

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
 Data File : BG025254.D
 Acq On : 17 Dec 2016 1:12
 Operator : UM/SJ
 Sample : H6040-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W3

Manual Integrations
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umangi
 12/20/2016 10:48:44 AM

Quant Time: Dec 17 05:25:29 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	67467	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	264960	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	183168	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	387471	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	554401	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	583325	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	22828	17.48	ng/uL	-0.01
5) Phenol-d5	7.40	99	140262	24.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	88313	24.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	113368	27.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	128578	26.43	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	57171	30.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	67558	28.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	126396	28.10	ng/ul	0.02
29) 4-Chloroaniline-d4	11.21	131	198249	44.84	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	391268	31.05	ng/ul	0.02
46) Acenaphthylene-d8	14.56	160	457744	33.17	ng/ul	0.00
51) 4-Nitrophenol-d4	15.13	143	109075m	50.37	ng/ul	0.05
57) Fluorene-d10	15.85	176	447769	37.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.00	200	100335	41.88	ng/ul	0.02
70) Anthracene-d10	17.70	188	542477	33.17	ng/ul	0.00
76) Pyrene-d10	19.98	212	672018	29.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	725211	30.68	ng/ul	0.03

Target Compounds

						Ovalue
6) Phenol	7.43	94	64015	10.72	ng/ul#	86
11) 2-Methylphenol	8.69	108	269973	61.38	ng/ul	95
14) Acetophenone	9.07	105	51264	6.93	ng/ul	92
16) 4-Methylphenol	9.03	108	711160	145.33	ng/ul	89
24) 2,4-Dimethylphenol	10.23	107	1410196m	259.89	ng/ul	
28) Naphthalene	11.12	128	854959	69.41	ng/ul	97
34) 2-Methylnaphthalene	12.70	142	915672	94.21	ng/ul	91
40) 1,1'-Biphenyl	13.69	154	223859	20.16	ng/ul	94
44) Dimethylphthalate	14.31	163	98298	7.94	ng/ul#	92
49) Acenaphthene	14.93	153	63789	6.94	ng/ul#	87
53) Dibenzofuran	15.25	168	207370	14.26	ng/ul	96
58) Fluorene	15.91	166	301402	25.47	ng/ul#	98
69) Phenanthrene	17.65	178	312870	16.92	ng/ul	94
71) Anthracene	17.75	178	89086	4.69	ng/ul#	79
72) Carbazole	18.02	167	50170	3.16	ng/ul#	79
74) Fluoranthene	19.64	202	86614	3.94	ng/ul#	94
77) Pyrene	20.01	202	143216	5.37	ng/ul#	96

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

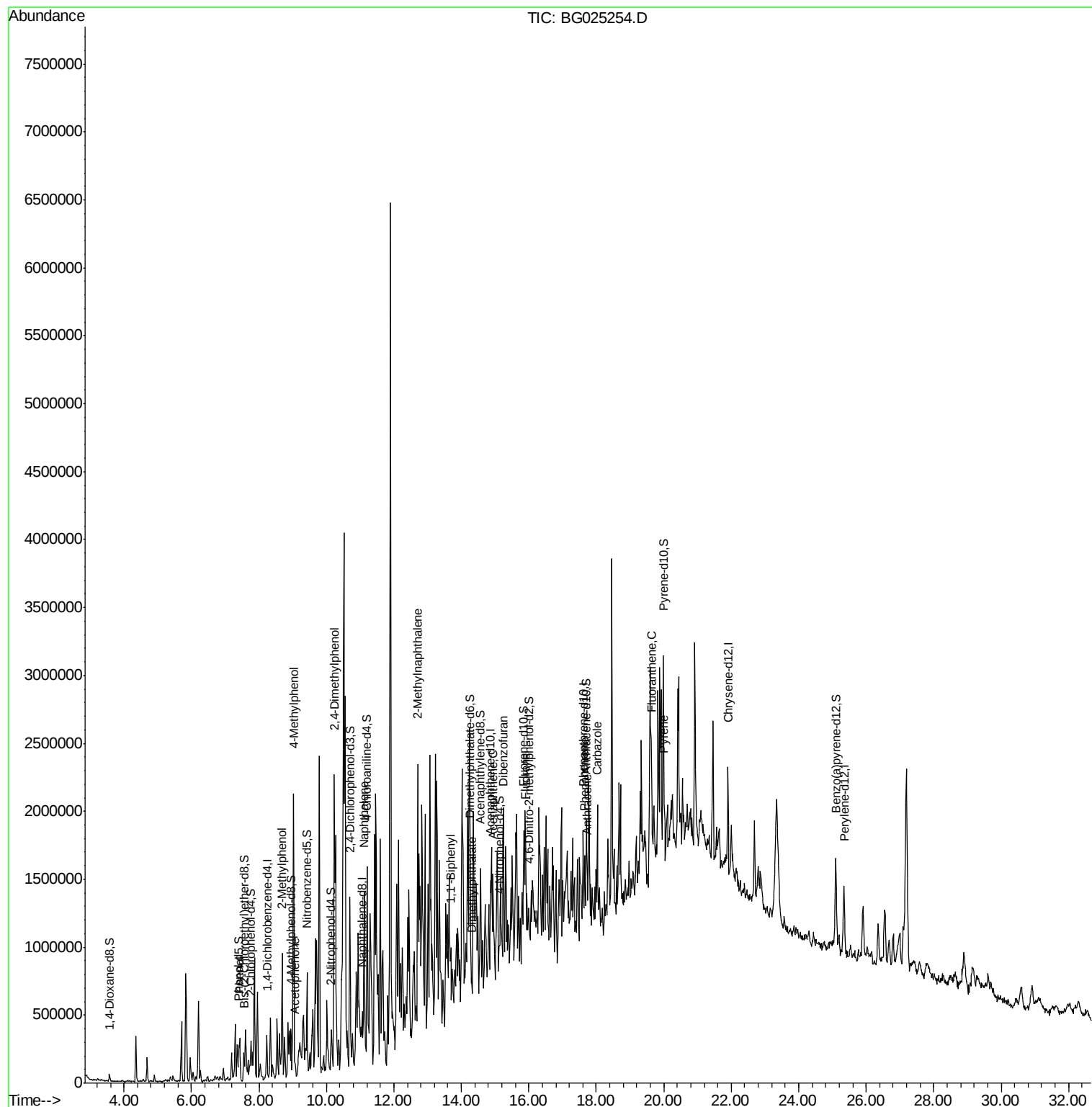
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025254.D
Acq On : 17 Dec 2016 1:12
Operator : UM/SJ
Sample : H6040-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

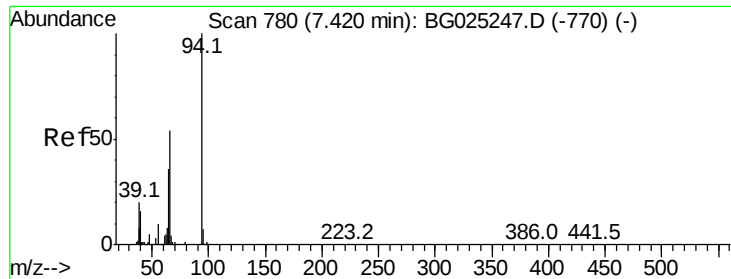
Instrument :
BNA_G
ClientSampleId :
DA8W3

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Quant Time: Dec 17 05:25:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration





#6

Phenol

Concen: 10.72 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.01 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Instrument :

BNA_G

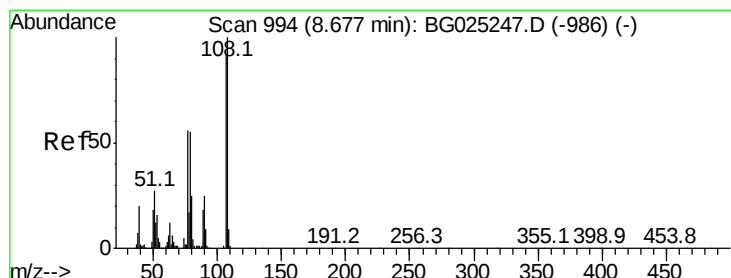
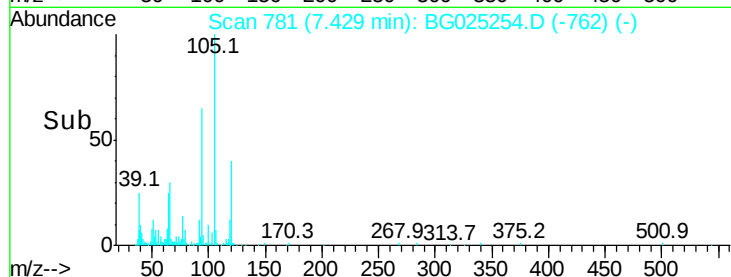
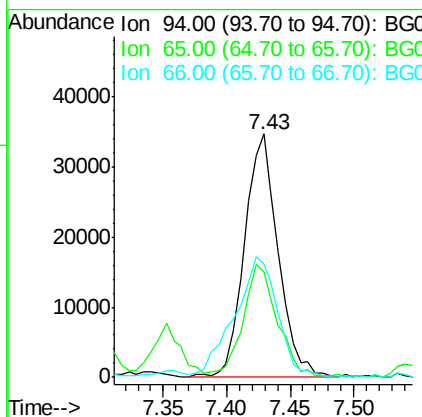
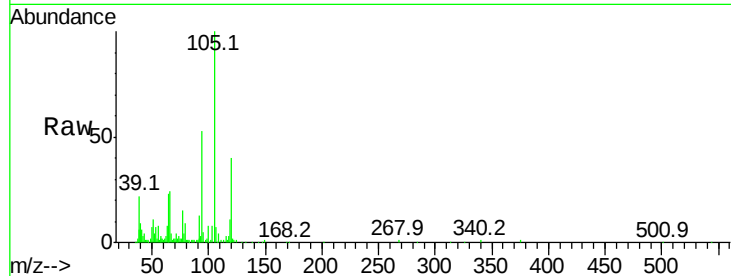
ClientSampleId :

DA8W3

Tot Ion	Ratio	Lower	Upper
94	100		
65	43.3	26.8	40.2#
66	46.6	44.4	66.6

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#11

2-Methylphenol

Concen: 61.38 ng/ul

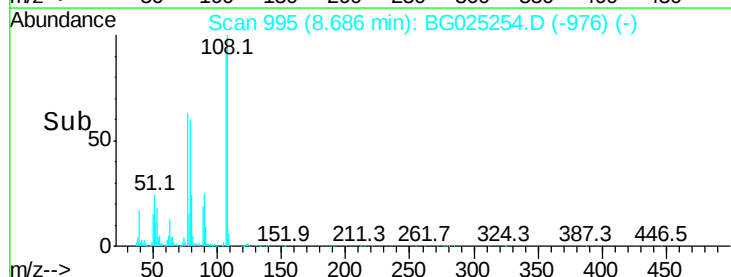
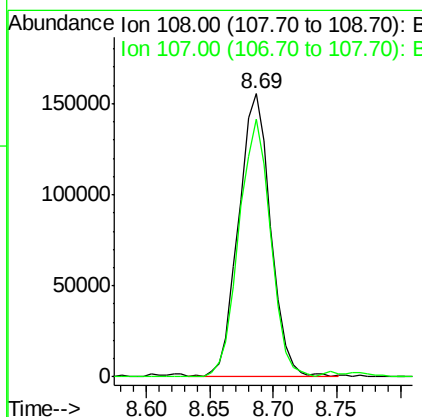
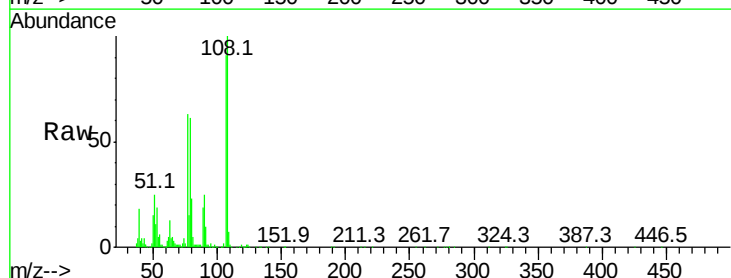
RT: 8.69 min Scan# 995

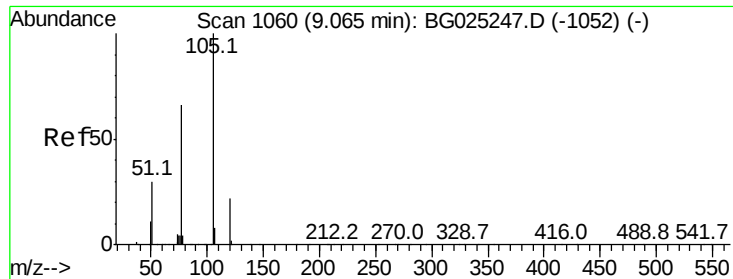
Delta R.T. 0.01 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Tgt Ion	Ratio	Lower	Upper
108	100		
107	90.9	76.7	115.1





#14

Acetophenone

Concen: 6.93 ng/ul

RT: 9.07 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Instrument :

BNA_G

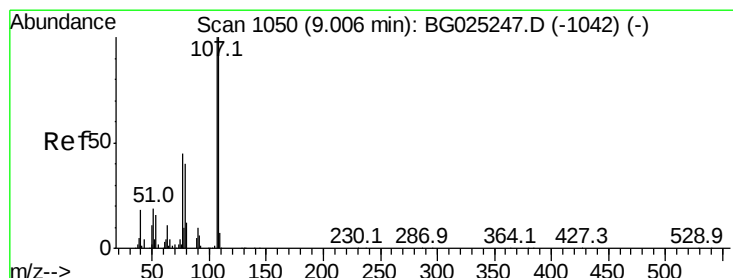
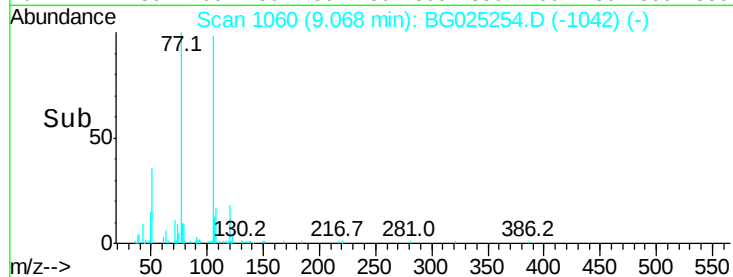
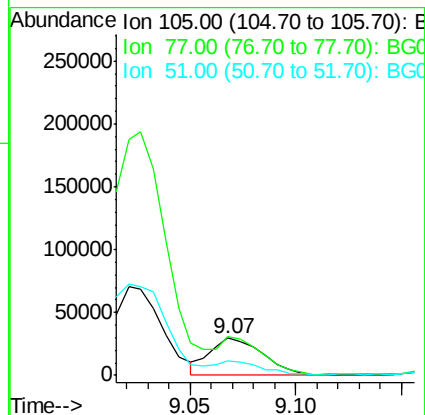
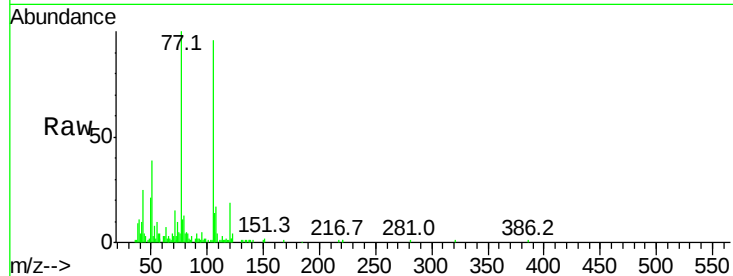
ClientSampleId :

DA8W3

Tot Ion	Ratio	Lower	Upper
105	100		
77	104.2	76.0	114.0
51	40.8	34.8	52.2

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#16

4-Methylphenol

Concen: 145.33 ng/ul

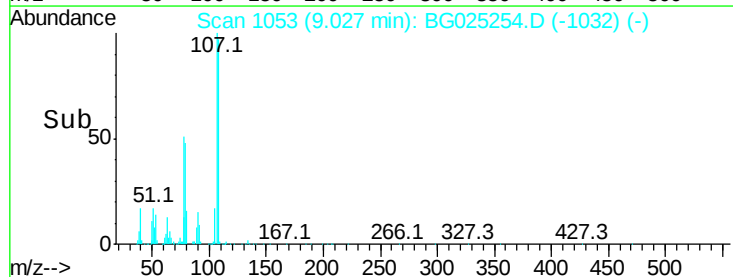
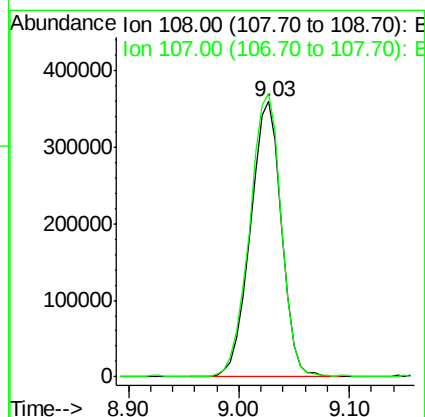
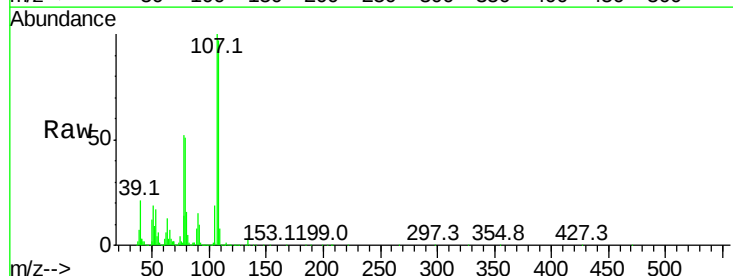
RT: 9.03 min Scan# 1053

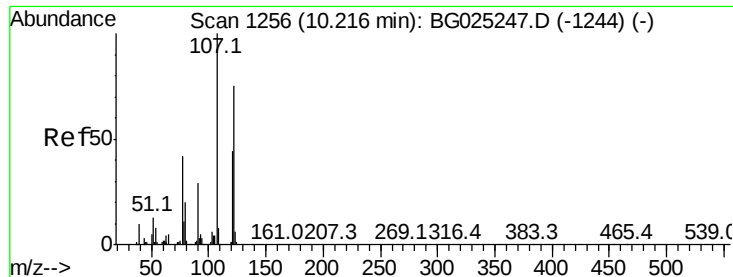
Delta R.T. 0.02 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Tgt Ion	Ratio	Lower	Upper
108	100		
107	102.9	91.7	137.5





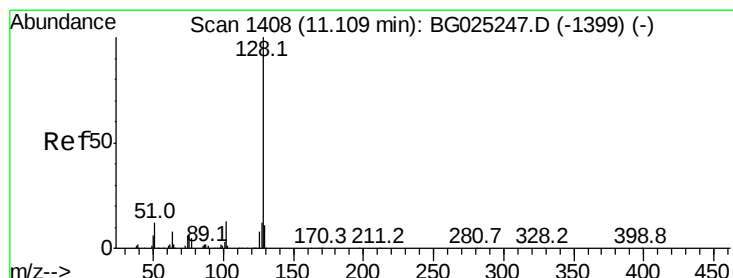
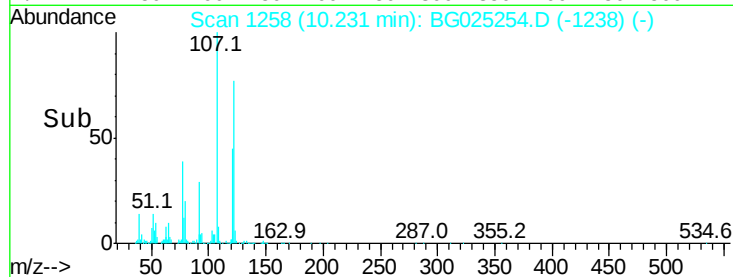
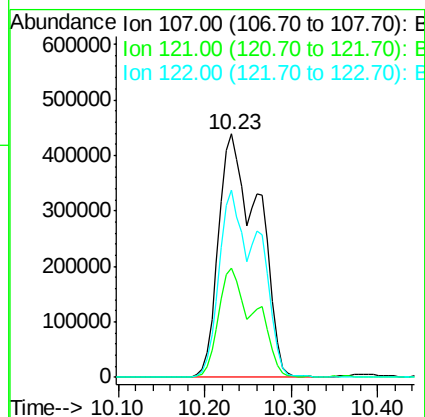
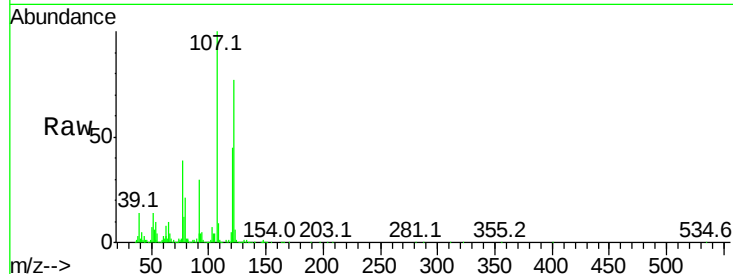
#24
2,4-Dimethylphenol
Concen: 259.89 ng/ul m
RT: 10.23 min Scan# 1258
Delta R.T. 0.02 min
Lab File: BG025254.D
Acq: 17 Dec 2016 1:12

Instrument :
BNA_G
ClientSampleId :
DA8W3

Tot Ion	Ratio	Lower	Upper
107	100		
121	44.7	32.3	48.5
122	77.0	61.2	91.8

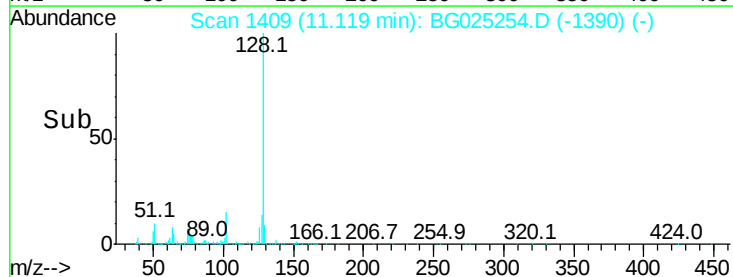
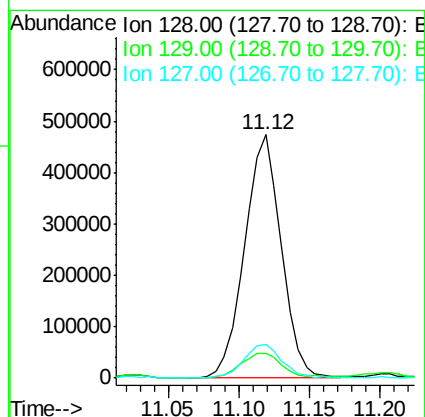
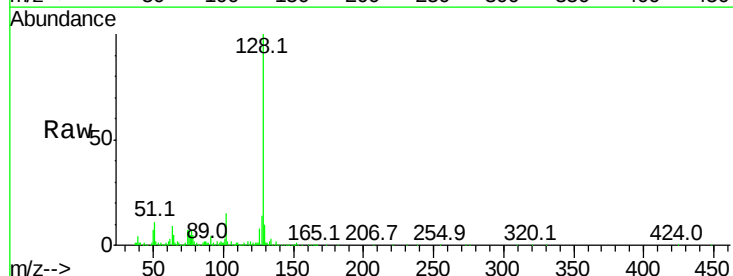
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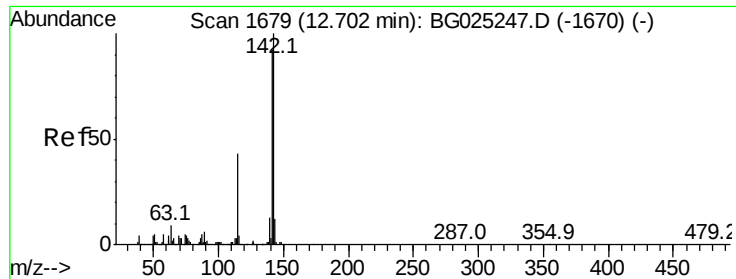
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#28
Naphthalene
Concen: 69.41 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BG025254.D
Acq: 17 Dec 2016 1:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.4	14.2
127	13.7	10.3	15.5





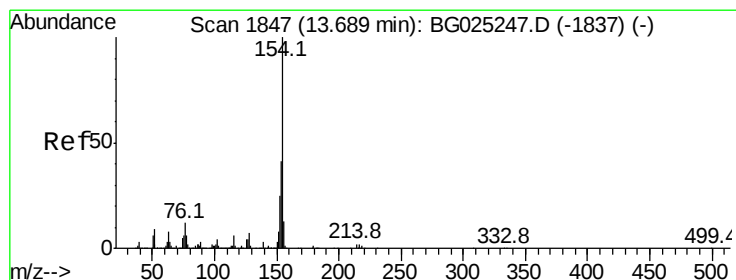
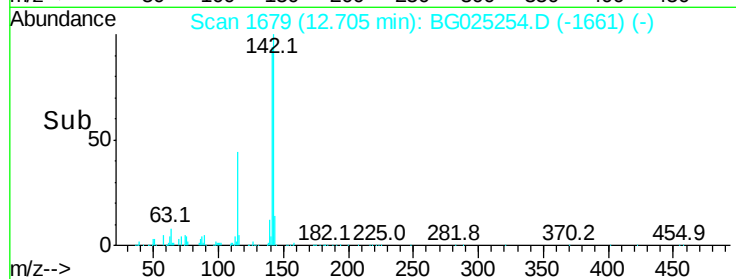
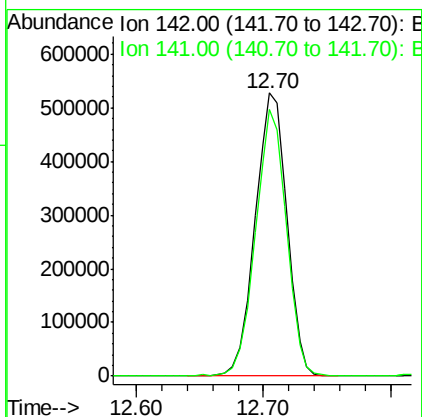
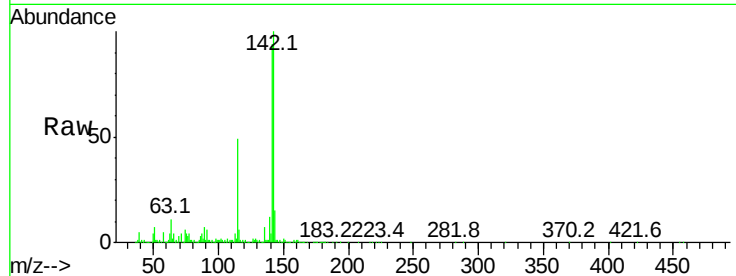
#34
 2-Methylnaphthalene
 Concen: 94.21 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025254.D
 Acq: 17 Dec 2016 1:12

Instrument :
 BNA_G
 ClientSampleId :
 DA8W3

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.3	68.6	102.8

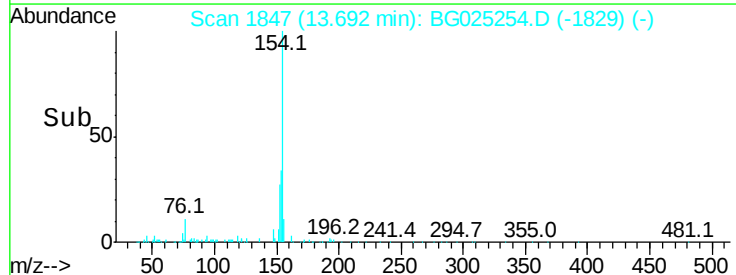
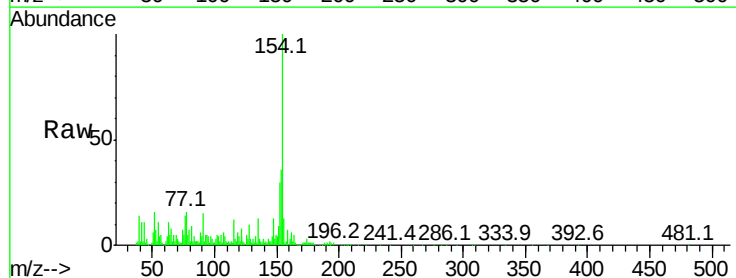
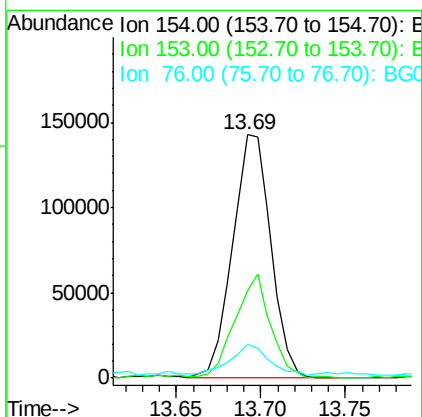
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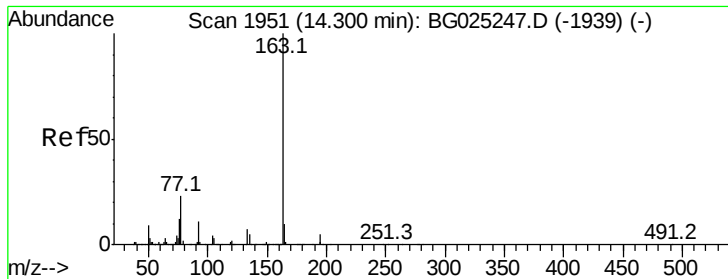
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#40
 1,1'-Biphenyl
 Concen: 20.16 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG025254.D
 Acq: 17 Dec 2016 1:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	36.2	32.2	48.2
76	13.7	9.6	14.4





#44

Dimethylphthalate

Concen: 7.94 ng/ul

RT: 14.31 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Instrument :

BNA_G

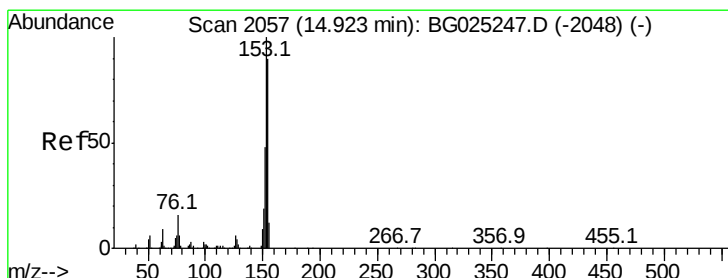
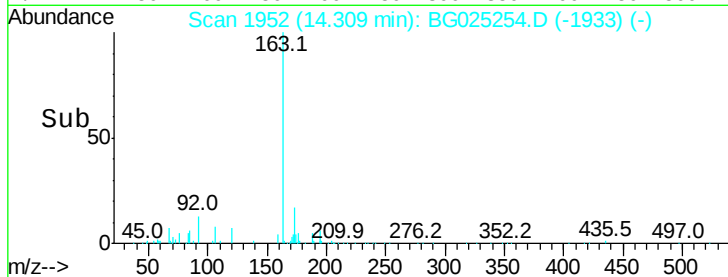
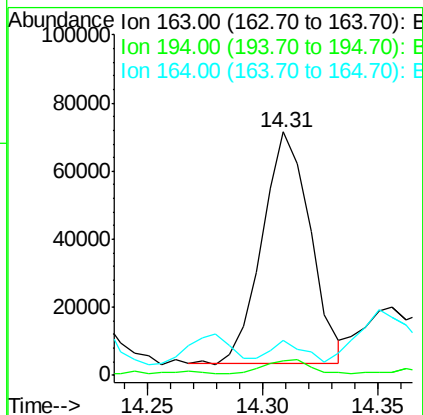
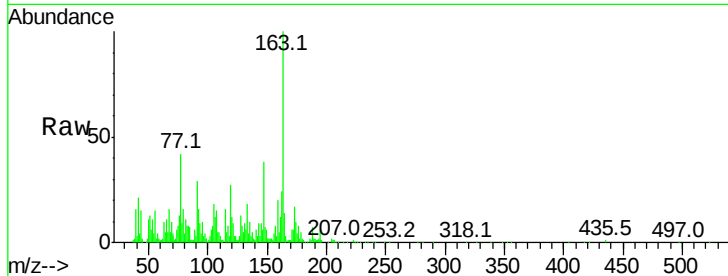
ClientSampleId :

DA8W3

Tot Ion:	163	Resp:	98298
Ion Ratio	Lower	Upper	
163	100		
194	6.0	3.4	5.0#
164	14.4	9.0	13.4#

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#49

Acenaphthene

Concen: 6.94 ng/ul

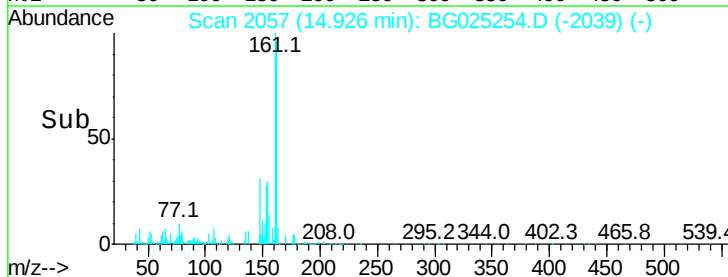
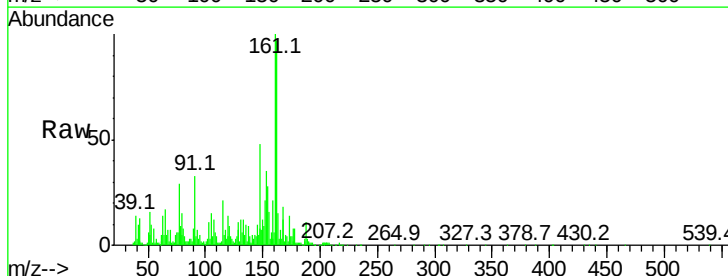
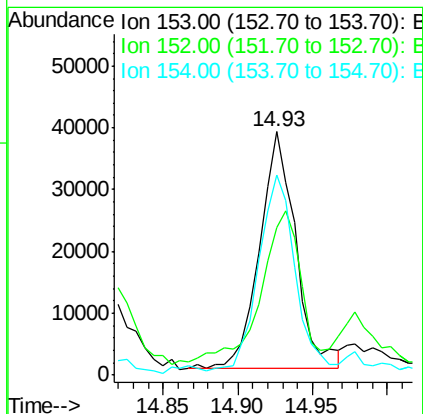
RT: 14.93 min Scan# 2057

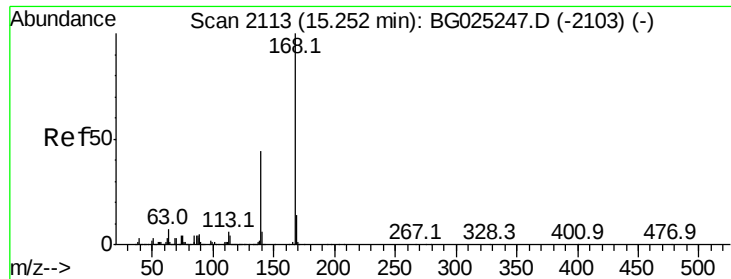
Delta R.T. 0.00 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Tgt Ion:	153	Resp:	63789
Ion Ratio	Lower	Upper	
153	100		
152	60.7	36.5	54.7#
154	82.3	72.3	108.5





#53

Dibenzofuran

Concen: 14.26 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Instrument :

BNA_G

ClientSampleId :

DA8W3

Tot Ion:168 Resp: 207370

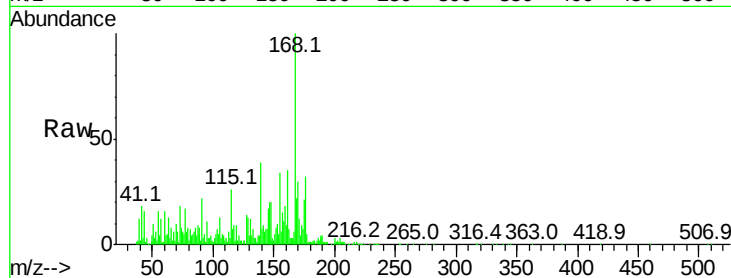
Ion Ratio Lower Upper

168 100

139 39.5 33.8 50.8

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

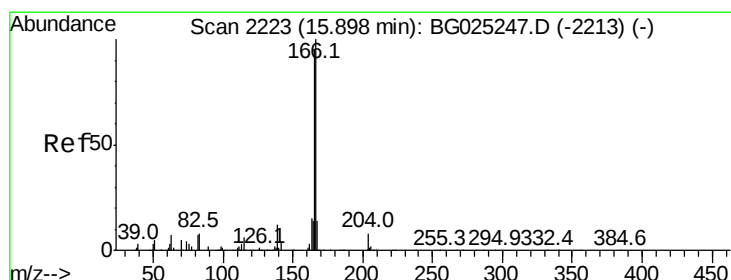
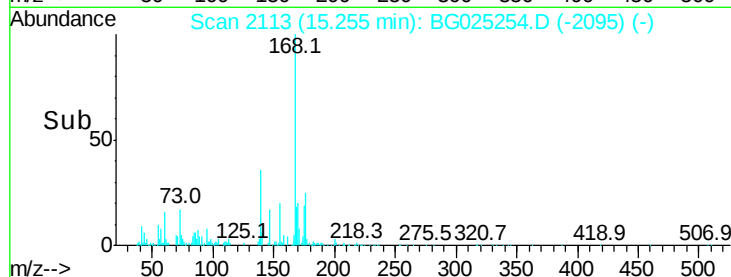
15.25

100000

50000

0

Time-->



#58

Fluorene

Concen: 25.47 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

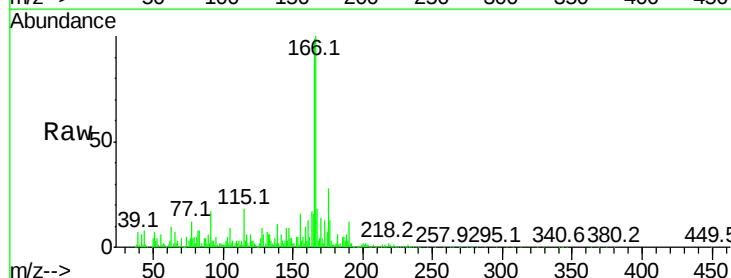
Tgt Ion:166 Resp: 301402

Ion Ratio Lower Upper

166 100

165 98.7 79.7 119.5

167 17.8 11.4 17.2#



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

15.91

250000

200000

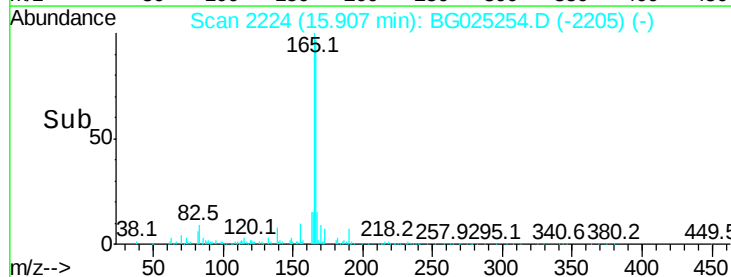
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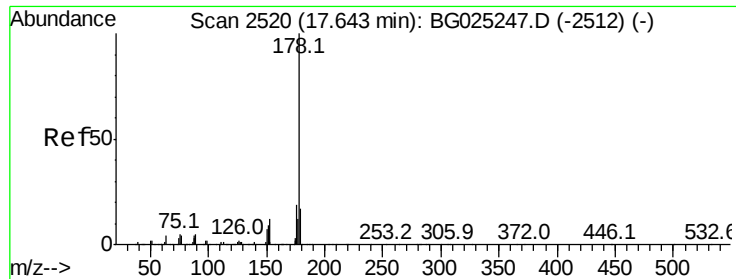
100000

50000

0

Time-->





#69

Phenanthrene

Concen: 16.92 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Instrument :

BNA_G

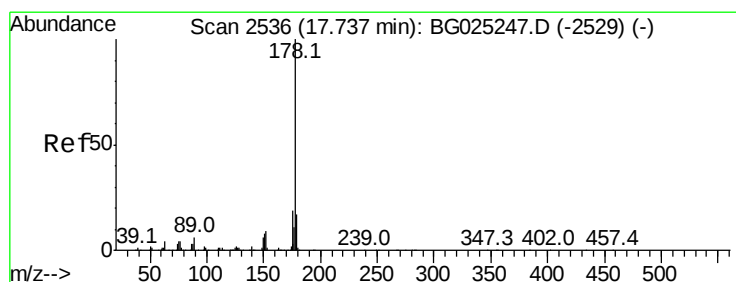
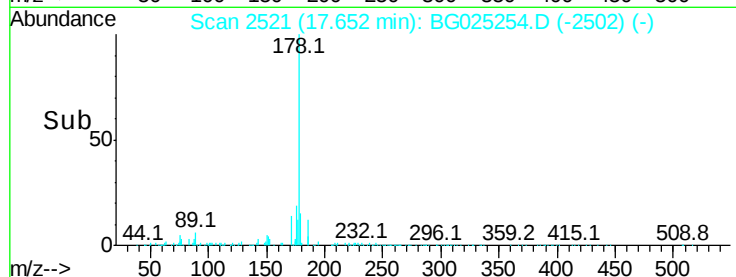
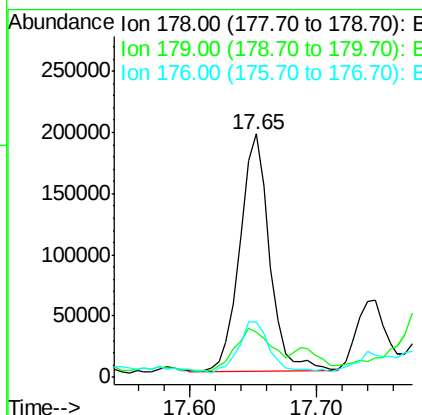
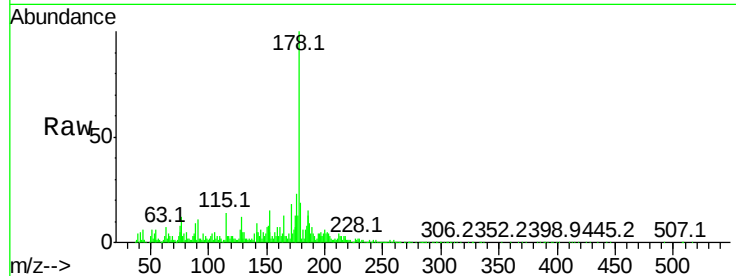
ClientSampleId :

DA8W3

Tot Ion:	178	Resp:	312870
Ion Ratio	Lower	Upper	
178	100		
179	18.5	12.4	18.6
176	22.9	16.5	24.7

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#71

Anthracene

Concen: 4.69 ng/ul

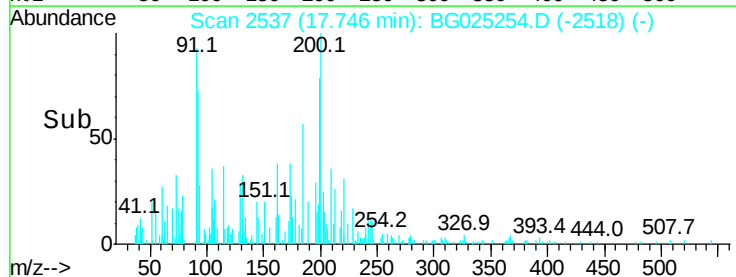
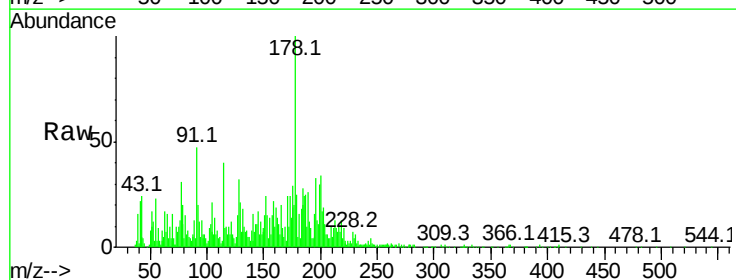
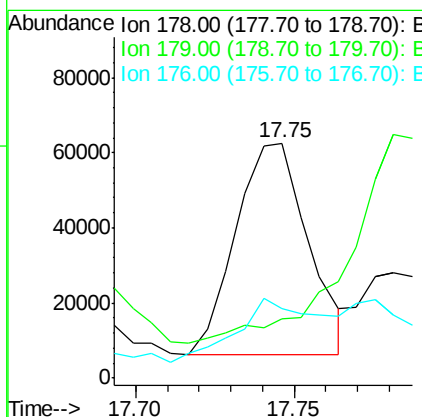
RT: 17.75 min Scan# 2537

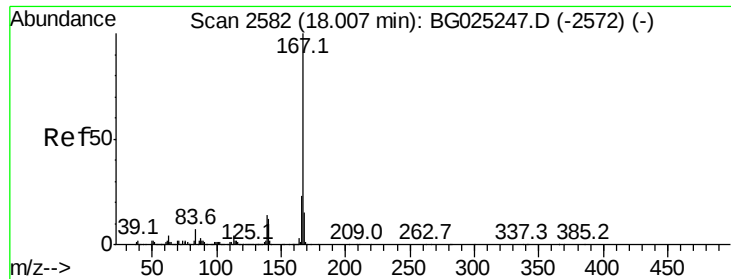
Delta R.T. 0.01 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Tgt Ion:	178	Resp:	89086
Ion Ratio	Lower	Upper	
178	100		
179	25.2	12.6	19.0#
176	29.3	15.9	23.9#





#72

Carbazole

Concen: 3.16 ng/ul

RT: 18.02 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Instrument :

BNA_G

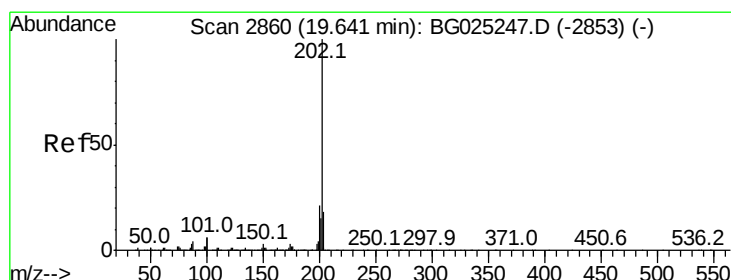
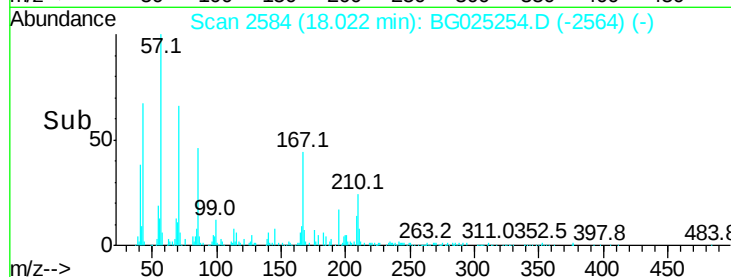
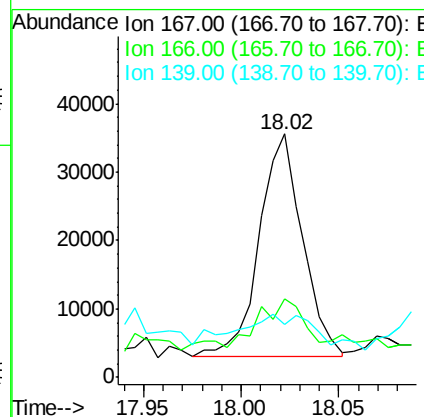
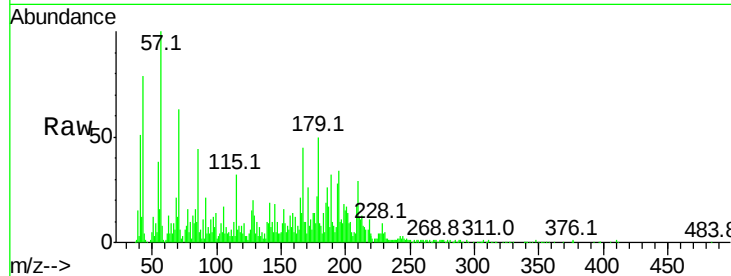
ClientSampleId :

DA8W3

Tot Ion:	167	Resp:	50170
Ion Ratio	Lower	Upper	
167	100		
166	32.2	17.9	26.9#
139	21.8	10.5	15.7#

Manual Integrations
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umangi
12/20/2016 10:48:44 AM



#74

Fluoranthene

Concen: 3.94 ng/ul

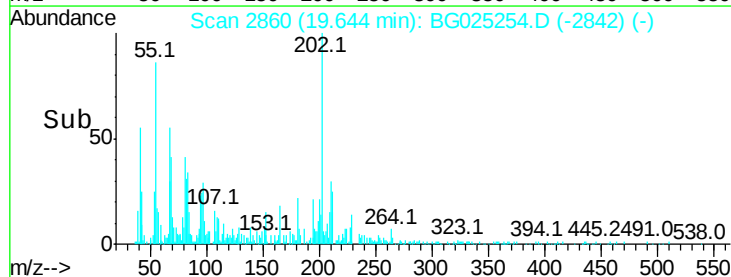
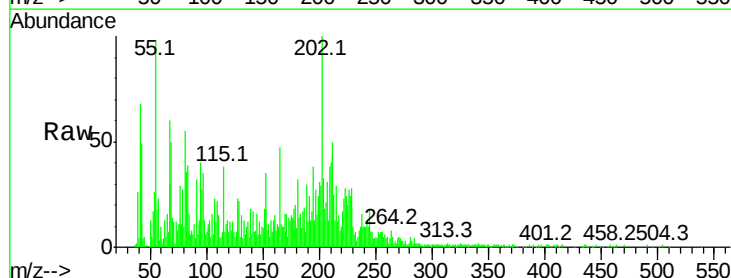
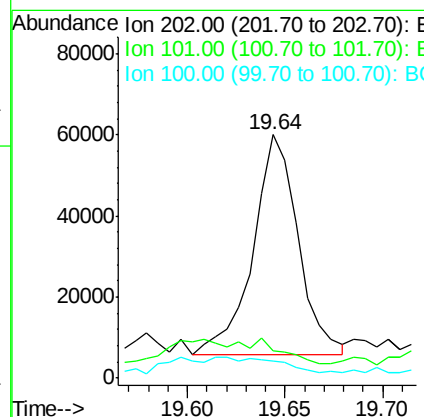
RT: 19.64 min Scan# 2860

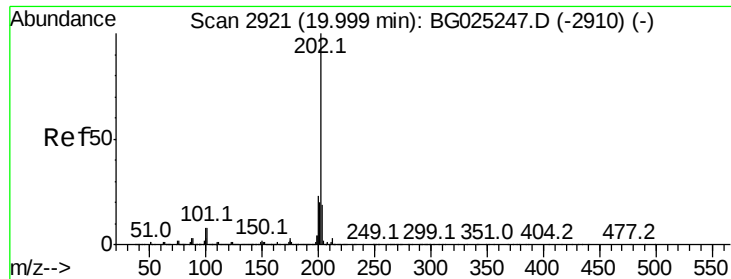
Delta R.T. 0.00 min

Lab File: BG025254.D

Acq: 17 Dec 2016 1:12

Tgt Ion:	202	Resp:	86614
Ion Ratio	Lower	Upper	
202	100		
101	11.2	6.2	9.2#
100	6.8	5.2	7.8





#77
 Pvrene
 Concen: 5.37 ng/ul
 RT: 20.01 min Scan# 2922
 Delta R.T. 0.01 min
 Lab File: BG025254.D
 Acq: 17 Dec 2016 1:12

Instrument :
 BNA_G
 ClientSampleId :
 DA8W3

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
202	100			
101	11.4	6.9	10.3#	
100	8.4	6.6	10.0	

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:48:44 AM

