

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
 Data File : BG029421.D
 Acq On : 24 Oct 2017 12:42
 Operator : SJ/JU
 Sample : I5925-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3L0

Manual Integrations
 APPROVED

Sohil
 10/25/2017 6:27:02 PM

Quant Time: Oct 24 14:59:03 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 07:42:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	66878	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	322030	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	219615	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.52	188	516785	20.00	ng/ul	-0.01
75) Chrysene-d12	21.80	240	549570	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	563738	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	8825	5.36	ng/uL	0.00
5) Phenol-d5	7.31	99	173971	27.10	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	98196	24.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	133998	29.59	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	150587	29.05	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	66350	28.70	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.06	143	80208	33.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	157791	29.23	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	170657	27.21	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	510222	27.17	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	637182	27.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	65367	18.86	ng/ul	0.00
57) Fluorene-d10	15.77	176	463782	30.16	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.88	200	60296	23.90	ng/ul	0.00
70) Anthracene-d10	17.62	188	674576	27.60	ng/ul	-0.01
76) Pyrene-d10	19.89	212	781983	27.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	764655	28.64	ng/ul	-0.01

Target Compounds

					Ovalue
4) Benzaldehyde	7.29	77	4468	1.127 ng/ul#	78
6) Phenol	7.34	94	10211	1.537 ng/ul	95
28) Naphthalene	11.03	128	20110	1.180 ng/ul	98
34) 2-Methylnaphthalene	12.62	142	19294	1.368 ng/ul	96
44) Dimethylphthalate	14.22	163	42378	2.314 ng/ul#	98
49) Acenaphthene	14.84	153	46431	2.914 ng/ul	93
58) Fluorene	15.83	166	43804	2.520 ng/ul	95
69) Phenanthrene	17.56	178	1069321	38.276 ng/ul	97
71) Anthracene	17.65	178	111300	3.861 ng/ul	98
74) Fluoranthene	19.56	202	901224	28.865 ng/ul	100
77) Pyrene	19.93	202	1441679	39.141 ng/ul	98
80) Benzo(a)anthracene	21.77	228	663687	19.270 ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.67	149	76230	3.522 ng/ul#	98
82) Chrysene	21.84	228	734900	23.484 ng/ul	98
85) Benzo(b)fluoranthene	24.05	252	550578	16.269 ng/ul	98
86) Benzo(k)fluoranthene	24.11	252	142236m	4.347 ng/ul	
88) Benzo(a)pyrene	24.95	252	436518	13.251 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.88	276	243040	6.521 ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	92079m	2.974 ng/ul	
91) Benzo(g,h,i)perylene	30.06	276	277606	8.986 ng/ul	94

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

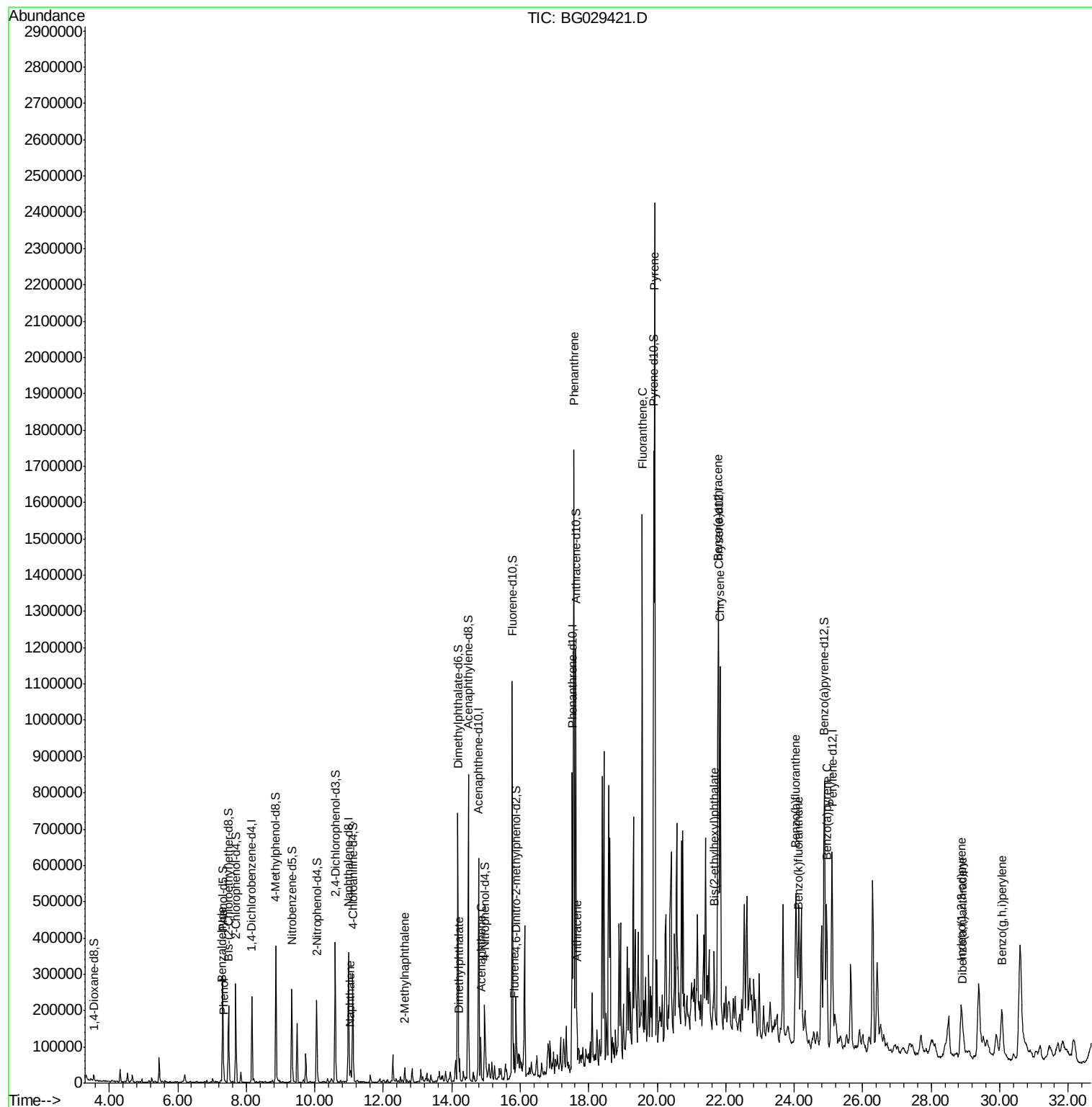
Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
Data File : BG029421.D
Acq On : 24 Oct 2017 12:42
Operator : SJ/JU
Sample : I5925-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

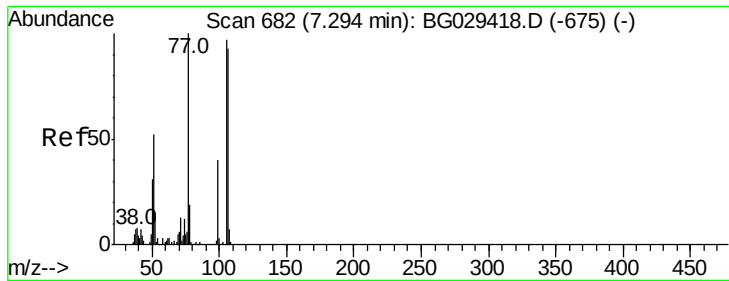
Instrument :
BNA_G
ClientSampled :
CB3L0

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Quant Time: Oct 24 14:59:03 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 17 07:42:23 2017
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.127 ng/ul

RT: 7.29 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Instrument :

BNA_G

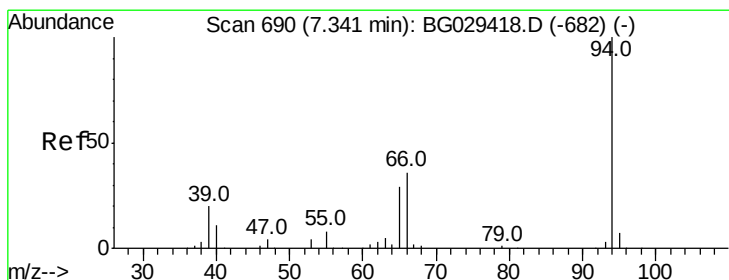
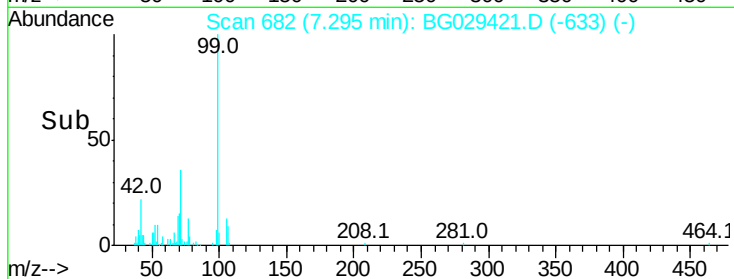
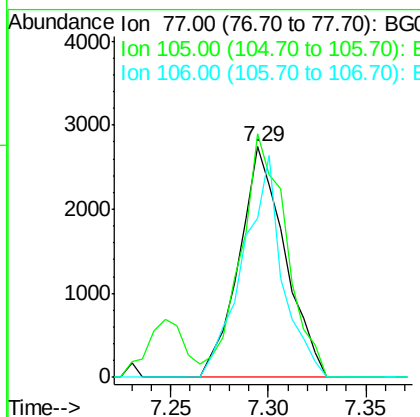
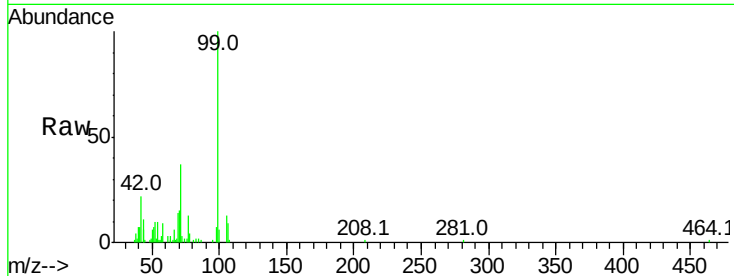
ClientSampleId :

CB3L0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		4468		
105	105.6	70.5	105.7		
106	69.0	74.1	111.1#		

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#6

Phenol

Concen: 1.537 ng/ul

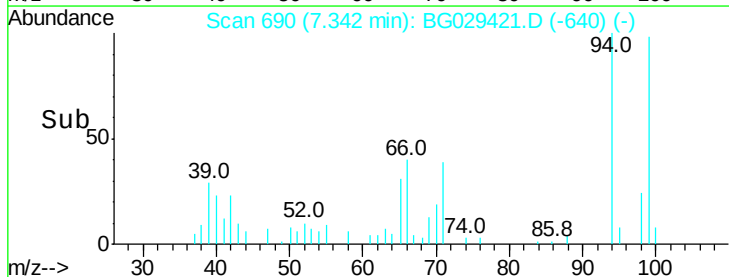
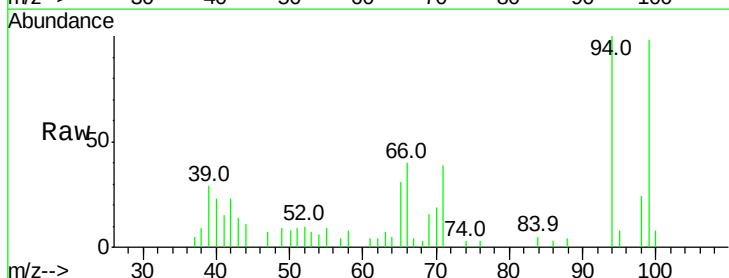
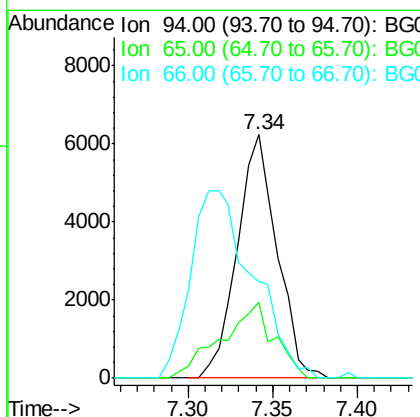
RT: 7.34 min Scan# 690

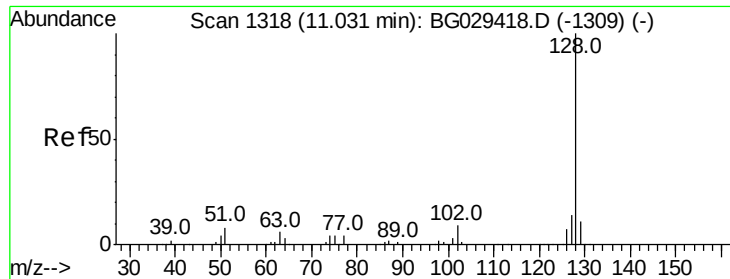
Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		10211		
65	31.1	27.1	40.7		
66	39.6	34.6	52.0		





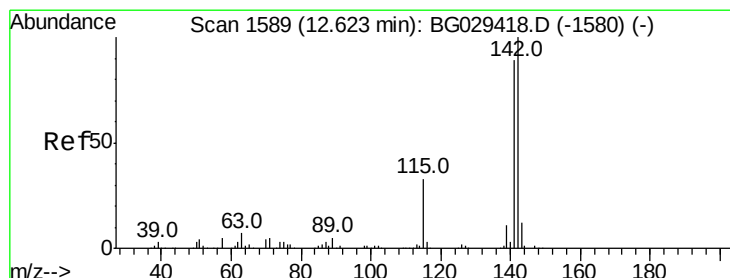
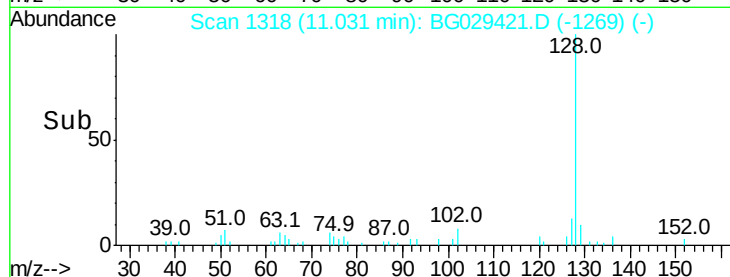
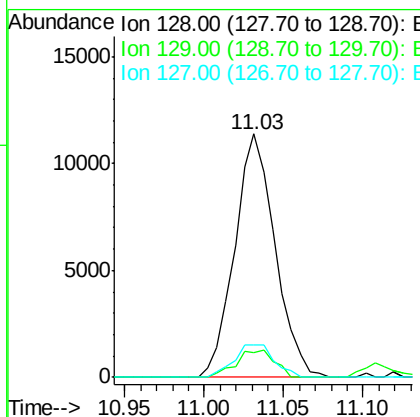
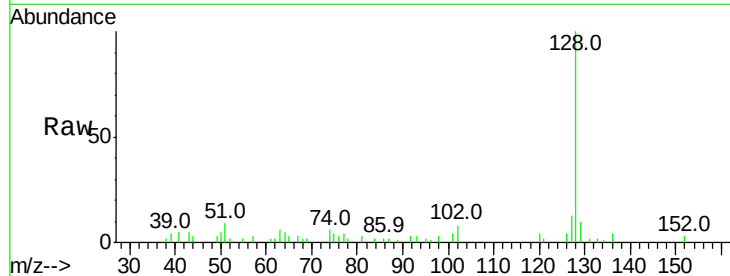
#28
Naphthalene
Concen: 1.180 ng/ul
RT: 11.03 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG029421.D
Acq: 24 Oct 2017 12:42

Instrument :
BNA_G
ClientSampled :
CB3L0

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.3	13.9
127	13.4	10.7	16.1

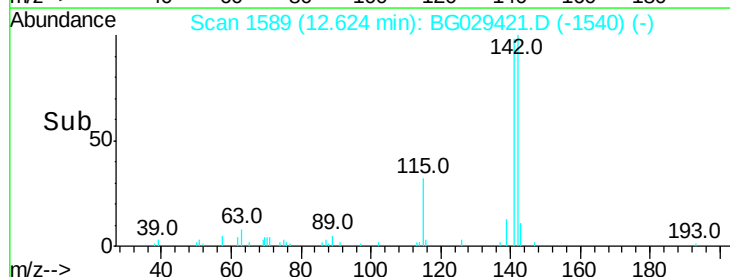
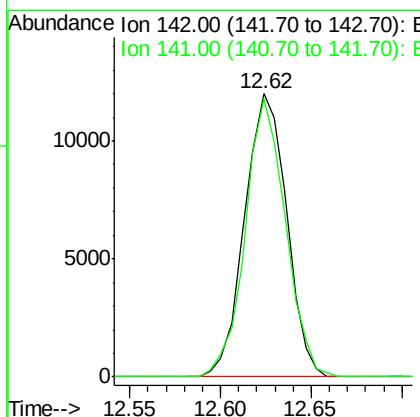
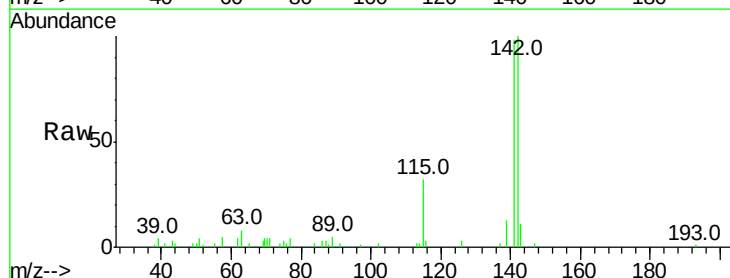
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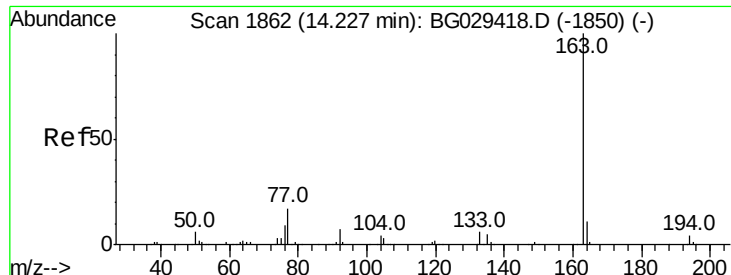
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#34
2-Methylnaphthalene
Concen: 1.368 ng/ul
RT: 12.62 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029421.D
Acq: 24 Oct 2017 12:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.1	75.4	113.0





#44

Dimethylphthalate

Concen: 2.314 ng/ul

RT: 14.22 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Instrument :

BNA_G

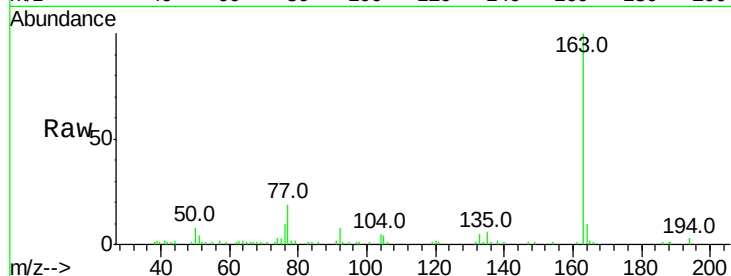
ClientSampled :

CB3L0

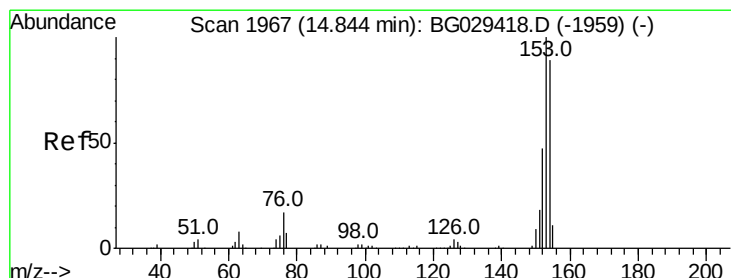
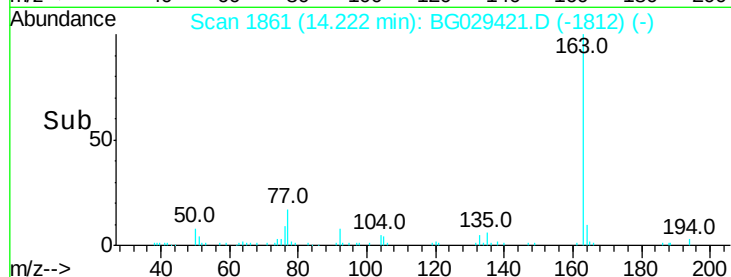
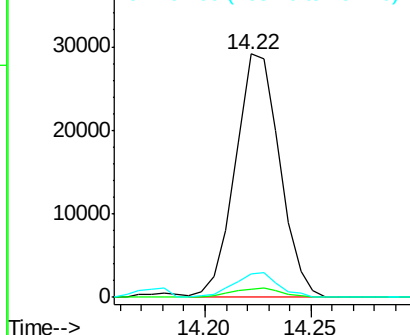
Tot Ion:	163	Resp:	42378
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.5	5.3#
164	9.8	7.6	11.4

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 2.914 ng/ul

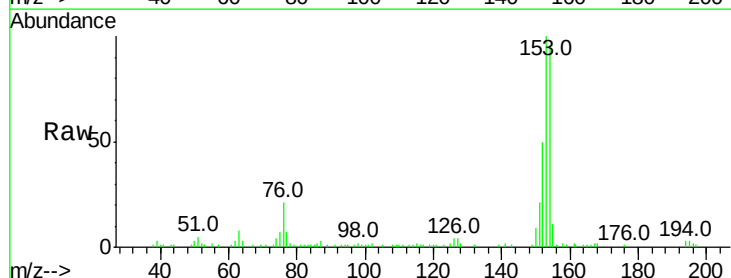
RT: 14.84 min Scan# 1967

Delta R.T. -0.01 min

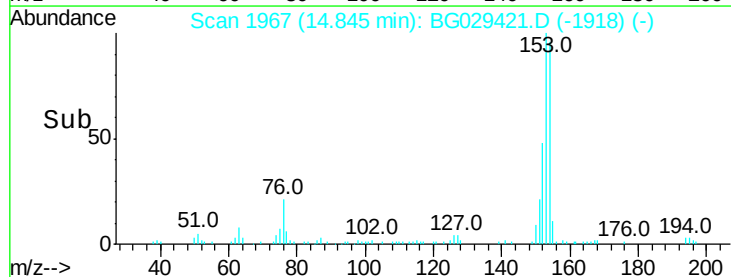
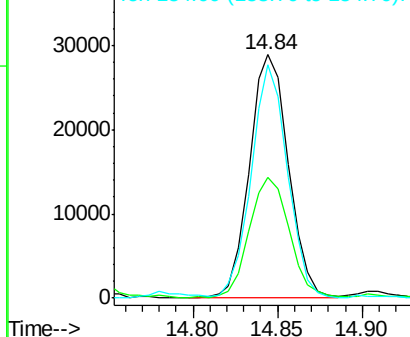
Lab File: BG029421.D

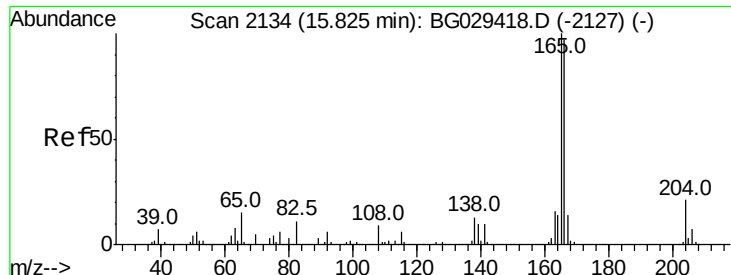
Acq: 24 Oct 2017 12:42

Tgt Ion:	153	Resp:	46431
Ion Ratio	Lower	Upper	
153	100		
152	49.8	38.2	57.2
154	96.0	70.6	105.8



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





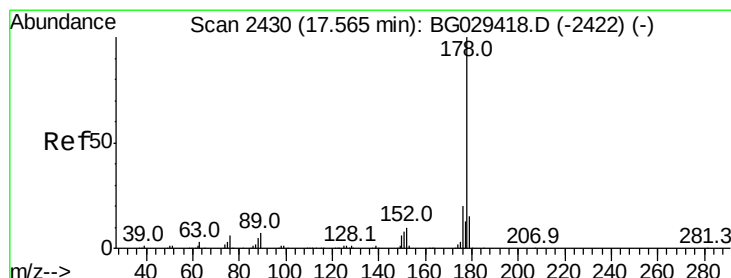
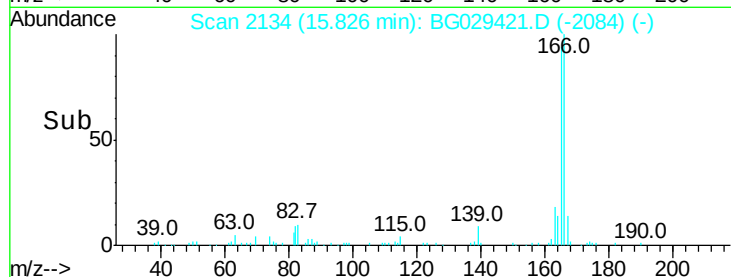
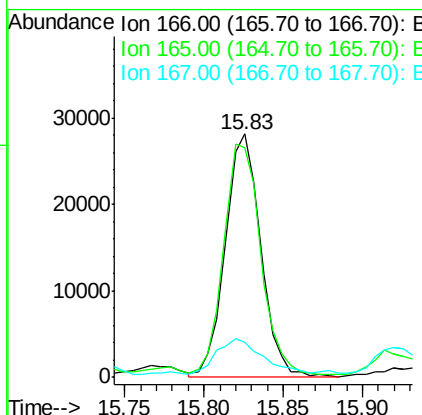
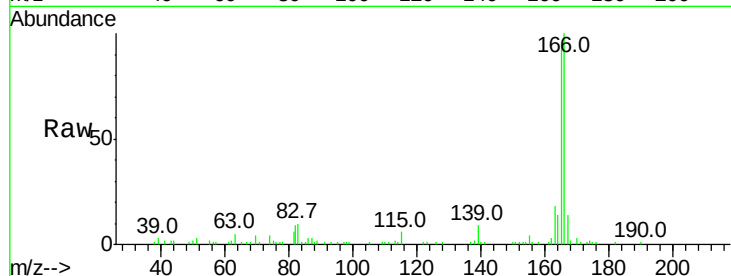
#58
 Fluorene
 Concen: 2.520 ng/ul
 RT: 15.83 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BG029421.D
 Acq: 24 Oct 2017 12:42

Instrument :
 BNA_G
 ClientSampleId :
 CB3L0

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.4	79.9	119.9
167	14.2	10.6	16.0

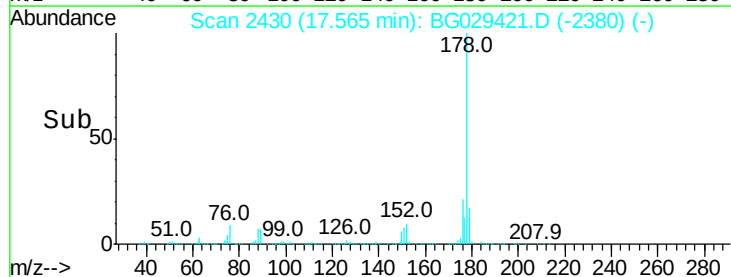
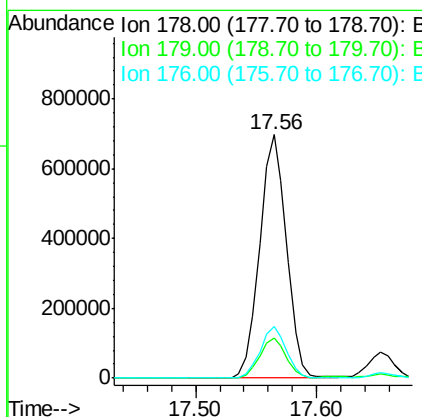
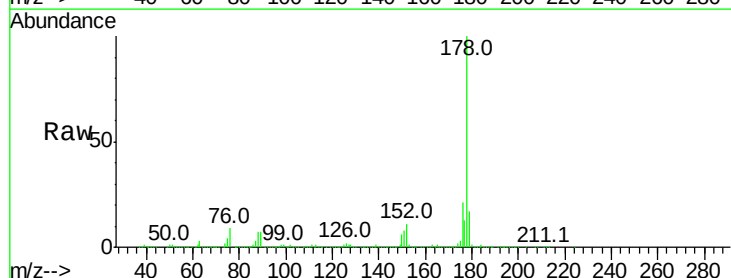
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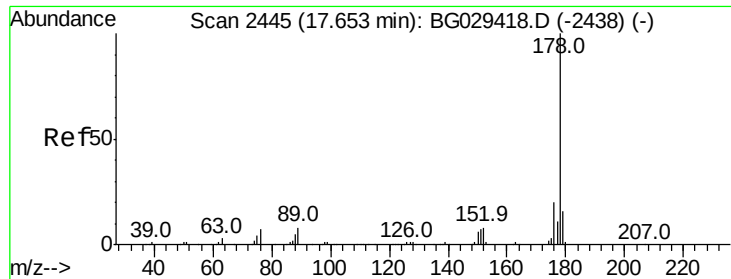
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#69
 Phenanthrene
 Concen: 38.276 ng/ul
 RT: 17.56 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG029421.D
 Acq: 24 Oct 2017 12:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.0	19.6
176	21.0	15.3	22.9





#71

Anthracene

Concen: 3.861 ng/ul

RT: 17.65 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Instrument :

BNA_G

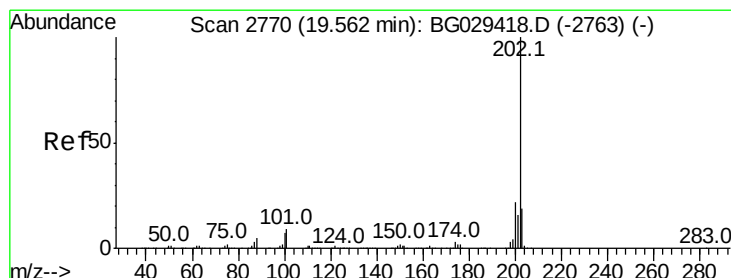
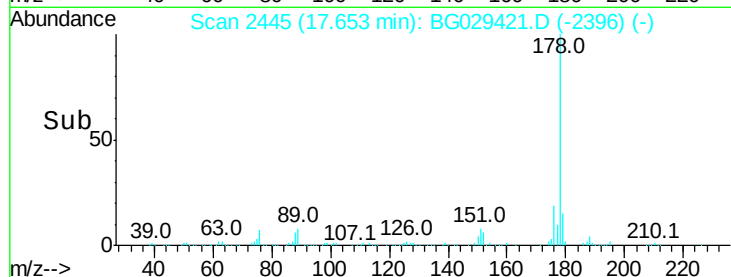
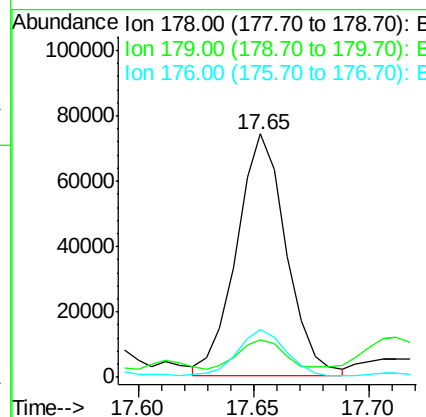
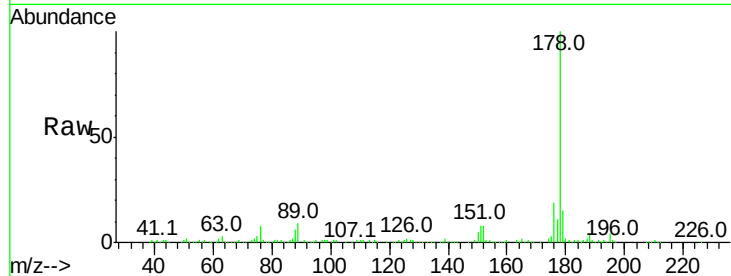
ClientSampled :

CB3L0

Tot Ion:	178	Resp:	111300
Ion Ratio	Lower	Upper	
178	100		
179	15.4	13.2	19.8
176	19.4	16.0	24.0

Manual Integrations
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#74

Fluoranthene

Concen: 28.865 ng/ul

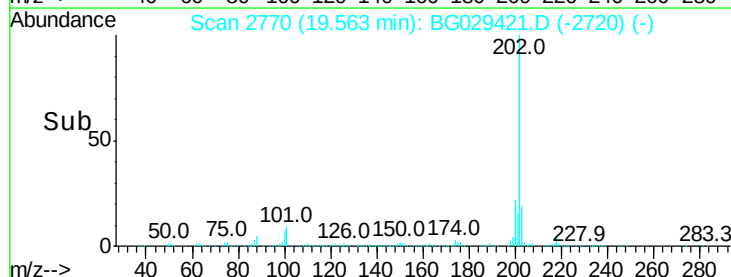
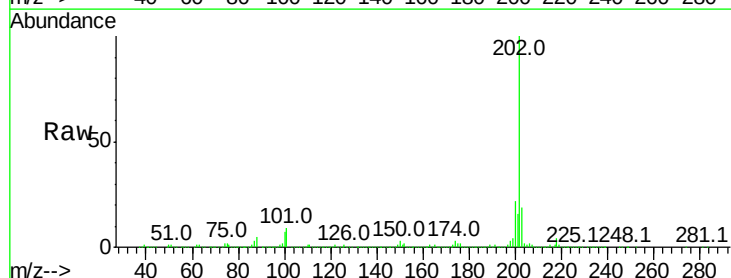
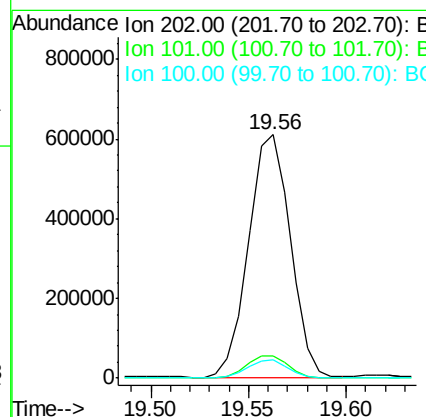
RT: 19.56 min Scan# 2770

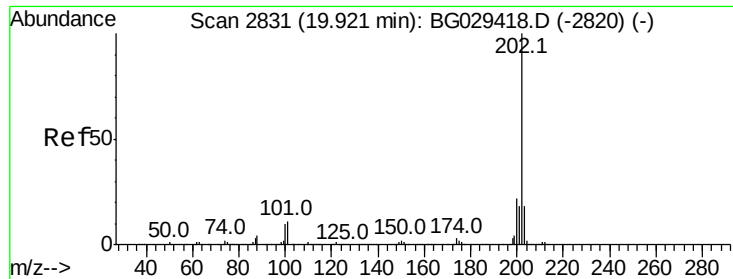
Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Tgt Ion:	202	Resp:	901224
Ion Ratio	Lower	Upper	
202	100		
101	9.3	7.4	11.2
100	7.4	5.6	8.4





#77

Pvrene

Concen: 39.141 ng/ul

RT: 19.93 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Instrument :

BNA_G

ClientSampleId :

CB3L0

Tot Ion:202 Resp: 1441679

Ion Ratio Lower Upper

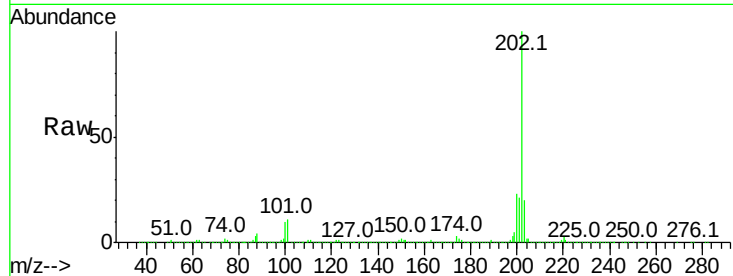
202 100

101 11.4 8.4 12.6

100 9.5 7.0 10.6

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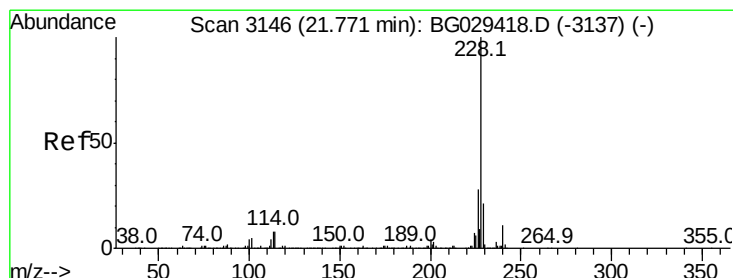
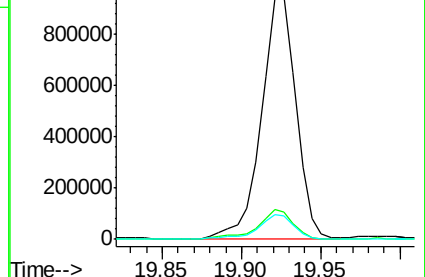
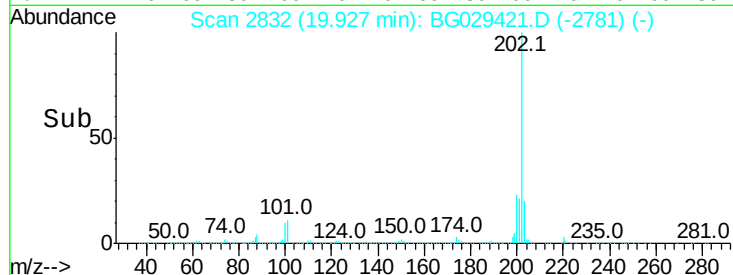
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 19.270 ng/ul

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

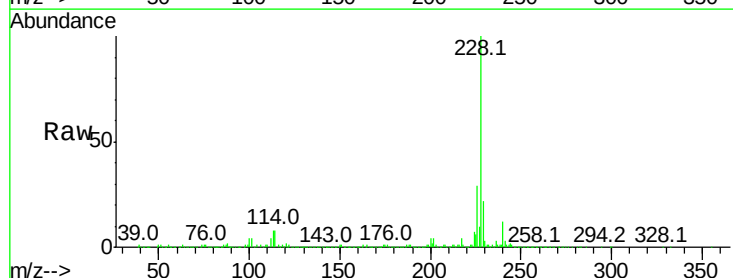
Tgt Ion:228 Resp: 663687

Ion Ratio Lower Upper

228 100

229 22.0 16.2 24.4

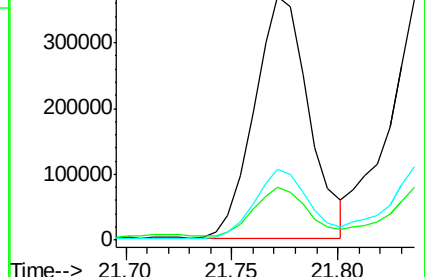
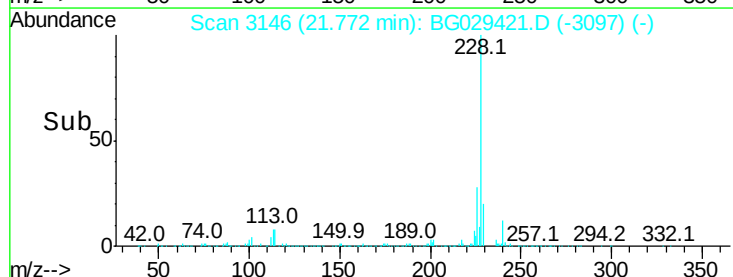
226 29.2 22.2 33.2

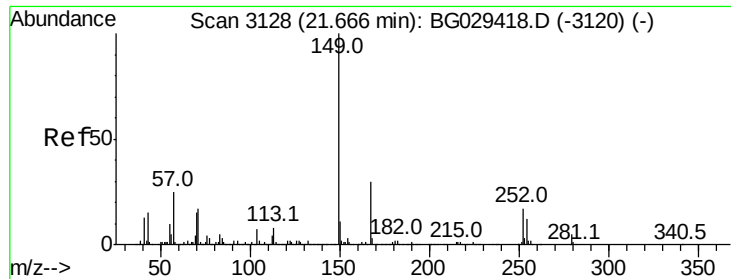


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





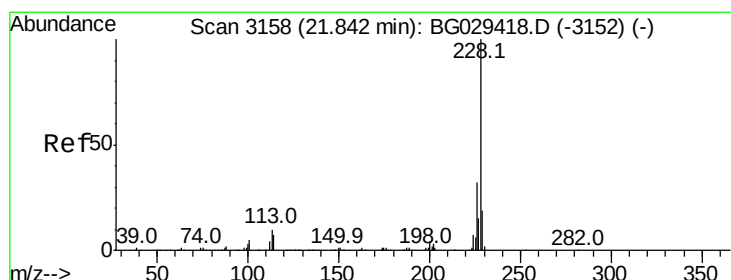
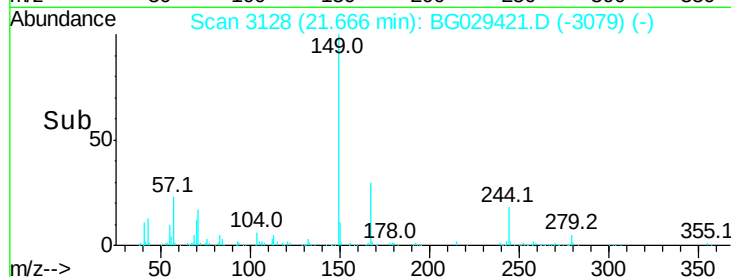
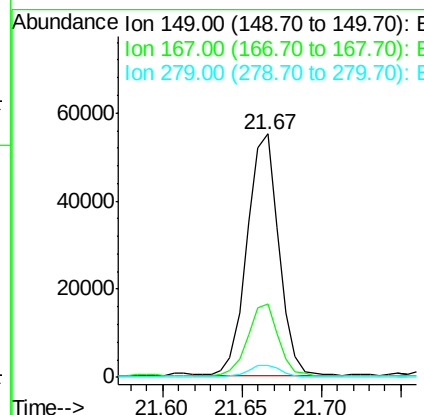
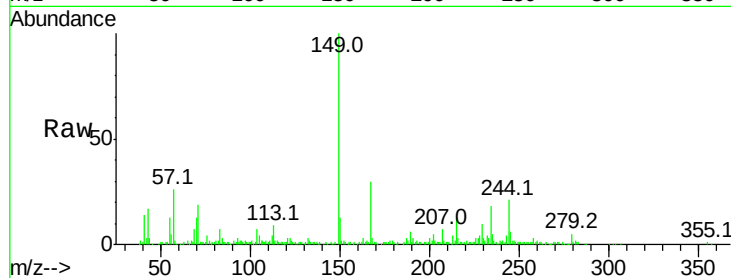
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.522 ng/ul
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.01 min
 Lab File: BG029421.D
 Acq: 24 Oct 2017 12:42

Instrument :
 BNA_G
 ClientSampleId :
 CB3L0

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.2	34.8
279	5.1	3.1	4.7

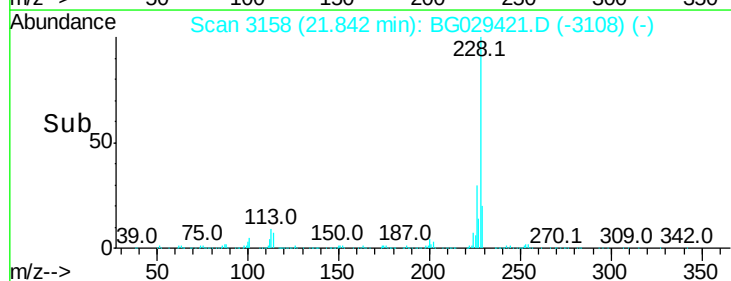
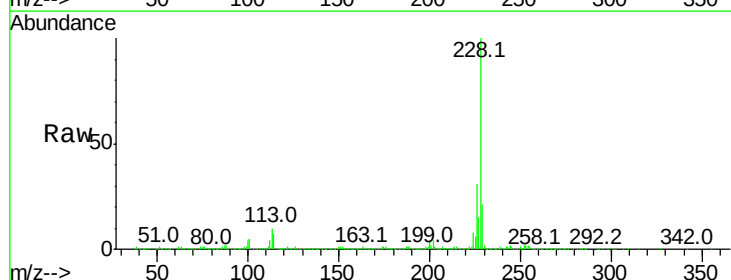
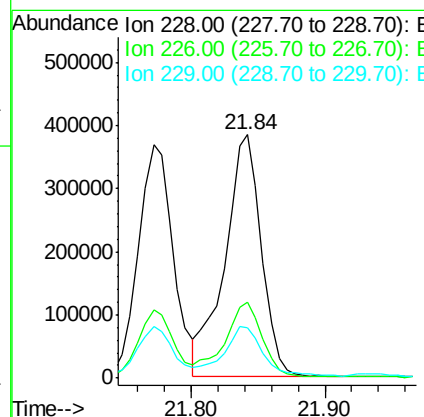
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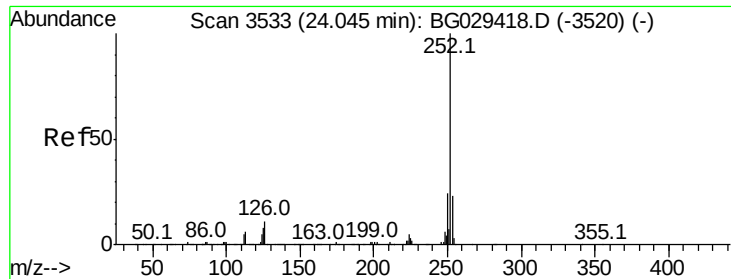
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#82
 Chrysene
 Concen: 23.484 ng/ul
 RT: 21.84 min Scan# 3158
 Delta R.T. -0.01 min
 Lab File: BG029421.D
 Acq: 24 Oct 2017 12:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	20.9	15.2	22.8





#85

Benzo(b)fluoranthene

Concen: 16.269 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Instrument :

BNA_G

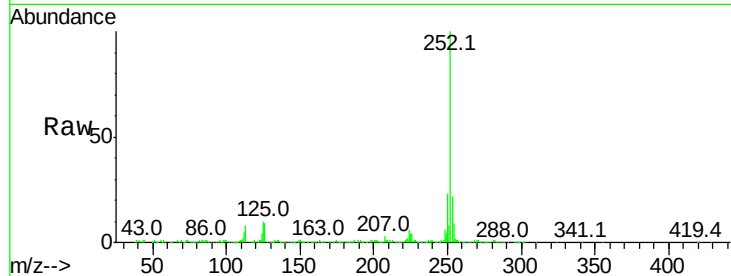
ClientSampled :

CB3L0

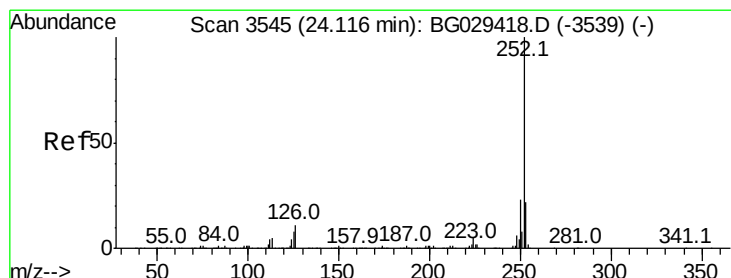
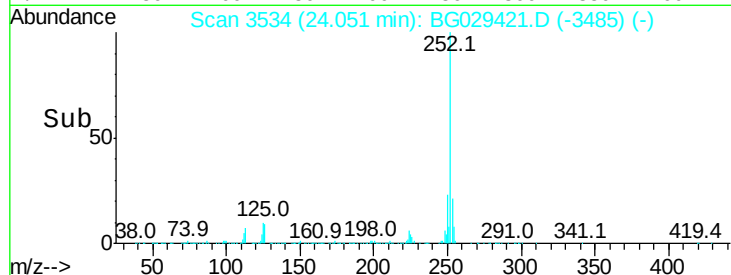
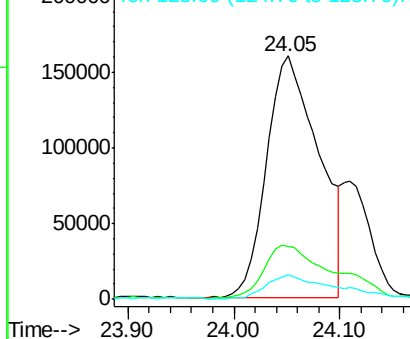
Tot Ion:	252	Resp:	550578
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.4
125	10.0	7.5	11.3

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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: 4.347 ng/ul m

RT: 24.11 min Scan# 3544

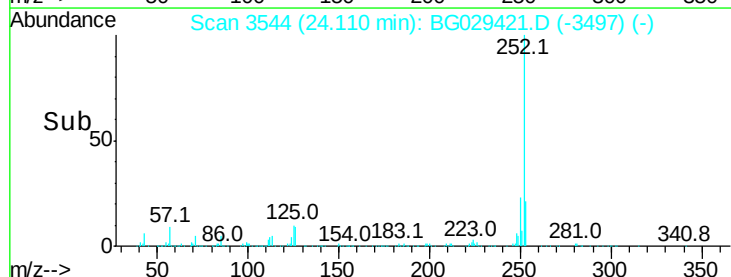
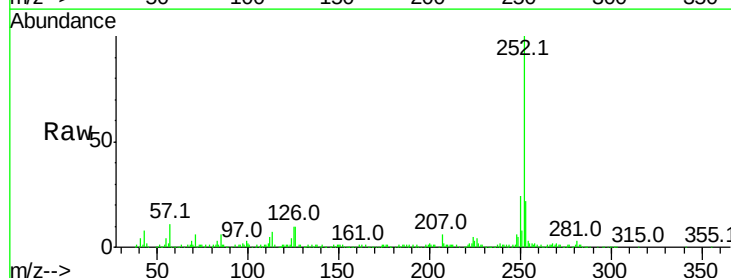
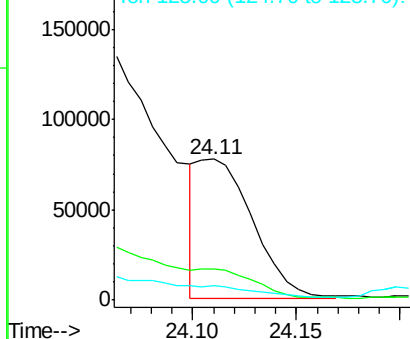
Delta R.T. -0.02 min

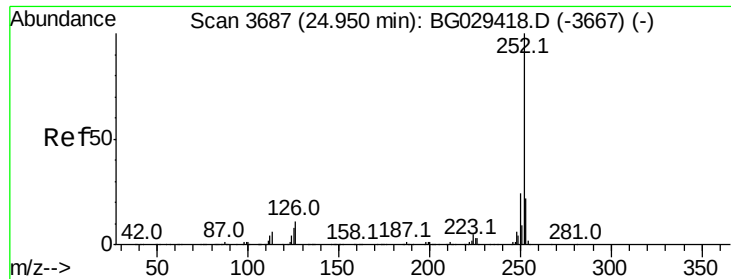
Lab File: BG029421.D

Acq: 24 Oct 2017 12:42

Tgt Ion:	252	Resp:	142236
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	10.1	7.8	11.8

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





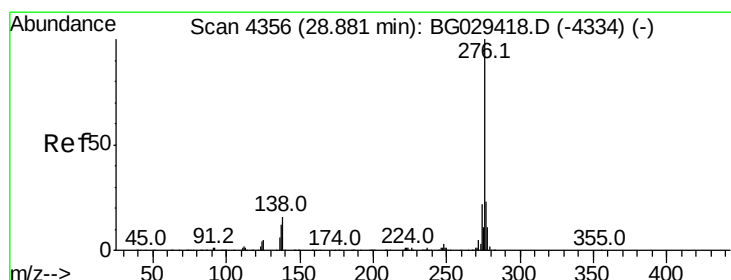
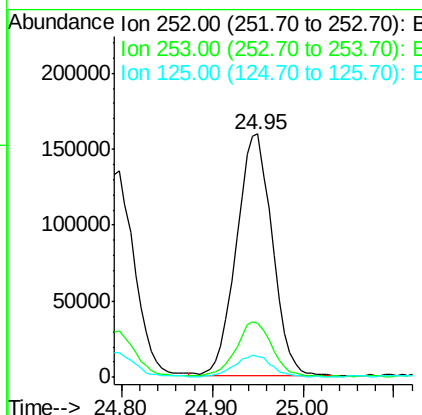
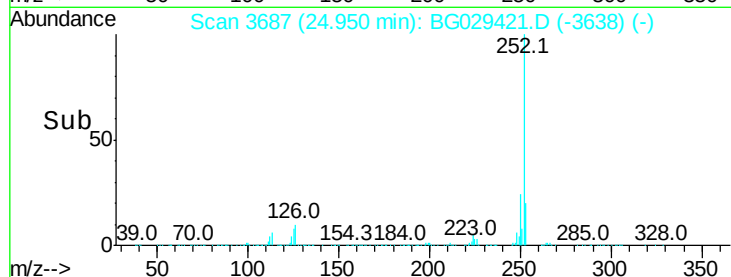
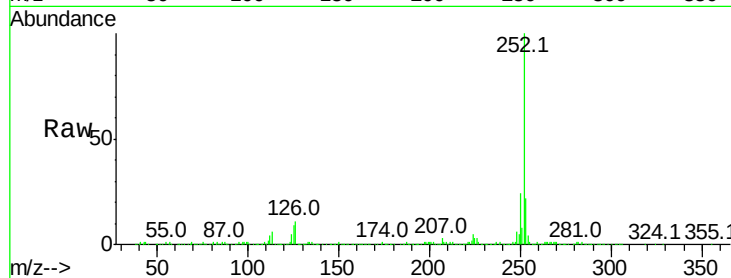
#88
Benzo(a)pyrene
Concen: 13.251 ng/ul
RT: 24.95 min Scan# 3687
Delta R.T. -0.01 min
Lab File: BG029421.D
Acq: 24 Oct 2017 12:42

Instrument :
BNA_G
ClientSampleId :
CB3L0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	8.6	7.8	11.8

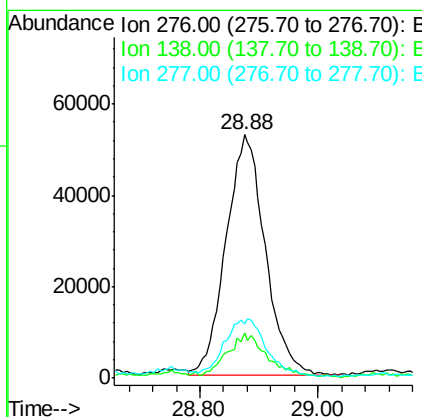
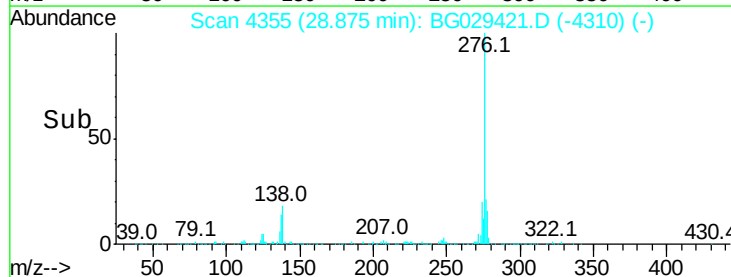
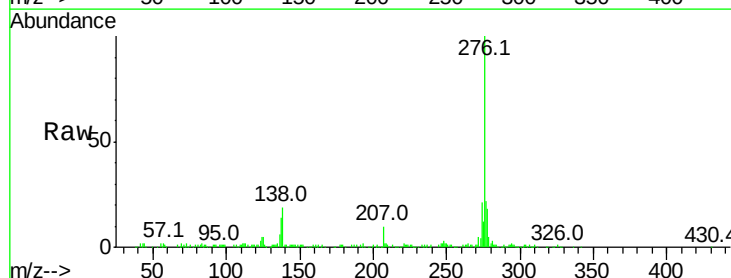
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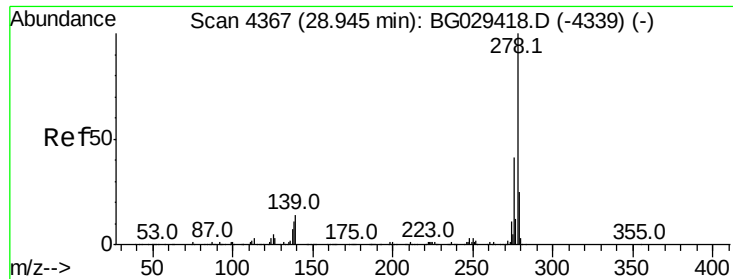
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#89
Indeno(1,2,3-cd)pyrene
Concen: 6.521 ng/ul
RT: 28.88 min Scan# 4355
Delta R.T. -0.04 min
Lab File: BG029421.D
Acq: 24 Oct 2017 12:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	13.4	20.0
277	22.4	18.6	28.0





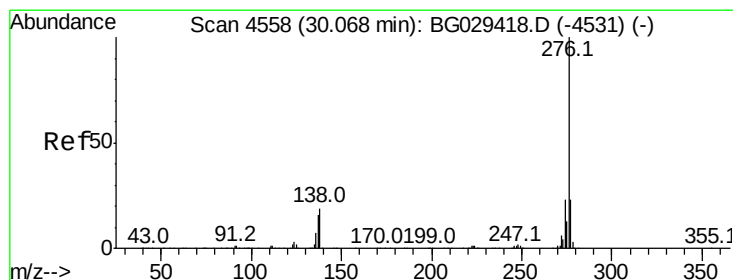
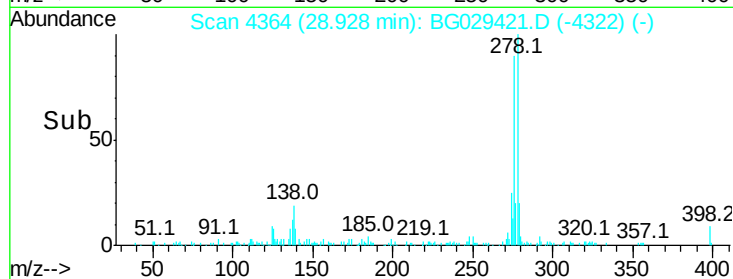
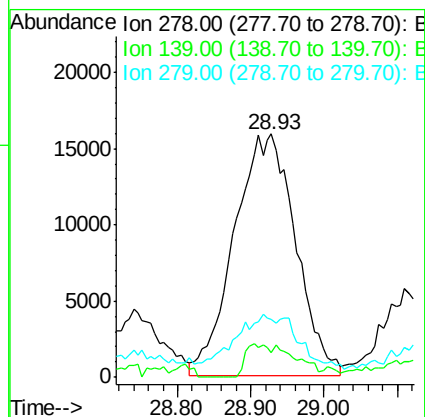
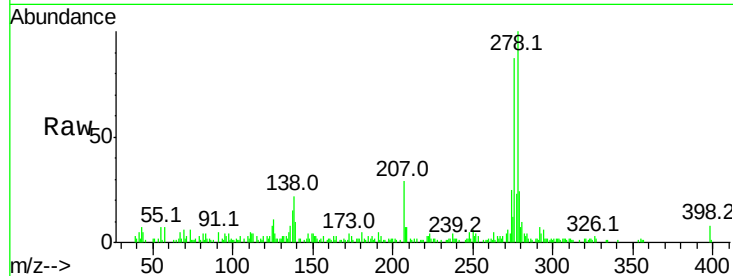
#90
Dibenzo(a,h)anthracene
Concen: 2.974 ng/ul m
RT: 28.93 min Scan# 4364
Delta R.T. -0.05 min
Lab File: BG029421.D
Acq: 24 Oct 2017 12:42

Instrument :
BNA_G
ClientSampleId :
CB3L0

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.3	9.4	14.2
279	23.6	18.4	27.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.986 ng/ul
RT: 30.06 min Scan# 4557
Delta R.T. -0.04 min
Lab File: BG029421.D
Acq: 24 Oct 2017 12:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	12.1	18.1
277	24.7	17.7	26.5

