

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101117\
 Data File : BG029162.D
 Acq On : 11 Oct 2017 6:42
 Operator : SJ/JU
 Sample : I5668-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3G6

Manual Integrations
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Quant Time: Oct 11 08:20:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:24:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	48631	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	212444	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	140935	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	330105	20.00	ng/ul	0.00
18) Chrysene-d12	21.84	240	349144	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	355059	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	12087	2.98	ng/ul	0.00
7) Acenaphthylene-d8	14.53	160	287598	20.35	ng/ul	0.00
10) Fluorene-d10	15.81	176	221300	19.96	ng/ul	0.00
15) Anthracene-d10	17.66	188	317134	19.44	ng/ul	0.00
19) Pyrene-d10	19.94	212	387119	21.10	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	317505	17.88	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.08	128	29887	2.676	ng/ul	97
5) 2-Methylnaphthalene	12.67	142	14739	1.725	ng/ul	97
9) Acenaphthene	14.90	153	17192	1.809	ng/ul	95
11) Fluorene	15.87	166	18230	1.665	ng/ul	94
14) Phenanthrene	17.61	178	334652	18.715	ng/ul	99
16) Anthracene	17.70	178	67116	3.662	ng/ul	98
17) Fluoranthene	19.60	202	594429	28.252	ng/ul	98
20) Pyrene	19.96	202	507368	23.968	ng/ul	99
21) Benzo(a)anthracene	21.83	228	290835	13.672	ng/ul	99
22) Chrysene	21.89	228	262854	13.689	ng/ul	97
24) Benzo(b)fluoranthene	24.14	252	354321	16.195	ng/ul#	98
25) Benzo(k)fluoranthene	24.19	252	124497m	5.777	ng/ul	
27) Benzo(a)pyrene	25.04	252	216442	10.137	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	29.03	276	110426	5.426	ng/ul	98
29) Dibenzo(a,h)anthracene	29.06	278	32421	1.795	ng/ul#	96
30) Benzo(g,h,i)perylene	30.24	276	78515m	5.533	ng/ul	

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

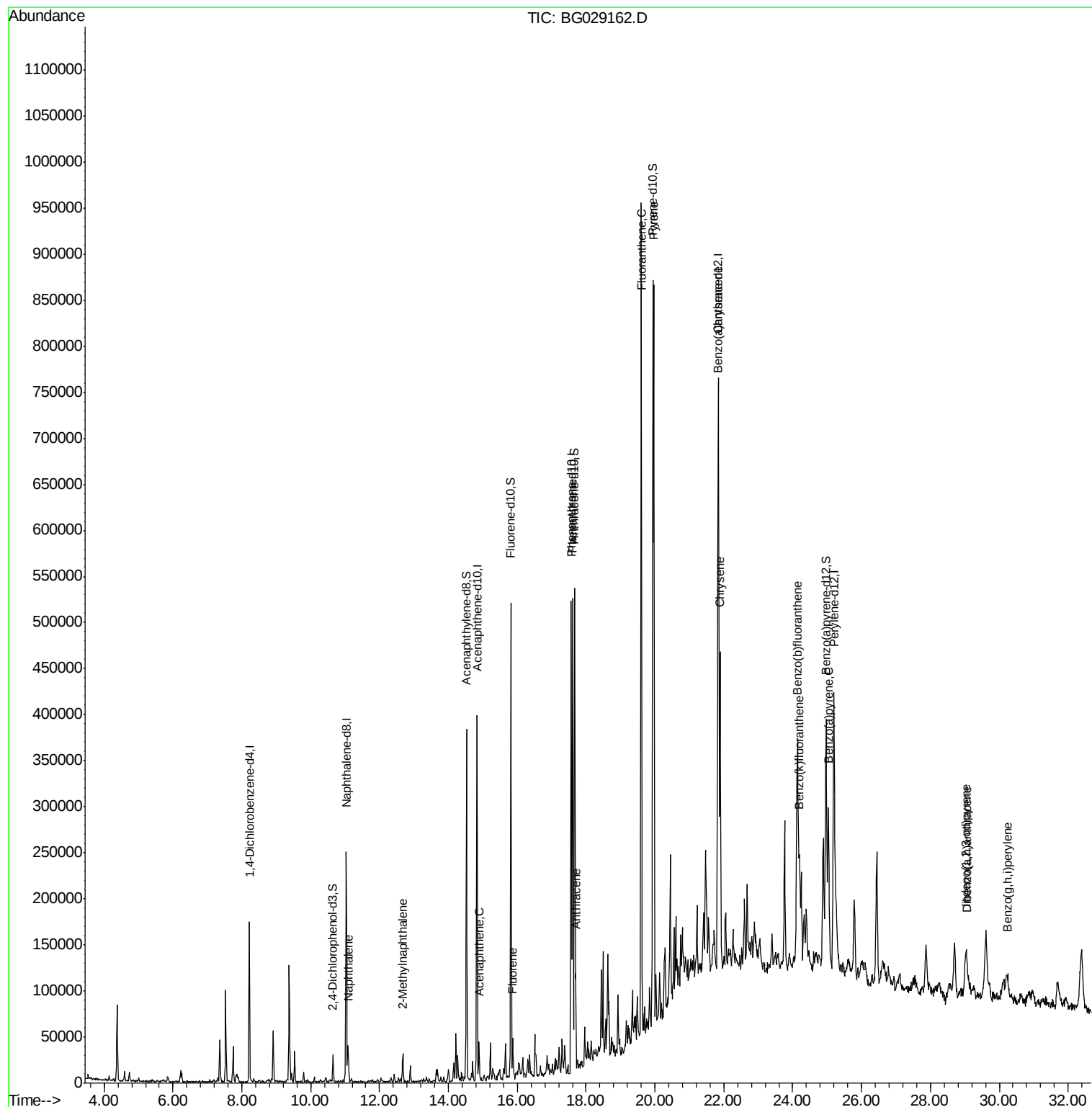
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101117\
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ALS Vial : 13 Sample Multiplier: 1

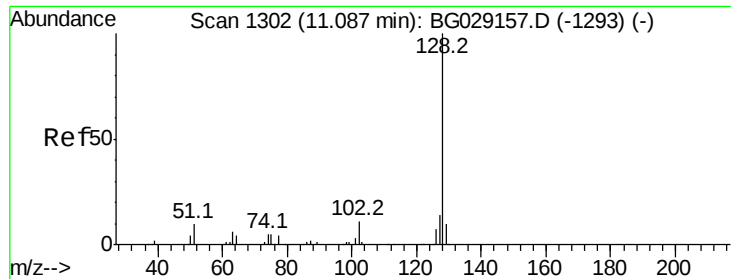
Instrument :
BNA_G
ClientSampled :
CB3G6

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Quant Time: Oct 11 08:20:37 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:24:22 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 2.676 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Instrument :

BNA_G

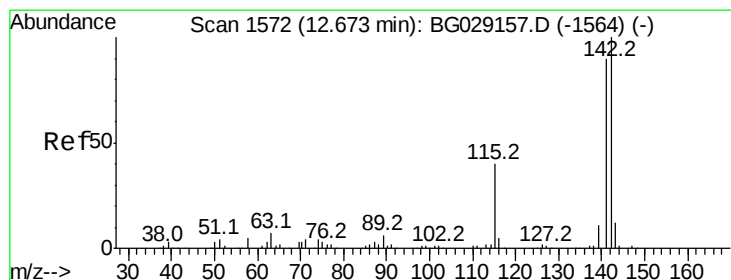
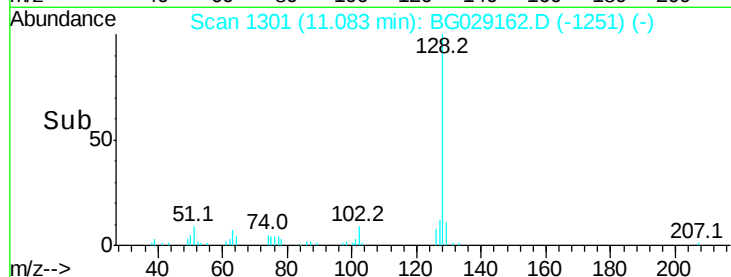
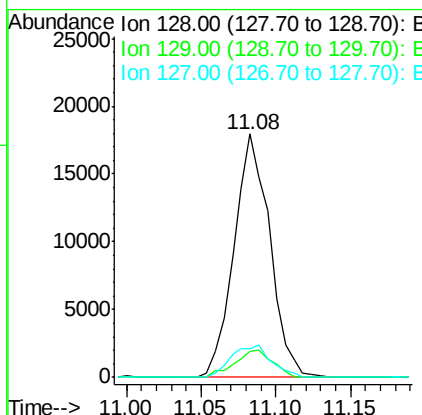
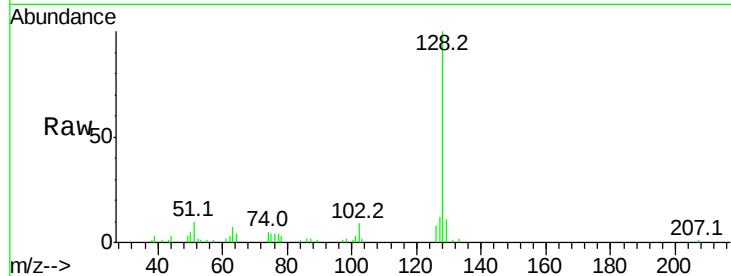
ClientSampleId :

CB3G6

Tot Ion:	128	Resp:	29887
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.0	13.4
127	11.6	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 1.725 ng/ul

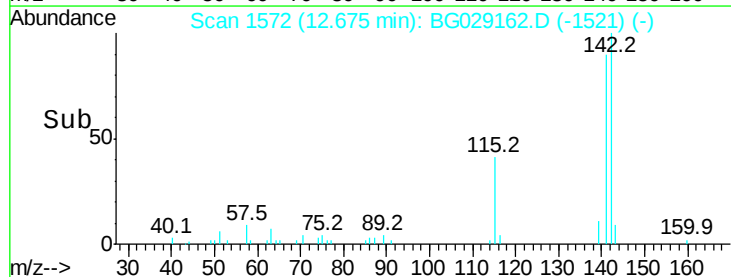
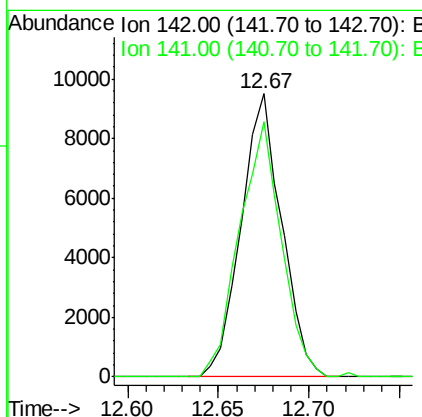
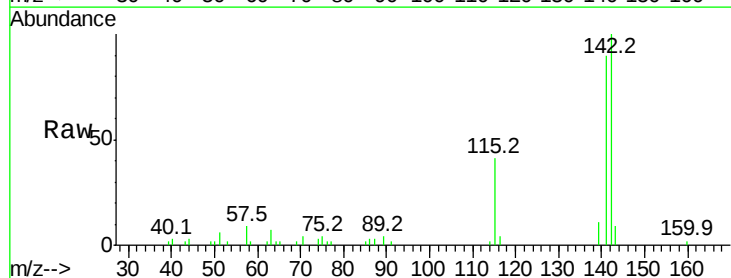
RT: 12.67 min Scan# 1572

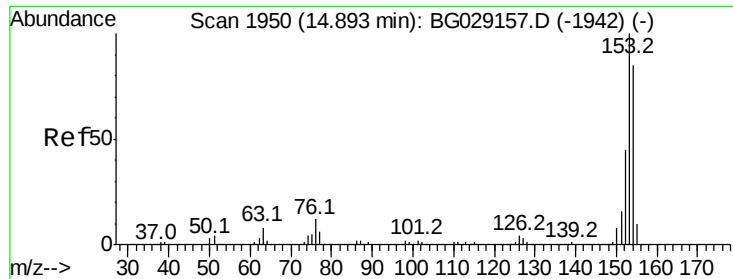
Delta R.T. 0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Tgt Ion:	142	Resp:	14739
Ion Ratio	Lower	Upper	
142	100		
141	90.2	69.8	104.8





#9

Acenaphthene

Concen: 1.809 ng/ul

RT: 14.90 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Instrument :

BNA_G

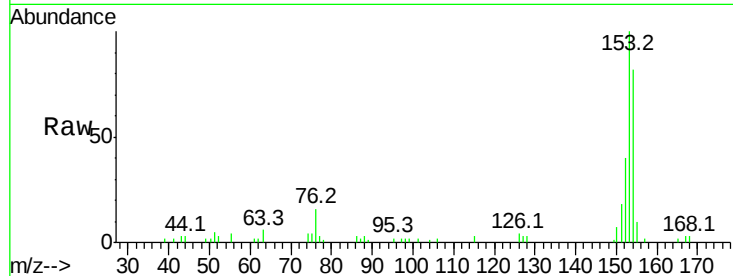
ClientSampled :

CB3G6

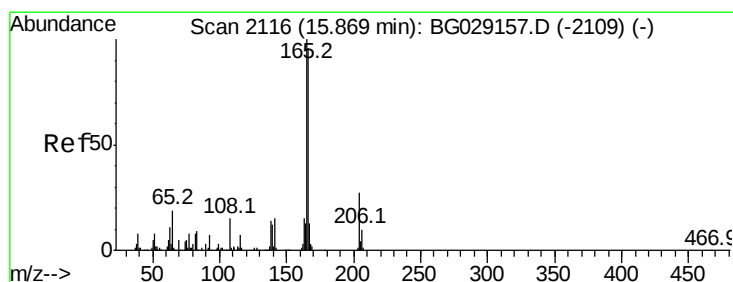
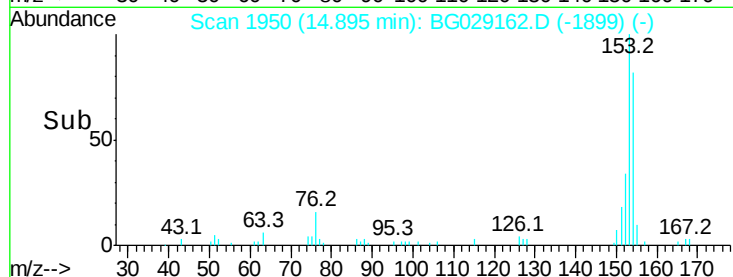
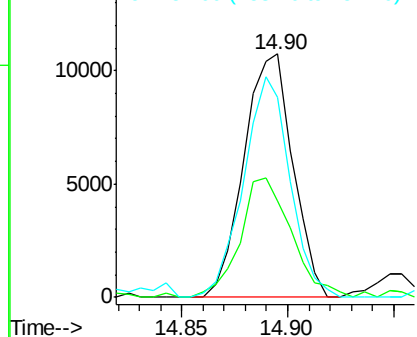
Tot Ion:	153	Resp:	17192
Ion Ratio	Lower	Upper	
153	100		
152	39.7	36.2	54.4
154	82.0	68.4	102.6

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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



#11

Fluorene

Concen: 1.665 ng/ul

RT: 15.87 min Scan# 2116

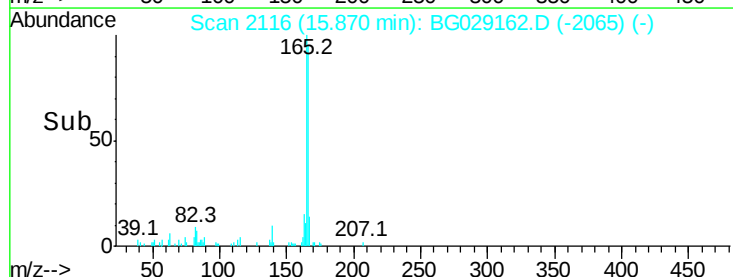
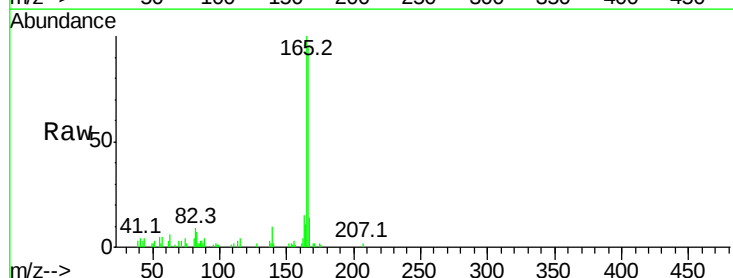
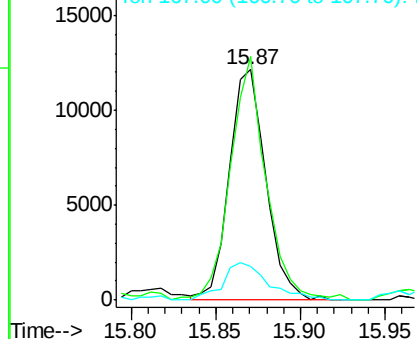
Delta R.T. 0.00 min

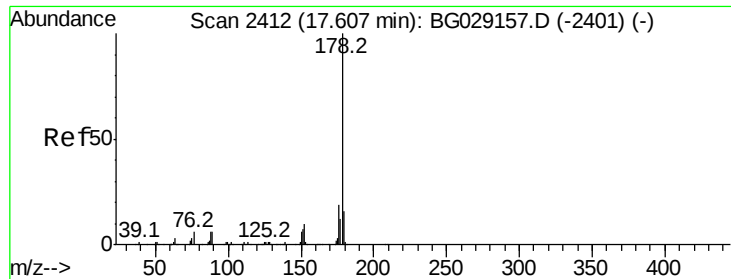
Lab File: BG029162.D

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Tgt Ion:	166	Resp:	18230
Ion Ratio	Lower	Upper	
166	100		
165	105.7	79.4	119.0
167	14.7	10.2	15.4

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





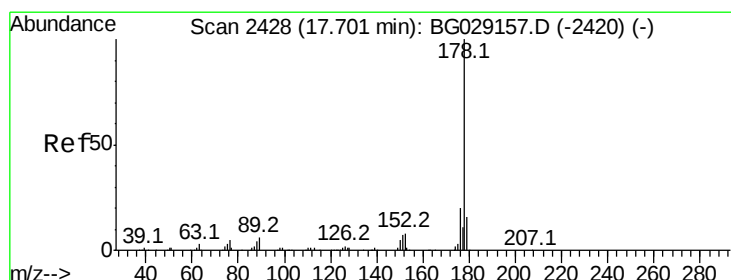
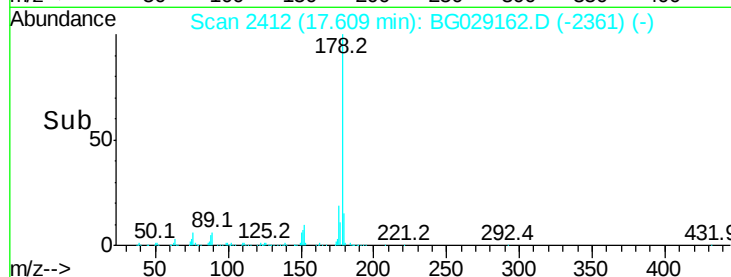
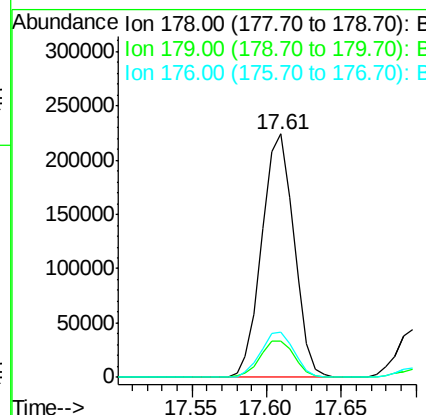
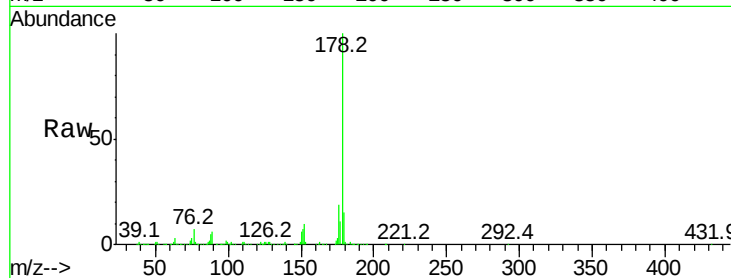
#14
Phenanthrene
Concen: 18.715 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG029162.D
Acq: 11 Oct 2017 6:42

Instrument :
BNA_G
ClientSampled :
CB3G6

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.2	18.2
176	18.8	15.0	22.6

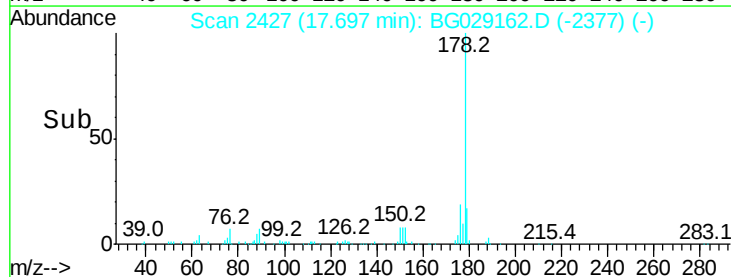
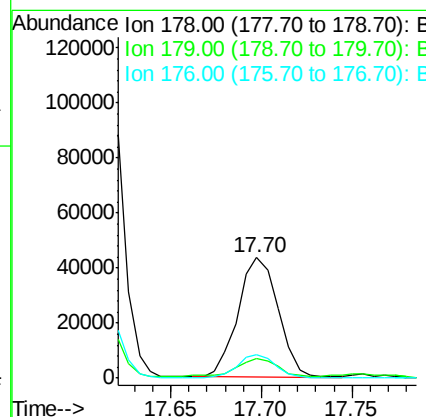
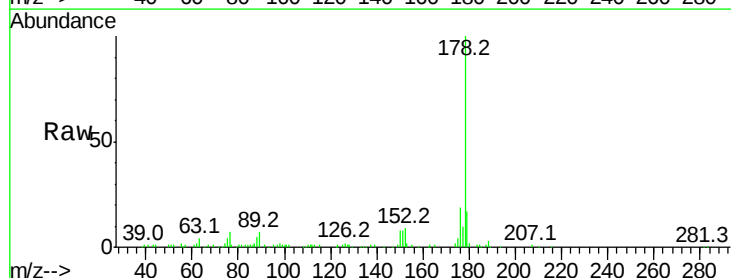
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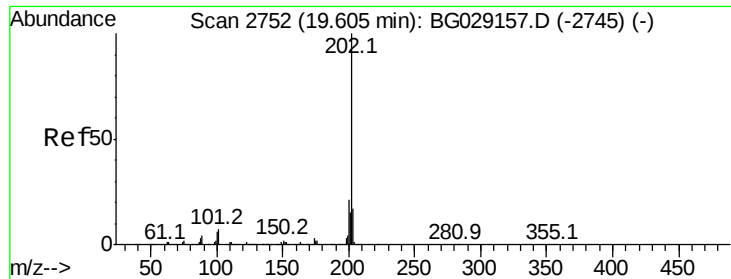
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#16
Anthracene
Concen: 3.662 ng/ul
RT: 17.70 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG029162.D
Acq: 11 Oct 2017 6:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.5	18.7
176	19.2	15.7	23.5





#17

Fluoranthene

Concen: 28.252 ng/ul

RT: 19.60 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Instrument :

BNA_G

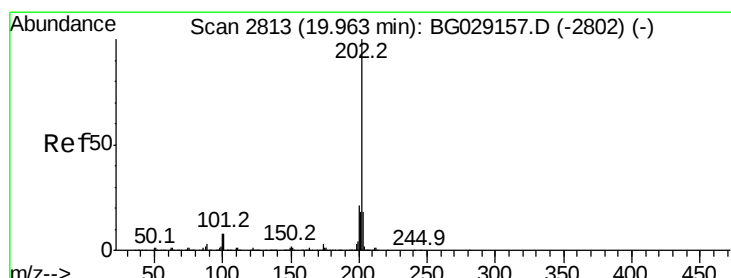
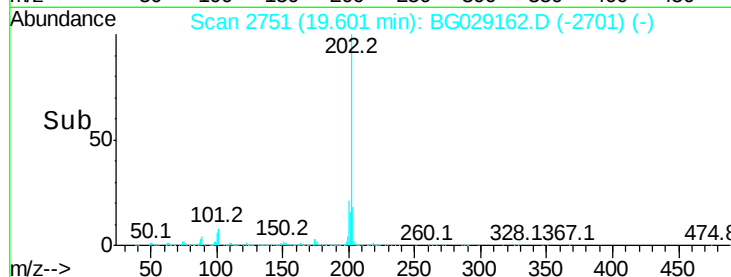
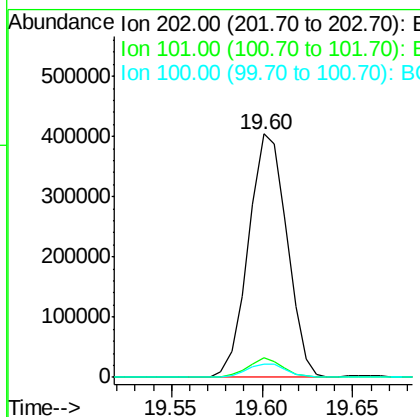
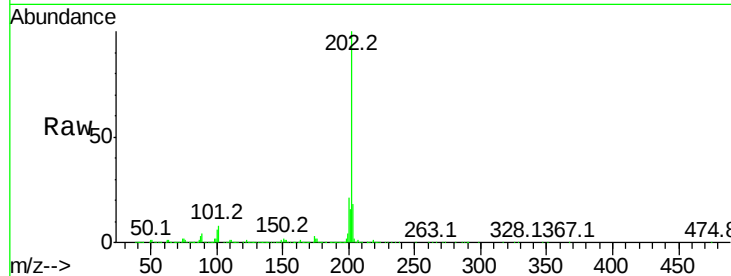
ClientSampled :

CB3G6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.9	5.6	8.4
100	5.5	4.7	7.1

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#20

Pyrene

Concen: 23.968 ng/ul

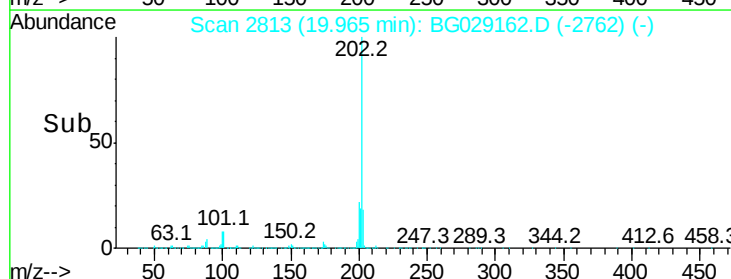
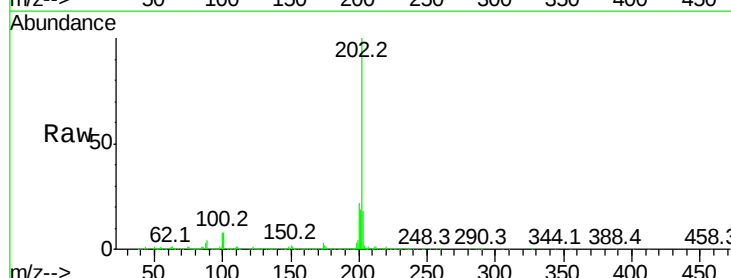
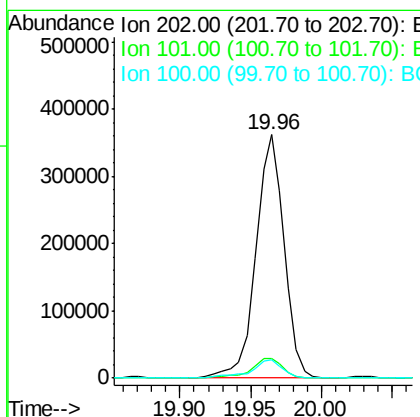
RT: 19.96 min Scan# 2813

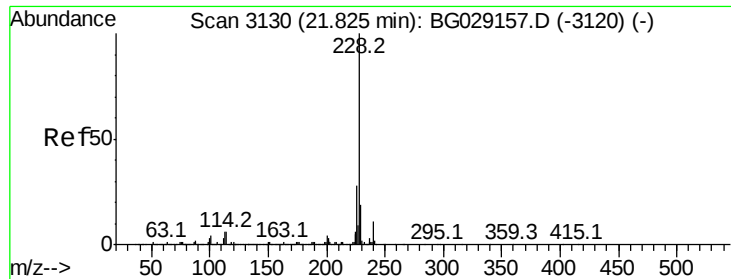
Delta R.T. 0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	6.5	9.7
100	7.6	5.5	8.3





#21

Benzo(a)anthracene

Concen: 13.672 ng/ul

RT: 21.83 min Scan# 3130

Delta R.T. 0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Instrument :

BNA_G

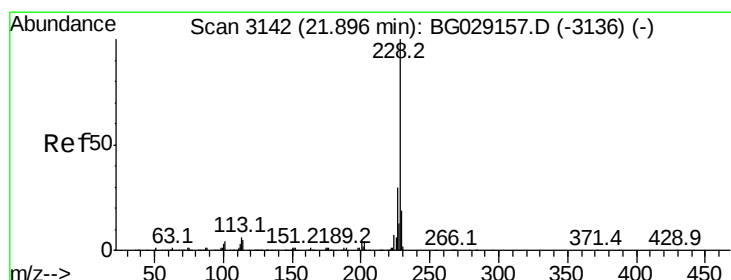
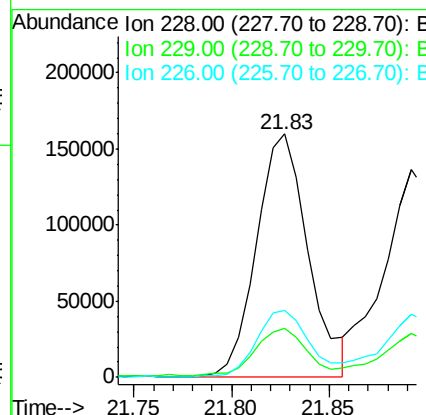
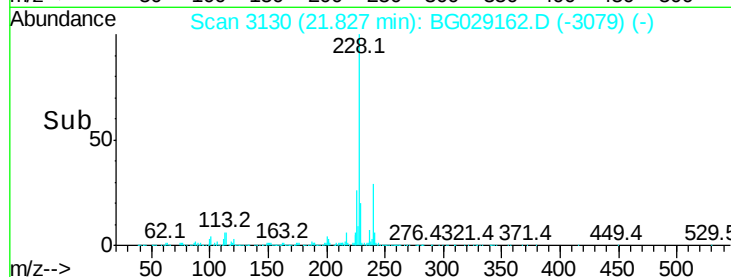
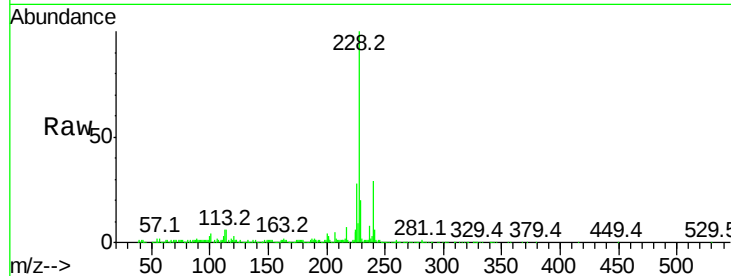
ClientSampleId :

CB3G6

Tot Ion:	228	Resp:	290835
Ion Ratio	Lower	Upper	
228	100		
229	20.1	15.8	23.8
226	27.6	21.6	32.4

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#22

Chrysene

Concen: 13.689 ng/ul

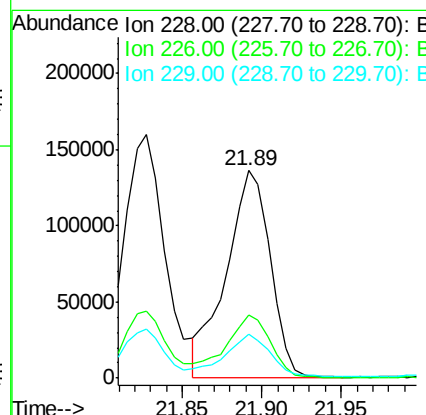
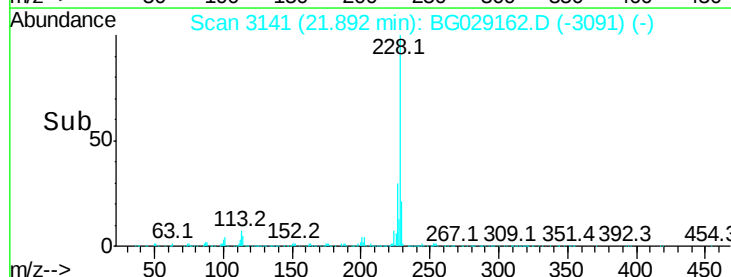
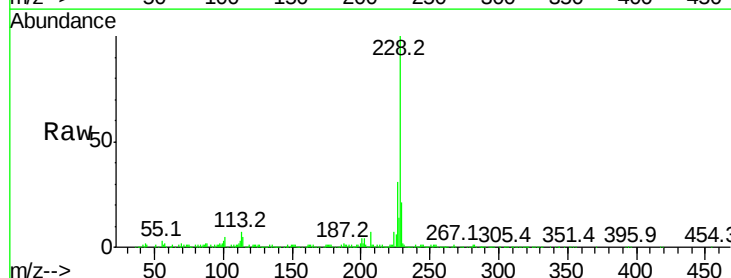
RT: 21.89 min Scan# 3141

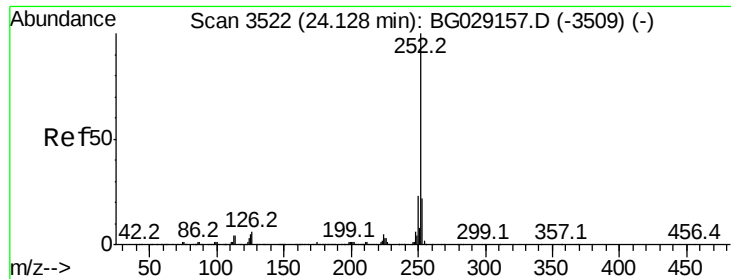
Delta R.T. -0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Tgt Ion:	228	Resp:	262854
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.4	35.0
229	21.2	15.7	23.5





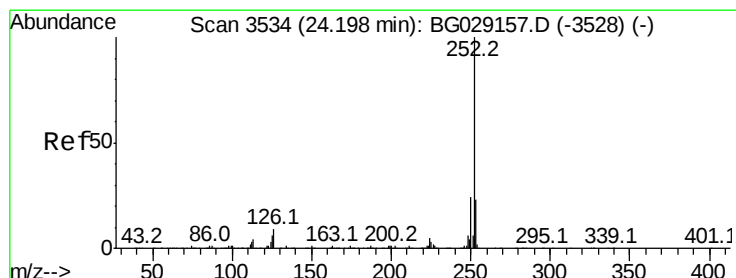
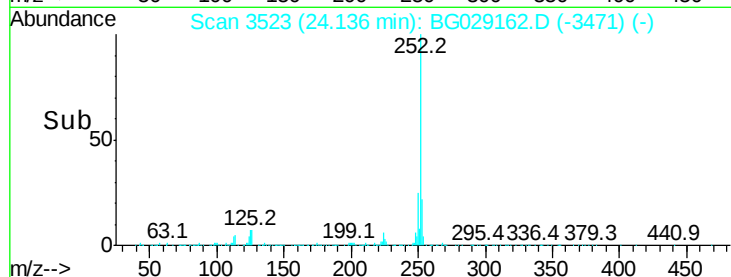
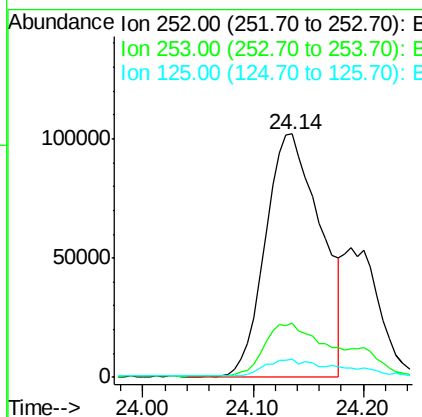
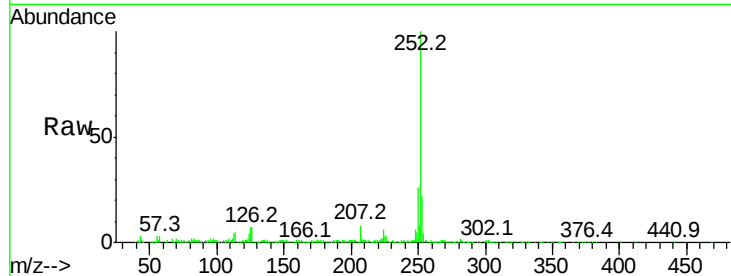
#24
Benzo(b)fluoranthene
Concen: 16.195 ng/ul
RT: 24.14 min Scan# 3523
Delta R.T. 0.01 min
Lab File: BG029162.D
Acq: 11 Oct 2017 6:42

Instrument :
BNA_G
ClientSampleId :
CB3G6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	7.3	4.5	6.7

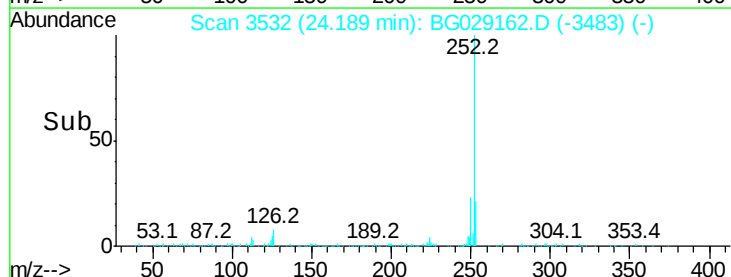
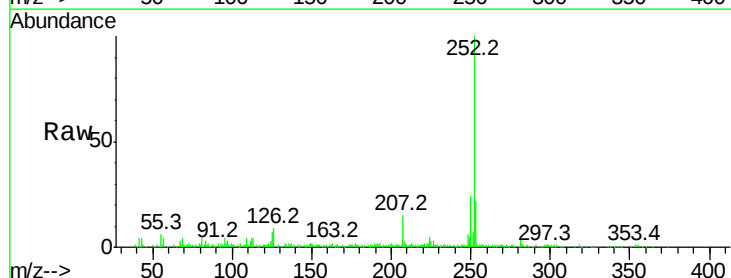
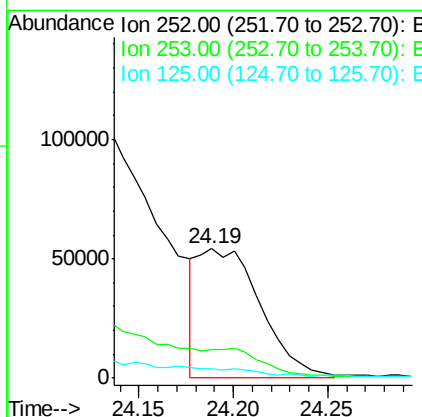
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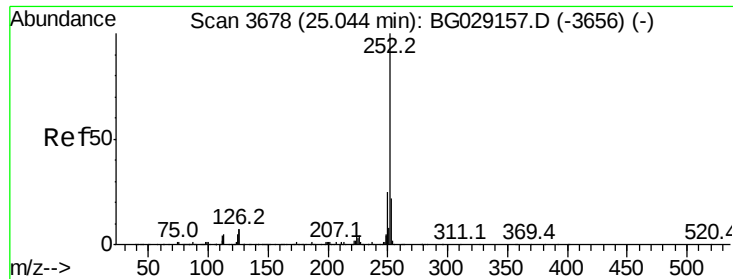
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#25
Benzo(k)fluoranthene
Concen: 5.777 ng/ul m
RT: 24.19 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BG029162.D
Acq: 11 Oct 2017 6:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.3	5.1	7.7





#27

Benzo(a)pyrene

Concen: 10.137 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Instrument :

BNA_G

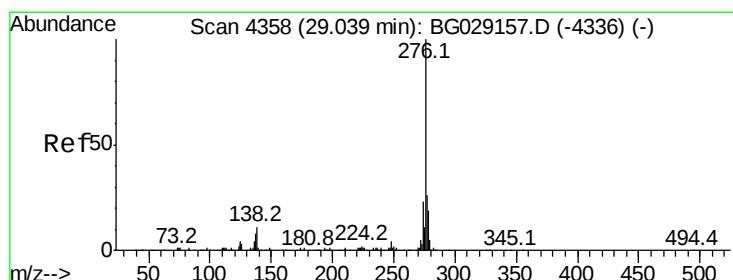
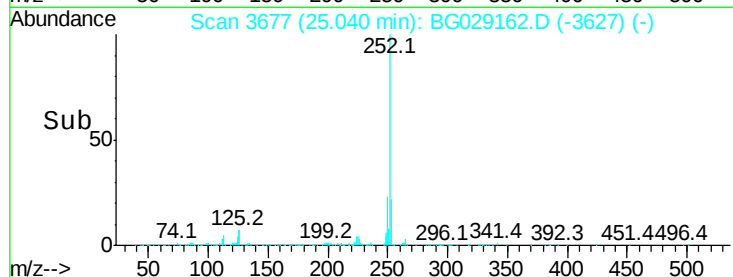
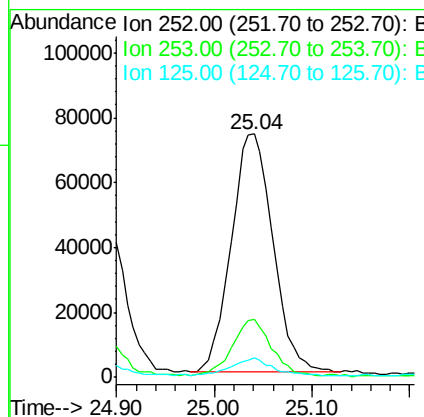
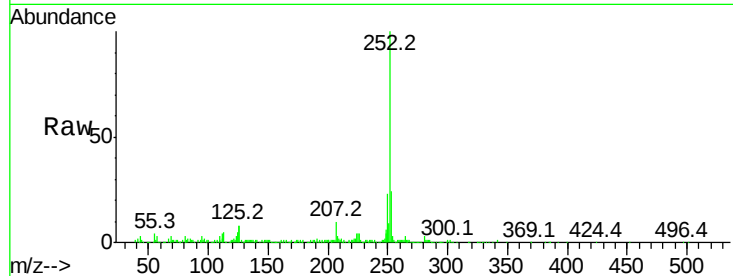
ClientSampled :

CB3G6

Tot Ion:	252	Resp:	216442
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	8.1	5.4	8.2

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#28

Indeno(1,2,3-cd)pyrene

Concen: 5.426 ng/ul

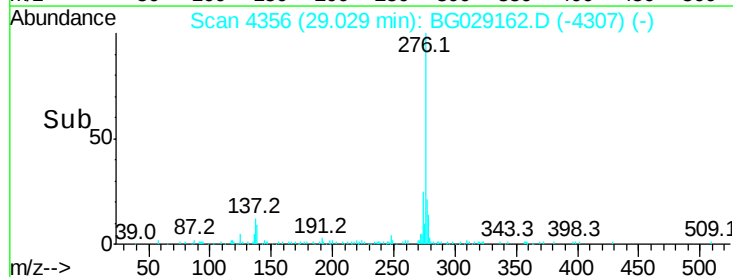
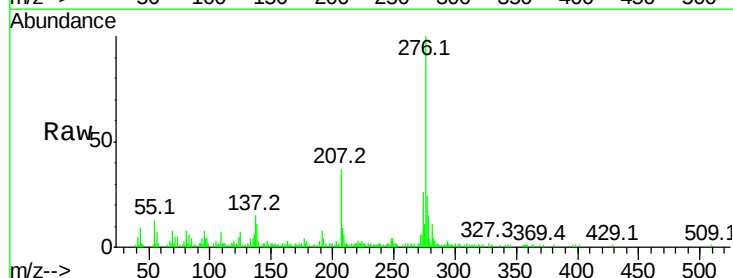
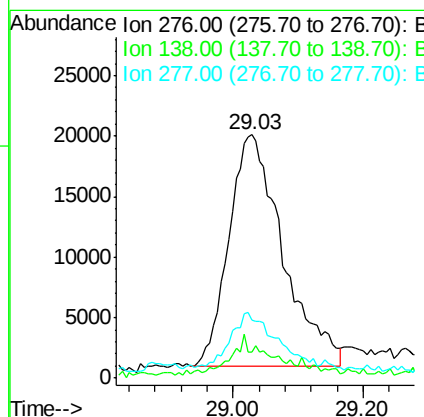
RT: 29.03 min Scan# 4356

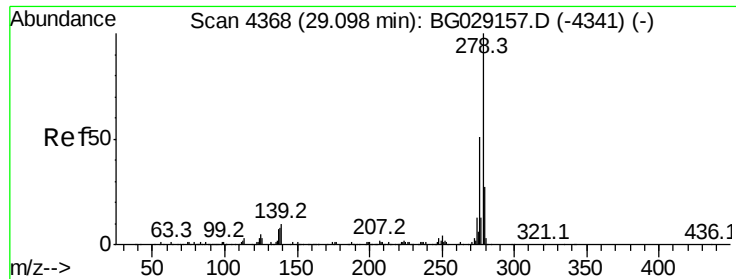
Delta R.T. -0.01 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Tgt Ion:	276	Resp:	110426
Ion Ratio	Lower	Upper	
276	100		
138	10.9	9.5	14.3
277	23.8	18.1	27.1





#29

Dibenzo(a,h)anthracene

Concen: 1.795 ng/ul

RT: 29.06 min Scan# 4362

Delta R.T. -0.03 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Instrument :

BNA_G

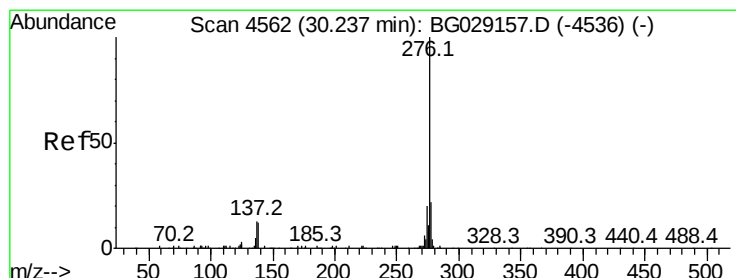
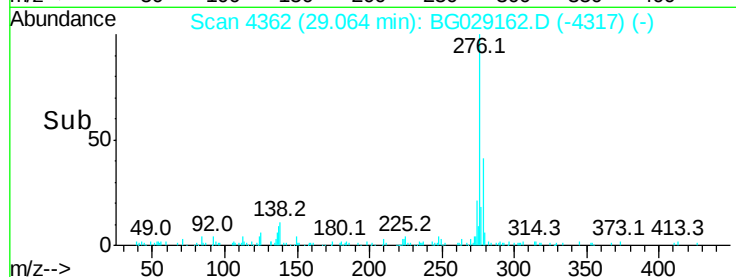
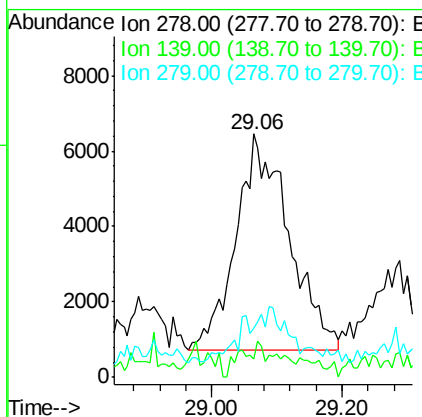
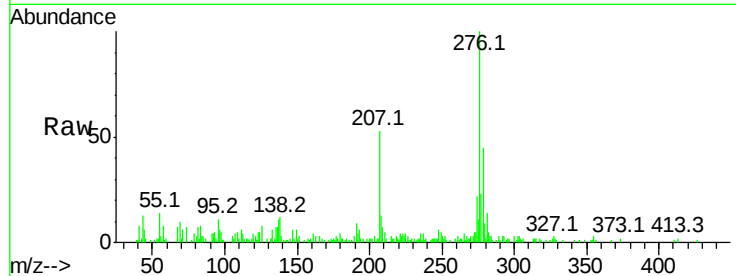
ClientSampled :

CB3G6

Tot Ion:	278	Resp:	32421
Ion Ratio	Lower	Upper	
278	100		
139	7.7	8.3	12.5#
279	20.4	17.1	25.7

Manual Integrations
APPROVED

Sohil
10/11/2017 7:22:12 PM



#30

Benzo(g,h,i)perylene

Concen: 5.533 ng/ul m

RT: 30.24 min Scan# 4562

Delta R.T. 0.00 min

Lab File: BG029162.D

Acq: 11 Oct 2017 6:42

Tgt Ion:	276	Resp:	78515
Ion Ratio	Lower	Upper	
276	100		
138	10.8	9.3	13.9
277	21.7	17.9	26.9

