Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101317\
Data File : BG029182.D
Acq On : 12 Oct 2017 2:01
Operator : SJ/JU
Sample : I5668-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB3H4

Manual Integrations APPROVED
Sohil
10/13/2017 12:08:20 PM

Quant Time: Oct 12 09:58:07 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	8.21	152	54172	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	231897	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	192429	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	428287	20.00	ng/ul	0.00
18) Chrysene-d12	21.84	240	425081	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	392342	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.64	165	73918	16.67	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	341131	17.68	ng/ul	0.00
10) Fluorene-d10	15.81	176	251692	16.63	ng/ul	0.00
15) Anthracene-d10	17.66	188	367002	17.34	ng/ul	0.00
19) Pyrene-d10	19.93	212	415227	18.59	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	344422	17.55	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	11.08	128	32469	2.664	ng/ul#	95
5) 2-Methylnaphthalene	12.67	142	14866	1.594	ng/ul	98
9) Acenaphthene	14.89	153	57868	4.459	ng/ul	97
11) Fluorene	15.87	166	54524	3.646	ng/ul	97
14) Phenanthrene	17.61	178	542285	23.375	ng/ul	97
16) Anthracene	17.70	178	124730	5.245	ng/ul	100
17) Fluoranthene	19.60	202	697296	25.543	ng/ul#	96
20) Pyrene	19.96	202	566207	21.969	ng/ul#	93
21) Benzo(a)anthracene	21.82	228	338083	13.054	ng/ul	97
22) Chrysene	21.89	228	292855	12.527	ng/ul	97
24) Benzo(b)fluoranthene	24.13	252	353704	14.631	ng/ul	98
25) Benzo(k)fluoranthene	24.19	252	114670m	4.815	ng/ul	
27) Benzo(a)pyrene	25.04	252	233978	9.917	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	29.02	276	119451	5.311	ng/ul	95
29) Dibenzo(a,h)anthracene	29.07	278	32364	1.622	ng/ul#	84
30) Benzo(g,h,i)perylene	30.23	276	76050	4.850	ng/ul	98

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

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Manual Integrations APPROVED
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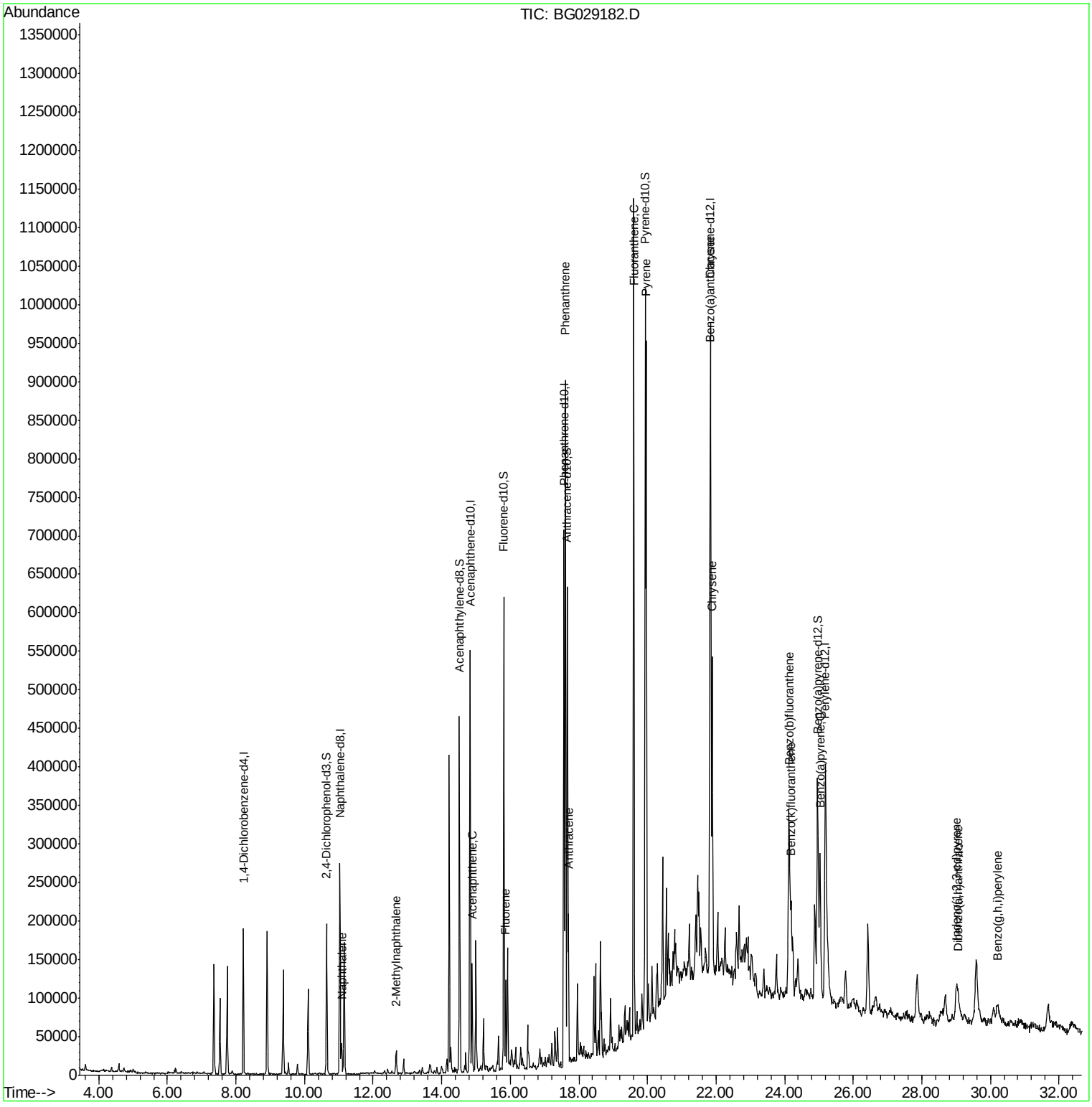
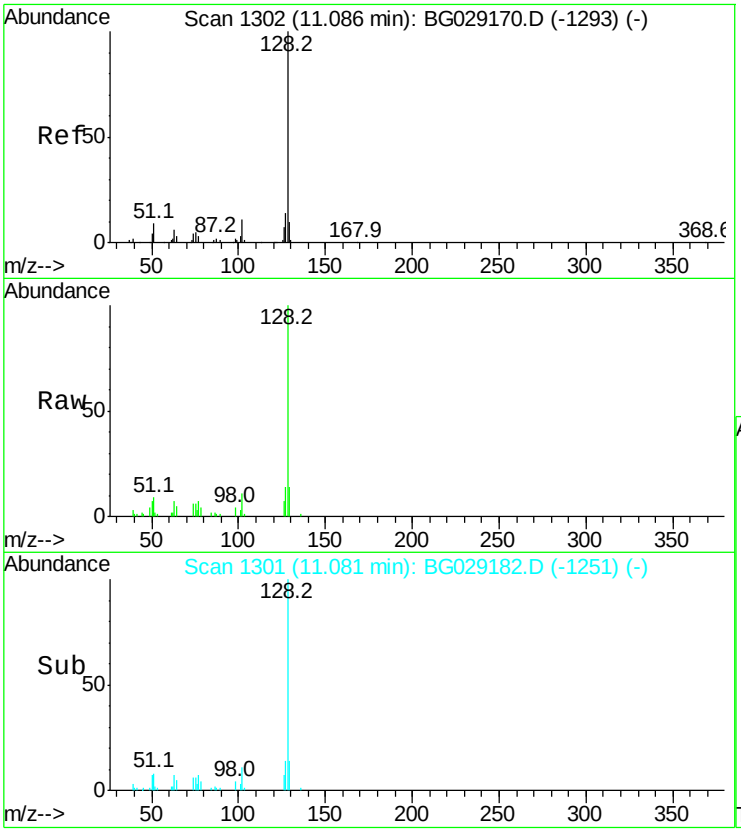
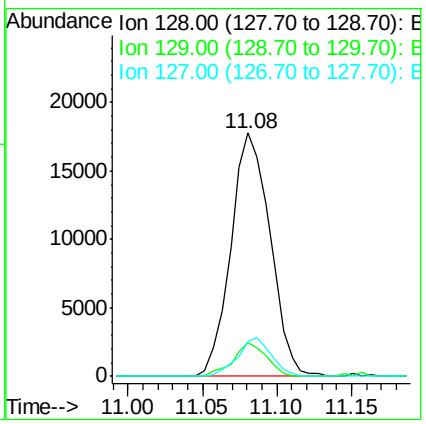




#4
Naphthalene
Concen: 2.664 ng/ul
RT: 11.08 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:128 Resp: 32469

Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.0	13.4#
127	14.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
CB3H4

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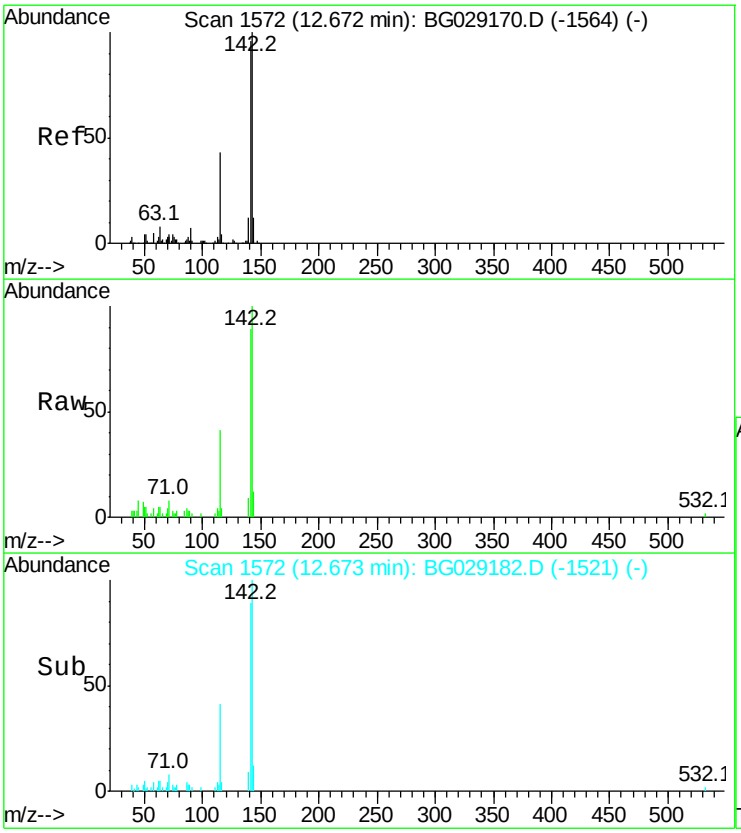
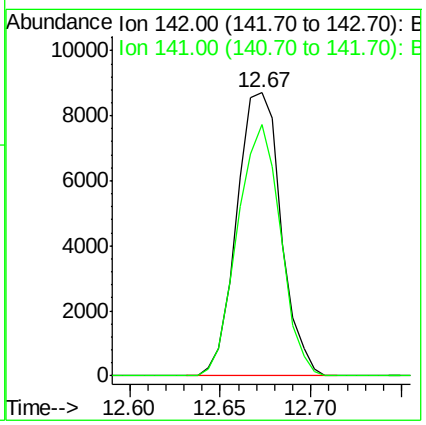
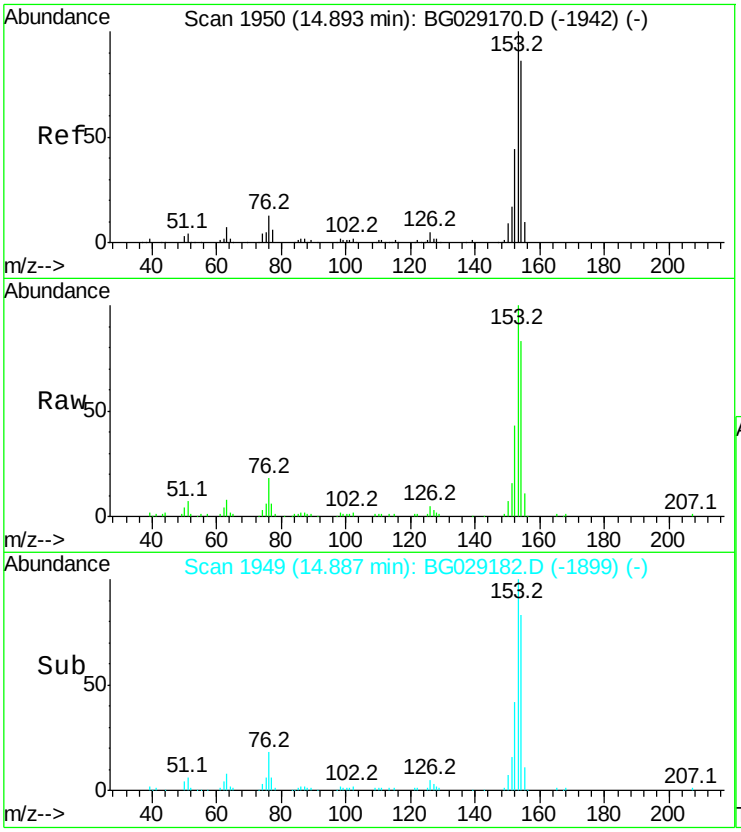


#5
2-Methylnaphthalene
Concen: 1.594 ng/ul
RT: 12.67 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:142 Resp: 14866

Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.8	104.8

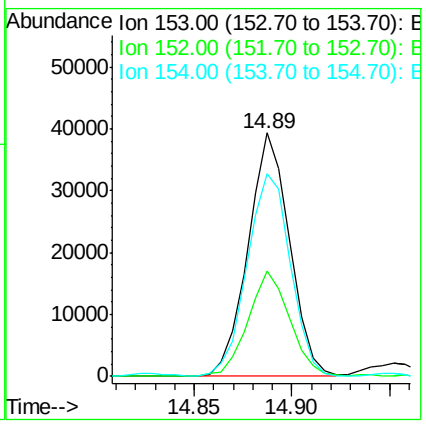




#9
Acenaphthene
Concen: 4.459 ng/ul
RT: 14.89 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:153 Resp: 57868

Ion	Ratio	Lower	Upper
153	100		
152	43.2	36.2	54.4
154	83.3	68.4	102.6



Instrument :
BNA_G
ClientSampleId :
CB3H4

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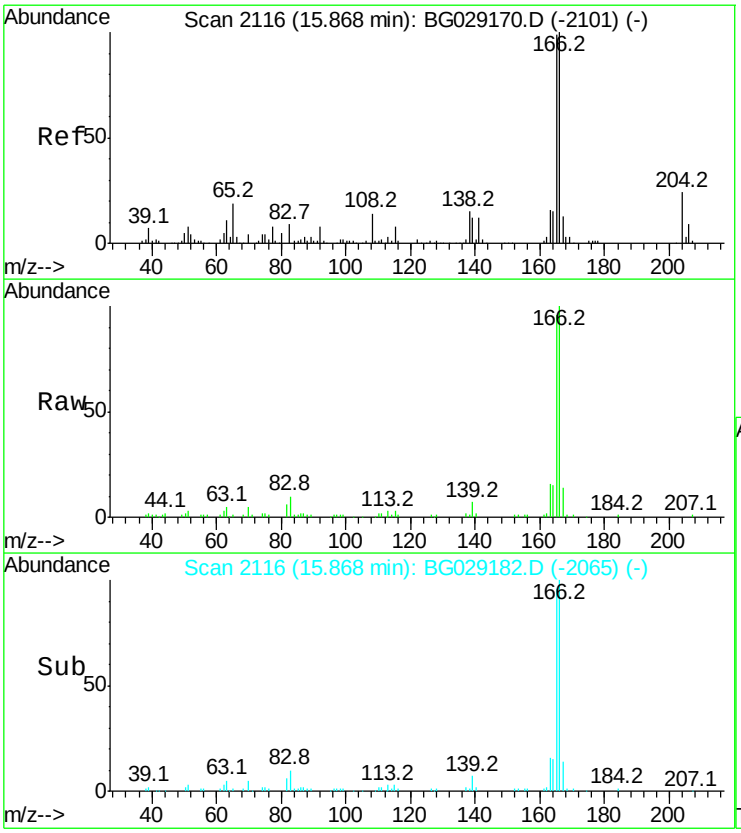
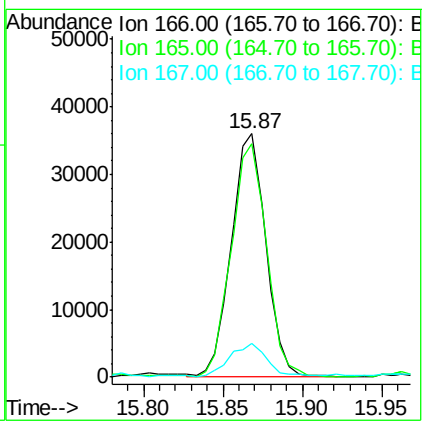
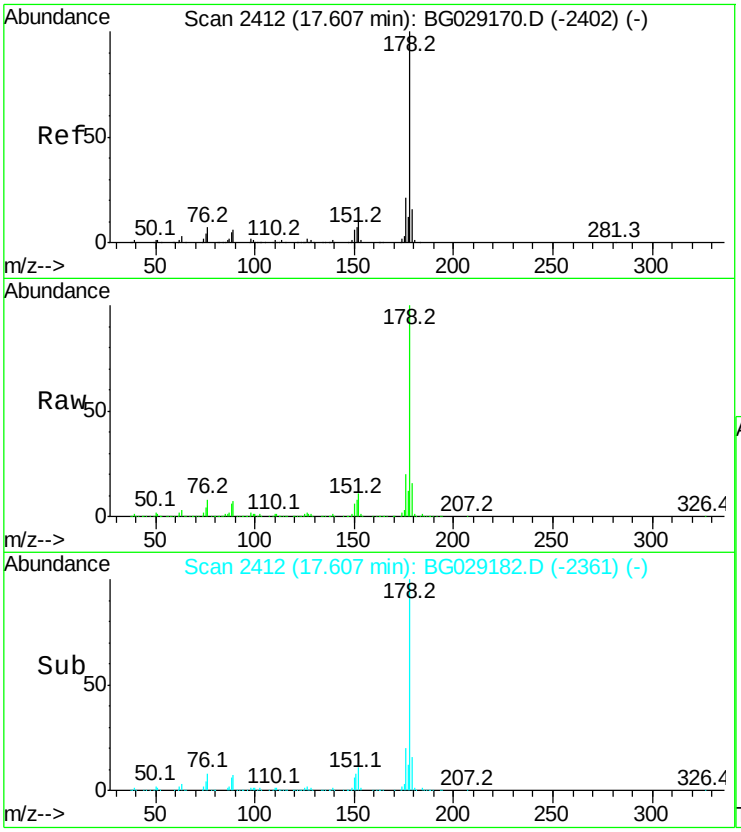


#11
Fluorene
Concen: 3.646 ng/ul
RT: 15.87 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:166 Resp: 54524

Ion	Ratio	Lower	Upper
166	100		
165	95.8	79.4	119.0
167	13.8	10.2	15.4

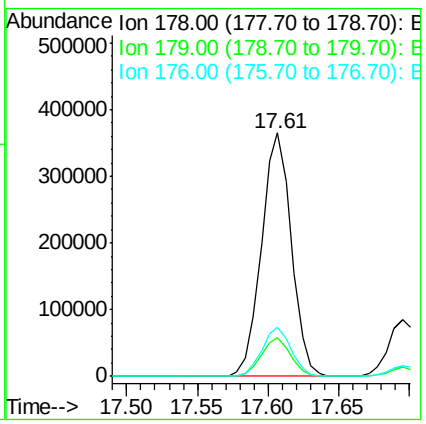




#14
Phenanthrene
Concen: 23.375 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:178 Resp: 542285

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.2
176	20.2	15.0	22.6



Instrument :
BNA_G
ClientSampleId :
CB3H4

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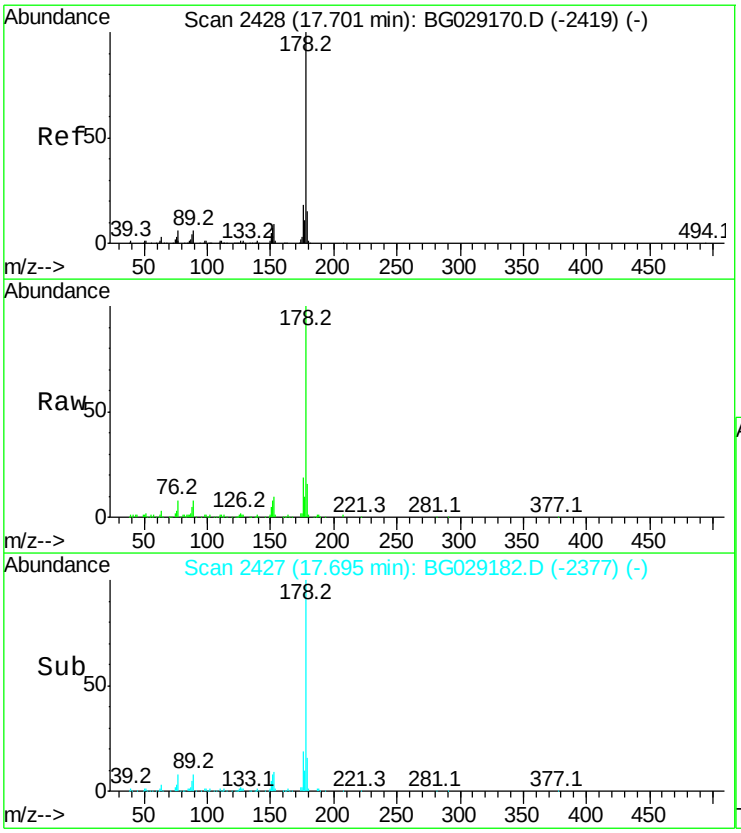
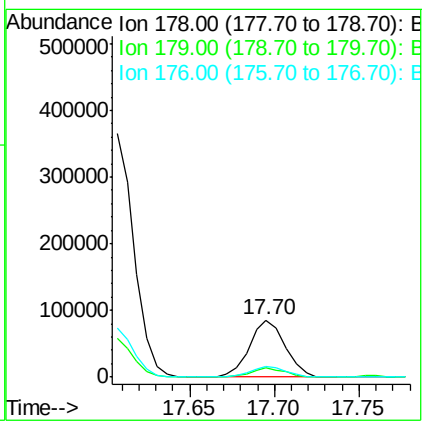
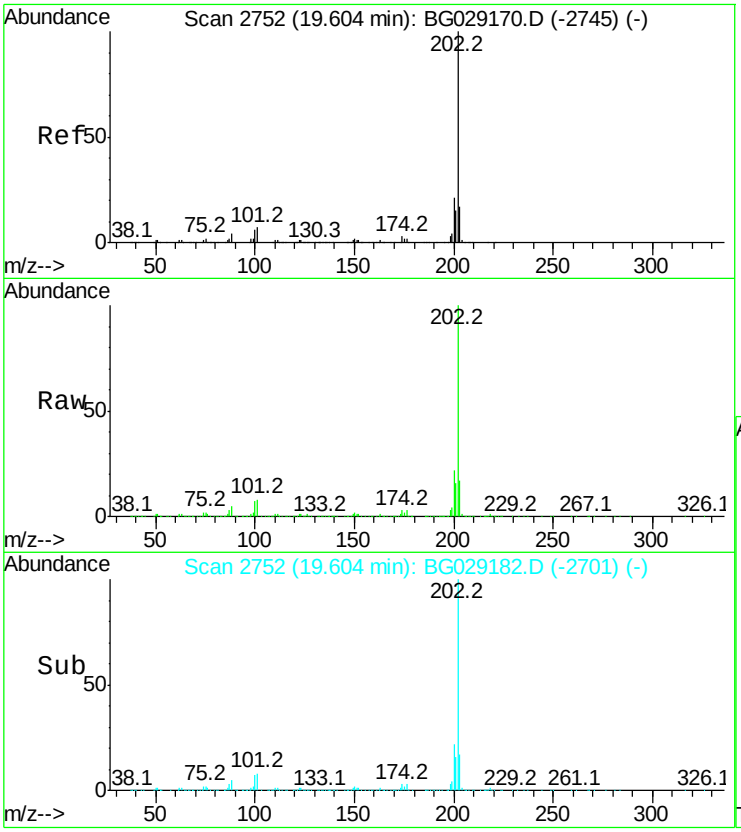


#16
Anthracene
Concen: 5.245 ng/ul
RT: 17.70 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:178 Resp: 124730

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	19.4	15.7	23.5

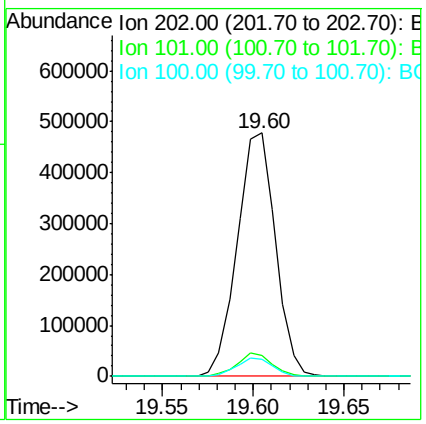




#17
Fluoranthene
Concen: 25.543 ng/ul
RT: 19.60 min Scan# 2752
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:202 Resp: 697296

Ion	Ratio	Lower	Upper
202	100		
101	8.4	5.6	8.4#
100	7.3	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
CB3H4

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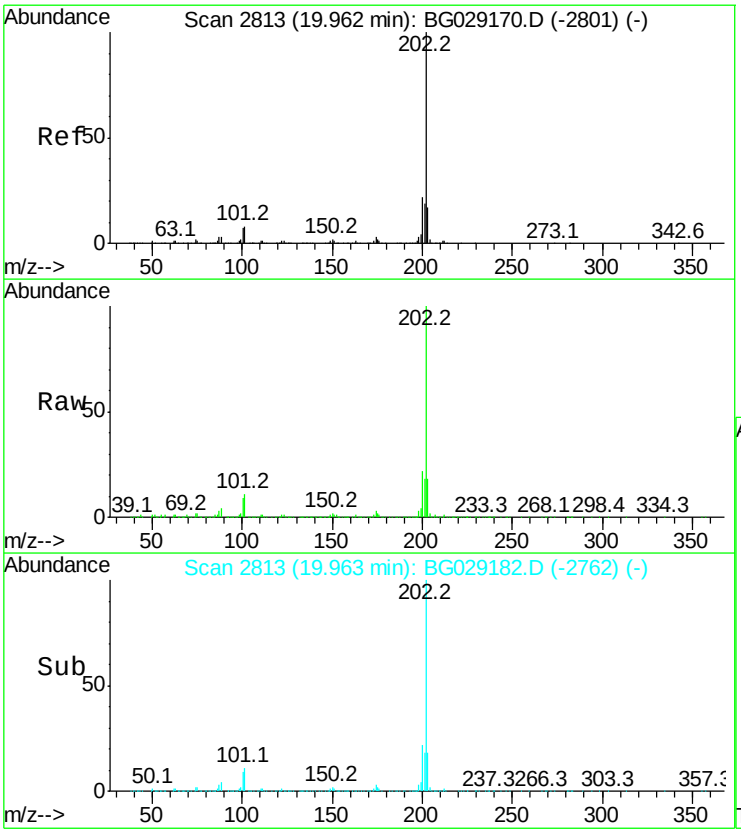
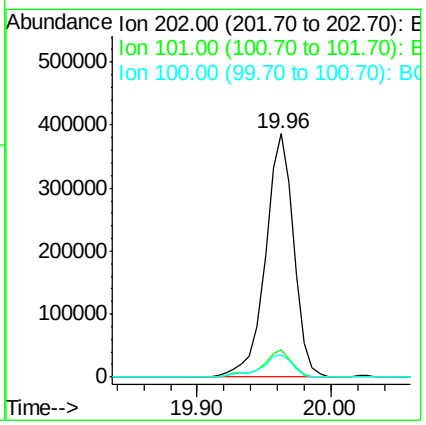
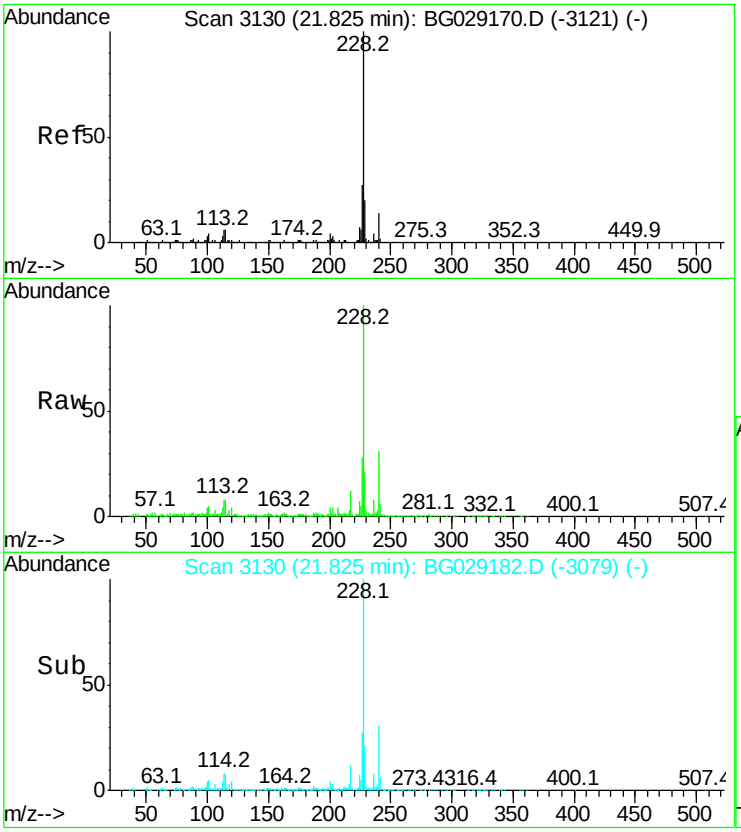


#20
Pyrene
Concen: 21.969 ng/ul
RT: 19.96 min Scan# 2813
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:202 Resp: 566207

Ion	Ratio	Lower	Upper
202	100		
101	11.0	6.5	9.7#
100	9.1	5.5	8.3#

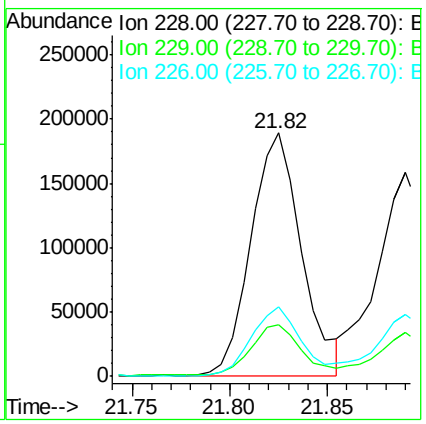




#21
Benzo(a)anthracene
Concen: 13.054 ng/ul
RT: 21.82 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:228 Resp: 338083

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	28.5	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
CB3H4

Manual Integrations APPROVED
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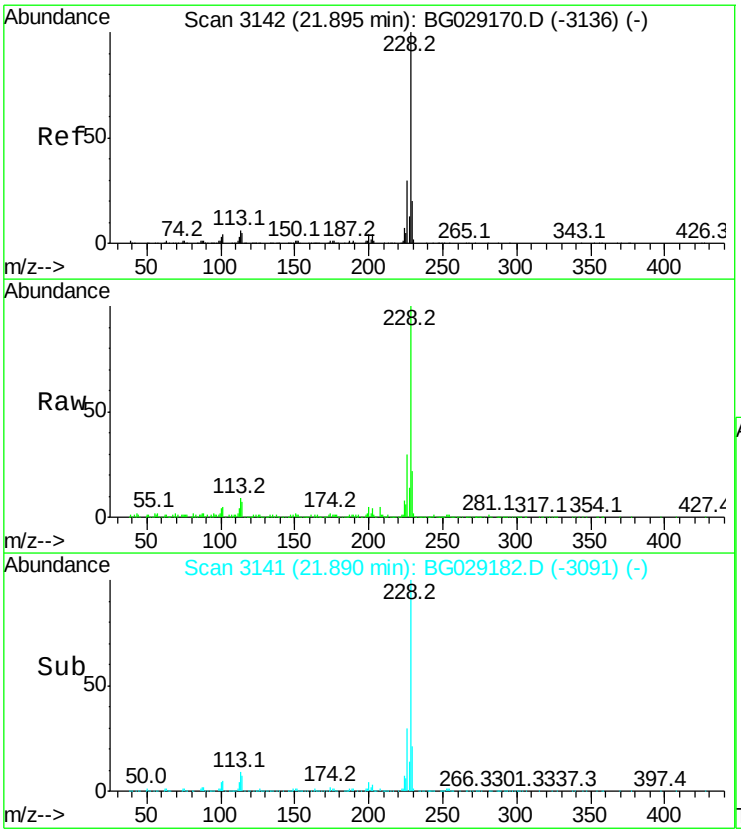
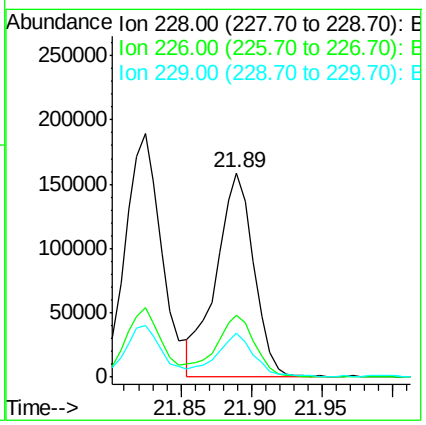
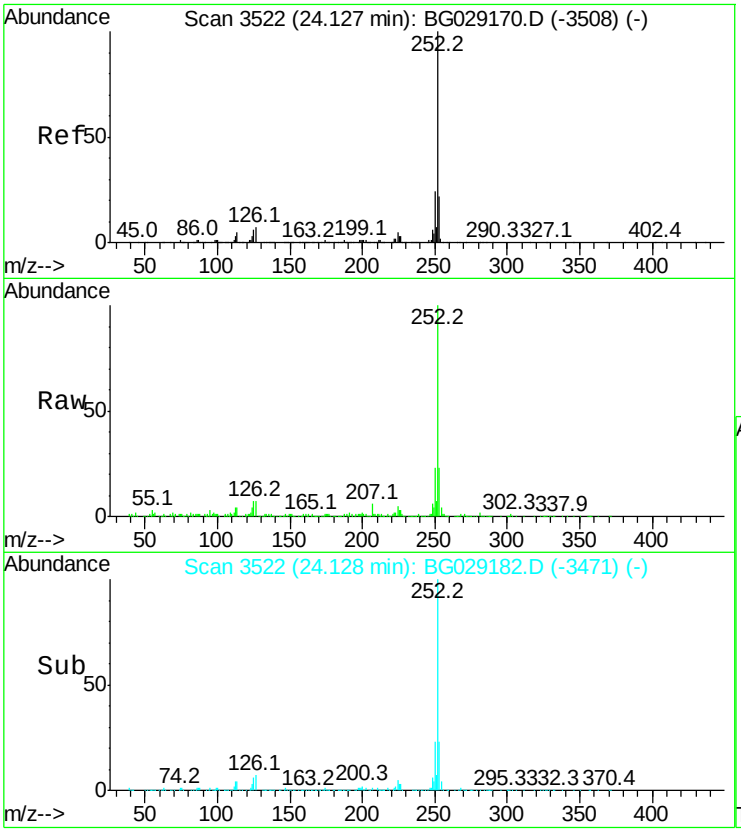


#22
Chrysene
Concen: 12.527 ng/ul
RT: 21.89 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:228 Resp: 292855

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	21.7	15.7	23.5

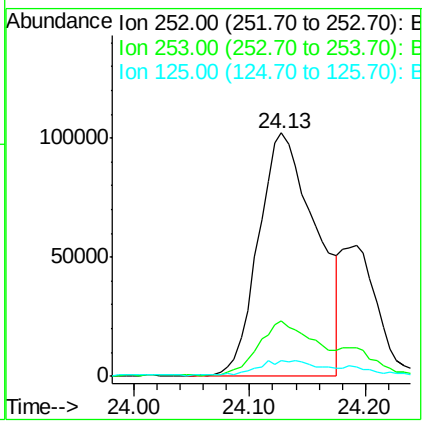




#24
Benzo(b)fluoranthene
Concen: 14.631 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:252 Resp: 353704

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	6.6	4.5	6.7



Instrument :
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ClientSampleId :
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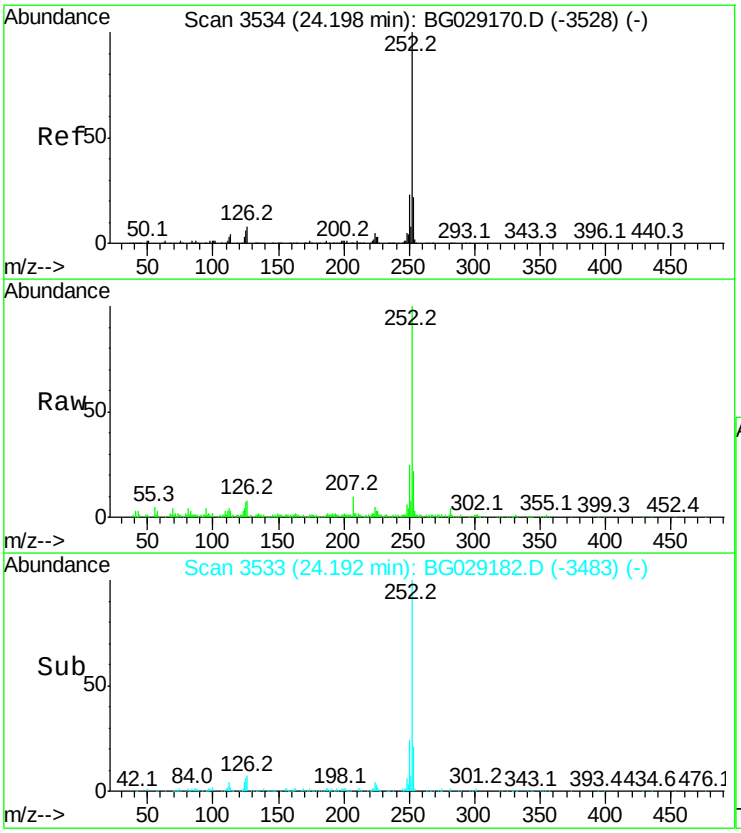
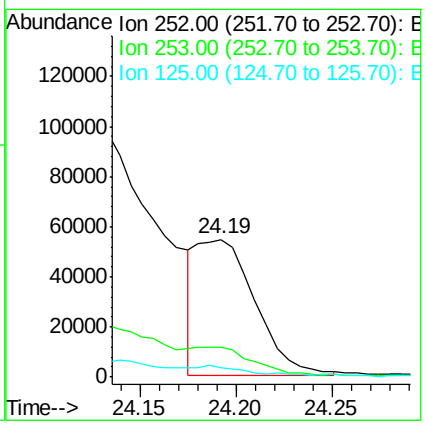
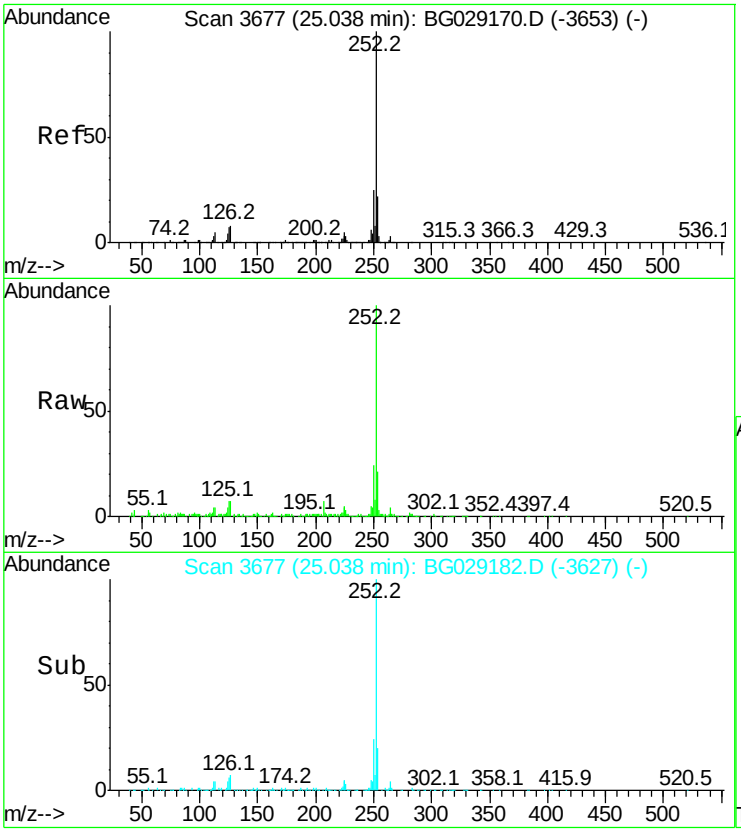


#25
Benzo(k)fluoranthene
Concen: 4.815 ng/ul m
RT: 24.19 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:252 Resp: 114670

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.8	25.2
125	6.9	5.1	7.7

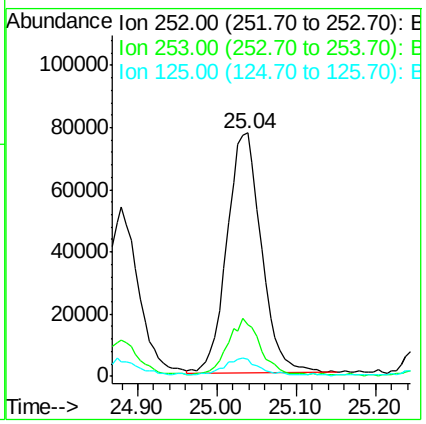




#27
Benzo(a)pyrene
Concen: 9.917 ng/ul
RT: 25.04 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:252 Resp: 233978

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.6	26.4
125	7.1	5.4	8.2



Instrument :
BNA_G
ClientSampleId :
CB3H4

Manual Integrations APPROVED
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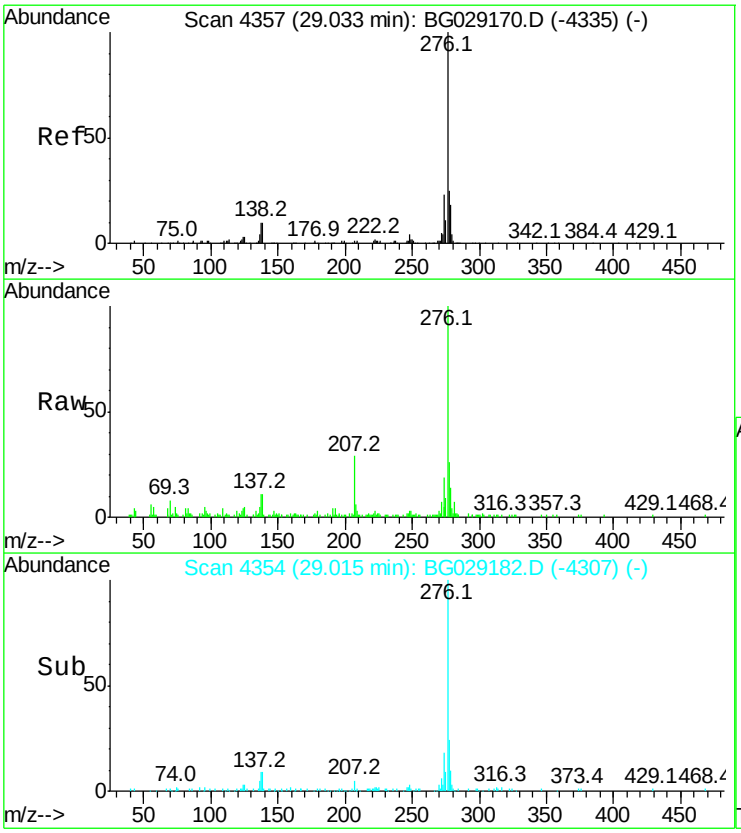
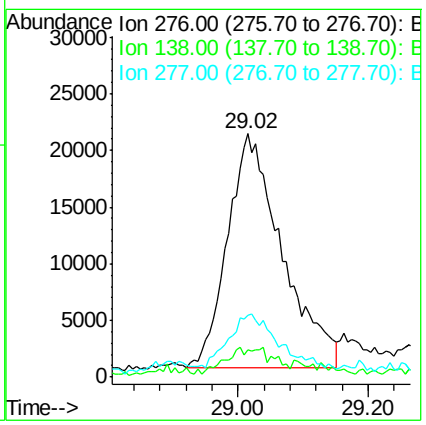
10/13/2017 12:08:20 PM

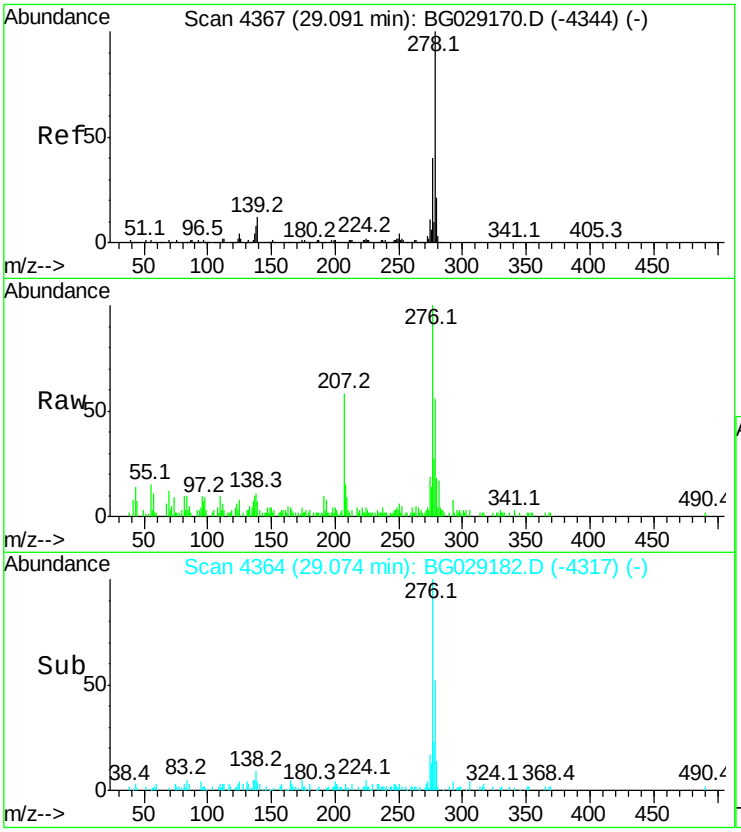


#28
Indeno(1,2,3-cd)pyrene
Concen: 5.311 ng/ul
RT: 29.02 min Scan# 4354
Delta R.T. -0.02 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:276 Resp: 119451

Ion	Ratio	Lower	Upper
276	100		
138	11.0	9.5	14.3
277	25.5	18.1	27.1





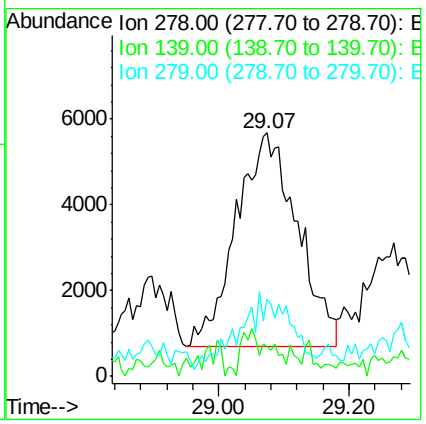
#29
Dibenzo(a,h)anthracene
Concen: 1.622 ng/ul
RT: 29.07 min Scan# 4364
Delta R.T. -0.02 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

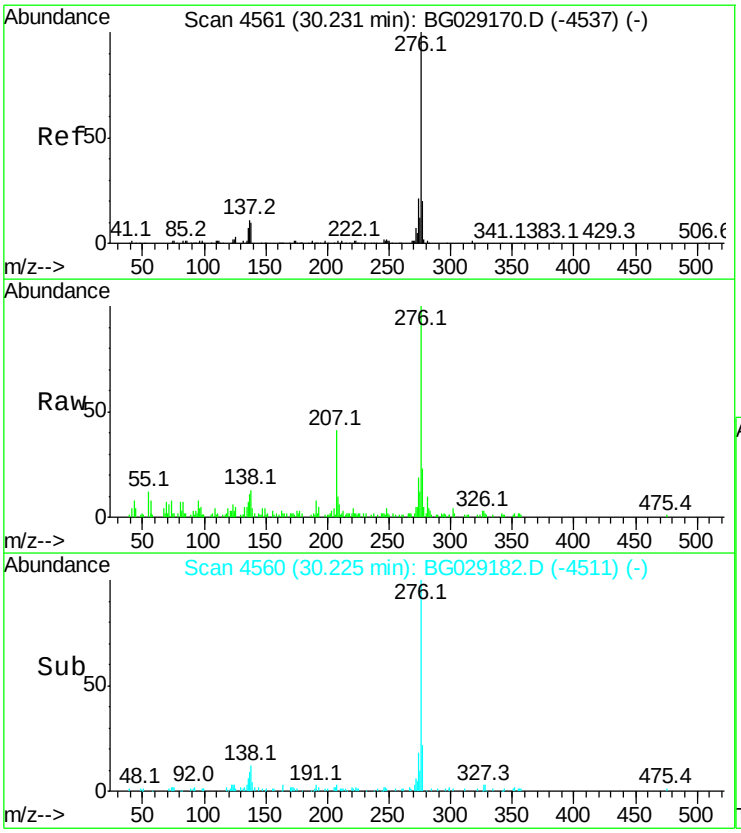
Tgt Ion:278 Resp: 32364

Ion	Ratio	Lower	Upper
278	100		
139	12.1	8.3	12.5
279	31.7	17.1	25.7#

Instrument :
BNA_G
ClientSampleId :
CB3H4

Manual Integrations APPROVED
Sohil
10/13/2017 12:08:20 PM





#30
Benzo(g,h,i)perylene
Concen: 4.850 ng/ul
RT: 30.23 min Scan# 4560
Delta R.T. -0.01 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion:276 Resp: 76050

Ion	Ratio	Lower	Upper
276	100		
138	13.0	9.3	13.9
277	22.7	17.9	26.9