Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029124.D
Acq On : 10 Oct 2017 1:58
Operator : SJ/JU
Sample : I5578-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DAHB1

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:56 PM

Quant Time: Oct 10 07:00:10 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 06:24:09 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	55922	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	238889	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	157870	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	354593	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	370045	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	394786	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	610774	37.20	ng/ul	0.00
10) Fluorene-d10	15.81	176	447960	37.62	ng/ul	0.00
14) Anthracene-d10	17.67	188	647777	37.71	ng/ul	0.00
18) Pyrene-d10	19.94	212	753655	39.81	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.98	264	741197	39.19	ng/ul	0.03
Target Compounds						Qvalue
3) Naphthalene	11.09	128	26604	2.139	ng/ul	96
4) 2-Methylnaphthalene	12.67	142	27586	2.923	ng/ul	94
5) 1-Methylnaphthalene	12.89	142	36460	4.047	ng/ul	98
9) Acenaphthene	14.89	153	39365	3.659	ng/ul	97
11) Fluorene	15.87	166	41325	3.282	ng/ul	88
13) Phenanthrene	17.61	178	943354	49.877	ng/ul	98
15) Anthracene	17.70	178	192905	9.969	ng/ul	98
16) Fluoranthene	19.60	202	1364936	61.562	ng/ul#	91
19) Pyrene	19.97	202	1401005	60.737	ng/ul#	93
20) Benzo(a)anthracene	21.83	228	795942	36.523	ng/ul	94
21) Chrysene	21.89	228	755325	37.851	ng/ul	97
23) Benzo(b)fluoranthene	24.14	252	943471	39.948	ng/ul#	97
24) Benzo(k)fluoranthene	24.20	252	327691m	14.216	ng/ul	
26) Benzo(a)pyrene	25.05	252	729742m	31.811	ng/ul	
27) Indeno(1,2,3-cd)pyrene	29.04	276	455769m	17.506	ng/ul	
28) Dibenzo(a,h)anthracene	29.09	278	110929	5.146	ng/ul#	91
29) Benzo(g,h,i)perylene	30.24	276	342624	15.959	ng/ul#	95

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

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Manual Integrations APPROVED
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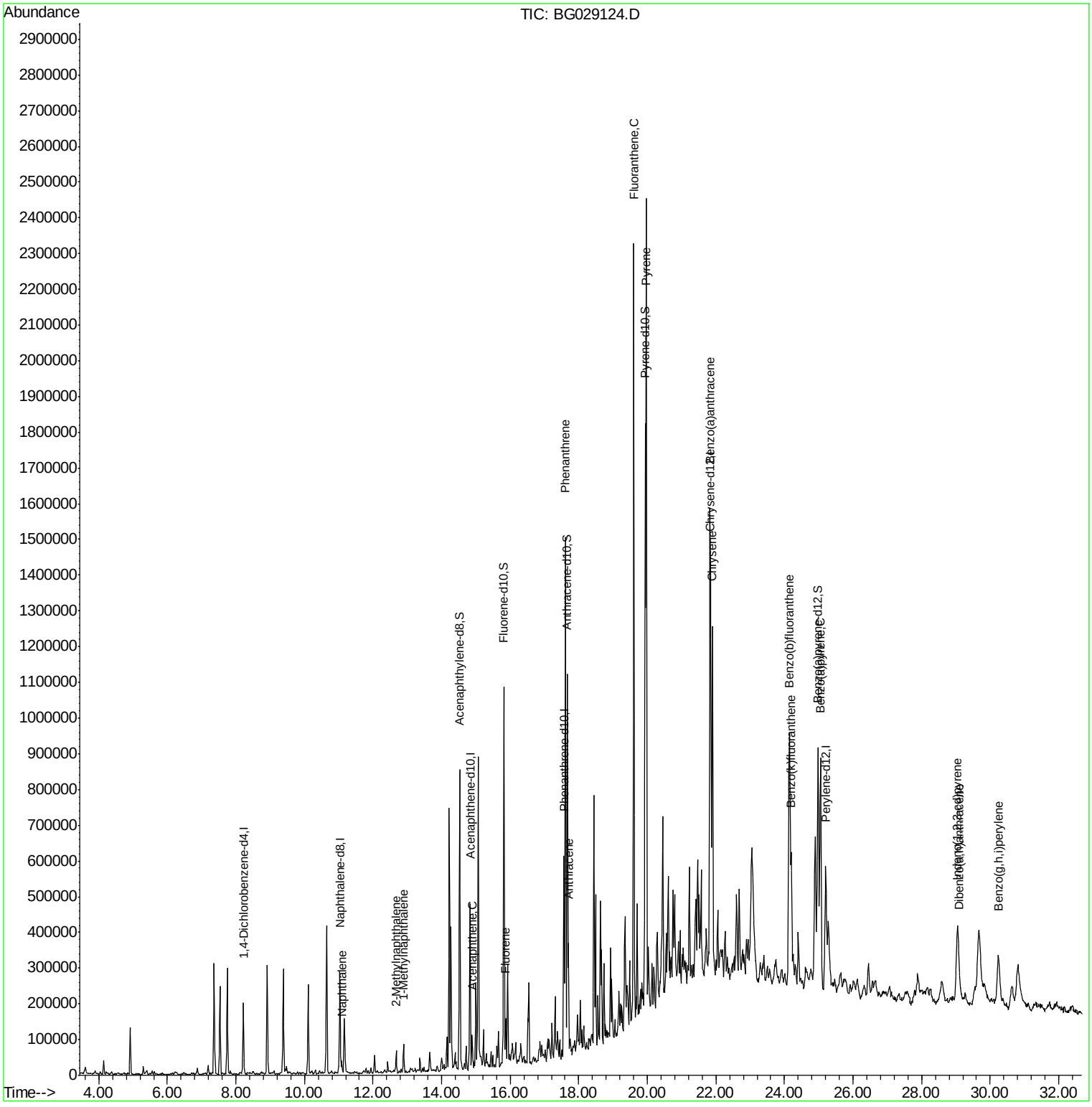
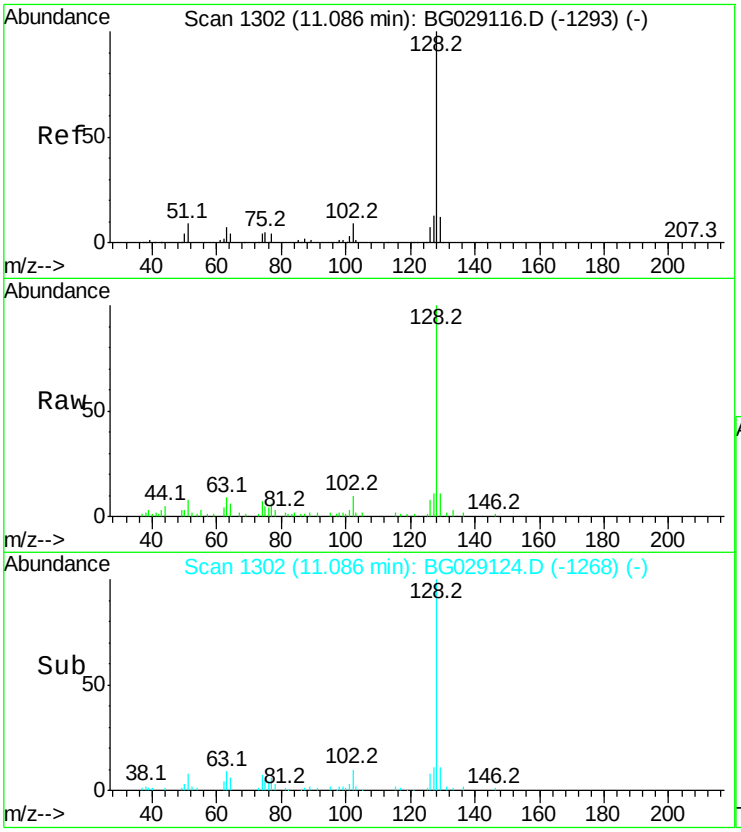
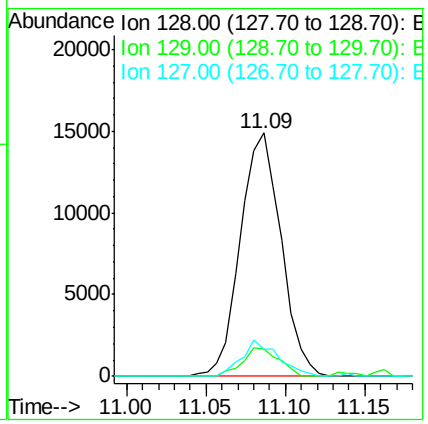




#3
Naphthalene
Concen: 2.139 ng/ul
RT: 11.09 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:128 Resp: 26604

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	11.0	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
DAHB1

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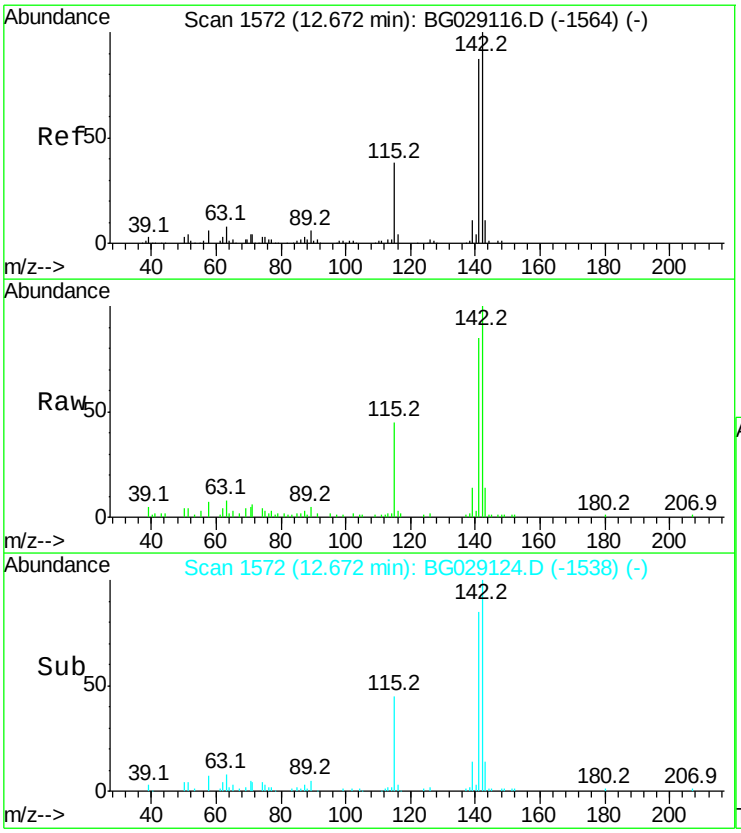
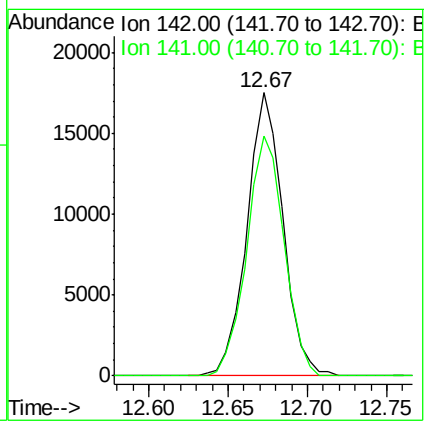
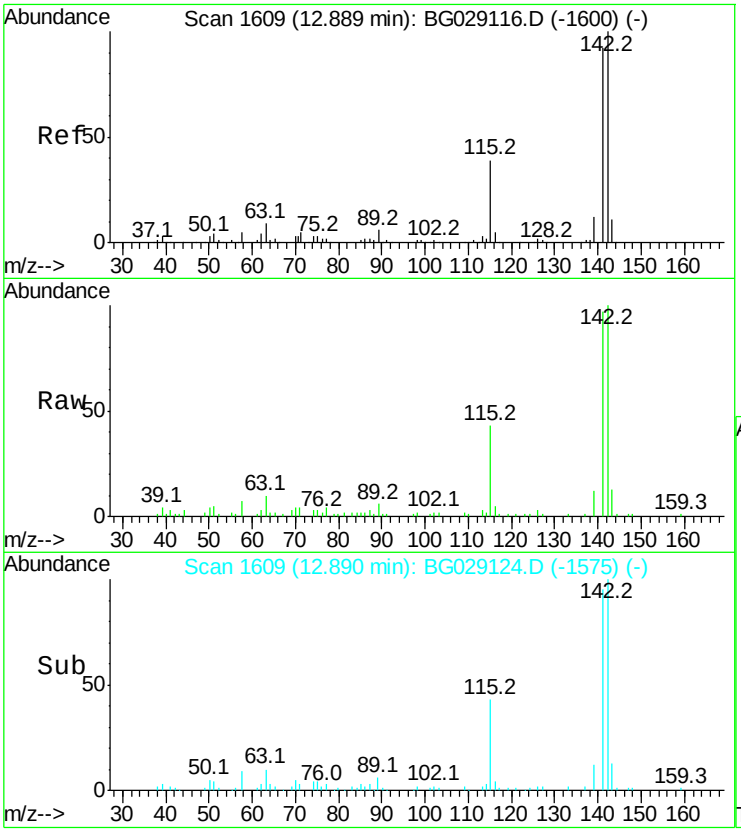


#4
2-Methylnaphthalene
Concen: 2.923 ng/ul
RT: 12.67 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:142 Resp: 27586

Ion	Ratio	Lower	Upper
142	100		
141	84.8	72.7	109.1

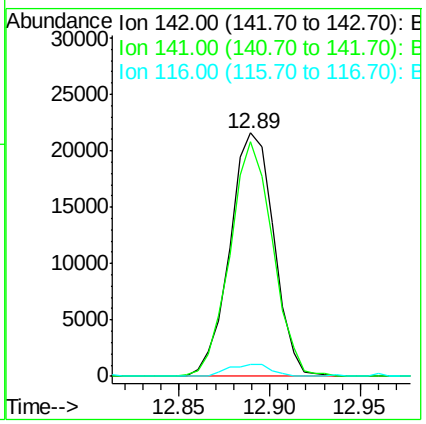




#5
1-Methylnaphthalene
Concen: 4.047 ng/ul
RT: 12.89 min Scan# 1609
Delta R.T. 0.00 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:142 Resp: 36460

Ion	Ratio	Lower	Upper
142	100		
141	96.6	79.3	118.9
116	4.8	4.2	6.2



Instrument :
BNA_G
ClientSampleId :
DAHB1

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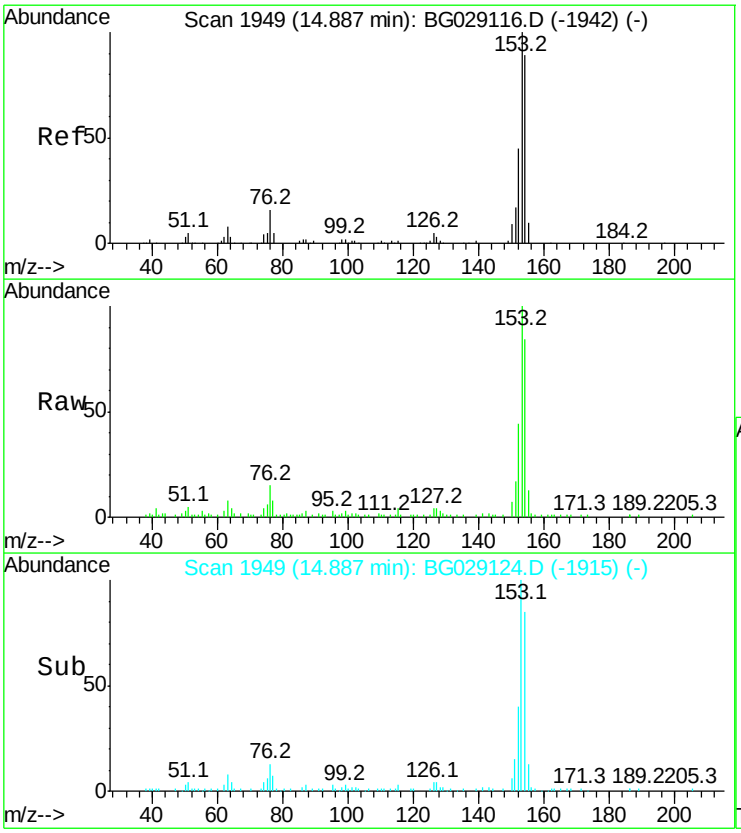
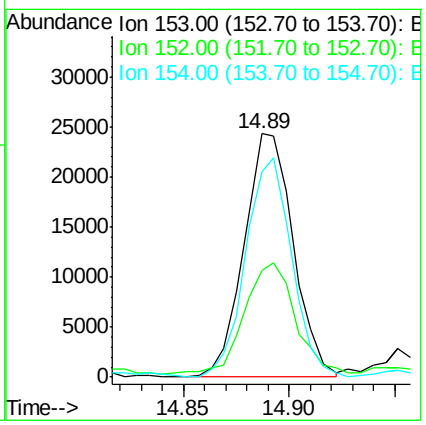
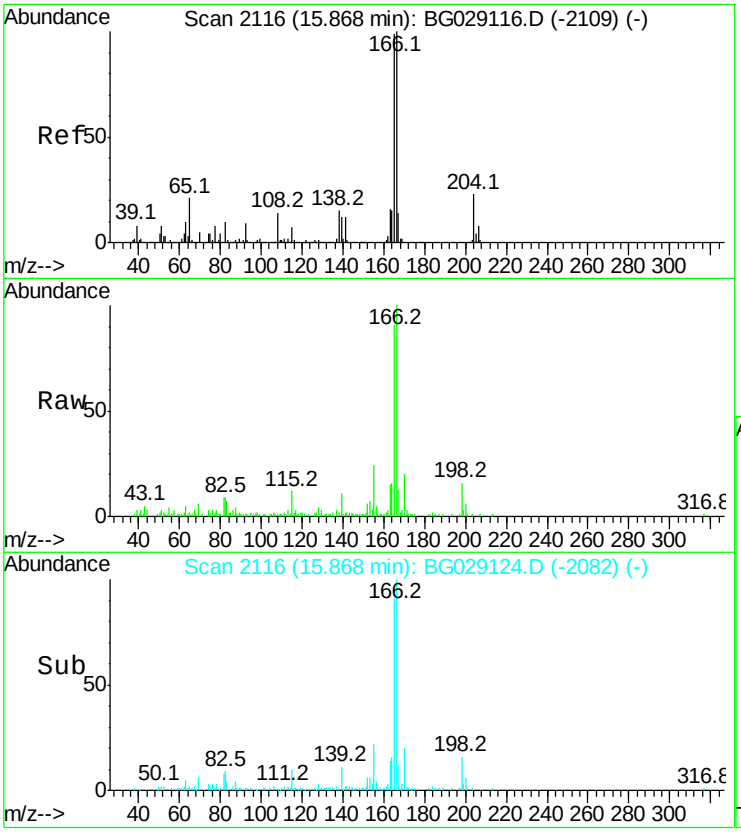


#9
Acenaphthene
Concen: 3.659 ng/ul
RT: 14.89 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:153 Resp: 39365

Ion	Ratio	Lower	Upper
153	100		
152	43.6	39.0	58.6
154	84.4	66.8	100.2

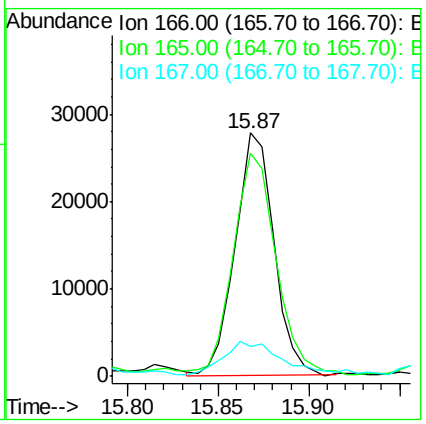




#11
Fluorene
Concen: 3.282 ng/ul
RT: 15.87 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:166 Resp: 41325

Ion	Ratio	Lower	Upper
166	100		
165	91.4	83.8	125.8
167	12.5	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
DAHB1

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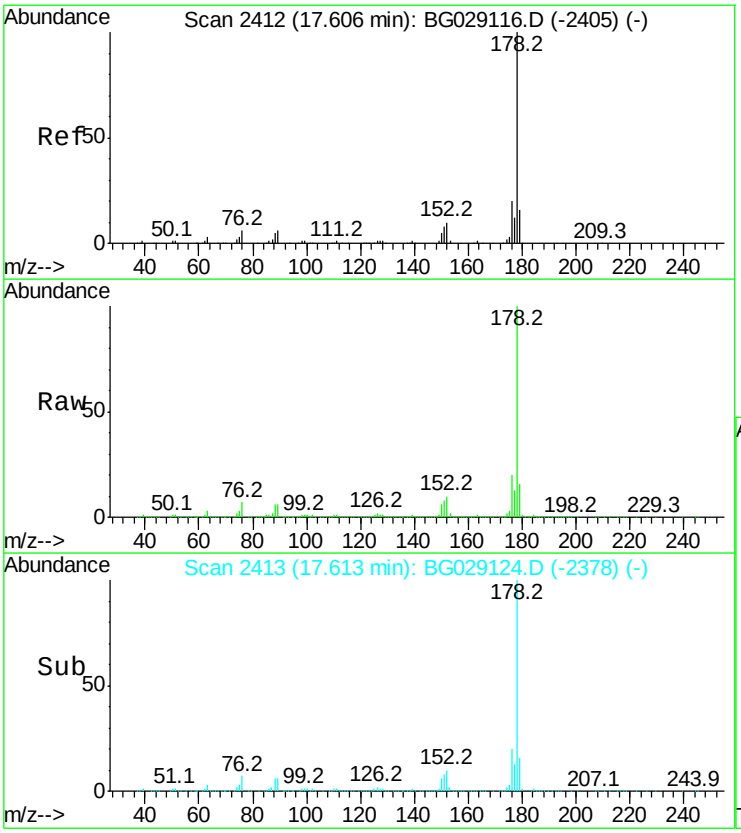
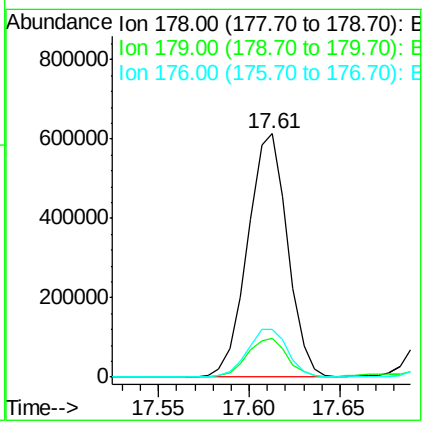
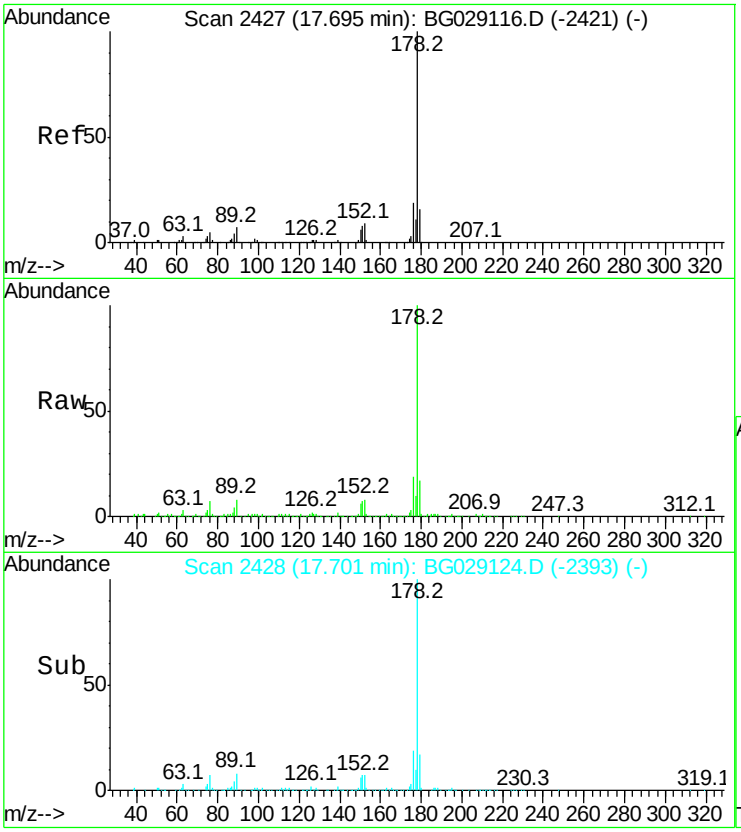


#13
Phenanthrene
Concen: 49.877 ng/ul
RT: 17.61 min Scan# 2413
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:178 Resp: 943354

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.8	15.1	22.7

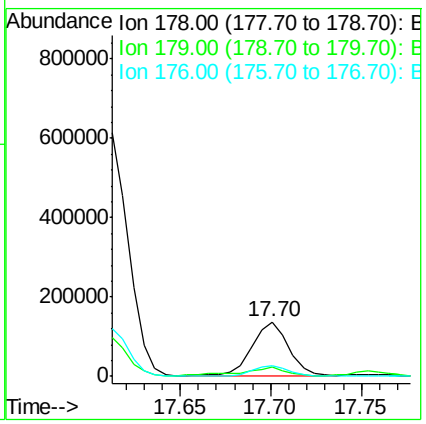




#15
Anthracene
Concen: 9.969 ng/ul
RT: 17.70 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:178 Resp: 192905

Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.8	17.8
176	19.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
DAHB1

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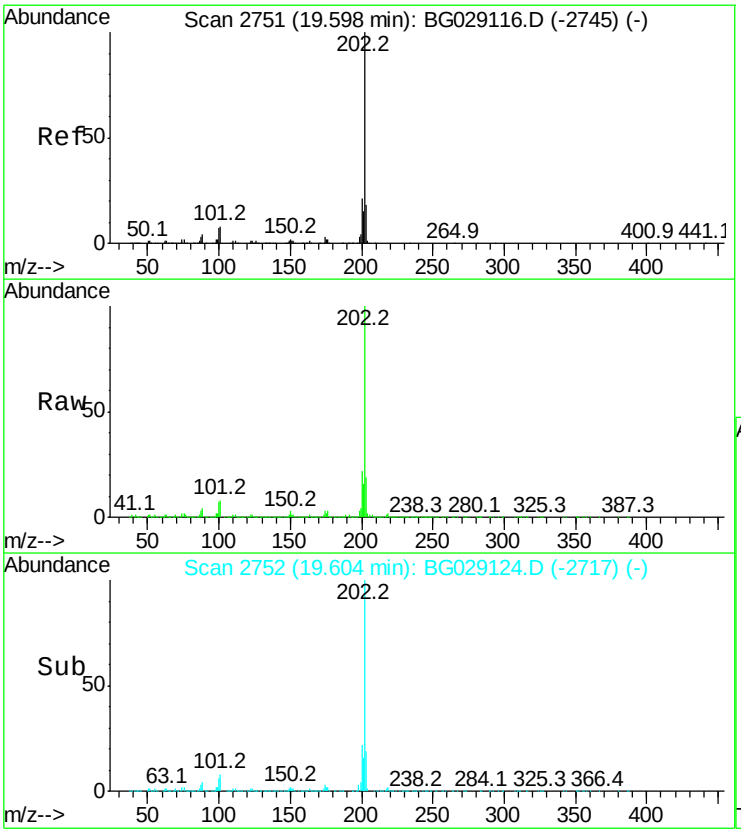
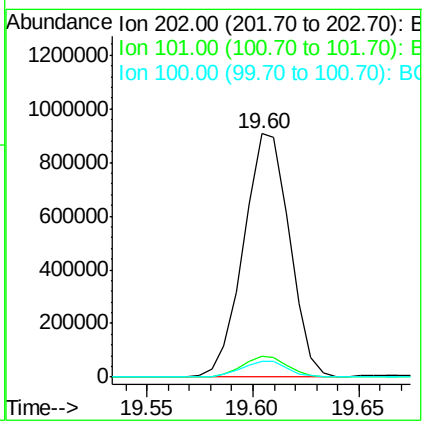
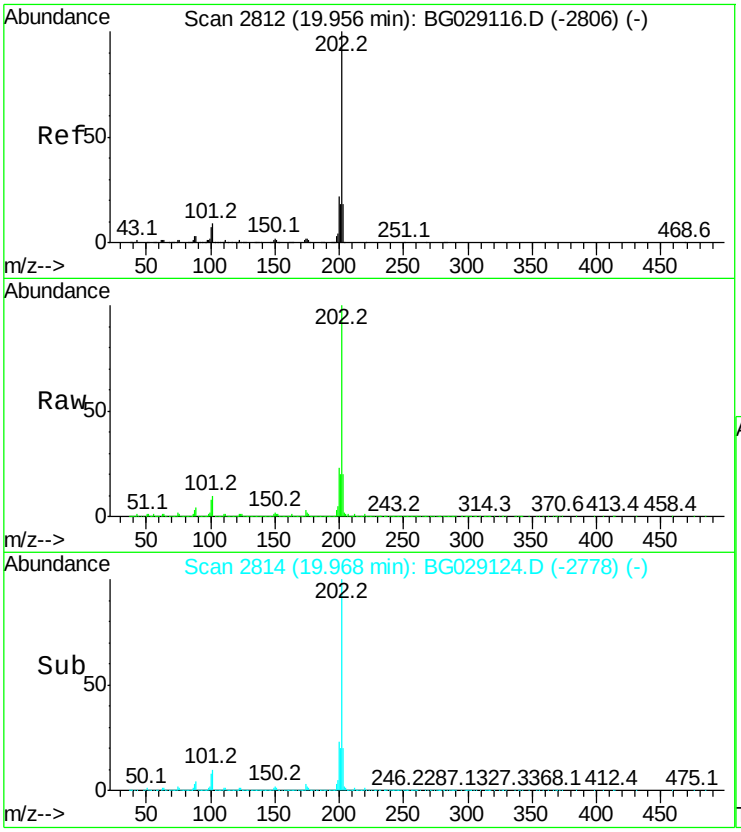


#16
Fluoranthene
Concen: 61.562 ng/ul
RT: 19.60 min Scan# 2752
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:202 Resp: 1364936

Ion	Ratio	Lower	Upper
202	100		
101	8.4	9.9	14.9#
100	6.5	7.4	11.0#





#19
Pyrene
Concen: 60.737 ng/ul
RT: 19.97 min Scan# 2814
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:202 Resp: 1401005

Ion	Ratio	Lower	Upper
202	100		
101	10.1	11.0	16.4#
100	8.3	8.1	12.1

Instrument :
BNA_G
ClientSampleId :
DAHB1

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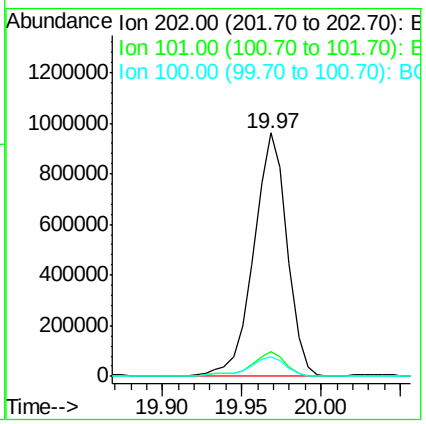
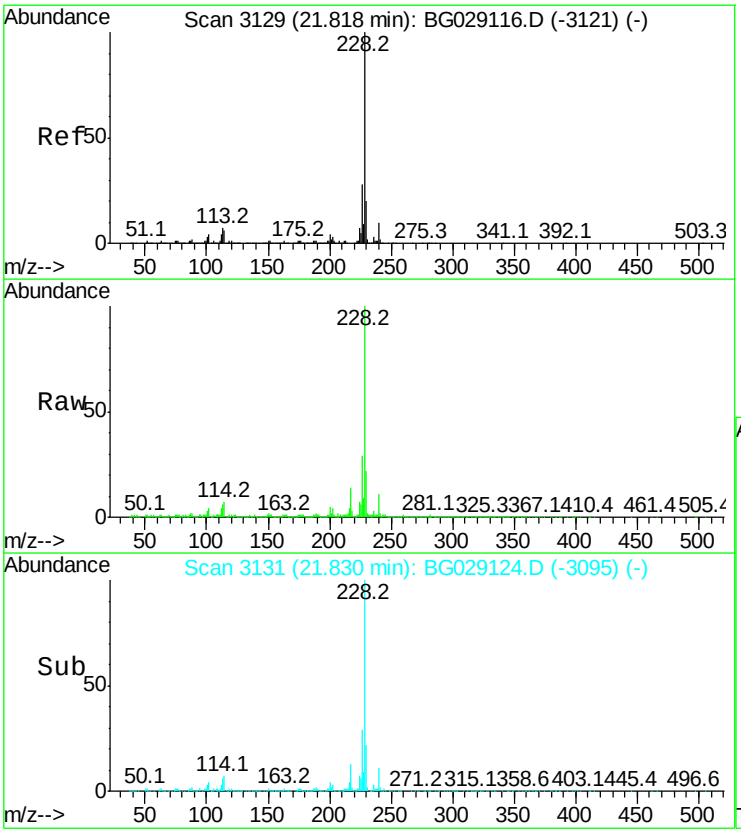
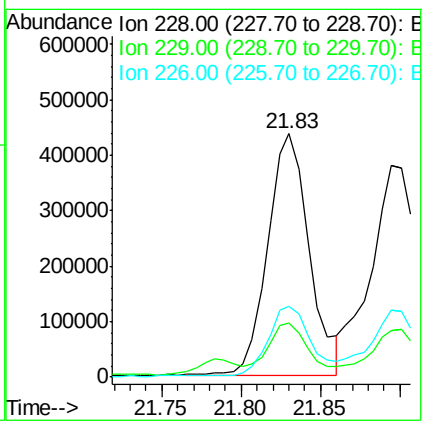


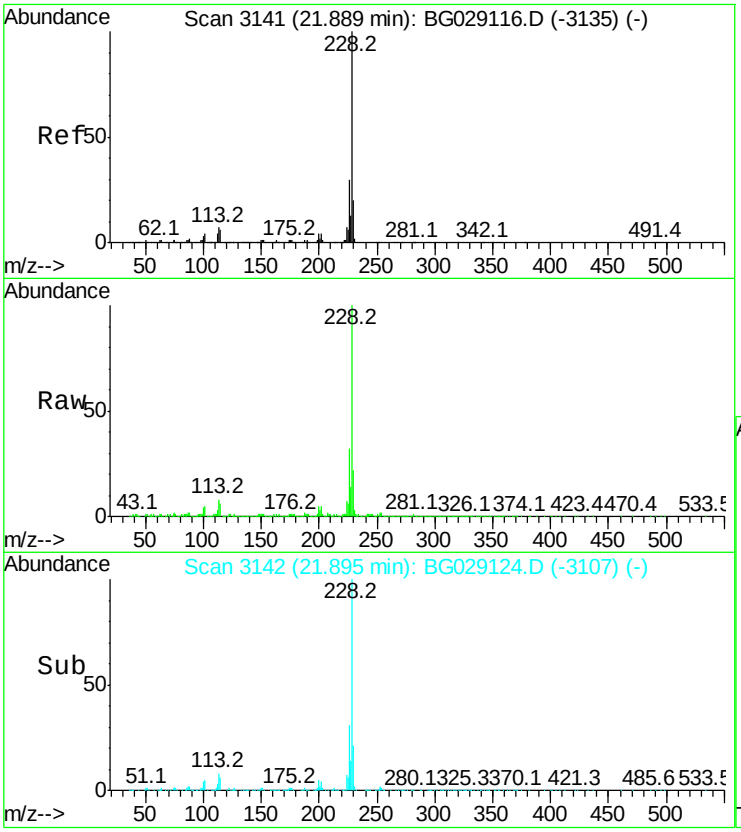


#20
Benzo(a)anthracene
Concen: 36.523 ng/ul
RT: 21.83 min Scan# 3131
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:228 Resp: 795942

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.7	23.5
226	29.1	21.1	31.7

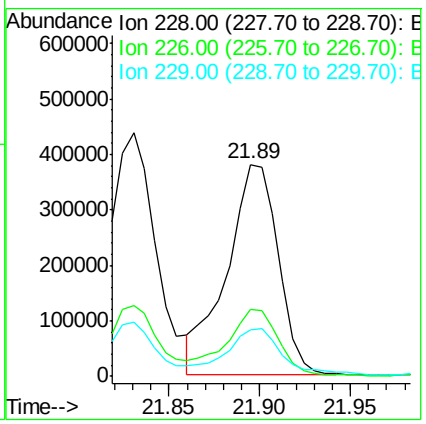




#21
Chrysene
Concen: 37.851 ng/ul
RT: 21.89 min Scan# 3142
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:228 Resp: 755325

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.5	36.7
229	22.0	15.8	23.8



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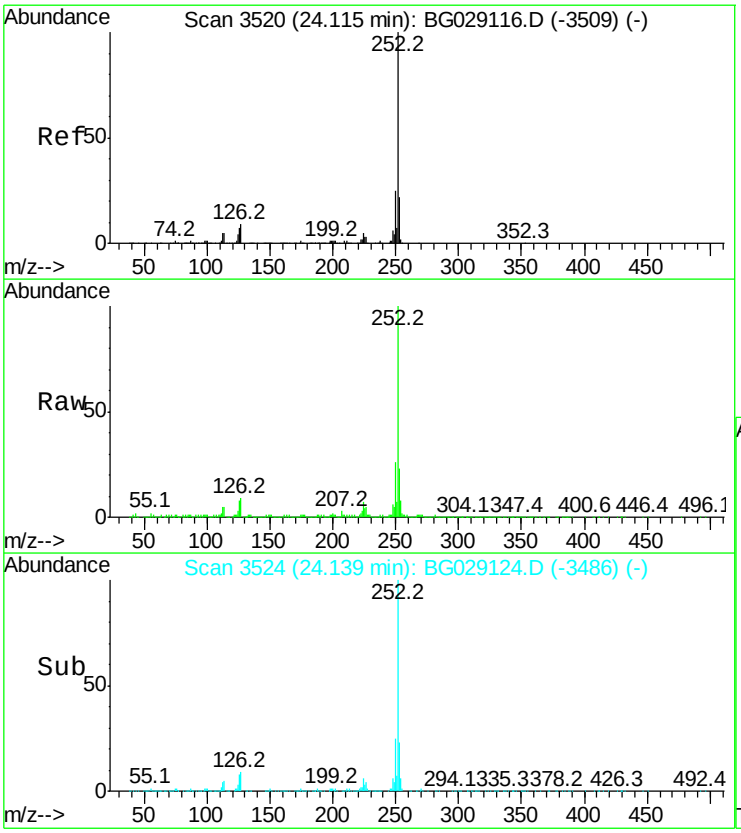
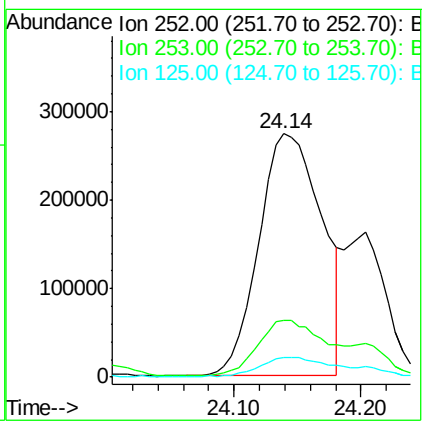
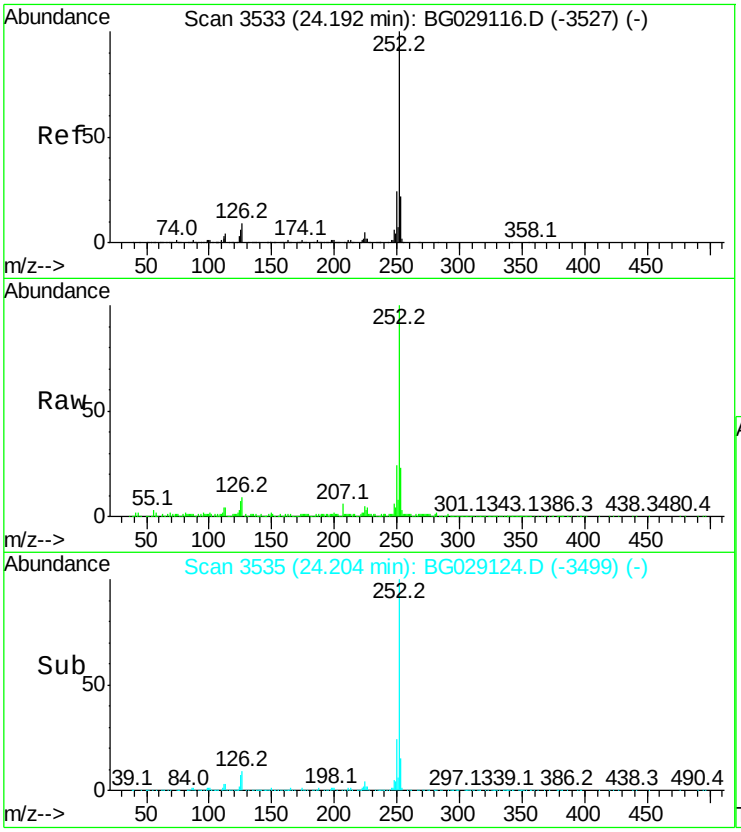


#23
Benzo(b)fluoranthene
Concen: 39.948 ng/ul
RT: 24.14 min Scan# 3524
Delta R.T. 0.02 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:252 Resp: 943471

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	7.9	8.0	12.0#

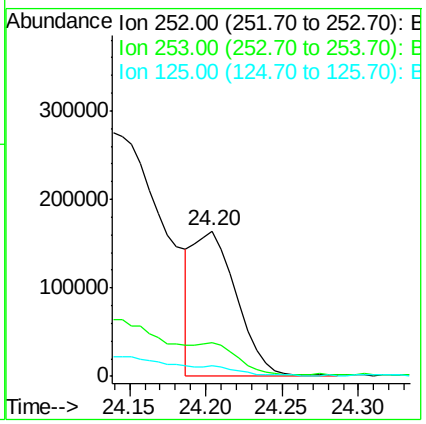




#24
Benzo(k)fluoranthene
Concen: 14.216 ng/ul m
RT: 24.20 min Scan# 3535
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:252 Resp: 327691

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	7.1	8.1	12.1#



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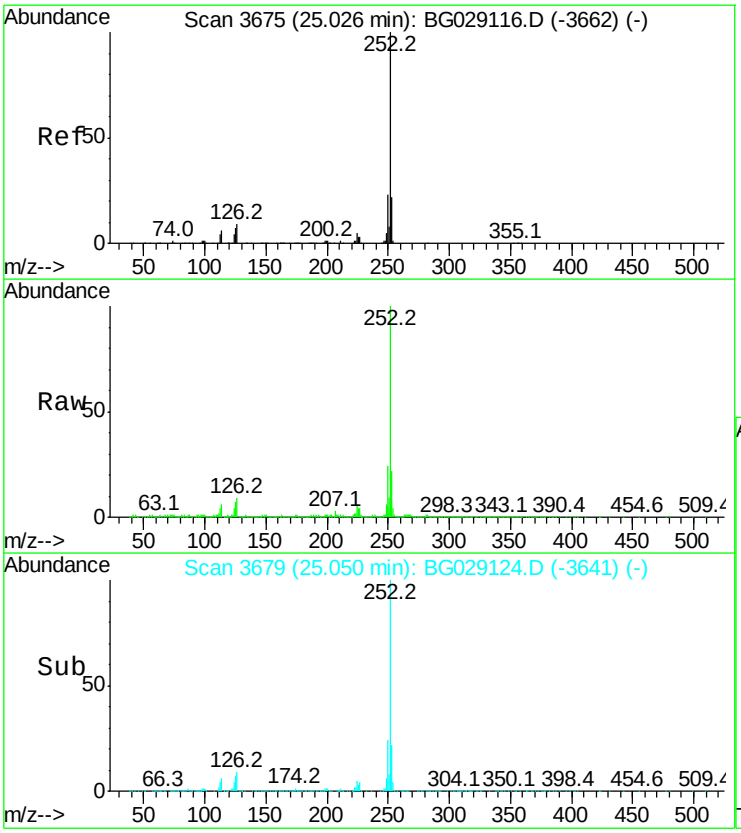
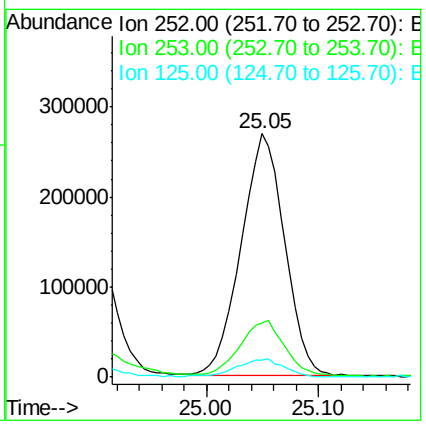
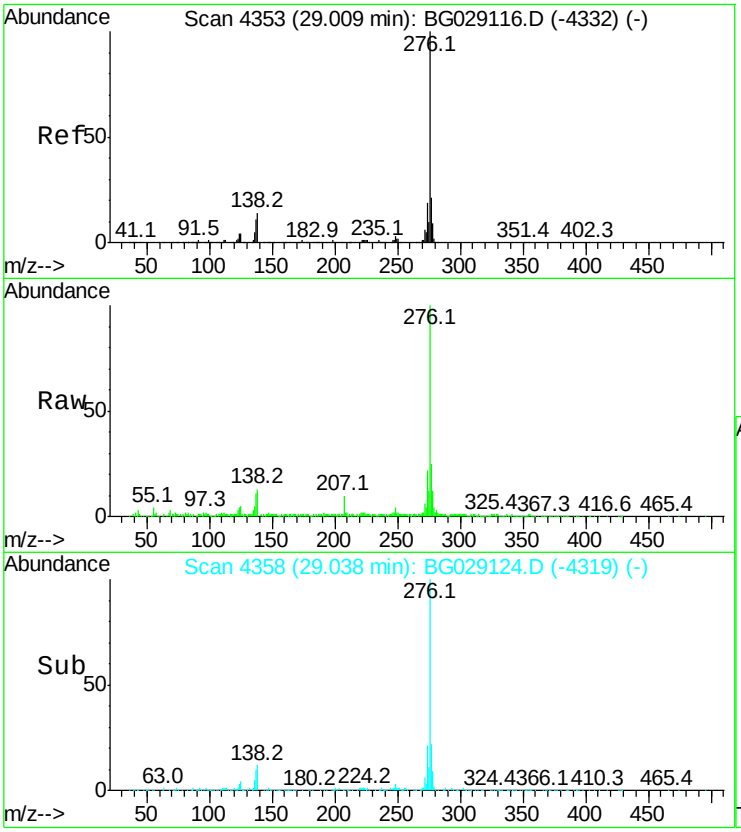


#26
Benzo(a)pyrene
Concen: 31.811 ng/ul m
RT: 25.05 min Scan# 3679
Delta R.T. 0.02 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:252 Resp: 729742

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	7.1	8.2	12.4#

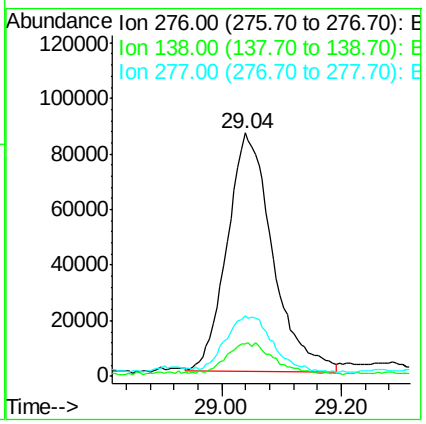




#27
Indeno(1,2,3-cd)pyrene
Concen: 17.506 ng/ul m
RT: 29.04 min Scan# 4358
Delta R.T. 0.03 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:276 Resp: 455769

Ion	Ratio	Lower	Upper
276	100		
138	13.5	14.4	21.6#
277	24.9	18.0	27.0



Instrument :
BNA_G
ClientSampleId :
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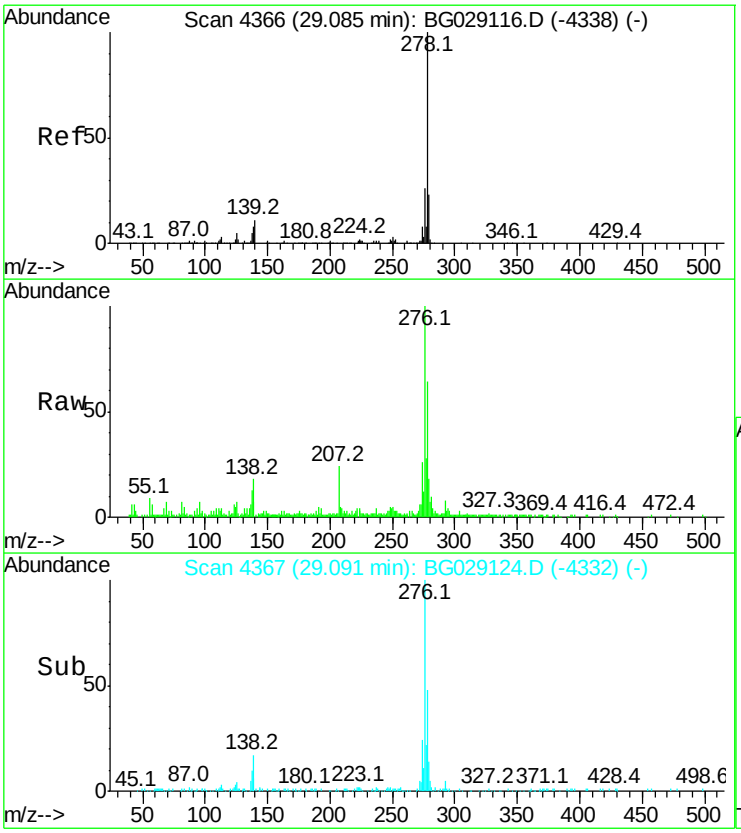
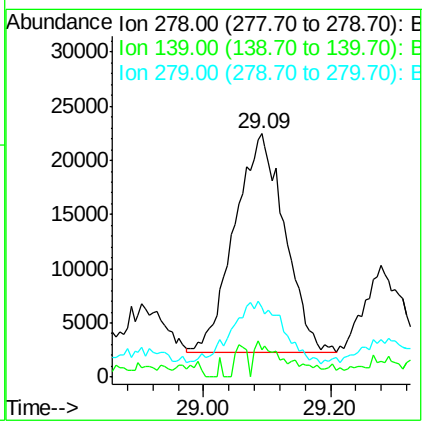
Sohil
10/10/2017 5:03:56 PM

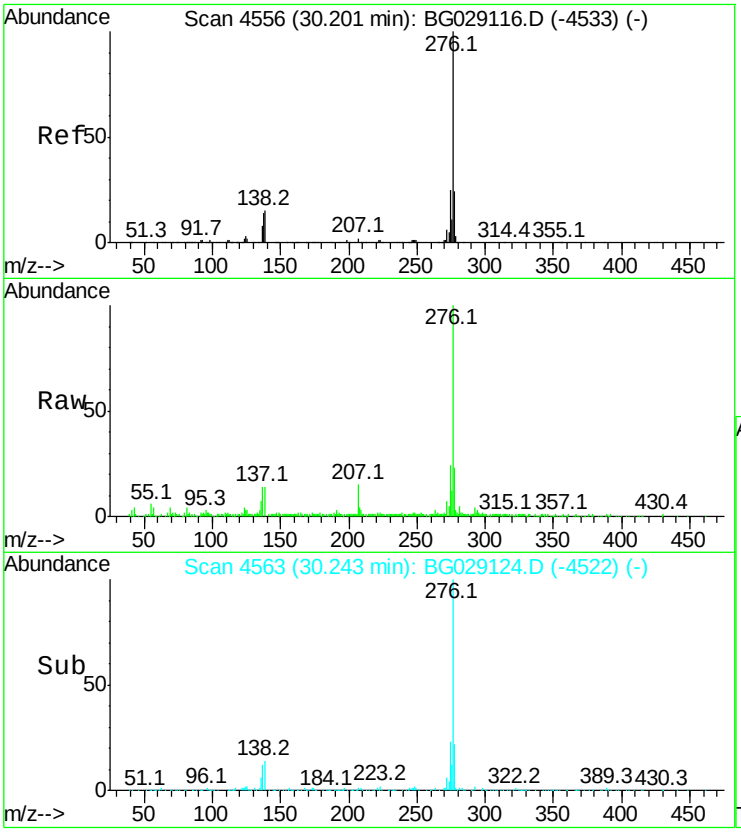


#28
Dibenzo(a,h)anthracene
Concen: 5.146 ng/ul
RT: 29.09 min Scan# 4367
Delta R.T. 0.01 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:278 Resp: 110929

Ion	Ratio	Lower	Upper
278	100		
139	11.5	12.2	18.4#
279	28.6	19.2	28.8

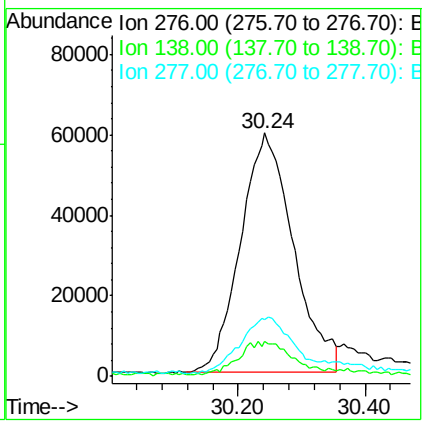




#29
Benzo(g,h,i)perylene
Concen: 15.959 ng/ul
RT: 30.24 min Scan# 4563
Delta R.T. 0.04 min
Lab File: BG029124.D
Acq: 10 Oct 2017 1:58

Tgt Ion:276 Resp: 342624

Ion	Ratio	Lower	Upper
276	100		
138	14.4	15.3	22.9#
277	23.4	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
DAHB1

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:56 PM