Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:38:01 PM

Quant Time: Dec 31 15:13:32 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	28837	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	125325	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	88737	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	211597	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	256087	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	250341	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.43	96	929	1.93	ng/uL	0.00
5) Phenol-d5	7.22	99	24956	10.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	15484	10.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	20557	11.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	21927	10.49	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	11015	11.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	13235	11.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	24877	11.65	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	11496	4.54	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	79797	10.99	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	102420	12.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	8580	7.53	ng/ul	0.00
58) Fluorene-d10	15.68	176	79991	12.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	9751	7.60	ng/ul	0.00
71) Anthracene-d10	17.54	188	122607	12.44	ng/ul	0.00
79) Pyrene-d10	19.83	212	145153	12.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	159962	12.81	ng/ul	0.01
Target Compounds						Qvalue
28) Naphthalene	10.92	128	45105	6.80	ng/ul	98
34) 2-Methylnaphthalene	12.52	142	16661	3.35	ng/ul	99
45) Dimethylphthalate	14.14	163	27407	3.69	ng/ul#	98
48) Acenaphthylene	14.42	152	70269	8.00	ng/ul	100
50) Acenaphthene	14.76	153	7449	1.25	ng/ul	89
59) Fluorene	15.74	166	15183	2.10	ng/ul	93
70) Phenanthrene	17.48	178	197391	17.16	ng/ul	99
72) Anthracene	17.58	178	49811	4.23	ng/ul	99
77) Fluoranthene	19.49	202	383103	27.26	ng/ul	100
80) Pyrene	19.86	202	611499	41.23	ng/ul	99
83) Benzo(a)anthracene	21.70	228	355363	23.72	ng/ul	92
85) Chrysene	21.76	228	444207	31.50	ng/ul	95
88) Benzo(b)fluoranthene	23.95	252	549656	36.98	ng/ul	100
89) Benzo(k)fluoranthene	24.00	252	185421m	13.02	ng/ul	
91) Benzo(a)pyrene	24.84	252	458494	32.10	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.72	276	365466	21.45	ng/ul	95
93) Dibenzo(a,h)anthracene	28.75	278	110988	7.81	ng/ul	95
94) Benzo(g,h,i)perylene	29.90	276	445057	31.79	ng/ul	99

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

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Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
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Instrument :
BNA_G
ClientSampleId :
G9D89DL

Manual Integrations APPROVED
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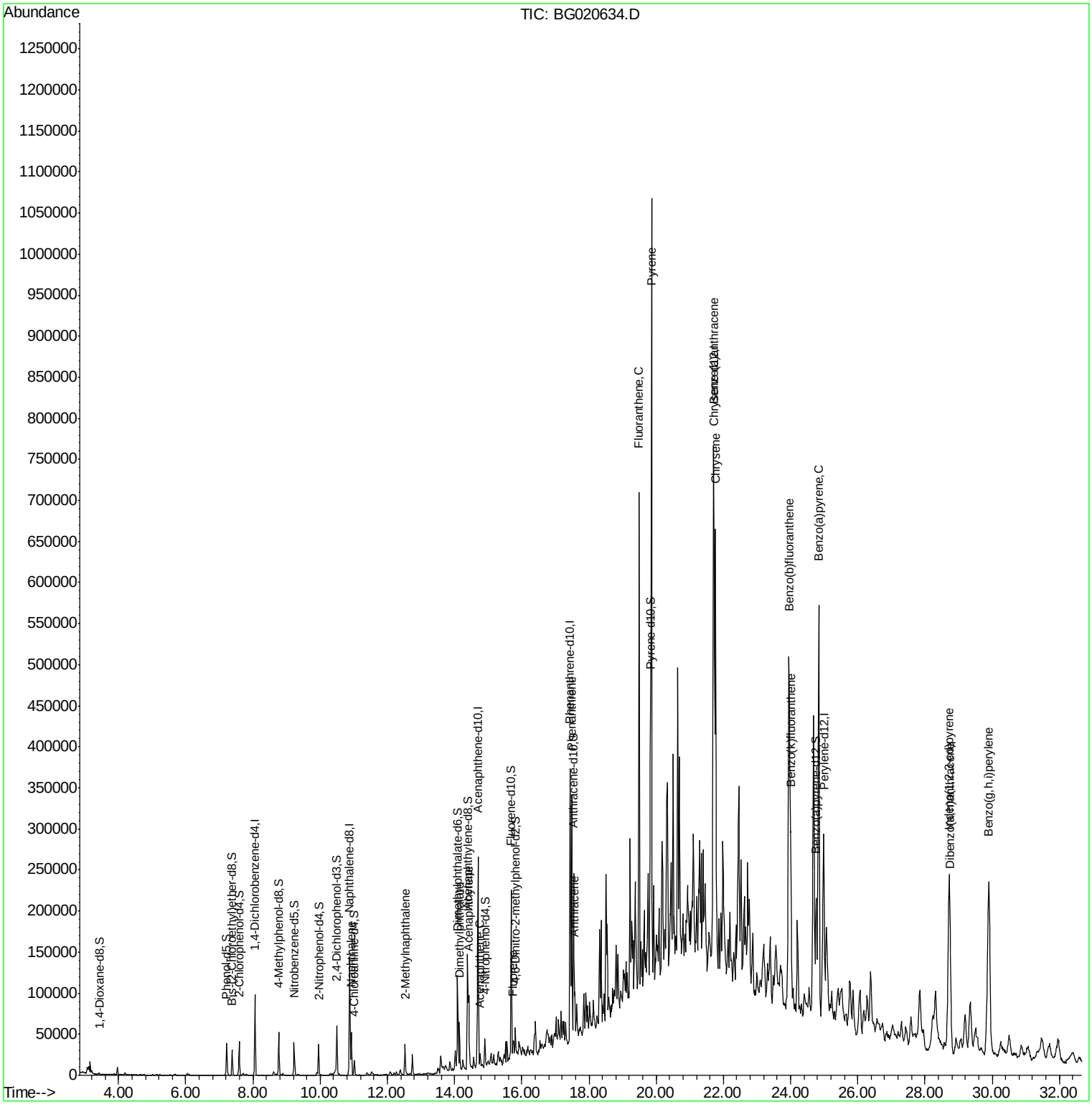
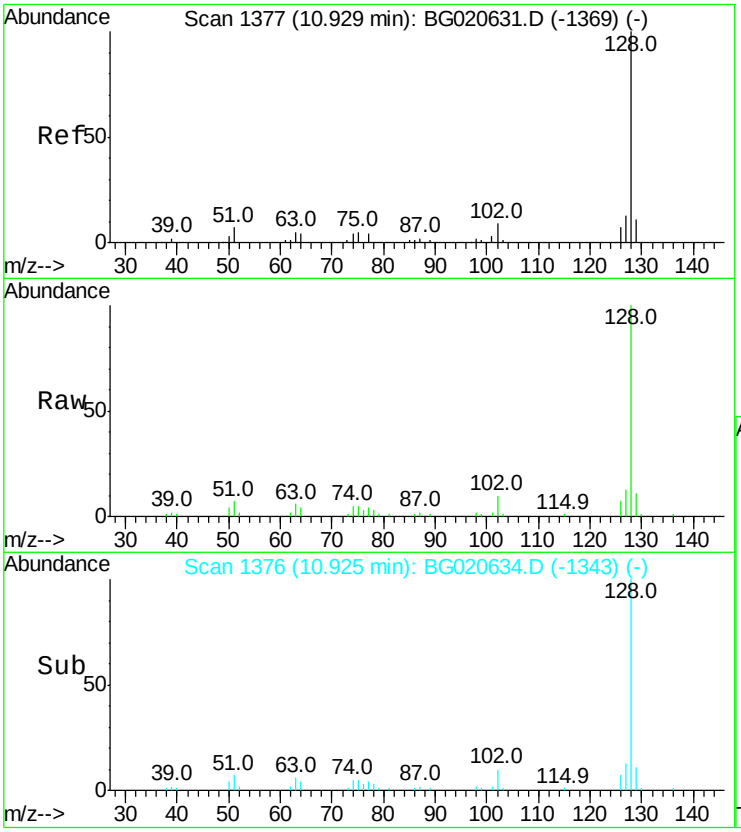
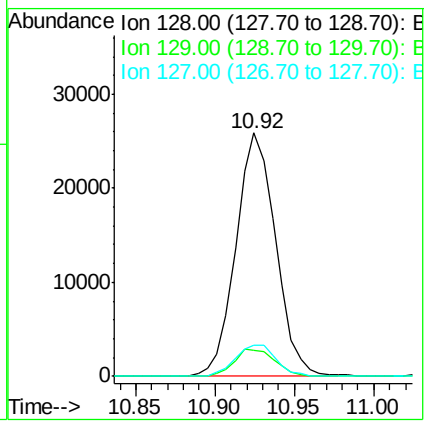




#28
Naphthalene
Concen: 6.80 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:128 Resp: 45105

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	12.6	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
G9D89DL

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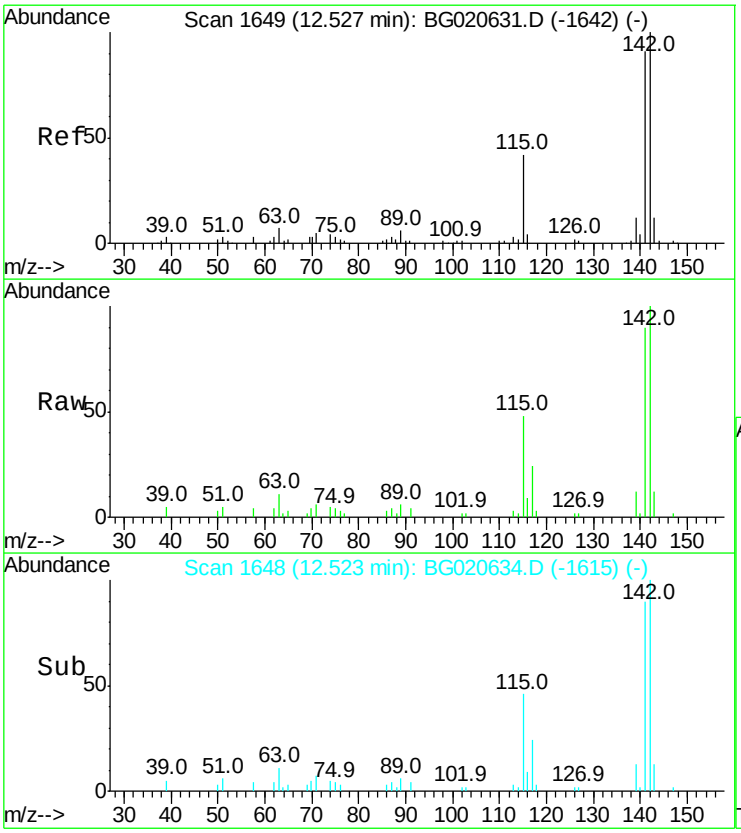
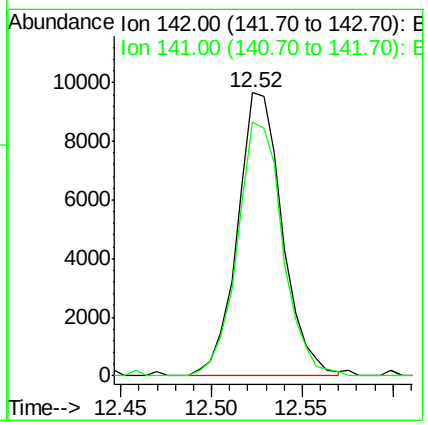
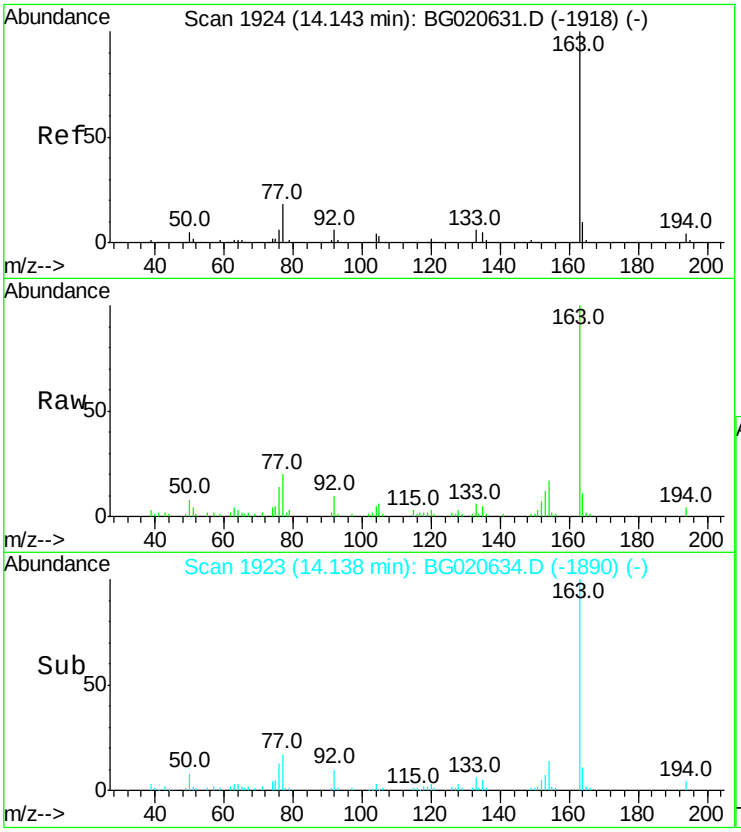


#34
2-Methylnaphthalene
Concen: 3.35 ng/ul
RT: 12.52 min Scan# 1648
Delta R.T. -0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:142 Resp: 16661

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.4	107.2

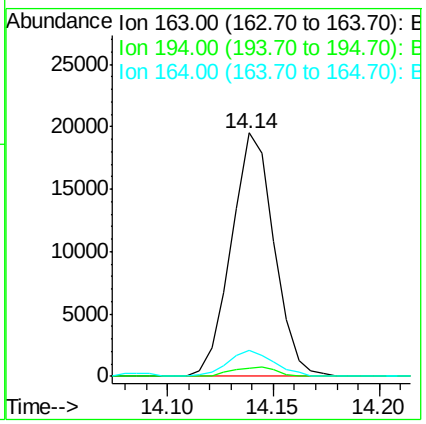




#45
Dimethylphthalate
Concen: 3.69 ng/ul
RT: 14.14 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:163 Resp: 27407

Ion	Ratio	Lower	Upper
163	100		
194	3.6	4.0	6.0#
164	10.6	8.4	12.6



Instrument :
BNA_G
ClientSampleId :
G9D89DL

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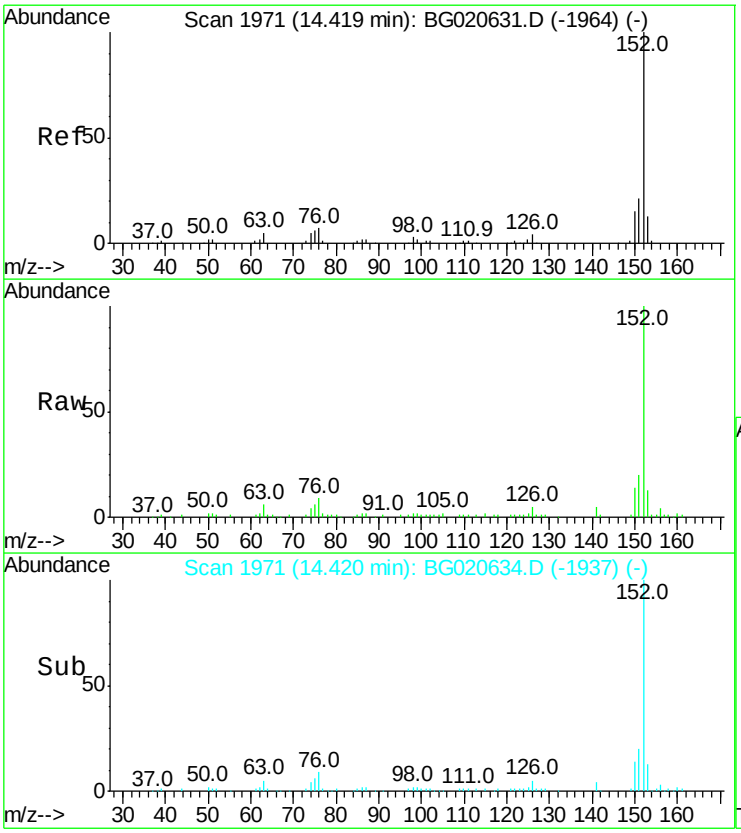
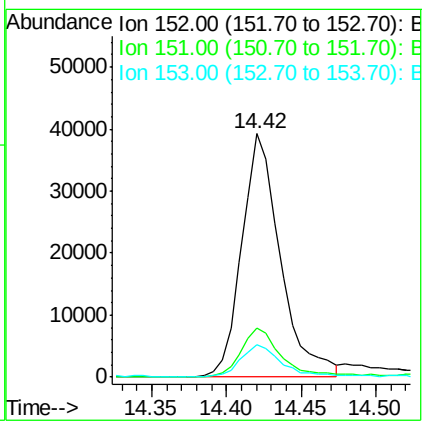
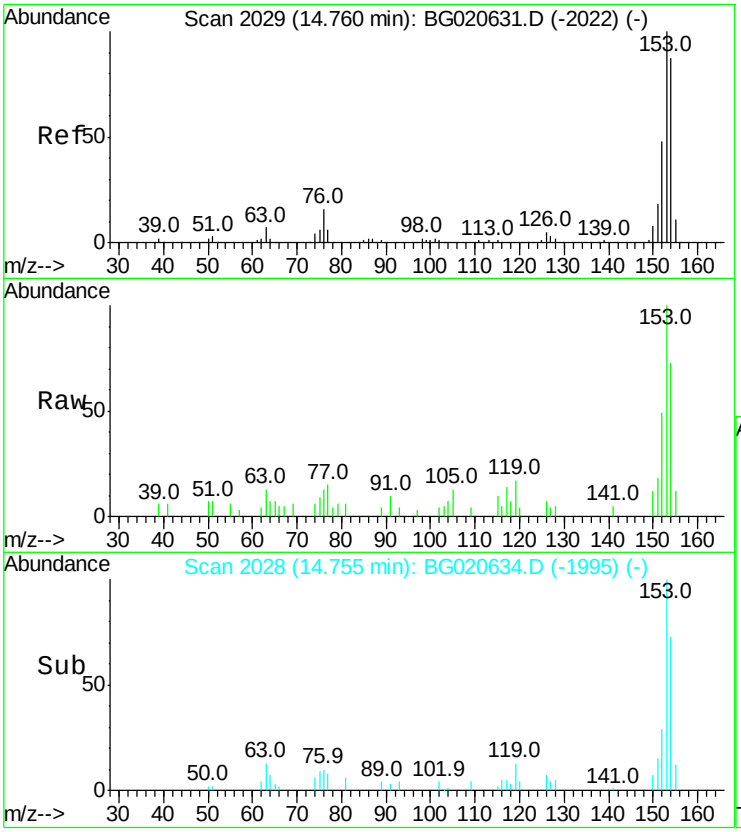


#48
Acenaphthylene
Concen: 8.00 ng/ul
RT: 14.42 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:152 Resp: 70269

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.5	10.8	16.2

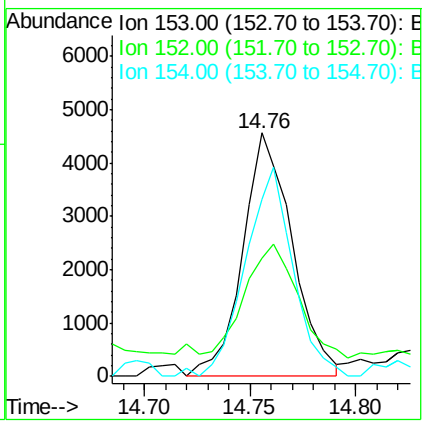




#50
Acenaphthene
Concen: 1.25 ng/ul
RT: 14.76 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:153 Resp: 7449

Ion	Ratio	Lower	Upper
153	100		
152	48.6	37.9	56.9
154	72.7	69.8	104.6



Instrument :
BNA_G
ClientSampleId :
G9D89DL

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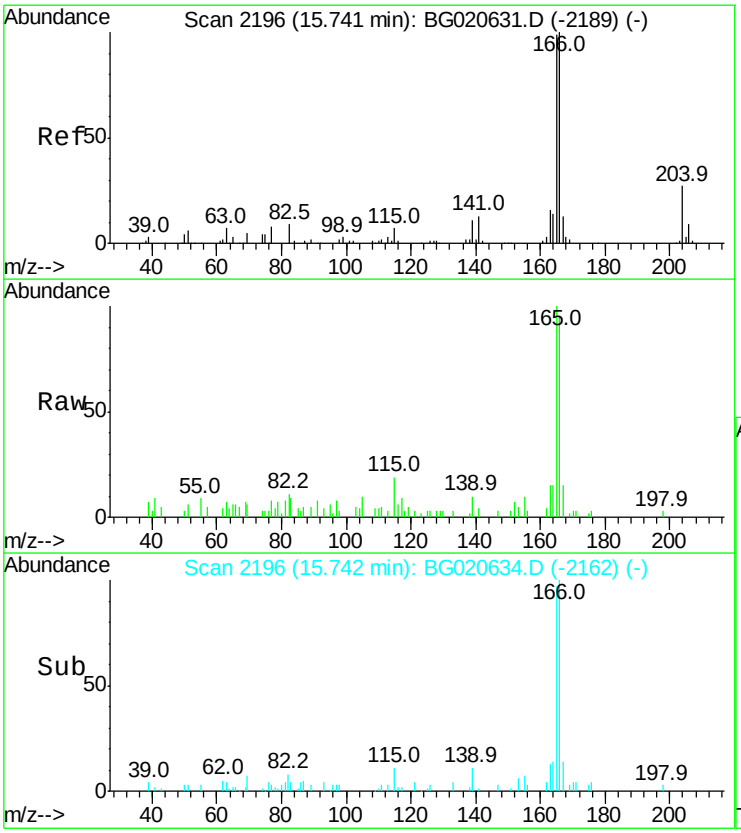
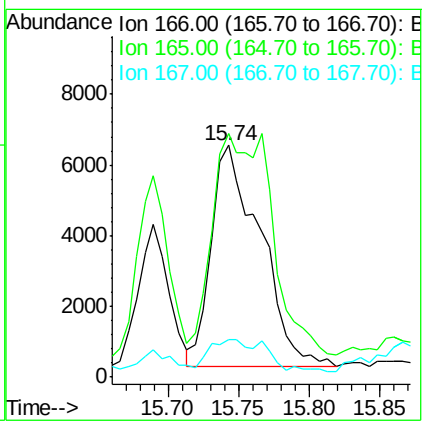
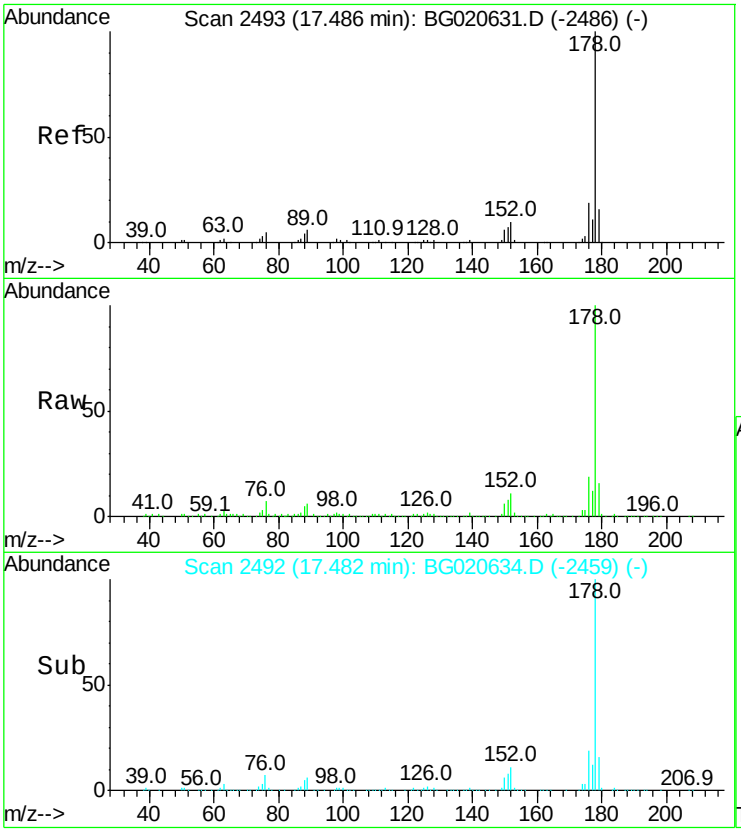


#59
Fluorene
Concen: 2.10 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:166 Resp: 15183

Ion	Ratio	Lower	Upper
166	100		
165	105.0	78.4	117.6
167	16.2	11.1	16.7

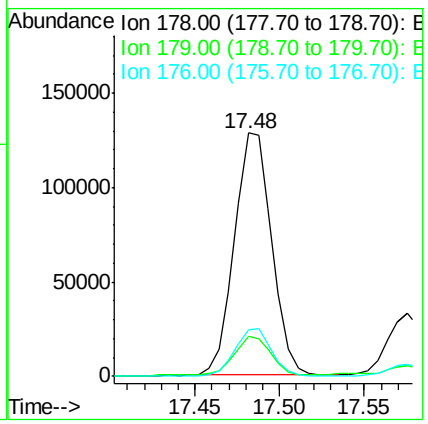




#70
Phenanthrene
Concen: 17.16 ng/ul
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:178 Resp: 197391

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	19.0	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
G9D89DL

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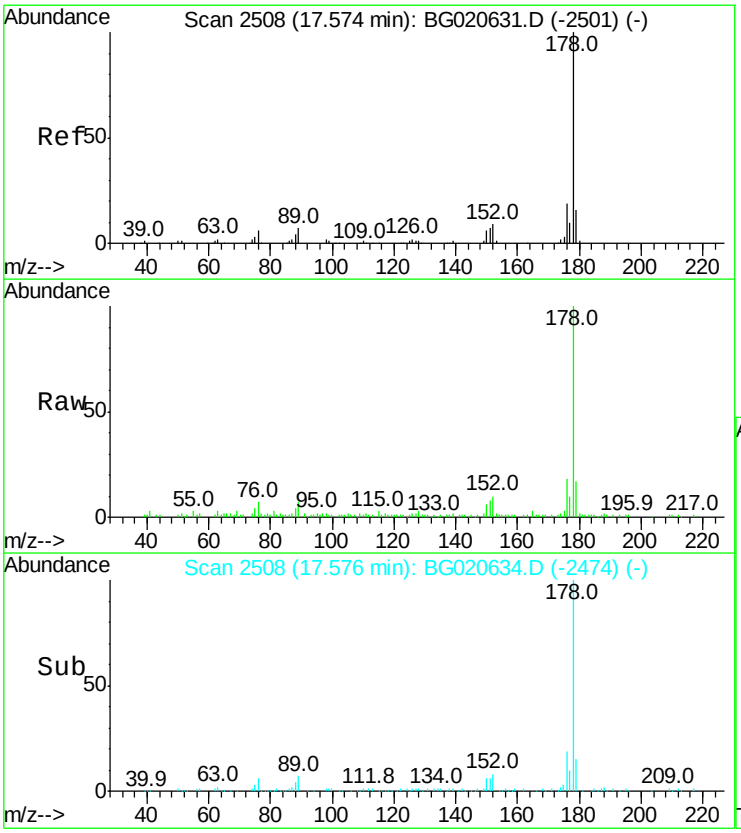
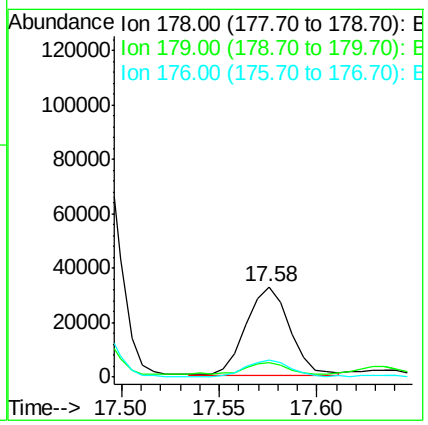
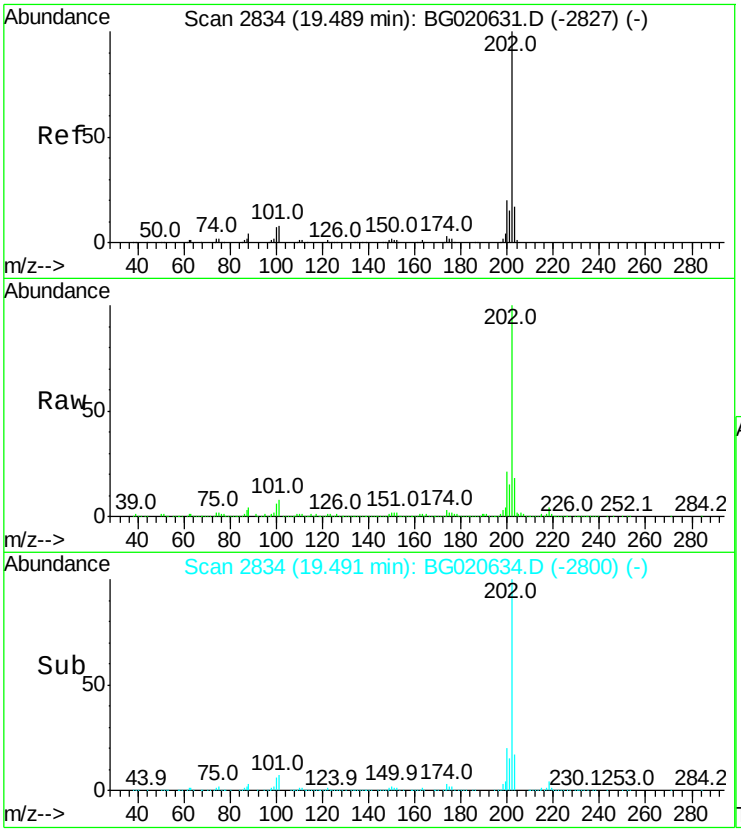


#72
Anthracene
Concen: 4.23 ng/ul
RT: 17.58 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:178 Resp: 49811

Ion	Ratio	Lower	Upper
178	100		
179	16.6	13.4	20.2
176	18.3	15.4	23.0

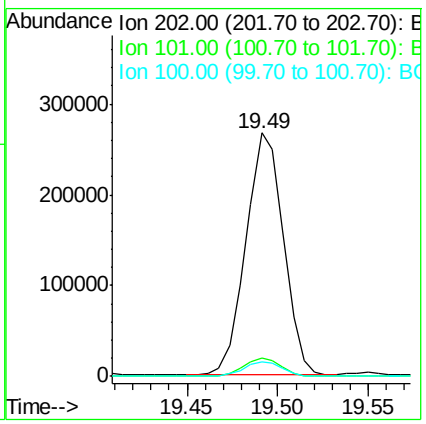




#77
Fluoranthene
Concen: 27.26 ng/ul
RT: 19.49 min Scan# 2834
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:202 Resp: 383103

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.1	9.1
100	6.1	4.6	7.0



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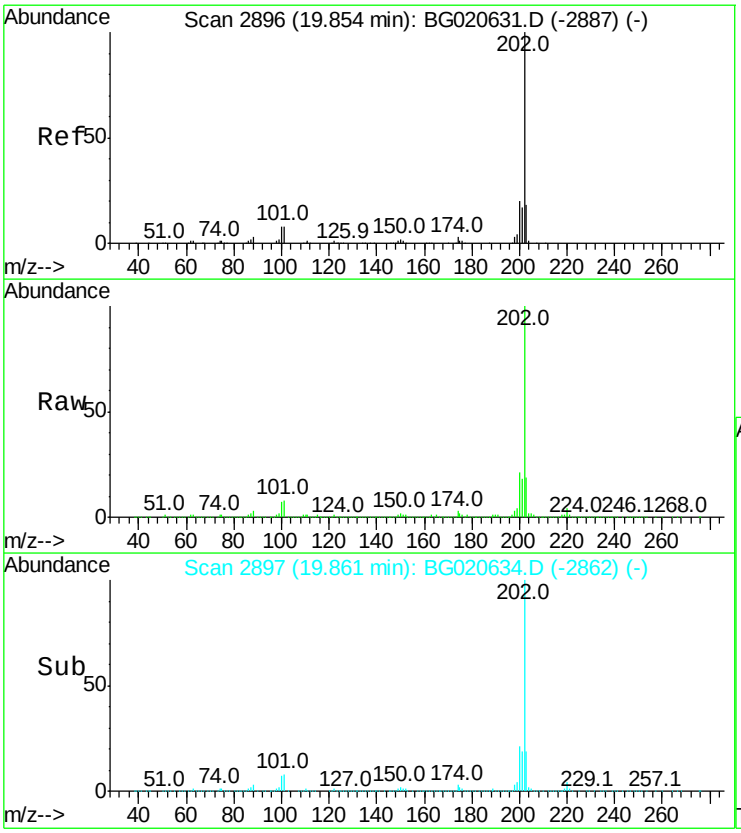
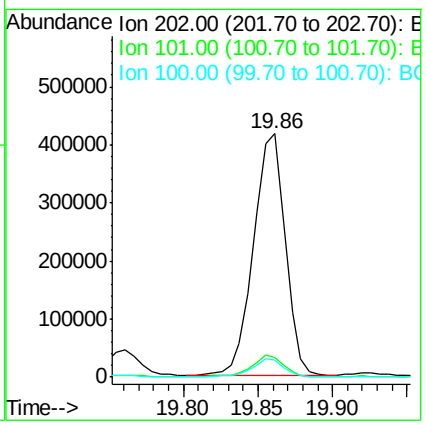
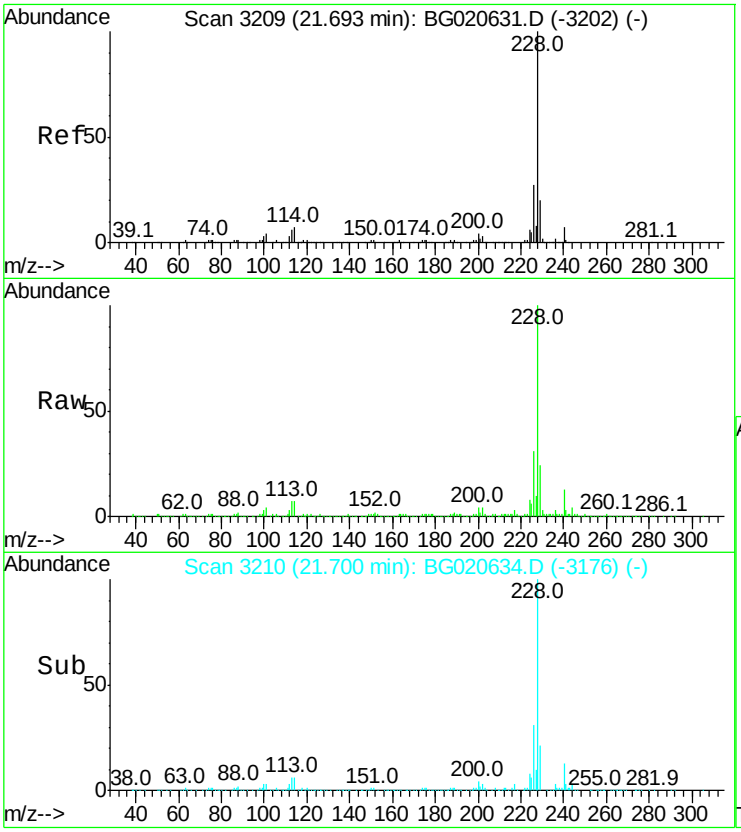


#80
Pyrene
Concen: 41.23 ng/ul
RT: 19.86 min Scan# 2897
Delta R.T. 0.01 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:202 Resp: 611499

Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.9	10.3
100	7.1	5.6	8.4

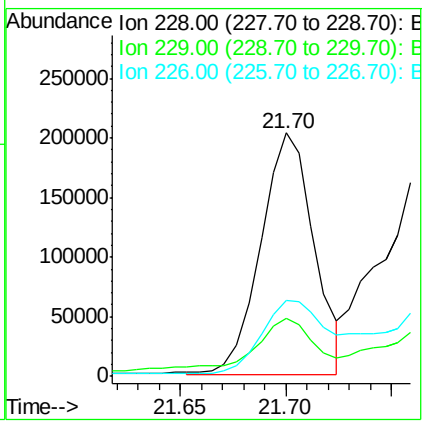




#83
Benzo(a)anthracene
Concen: 23.72 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:228 Resp: 355363

Ion	Ratio	Lower	Upper
228	100		
229	23.6	16.0	24.0
226	31.4	21.8	32.8



Instrument :
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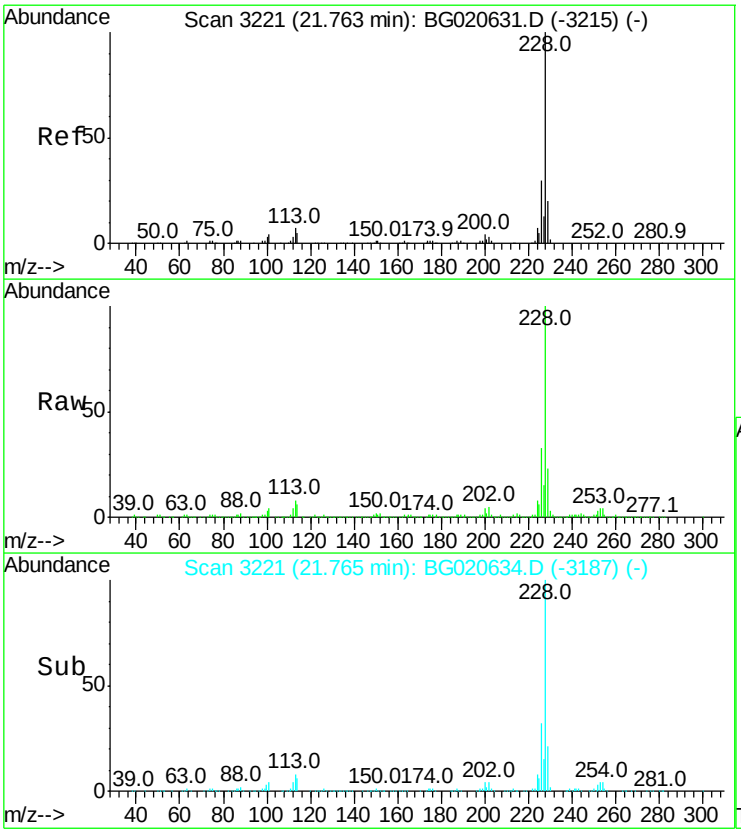
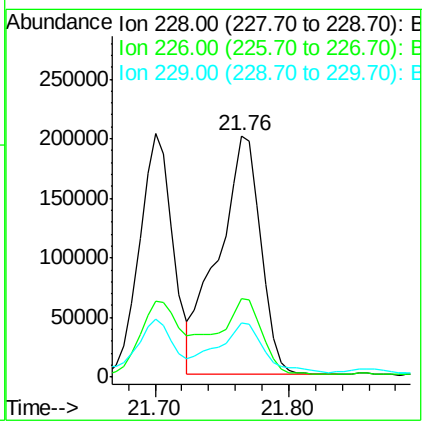
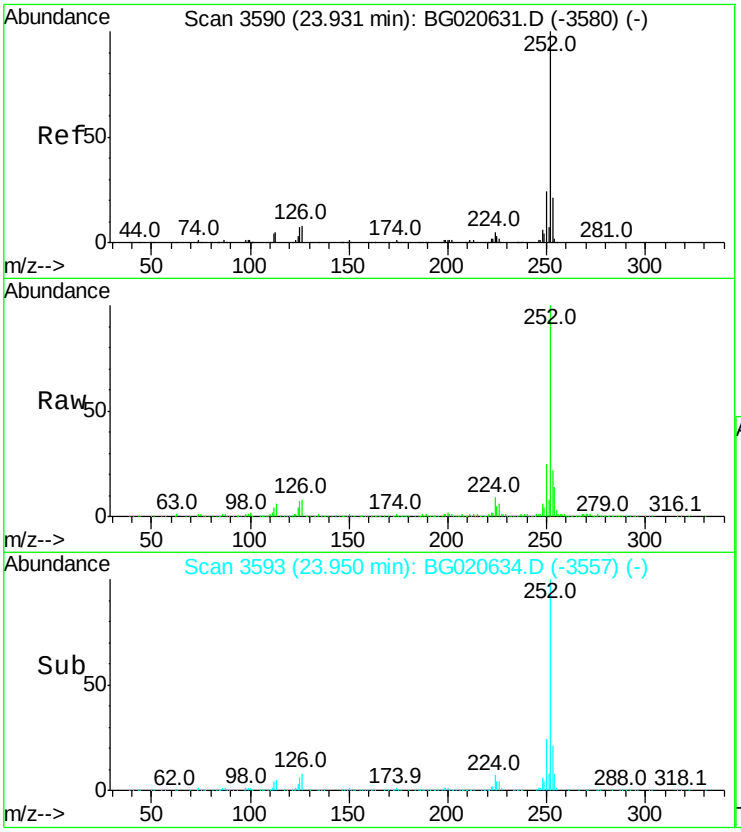


#85
Chrysene
Concen: 31.50 ng/ul
RT: 21.76 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:228 Resp: 444207

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.1	36.1
229	22.6	16.0	24.0

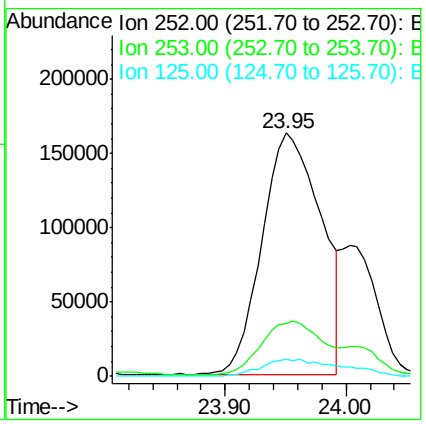




#88
Benzo(b)fluoranthene
Concen: 36.98 ng/ul
RT: 23.95 min Scan# 3593
Delta R.T. 0.01 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:252 Resp: 549656

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	6.8	4.9	7.3



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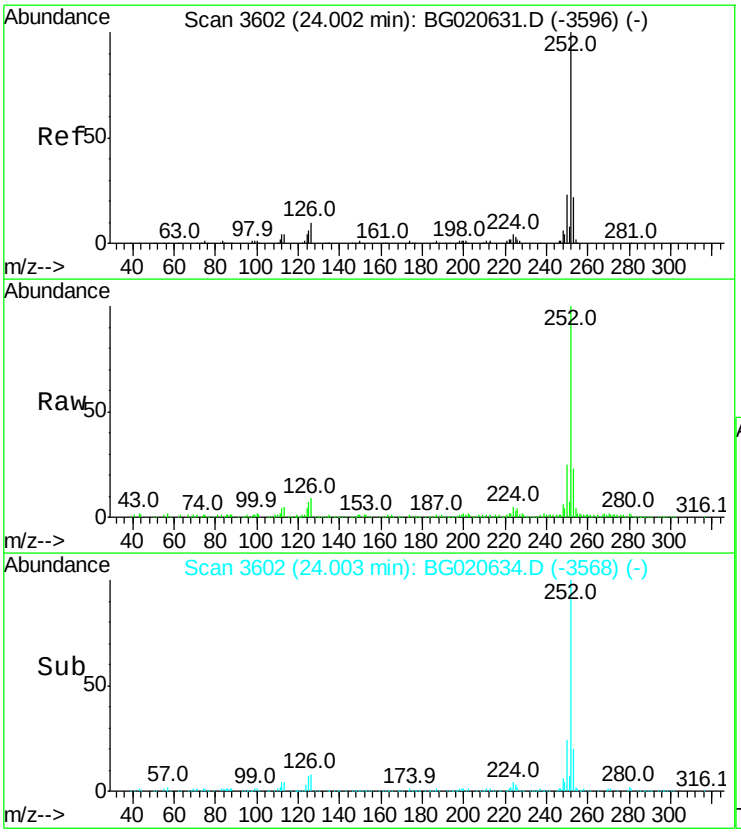
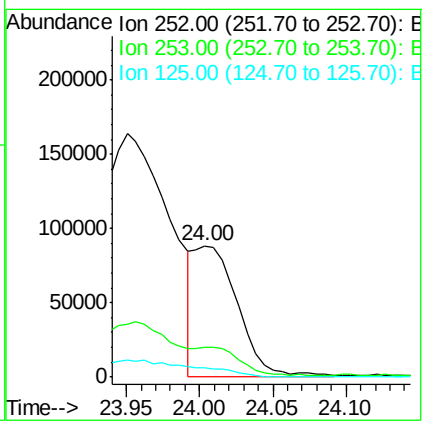
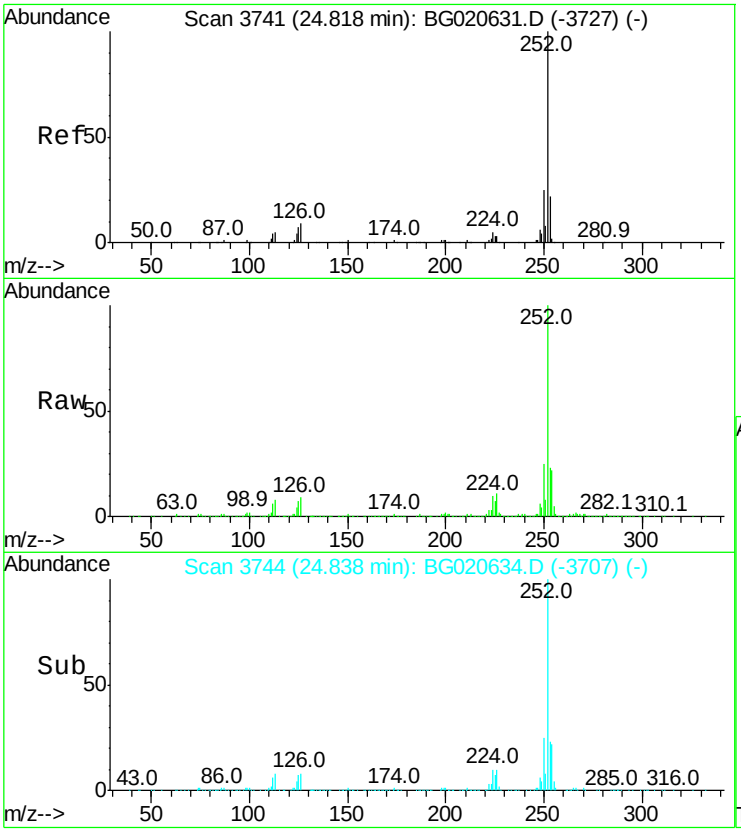


#89
Benzo(k)fluoranthene
Concen: 13.02 ng/ul m
RT: 24.00 min Scan# 3602
Delta R.T. 0.00 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:252 Resp: 185421

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	6.9	5.4	8.0

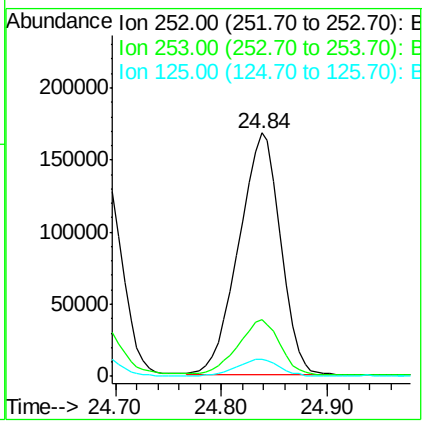




#91
Benzo(a)pyrene
Concen: 32.10 ng/ul
RT: 24.84 min Scan# 3744
Delta R.T. 0.02 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:252 Resp: 458494

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	6.9	5.8	8.6



Instrument :
BNA_G
ClientSampleId :
G9D89DL

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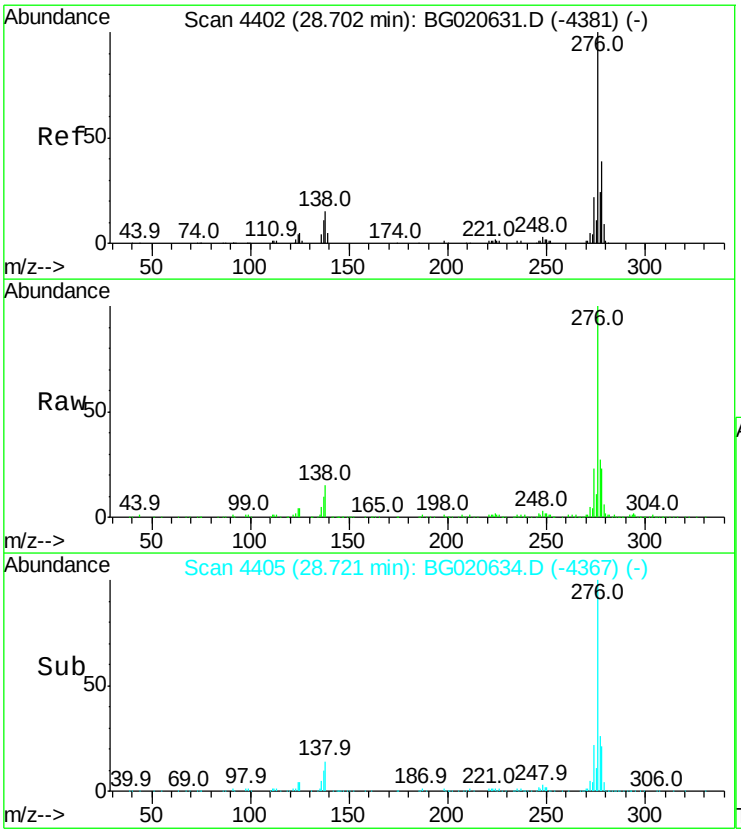
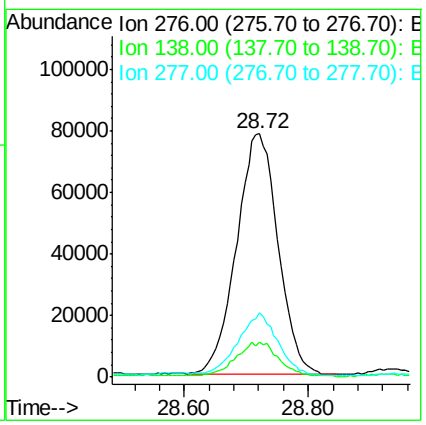
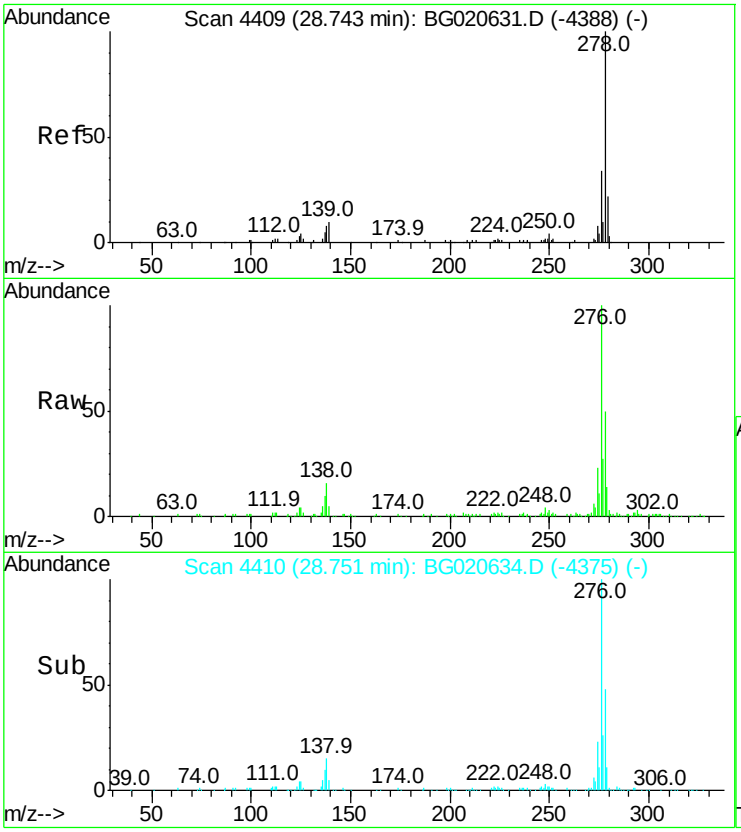


#92
Indeno(1,2,3-cd)pyrene
Concen: 21.45 ng/ul
RT: 28.72 min Scan# 4405
Delta R.T. 0.03 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:276 Resp: 365466

Ion	Ratio	Lower	Upper
276	100		
138	14.6	10.9	16.3
277	26.6	18.9	28.3





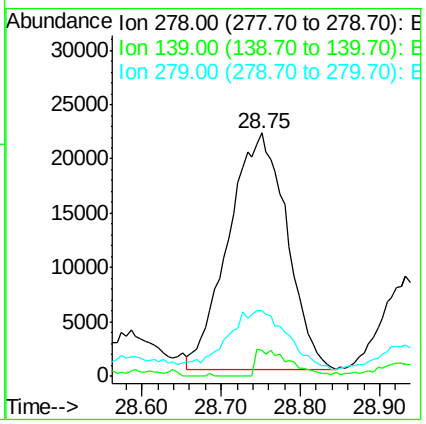
#93
Dibenzo(a,h)anthracene
Concen: 7.81 ng/ul
RT: 28.75 min Scan# 4410
Delta R.T. 0.01 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

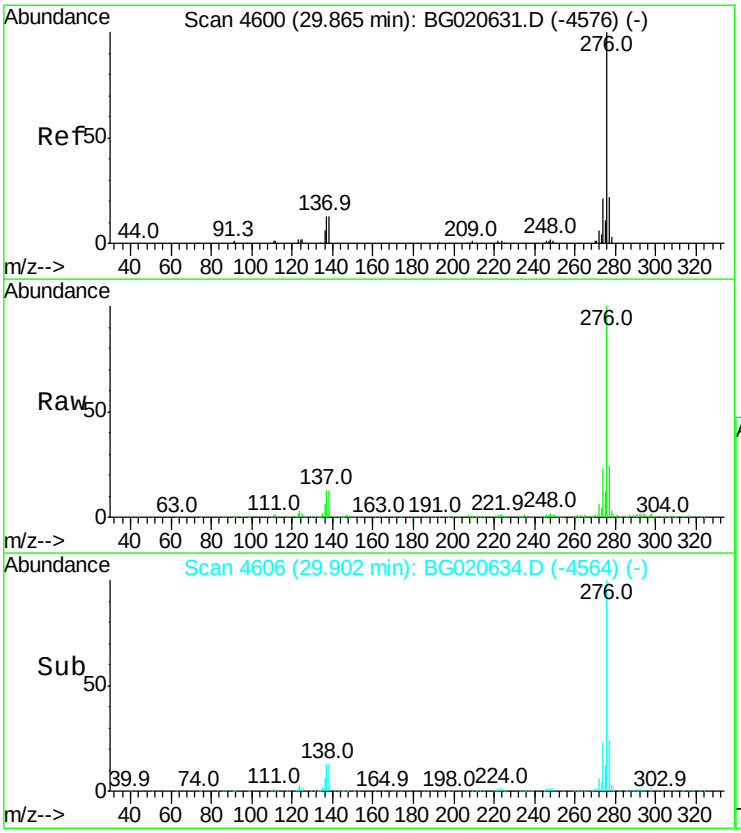
Tgt Ion:278 Resp: 110988

Ion	Ratio	Lower	Upper
278	100		
139	10.5	9.0	13.4
279	27.1	19.1	28.7

Instrument :
BNA_G
ClientSampleId :
G9D89DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:38:01 PM





#94
Benzo(g,h,i)perylene
Concen: 31.79 ng/ul
RT: 29.90 min Scan# 4606
Delta R.T. 0.05 min
Lab File: BG020634.D
Acq: 31 Dec 2015 10:04

Tgt Ion:276 Resp: 445057

Ion	Ratio	Lower	Upper
276	100		
138	13.2	11.2	16.8
277	23.9	19.0	28.6