

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018162.D
 Acq On : 29 Jul 2015 00:28
 Operator : TP/UM
 Sample : G3035-20DL 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02D9DL

Manual Integrations
 APPROVED

apatel
 7/29/2015 1:21:33 PM

Quant Time: Aug 06 17:33:57 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	46073	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	203961	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	122186	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.95	188	233771	20.00	ng/ul	0.01
78) Chrysene-d12	21.15	240	245395	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	260769	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.71	99	8096	2.28	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	3962	2.26	ng/ul	0.01
9) 2-Chlorophenol-d4	7.05	132	8029	2.55	ng/ul	0.01
13) 4-Methylphenol-d8	8.23	113	7626	2.42	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	4209	2.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	4744	2.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	8461	2.86	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.60	166	23492	2.74	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	28449	2.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	3213	1.78	ng/ul	0.02
58) Fluorene-d10	15.19	176	21048	2.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.05	188	27521	2.72	ng/ul	0.01
79) Pyrene-d10	19.36	212	27211	2.42	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.21	264	26706	2.15	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	10.35	128	222725	23.31	ng/ul	98
34) 2-Methylnaphthalene	11.98	142	144798	20.07	ng/ul	98
41) 1,1'-Biphenyl	13.01	154	40183	4.80	ng/ul#	96
50) Acenaphthene	14.26	153	190748	26.32	ng/ul	98
54) Dibenzofuran	14.59	168	194150	18.85	ng/ul	97
59) Fluorene	15.24	166	203078	22.91	ng/ul	99
70) Phenanthrene	16.99	178	822930	70.06	ng/ul	99
72) Anthracene	17.08	178	89249	7.48	ng/ul	97
75) Carbazole	17.36	167	39063	3.78	ng/ul	99
77) Fluoranthene	19.02	202	459805	36.75	ng/ul	95
80) Pyrene	19.39	202	304109	21.64	ng/ul	94
83) Benzo(a)anthracene	21.14	228	84429	6.51	ng/ul	99
85) Chrysene	21.19	228	73822	6.04	ng/ul	96
88) Benzo(b)fluoranthene	22.69	252	57906	4.05	ng/ul#	86
89) Benzo(k)fluoranthene	22.73	252	18735m	1.35	ng/ul	
91) Benzo(a)pyrene	23.25	252	31641	2.29	ng/ul#	69

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

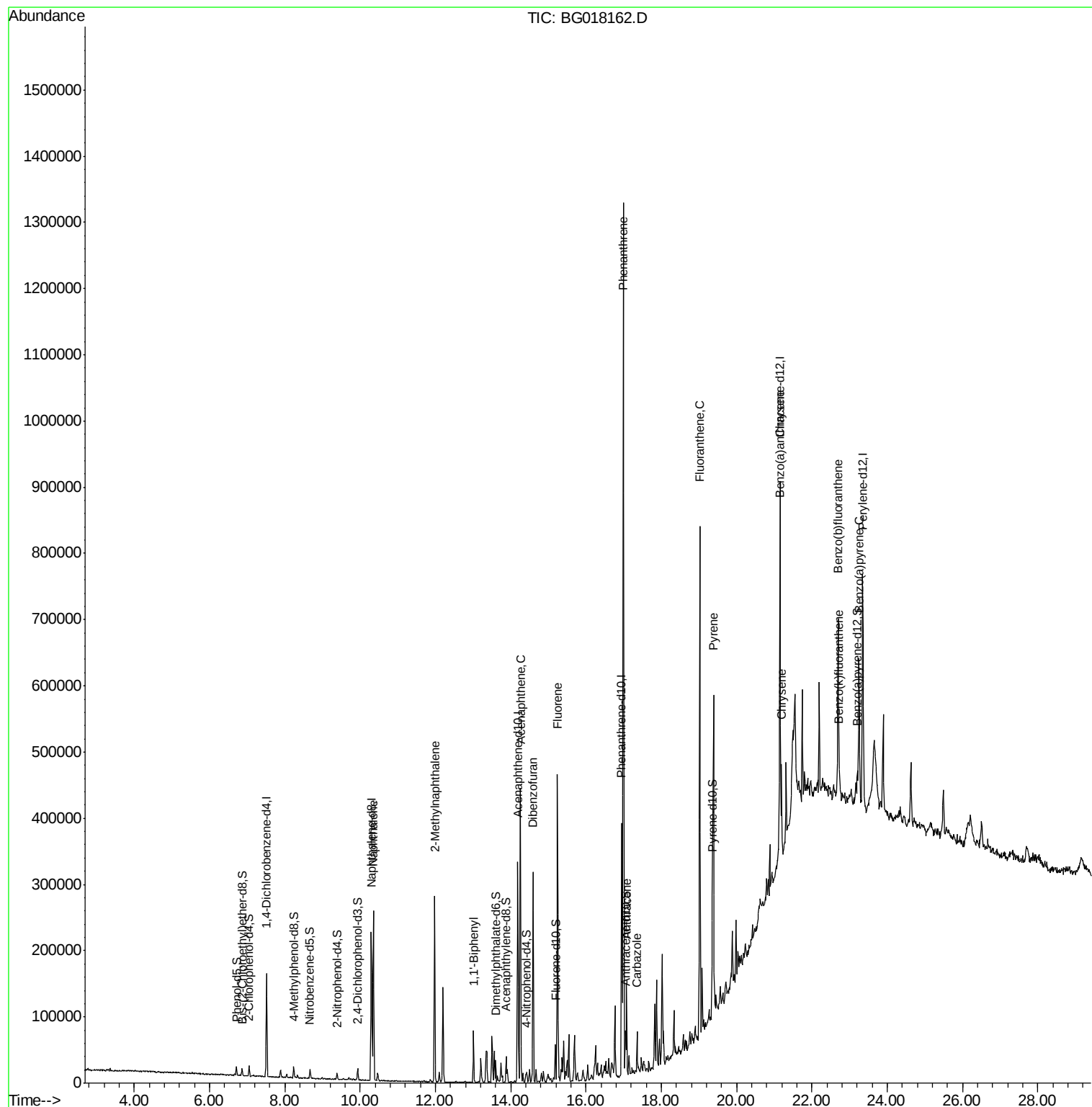
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
Data File : BG018162.D
Acq On : 29 Jul 2015 00:28
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

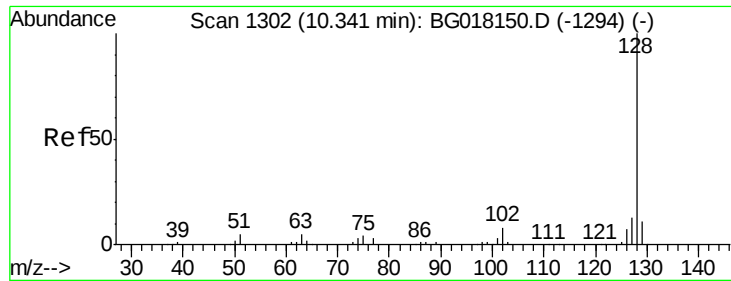
Instrument :
BNA_G
ClientSampleId :
C02D9DL

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Quant Time: Aug 06 17:33:57 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 23.31 ng/ul

RT: 10.35 min Scan# 1304

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Instrument :

BNA_G

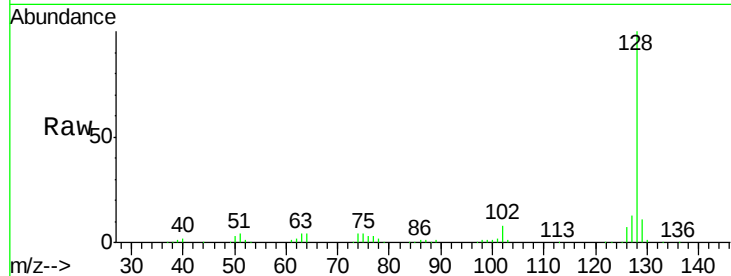
ClientSampleId :

C02D9DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	222725		
129	10.7		9.5	14.3
127	13.2		10.1	15.1

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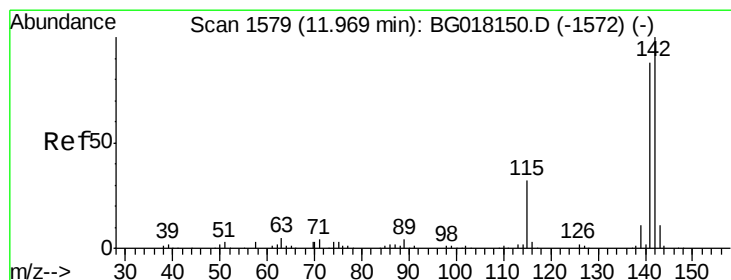
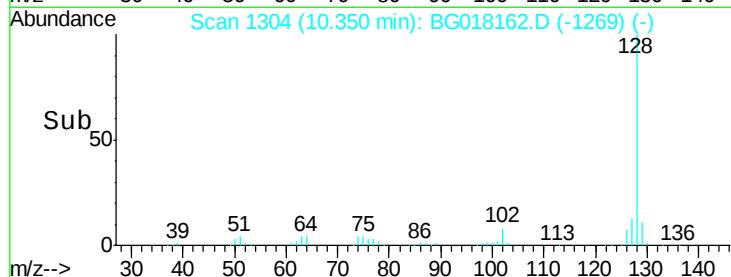
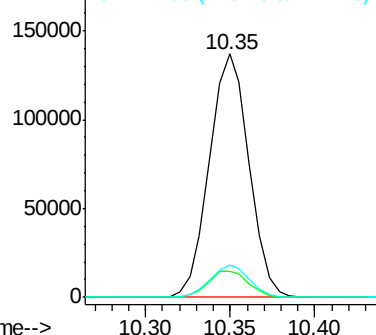
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 20.07 ng/ul

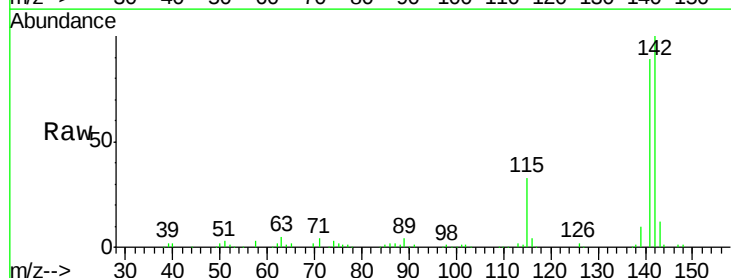
RT: 11.98 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BG018162.D

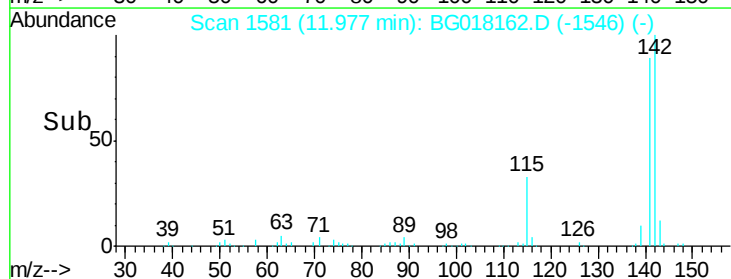
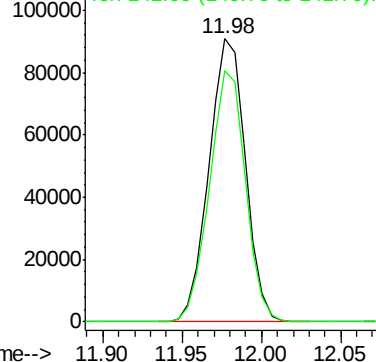
Acq: 29 Jul 2015 00:28

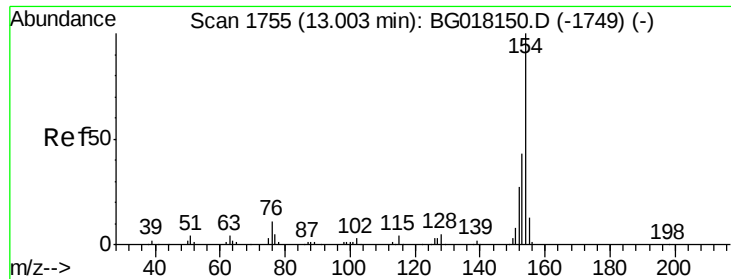
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	144798		
141	88.9		69.4	104.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#41

1,1'-Biphenyl

Concen: 4.80 ng/ul

RT: 13.01 min Scan# 1757

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Instrument :

BNA_G

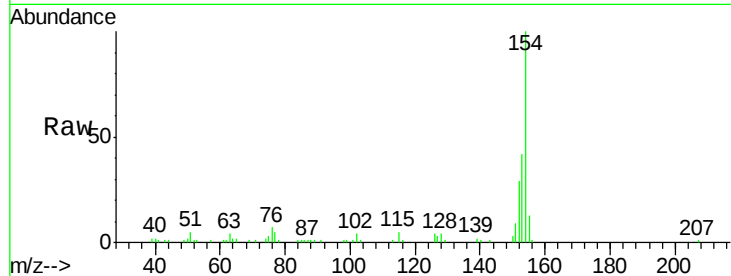
ClientSampleId :

C02D9DL

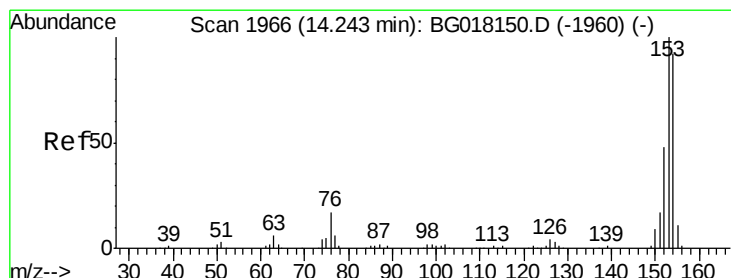
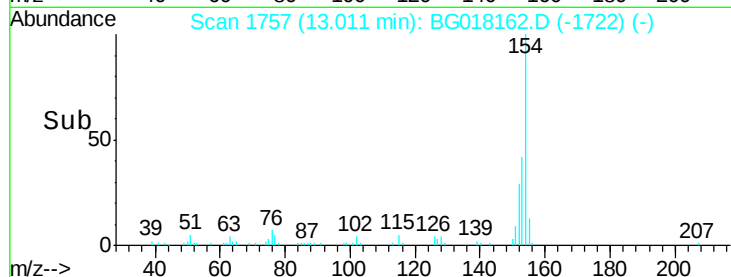
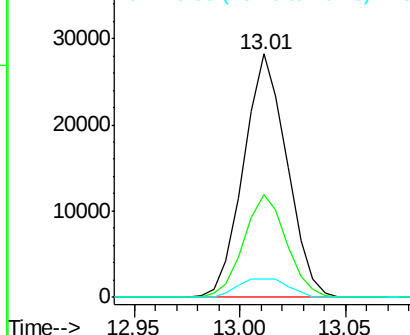
Tgt Ion:	154	Resp:	40183
Ion Ratio	Lower	Upper	
154	100		
153	42.3	33.1	49.7
76	7.4	9.7	14.5#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC



#50

Acenaphthene

Concen: 26.32 ng/ul

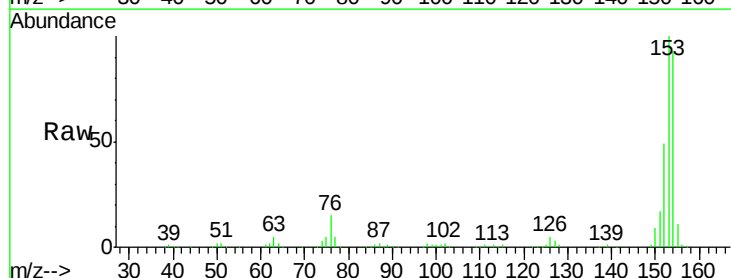
RT: 14.26 min Scan# 1969

Delta R.T. 0.01 min

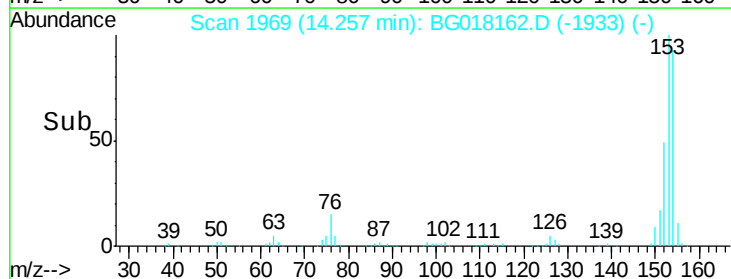
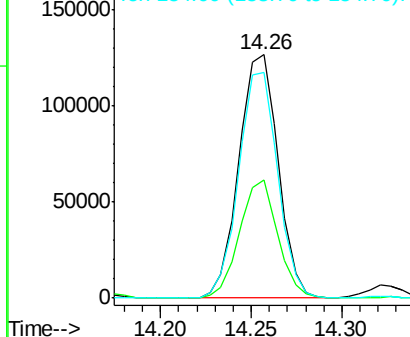
Lab File: BG018162.D

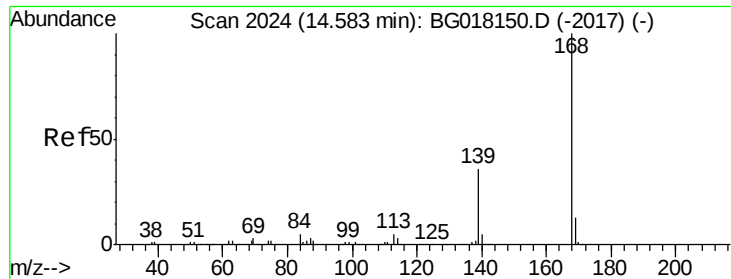
Acq: 29 Jul 2015 00:28

Tgt Ion:	153	Resp:	190748
Ion Ratio	Lower	Upper	
153	100		
152	48.8	38.9	58.3
154	92.8	72.6	108.8



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





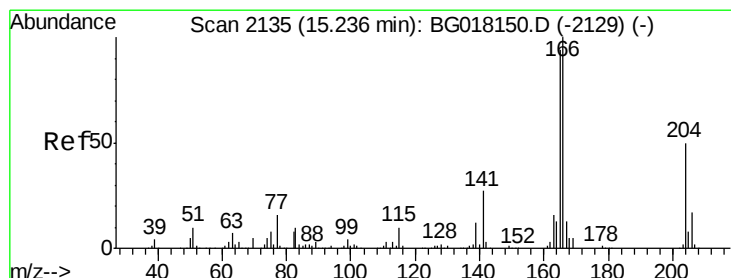
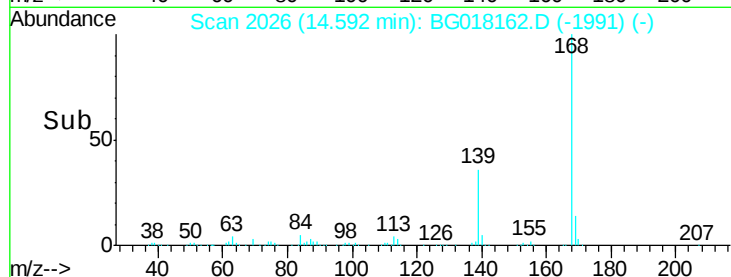
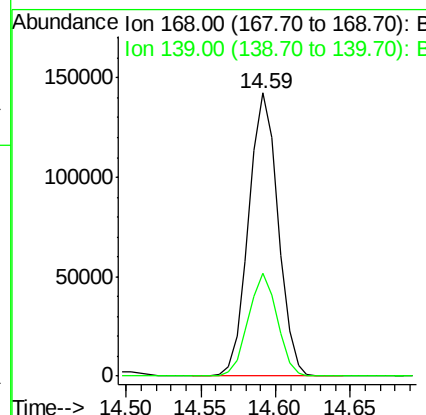
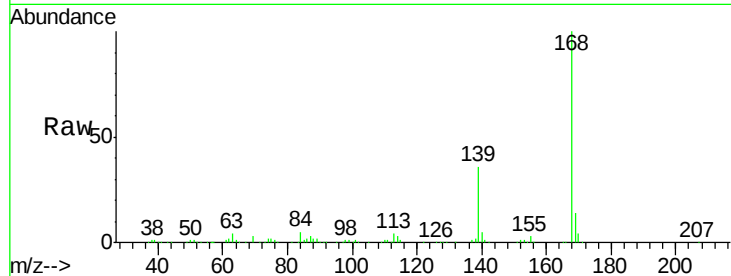
#54
Dibenzenofuran
Concen: 18.85 ng/ul
RT: 14.59 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Instrument :
BNA_G
ClientSampleId :
C02D9DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.6	46.0

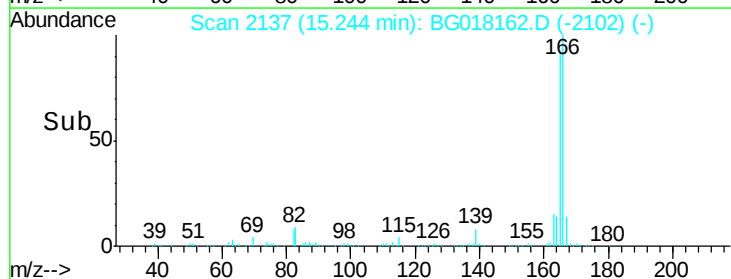
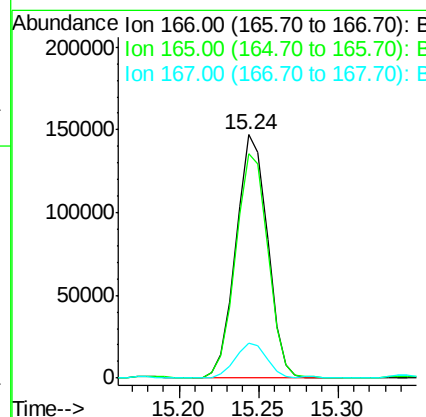
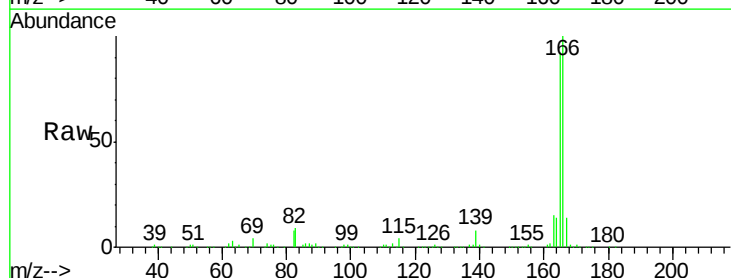
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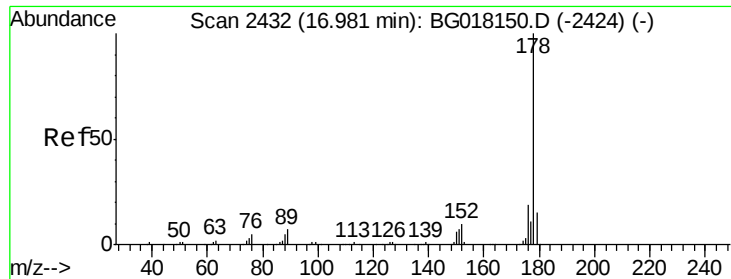
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#59
Fluorene
Concen: 22.91 ng/ul
RT: 15.24 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.4	73.6	110.4
167	14.4	10.8	16.2





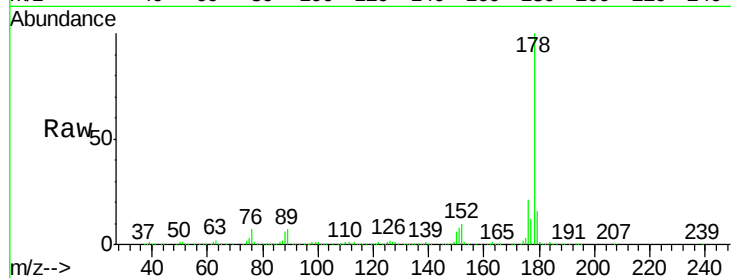
#70
Phenanthrene
Concen: 70.06 ng/ul
RT: 16.99 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Instrument :
BNA_G
ClientSampleId :
C02D9DL

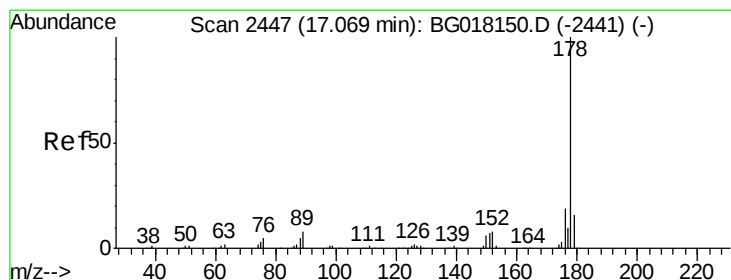
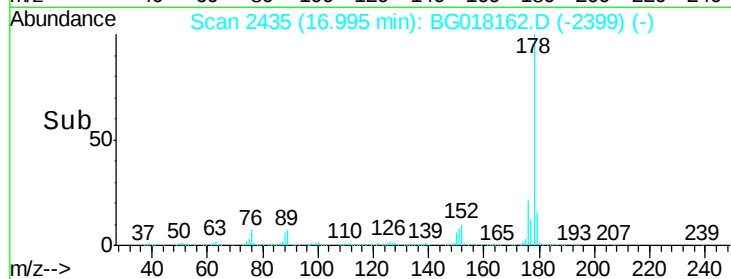
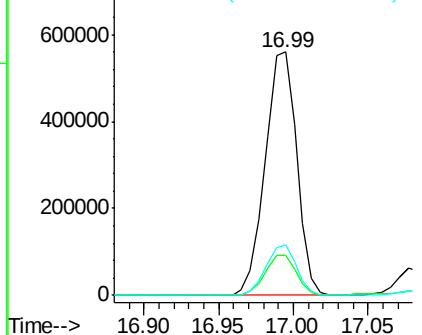
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	13.0	19.6
176	20.5	15.8	23.8

Manual Integrations
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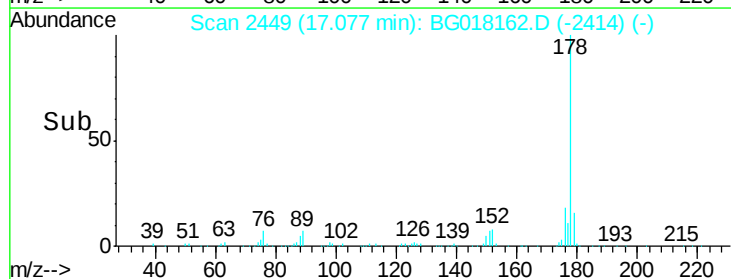
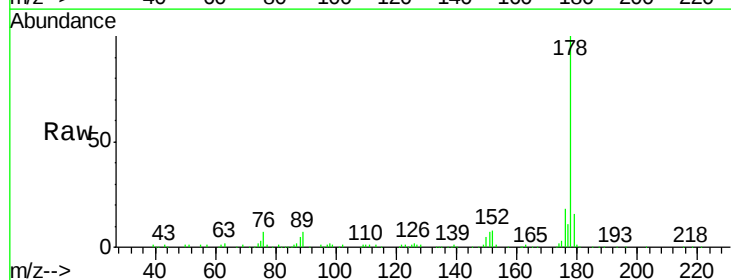
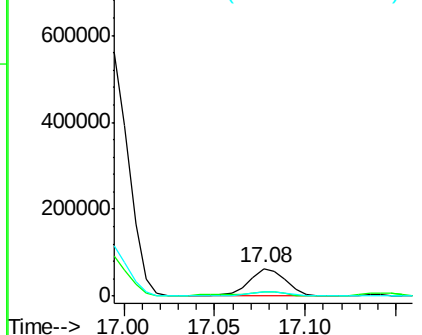
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

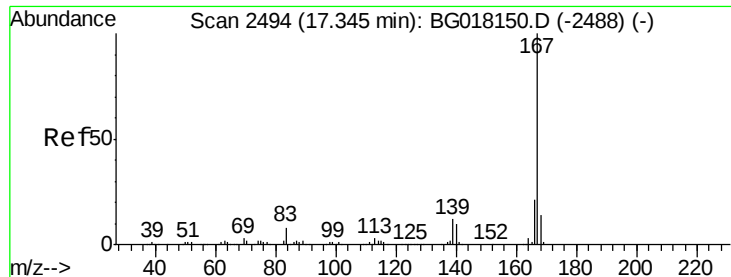


#72
Anthracene
Concen: 7.48 ng/ul
RT: 17.08 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.4	18.6
176	17.8	15.8	23.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.78 ng/ul

RT: 17.36 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BG018162.D

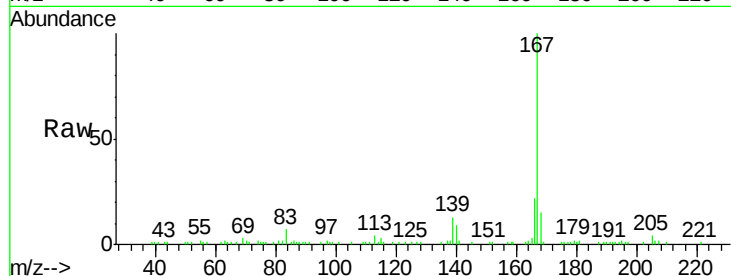
Acq: 29 Jul 2015 00:28

Instrument :

BNA_G

ClientSampleId :

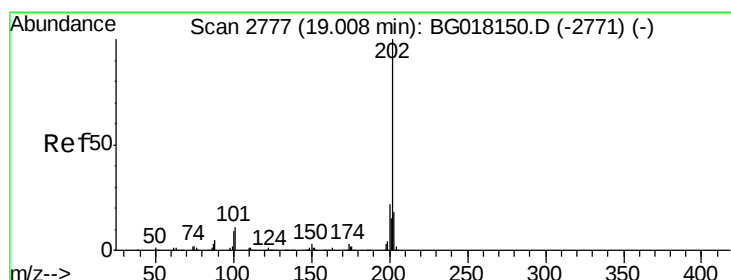
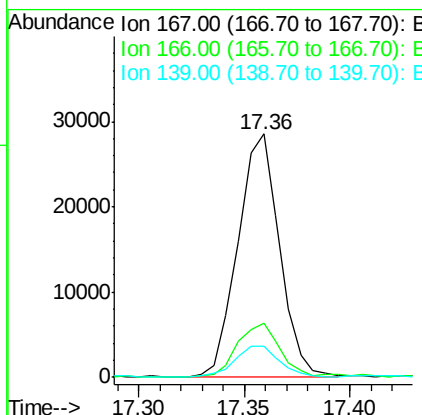
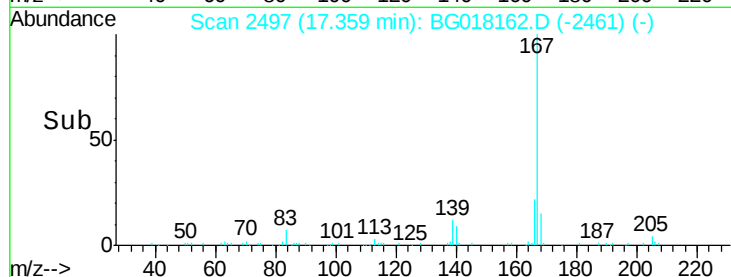
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Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.2
139	12.9	10.6	15.8

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#77

Fluoranthene

Concen: 36.75 ng/ul

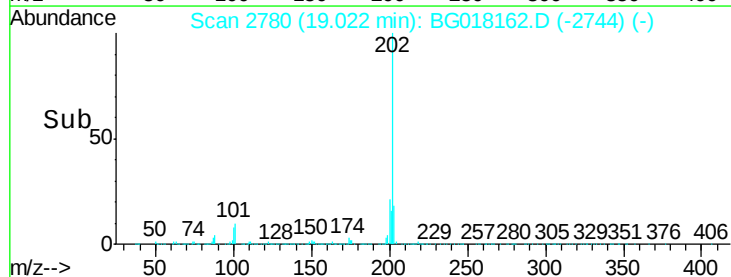
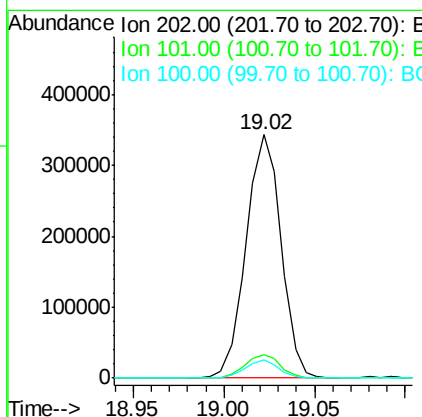
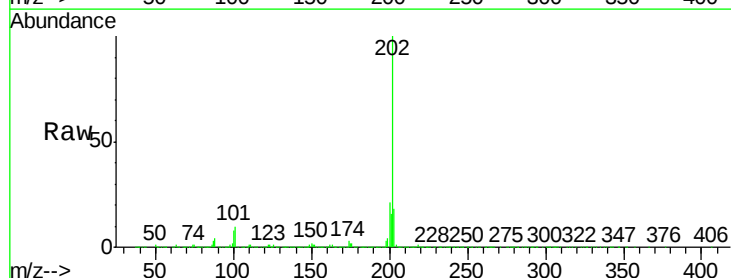
RT: 19.02 min Scan# 2780

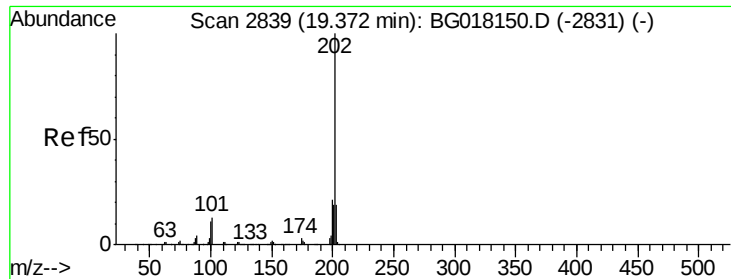
Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	9.1	13.7
100	7.7	7.5	11.3





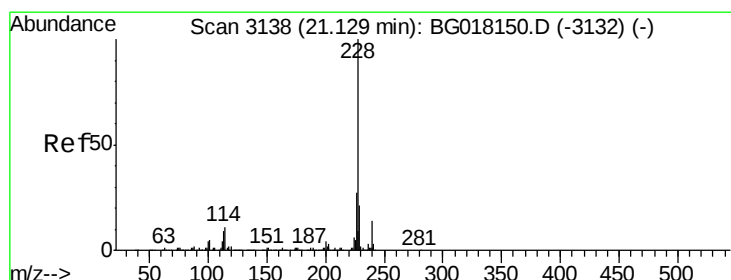
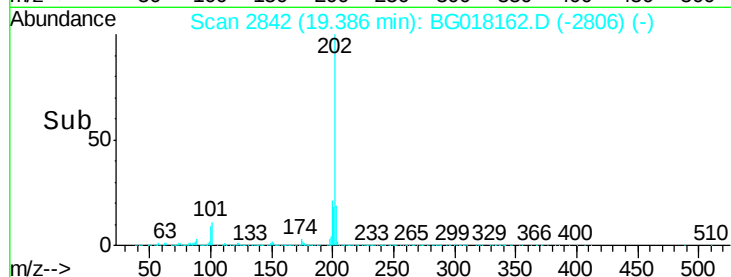
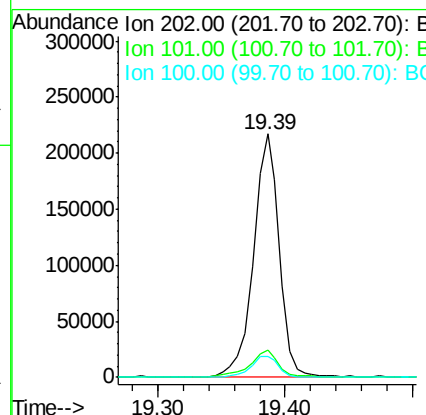
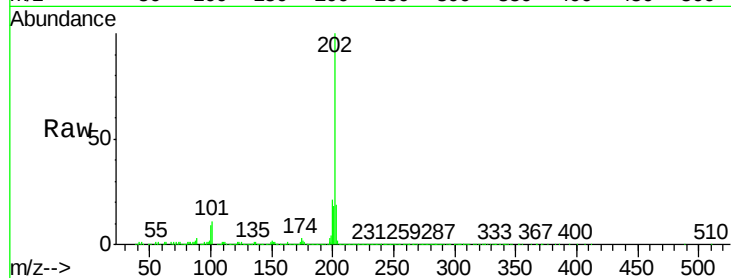
#80
Pyrene
Concen: 21.64 ng/ul
RT: 19.39 min Scan# 2842
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Instrument :
BNA_G
ClientSampled :
C02D9DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	304109		
101	11.1	10.9	16.3	
100	8.7	8.5	12.7	

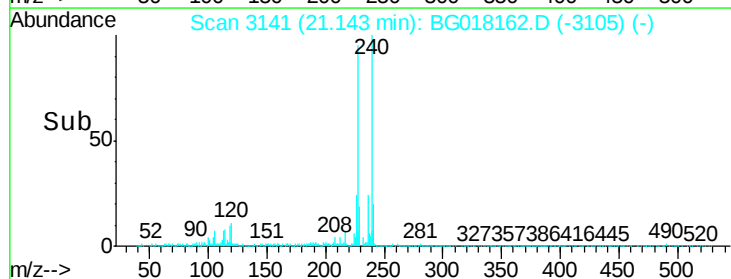
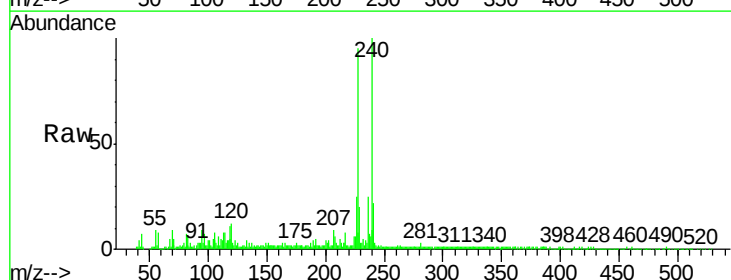
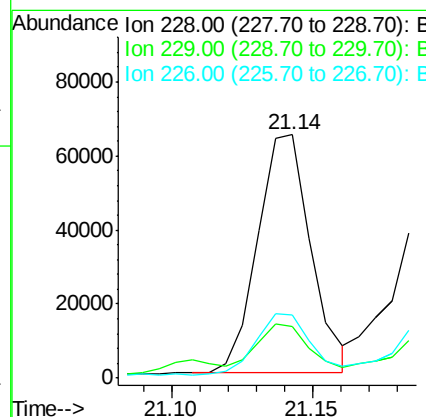
Manual Integrations
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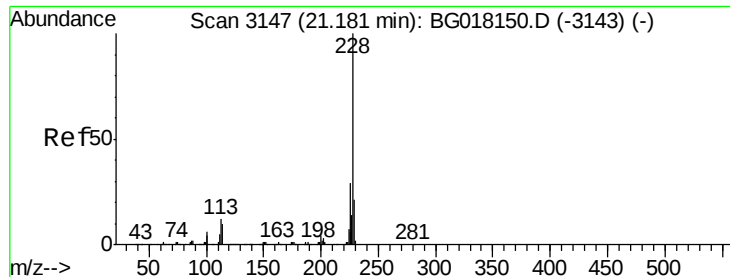
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#83
Benzo(a)anthracene
Concen: 6.51 ng/ul
RT: 21.14 min Scan# 3141
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	84429		
229	21.0	16.6	24.8	
226	25.8	21.1	31.7	





#85

Chrysene

Concen: 6.04 ng/ul

RT: 21.19 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Instrument :

BNA_G

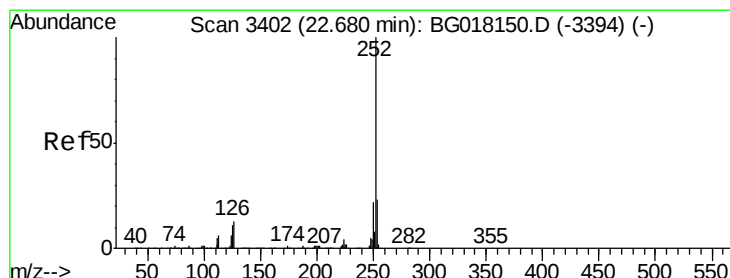
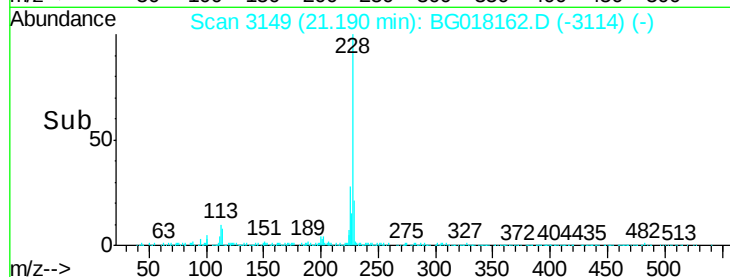
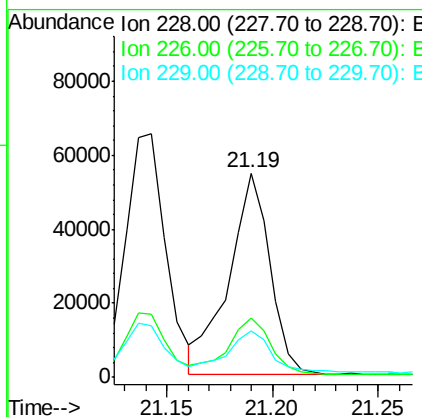
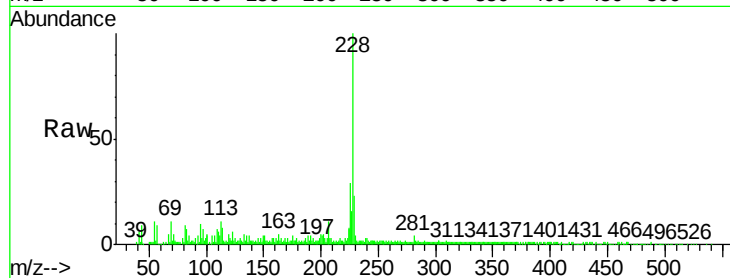
ClientSampleId :

C02D9DL

Tgt Ion:	228	Resp:	73822
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.9	34.3
229	22.8	15.6	23.4

Manual Integrations
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apatel
7/29/2015 1:21:33 PM



#88

Benzo(b)fluoranthene

Concen: 4.05 ng/ul

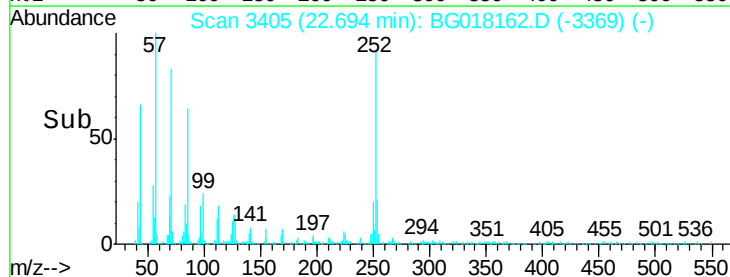
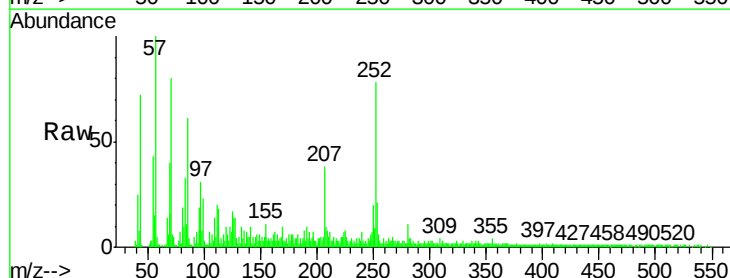
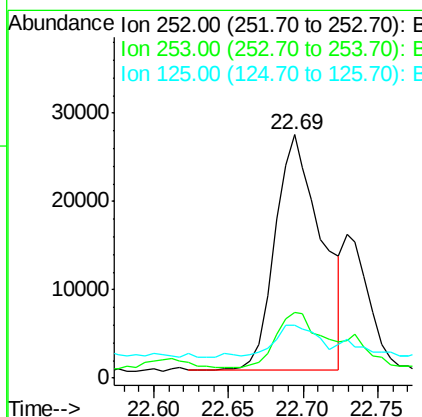
RT: 22.69 min Scan# 3405

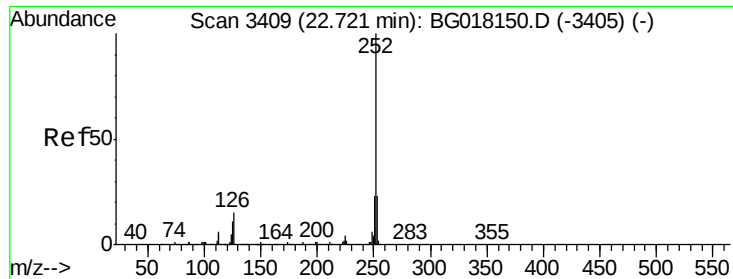
Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Tgt Ion:	252	Resp:	57906
Ion Ratio	Lower	Upper	
252	100		
253	27.1	18.5	27.7
125	21.6	9.1	13.7#





#89

Benzo(k)fluoranthene

Concen: 1.35 ng/ul m

RT: 22.73 min Scan# 3411

Delta R.T. 0.01 min

Lab File: BG018162.D

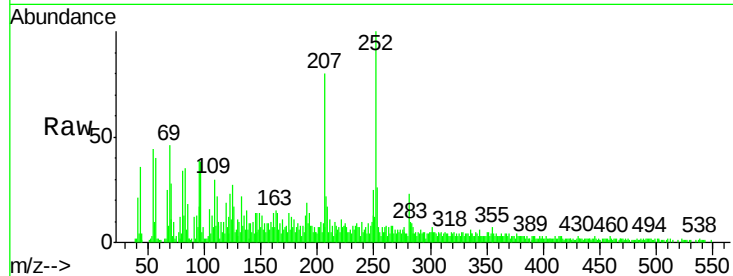
Acq: 29 Jul 2015 00:28

Instrument :

BNA_G

ClientSampleId :

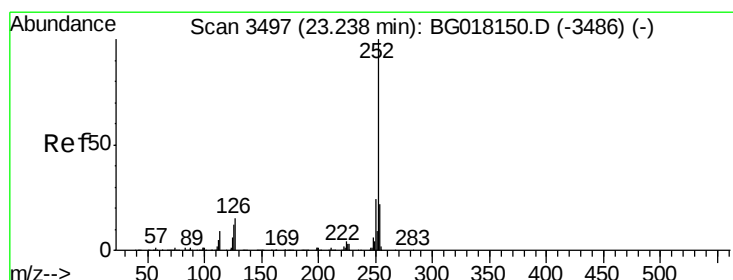
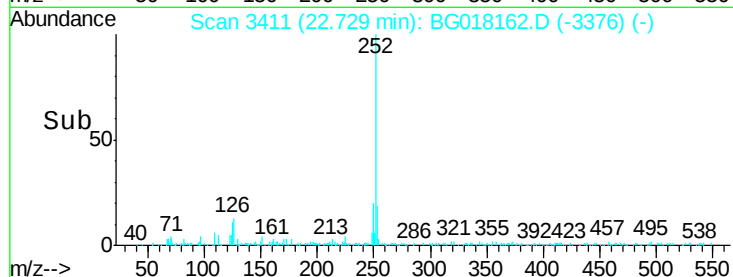
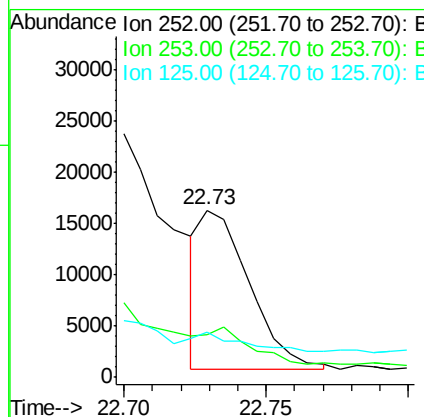
C02D9DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.8
125	26.7	9.3	13.9#

Manual Integrations
APPROVED

apatel
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#91

Benzo(a)pyrene

Concen: 2.29 ng/ul

RT: 23.25 min Scan# 3500

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.2	18.0	27.0#
125	29.8	10.2	15.2#

