

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
 Data File : BG041178.D
 Acq On : 11 Jun 2019 00:37
 Operator : HP/JU
 Sample : K3214-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1ADL

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:40:09 AM

Quant Time: Jun 11 05:49:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	46888	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	187857	20.00	ng	0.01
39) Acenaphthene-d10	14.74	164	135517	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	324176	20.00	ng	0.00
76) Chrysene-d12	21.76	240	322396	20.00	ng	0.00
87) Perylene-d12	25.09	264	339068	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	15769	6.06	ng	0.01
7) Phenol-d6	7.26	99	13937	3.47	ng	0.02
23) Nitrobenzene-d5	9.29	82	37364	8.83	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	24933	12.39	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	86501	9.19	ng	0.00
79) Terphenyl-d14	20.07	244	147175	9.69	ng	0.00

Target Compounds					Qvalue	
6) Aniline	7.43	93	79174	14.771	ng	95
10) Phenol	7.29	94	11373	2.641	ng	91
17) 2-Methylphenol	8.55	107	96324	30.897	ng	91
20) 3+4-Methylphenols	8.89	107	127847	29.605	ng	96
22) Acetophenone	8.94	105	15653	2.970	ng	# 95
27) 2,4-Dimethylphenol	10.11	122	791408m	269.542	ng	
31) Naphthalene	11.01	128	5002554	495.979	ng	# 69
37) 2-Methylnaphthalene	12.58	142	787638	101.392	ng	99
38) 1-Methylnaphthalene	12.80	142	454428m	62.078	ng	
46) 1,1'-Biphenyl	13.58	154	106991	10.666	ng	99
52) Acenaphthene	14.80	154	100000	12.736	ng	97
55) Dibenzofuran	15.14	168	125011	9.462	ng	97
58) Fluorene	15.78	166	58147	5.526	ng	96
71) Phenanthrene	17.53	178	45673	2.705	ng	98
73) Carbazole	17.89	167	40375	2.825	ng	99

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

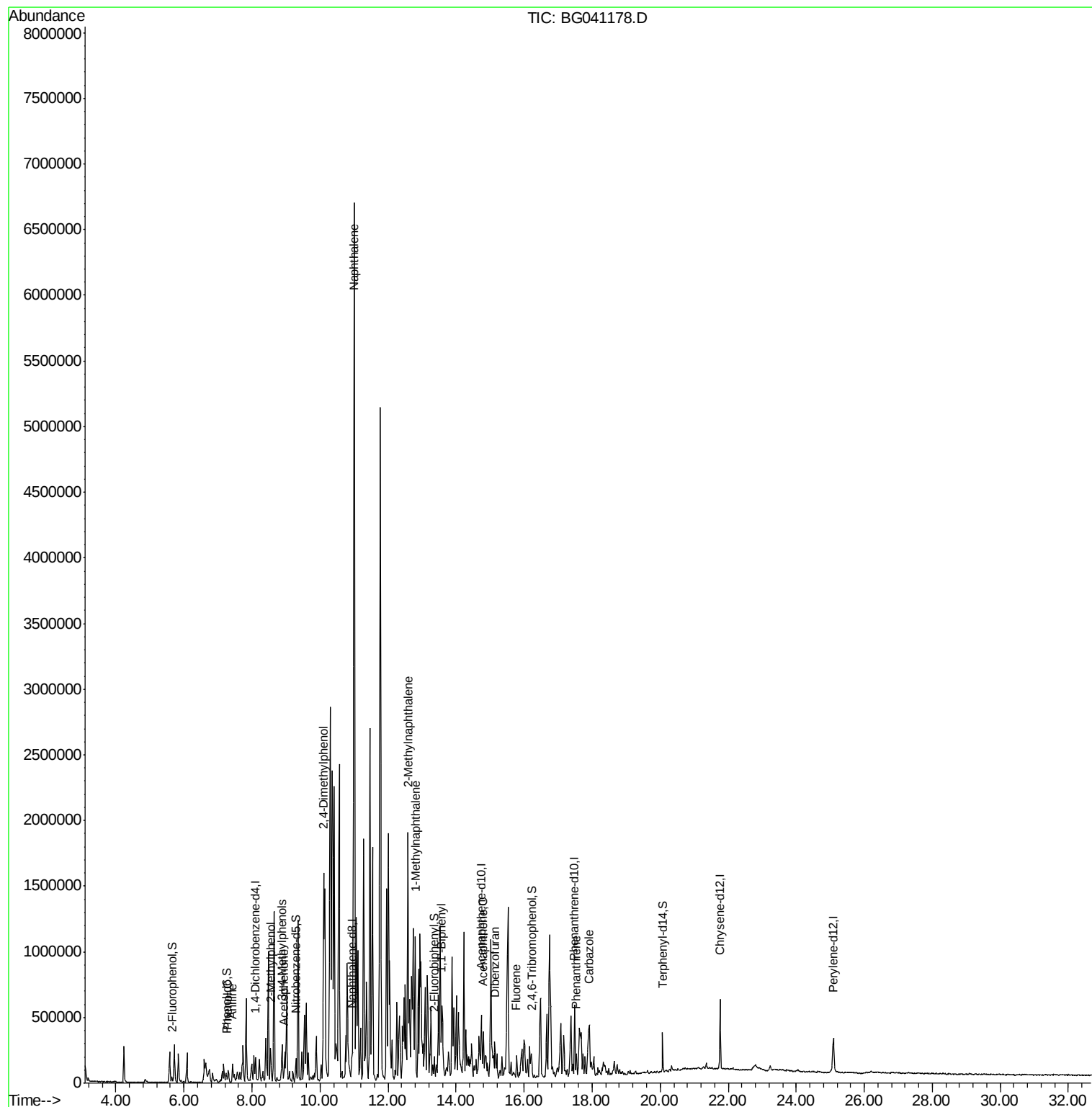
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041178.D
Acq On : 11 Jun 2019 00:37
Operator : HP/JU
Sample : K3214-01DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

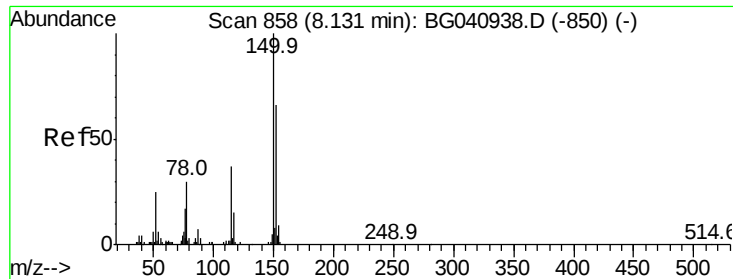
Instrument :
BNA_G
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MW-1ADL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

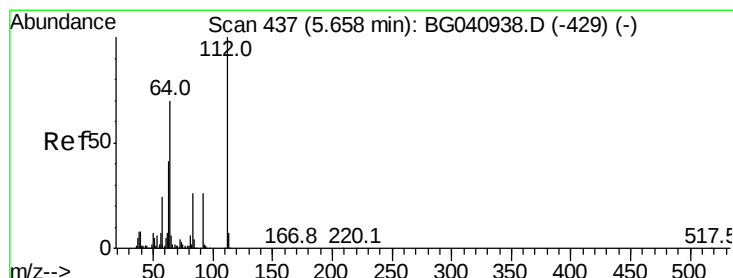
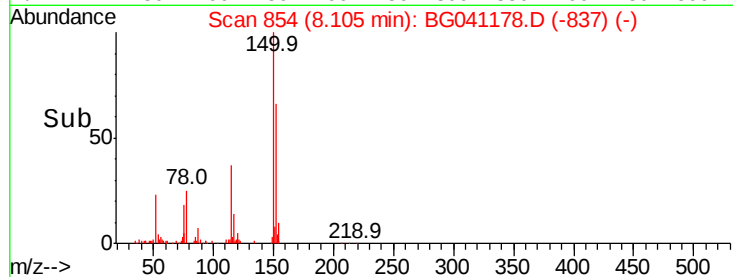
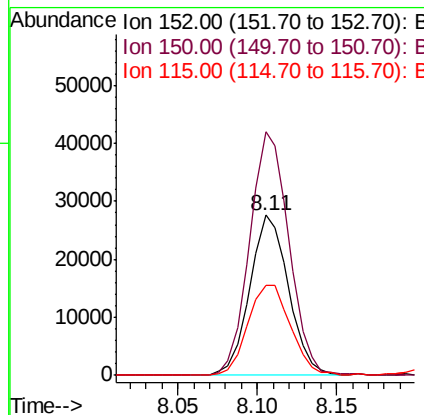
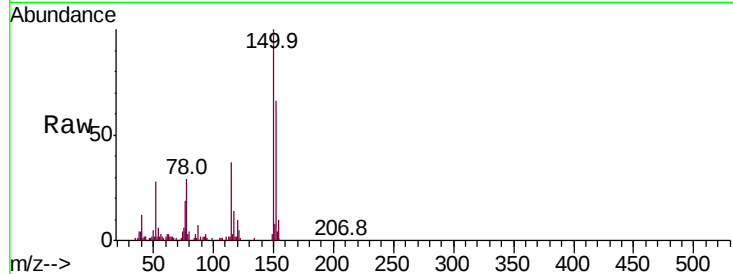
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampled :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	120.6	180.8
115	56.4	45.1	67.7

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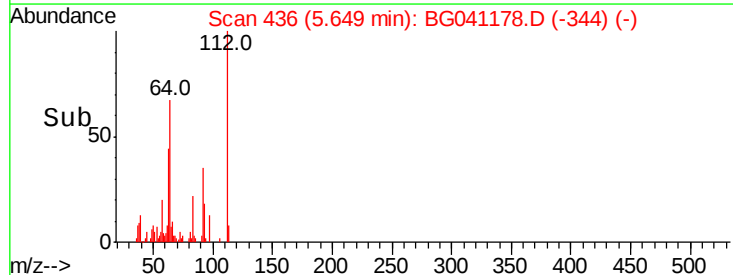
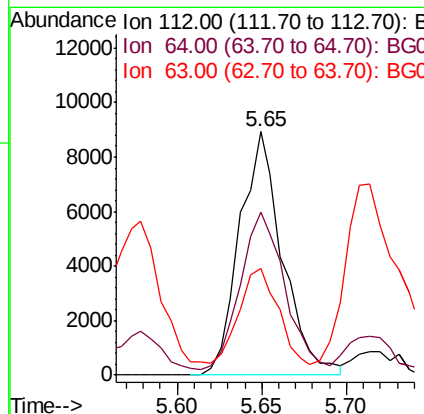
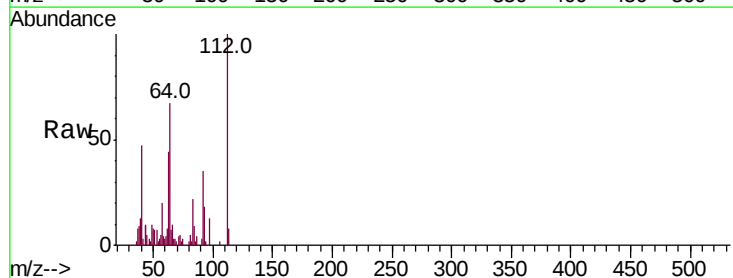
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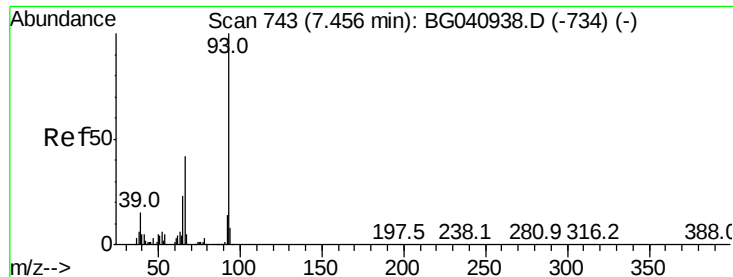


#5

2-Fluorophenol
Concen: 6.064 ng
RT: 5.65 min Scan# 436
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	56.2	84.2
63	43.8	32.8	49.2





#6

Aniline

Concen: 14.771 ng

RT: 7.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Instrument :

BNA_G

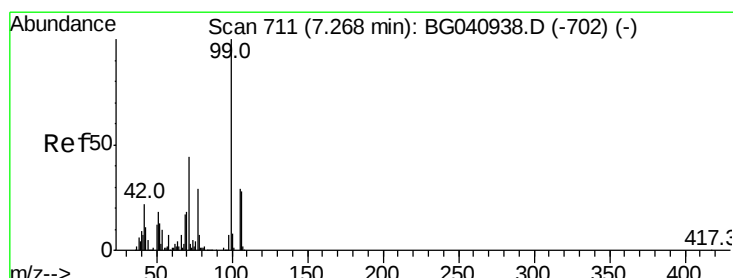
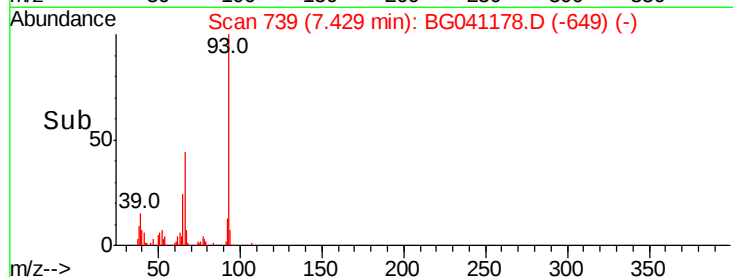
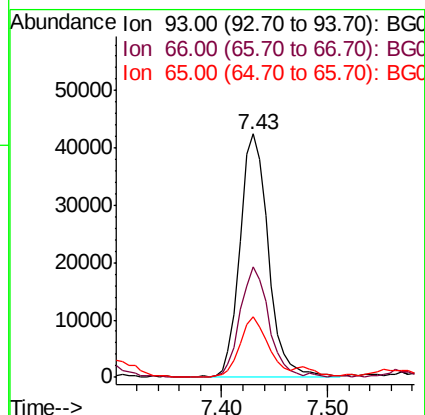
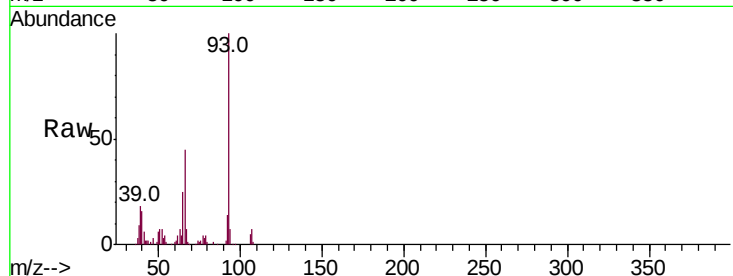
ClientSampleId :

MW-1ADL

Tot Ion:	93	Resp:	79174
Ion	Ratio	Lower	Upper
93	100		
66	45.2	33.8	50.8
65	25.1	18.3	27.5

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#7

Phenol-d6

Concen: 3.471 ng

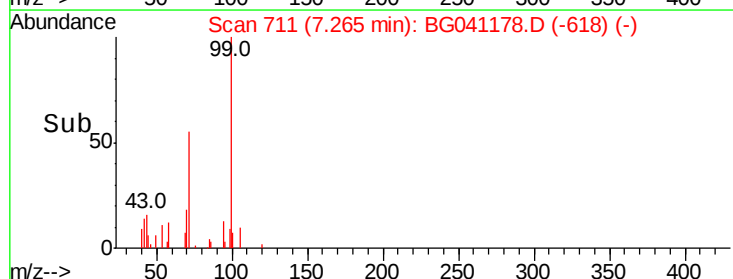
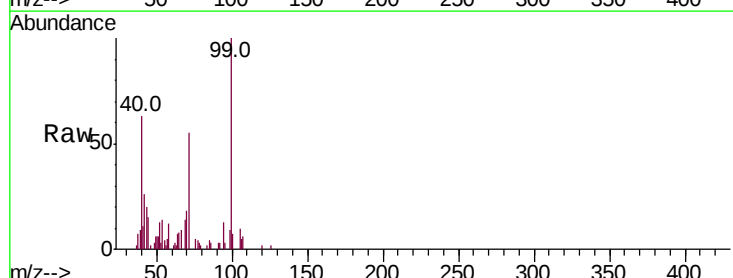
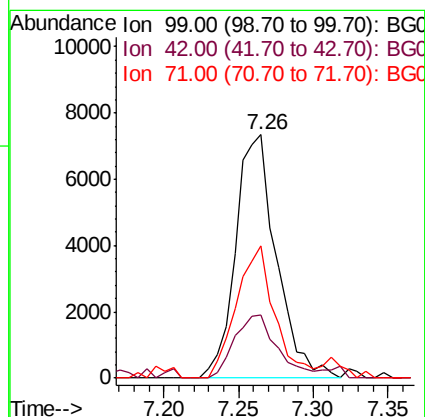
RT: 7.26 min Scan# 711

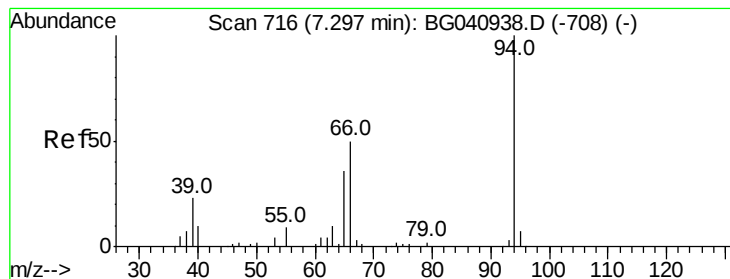
Delta R.T. 0.02 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Tgt Ion:	99	Resp:	13937
Ion	Ratio	Lower	Upper
99	100		
42	26.0	17.9	26.9
71	54.5	35.4	53.0#





#10

Phenol

Concen: 2.641 ng

RT: 7.29 min Scan# 715

Delta R.T. 0.01 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

Tot Ion: 94 Resp: 11373

Ion Ratio Lower Upper

94 100

65 29.9 17.0 57.0

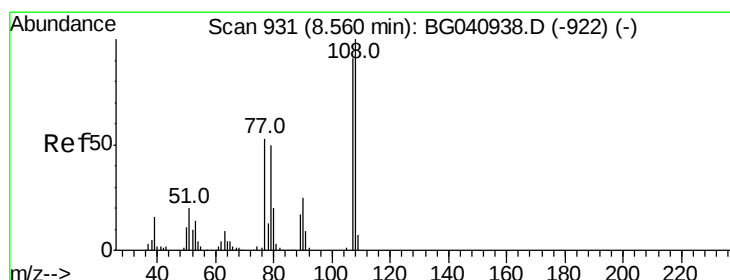
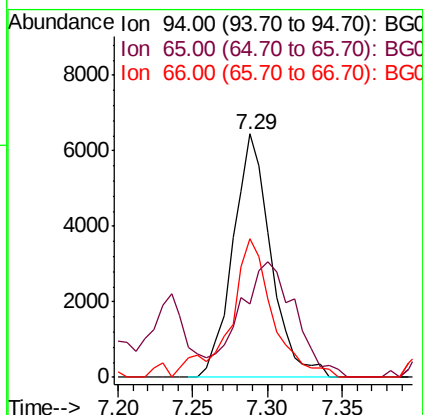
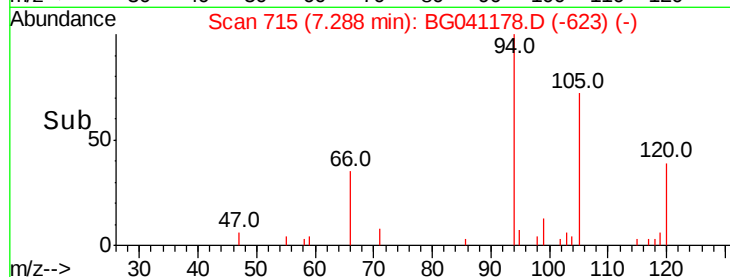
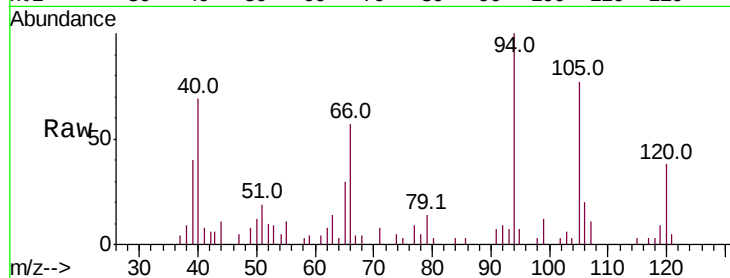
66 57.1 32.4 72.4

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#17

2-Methylphenol

Concen: 30.897 ng

RT: 8.55 min Scan# 929

Delta R.T. 0.01 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Tgt Ion: 107 Resp: 96324

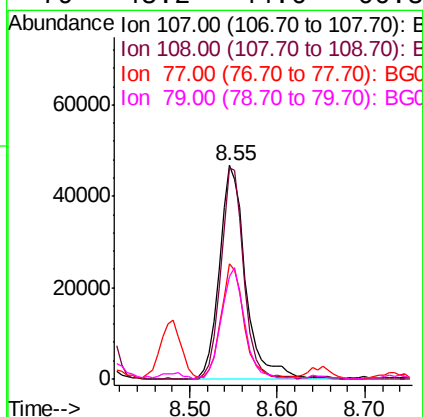
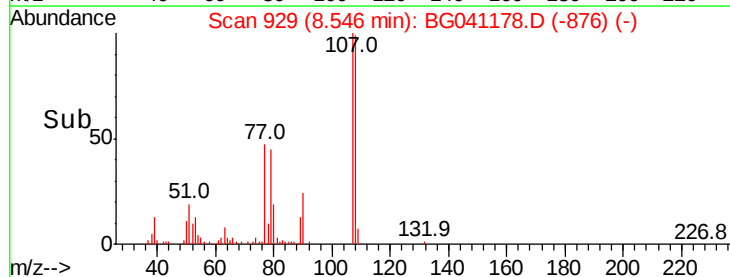
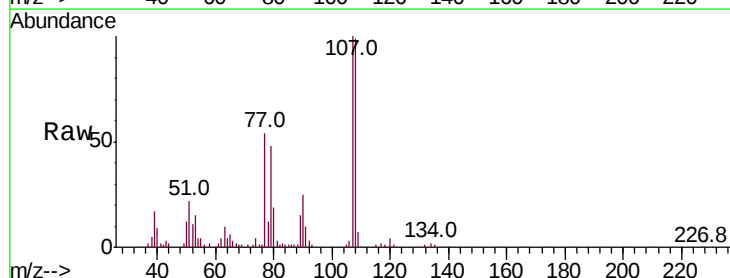
Ion Ratio Lower Upper

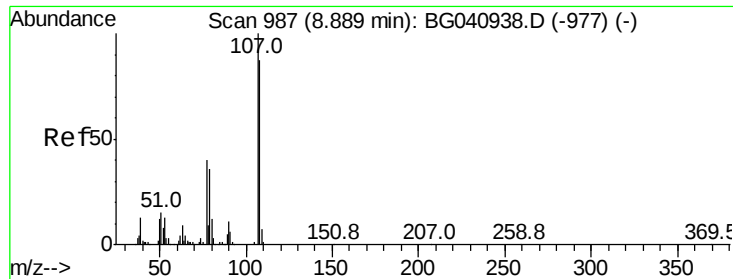
107 100

108 98.7 87.7 131.5

77 53.8 46.6 70.0

79 48.2 44.6 66.8





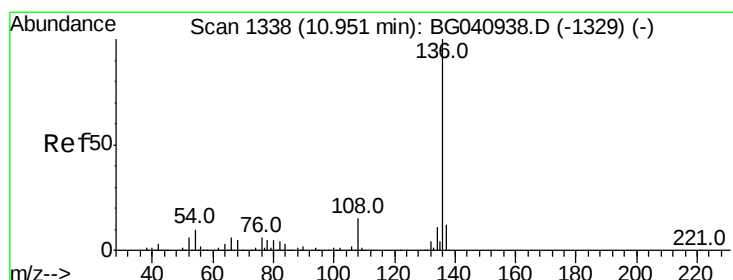
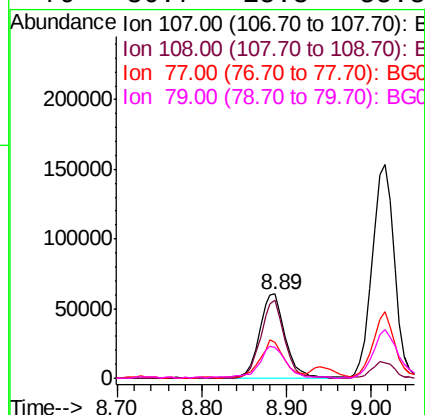
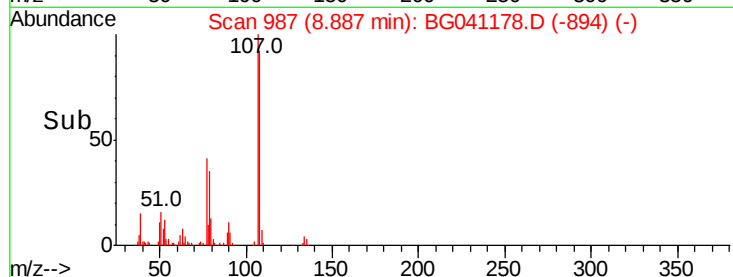
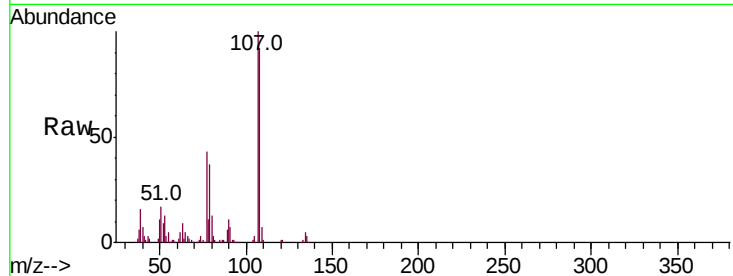
#20
3+4-Methylphenols
Concen: 29.605 ng
RT: 8.89 min Scan# 987
Delta R.T. 0.02 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	127847		
108	92.1	66.8	106.8	
77	43.3	20.5	60.5	
79	36.7	15.8	55.8	

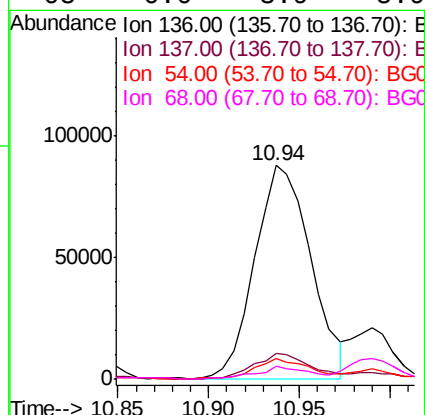
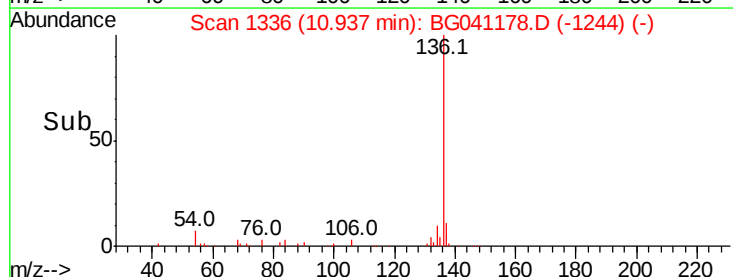
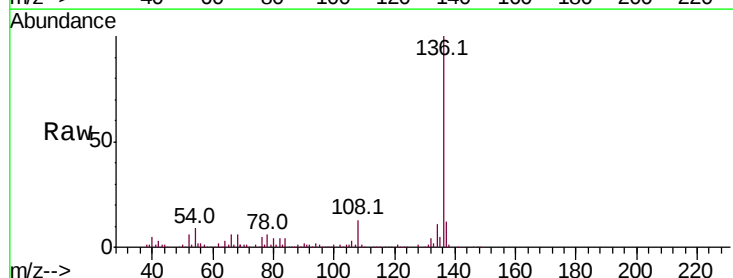
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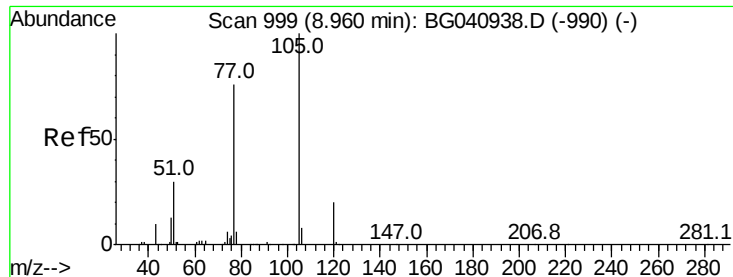
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	187857		
137	12.1	9.5	14.3	
54	9.5	7.6	11.4	
68	6.0	3.9	5.9	





#22

Acetophenone

Concen: 2.970 ng

RT: 8.94 min Scan# 996

Delta R.T. 0.01 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Instrument :

BNA_G

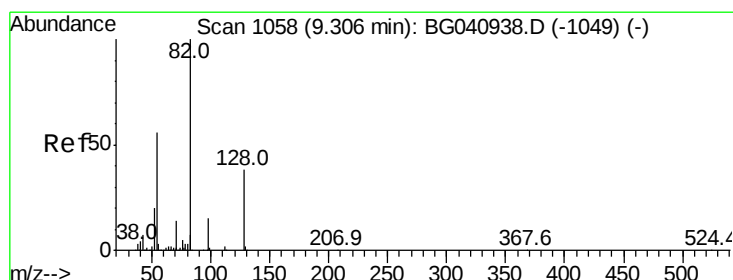
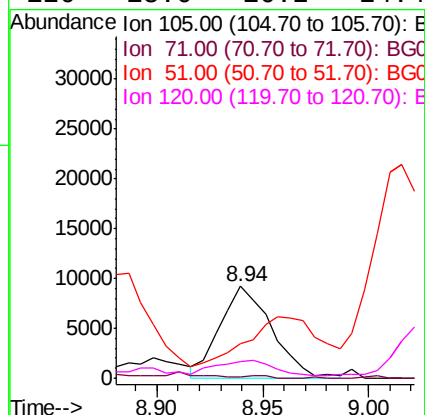
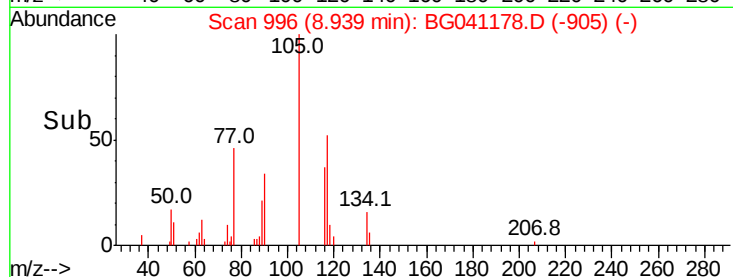
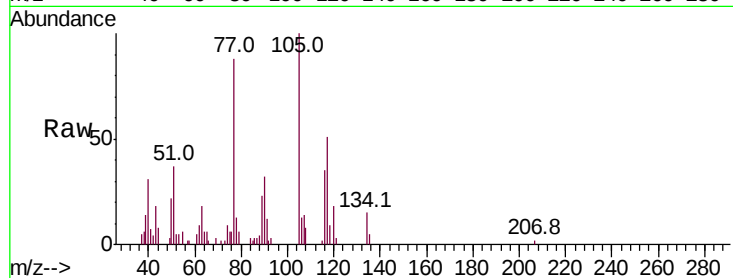
ClientSampleId :

MW-1ADL

Tot Ion	Ratio	Lower	Upper
105	100		
71	2.0	0.4	0.6#
51	37.1	27.0	40.6
120	18.0	16.2	24.4

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#23

Nitrobenzene-d5

Concen: 8.830 ng

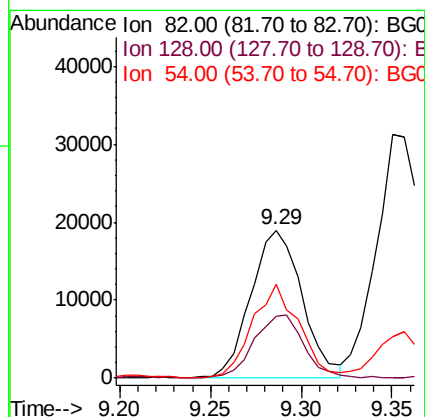
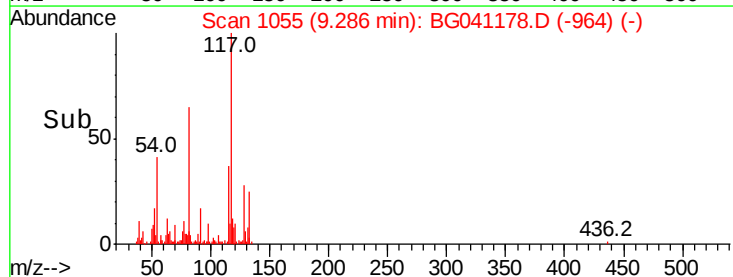
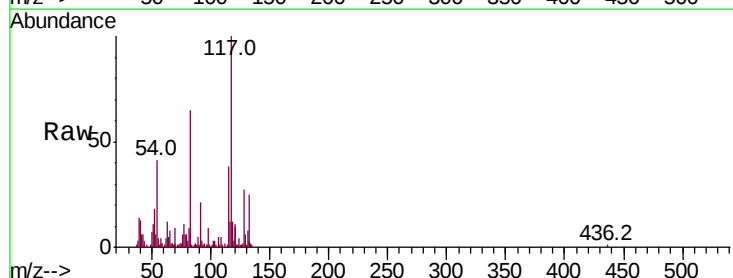
RT: 9.29 min Scan# 1055

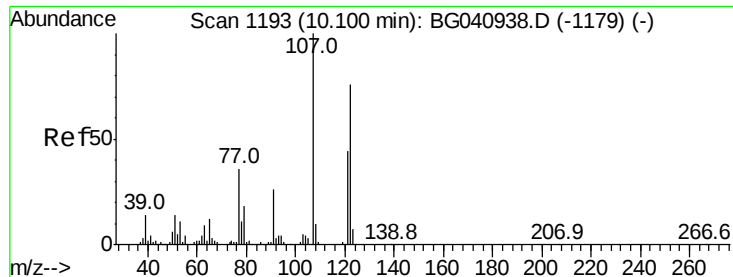
Delta R.T. 0.01 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	30.5	45.7
54	63.4	44.6	66.8





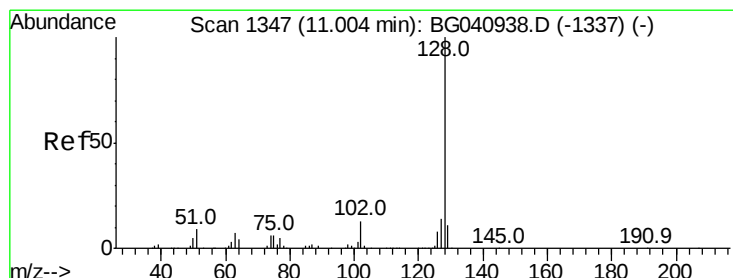
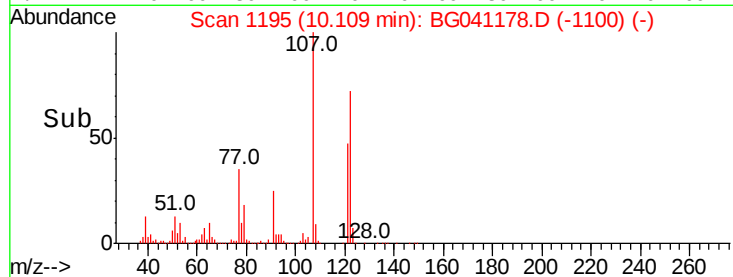
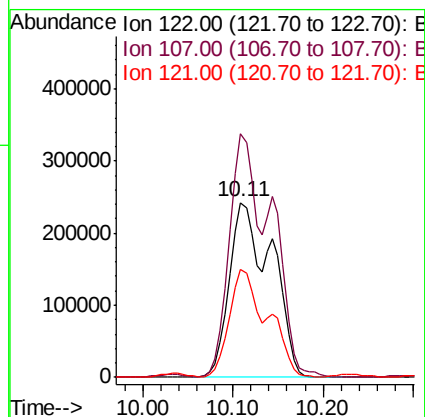
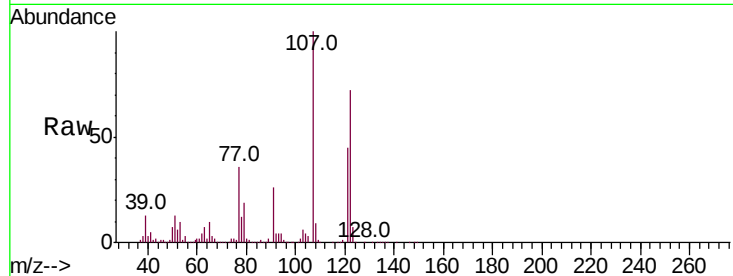
#27
2,4-Dimethylphenol
Concen: 269.542 ng/ml
RT: 10.11 min Scan# 1195
Delta R.T. 0.03 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
122	100		
107	139.0	105.9	158.9
121	62.0	46.2	69.4

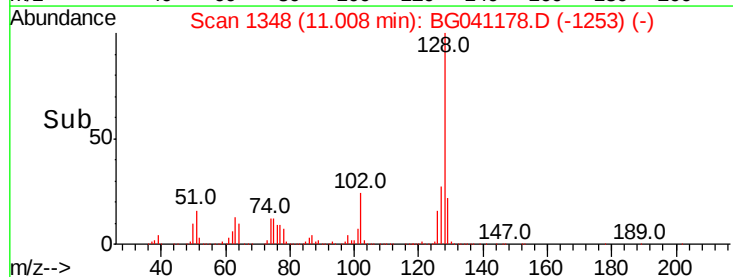
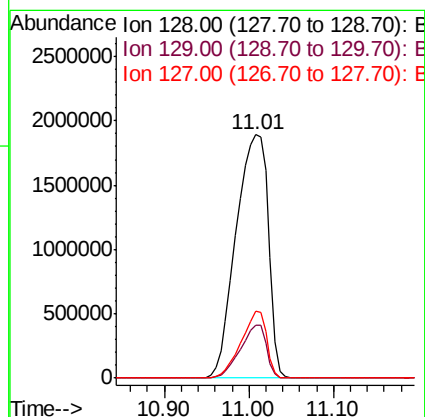
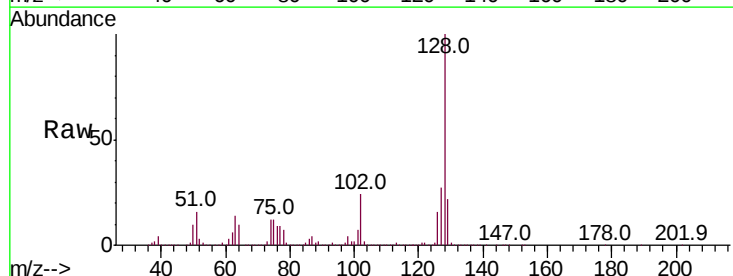
Manual Integrations
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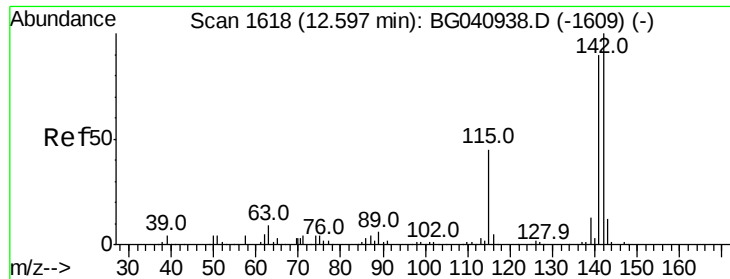
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#31
Naphthalene
Concen: 495.979 ng
RT: 11.01 min Scan# 1348
Delta R.T. 0.03 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	21.9	8.5	12.7#
127	27.4	11.4	17.2#





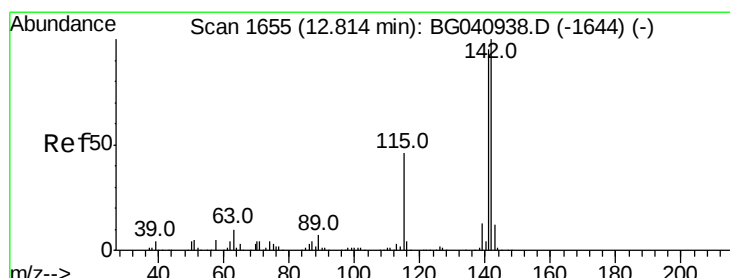
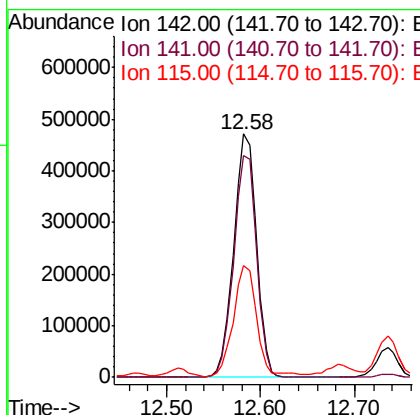
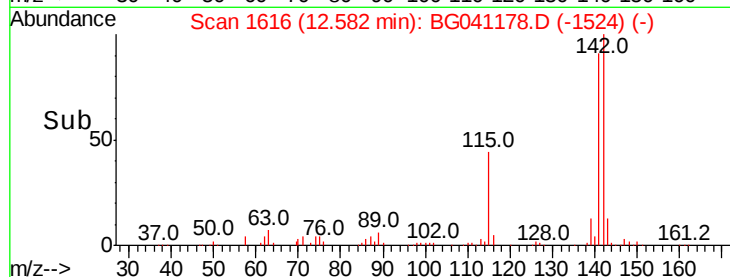
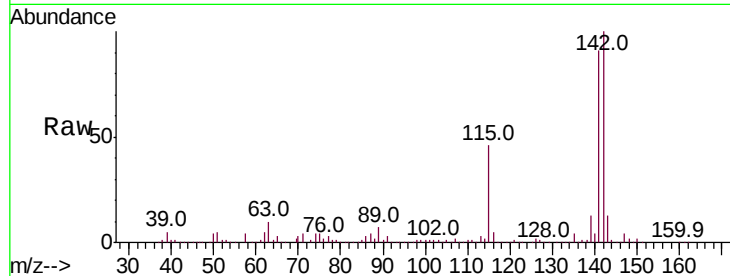
#37
2-Methylnaphthalene
Concen: 101.392 ng
RT: 12.58 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.4
115	45.7	36.2	54.4

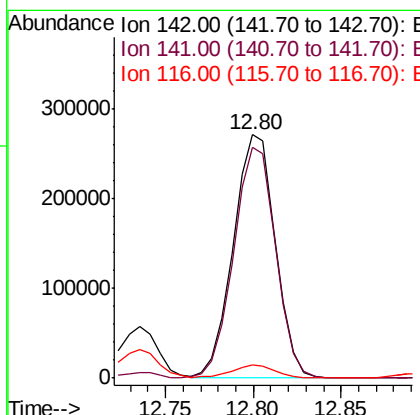
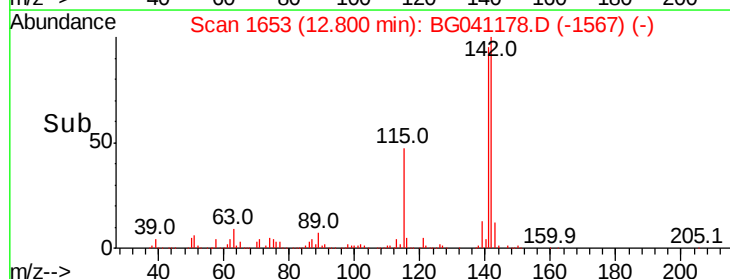
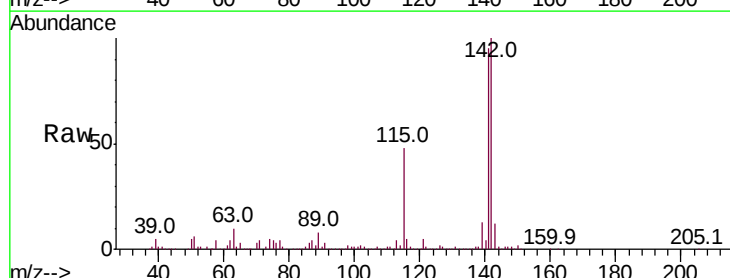
Manual Integrations
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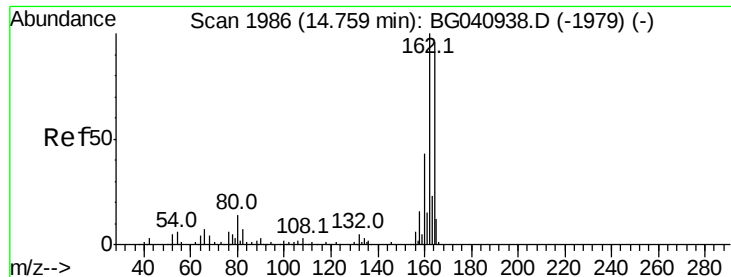
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#38
1-Methylnaphthalene
Concen: 62.078 ng m
RT: 12.80 min Scan# 1653
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	75.7	113.5
116	5.3	3.4	5.2#





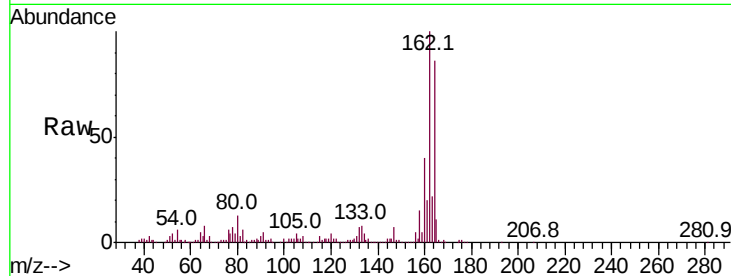
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampled :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
164	100		
162	116.0	83.0	124.4
160	46.6	35.6	53.4

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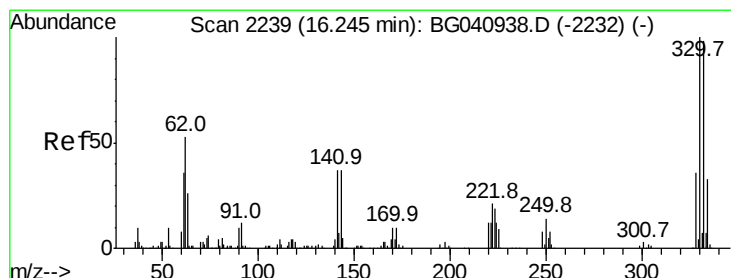
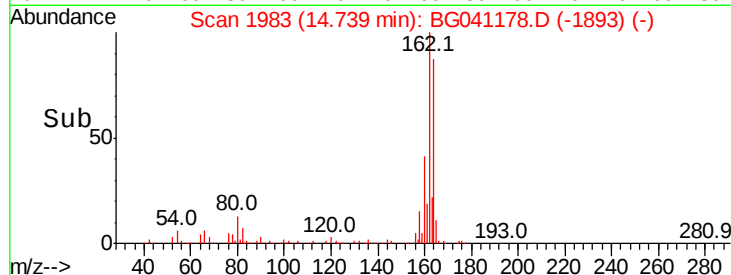
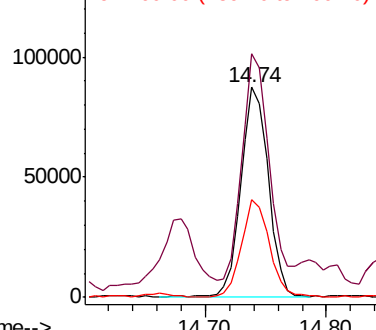


Abundance

Ion 164.00 (163.70 to 164.70): E

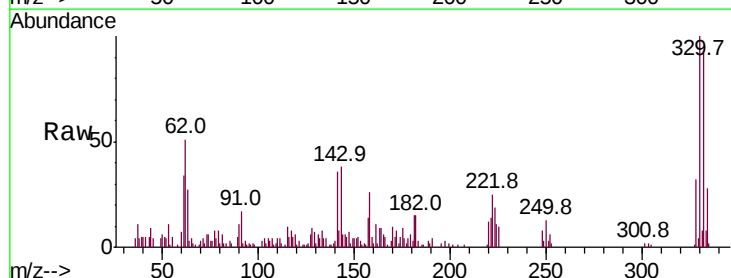
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 12.393 ng
RT: 16.23 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.9	78.5	117.7
141	50.2	28.7	43.1#

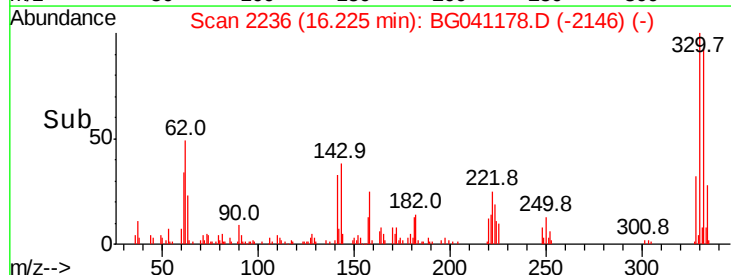
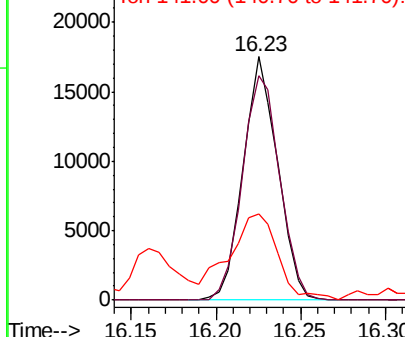


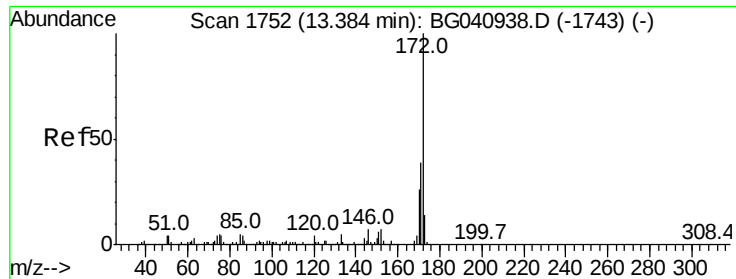
Abundance

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





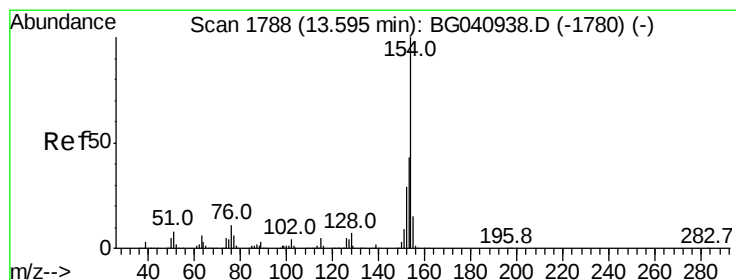
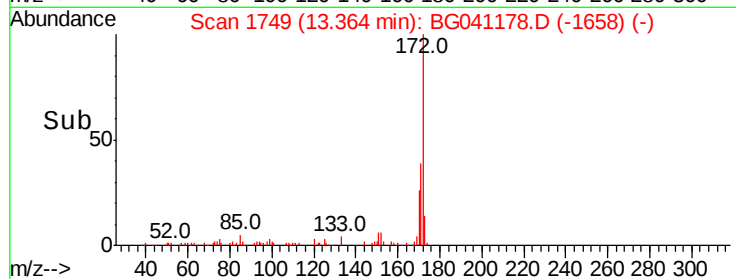
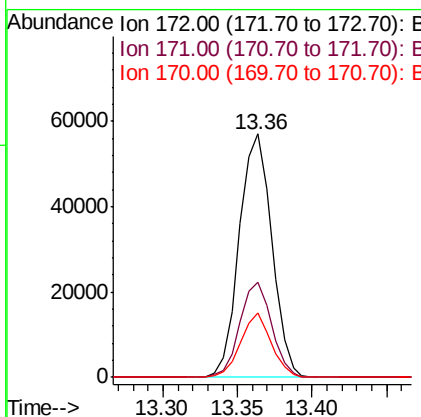
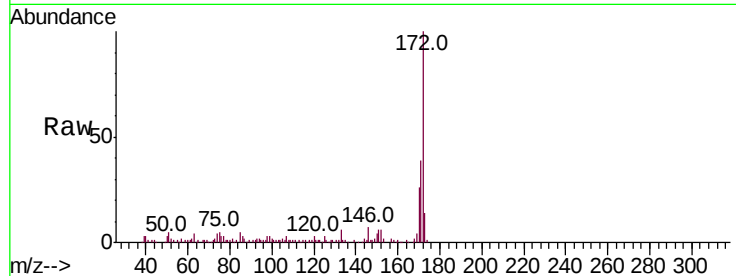
#45
2-Fluorobiphenyl
Concen: 9.192 ng
RT: 13.36 min Scan# 1749
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	38.9	31.1	46.7
170	26.3	20.5	30.7

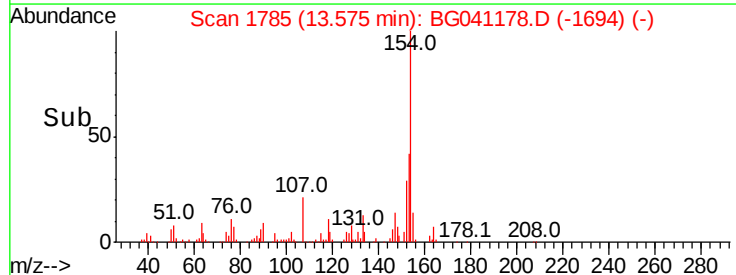
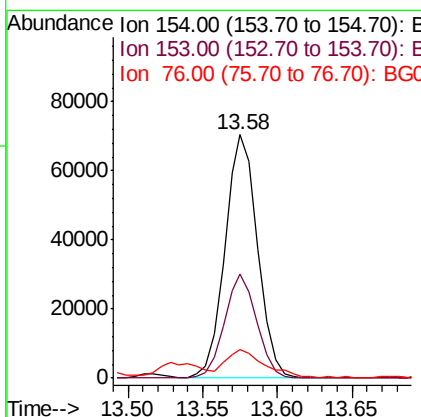
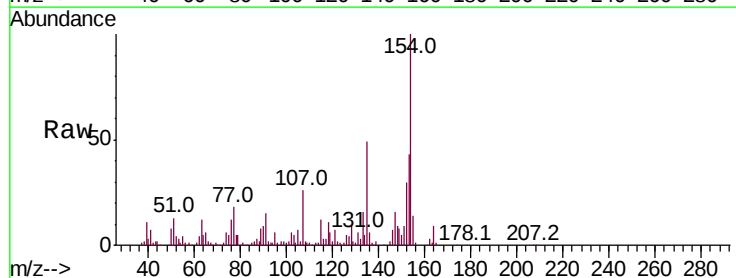
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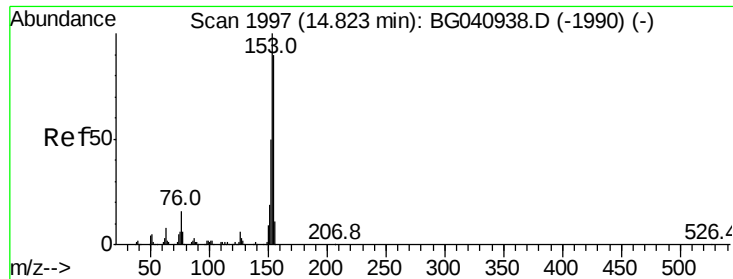
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#46
1,1'-Biphenyl
Concen: 10.666 ng
RT: 13.58 min Scan# 1785
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	42.6	23.3	63.3
76	11.7	0.0	31.1





#52

Acenaphthene

Concen: 12.736 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Instrument :

BNA_G

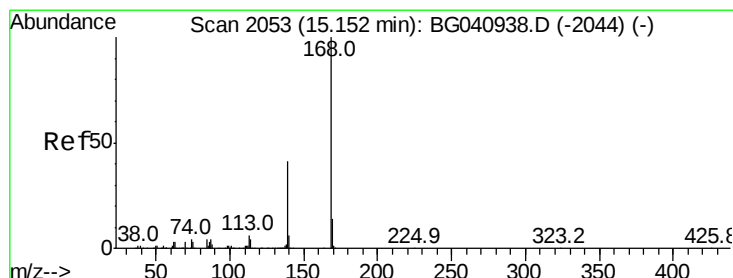
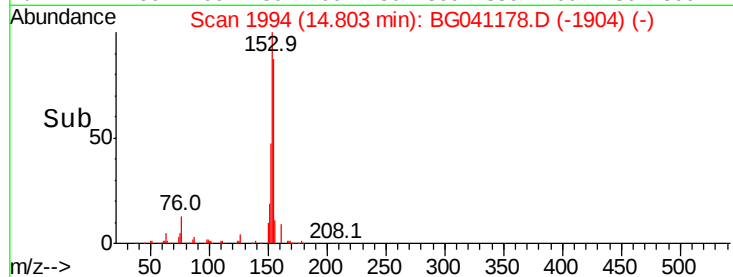
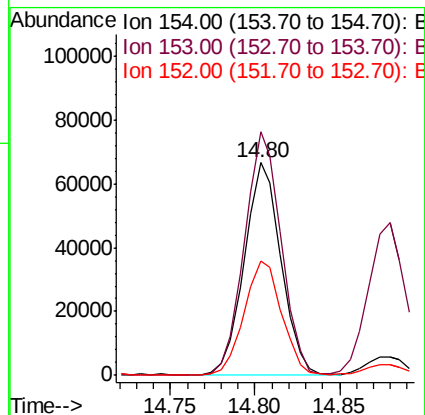
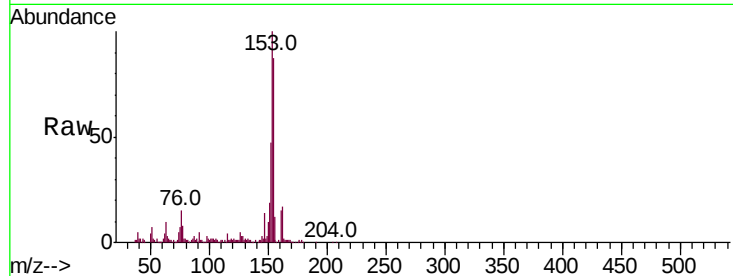
ClientSampled :

MW-1ADL

Tot Ion:	154	Resp:	100000
Ion Ratio	Lower	Upper	
154	100		
153	114.4	88.6	133.0
152	53.9	44.2	66.4

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#55

Dibenzofuran

Concen: 9.462 ng

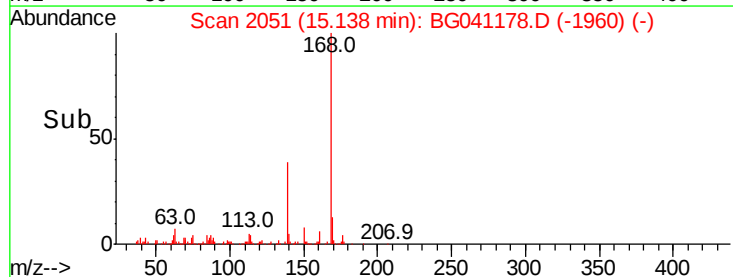
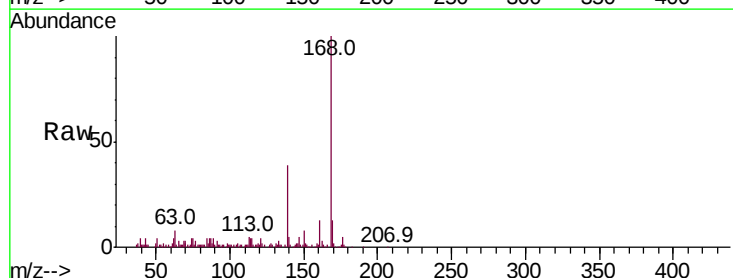
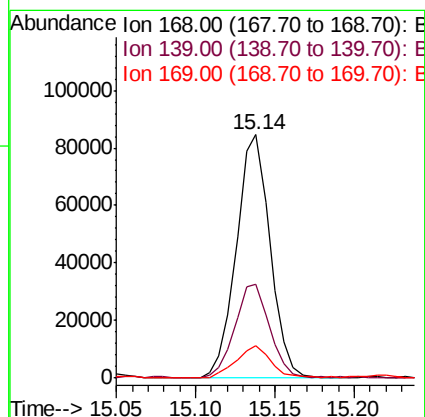
RT: 15.14 min Scan# 2051

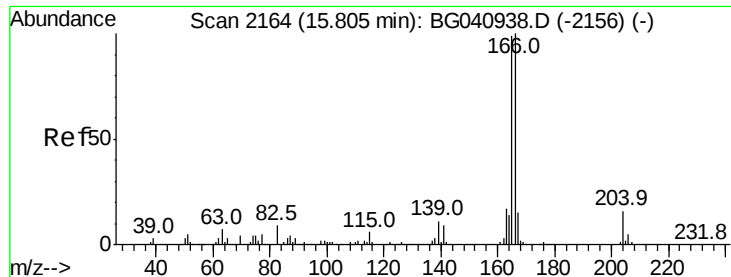
Delta R.T. 0.01 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Tgt Ion:	168	Resp:	125011
Ion Ratio	Lower	Upper	
168	100		
139	38.7	32.8	49.2
169	13.1	11.3	16.9





#58

Fluorene

Concen: 5.526 ng

RT: 15.78 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

Tot Ion:166 Resp: 58147

Ion Ratio Lower Upper

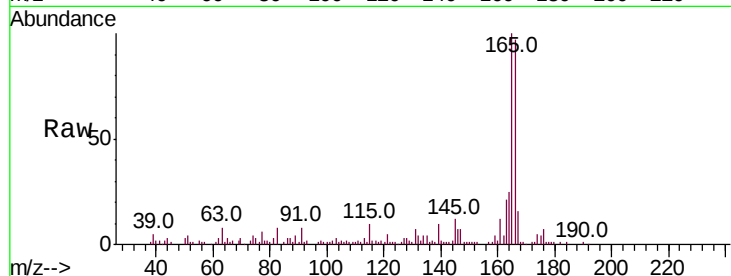
166 100

165 102.6 79.2 118.8

167 16.5 11.8 17.6

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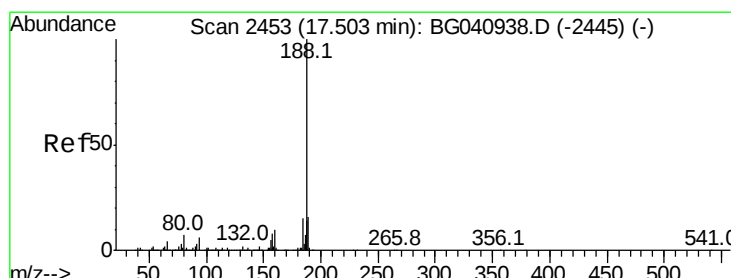
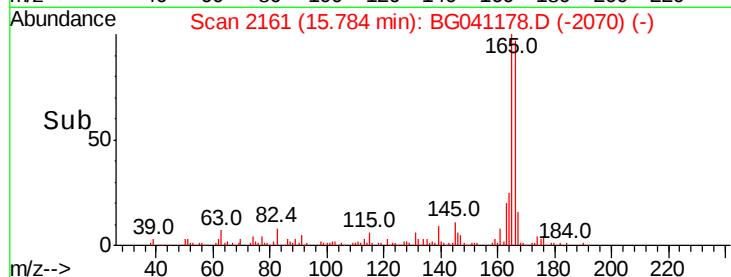
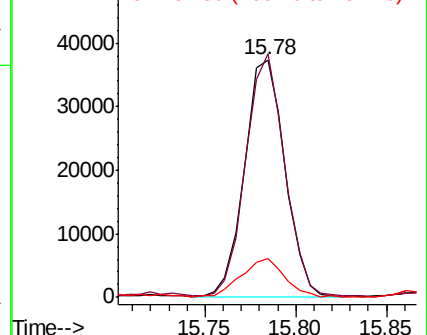


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

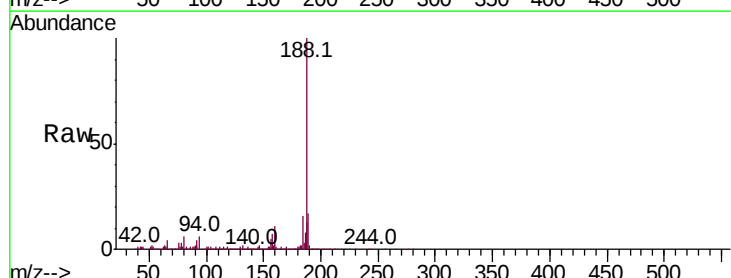
Tgt Ion:188 Resp: 324176

Ion Ratio Lower Upper

188 100

94 5.8 4.7 7.1

80 6.5 5.8 8.8

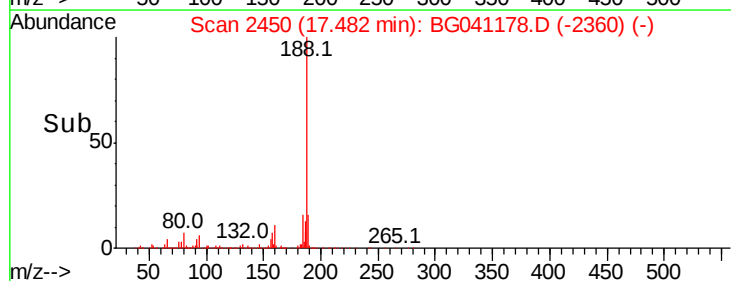
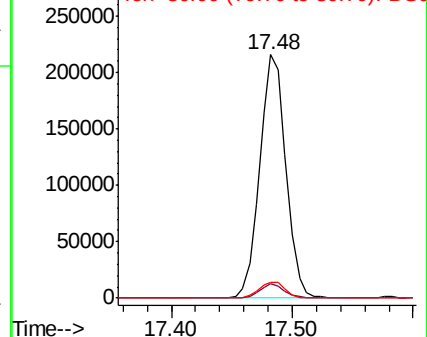


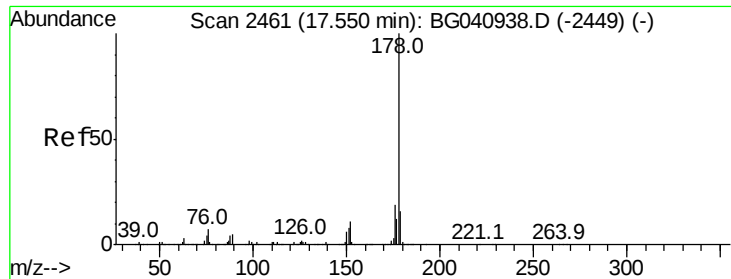
Abundance

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





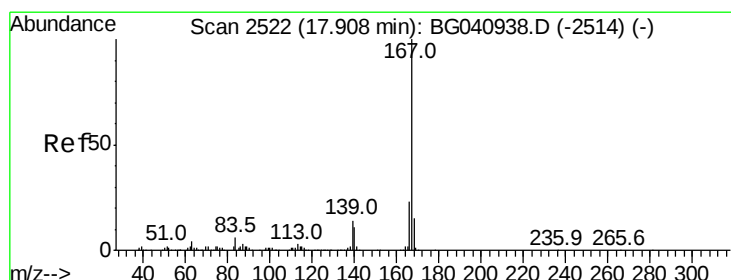
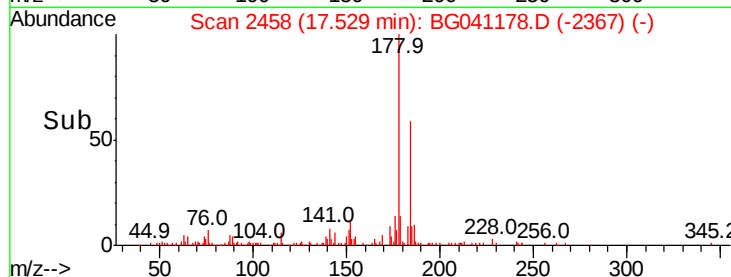
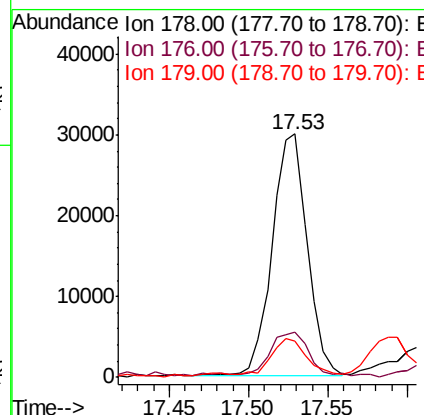
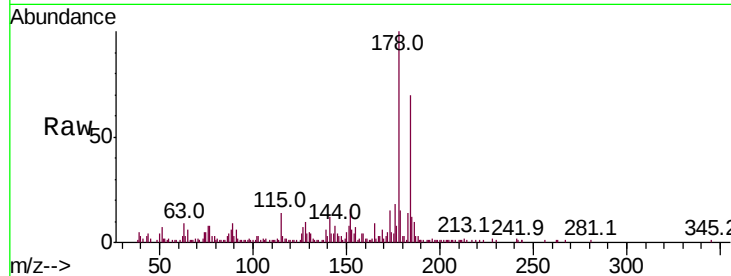
#71
Phenanthrene
Concen: 2.705 ng
RT: 17.53 min Scan# 2458
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Instrument :
BNA_G
ClientSampleId :
MW-1ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	14.9	12.7	19.1

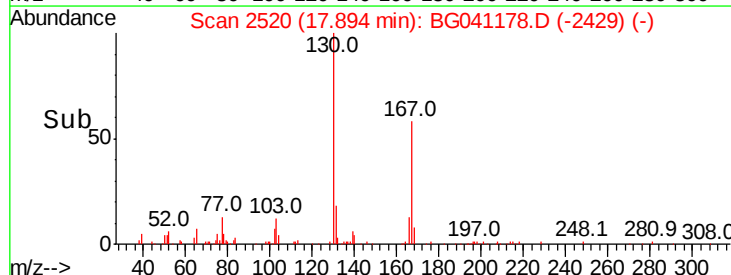
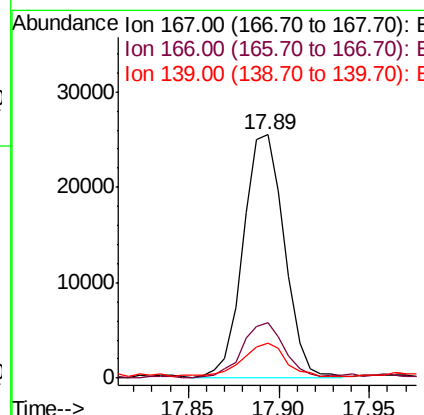
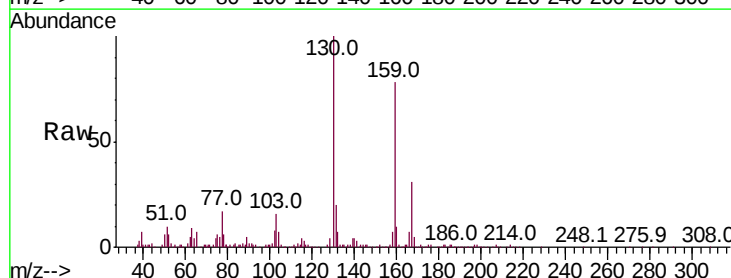
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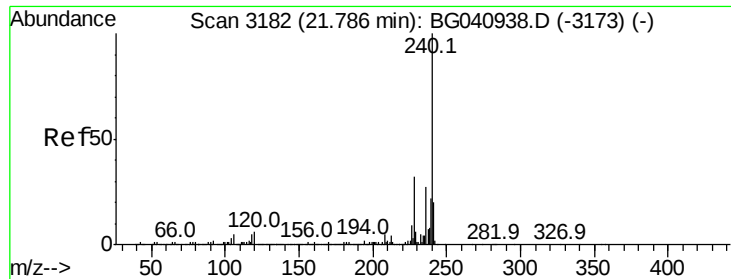
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#73
Carbazole
Concen: 2.825 ng
RT: 17.89 min Scan# 2520
Delta R.T. 0.01 min
Lab File: BG041178.D
Acq: 11 Jun 2019 00:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.2	27.4
139	14.4	10.8	16.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Instrument :

BNA_G

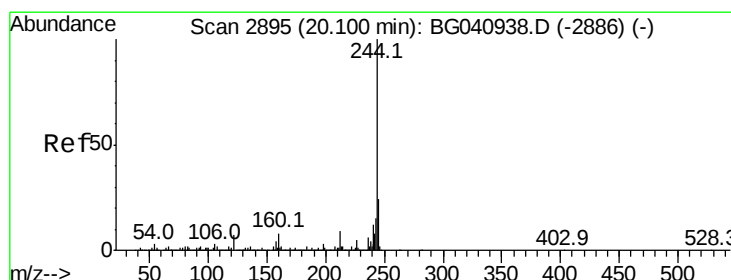
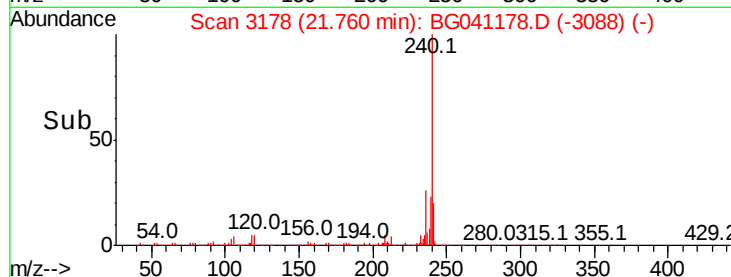
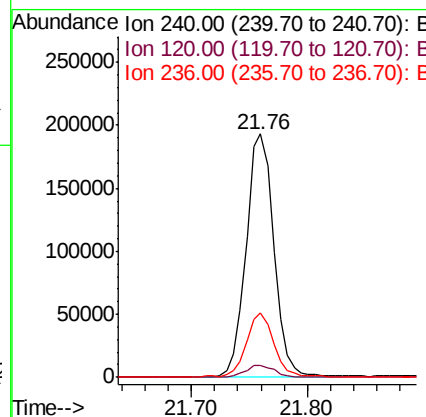
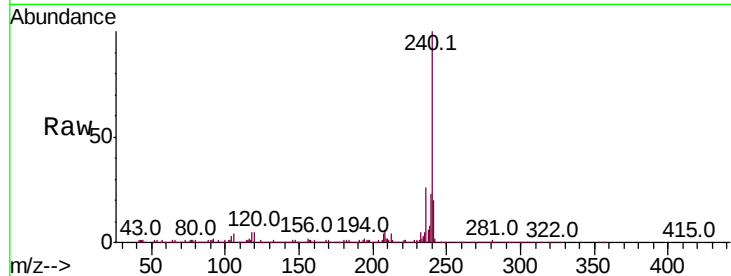
ClientSampleId :

MW-1ADL

Tot Ion:	240	Resp:	322396
Ion Ratio	Lower	Upper	
240	100		
120	4.8	4.5	6.7
236	26.4	21.3	31.9

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#79

Terphenyl-d14

Concen: 9.689 ng

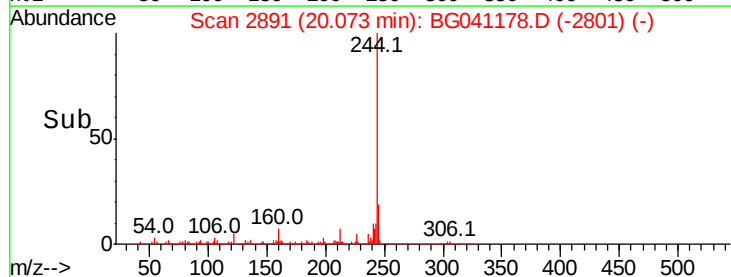
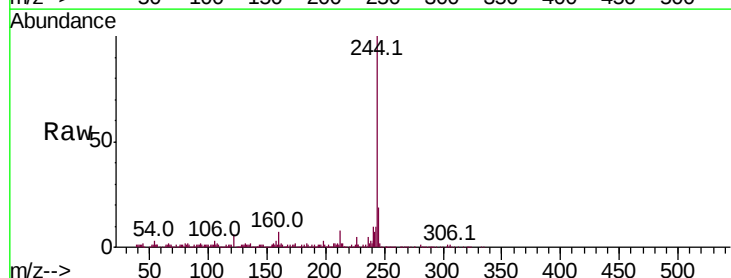
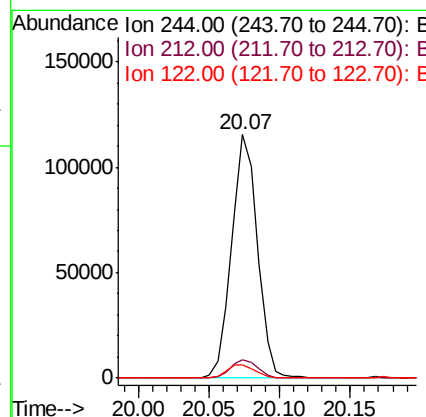
RT: 20.07 min Scan# 2891

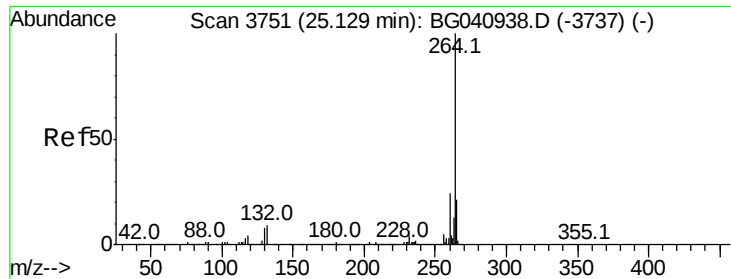
Delta R.T. 0.00 min

Lab File: BG041178.D

Acq: 11 Jun 2019 00:37

Tgt Ion:	244	Resp:	147175
Ion Ratio	Lower	Upper	
244	100		
212	7.8	7.0	10.4
122	5.7	5.4	8.0





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.09 min Scan# 3745
 Delta R.T. 0.01 min
 Lab File: BG041178.D
 Acq: 11 Jun 2019 00:37

Instrument :
 BNA_G
 ClientSampleId :
 MW-1ADL

Tot Ion:	264	Resp:	339068
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.0	28.4
265	21.5	17.0	25.4

Manual Integrations
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