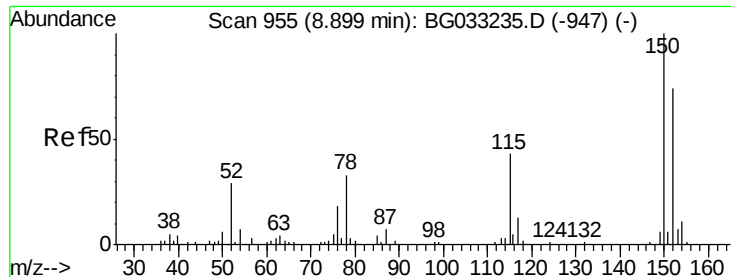
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

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Quant Time: Apr 06 03:38:27 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
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#1

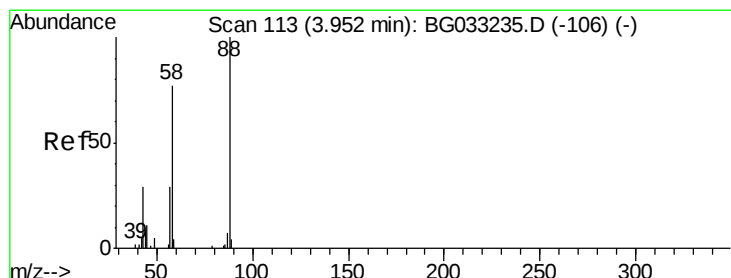
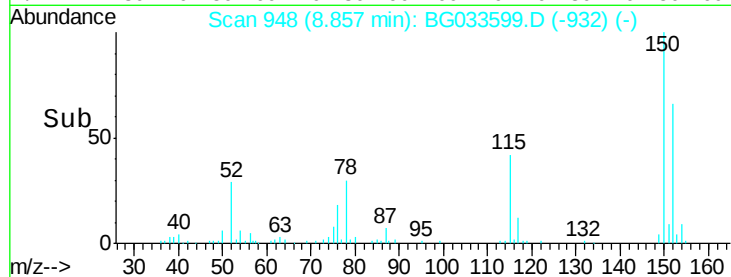
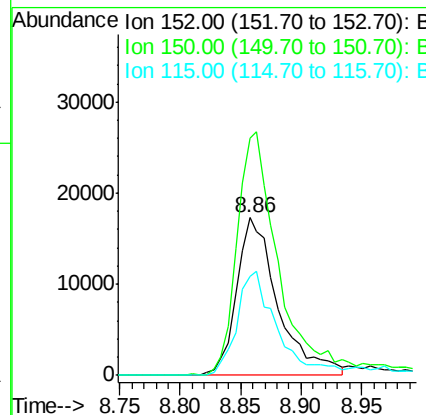
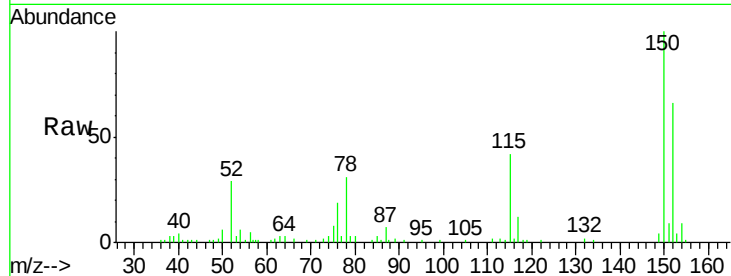
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	126.6	189.8
115	62.9	53.0	79.4

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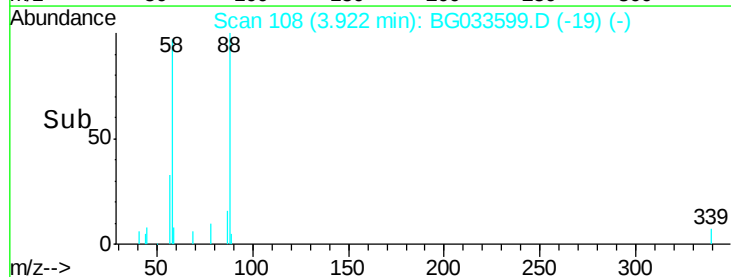
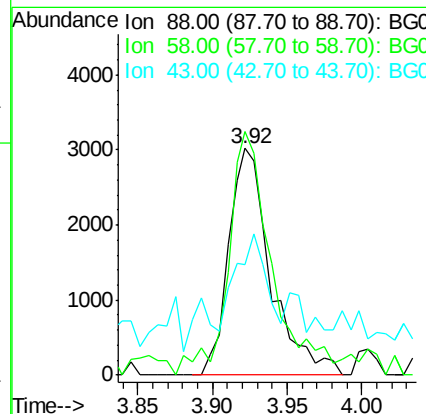
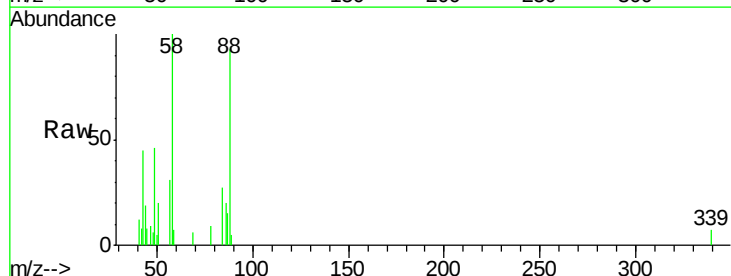
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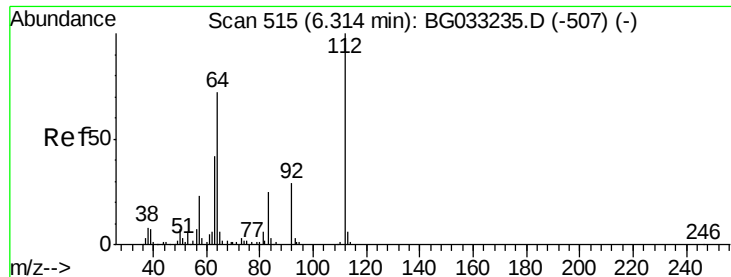


#2

1,4-Dioxane
Concen: 5.306 ng
RT: 3.92 min Scan# 108
Delta R.T. -0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	111.4	79.6	119.4
43	30.2	27.4	41.0





#5

2-Fluorophenol

Concen: 53.855 ng

RT: 6.29 min Scan# 511

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

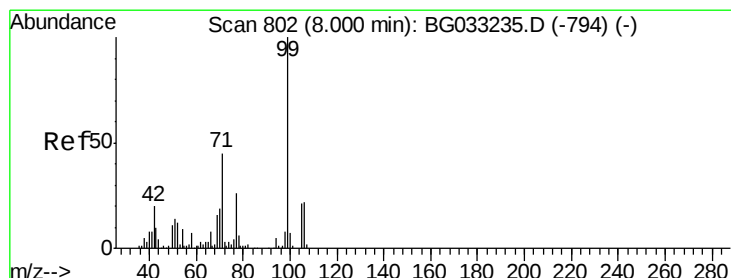
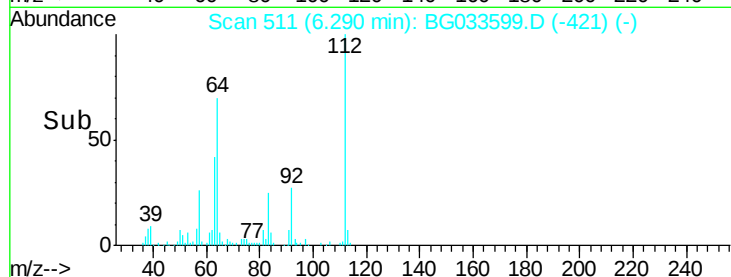
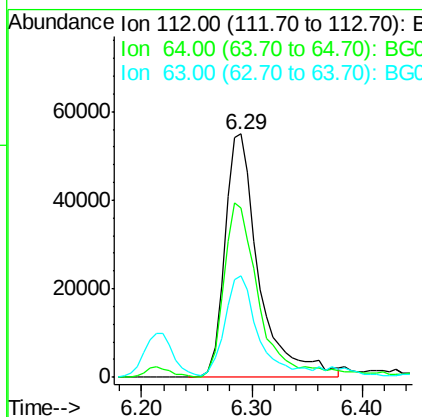
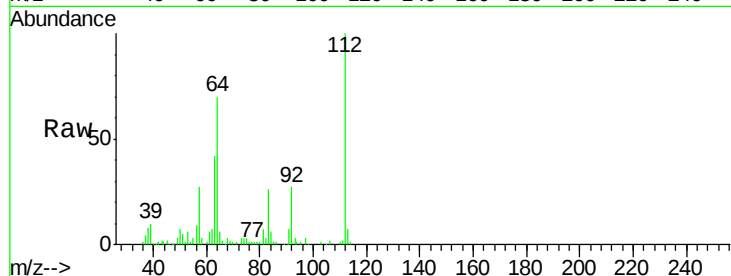
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		118550		
64	69.7	56.3	84.5		
63	41.7	30.1	45.1		

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#7

Phenol-d6

Concen: 32.868 ng

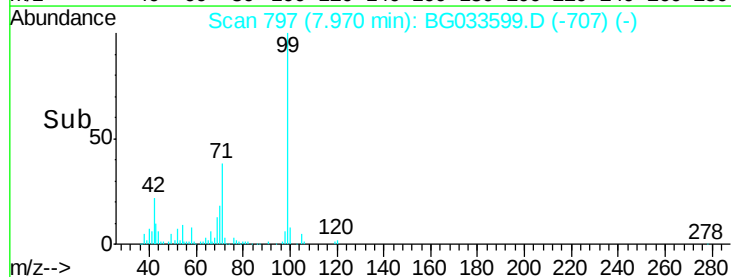
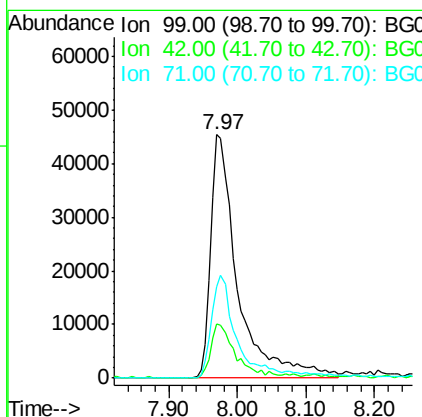
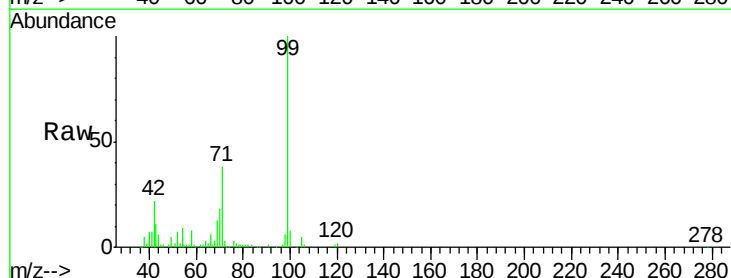
RT: 7.97 min Scan# 797

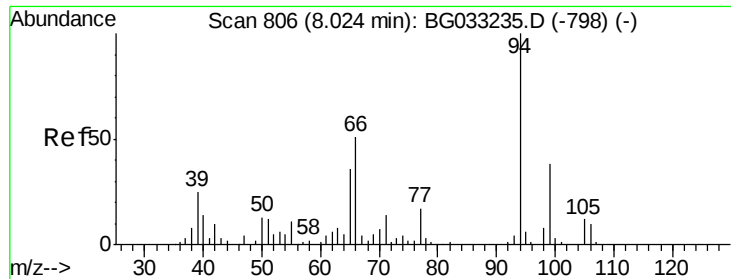
Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		124317		
42	22.4	14.1	21.1#		
71	37.6	26.1	39.1		





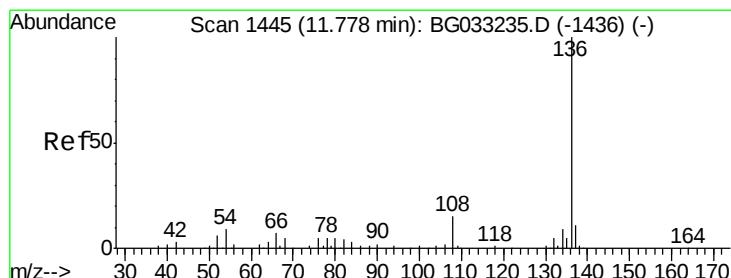
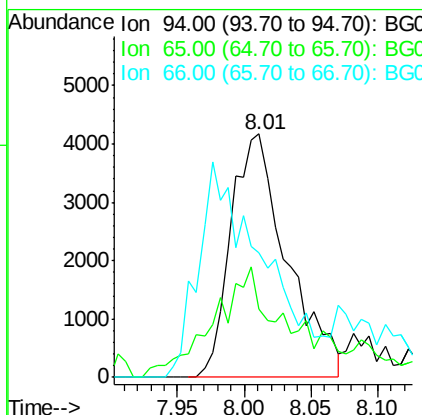
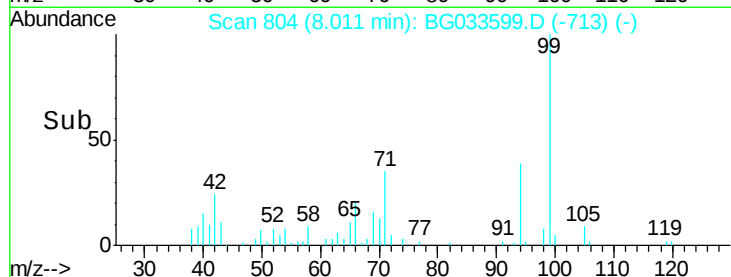
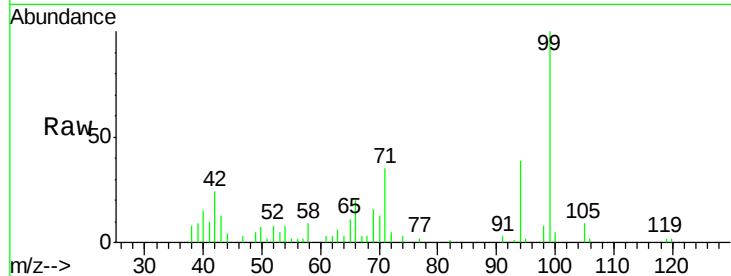
#10
Phenol
Concen: 3.266 ng
RT: 8.01 min Scan# 804
Delta R.T. 0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
94	100		
65	28.0	11.9	51.9
66	51.3	22.2	62.2

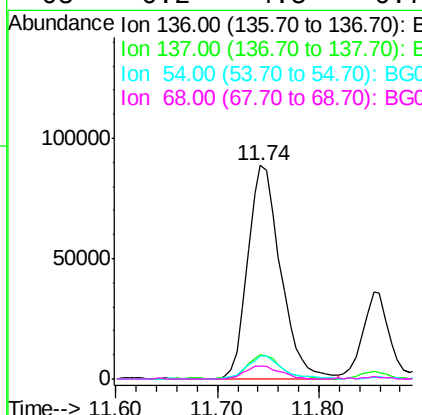
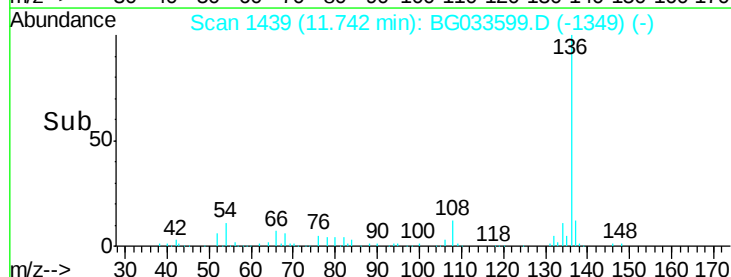
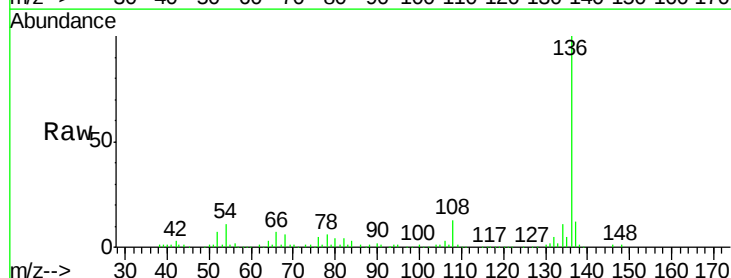
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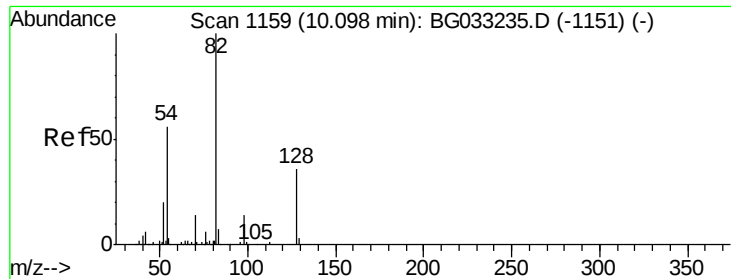
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	10.8	10.3	15.5
68	6.2	4.5	6.7





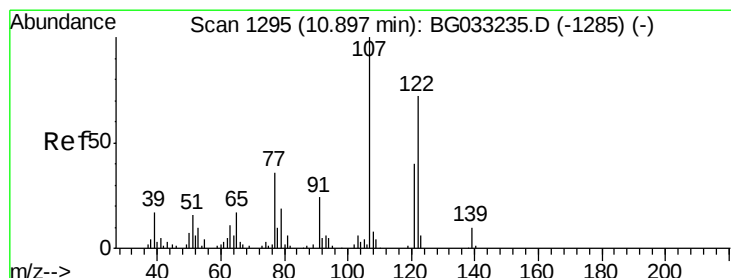
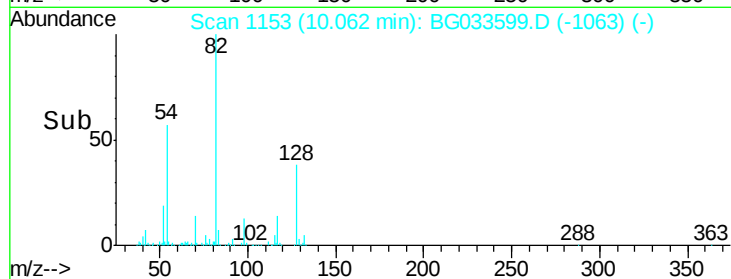
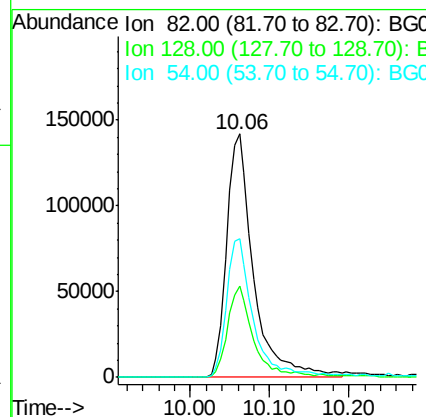
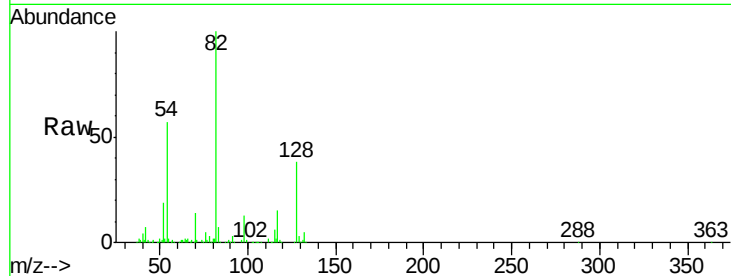
#23
 Nitrobenzene-d5
 Concen: 76.563 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.6	29.7	44.5	
54	57.0	43.1	64.7	

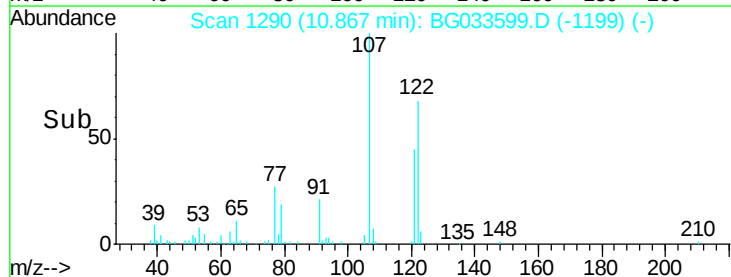
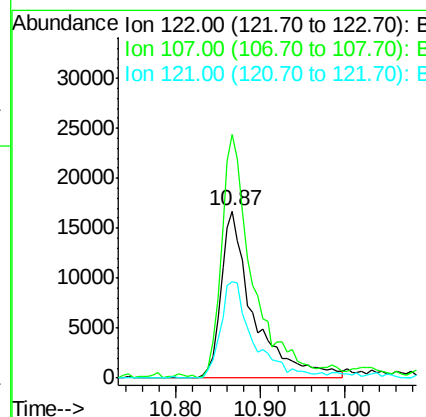
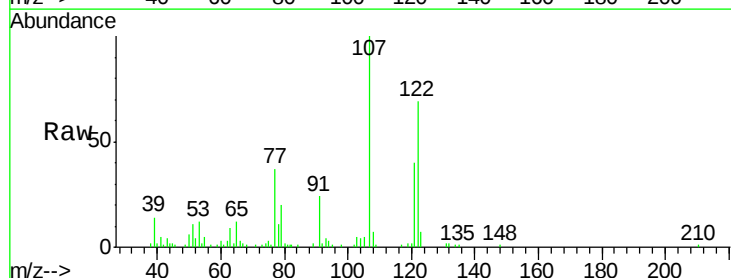
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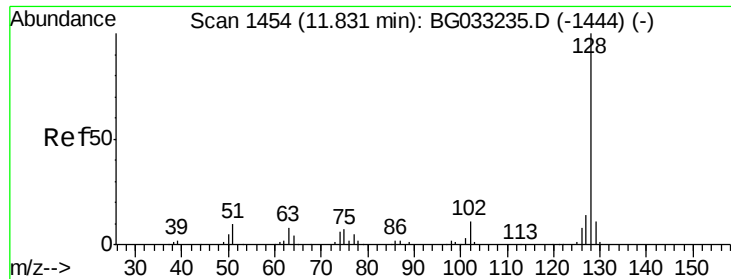
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#27
 2,4-Dimethylphenol
 Concen: 17.457 ng
 RT: 10.87 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	145.4	100.2	150.2	
121	57.7	44.4	66.6	





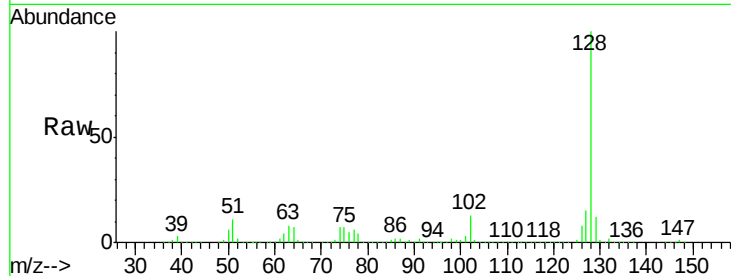
#31
Naphthalene
Concen: 214.410 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

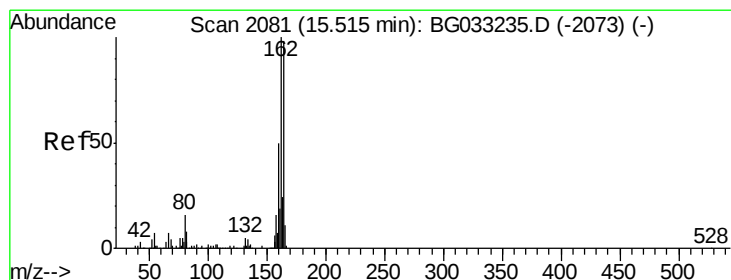
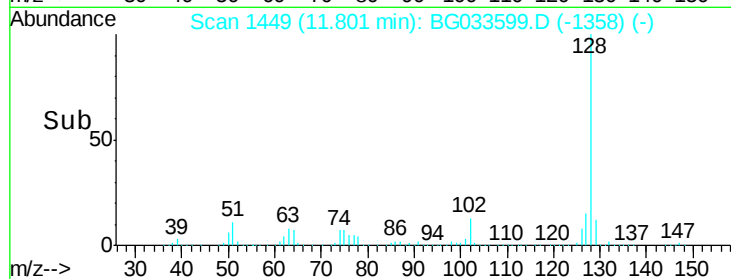
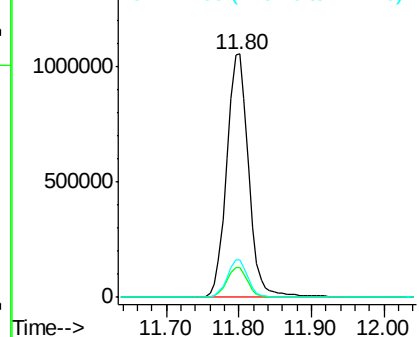
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	12.8
127	15.2	11.6	17.4

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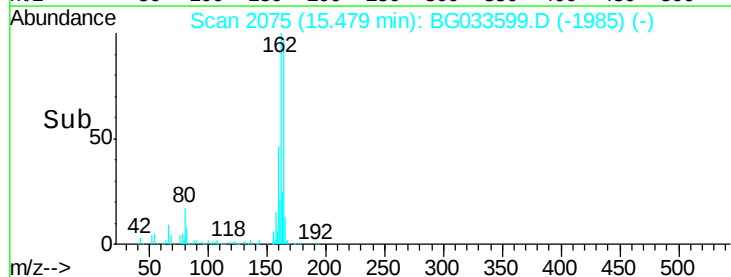
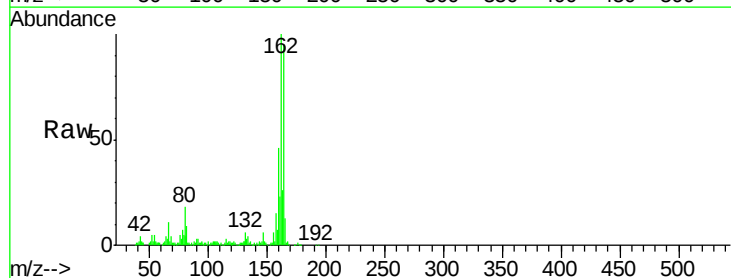
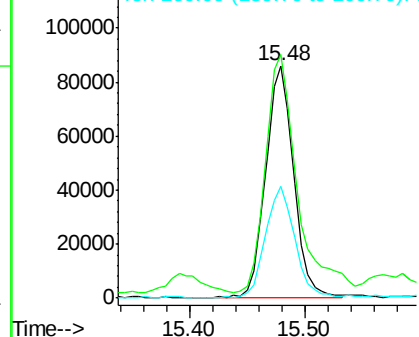
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

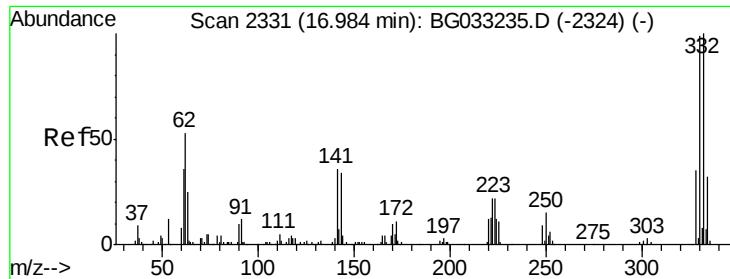


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	78.8	118.2
160	48.1	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: 100.295 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:330 Resp: 219071

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

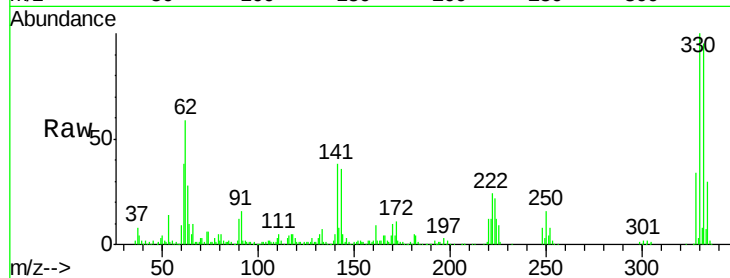
141 38.4 25.2 37.8#

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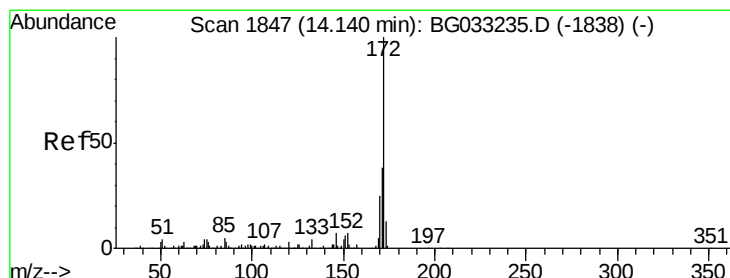
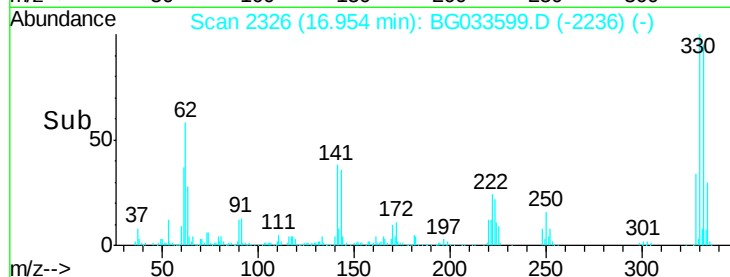
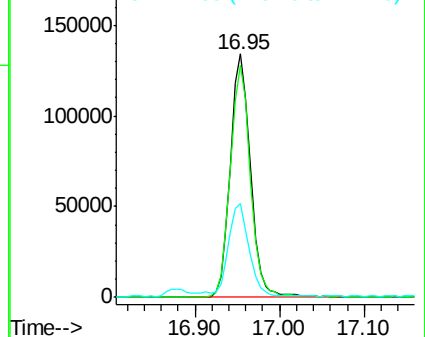
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 76.983 ng

RT: 14.10 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

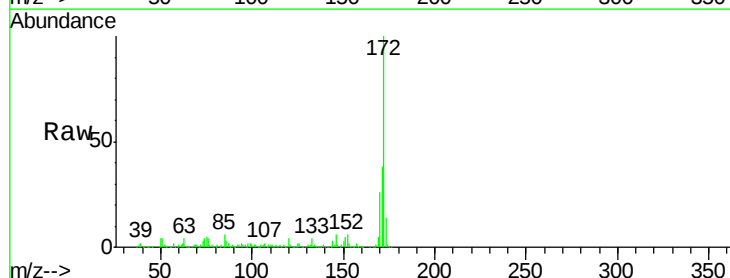
Tgt Ion:172 Resp: 778791

Ion Ratio Lower Upper

172 100

171 37.6 30.0 45.0

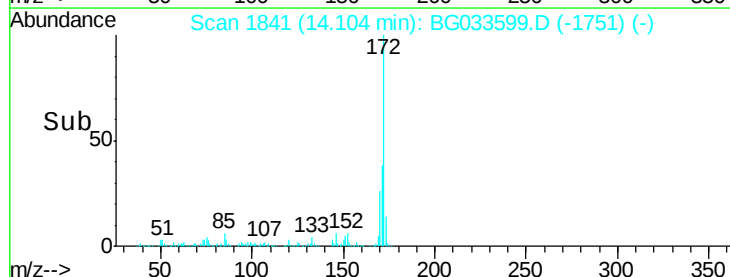
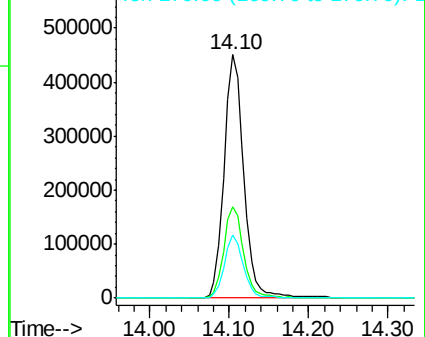
170 25.7 19.5 29.3

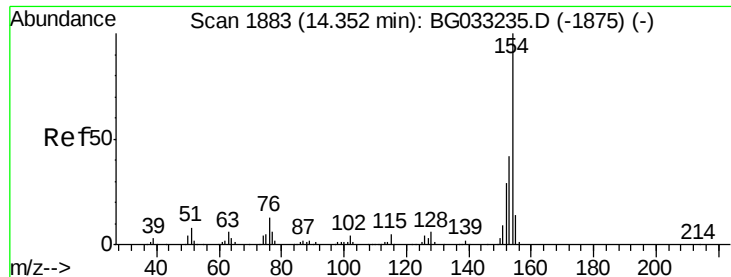


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 5.431 ng

RT: 14.32 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

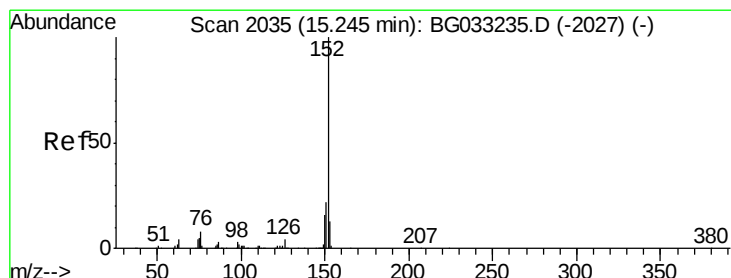
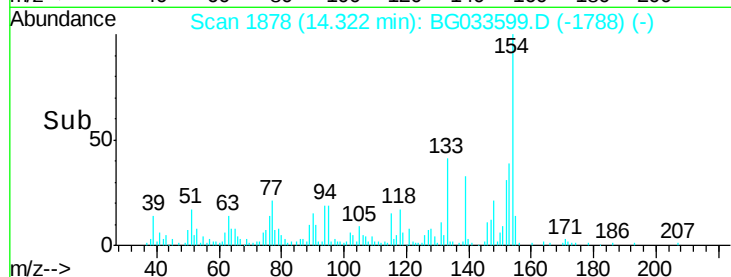
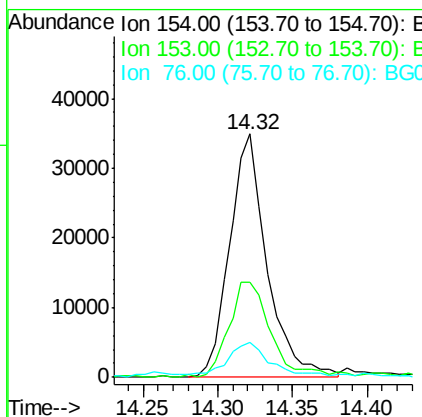
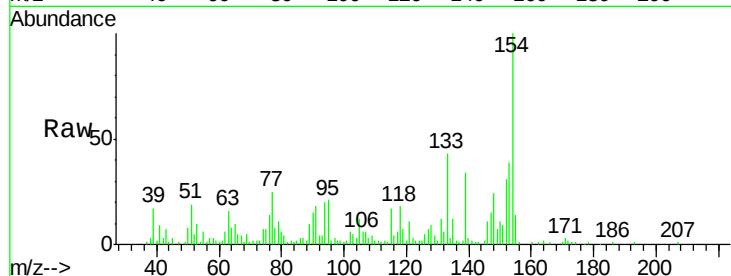
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	154	Resp:	60939
Ion Ratio	Lower	Upper	
154	100		
153	39.0	19.8	59.8
76	14.4	0.0	31.9

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#48

Acenaphthylene

Concen: 2.688 ng

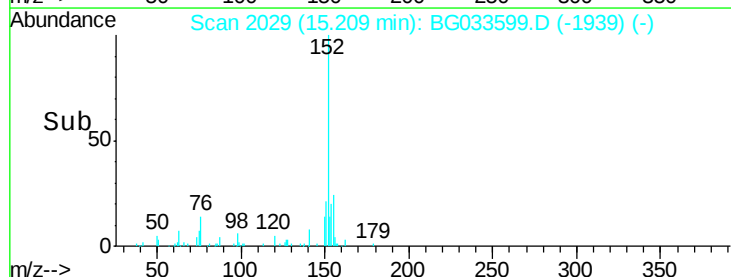
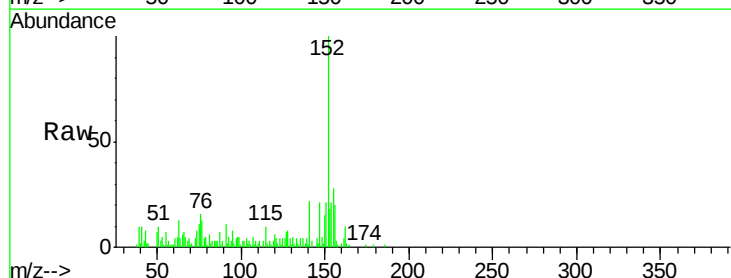
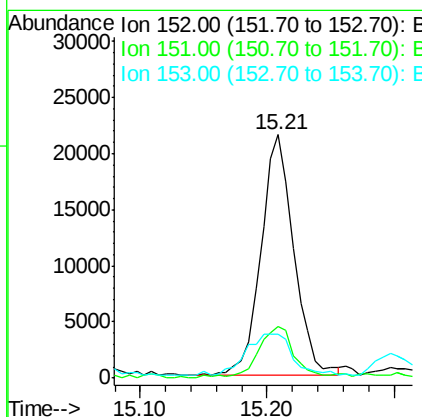
RT: 15.21 min Scan# 2029

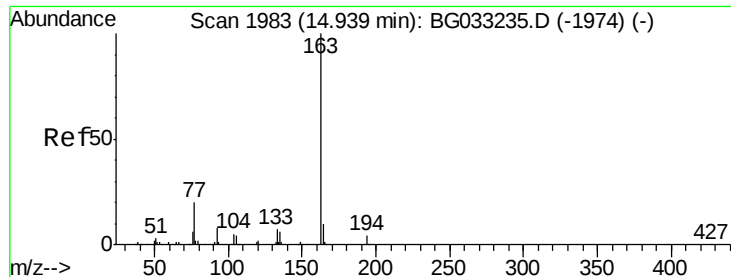
Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Tgt Ion:	152	Resp:	38813
Ion Ratio	Lower	Upper	
152	100		
151	21.2	17.2	25.8
153	17.9	10.2	15.4#





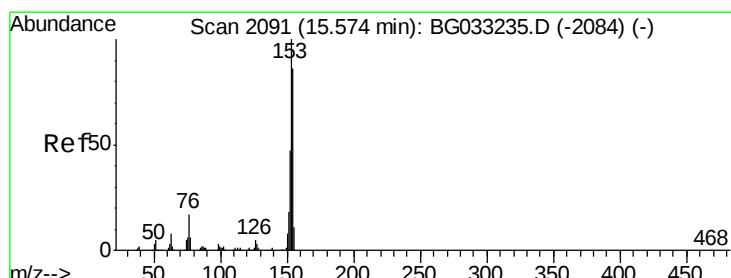
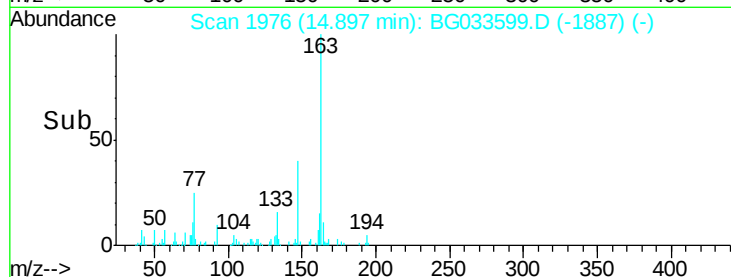
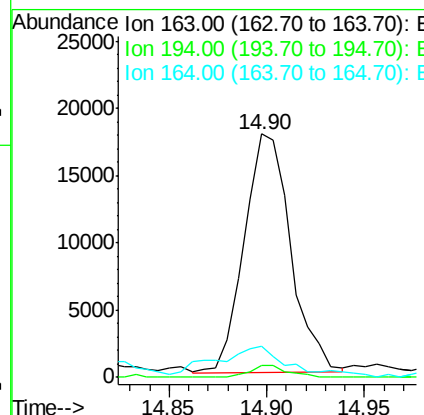
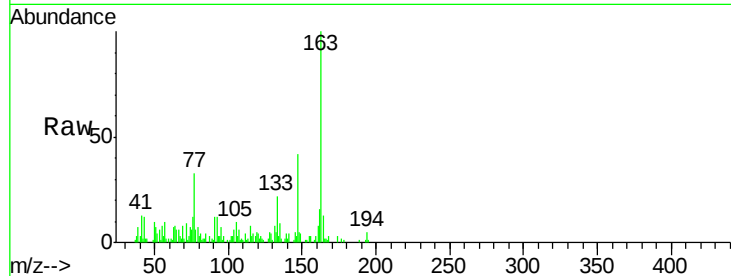
#49
Dimethylphthalate
Concen: 2.311 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	12.9	8.2	12.4

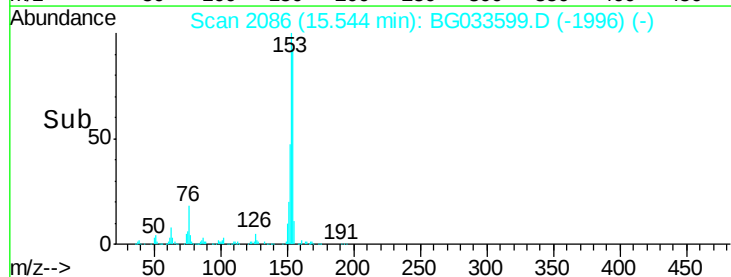
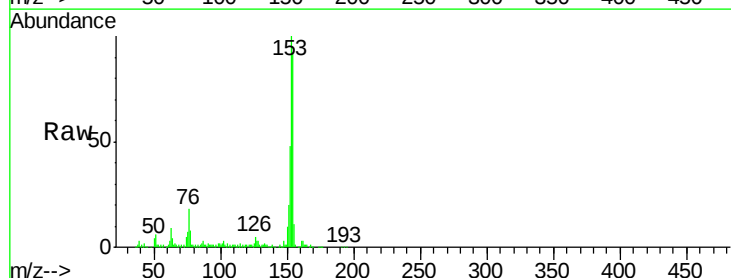
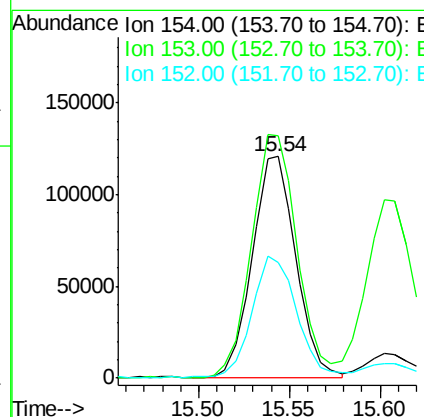
Manual Integrations
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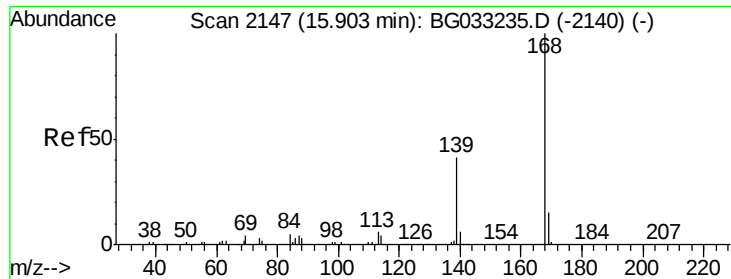
Sohil
4/6/2018 5:27:56 PM



#51
Acenaphthene
Concen: 21.588 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.3	90.4	135.6
152	52.2	41.6	62.4





#54

Dibenzofuran

Concen: 14.419 ng

RT: 15.87 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

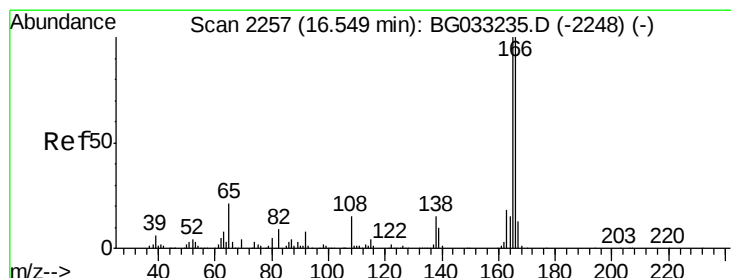
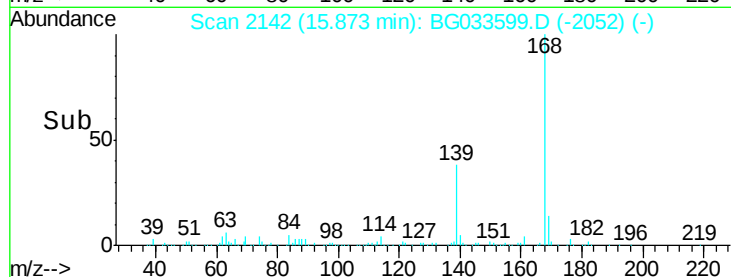
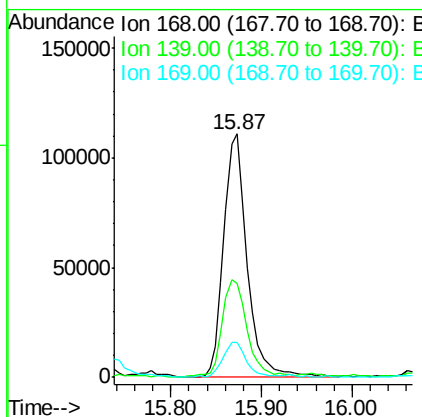
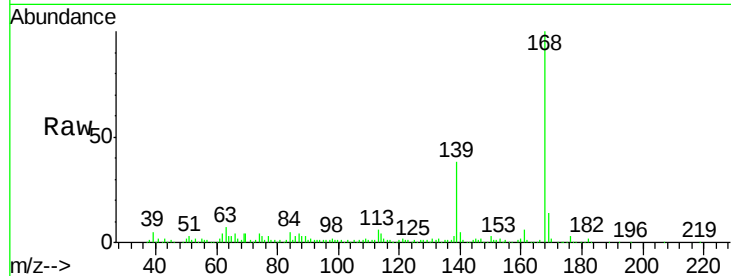
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	168	Resp:	198273
Ion Ratio	Lower	Upper	
168	100		
139	38.5	28.6	43.0
169	14.5	11.2	16.8

Manual Integrations
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#57

Fluorene

Concen: 11.541 ng

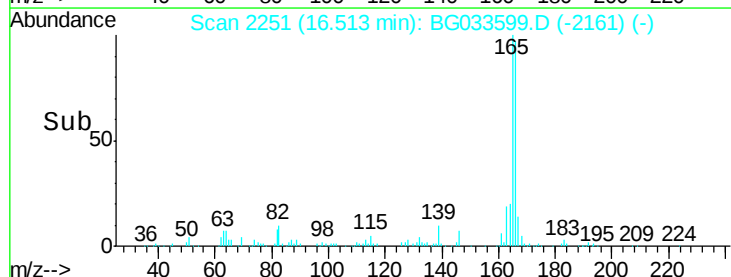
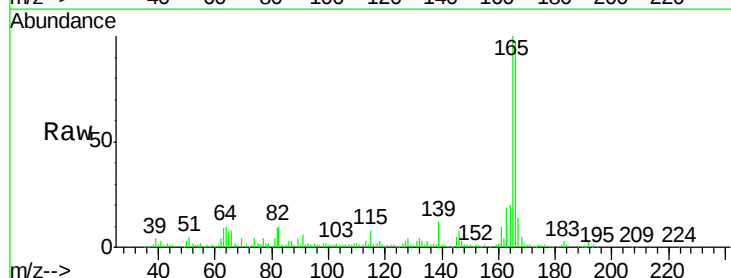
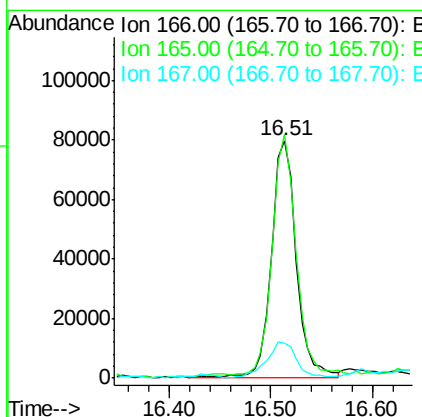
RT: 16.51 min Scan# 2251

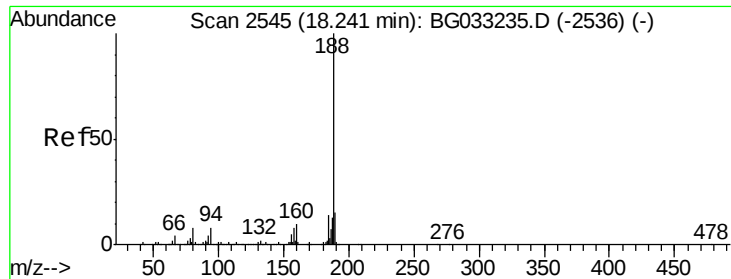
Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Tgt Ion:	166	Resp:	135199
Ion Ratio	Lower	Upper	
166	100		
165	102.6	80.6	121.0
167	14.5	10.4	15.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

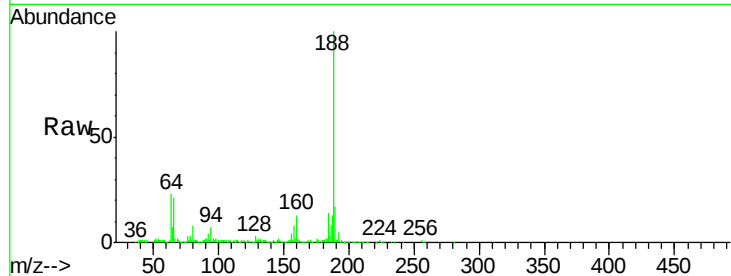
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	188	Resp:	331217
Ion Ratio	Lower	Upper	
188	100		
94	7.0	6.9	10.3
80	8.2	7.7	11.5

Manual Integrations
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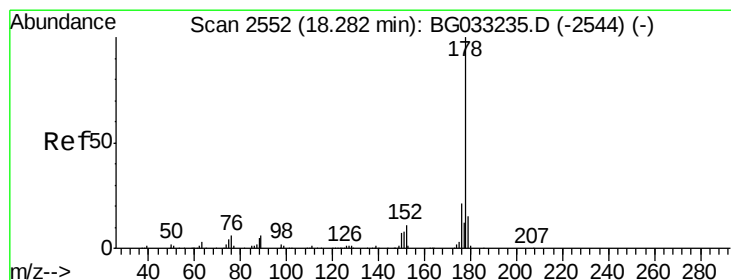
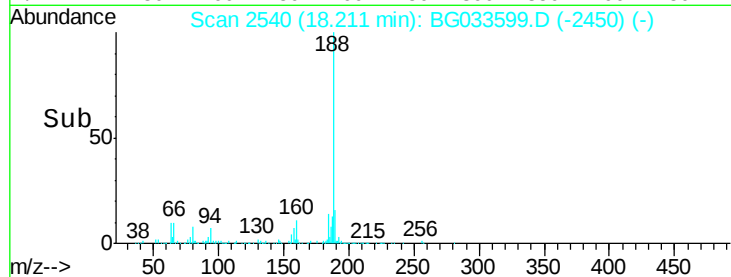
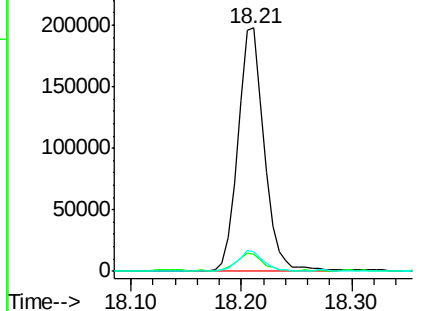
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 12.185 ng

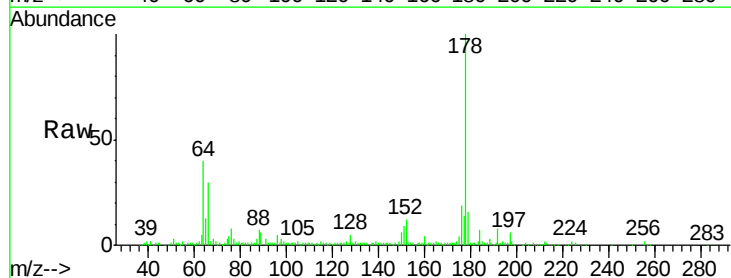
RT: 18.25 min Scan# 2547

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

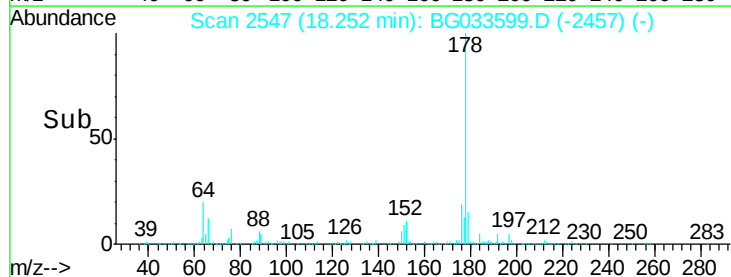
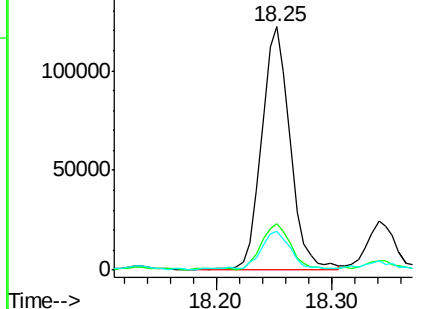
Tgt Ion:	178	Resp:	210186
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.7	23.5
179	15.7	12.5	18.7

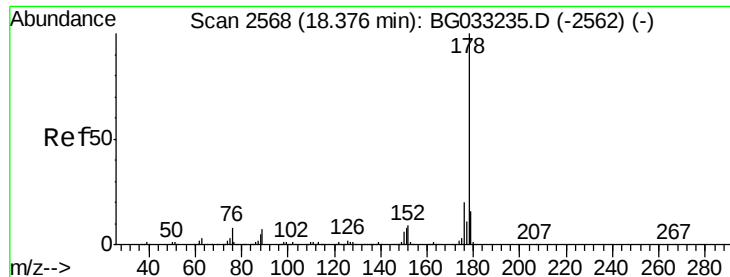


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





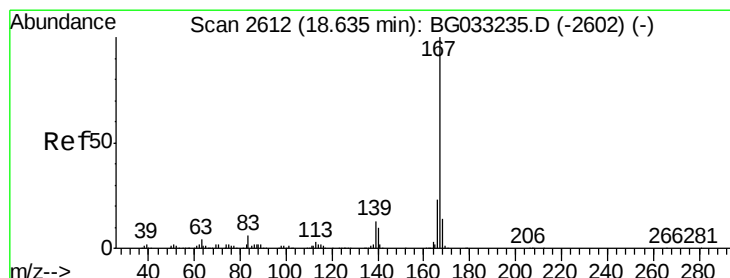
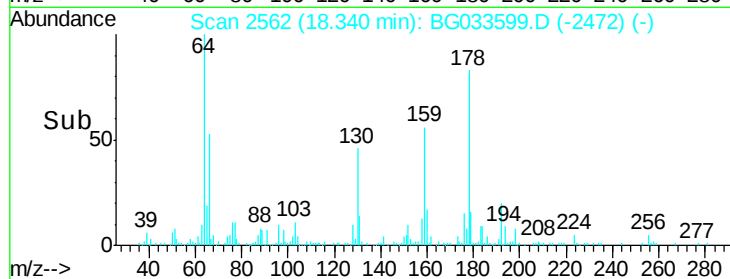
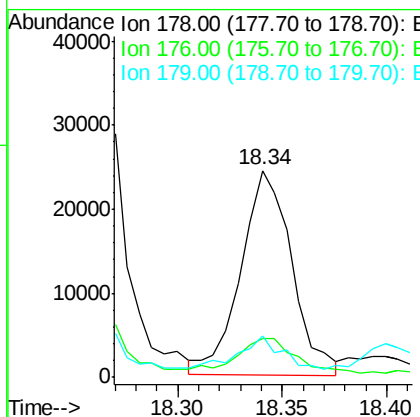
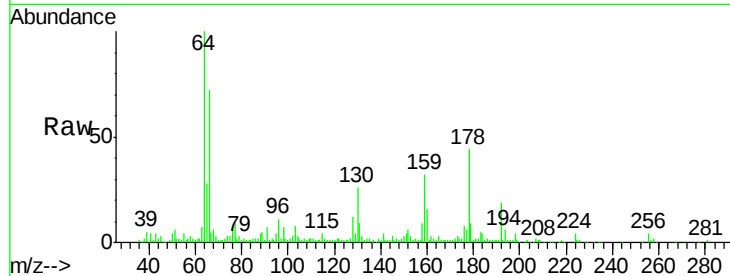
#71
 Anthracene
 Concen: 2.388 ng/mL
 RT: 18.34 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.0	24.0
179	20.1	12.5	18.7

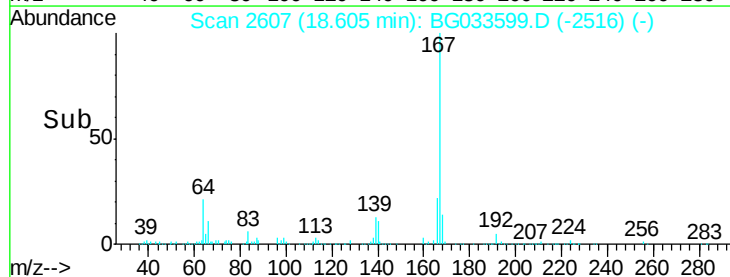
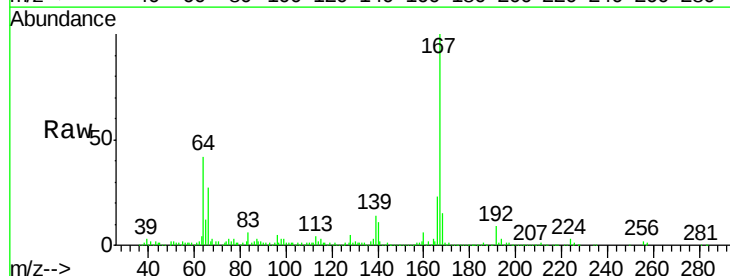
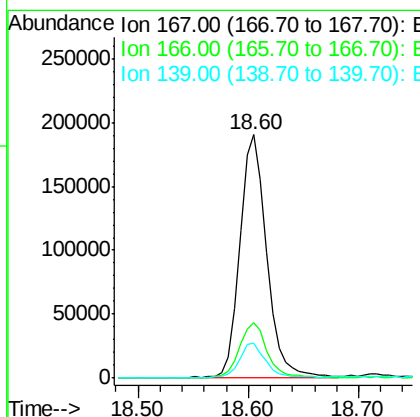
Manual Integrations
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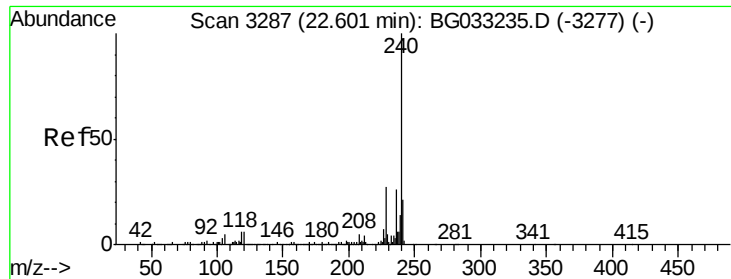
Sohil
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#72
 Carbazole
 Concen: 20.986 ng/mL
 RT: 18.60 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	14.1	9.4	14.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

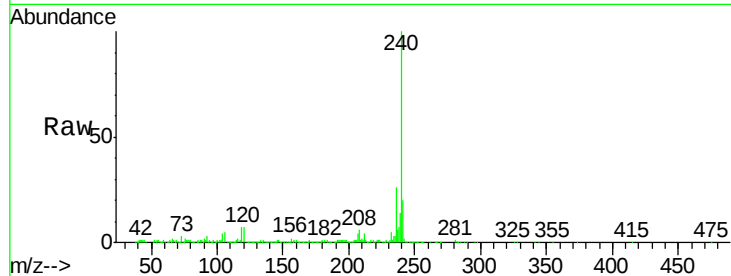
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	240	Resp:	328328
Ion Ratio	Lower	Upper	
240	100		
120	7.1	6.8	10.2
236	26.1	20.9	31.3

Manual Integrations
APPROVED

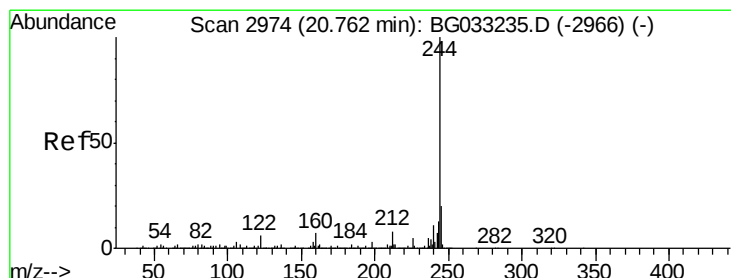
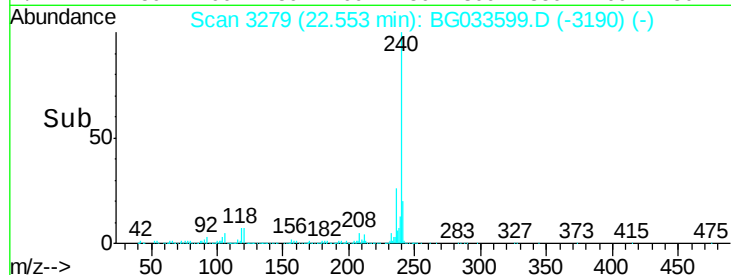
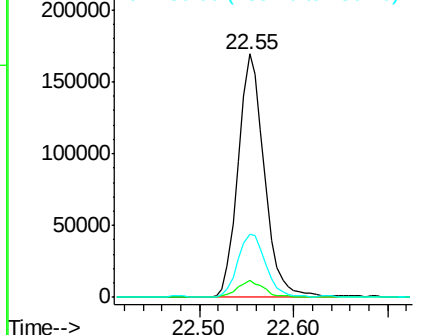
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 60.978 ng

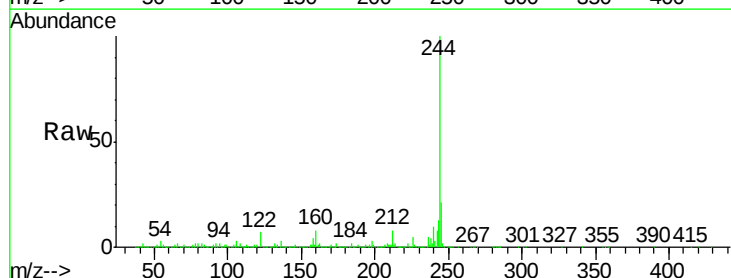
RT: 20.73 min Scan# 2969

Delta R.T. 0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

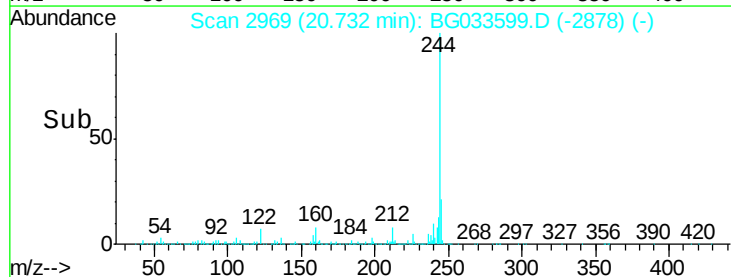
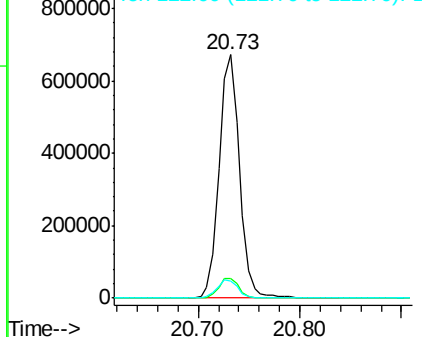
Tgt Ion:	244	Resp:	936165
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.8	8.8
122	7.0	7.0	10.4

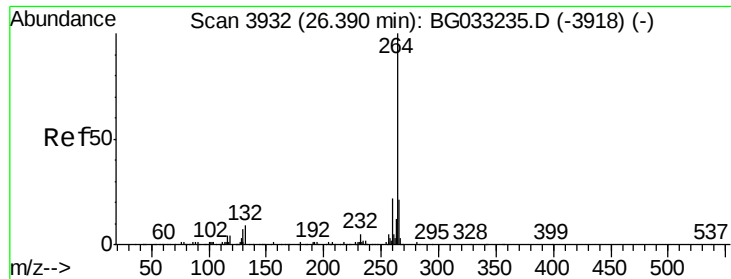


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.31 min Scan# 3919
Delta R.T. -0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:	264	Resp:	354122
Ion Ratio		Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.5	17.7	26.5

Manual Integrations
APPROVED

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4/6/2018 5:27:56 PM

