

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
 Data File : BG029462.D
 Acq On : 26 Oct 2017 3:56
 Operator : SJ/JU
 Sample : I5792-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0D03

Manual Integrations
 APPROVED

Sohil
 10/27/2017 5:32:14 PM

Quant Time: Oct 26 15:51:38 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 24 23:55:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	101329	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.99	136	469283	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	296495	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	642844	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	688627	20.00	ng/ul	0.00
83) Perylene-d12	25.13	264	739329m	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	15381	6.17	ng/uL	0.00
5) Phenol-d5	7.31	99	342141	35.18	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	210585	34.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	282553	41.18	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	265704	33.83	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	151031	44.83	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	183758	53.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	321492	40.87	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	211414m	23.13	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	962069	37.95	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1236167	40.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	118674	25.36	ng/ul	0.00
57) Fluorene-d10	15.77	176	877562	42.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	143577	45.76	ng/ul	0.00
70) Anthracene-d10	17.62	188	1251907	41.18	ng/ul	0.00
76) Pyrene-d10	19.90	212	1440374	40.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.90	264	1447625	41.34	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.34	94	41109	4.085	ng/ul 93
28) Naphthalene	11.03	128	73926	2.977	ng/ul 98
34) 2-Methylnaphthalene	12.62	142	86683	4.217	ng/ul 99
44) Dimethylphthalate	14.22	163	58277m	2.357	ng/ul
47) Acenaphthylene	14.51	152	118231	3.760	ng/ul# 84
49) Acenaphthene	14.85	153	42284	1.965	ng/ul# 88
53) Dibenzofuran	15.18	168	40194	1.367	ng/ul# 87
58) Fluorene	15.83	166	195986	8.352	ng/ul 95
69) Phenanthrene	17.57	178	2875068m	82.732	ng/ul
71) Anthracene	17.66	178	129902	3.623	ng/ul 99
72) Carbazole	17.92	167	65648	2.037	ng/ul 96
74) Fluoranthene	19.57	202	2901227	74.700	ng/ul# 92
77) Pyrene	19.93	202	3509111	76.033	ng/ul# 86
80) Benzo(a)anthracene	21.78	228	1891680	43.833	ng/ul# 90
82) Chrysene	21.86	228	2303972	58.757	ng/ul# 89
85) Benzo(b)fluoranthene	24.08	252	2074410	46.737	ng/ul 96
86) Benzo(k)fluoranthene	24.13	252	742609m	17.305	ng/ul
88) Benzo(a)pyrene	24.98	252	1777635	41.145	ng/ul 95
89) Indeno(1,2,3-cd)pyrene	28.94	276	1163586m	23.805	ng/ul
90) Dibenzo(a,h)anthracene	28.97	278	370827m	9.132	ng/ul
91) Benzo(a,h,i)perylene	30.13	276	1139123m	28.115	ng/ul

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Misc :
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BNA_G
ClientSampleId :
B0D03

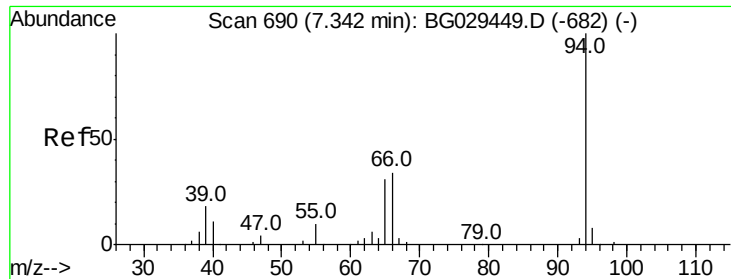
Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 24 23:55:53 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 4.085 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

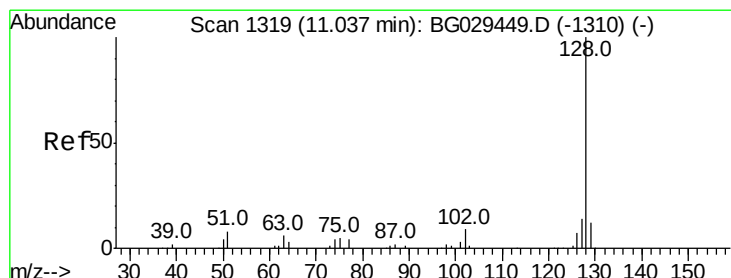
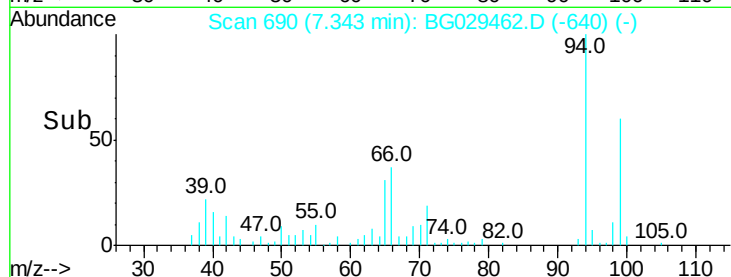
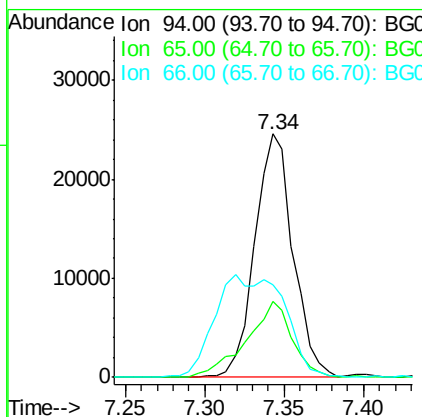
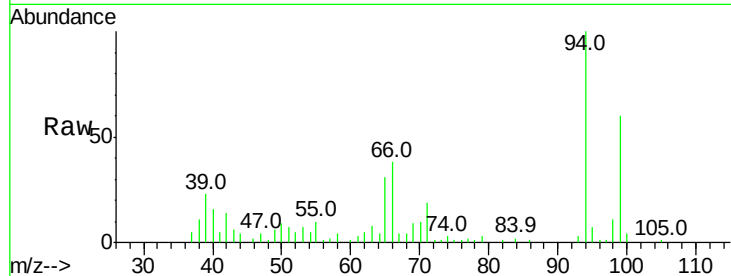
ClientSampleId :

B0D03

Tot Ion:	94	Resp:	41109
Ion Ratio	Lower	Upper	
94	100		
65	31.2	27.1	40.7
66	38.0	34.6	52.0

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#28

Naphthalene

Concen: 2.977 ng/ul

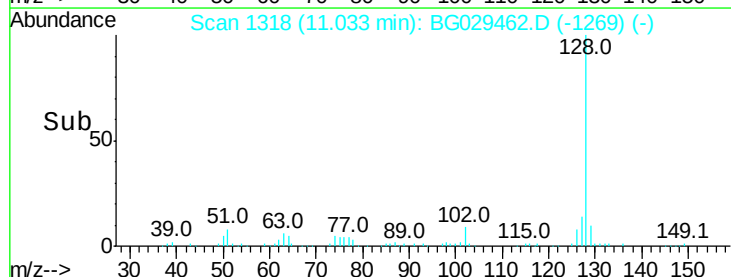
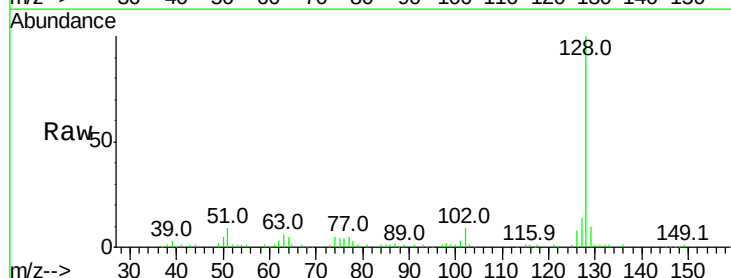
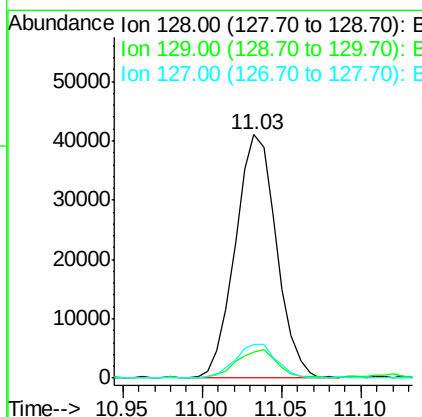
RT: 11.03 min Scan# 1318

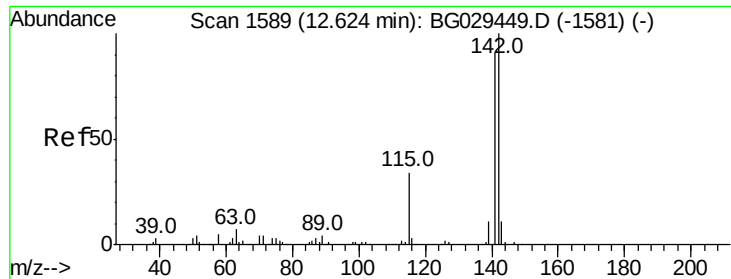
Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Tgt Ion:	128	Resp:	73926
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.3	13.9
127	13.9	10.7	16.1





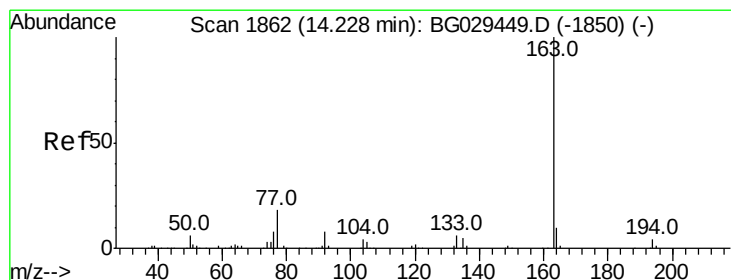
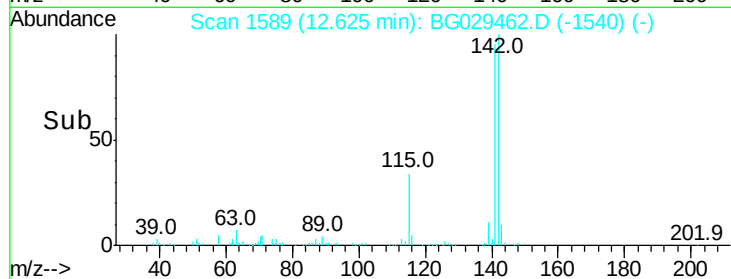
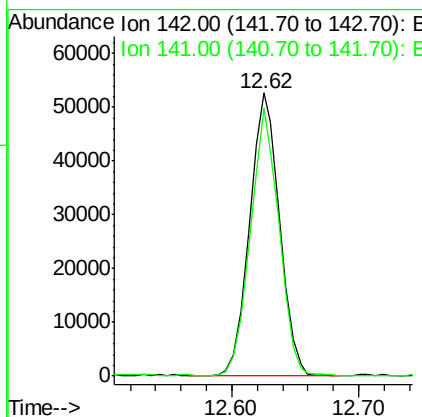
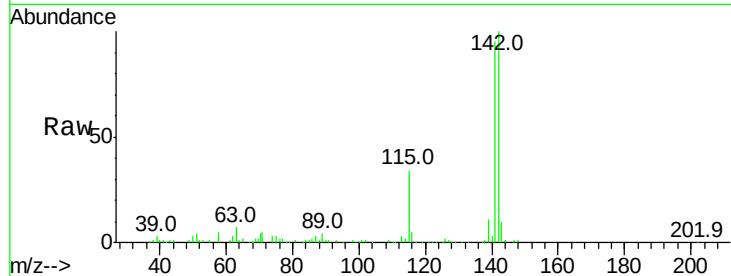
#34
 2-Methylnaphthalene
 Concen: 4.217 ng/ul
 RT: 12.62 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BG029462.D
 Acq: 26 Oct 2017 3:56

Instrument :
 BNA_G
 ClientSampleId :
 B0D03

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.8	75.4	113.0

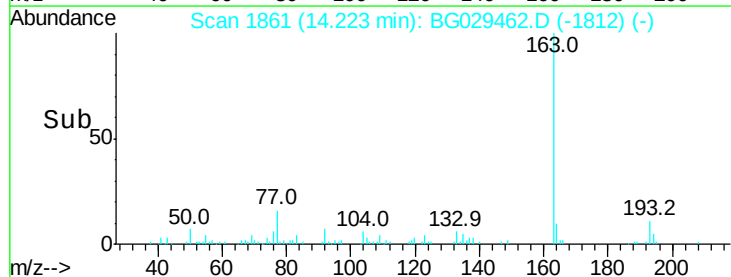
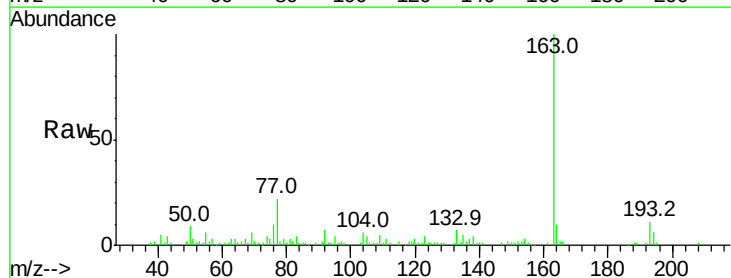
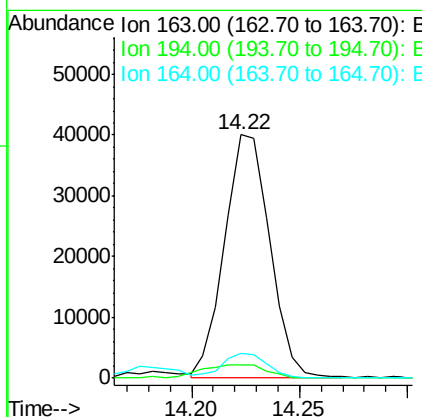
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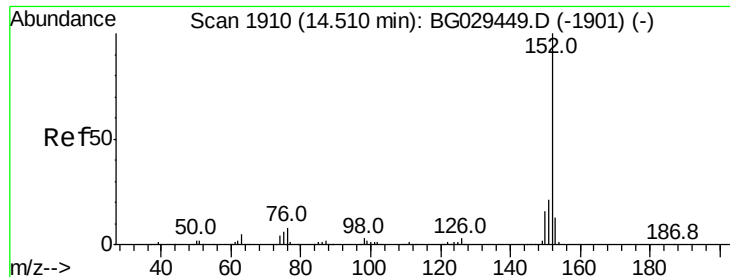
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#44
 Dimethylphthalate
 Concen: 2.357 ng/ul m
 RT: 14.22 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: BG029462.D
 Acq: 26 Oct 2017 3:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.5	5.3#
164	10.4	7.6	11.4





#47

Acenaphthylene

Concen: 3.760 ng/ul

RT: 14.51 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

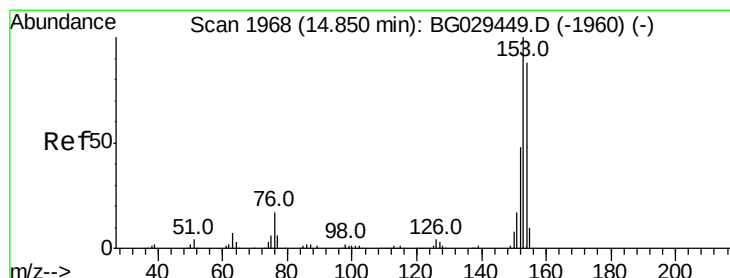
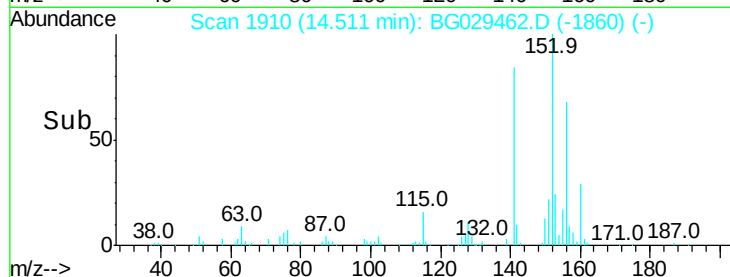
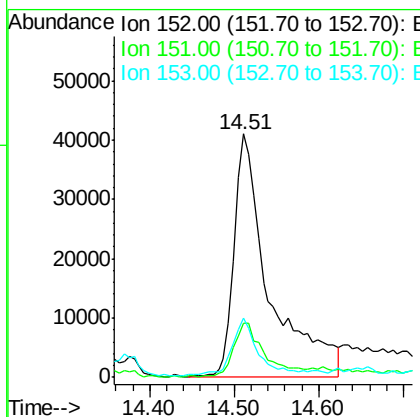
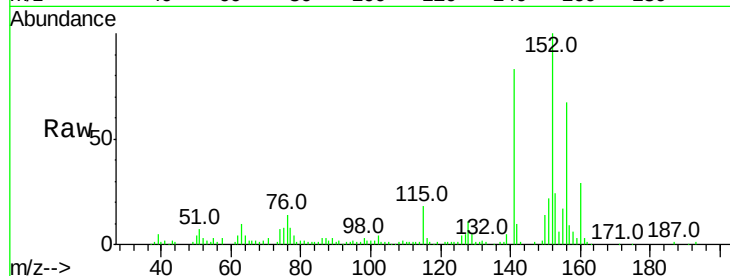
ClientSampled :

B0D03

Tot Ion	Ratio	Resp	Lower	Upper
152	100	118231		
151	22.4		15.2	22.8
153	24.2		10.2	15.4#

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#49

Acenaphthene

Concen: 1.965 ng/ul

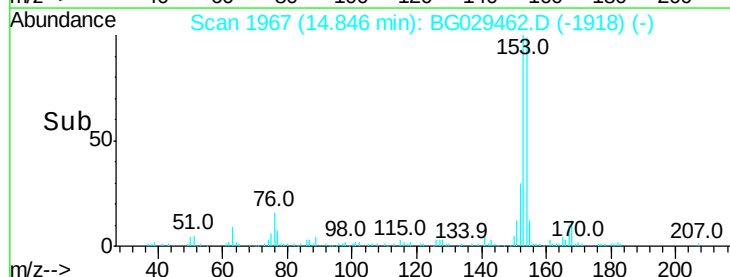
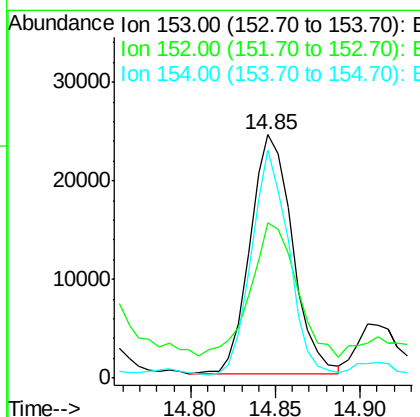
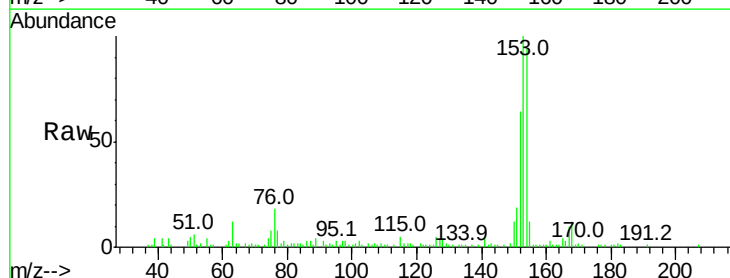
RT: 14.85 min Scan# 1967

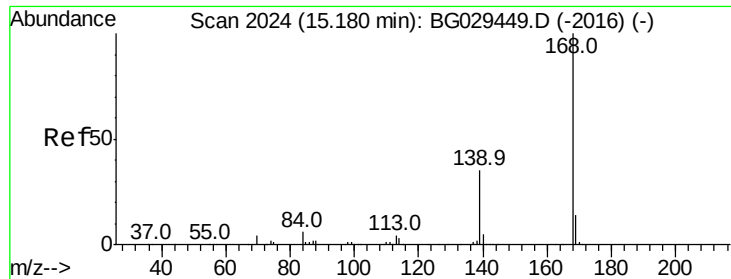
Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	42284		
152	63.8		38.2	57.2#
154	93.7		70.6	105.8





#53

Dibenzenofuran

Concen: 1.367 ng/ul

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

ClientSampled :

B0D03

Tot Ion:168 Resp: 40194

Ion Ratio Lower Upper

168 100

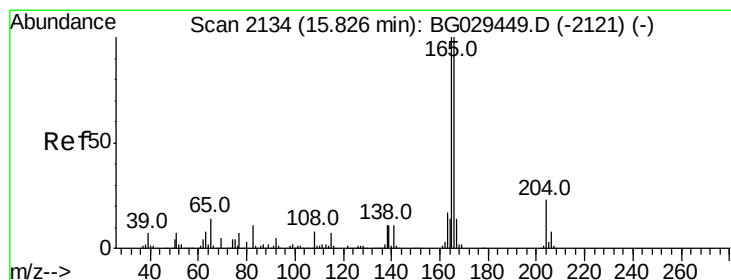
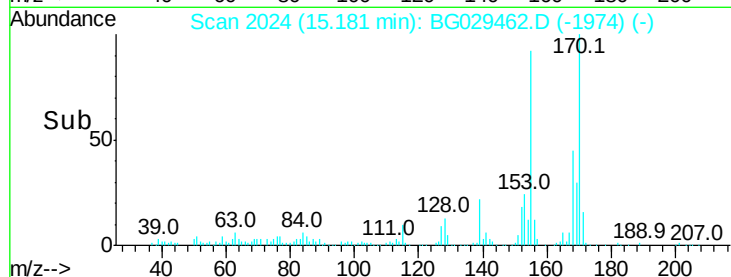
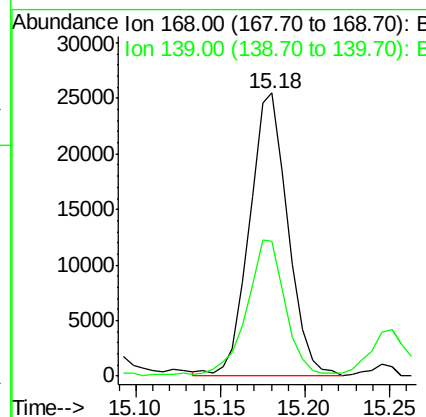
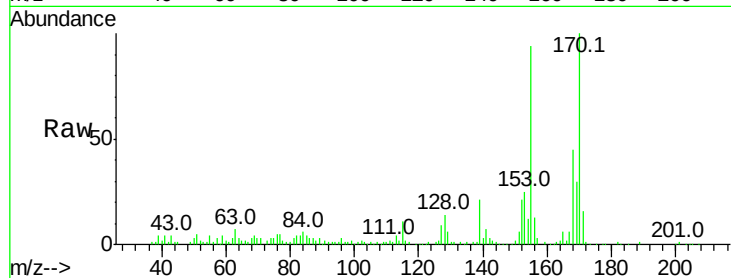
139 47.5 31.4 47.2#

Manual Integrations

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#58

Fluorene

Concen: 8.352 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

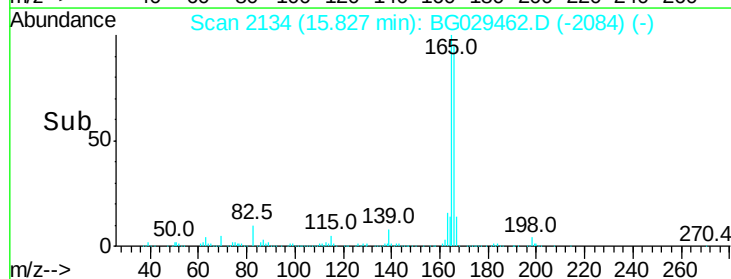
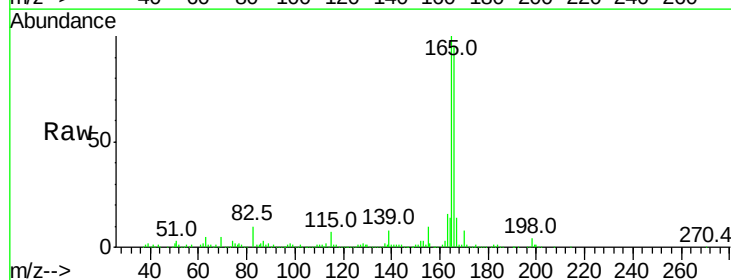
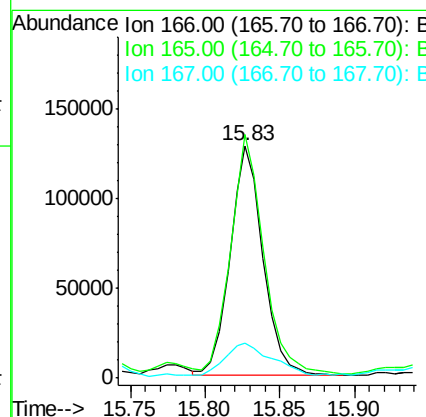
Tgt Ion:166 Resp: 195986

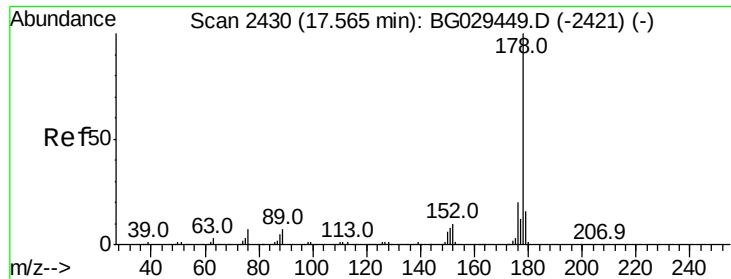
Ion Ratio Lower Upper

166 100

165 104.9 79.9 119.9

167 14.9 10.6 16.0





#69

Phenanthrene

Concen: 82.732 ng/ul m

RT: 17.57 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

ClientSampleId :

B0D03

Tot Ion:178 Resp: 2875068

Ion Ratio Lower Upper

178 100

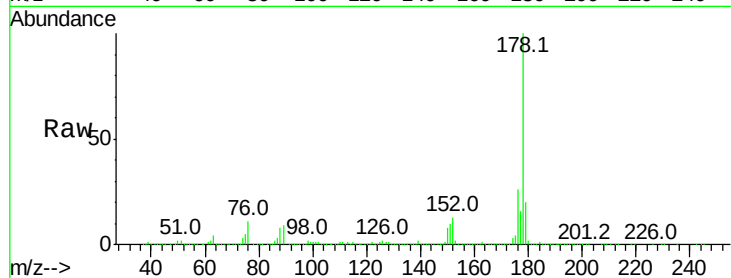
179 20.2 13.0 19.6#

176 25.8 15.3 22.9#

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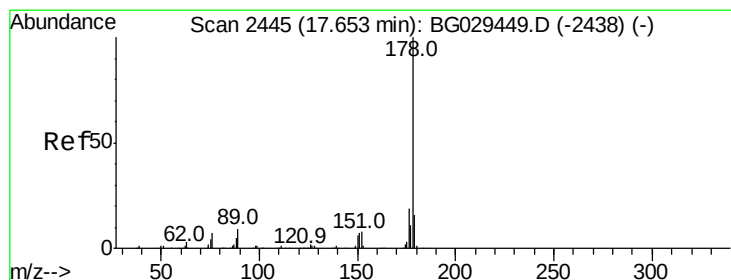
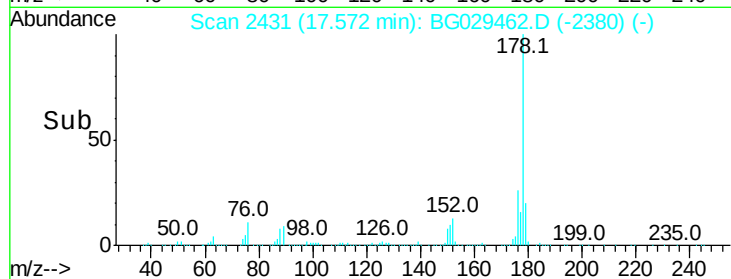
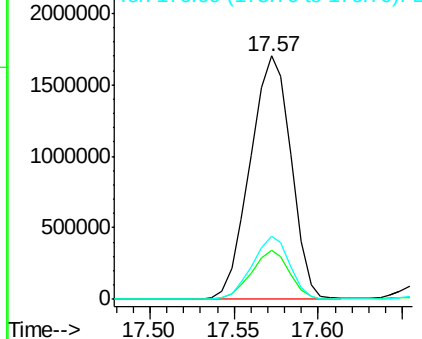
10/27/2017 5:32:14 PM



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



#71

Anthracene

Concen: 3.623 ng/ul

RT: 17.66 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

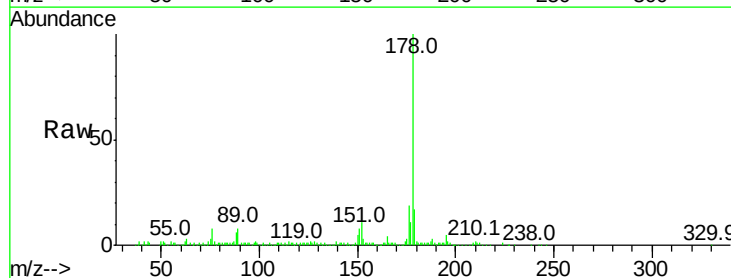
Tgt Ion:178 Resp: 129902

Ion Ratio Lower Upper

178 100

179 16.6 13.2 19.8

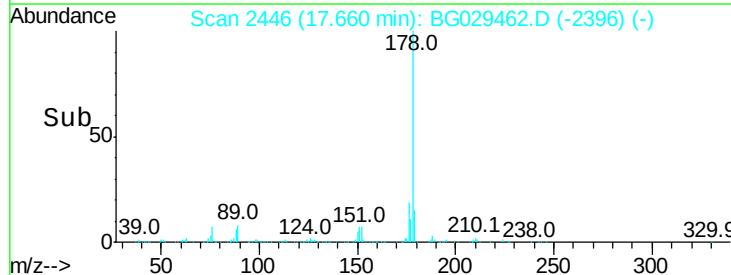
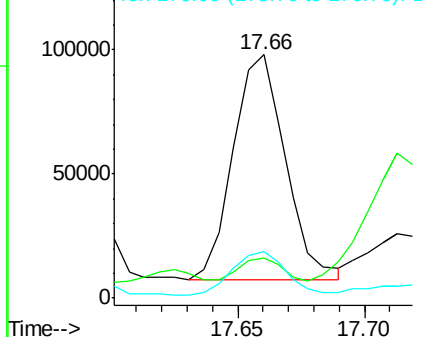
176 19.3 16.0 24.0

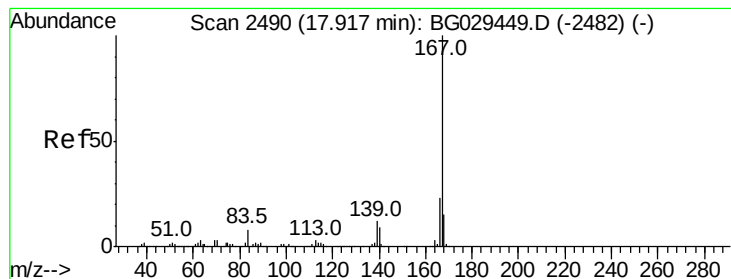


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.037 ng/ul

RT: 17.92 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

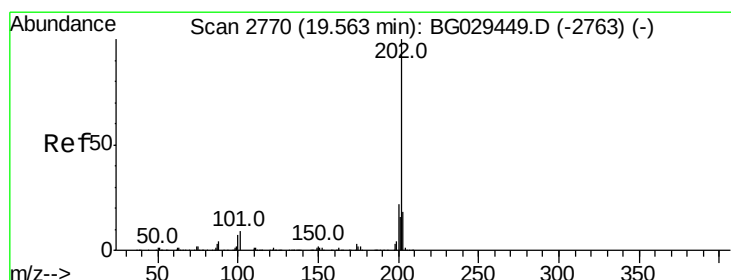
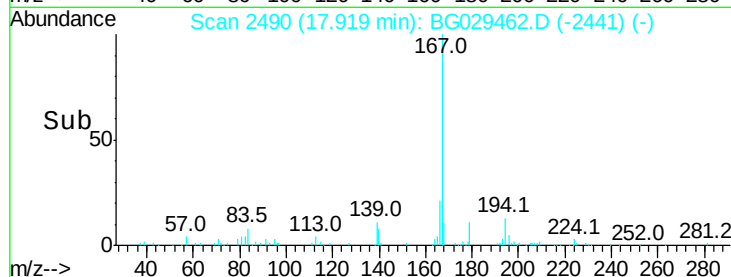
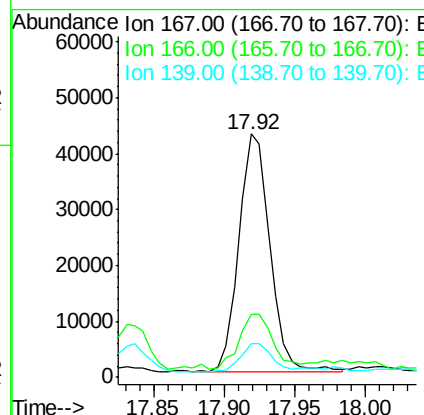
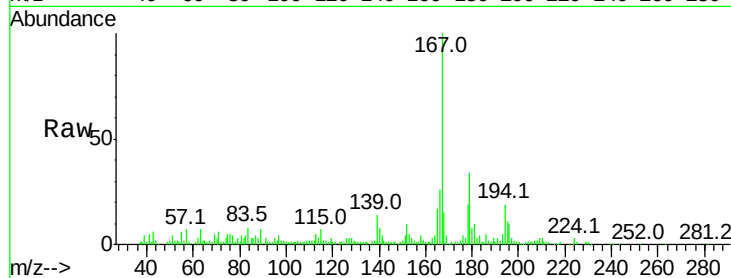
ClientSampleId :

B0D03

Tot Ion:	167	Resp:	65648
Ion Ratio	Lower	Upper	
167	100		
166	26.1	18.6	28.0
139	13.6	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 74.700 ng/ul

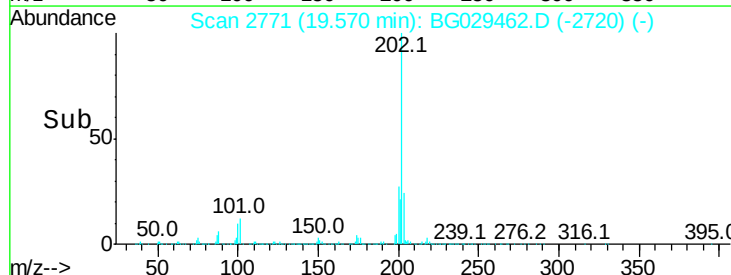
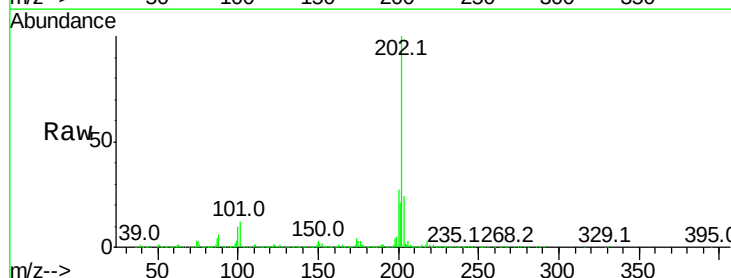
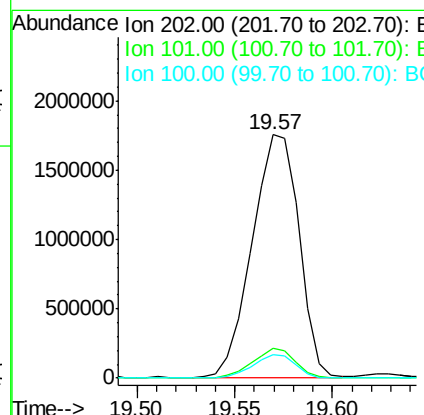
RT: 19.57 min Scan# 2771

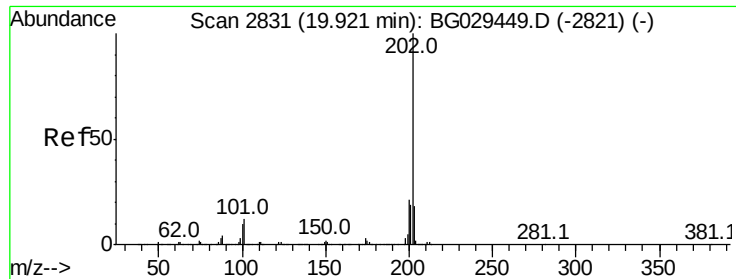
Delta R.T. -0.00 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Tgt Ion:	202	Resp:	2901227
Ion Ratio	Lower	Upper	
202	100		
101	12.3	7.4	11.2#
100	9.9	5.6	8.4#





#77

Pvrene

Concen: 76.033 ng/ul

RT: 19.93 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

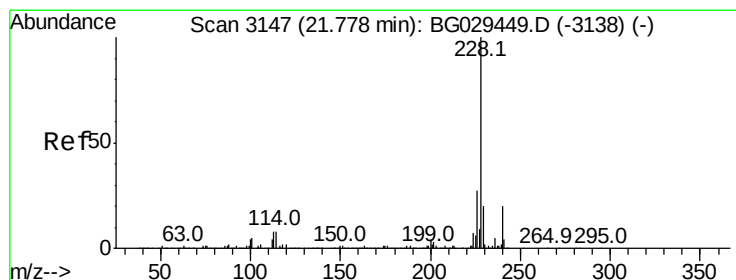
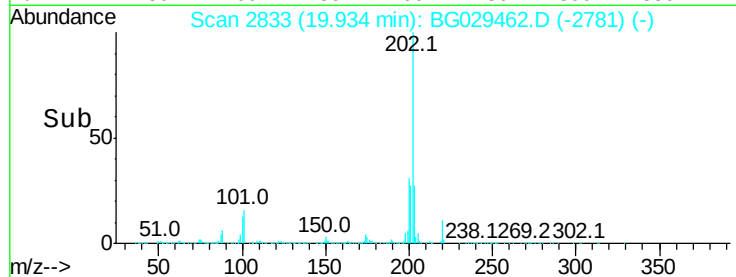
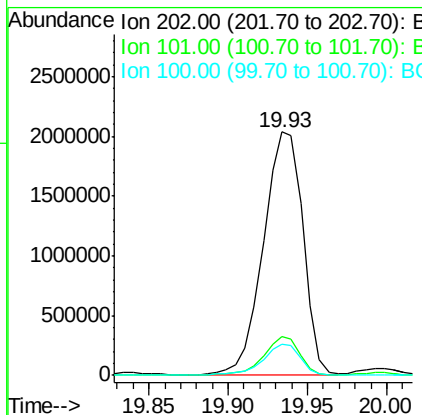
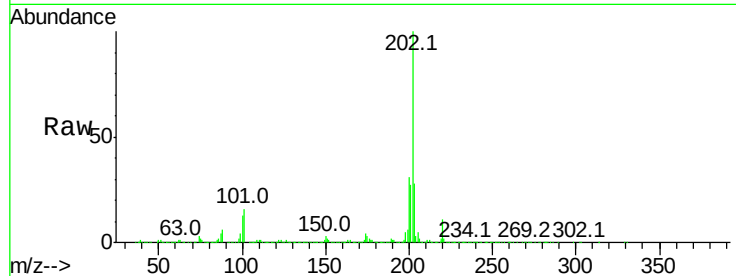
ClientSampled :

B0D03

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.1	8.4	12.6#
100	13.1	7.0	10.6#

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#80

Benzo(a)anthracene

Concen: 43.833 ng/ul

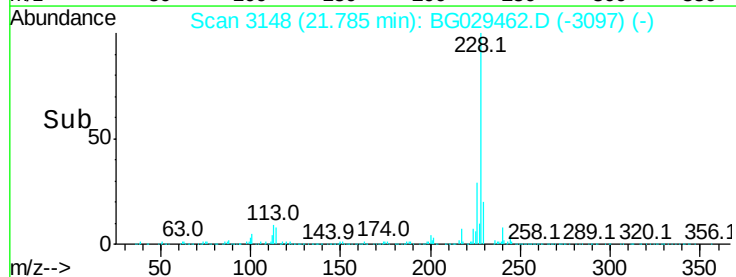
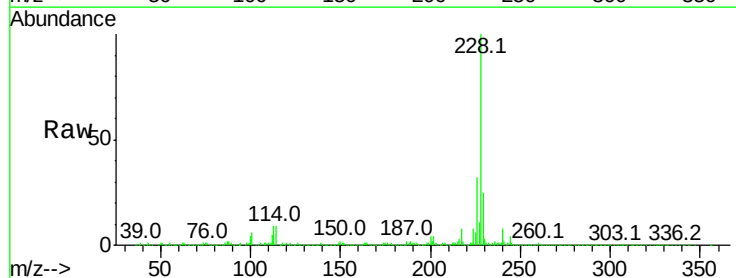
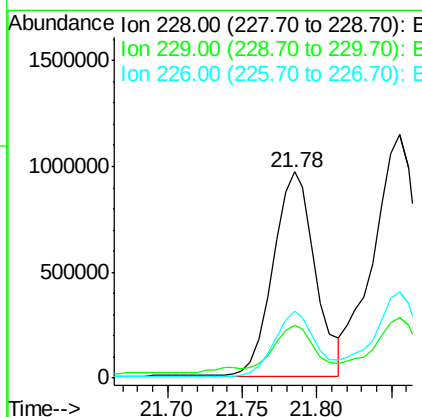
RT: 21.78 min Scan# 3148

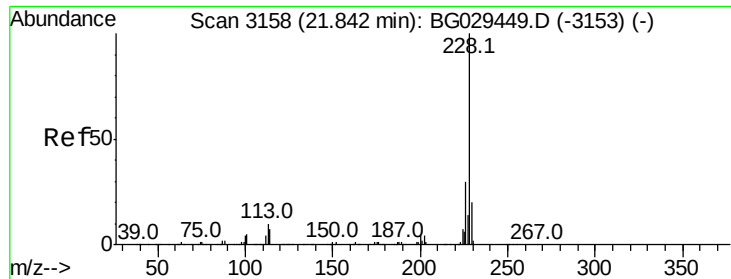
Delta R.T. -0.00 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.4	16.2	24.4#
226	32.2	22.2	33.2





#82

Chrysene

Concen: 58.757 ng/ul

RT: 21.86 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

ClientSampled :

B0D03

Tot Ion:228 Resp: 2303972

Ion Ratio Lower Upper

228 100

226 35.6 24.2 36.2

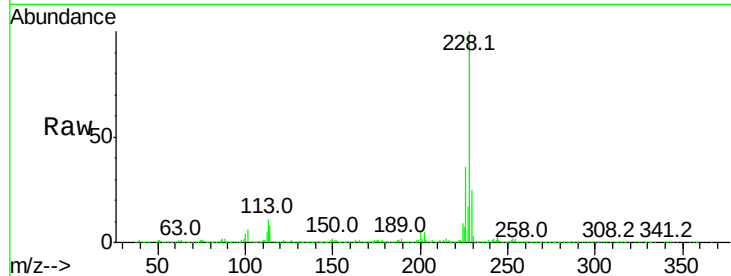
229 24.9 15.2 22.8#

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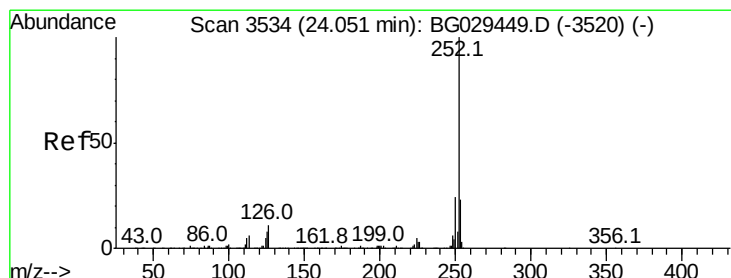
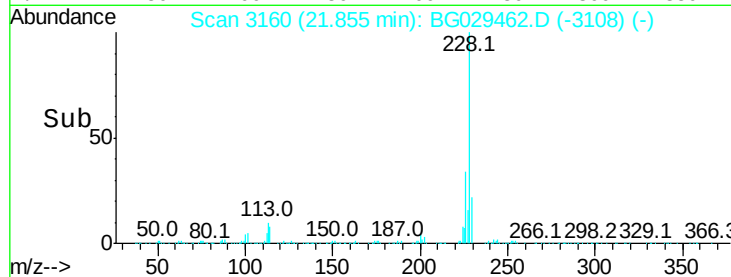
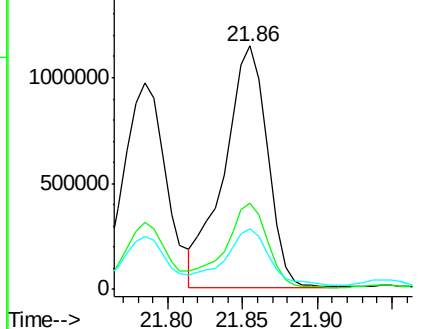
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 46.737 ng/ul

RT: 24.08 min Scan# 3539

Delta R.T. 0.02 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Tgt Ion:252 Resp: 2074410

Ion Ratio Lower Upper

252 100

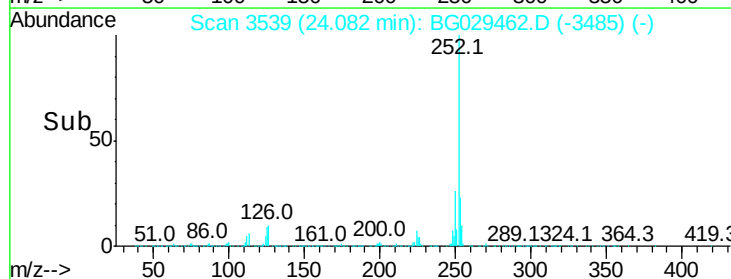
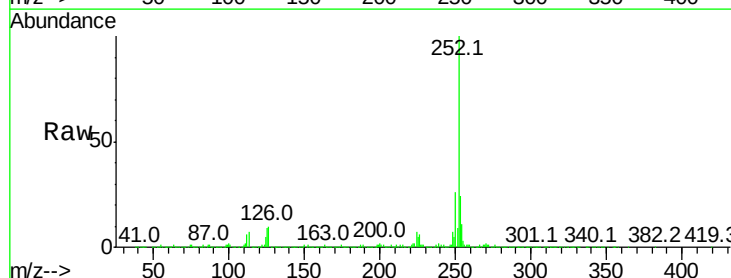
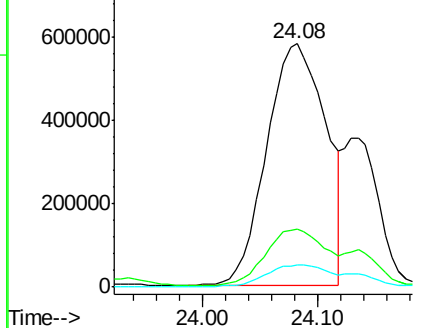
253 23.8 17.0 25.4

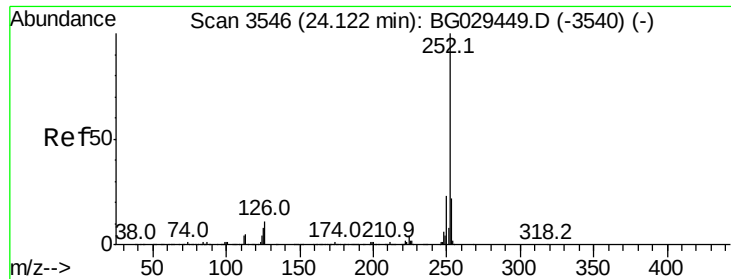
125 9.1 7.5 11.3

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 17.305 ng/ul m

RT: 24.13 min Scan# 3548

Delta R.T. -0.00 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

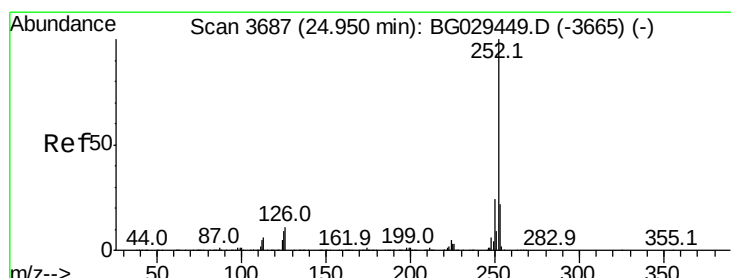
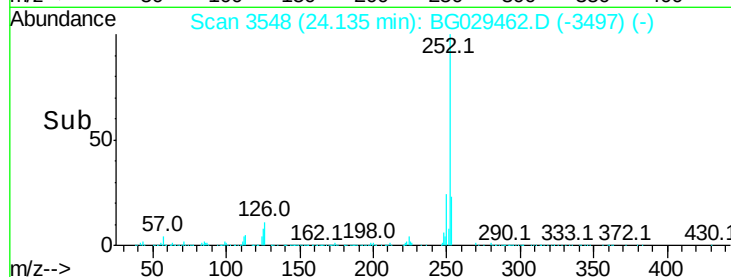
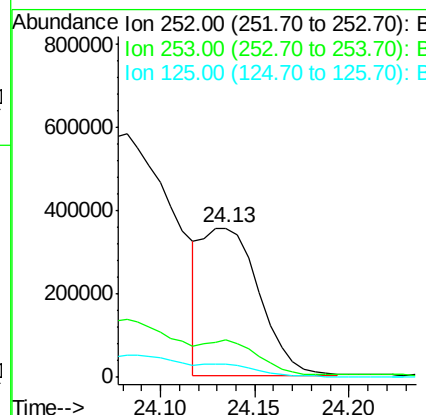
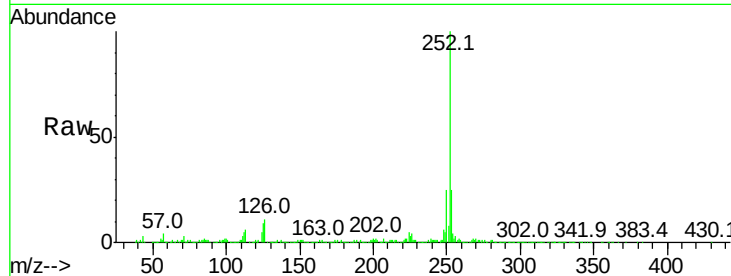
ClientSampleId :

B0D03

Tot Ion:	252	Resp:	742609
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.2	25.8
125	8.9	7.8	11.8

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#88

Benzo(a)pyrene

Concen: 41.145 ng/ul

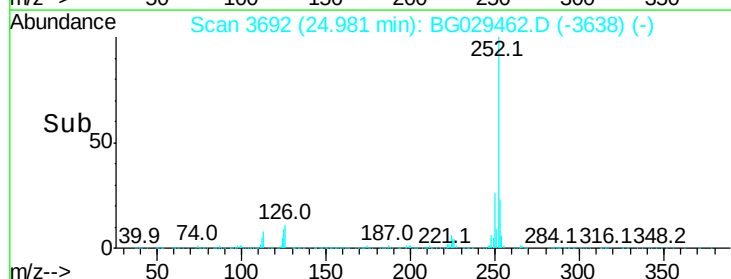
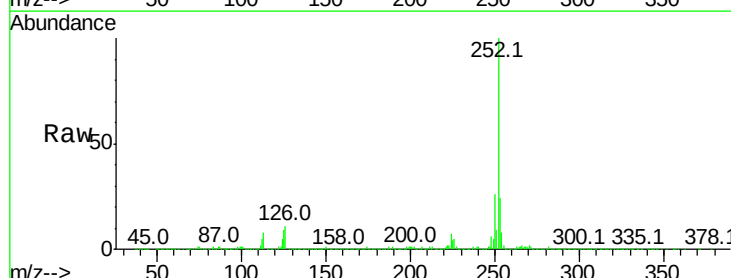
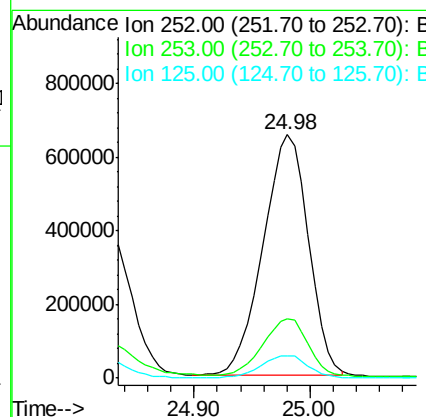
RT: 24.98 min Scan# 3692

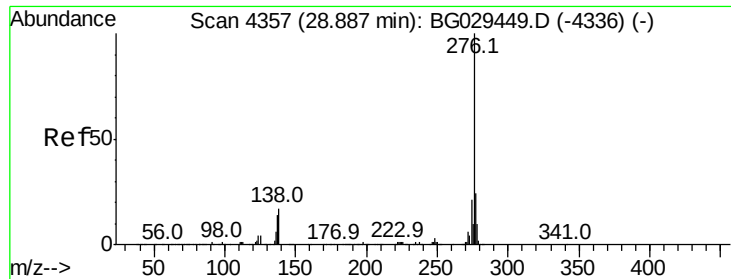
Delta R.T. 0.02 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Tgt Ion:	252	Resp:	1777635
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.1	25.7
125	9.3	7.8	11.8





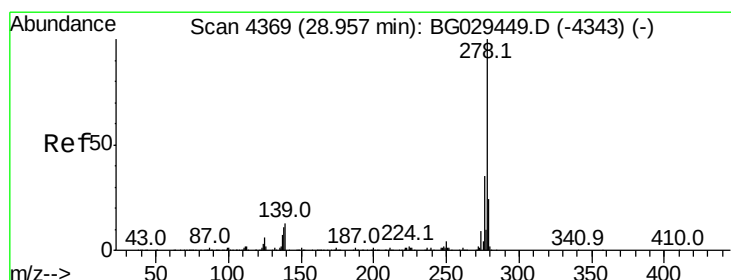
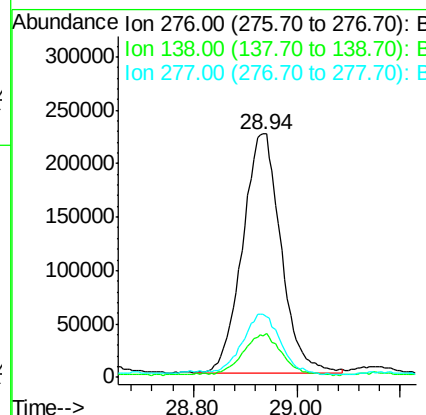
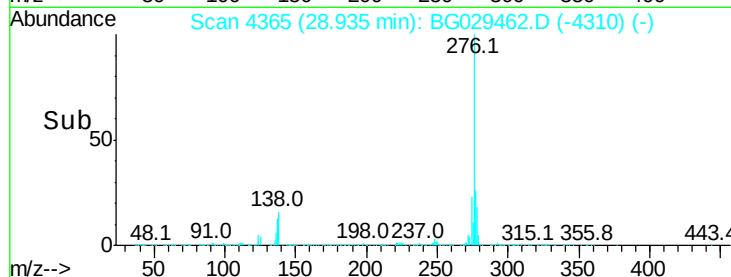
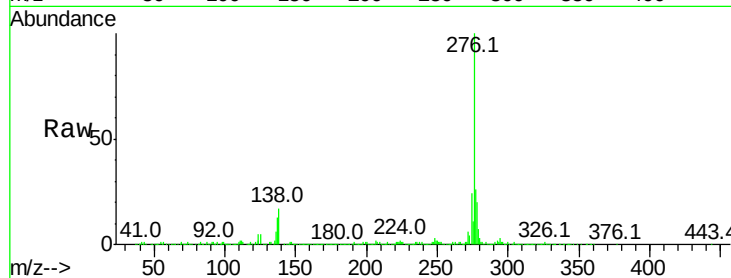
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 23.805 ng/ul m
 RT: 28.94 min Scan# 4365
 Delta R.T. 0.02 min
 Lab File: BG029462.D
 Acq: 26 Oct 2017 3:56

Instrument :
 BNA_G
 ClientSampleId :
 B0D03

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.4	20.0
277	25.9	18.6	28.0

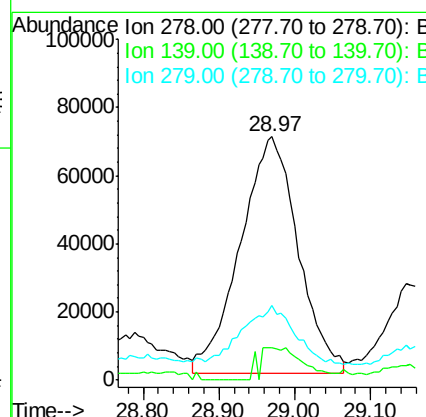
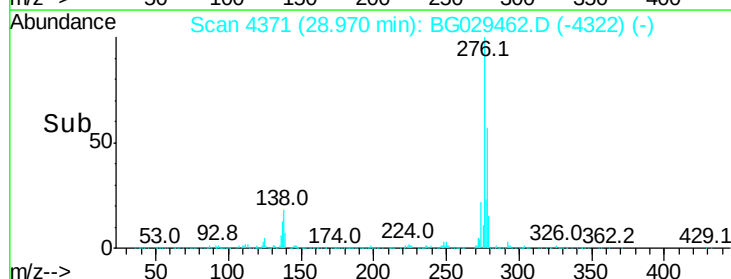
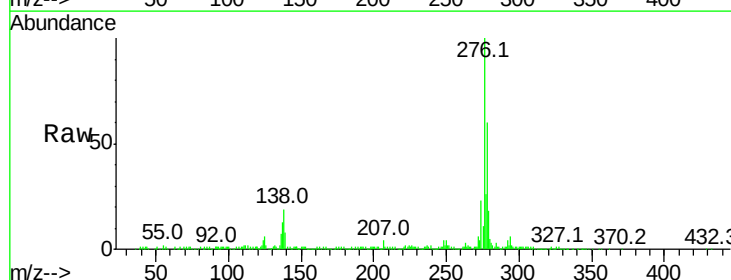
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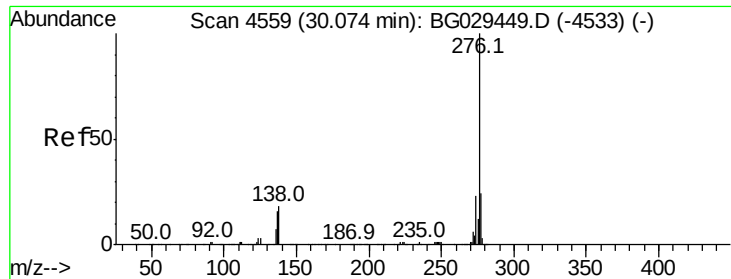
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#90
 Dibenzo(a,h)anthracene
 Concen: 9.132 ng/ul m
 RT: 28.97 min Scan# 4371
 Delta R.T. -0.01 min
 Lab File: BG029462.D
 Acq: 26 Oct 2017 3:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.5	9.4	14.2
279	30.5	18.4	27.6#





#91

Benzo(a,h,i)perylene

Concen: 28.115 ng/ul m

RT: 30.13 min Scan# 4568

Delta R.T. 0.03 min

Lab File: BG029462.D

Acq: 26 Oct 2017 3:56

Instrument :

BNA_G

ClientSampleId :

B0D03

Tot Ion:276 Resp: 1139123

Ion Ratio Lower Upper

276 100

138 18.0 12.1 18.1

277 25.6 17.7 26.5

Manual Integrations

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