

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060717\
 Data File : BG027312.D
 Acq On : 8 Jun 2017 10:43
 Operator : SJ/MA
 Sample : I3473-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R1-MW-6

Manual Integrations
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Quant Time: Jun 08 11:36:04 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.57	152	51634	20.00	ng	-0.01
21) Naphthalene-d8	11.41	136	242780	20.00	ng	0.01
38) Acenaphthene-d10	15.14	164	155820	20.00	ng	-0.02
63) Phenanthrene-d10	17.89	188	361601	20.00	ng	-0.02
75) Chrysene-d12	22.27	240	413061	20.00	ng	-0.04
86) Perylene-d12	25.95	264	384975	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	217968	64.42	ng	-0.01
7) Phenol-d6	7.69	99	202807	40.83	ng	-0.01
23) Nitrobenzene-d5	9.73	82	441895	114.47	ng	-0.01
41) 2,4,6-Tribromophenol	16.62	330	326399	159.07	ng	-0.02
44) 2-Fluorobiphenyl	13.77	172	1014479	91.08	ng	-0.02
78) Terphenyl-d14	20.46	244	1542433	95.26	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	4.16	88	67132	47.85	ng	Qvalue # 84
31) Naphthalene	11.50	128	14647575m	1103.92	ng	
37) 2-Methylnaphthalene	13.01	142	4240450	438.12	ng	94
45) 1,1'-Biphenyl	13.98	154	572053	44.98	ng	98
48) Acenaphthylene	14.87	152	689721	42.74	ng	97
49) Dimethylphthalate	14.57	163	44949	3.64	ng	100
51) Acenaphthene	15.21	154	314146	29.93	ng	97
54) Dibenzofuran	15.54	168	101166	6.90	ng	92
57) Fluorene	16.18	166	300496	23.06	ng	99
70) Phenanthrene	17.93	178	464640	22.84	ng	94
71) Anthracene	18.02	178	55377	2.72	ng	95
72) Carbazole	18.28	167	86557	4.50	ng	96

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

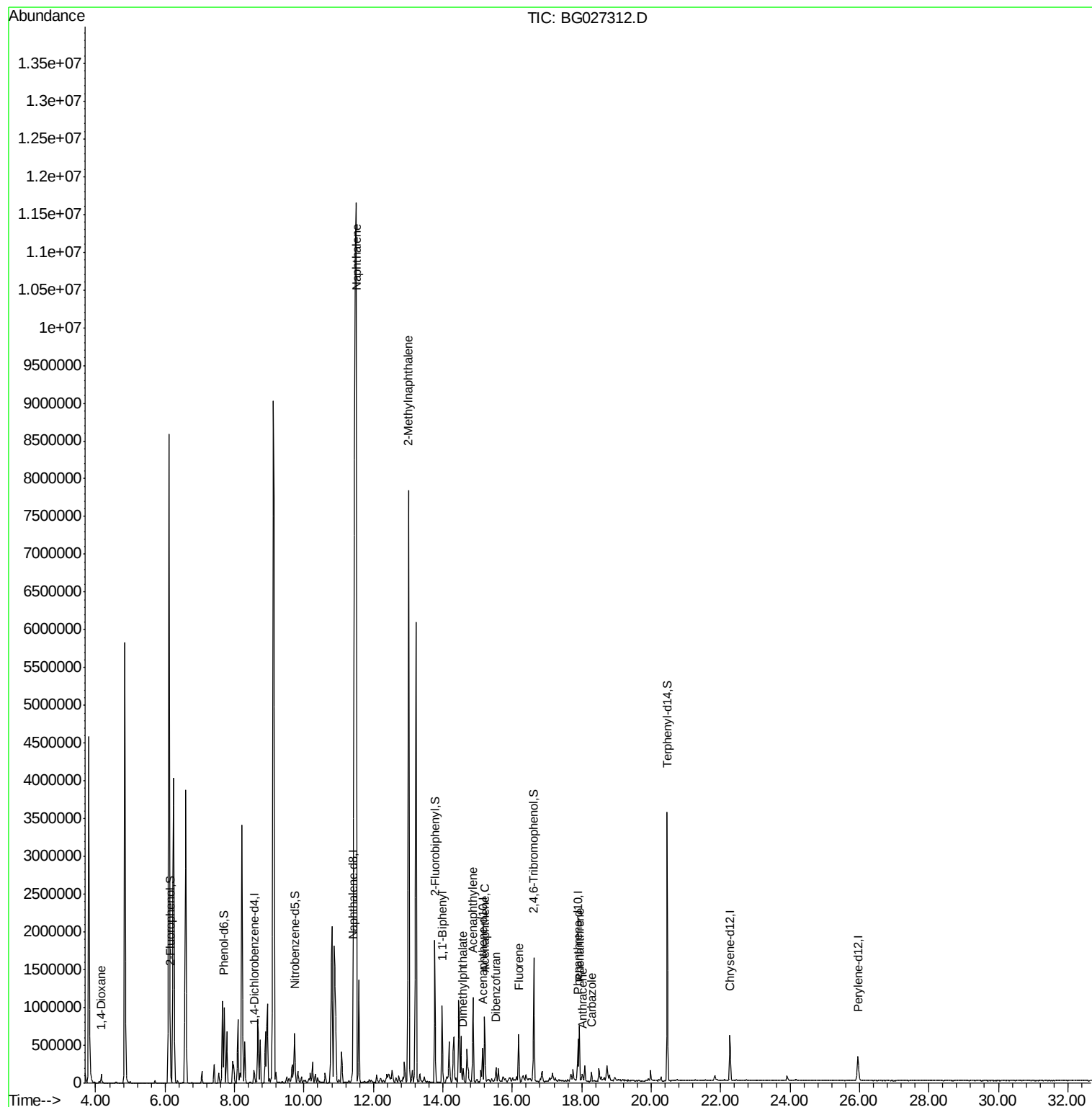
Data Path : Z:\HPCHEM1\BNA G\DATA\BG060717\
Data File : BG027312.D
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Misc :
ALS Vial : 25 Sample Multiplier: 1

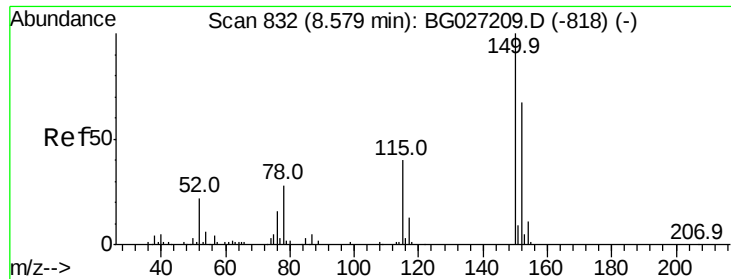
Instrument :
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R1-MW-6

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Quant Time: Jun 08 11:36:04 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Instrument :

BNA_G

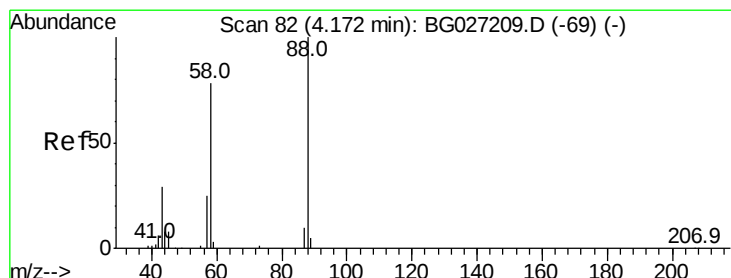
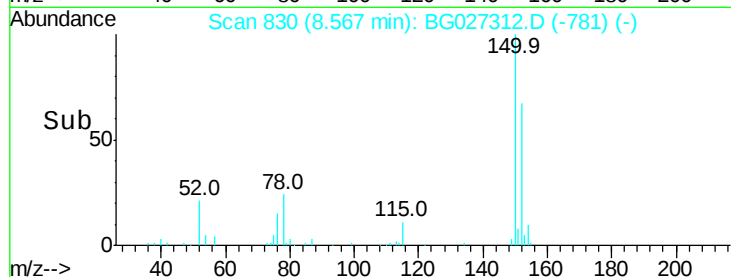
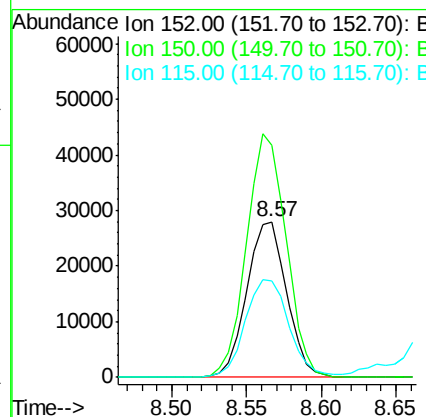
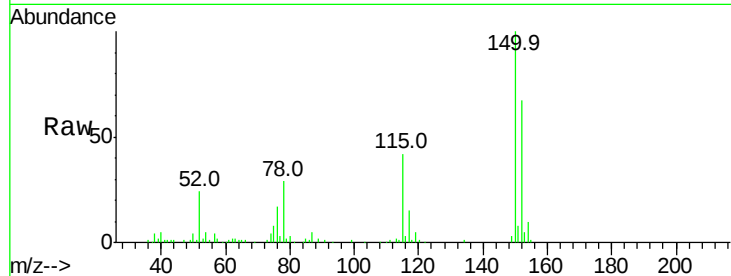
ClientSampled :

R1-MW-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	114.0	171.0
115	62.1	48.1	72.1

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#2

1,4-Dioxane

Concen: 47.85 ng

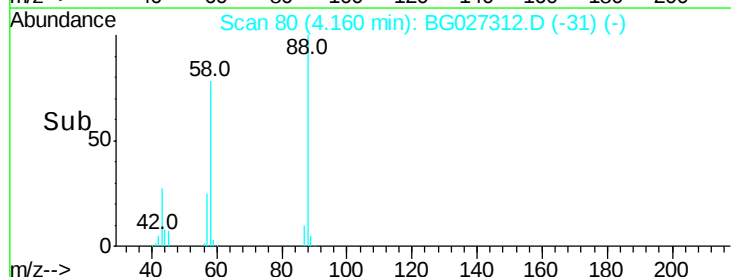
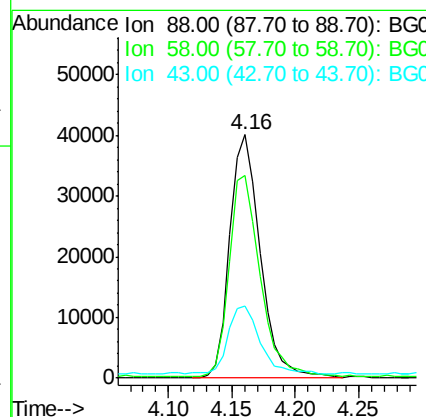
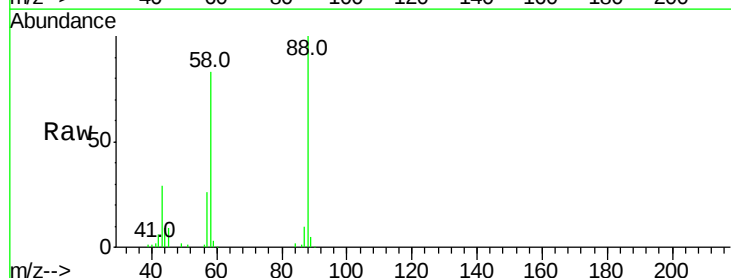
RT: 4.16 min Scan# 80

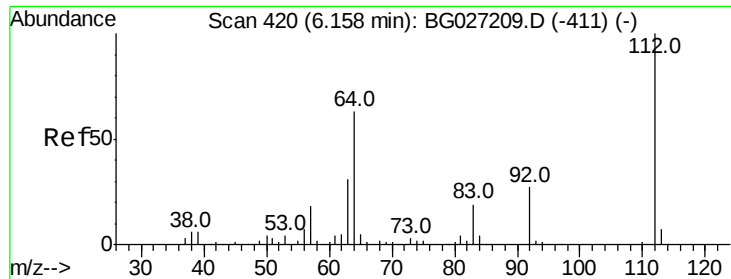
Delta R.T. -0.01 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.2	79.4	119.2
43	28.4	33.8	50.6#





#5

2-Fluorophenol

Concen: 64.42 ng

RT: 6.15 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Instrument :

BNA_G

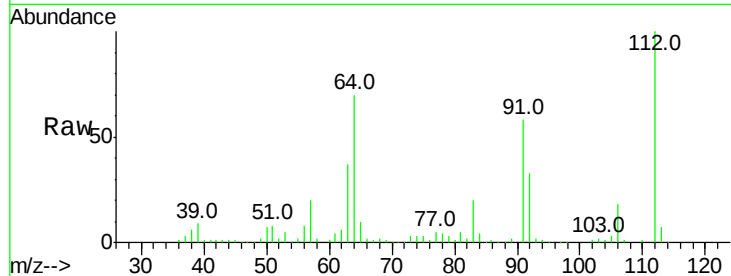
ClientSampled :

R1-MW-6

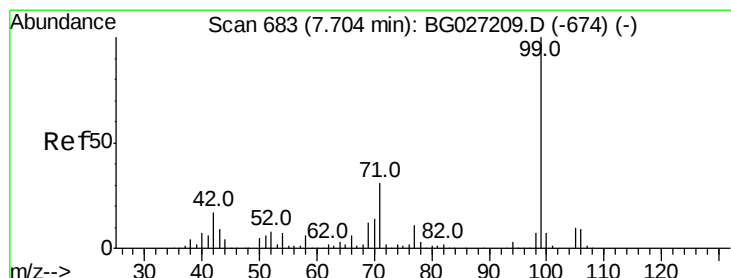
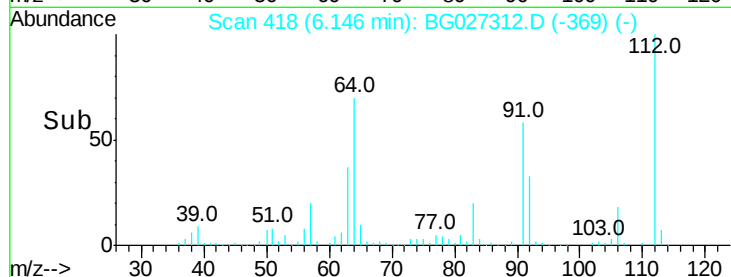
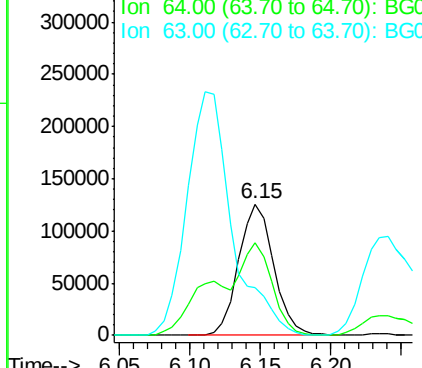
Tot Ion:	112	Resp:	217968
Ion Ratio	Lower	Upper	
112	100		
64	70.0	61.8	92.6
63	36.6	37.2	55.8#

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Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 40.83 ng

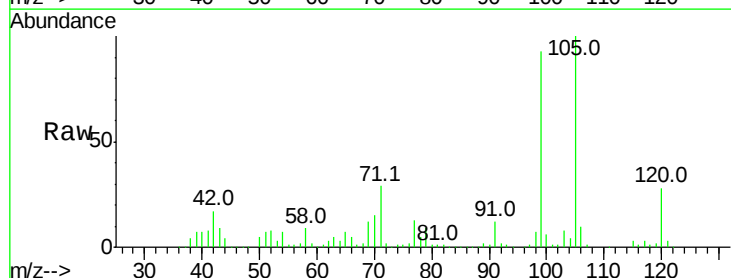
RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

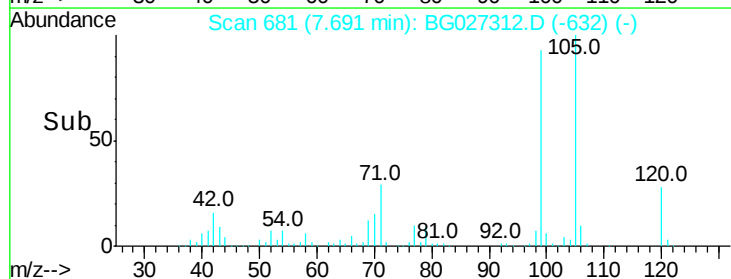
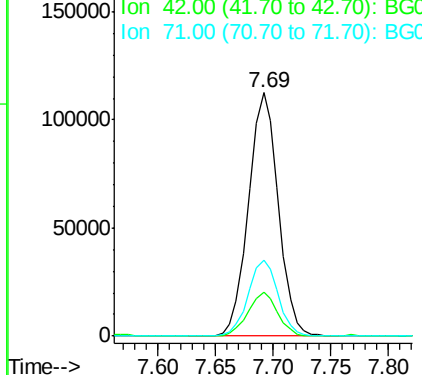
Lab File: BG027312.D

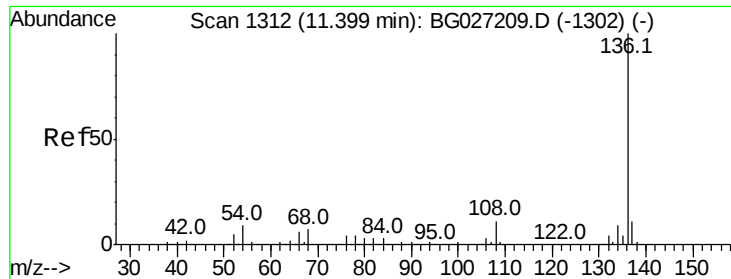
Acq: 8 Jun 2017 10:43

Tgt Ion:	99	Resp:	202807
Ion Ratio	Lower	Upper	
99	100		
42	17.9	20.5	30.7#
71	31.2	37.6	56.4#



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





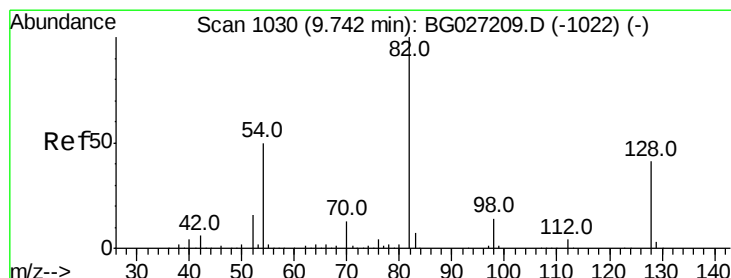
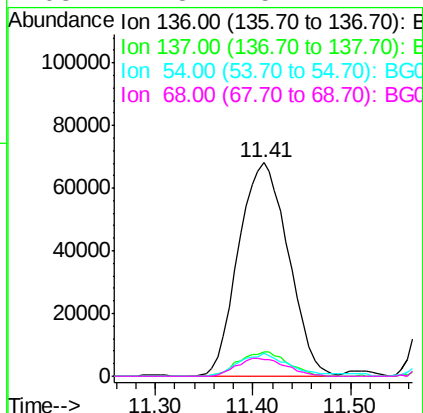
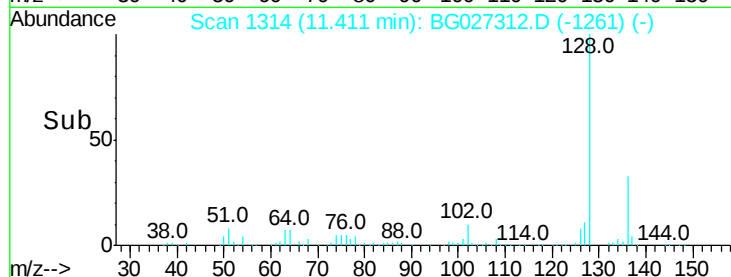
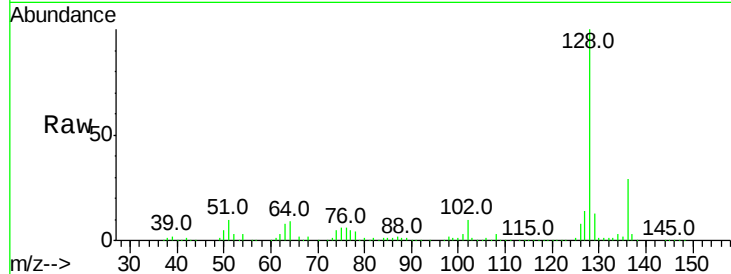
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.41 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Instrument :
BNA_G
ClientSampled :
R1-MW-6

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	10.9	9.3	13.9	
68	7.8	5.1	7.7#	

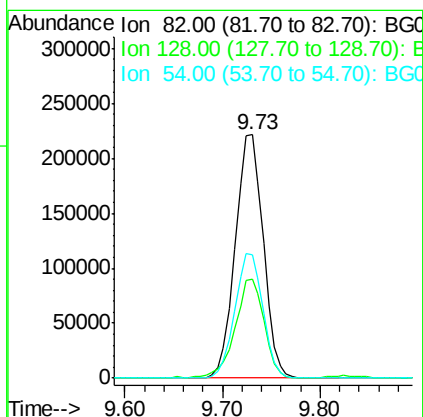
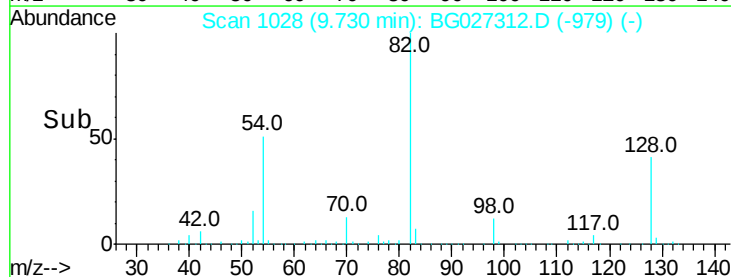
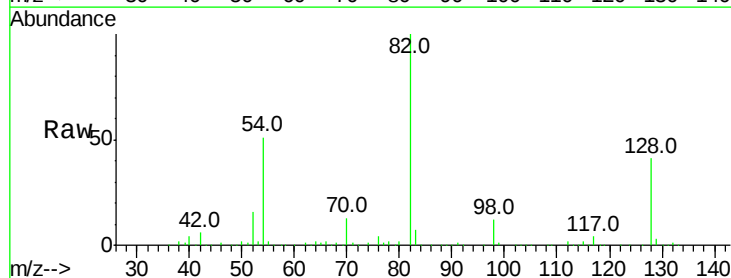
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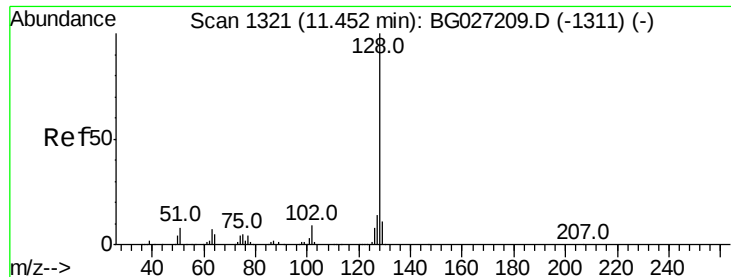
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#23
Nitrobenzene-d5
Concen: 114.47 ng
RT: 9.73 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.7	26.4	39.6#	
54	50.5	49.4	74.2	





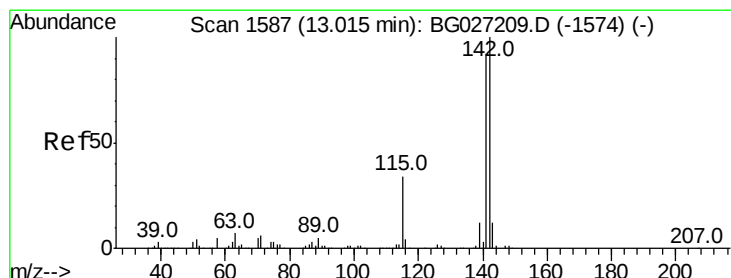
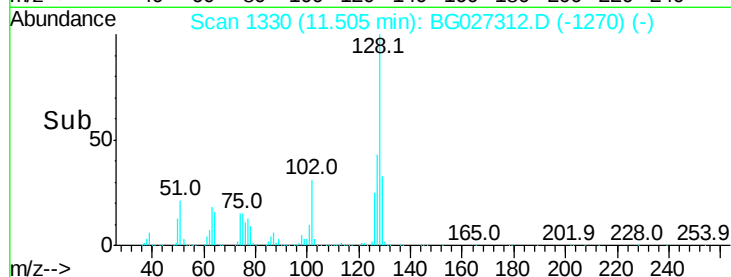
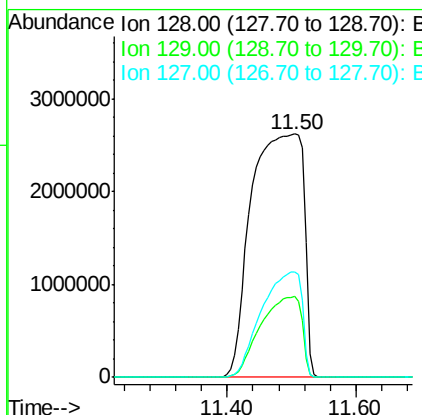
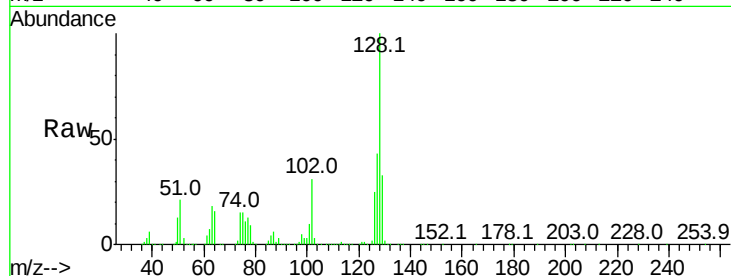
#31
Naphthalene
Concen: 1103.92 ng m
RT: 11.50 min Scan# 1330
Delta R.T. 0.05 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Instrument :
BNA_G
ClientSampleId :
R1-MW-6

Tot Ion:128 Resp:14647575
Ion Ratio Lower Upper
128 100
129 33.1 9.3 13.9#
127 43.4 11.4 17.0#

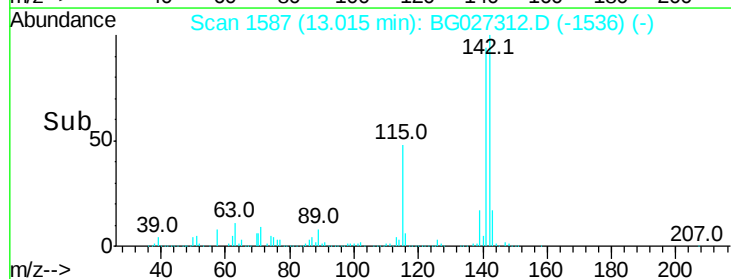
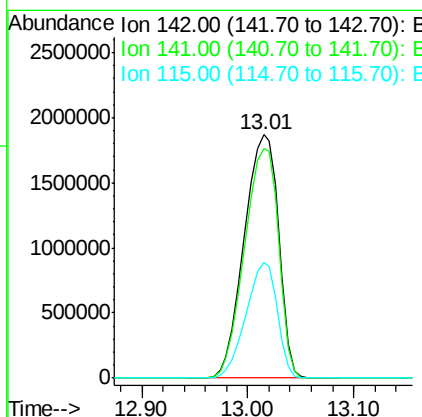
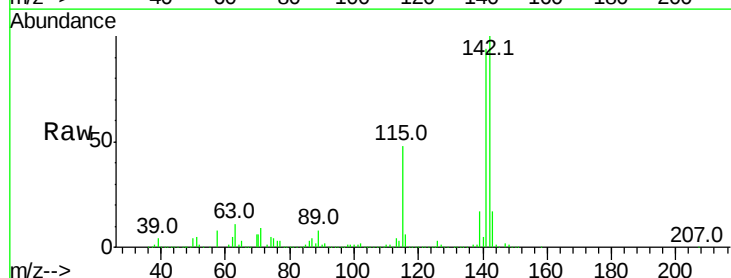
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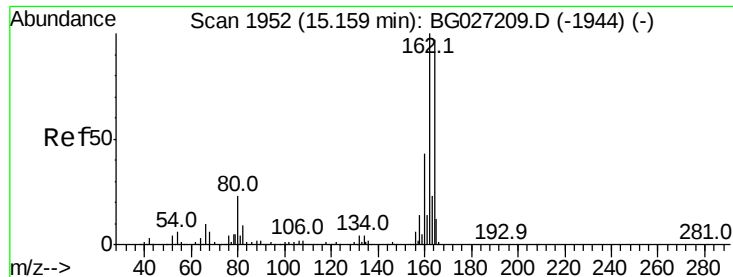
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#37
2-Methylnaphthalene
Concen: 438.12 ng
RT: 13.01 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Tgt Ion:142 Resp: 4240450
Ion Ratio Lower Upper
142 100
141 94.5 70.4 105.6
115 47.7 35.5 53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.14 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Instrument :

BNA_G

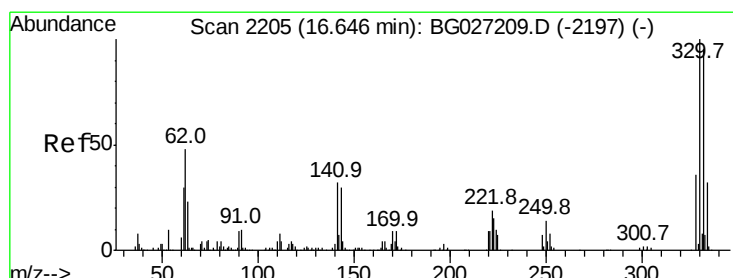
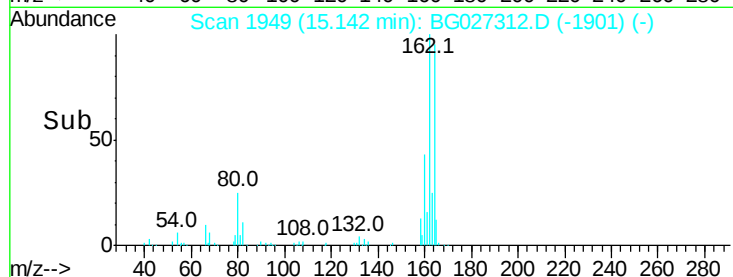
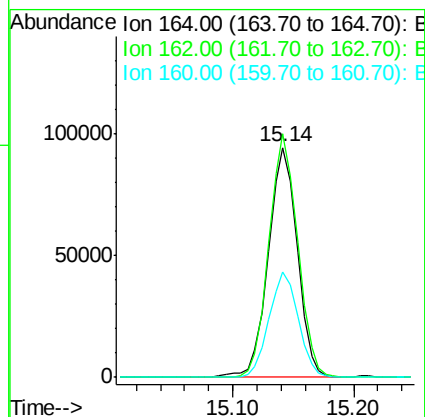
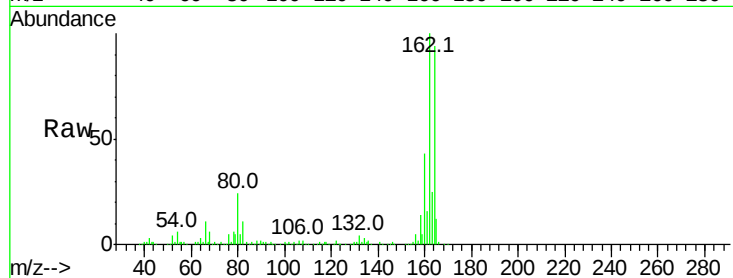
ClientSampleId :

R1-MW-6

Tot Ion	Ratio	Resp	Lower	Upper
164	100	155820		
162	106.0	85.1	127.7	
160	45.8	34.7	52.1	

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#41

2,4,6-Tribromophenol

Concen: 159.07 ng

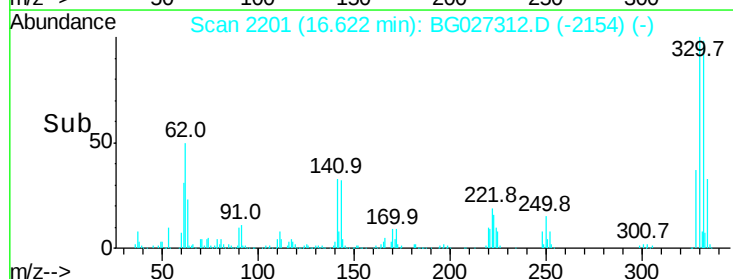
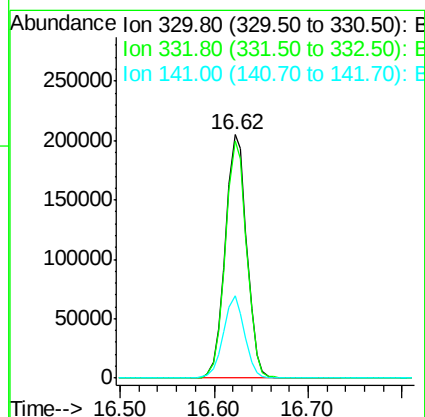
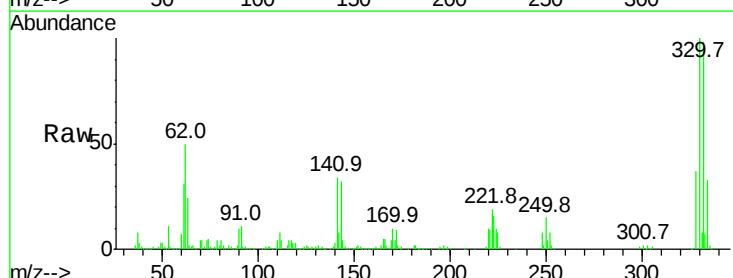
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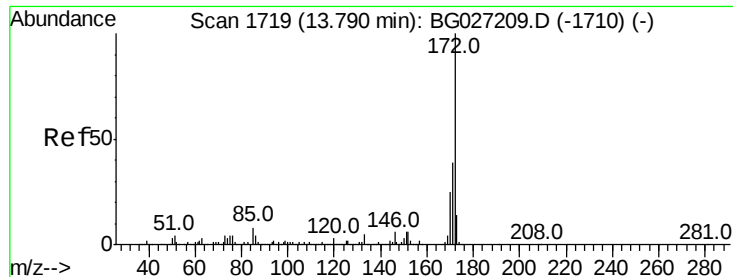
Delta R.T. -0.02 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	326399		
332	96.2	77.3	115.9	
141	32.9	32.1	48.1	





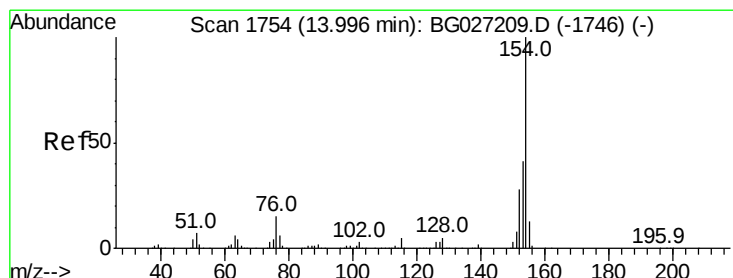
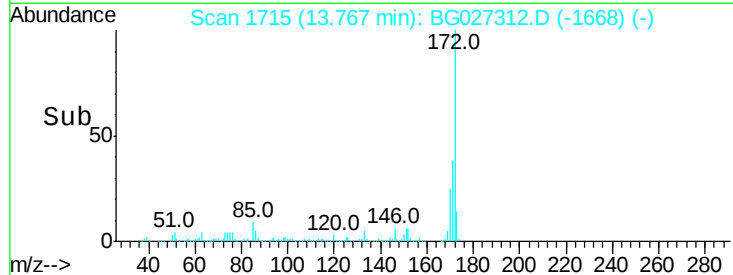
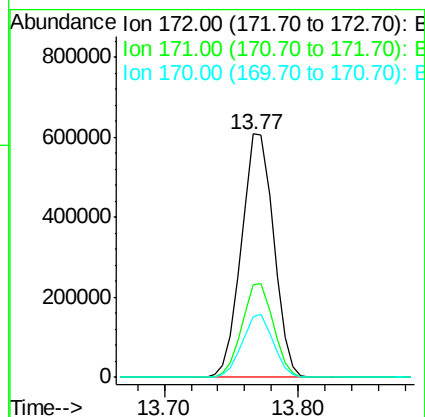
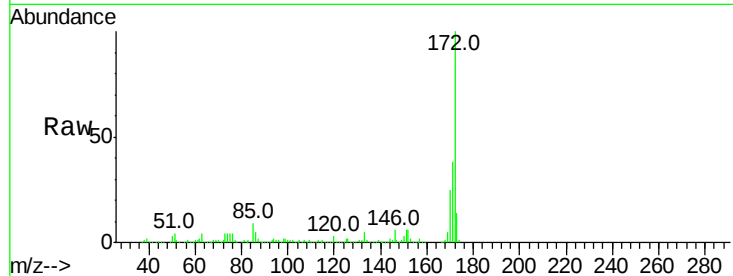
#44
2-Fluorobiphenyl
Concen: 91.08 ng
RT: 13.77 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Instrument :
BNA_G
ClientSampleId :
R1-MW-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	32.2	48.2
170	24.9	21.8	32.6

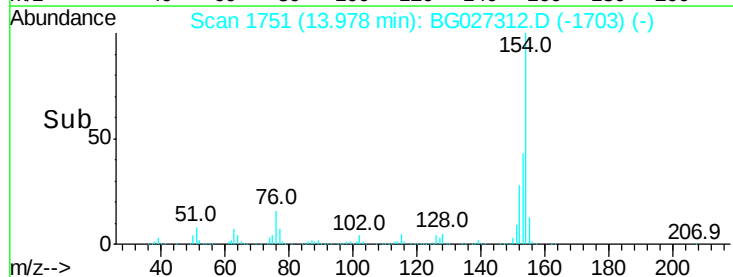
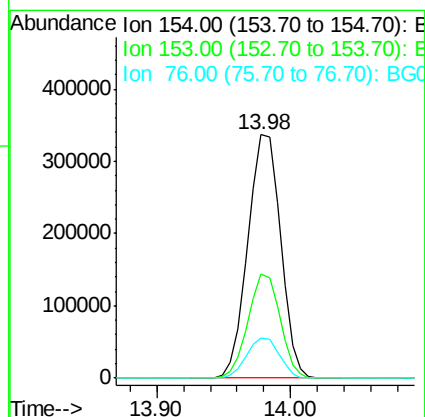
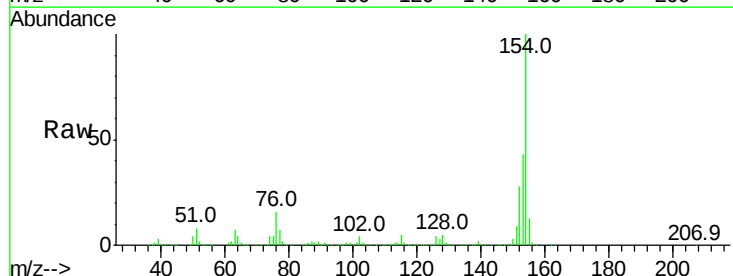
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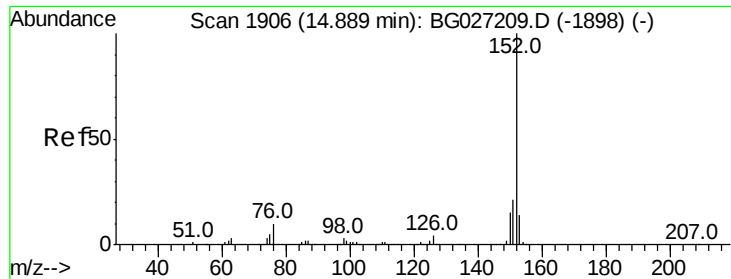
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#45
1,1'-Biphenyl
Concen: 44.98 ng
RT: 13.98 min Scan# 1751
Delta R.T. -0.02 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	23.0	63.0
76	16.4	0.0	33.5





#48

Acenaphthylene

Concen: 42.74 ng

RT: 14.87 min Scan# 1903

Delta R.T. -0.02 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Instrument :

BNA_G

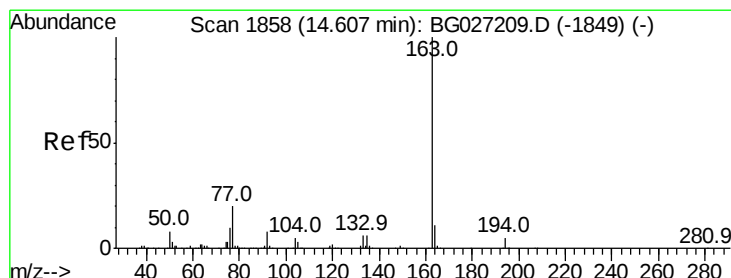
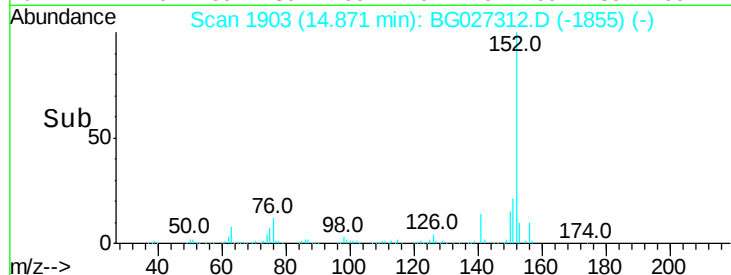
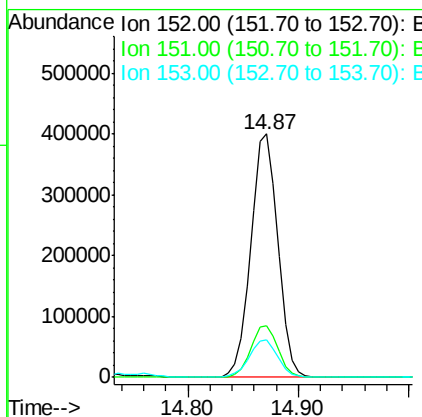
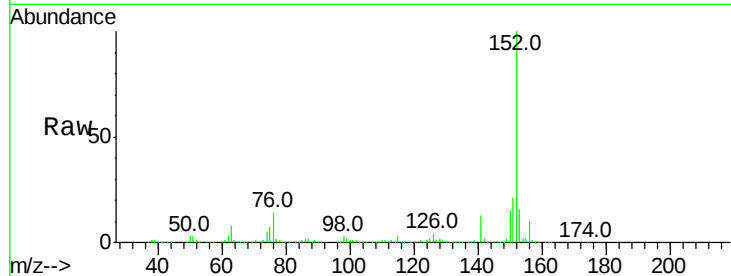
ClientSampleId :

R1-MW-6

Tot Ion:	152	Resp:	689721
Ion Ratio	Lower	Upper	
152	100		
151	21.4	18.2	27.2
153	15.6	11.3	16.9

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#49

Dimethylphthalate

Concen: 3.64 ng

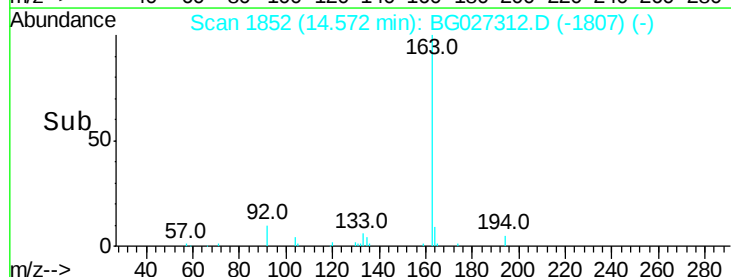
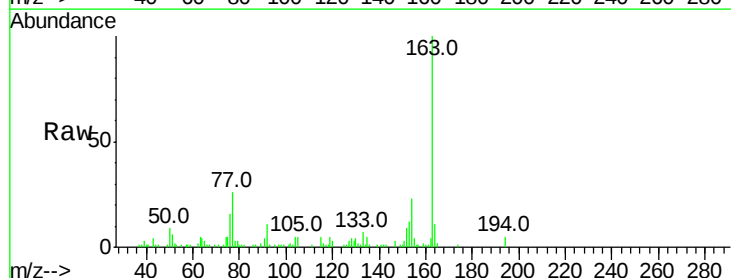
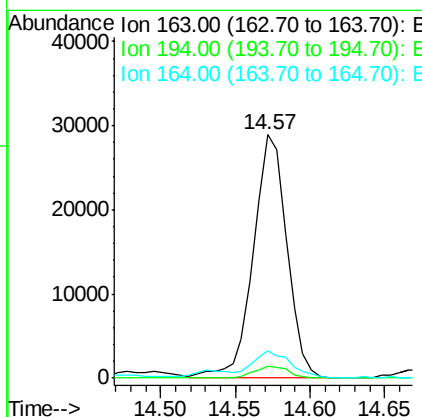
RT: 14.57 min Scan# 1852

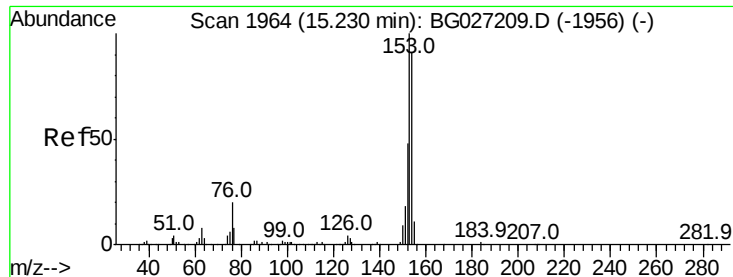
Delta R.T. -0.04 min

Lab File: BG027312.D

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Tgt Ion:	163	Resp:	44949
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.8	5.6
164	11.4	9.3	13.9





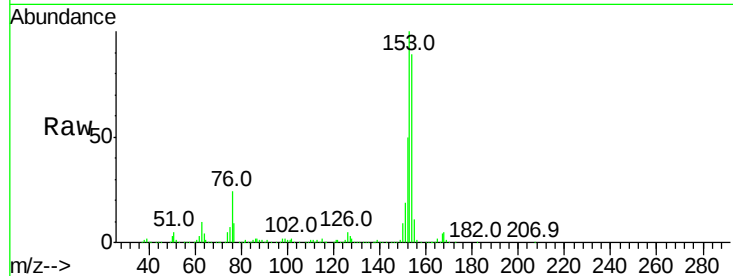
#51
Acenaphthene
Concen: 29.93 ng
RT: 15.21 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Instrument :
BNA_G
ClientSampleId :
R1-MW-6

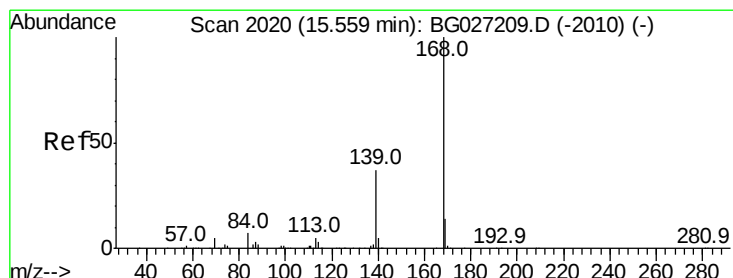
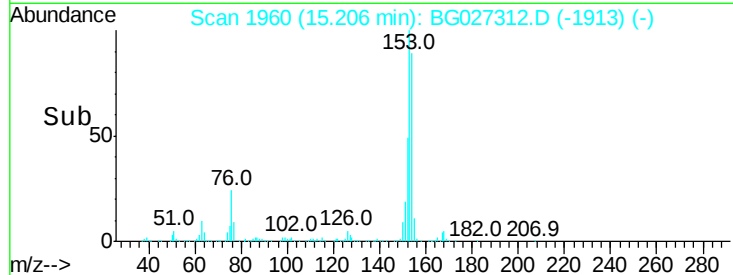
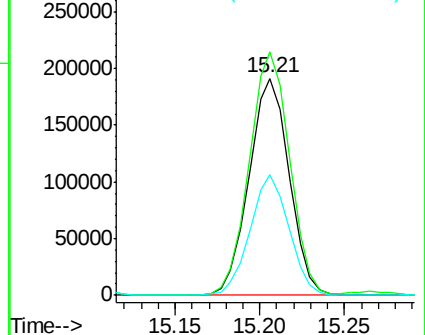
Tot Ion	154	Resp	314146
Ion Ratio	Lower	Upper	
154	100		
153	112.2	87.8	131.6
152	55.6	42.2	63.4

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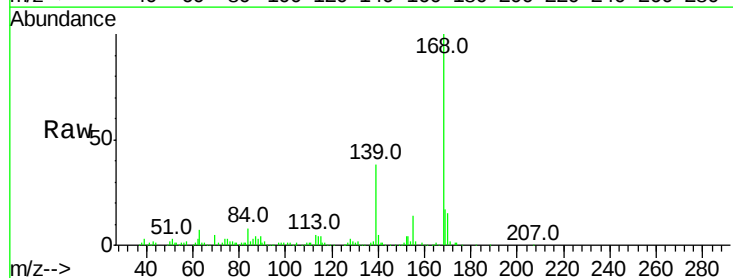


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

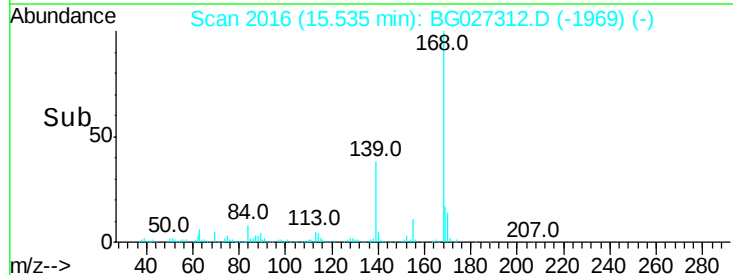
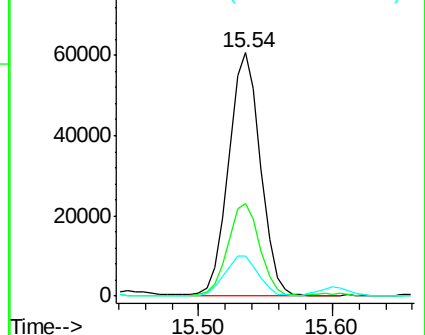


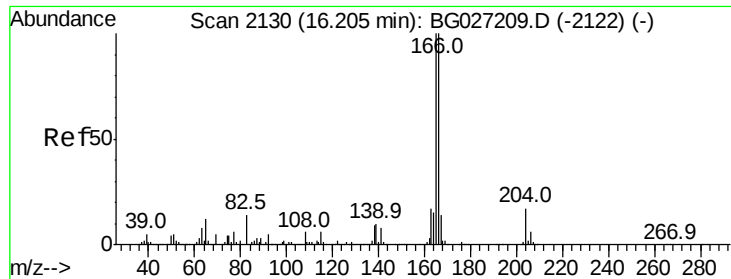
#54
Dibenzofuran
Concen: 6.90 ng
RT: 15.54 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Tgt Ion	168	Resp	101166
Ion Ratio	Lower	Upper	
168	100		
139	38.0	35.3	52.9
169	16.6	11.5	17.3



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





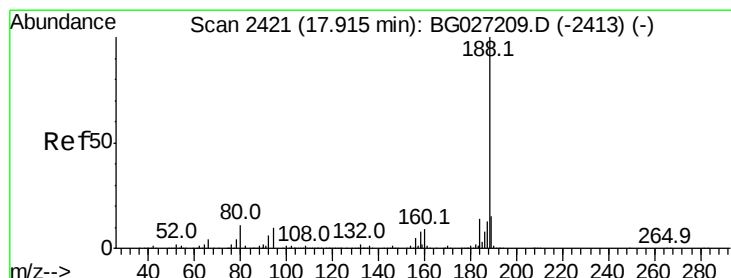
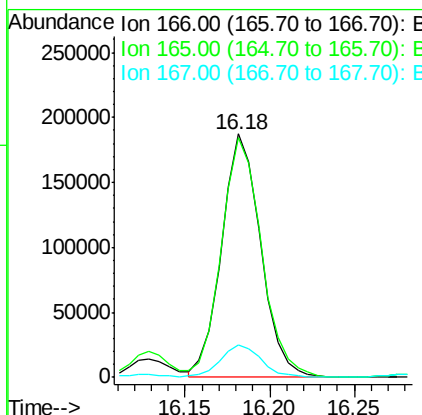
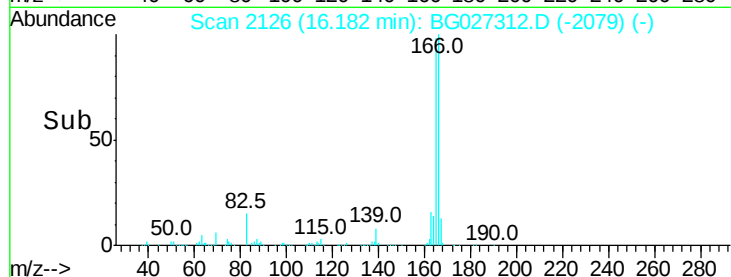
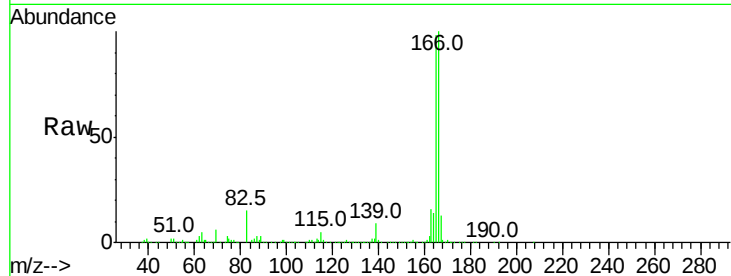
#57
Fluorene
 Concen: 23.06 ng
 RT: 16.18 min Scan# 2126
 Delta R.T. -0.02 min
 Lab File: BG027312.D
 Acq: 8 Jun 2017 10:43

Instrument :
 BNA_G
 ClientSampleId :
 R1-MW-6

Tot Ion	Ratio	Resp	Lower	Upper
166	100	300496		
165	98.4		78.6	117.8
167	13.2		11.6	17.4

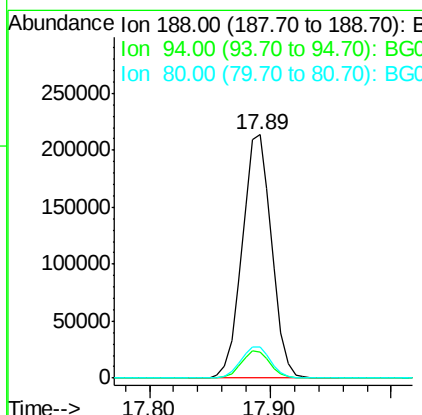
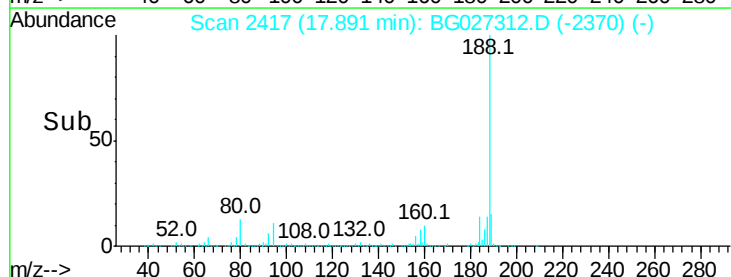
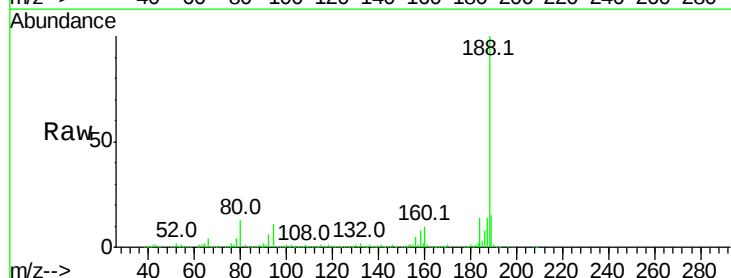
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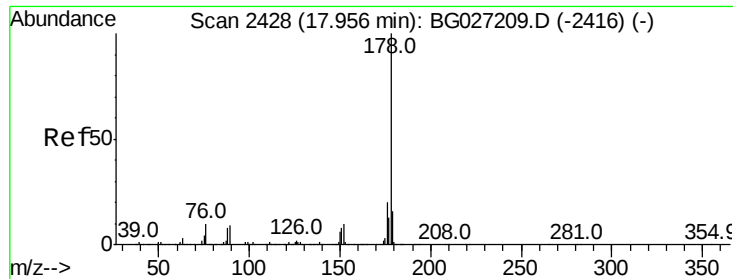
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.89 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BG027312.D
 Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	361601		
94	10.7		5.8	8.8#
80	12.6		7.5	11.3#





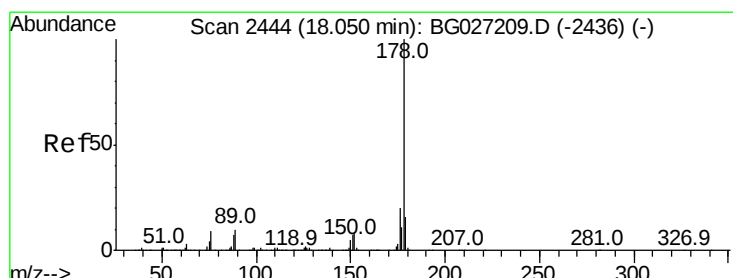
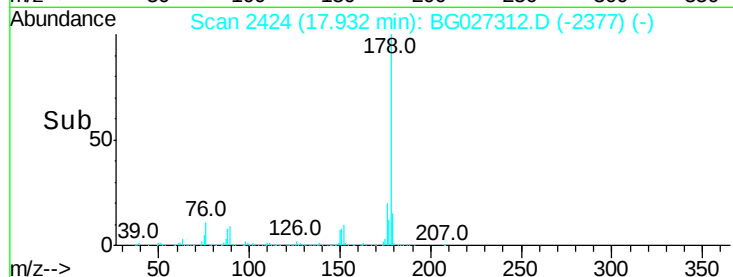
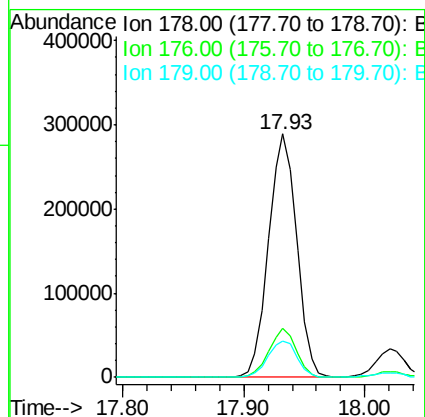
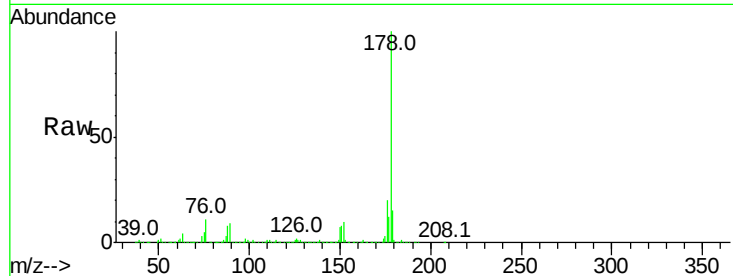
#70
Phenanthrene
Concen: 22.84 ng
RT: 17.93 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Instrument :
BNA_G
ClientSampleId :
R1-MW-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.7	26.5
179	15.1	15.0	22.6

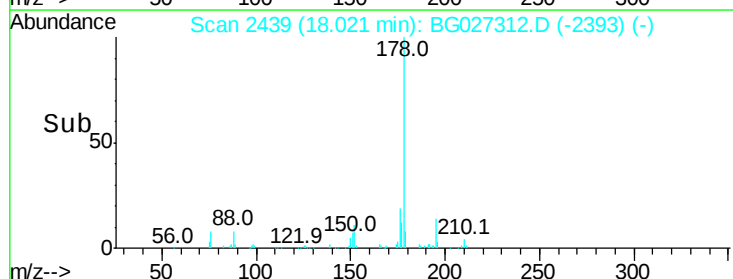
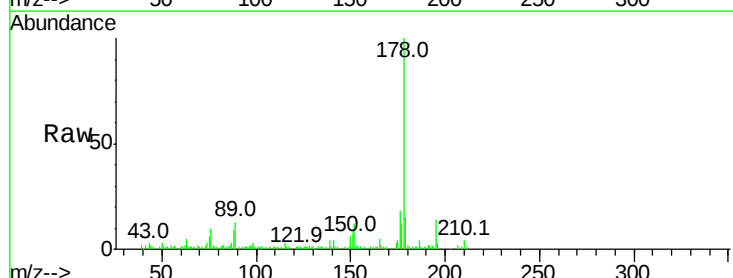
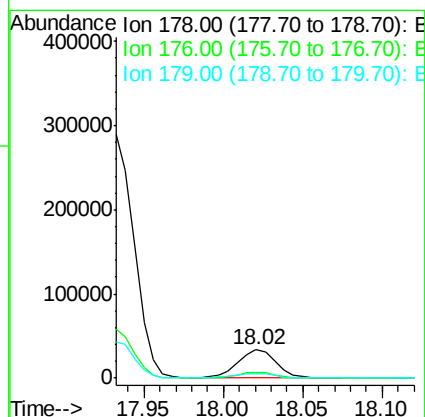
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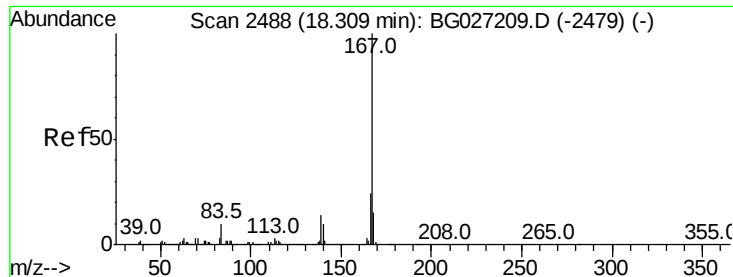
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#71
Anthracene
Concen: 2.72 ng
RT: 18.02 min Scan# 2439
Delta R.T. -0.03 min
Lab File: BG027312.D
Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.4	24.6
179	15.3	13.8	20.8





#72

Carbazole

Concen: 4.50 ng

RT: 18.28 min Scan# 2484

Delta R.T. -0.02 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Instrument :

BNA_G

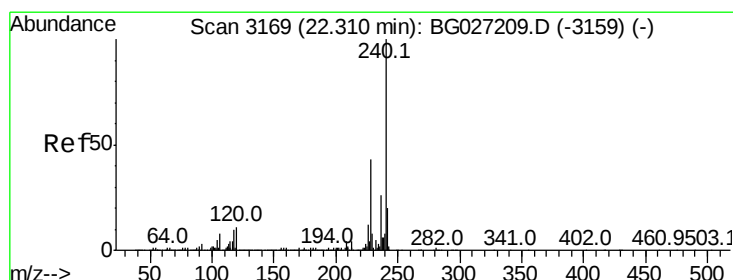
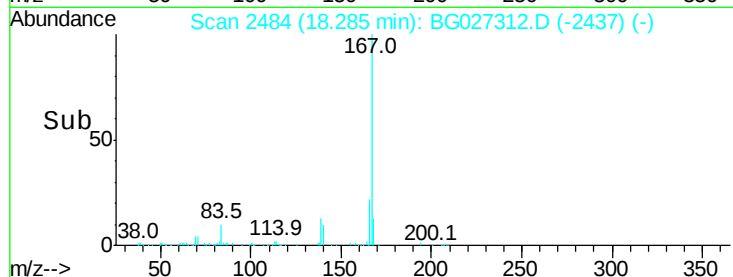
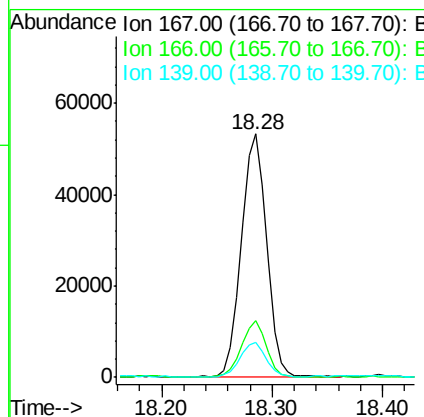
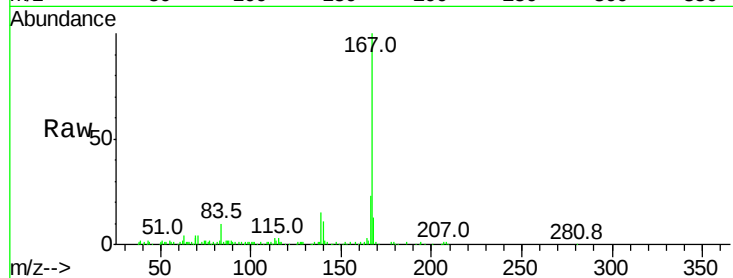
ClientSampleId :

R1-MW-6

Tot Ion:	167	Resp:	86557
Ion Ratio	Lower	Upper	
167	100		
166	23.1	20.2	30.2
139	14.6	12.8	19.2

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#75

Chrysene-d12

Concen: 20.00 ng

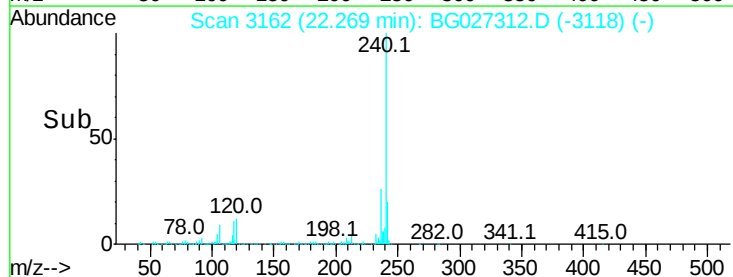
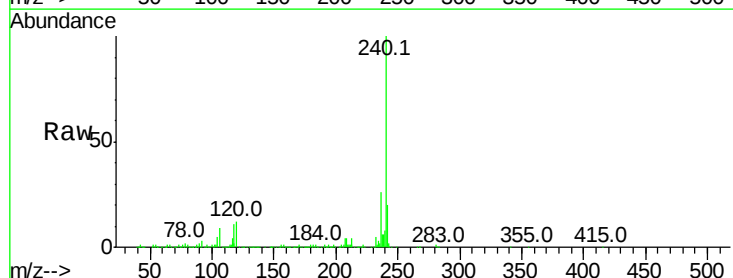
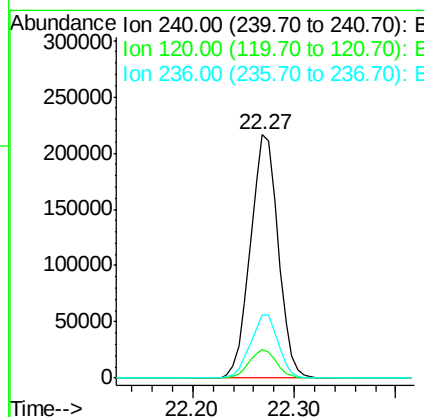
RT: 22.27 min Scan# 3162

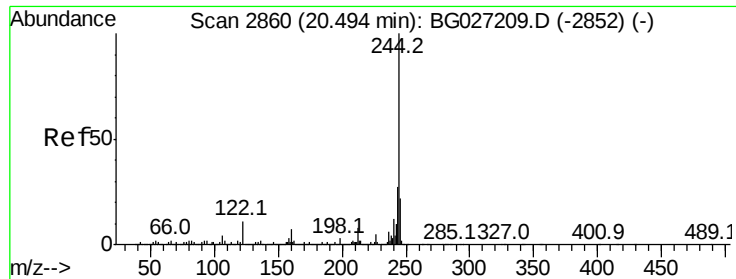
Delta R.T. -0.04 min

Lab File: BG027312.D

Acq: 8 Jun 2017 10:43

Tgt Ion:	240	Resp:	413061
Ion Ratio	Lower	Upper	
240	100		
120	11.9	5.7	8.5#
236	25.7	22.2	33.4





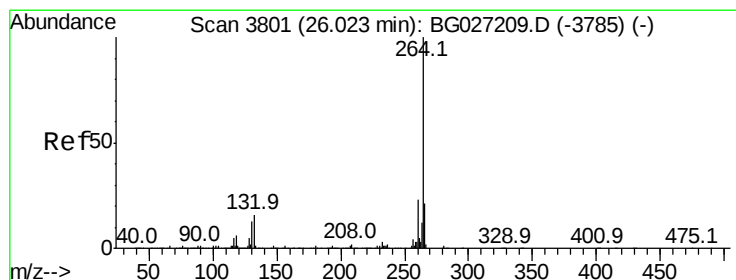
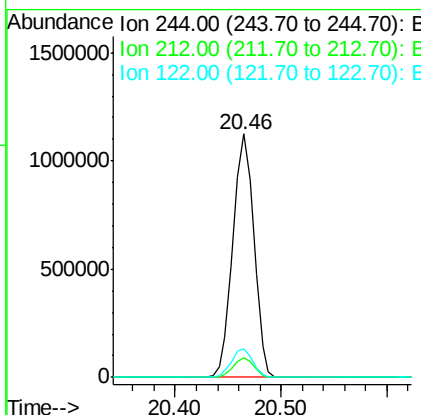
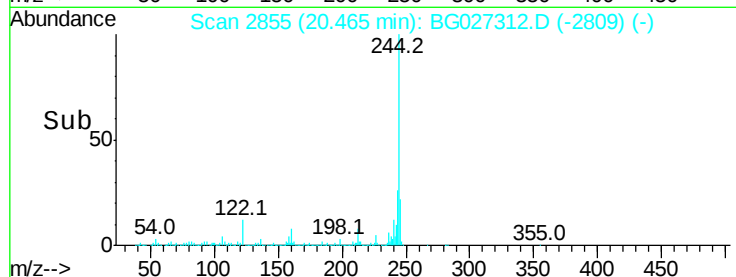
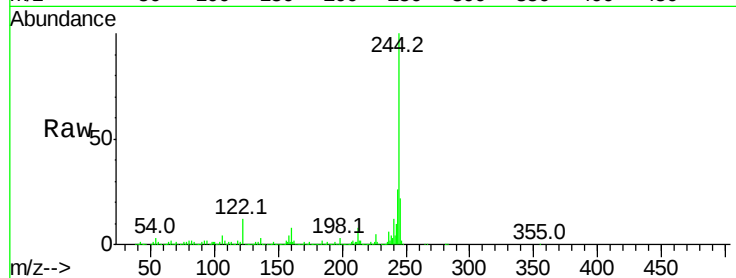
#78
 Terphenyl-d14
 Concen: 95.26 ng
 RT: 20.46 min Scan# 2855
 Delta R.T. -0.03 min
 Lab File: BG027312.D
 Acq: 8 Jun 2017 10:43

Instrument :
 BNA_G
 ClientSampleId :
 R1-MW-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	10.0	15.0#
122	11.7	8.6	12.8

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.95 min Scan# 3789
 Delta R.T. -0.07 min
 Lab File: BG027312.D
 Acq: 8 Jun 2017 10:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.8	32.8
265	22.0	18.2	27.4

