

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG062417\
 Data File : BG027654.D
 Acq On : 24 Jun 2017 11:32
 Operator : SJ/JU
 Sample : I3870-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW26S-GW

Manual Integrations
 APPROVED

mohammad
 6/29/2017 4:42:38 PM

Quant Time: Jun 29 14:43:56 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	18417	20.00	ng	0.00
21) Naphthalene-d8	11.33	136	103807	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	66076	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	155735	20.00	ng	0.00
75) Chrysene-d12	22.21	240	179639	20.00	ng	0.00
86) Perylene-d12	25.85	264	166780	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.09	112	57240	44.23	ng	0.00
7) Phenol-d6	7.65	99	67888	35.44	ng	0.00
23) Nitrobenzene-d5	9.67	82	156290	71.24	ng	0.00
41) 2,4,6-Tribromophenol	16.58	330	88659	90.00	ng	0.00
44) 2-Fluorobiphenyl	13.71	172	380246	78.61	ng	0.00
78) Terphenyl-d14	20.42	244	549285	72.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	4.09	88	3632	7.229	ng	# 85
3) Pyridine	4.47	79	17904	11.008	ng	84
6) Aniline	7.83	93	43104	18.437	ng	93
10) Phenol	7.67	94	40023	20.509	ng	93
17) 2-Methylphenol	8.92	107	63521	46.256	ng	93
20) 3+4-Methylphenols	9.25	107	215441	114.585	ng	93
22) Acetophenone	9.32	105	30924m	10.863	ng	
27) 2,4-Dimethylphenol	10.48	122	360967	214.895	ng	94
31) Naphthalene	11.41	128	6429089	1145.853	ng	# 75
37) 2-Methylnaphthalene	12.94	142	256372	62.874	ng	99
45) 1,1'-Biphenyl	13.92	154	183744	33.350	ng	97
49) Dimethylphthalate	14.53	163	20288	3.507	ng	98
51) Acenaphthene	15.16	154	426291	85.207	ng	98
54) Dibenzofuran	15.49	168	466844	71.641	ng	99
57) Fluorene	16.13	166	313192	50.748	ng	97
70) Phenanthrene	17.88	178	600624	67.794	ng	95
71) Anthracene	17.97	178	69630	7.806	ng	98
72) Carbazole	18.25	167	347227	39.956	ng	96
74) Fluoranthene	19.89	202	75265	7.292	ng	93
77) Pyrene	20.24	202	50018	4.580	ng	95

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

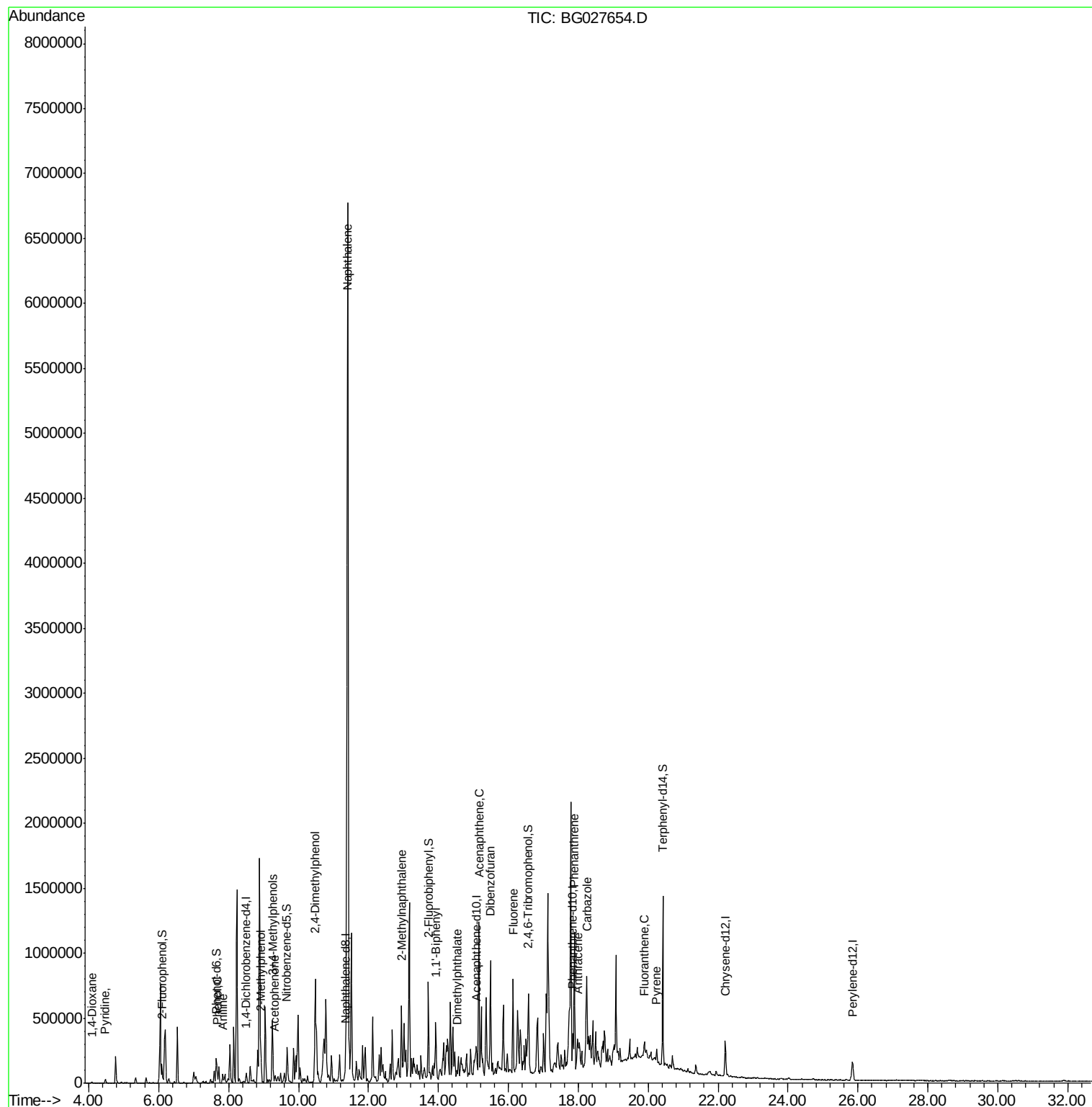
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG062417\
Data File : BG027654.D
Acq On : 24 Jun 2017 11:32
Operator : SJ/JU
Sample : I3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

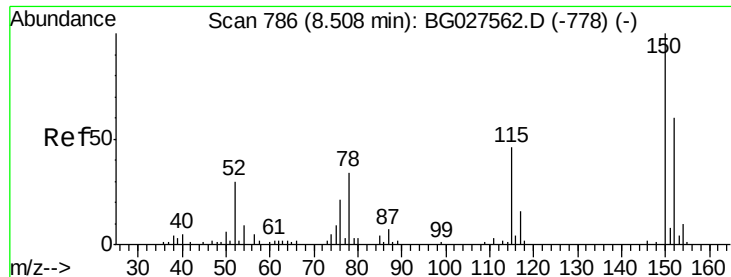
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Manual Integrations
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#1

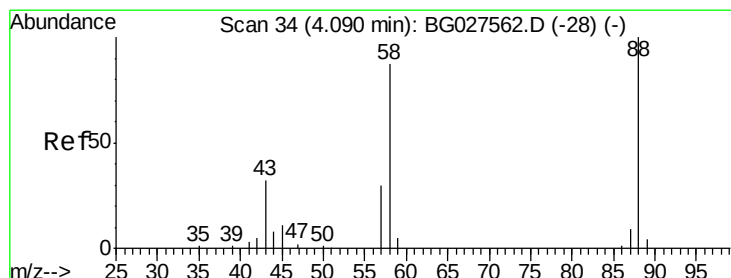
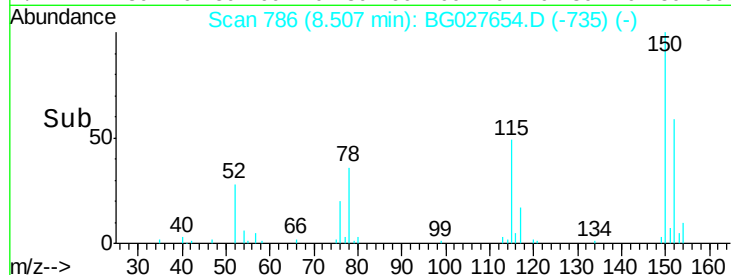
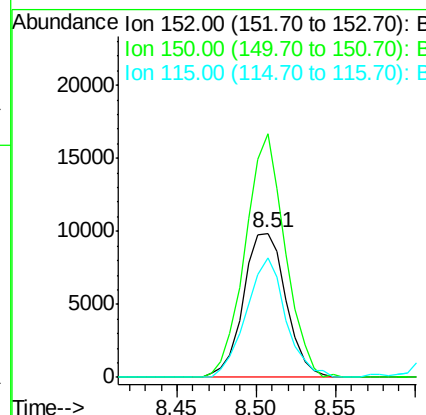
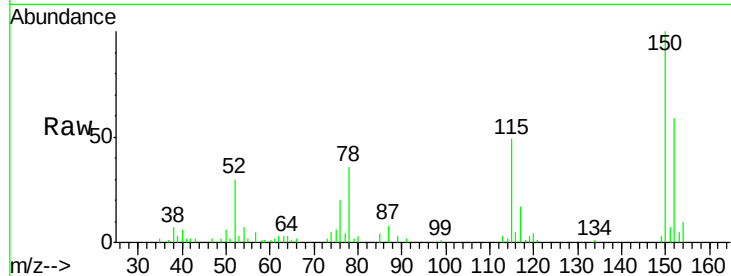
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.51 min Scan# 786
Delta R.T. -0.00 min
Lab File: BG027654.D
Acq: 24 Jun 2017 11:32

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	168.8	114.0	171.0
115	82.5	48.1	72.1

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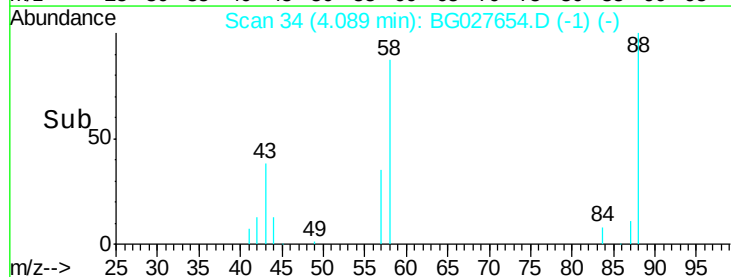
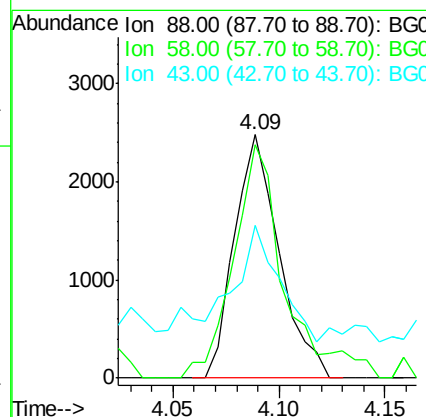
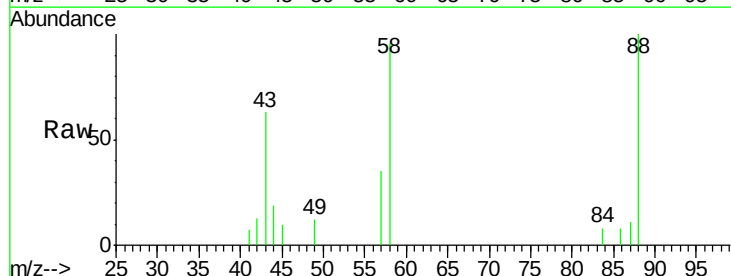
mohammad
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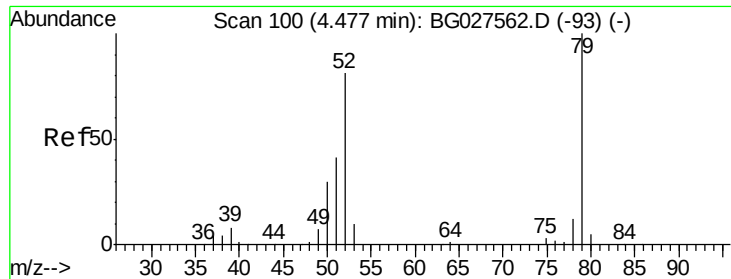


#2

1,4-Dioxane
Concen: 7.229 ng
RT: 4.09 min Scan# 34
Delta R.T. -0.00 min
Lab File: BG027654.D
Acq: 24 Jun 2017 11:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	109.6	79.4	119.2
43	58.1	33.8	50.6





#3

Pyridine

Concen: 11.008 ng

RT: 4.47 min Scan# 99

Delta R.T. -0.01 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

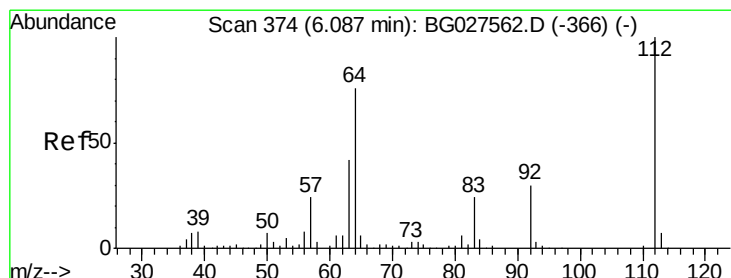
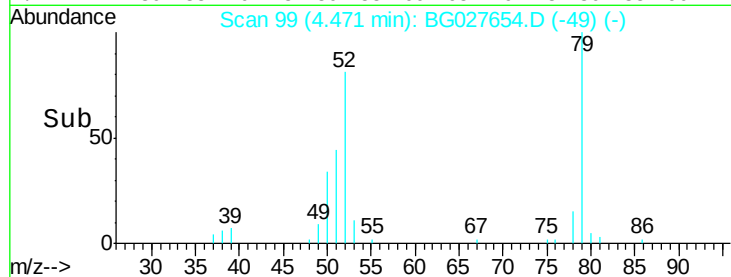
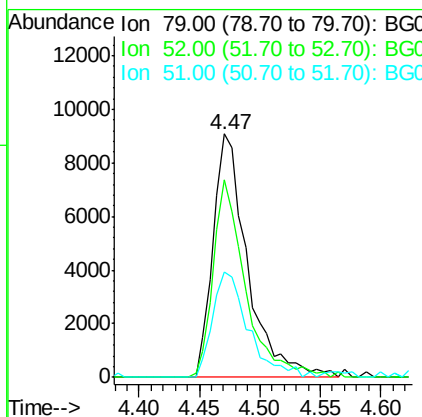
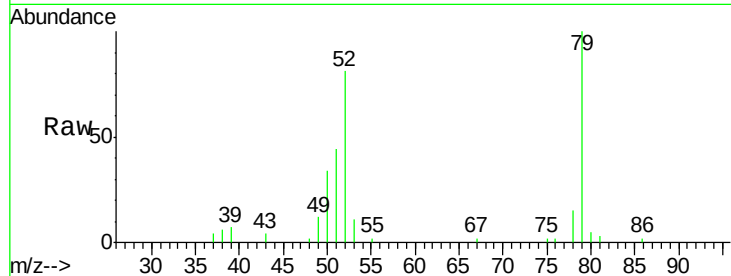
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	79	Resp:	17904
Ion	Ratio	Lower	Upper
79	100		
52	81.0	77.8	116.6
51	43.5	43.2	64.8

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#5

2-Fluorophenol

Concen: 44.234 ng

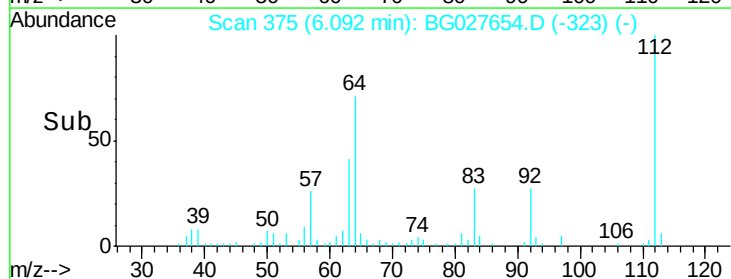
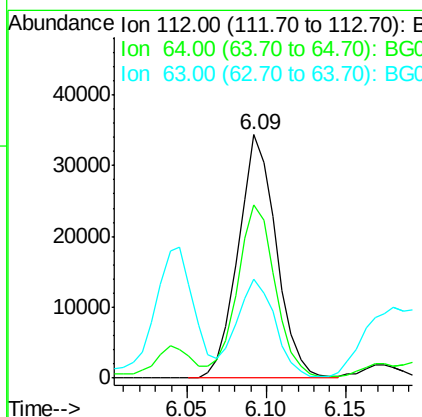
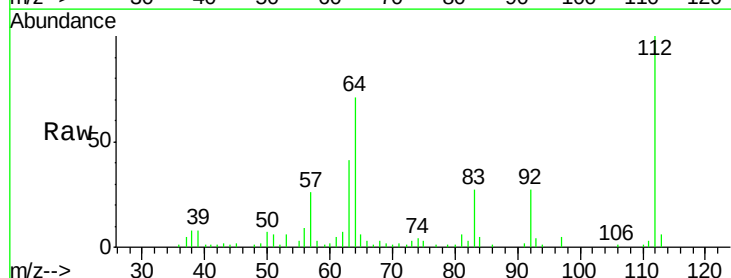
RT: 6.09 min Scan# 375

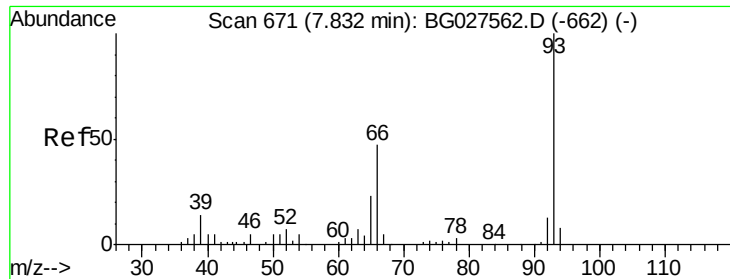
Delta R.T. 0.01 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	112	Resp:	57240
Ion	Ratio	Lower	Upper
112	100		
64	71.3	61.8	92.6
63	40.7	37.2	55.8





#6

Aniline

Concen: 18.437 ng

RT: 7.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

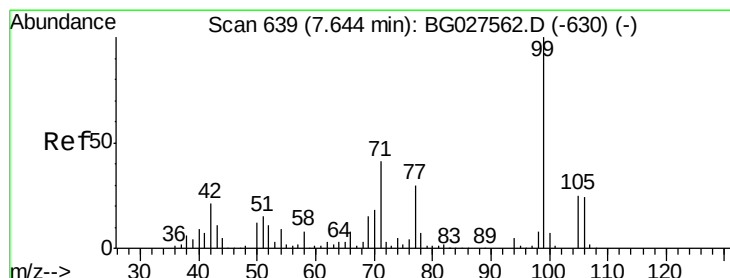
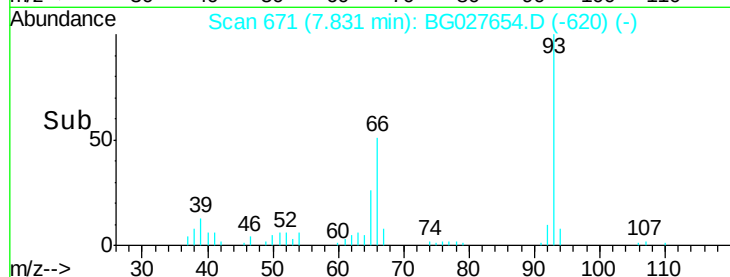
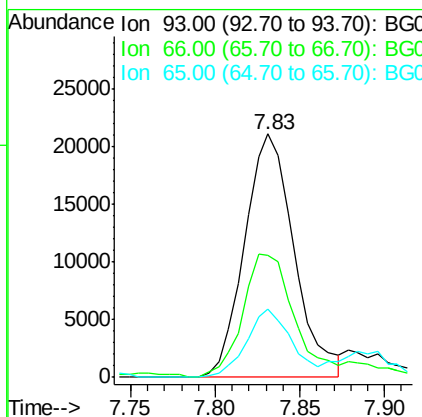
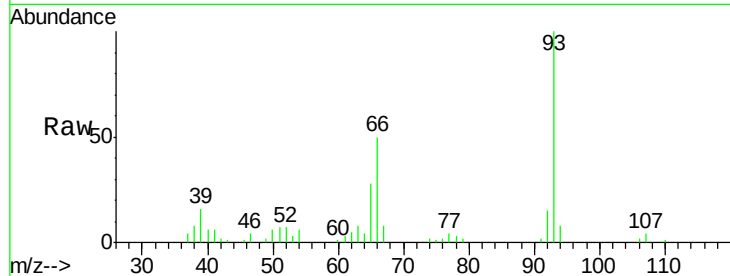
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	93	Resp:	43104
Ion	Ratio	Lower	Upper
93	100		
66	50.1	35.4	53.2
65	28.2	21.2	31.8

Manual Integrations
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#7

Phenol-d6

Concen: 35.438 ng

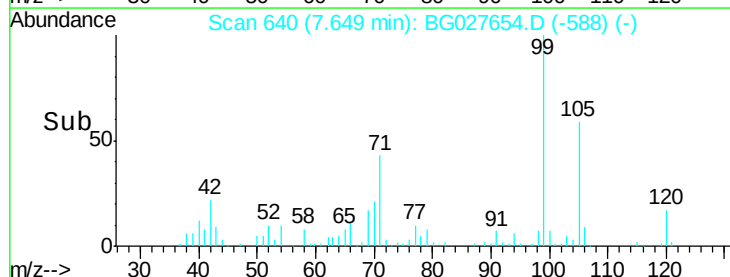
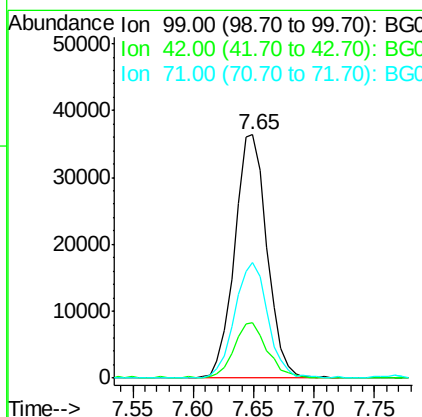
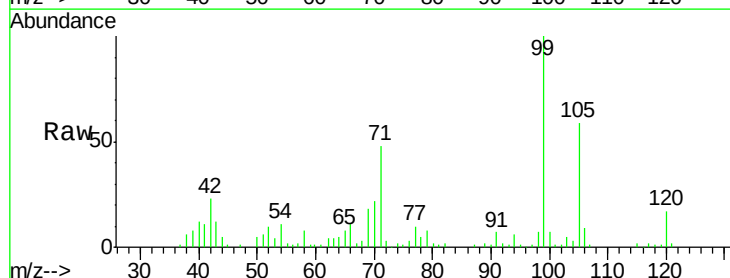
RT: 7.65 min Scan# 640

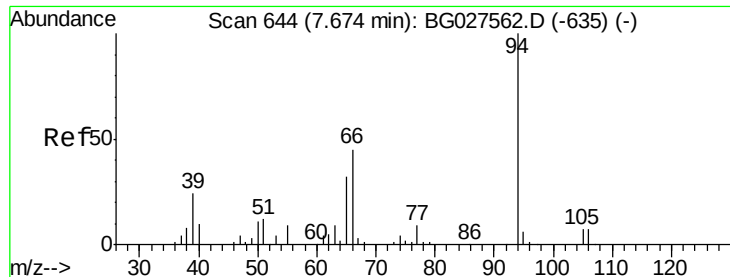
Delta R.T. 0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	99	Resp:	67888
Ion	Ratio	Lower	Upper
99	100		
42	22.7	20.5	30.7
71	47.7	37.6	56.4





#10

Phenol

Concen: 20.509 ng

RT: 7.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion: 94 Resp: 40023

Ion Ratio Lower Upper

94 100

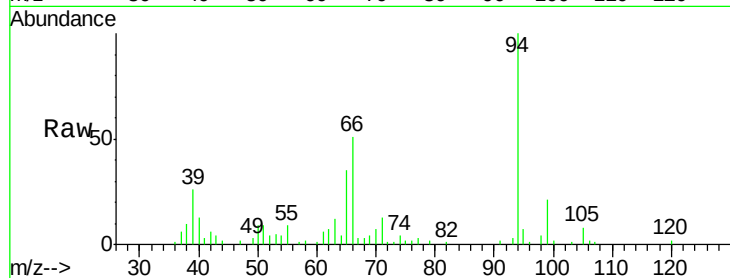
65 35.2 20.6 60.6

66 51.3 35.5 75.5

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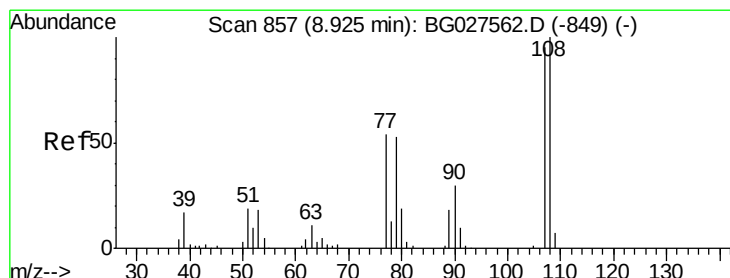
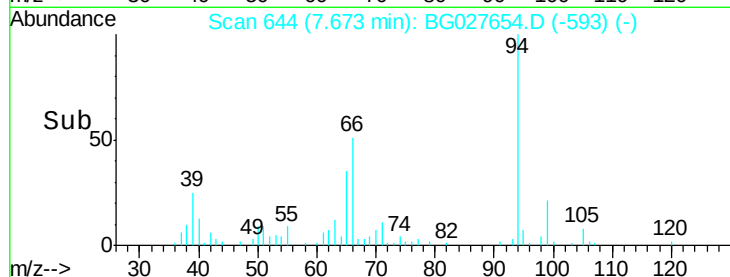
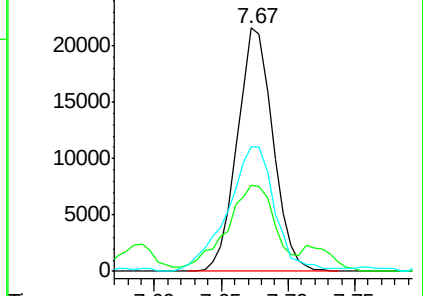


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#17

2-Methylphenol

Concen: 46.256 ng

RT: 8.92 min Scan# 857

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion: 107 Resp: 63521

Ion Ratio Lower Upper

107 100

108 102.2 85.6 128.4

77 55.7 51.4 77.2

79 56.3 49.2 73.8

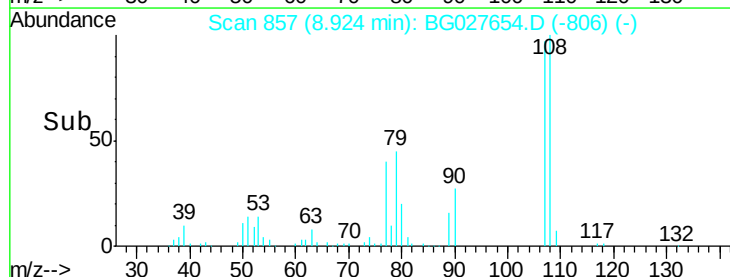
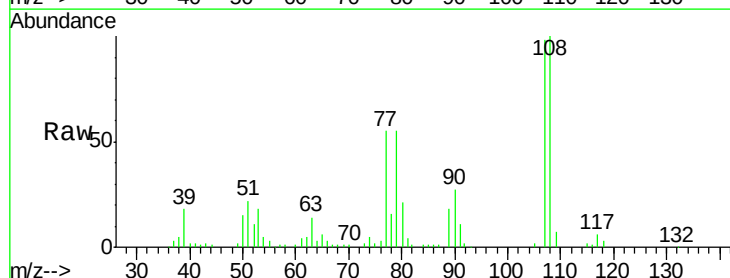
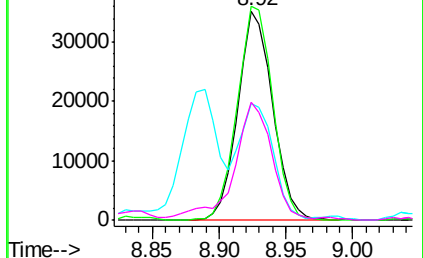
Abundance

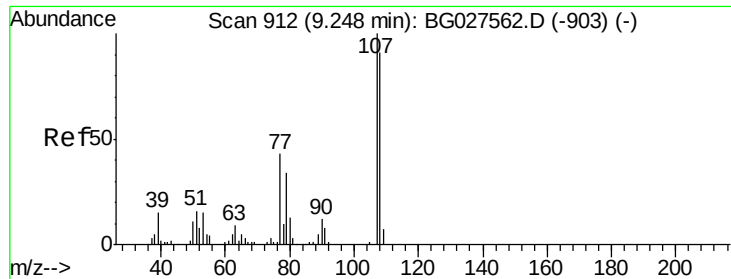
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#20

3+4-Methylphenols

Concen: 114.585 ng

RT: 9.25 min Scan# 913

Delta R.T. 0.00 min

Lab File: BG027654.D

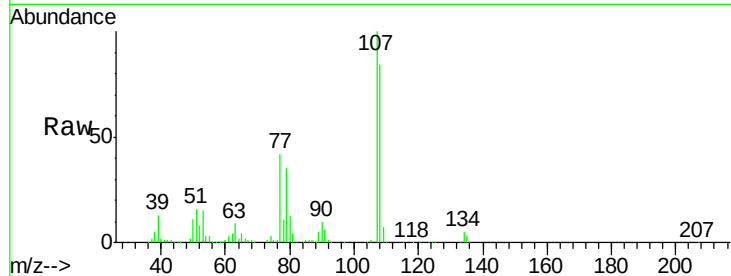
Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

ClientSampleId :

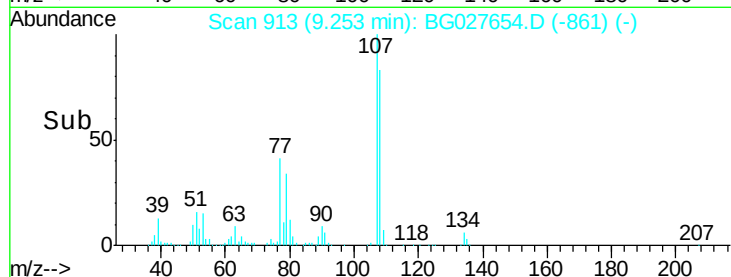
QNWP8-MW26S-GW



Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.6	70.8	110.8
77	41.7	25.8	65.8
79	35.2	20.1	60.1

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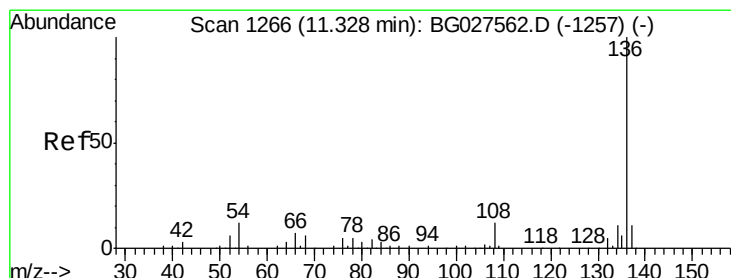
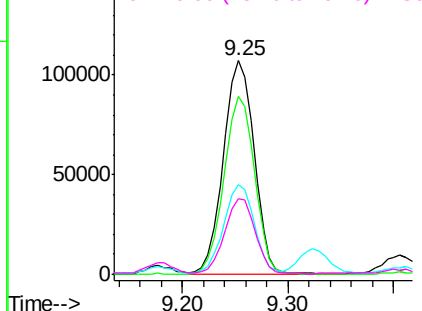
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

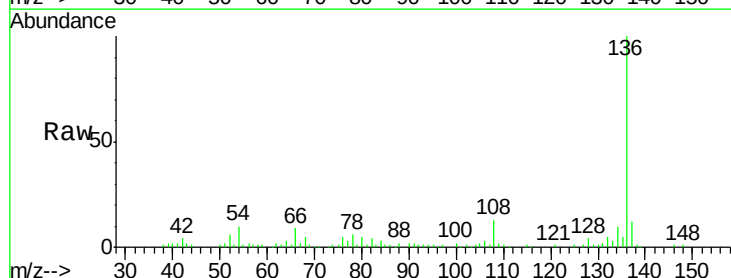
Concen: 20.000 ng

RT: 11.33 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32



Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	10.9	9.3	13.9
68	5.4	5.1	7.7

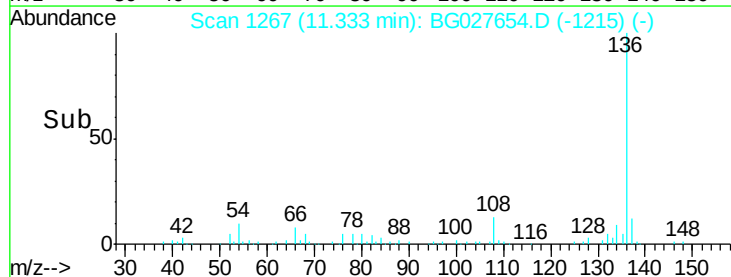
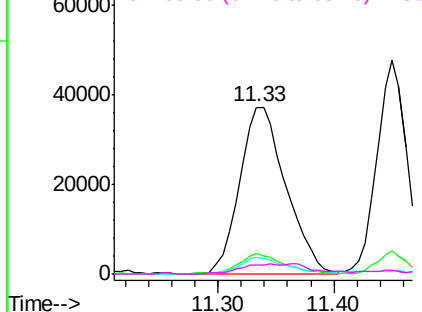
Abundance

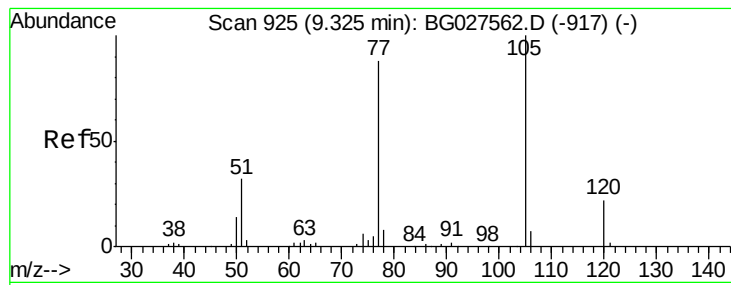
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#22

Acetophenone

Concen: 10.863 ng m

RT: 9.32 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG027654.D

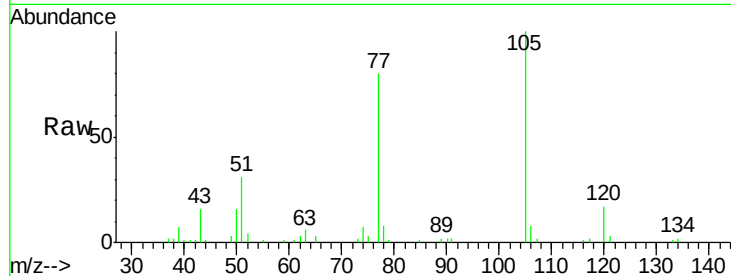
Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW



Tgt Ion: 105 Resp: 30924

Ion Ratio Lower Upper

105 100

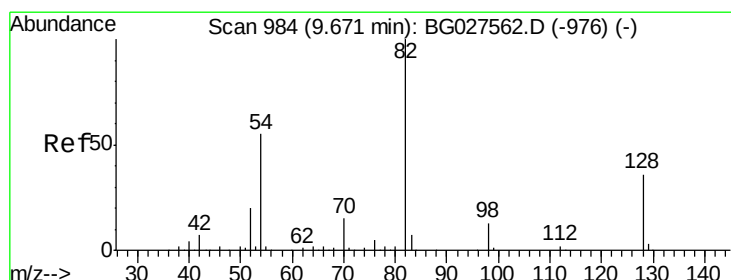
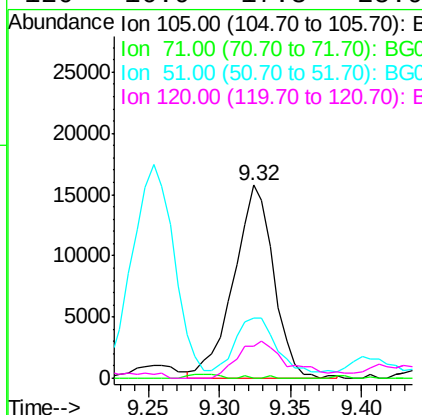
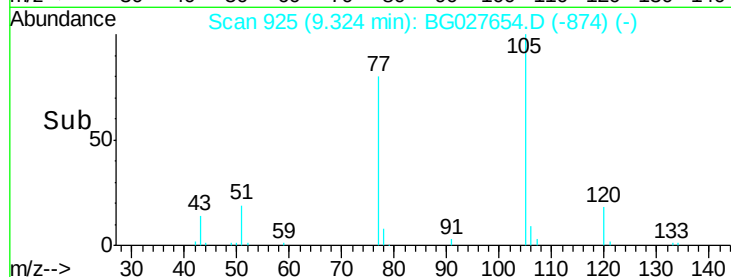
71 0.0 0.9 1.3#

51 31.4 34.0 51.0#

120 16.9 17.3 25.9#

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#23

Nitrobenzene-d5

Concen: 71.242 ng

RT: 9.67 min Scan# 984

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

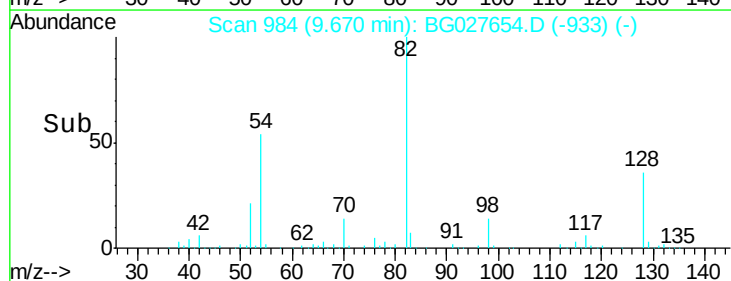
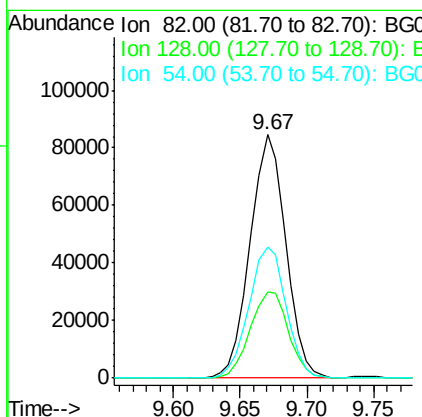
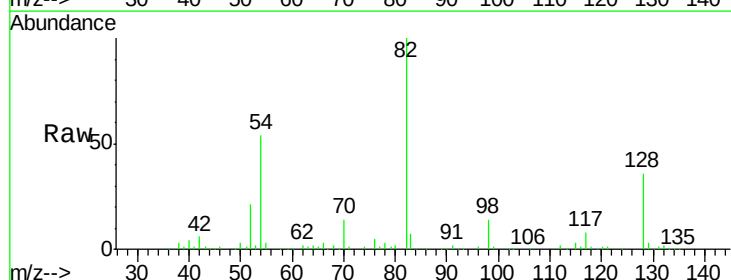
Tgt Ion: 82 Resp: 156290

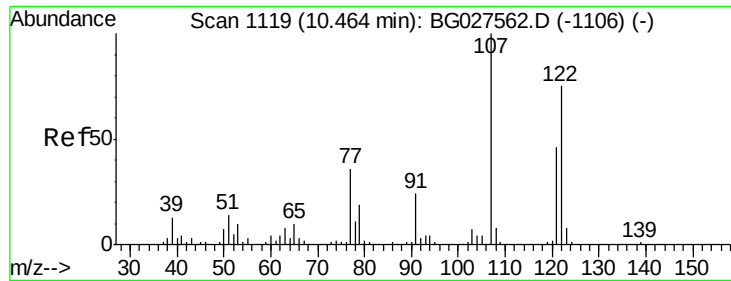
Ion Ratio Lower Upper

82 100

128 35.5 26.4 39.6

54 54.0 49.4 74.2





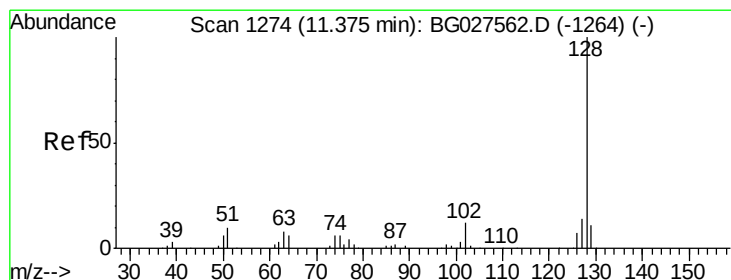
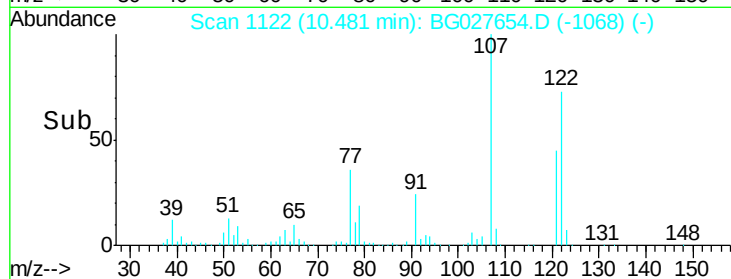
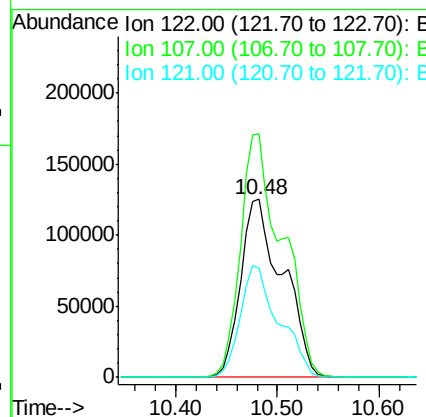
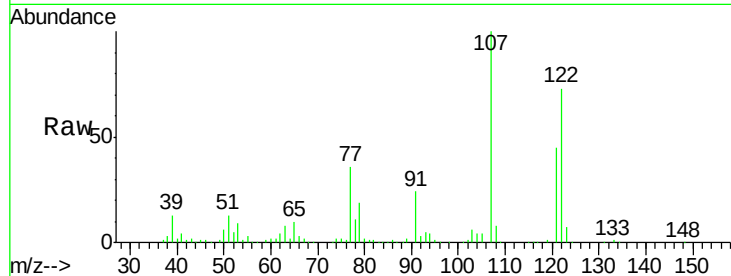
#27
2,4-Dimethylphenol
Concen: 214.895 ng
RT: 10.48 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BG027654.D
Acq: 24 Jun 2017 11:32

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Lower	Upper
122	100		
107	136.9	104.2	156.4
121	61.8	46.0	69.0

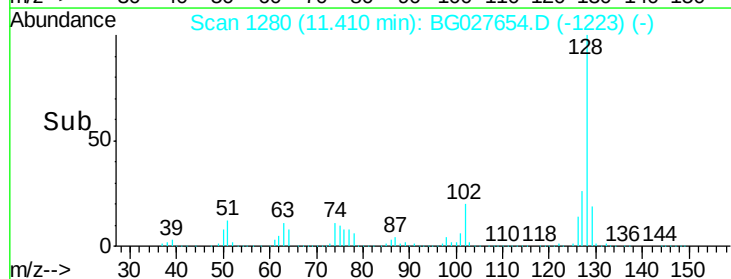
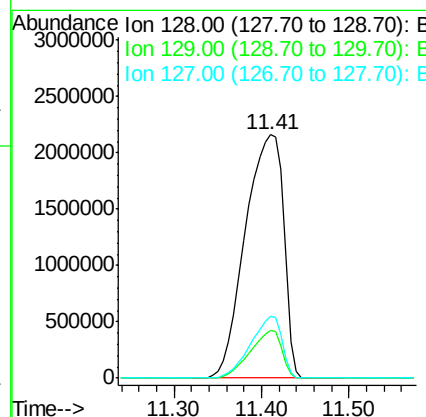
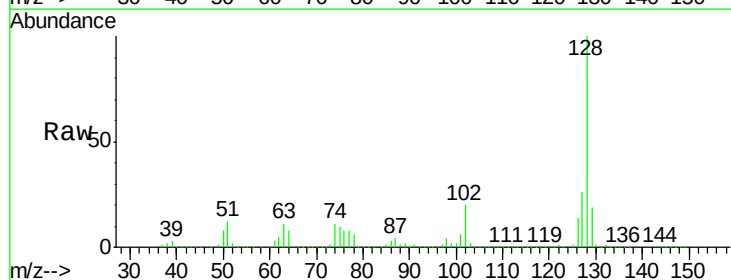
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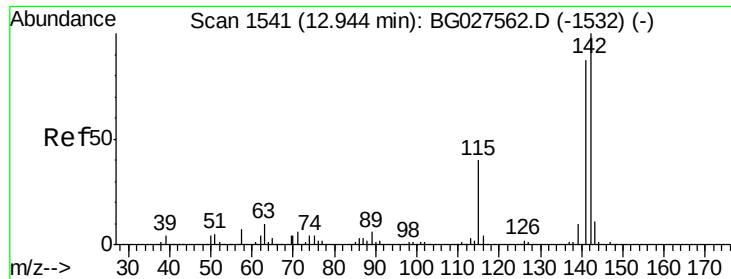
mohammad
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#31
Naphthalene
Concen: 1145.853 ng
RT: 11.41 min Scan# 1280
Delta R.T. 0.03 min
Lab File: BG027654.D
Acq: 24 Jun 2017 11:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	19.5	9.3	13.9#
127	25.6	11.4	17.0#





#37

2-Methylnaphthalene

Concen: 62.874 ng

RT: 12.94 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

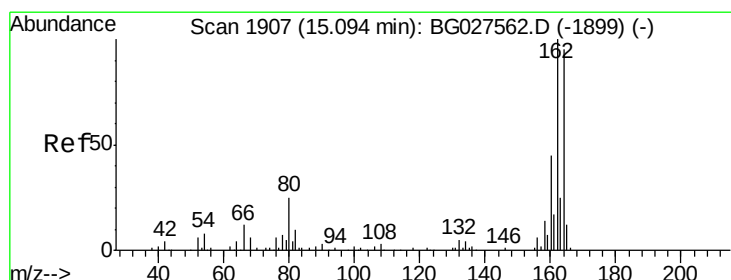
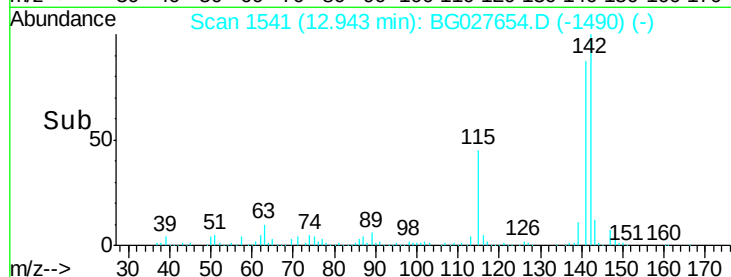
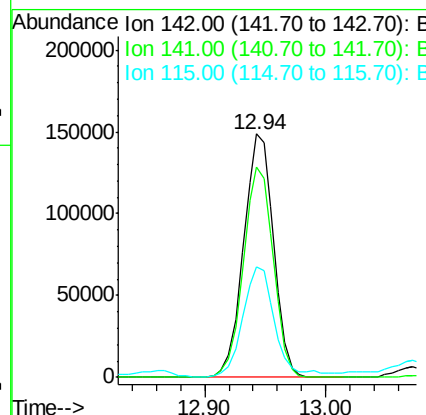
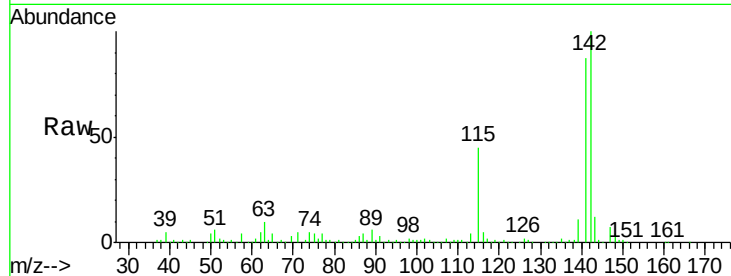
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	142	Resp:	256372
Ion Ratio	Lower	Upper	
142	100		
141	86.6	70.4	105.6
115	45.4	35.5	53.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

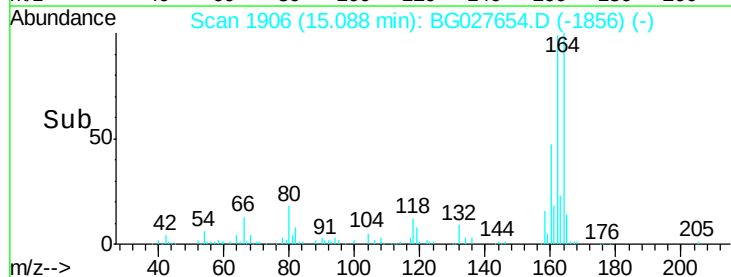
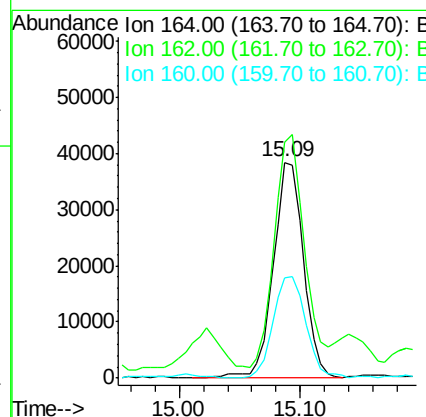
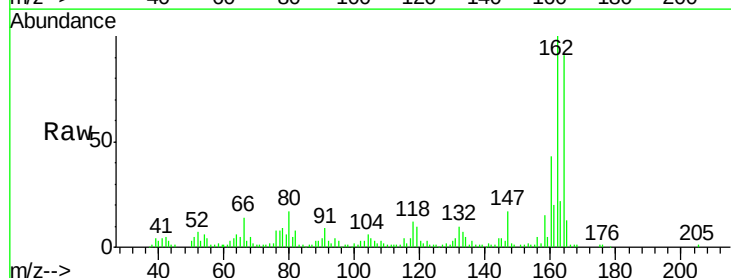
RT: 15.09 min Scan# 1906

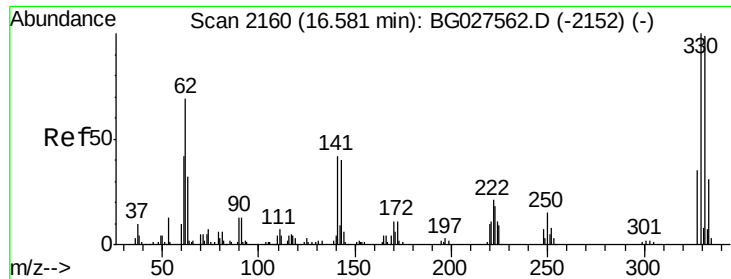
Delta R.T. -0.01 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	164	Resp:	66076
Ion Ratio	Lower	Upper	
164	100		
162	109.6	85.1	127.7
160	46.8	34.7	52.1





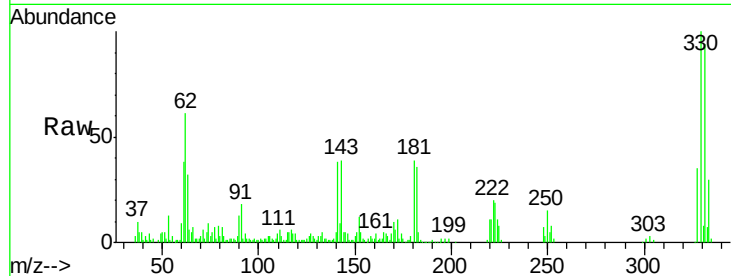
#41
 2,4,6-Tribromophenol
 Concen: 90.001 ng
 RT: 16.58 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BG027654.D
 Acq: 24 Jun 2017 11:32

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW26S-GW

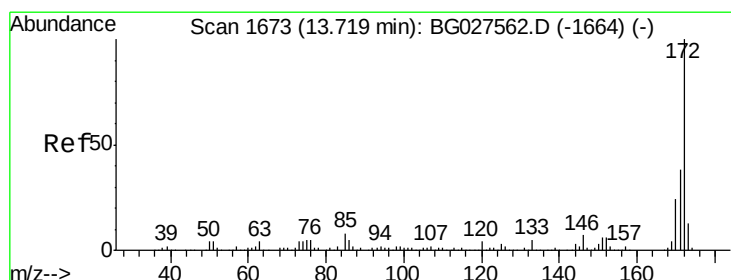
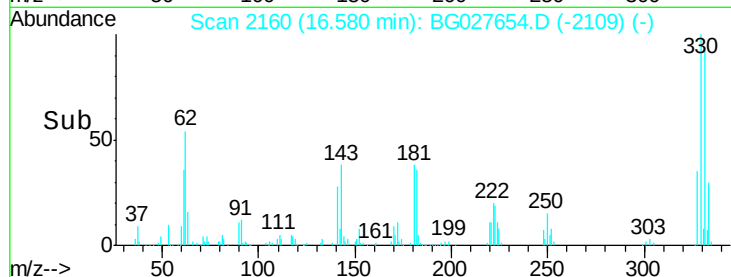
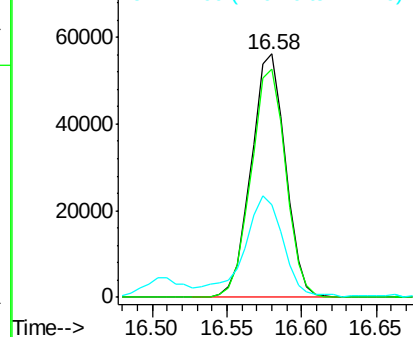
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	88659		
332	94.7	77.3	115.9	
141	47.4	32.1	48.1	

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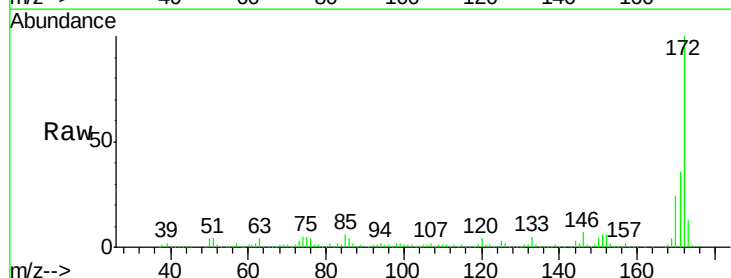


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

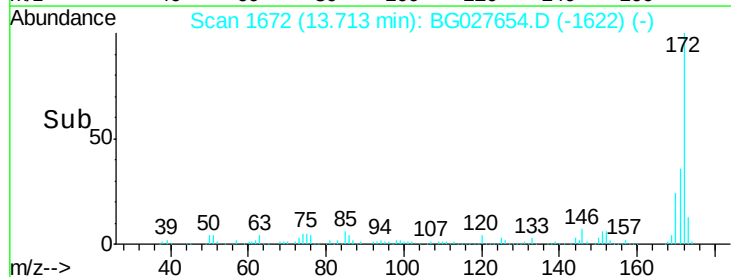
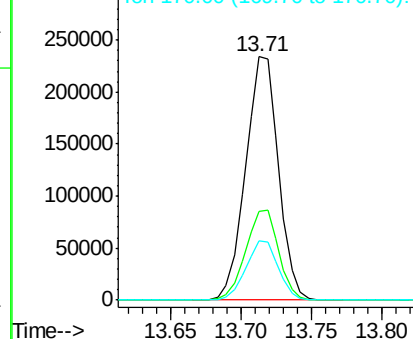


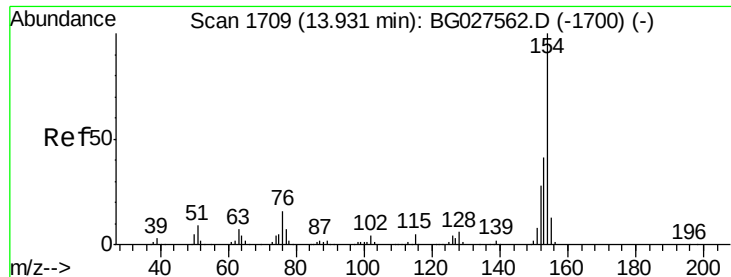
#44
 2-Fluorobiphenyl
 Concen: 78.609 ng
 RT: 13.71 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BG027654.D
 Acq: 24 Jun 2017 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	380246		
171	36.4	32.2	48.2	
170	24.1	21.8	32.6	



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: 33.350 ng

RT: 13.92 min Scan# 1708

Delta R.T. -0.01 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

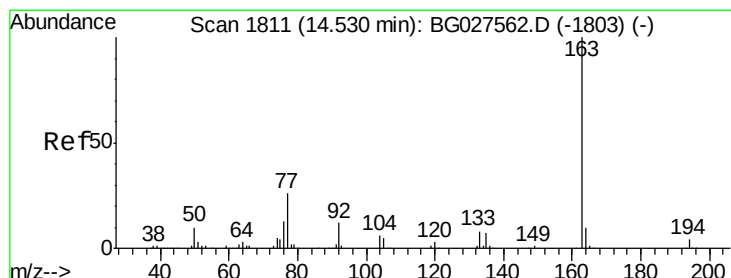
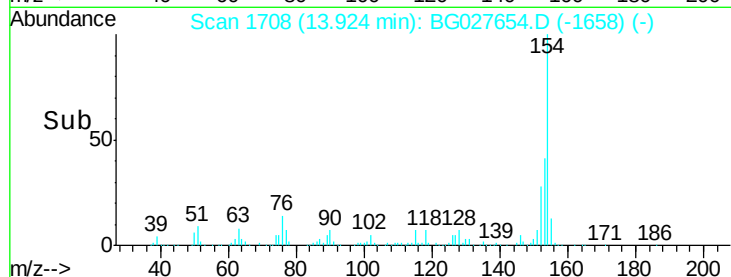
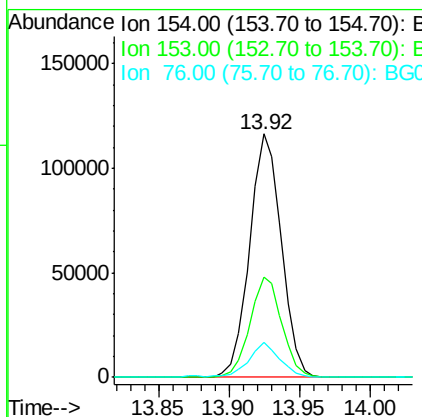
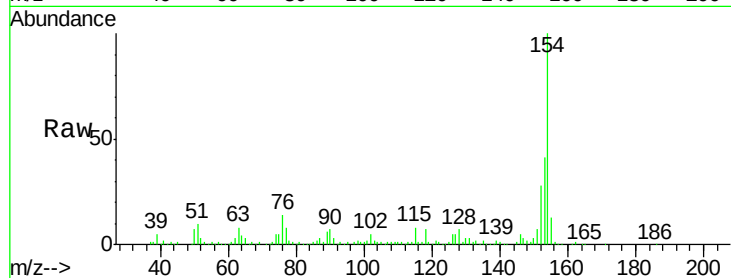
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	154	Resp:	183744
Ion Ratio	Lower	Upper	
154	100		
153	41.1	23.0	63.0
76	14.3	0.0	33.5

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#49

Dimethylphthalate

Concen: 3.507 ng

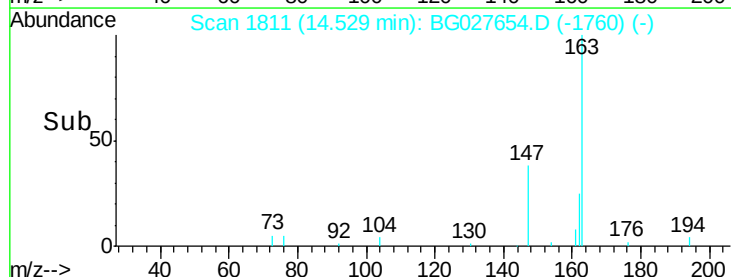
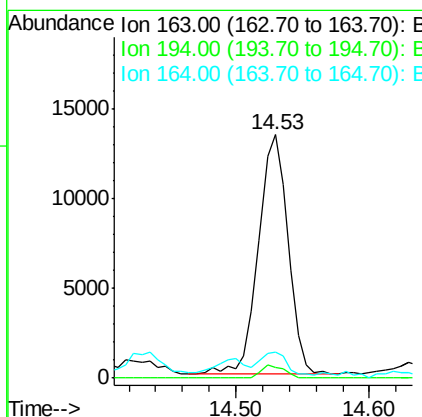
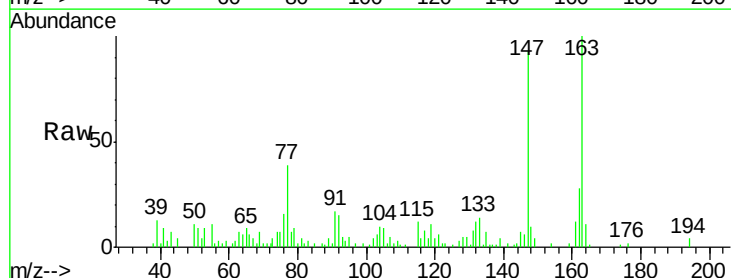
RT: 14.53 min Scan# 1811

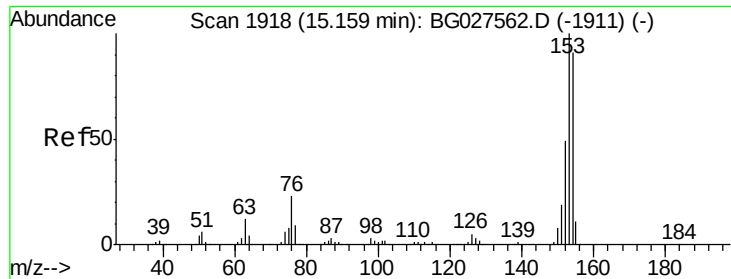
Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	163	Resp:	20288
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.8	5.6
164	10.6	9.3	13.9





#51

Acenaphthene

Concen: 85.207 ng

RT: 15.16 min Scan# 1918

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

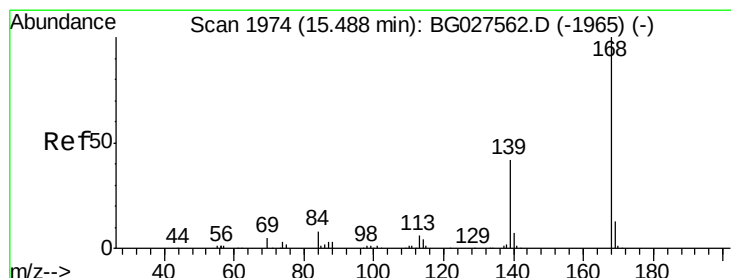
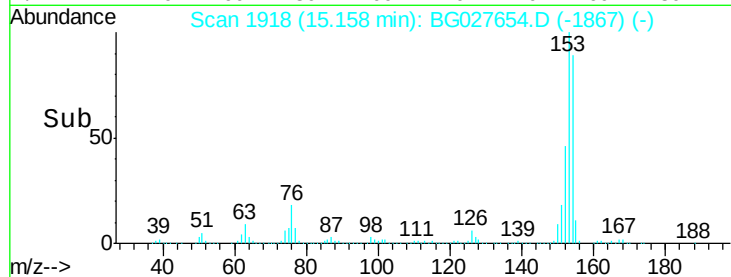
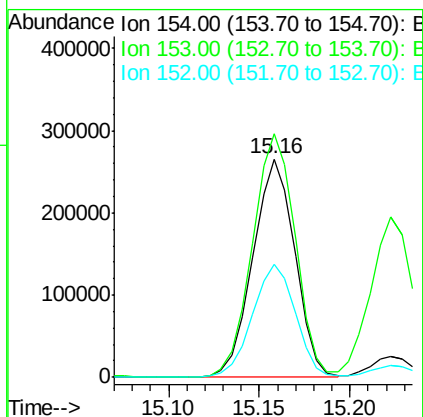
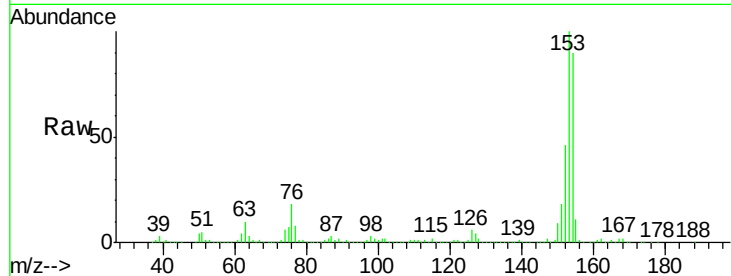
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	154	Resp:	426291
Ion Ratio	Lower	Upper	
154	100		
153	111.6	87.8	131.6
152	51.7	42.2	63.4

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#54

Dibenzofuran

Concen: 71.641 ng

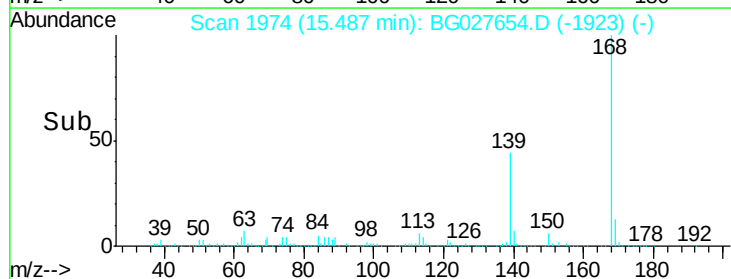
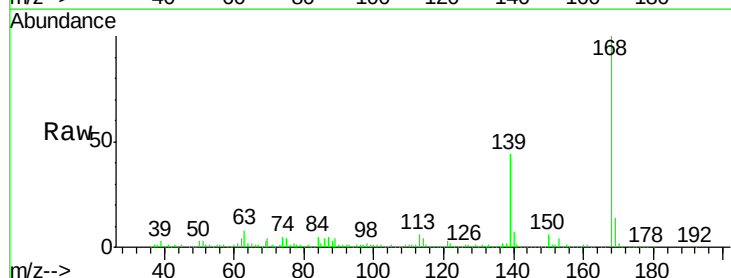
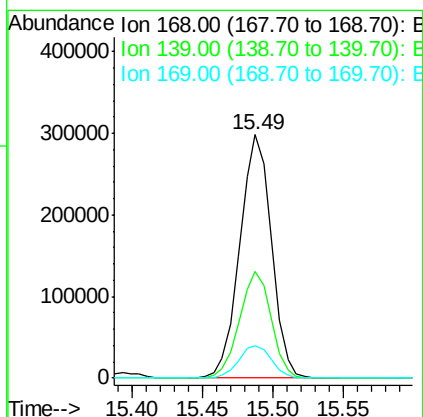
RT: 15.49 min Scan# 1974

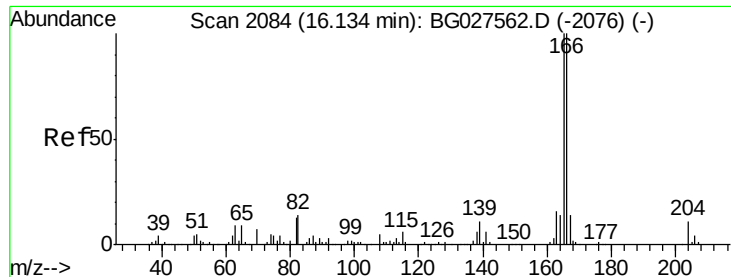
Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	168	Resp:	466844
Ion Ratio	Lower	Upper	
168	100		
139	43.9	35.3	52.9
169	13.6	11.5	17.3





#57

Fluorene

Concen: 50.748 ng

RT: 16.13 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

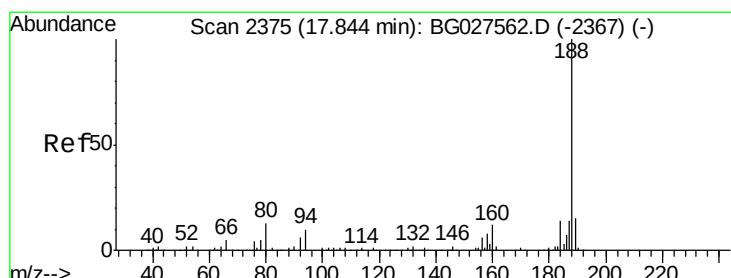
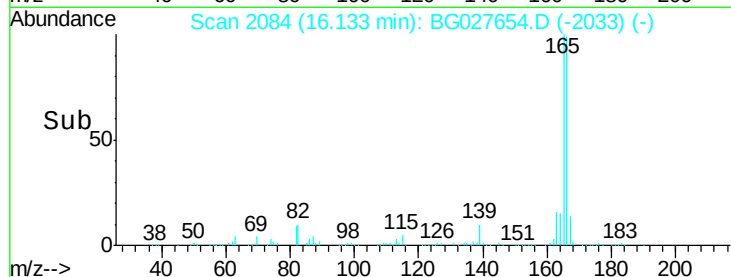
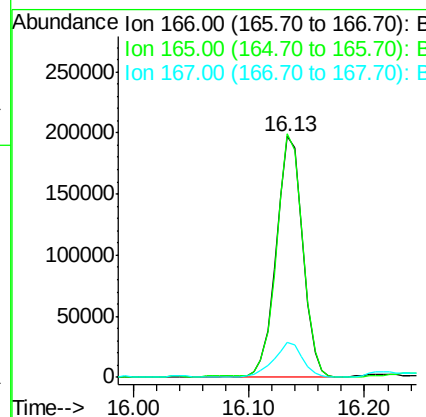
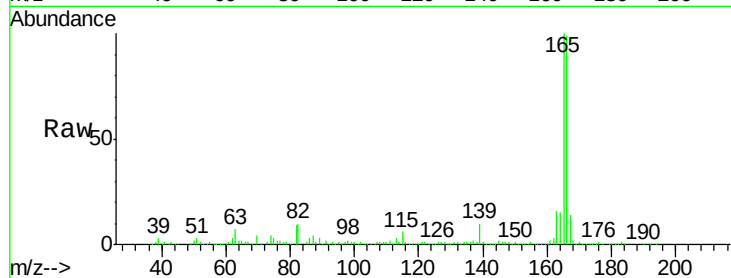
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	166	Resp:	313192
Ion Ratio	Lower	Upper	
166	100		
165	101.1	78.6	117.8
167	14.6	11.6	17.4

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#63

Phenanthrene-d10

Concen: 20.000 ng

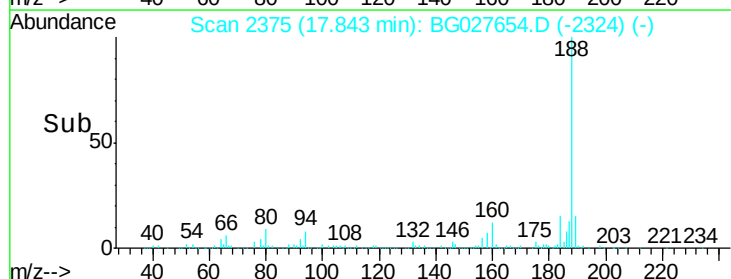
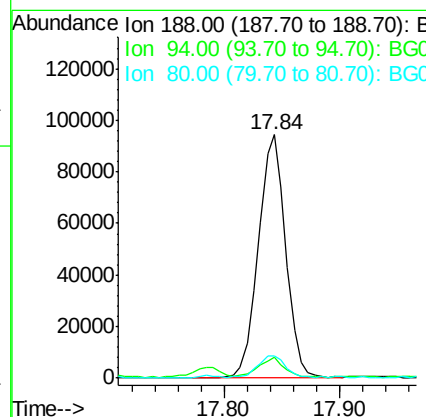
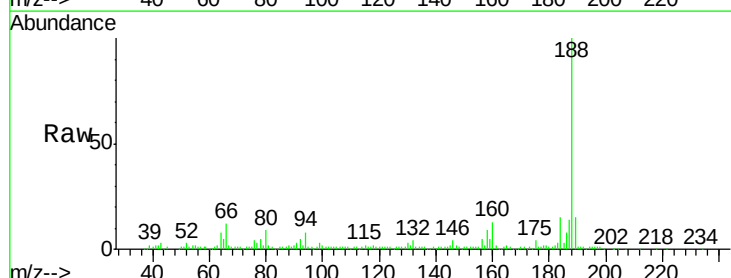
RT: 17.84 min Scan# 2375

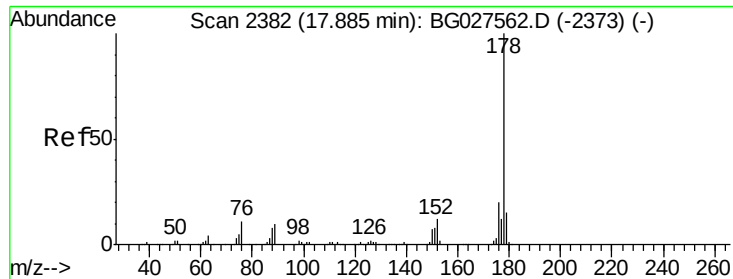
Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	188	Resp:	155735
Ion Ratio	Lower	Upper	
188	100		
94	8.4	5.8	8.8
80	9.3	7.5	11.3





#70

Phenanthrene

Concen: 67.794 ng

RT: 17.88 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

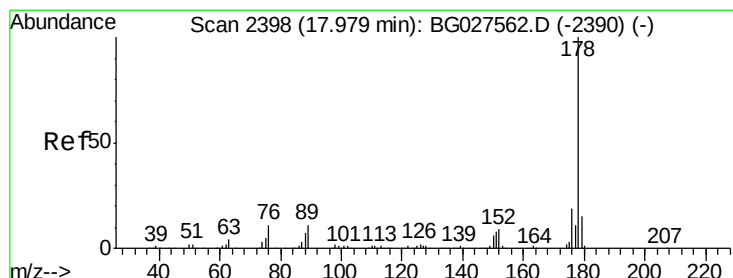
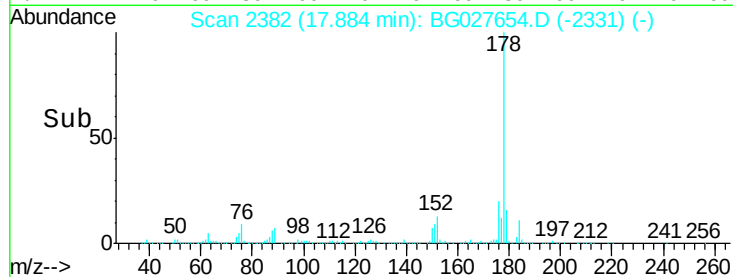
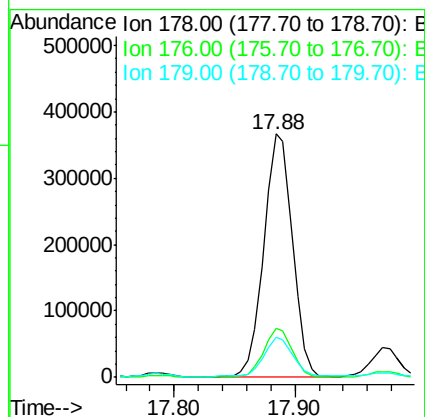
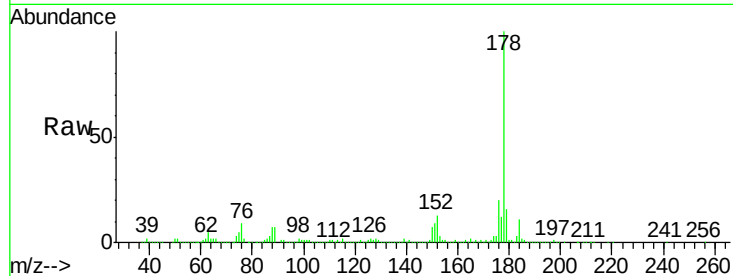
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	178	Resp:	600624
Ion Ratio	Lower	Upper	
178	100		
176	19.9	17.7	26.5
179	16.4	15.0	22.6

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#71

Anthracene

Concen: 7.806 ng

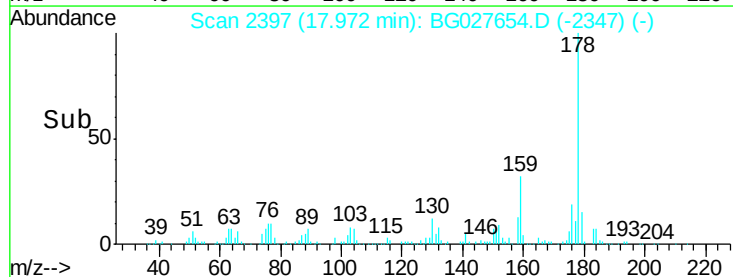
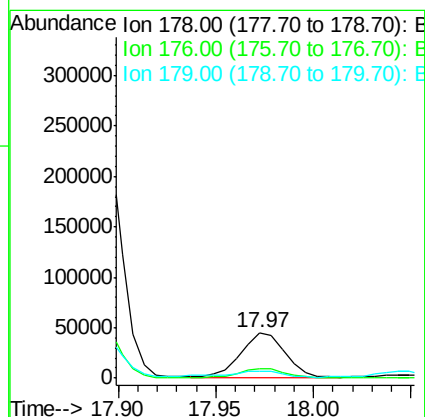
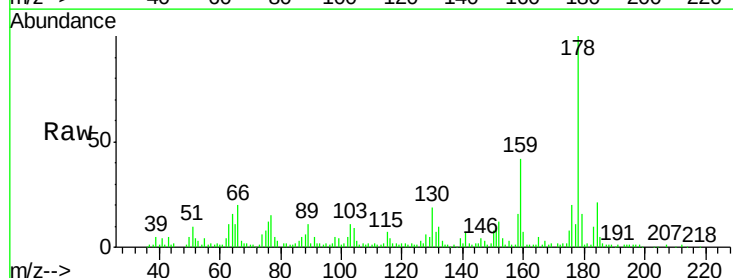
RT: 17.97 min Scan# 2397

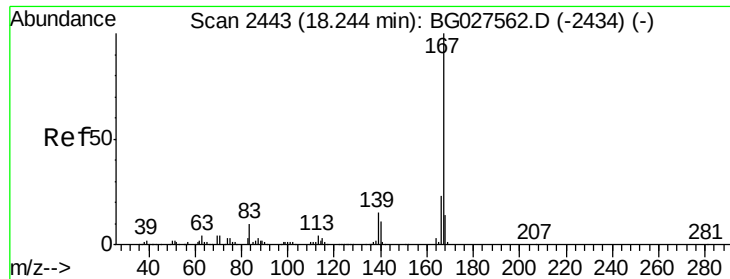
Delta R.T. -0.01 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	178	Resp:	69630
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.4	24.6
179	15.9	13.8	20.8





#72

Carbazole

Concen: 39.956 ng

RT: 18.25 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

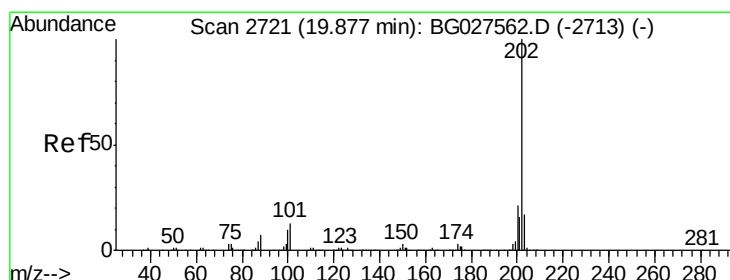
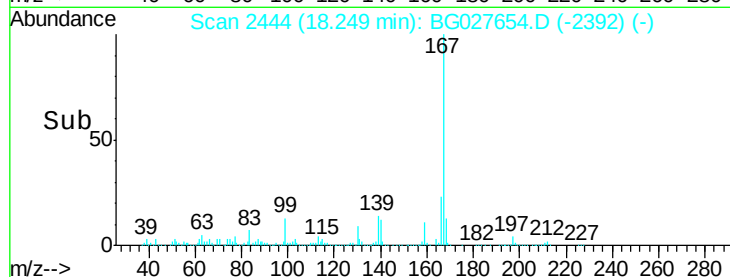
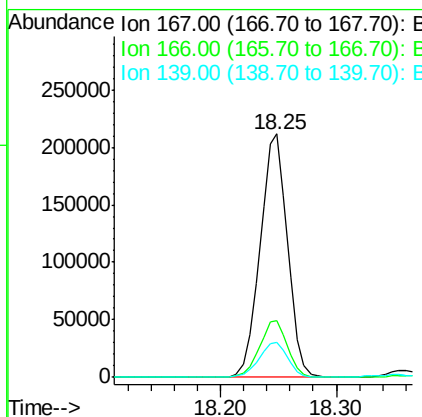
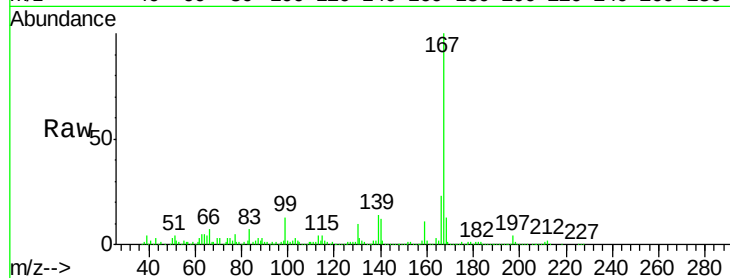
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	167	Resp:	347227
Ion Ratio		Lower	Upper
167	100		
166	23.4	20.2	30.2
139	14.2	12.8	19.2

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#74

Fluoranthene

Concen: 7.292 ng

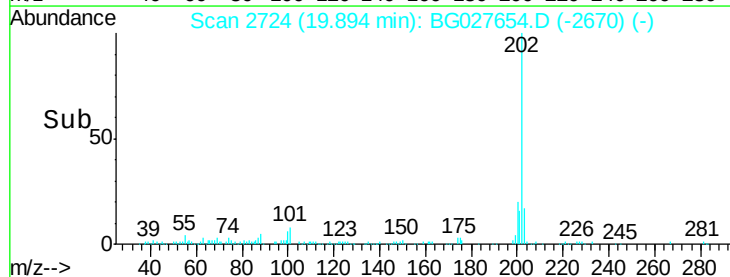
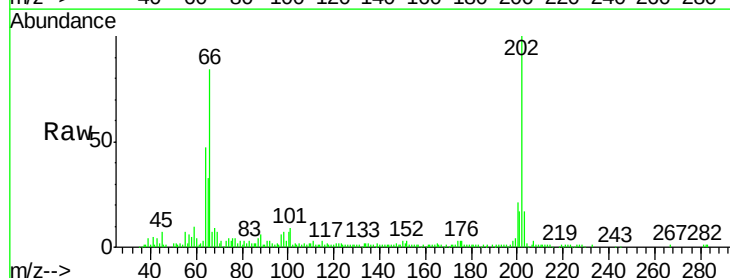
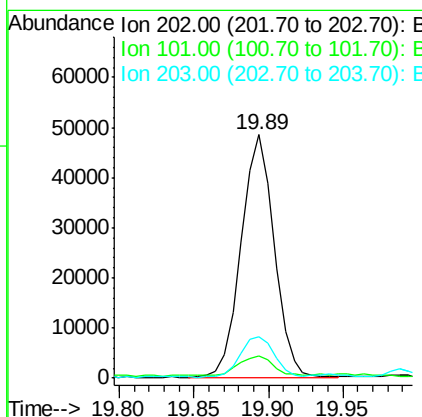
RT: 19.89 min Scan# 2724

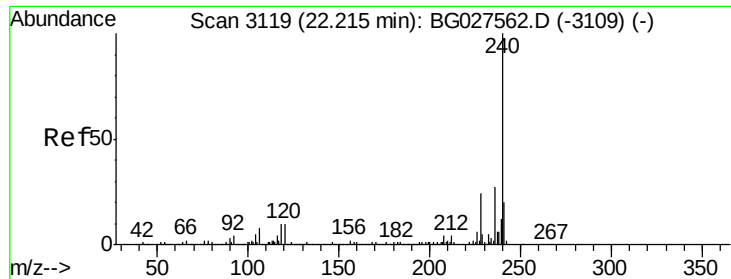
Delta R.T. 0.02 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	202	Resp:	75265
Ion Ratio		Lower	Upper
202	100		
101	8.9	0.0	30.1
203	16.9	1.3	41.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.21 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

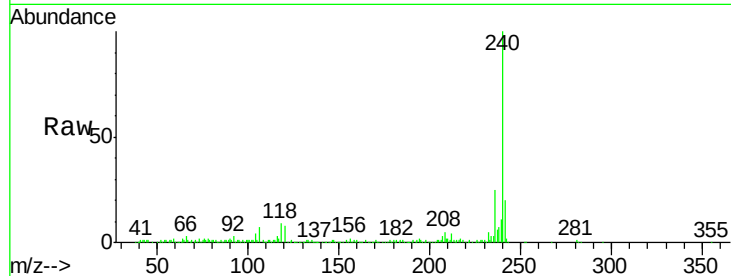
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	179639		
120	7.8	5.7	8.5	
236	25.3	22.2	33.4	

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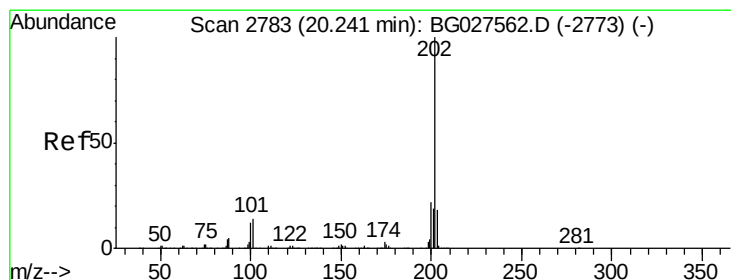
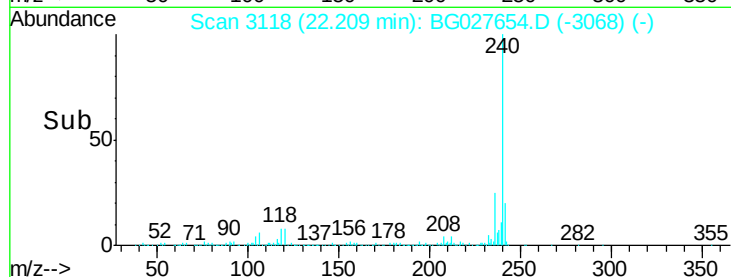
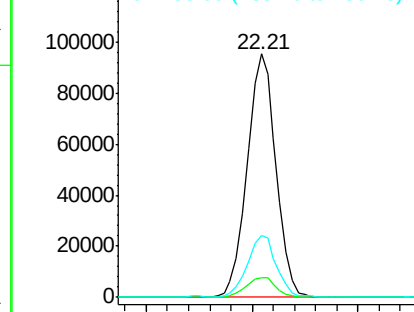
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.580 ng

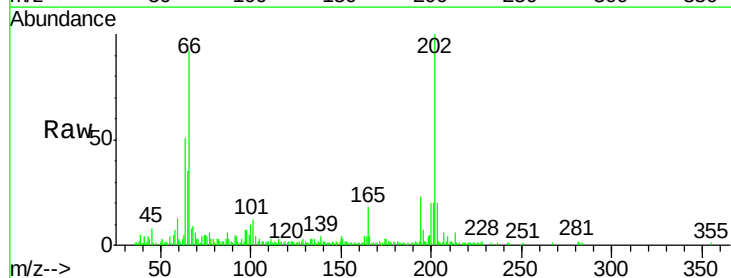
RT: 20.24 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

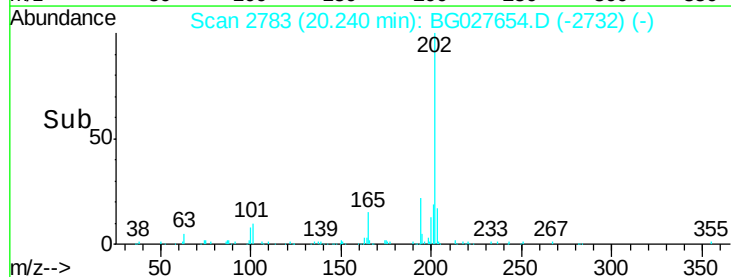
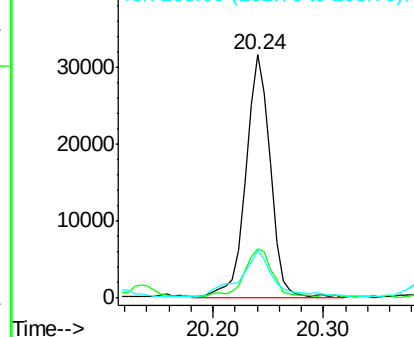
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	50018		
200	20.4	19.6	29.4	
203	19.5	15.8	23.8	

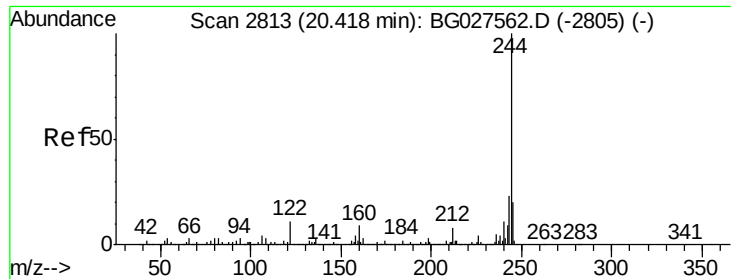


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.042 ng

RT: 20.42 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_G

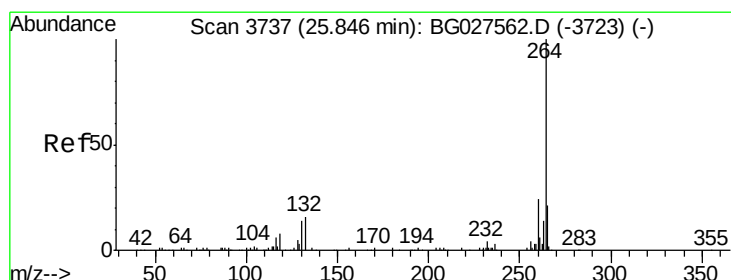
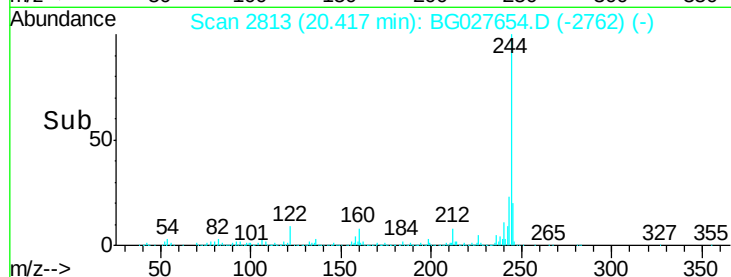
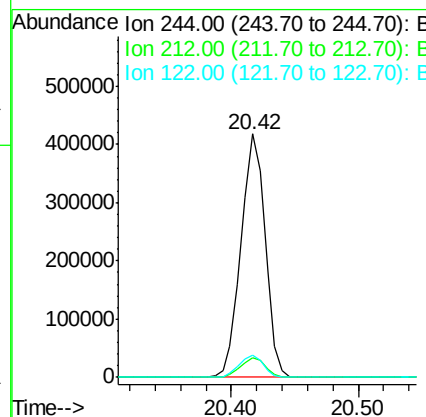
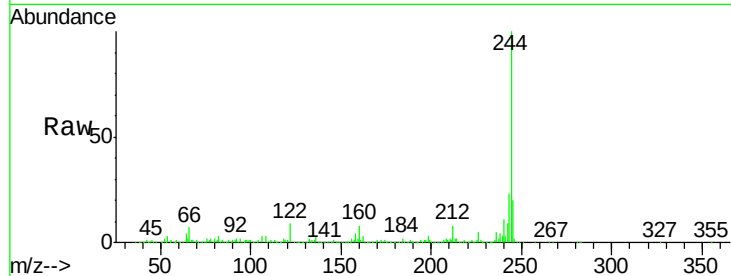
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	244	Resp:	549285
Ion Ratio		Lower	Upper
244	100		
212	7.9	10.0	15.0#
122	9.3	8.6	12.8

Manual Integrations
APPROVED

mohammad
6/29/2017 4:42:38 PM



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.85 min Scan# 3737

Delta R.T. -0.00 min

Lab File: BG027654.D

Acq: 24 Jun 2017 11:32

Tgt Ion:	264	Resp:	166780
Ion Ratio		Lower	Upper
264	100		
260	24.7	21.8	32.8
265	20.7	18.2	27.4

