Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

Manual Integrations APPROVED
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Quant Time: Dec 22 10:48:27 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	23373	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	92905	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.75	164	82860	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.56	188	123683	20.00	ng/ul	0.09
78) Chrysene-d12	21.80	240	172591	20.00	ng/ul	0.06
86) Perylene-d12	25.07	264	160233	20.00	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1222	2.89	ng/uL	0.00
5) Phenol-d5	7.26	99	36276	17.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	22754	18.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	29287	19.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	32212	18.28	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	16765	23.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	19064	23.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	35047	21.47	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.15	166	117030	17.46	ng/ul	0.03
47) Acenaphthylene-d8	14.43	160	135511	17.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	17948	14.93	ng/ul	0.04
58) Fluorene-d10	15.73	176	106471	17.51	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.69	188	135340	23.75	ng/ul	0.12
79) Pyrene-d10	19.91	212	185951m	23.12	ng/ul	0.06
90) Benzo(a)pyrene-d12	24.85	264	204387	25.57	ng/ul	0.06
Target Compounds						Qvalue
28) Naphthalene	11.03	128	7538734	1553.85	ng/ul#	48
34) 2-Methylnaphthalene	12.61	142	4321994	1166.25	ng/ul	97
41) 1,1'-Biphenyl	13.58	154	2241502	358.57	ng/ul#	87
45) Dimethylphthalate	14.20	163	43774	6.39	ng/ul	97
48) Acenaphthylene	14.47	152	753941	91.01	ng/ul#	92
50) Acenaphthene	14.87	153	7517072m	1348.60	ng/ul	
54) Dibenzofuran	15.19	168	6263933	755.44	ng/ul#	50
59) Fluorene	15.85	166	6670069	1001.73	ng/ul#	96
70) Phenanthrene	17.63	178	16150095m	2387.21	ng/ul	
72) Anthracene	17.72	178	3337718	486.43	ng/ul#	37
75) Carbazole	17.93	167	2764776	479.53	ng/ul#	80
77) Fluoranthene	19.62	202	12100057m	1530.37	ng/ul	
80) Pyrene	19.99	202	9663269m	925.08	ng/ul	
83) Benzo(a)anthracene	21.79	228	4746366	471.31	ng/ul#	61
85) Chrysene	21.87	228	4125924	435.02	ng/ul#	59
88) Benzo(b)fluoranthene	24.06	252	3086877	320.08	ng/ul#	92
89) Benzo(k)fluoranthene	24.11	252	1154556m	124.75	ng/ul	
91) Benzo(a)pyrene	24.95	252	1846795	202.01	ng/ul	94
92) Indeno(1,2,3-cd)pyrene	28.82	276	524778	48.20	ng/ul	93
93) Dibenzo(a,h)anthracene	28.85	278	145651	16.12	ng/ul	94
94) Benzo(g,h,i)perylene	30.00	276	397703	44.56	ng/ul	98

Quantitation Report (QT/LSC Reviewed)

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Sample : G4848-17
Misc :
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Quant Time: Dec 22 10:48:27 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
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Manual Integrations APPROVED
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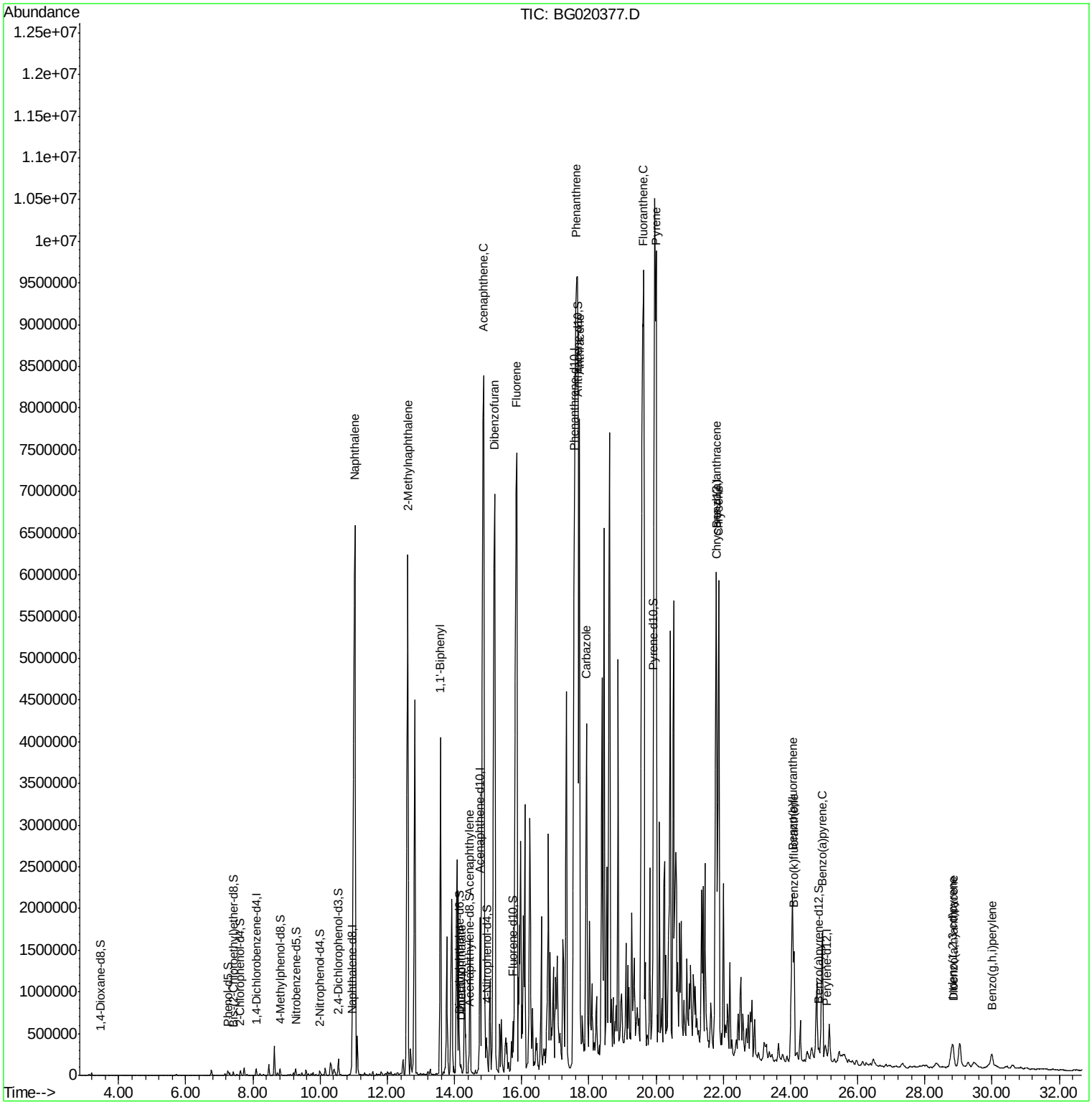
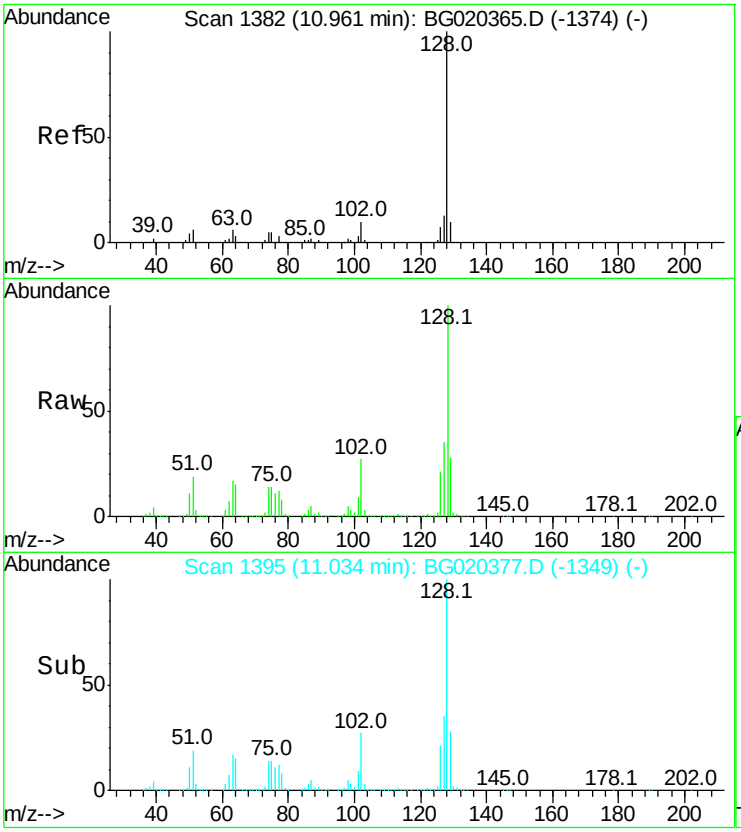
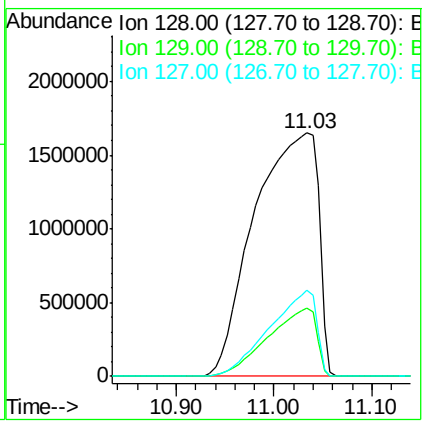




#28
Naphthalene
Concen: 1553.85 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.07 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:128 Resp: 7538734

Ion	Ratio	Lower	Upper
128	100		
129	28.0	8.6	12.8#
127	35.2	10.1	15.1#



Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations APPROVED
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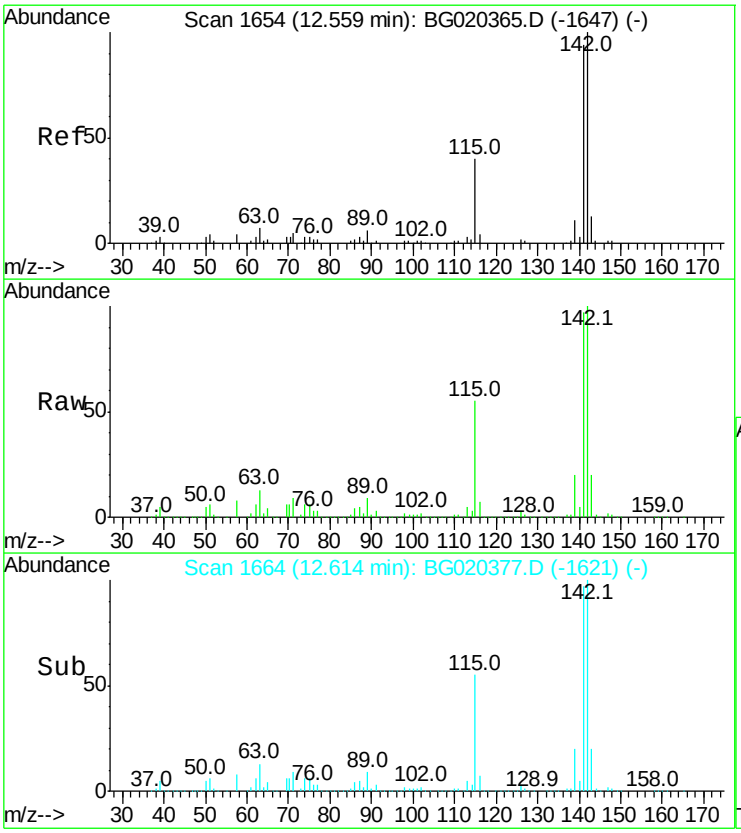
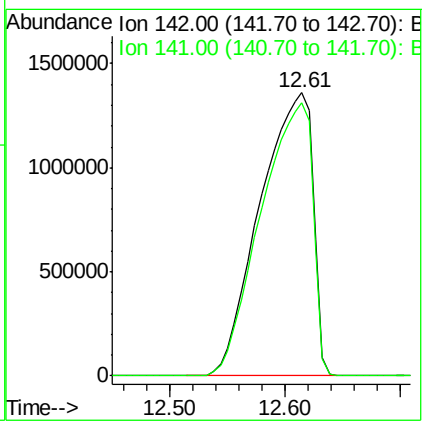
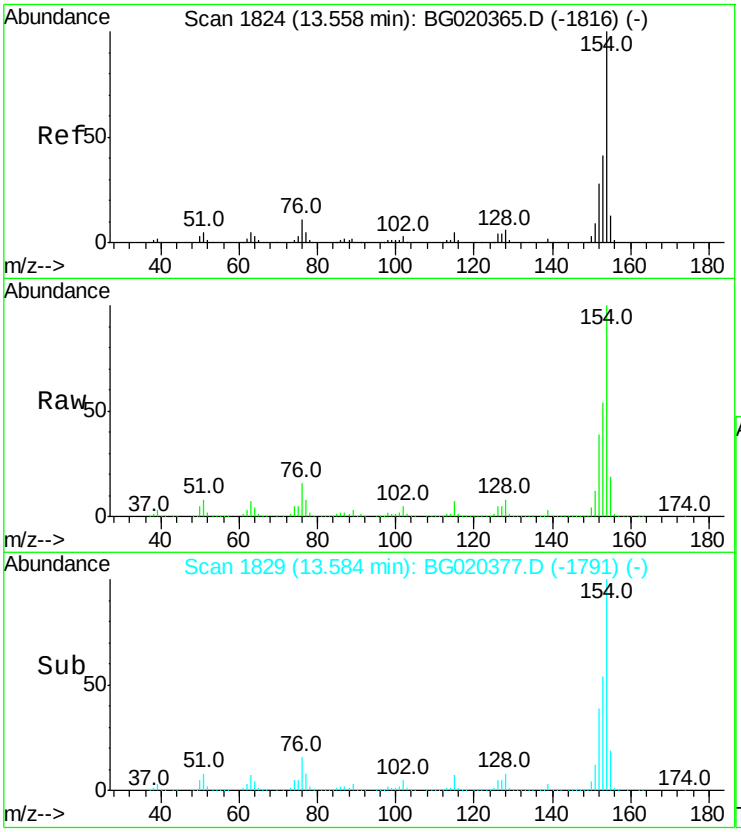


#34
2-Methylnaphthalene
Concen: 1166.25 ng/ul
RT: 12.61 min Scan# 1664
Delta R.T. 0.06 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:142 Resp: 4321994

Ion	Ratio	Lower	Upper
142	100		
141	96.5	74.9	112.3

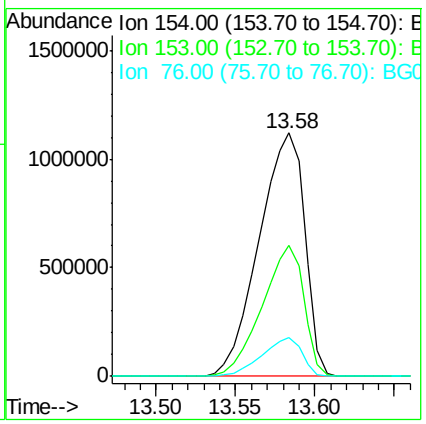




#41
1,1'-Biphenyl
Concen: 358.57 ng/ul
RT: 13.58 min Scan# 1829
Delta R.T. 0.03 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:154 Resp: 2241502

Ion	Ratio	Lower	Upper
154	100		
153	53.7	35.5	53.3#
76	16.1	10.4	15.6#



Instrument :
BNA_G
ClientSampleId :
D9N63

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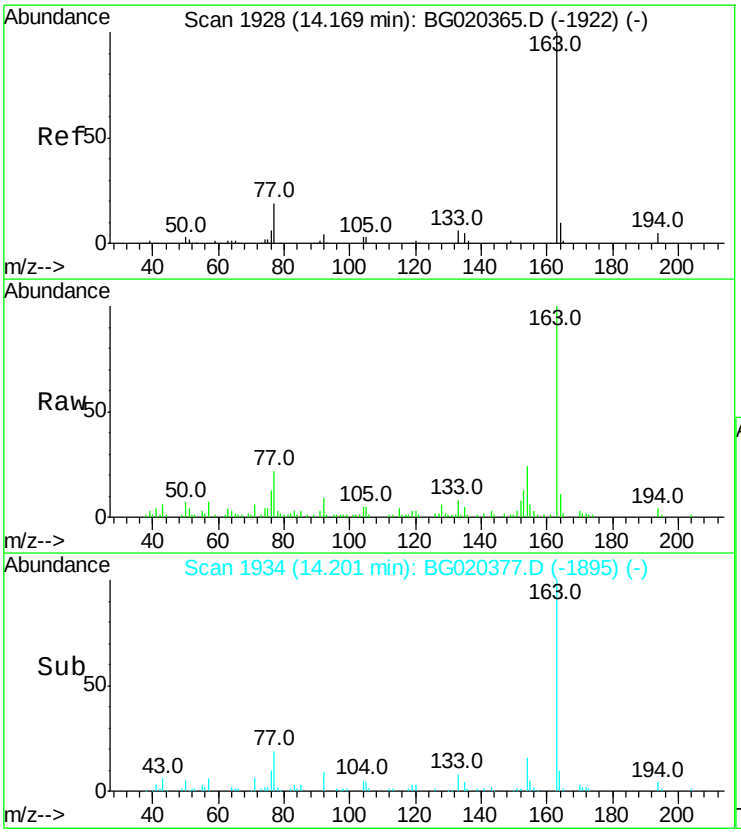
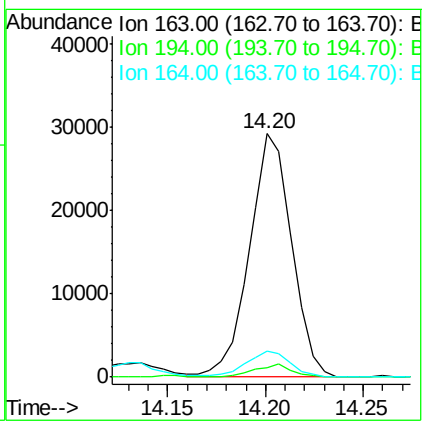
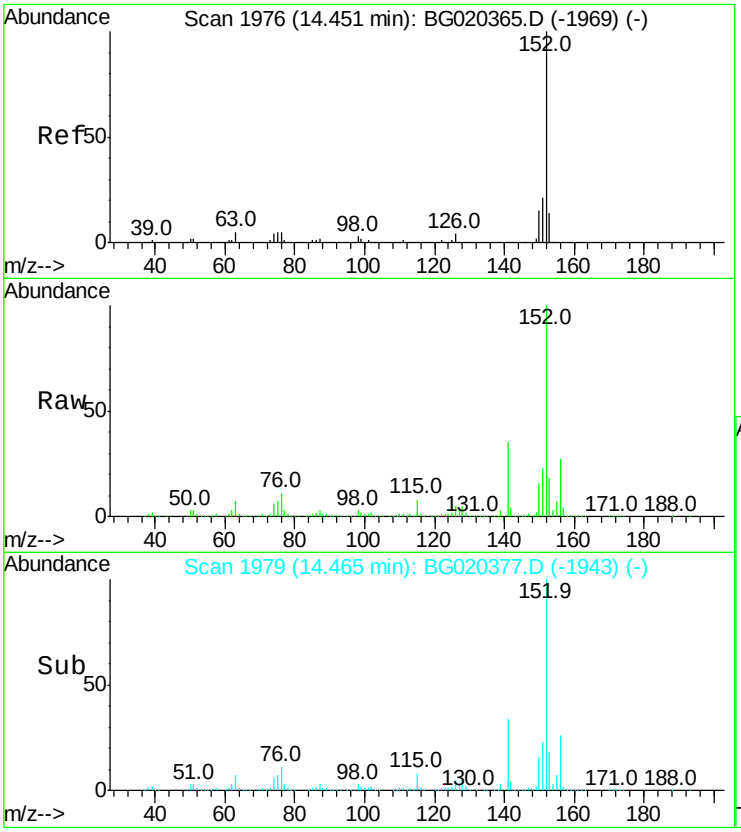


#45
Dimethylphthalate
Concen: 6.39 ng/ul
RT: 14.20 min Scan# 1934
Delta R.T. 0.03 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:163 Resp: 43774

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	10.9	7.7	11.5

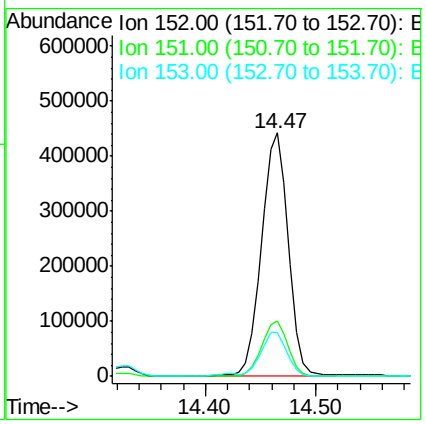




#48
Acenaphthylene
Concen: 91.01 ng/ul
RT: 14.47 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:152 Resp: 753941

Ion	Ratio	Lower	Upper
152	100		
151	22.7	16.4	24.6
153	17.9	10.4	15.6#



Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations APPROVED
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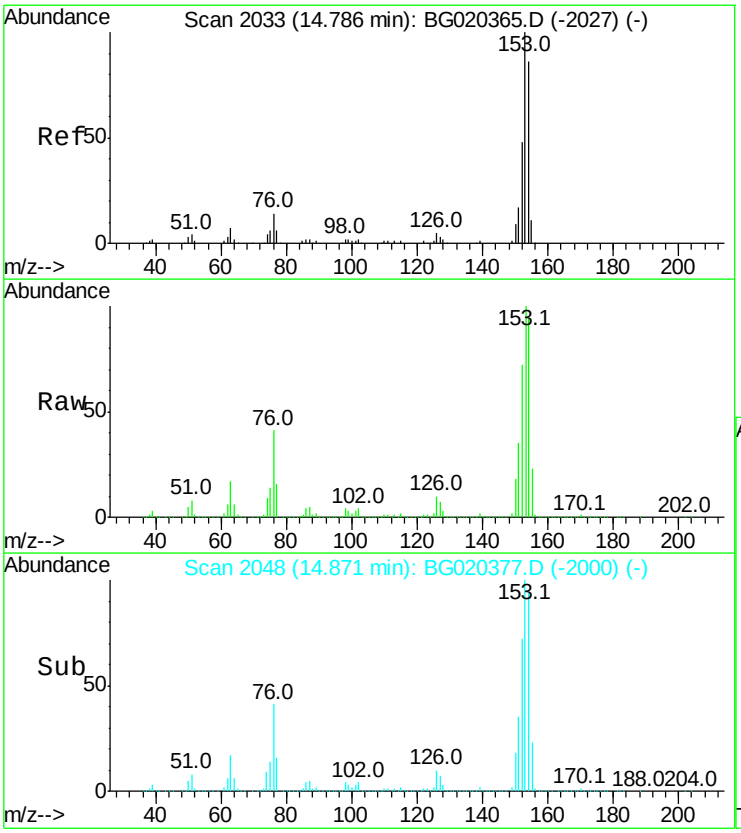
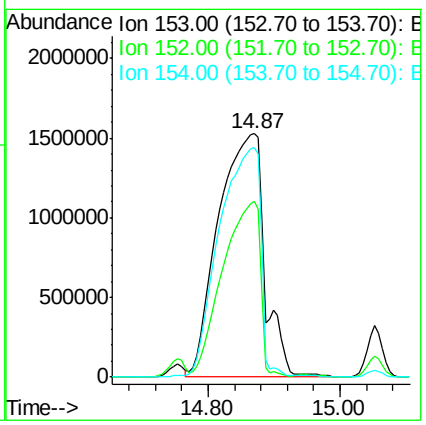
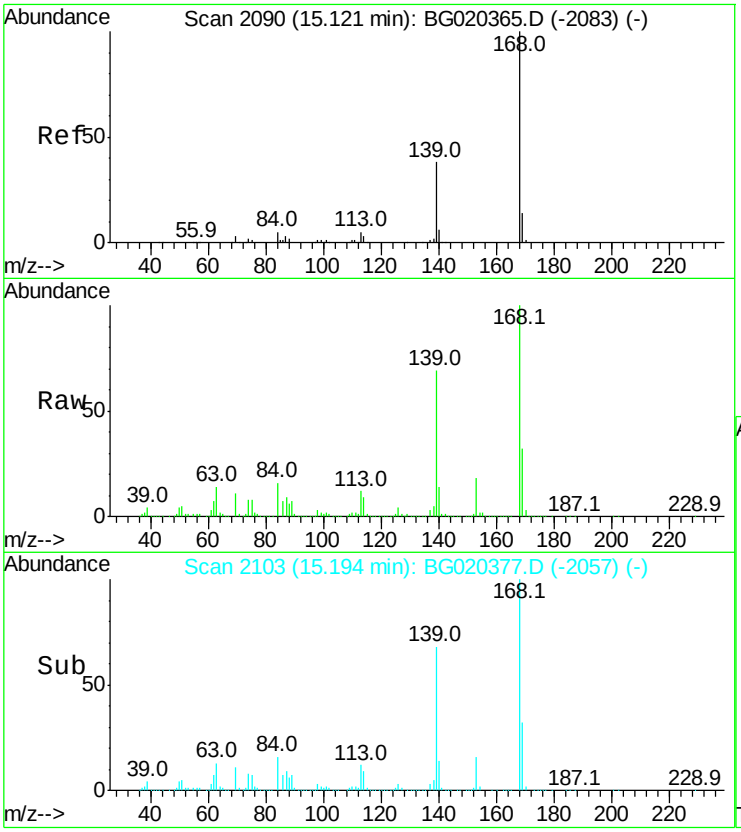


#50
Acenaphthene
Concen: 1348.60 ng/ul m
RT: 14.87 min Scan# 2048
Delta R.T. 0.08 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:153 Resp: 7517072

Ion	Ratio	Lower	Upper
153	100		
152	72.2	37.6	56.4#
154	94.1	67.9	101.9





#54
Dibenzofuran
Concen: 755.44 ng/ul
RT: 15.19 min Scan# 2103
Delta R.T. 0.07 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:168 Resp: 6263933

Ion	Ratio	Lower	Upper
168	100		
139	68.5	30.5	45.7#

Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations APPROVED
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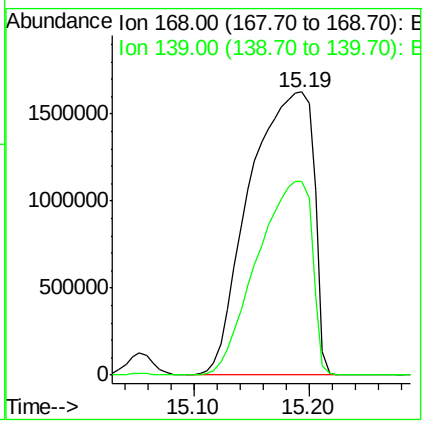
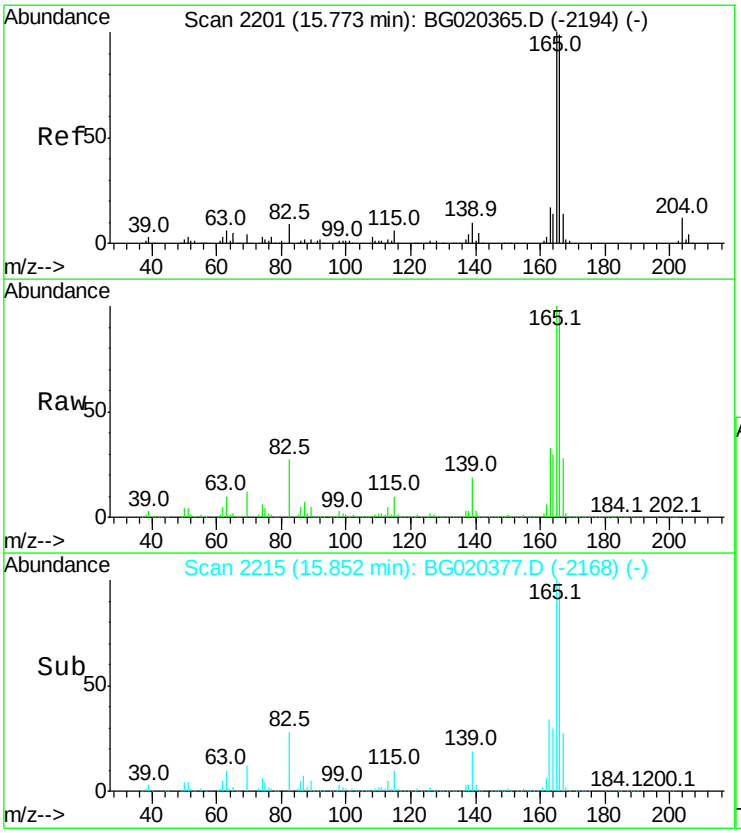
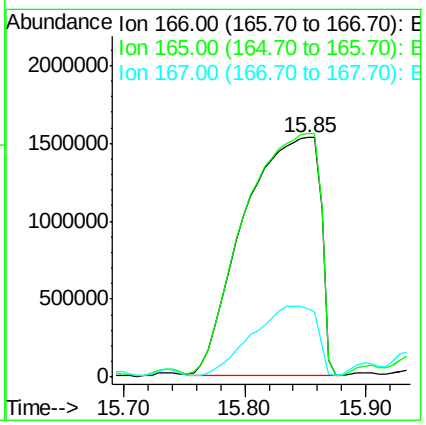


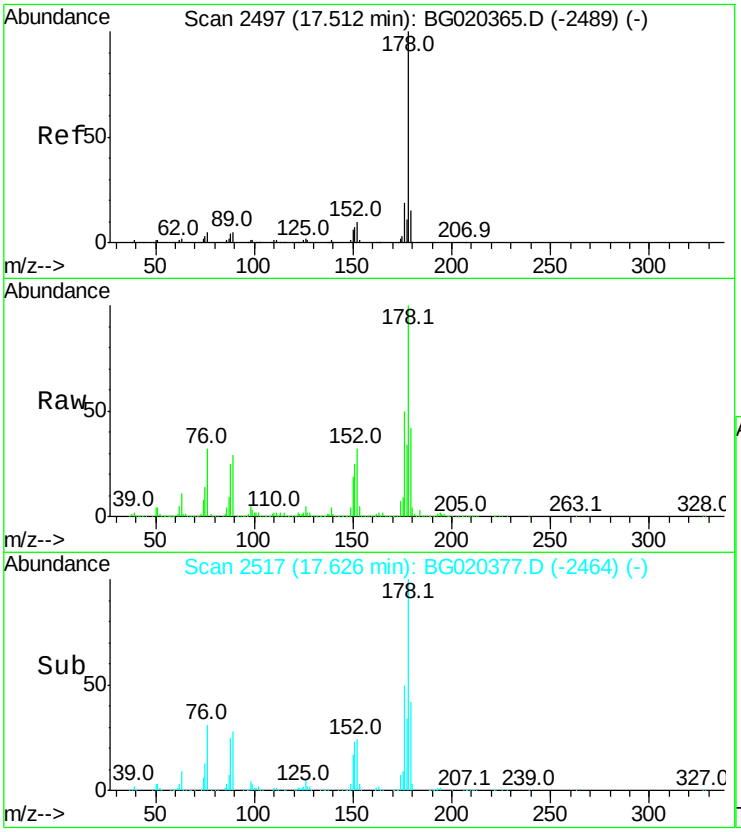


#59
Fluorene
Concen: 1001.73 ng/ul
RT: 15.85 min Scan# 2215
Delta R.T. 0.08 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:166 Resp: 6670069

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.4	122.0
167	28.5	11.2	16.8#





#70
Phenanthrene
Concen: 2387.21 ng/ul m
RT: 17.63 min Scan# 2517
Delta R.T. 0.11 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:178 Resp:16150095

Ion	Ratio	Lower	Upper
178	100		
179	42.1	12.9	19.3#
176	50.0	15.3	22.9#

Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations APPROVED
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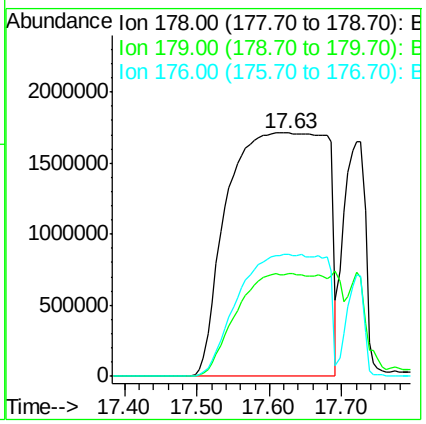
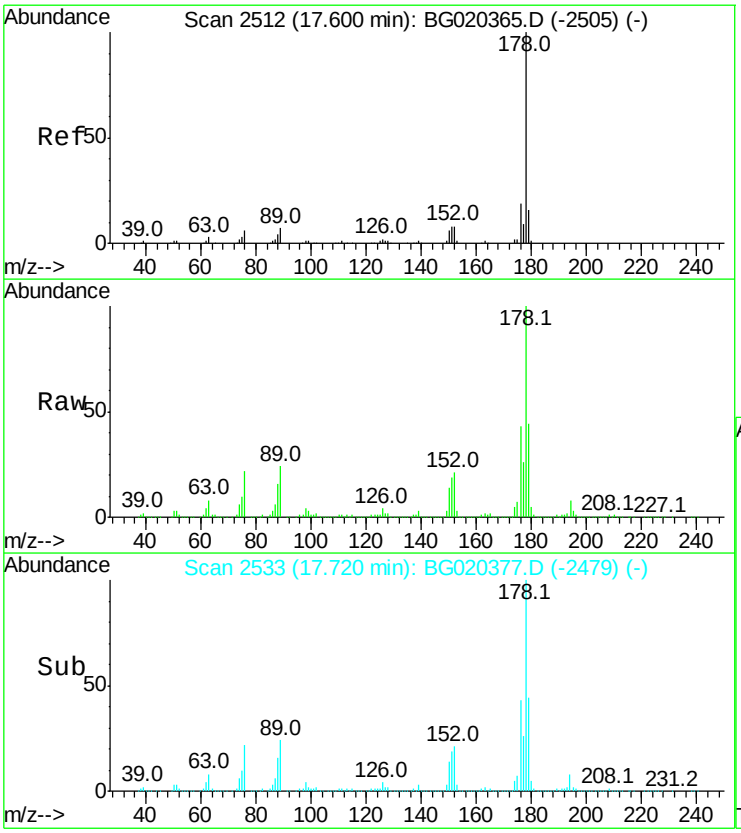
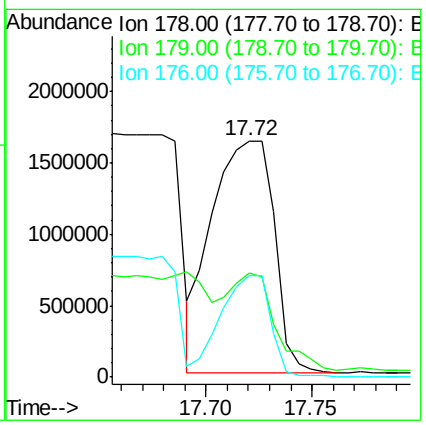


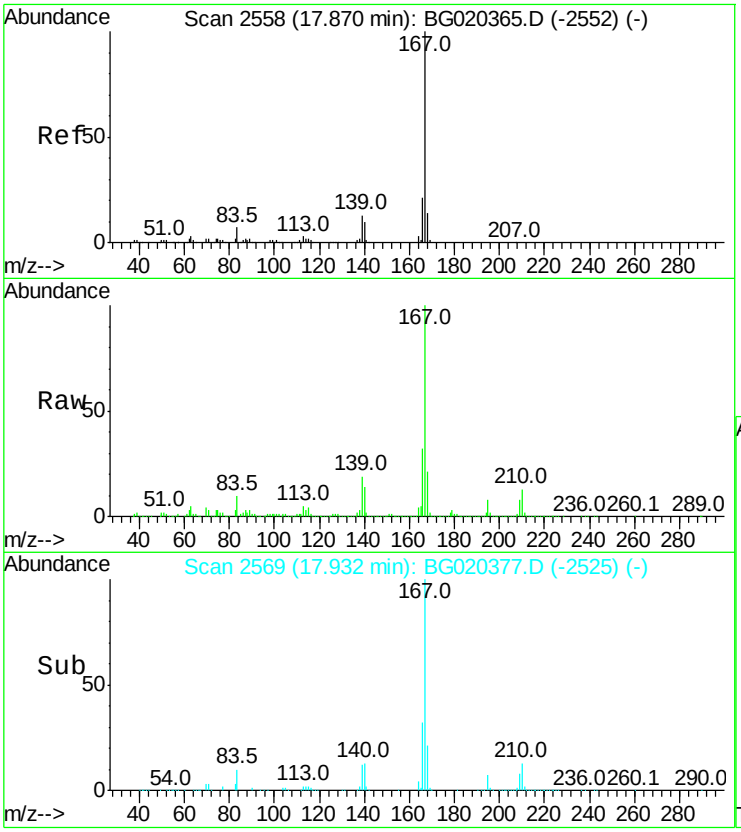


#72
Anthracene
Concen: 486.43 ng/ul
RT: 17.72 min Scan# 2533
Delta R.T. 0.12 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:178 Resp: 3337718

Ion	Ratio	Lower	Upper
178	100		
179	44.3	12.3	18.5#
176	43.2	14.3	21.5#

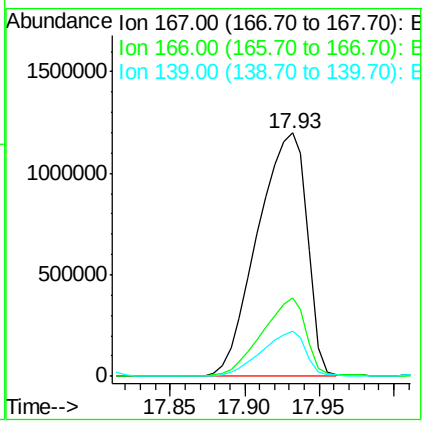




#75
Carbazole
Concen: 479.53 ng/ul
RT: 17.93 min Scan# 2569
Delta R.T. 0.06 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:167 Resp: 2764776

Ion	Ratio	Lower	Upper
167	100		
166	32.2	17.0	25.6#
139	18.8	10.1	15.1#



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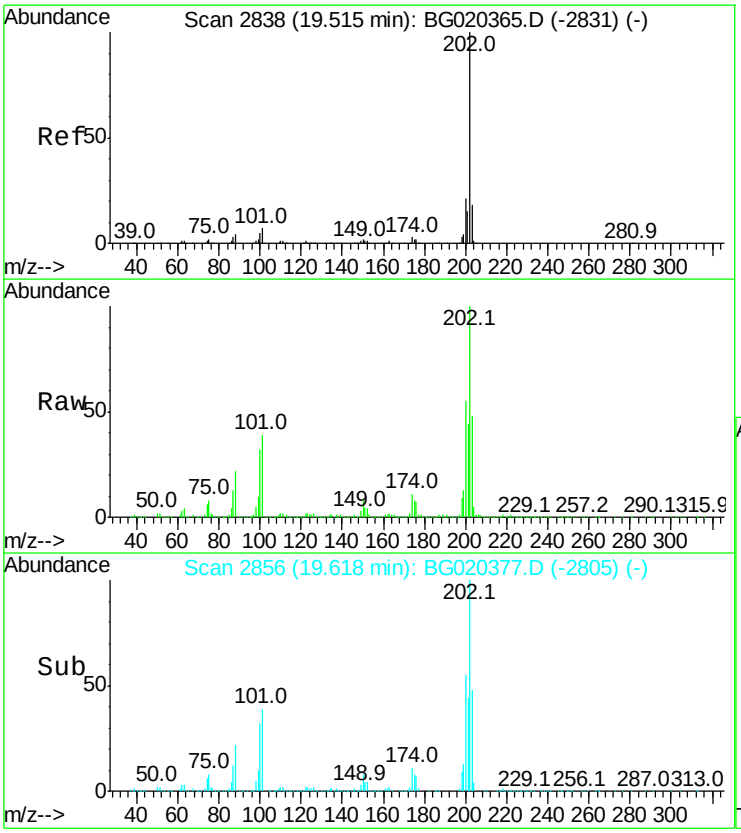
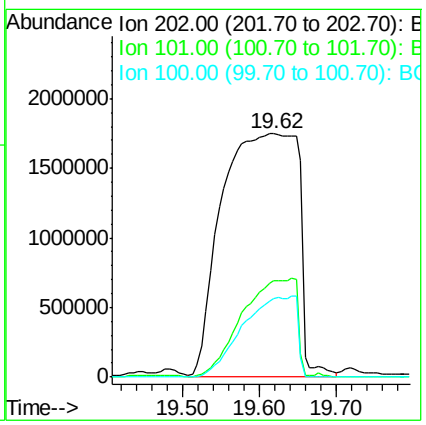
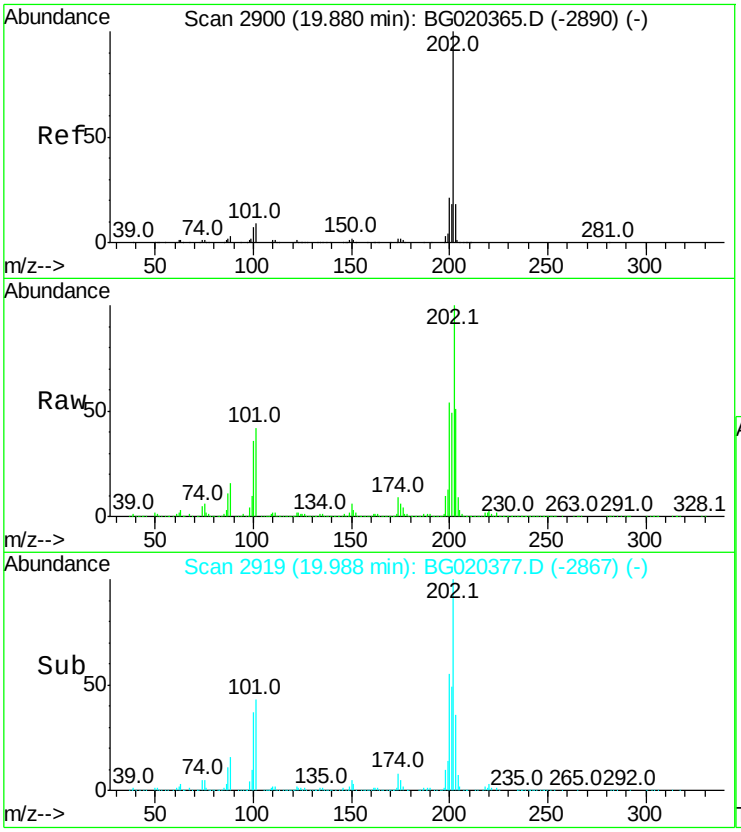


#77
Fluoranthene
Concen: 1530.37 ng/ul m
RT: 19.62 min Scan# 2856
Delta R.T. 0.10 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:202 Resp:12100057

Ion	Ratio	Lower	Upper
202	100		
101	39.5	6.2	9.4#
100	32.2	5.1	7.7#

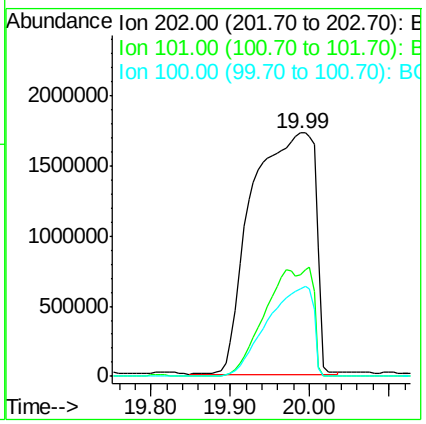




#80
Pyrene
Concen: 925.08 ng/ul m
RT: 19.99 min Scan# 2919
Delta R.T. 0.11 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:202 Resp: 9663269

Ion	Ratio	Lower	Upper
202	100		
101	41.7	7.0	10.4#
100	35.9	6.4	9.6#



Instrument :
BNA_G
ClientSampleId :
D9N63

Manual Integrations APPROVED
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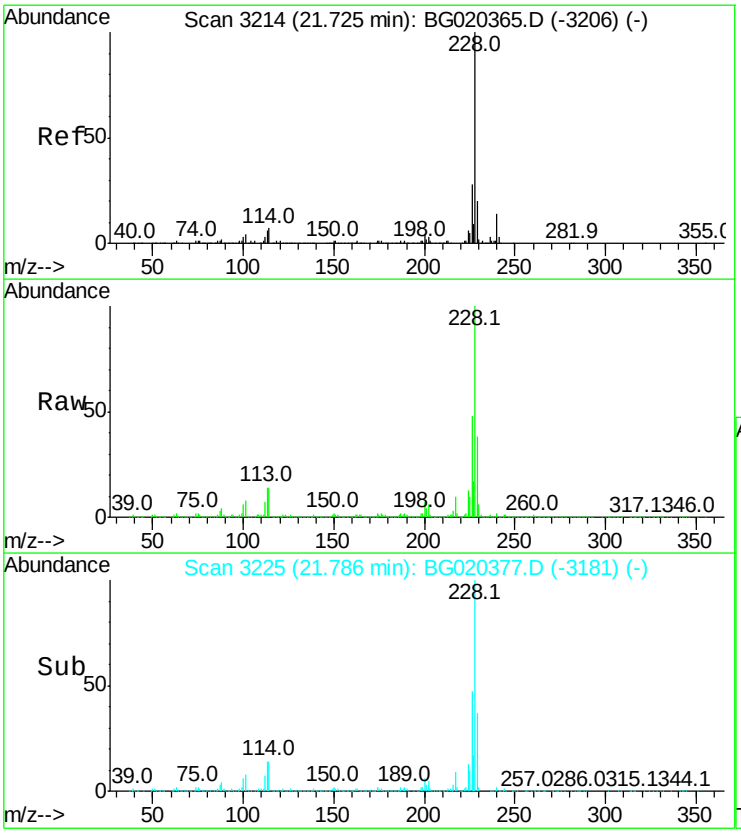
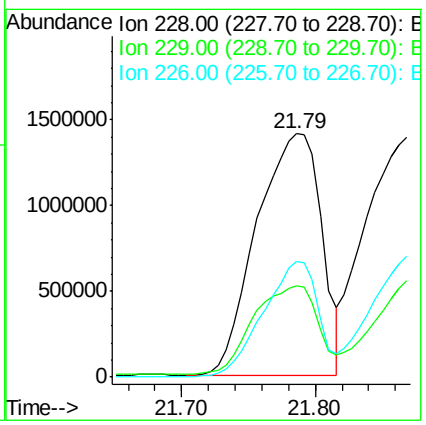
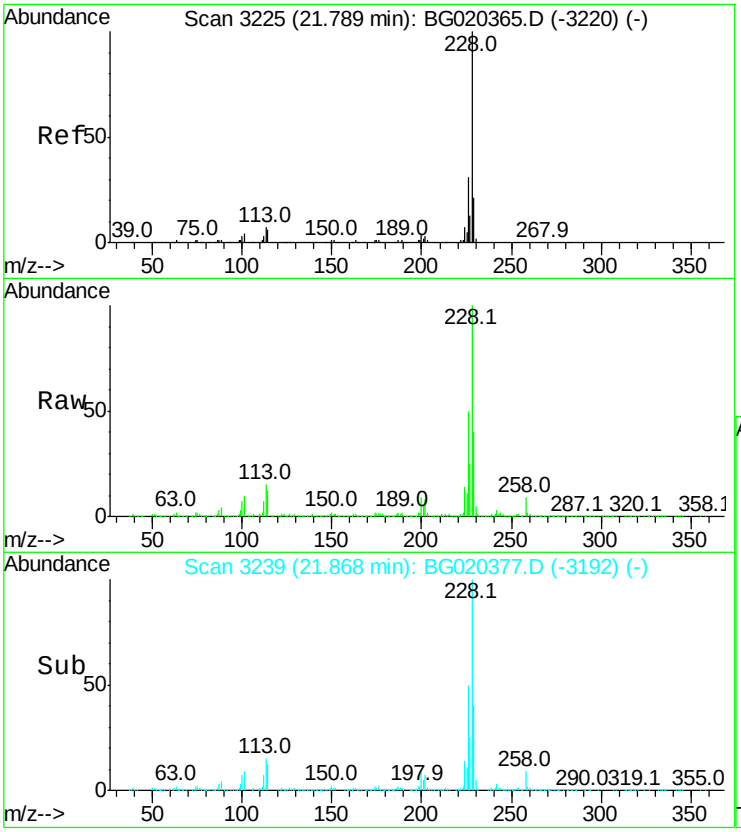


#83
Benzo(a)anthracene
Concen: 471.31 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.06 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:228 Resp: 4746366

Ion	Ratio	Lower	Upper
228	100		
229	37.6	15.8	23.8#
226	47.5	21.8	32.6#

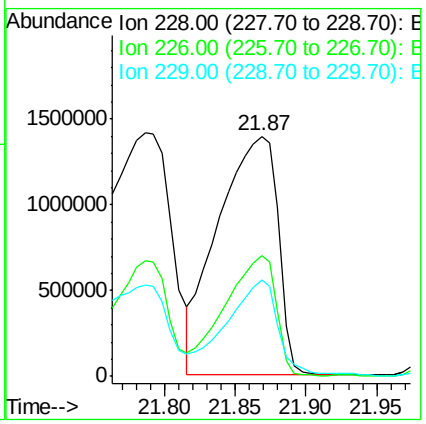




#85
Chrysene
Concen: 435.02 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. 0.08 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:228 Resp: 4125924

Ion	Ratio	Lower	Upper
228	100		
226	50.4	23.9	35.9#
229	40.1	15.6	23.4#



Instrument :
BNA_G
ClientSampleId :
D9N63

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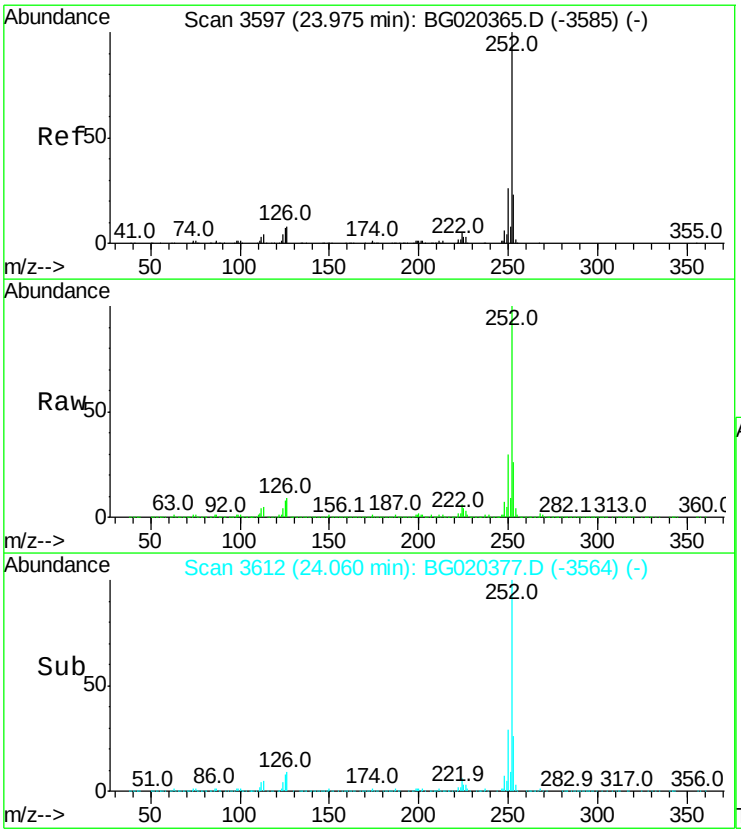
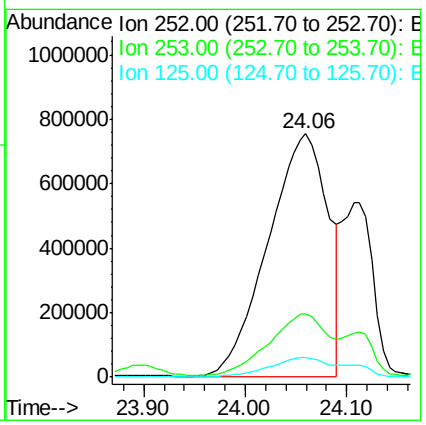
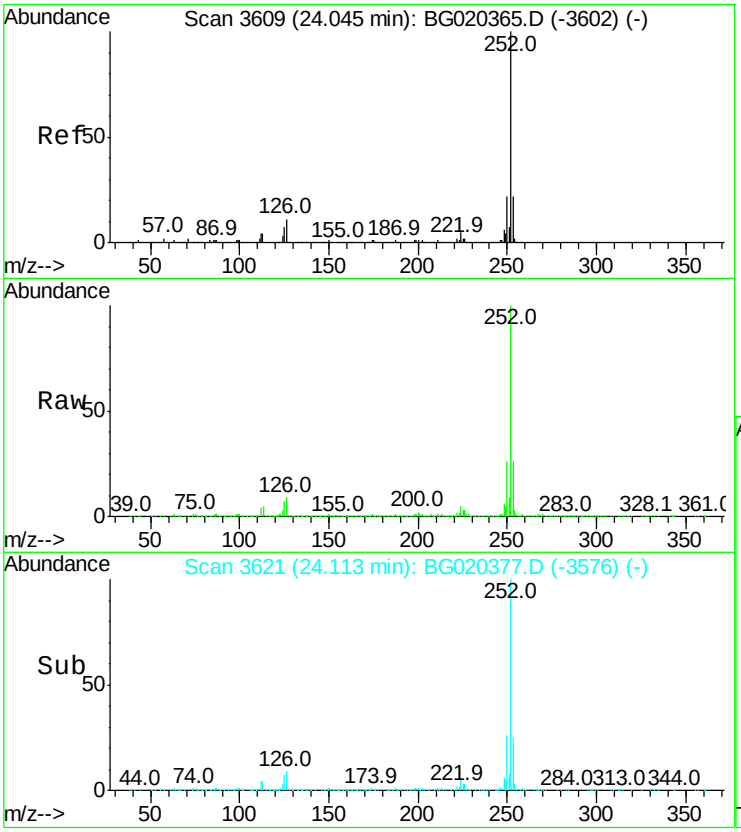


#88
Benzo(b)fluoranthene
Concen: 320.08 ng/ul
RT: 24.06 min Scan# 3612
Delta R.T. 0.08 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:252 Resp: 3086877

Ion	Ratio	Lower	Upper
252	100		
253	25.8	16.7	25.1#
125	8.0	6.2	9.2

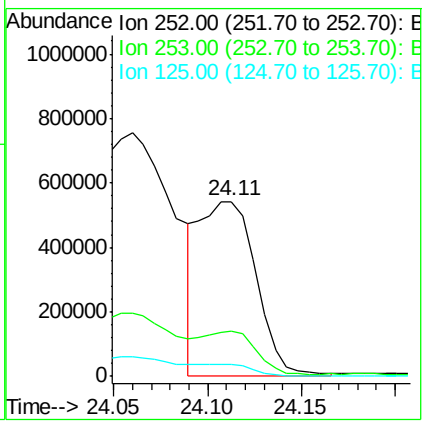




#89
Benzo(k)fluoranthene
Concen: 124.75 ng/ul m
RT: 24.11 min Scan# 3621
Delta R.T. 0.07 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:252 Resp: 1154556

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	6.6	5.8	8.6



Instrument :
BNA_G
ClientSampleId :
D9N63

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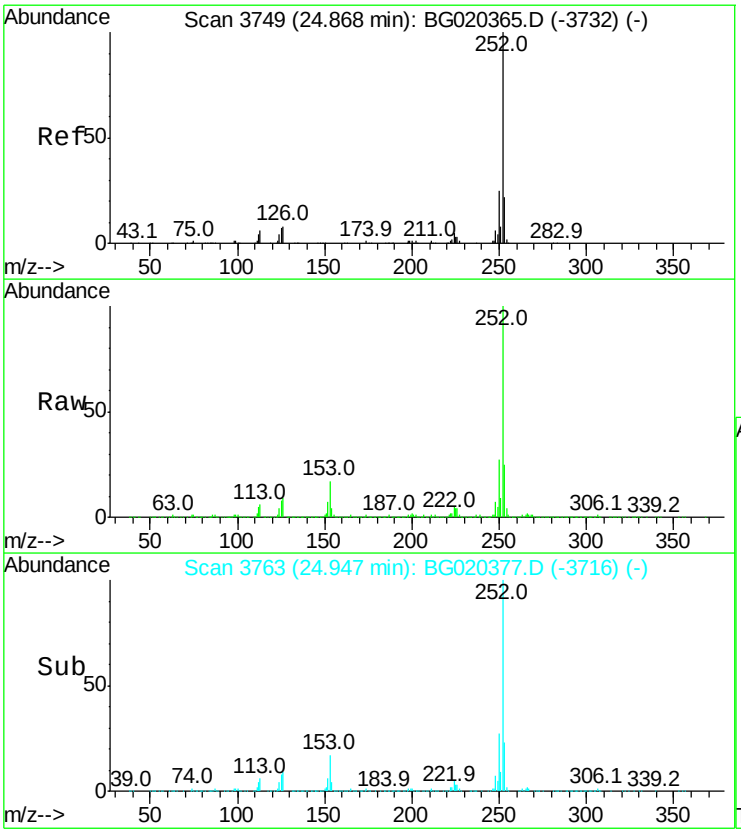
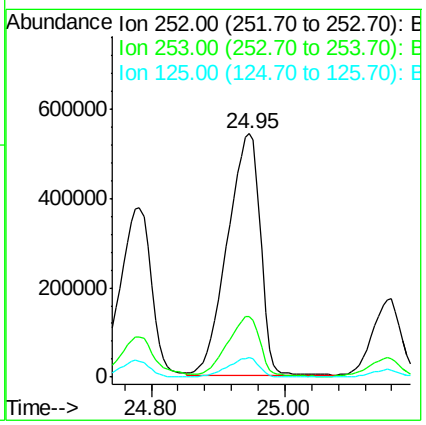
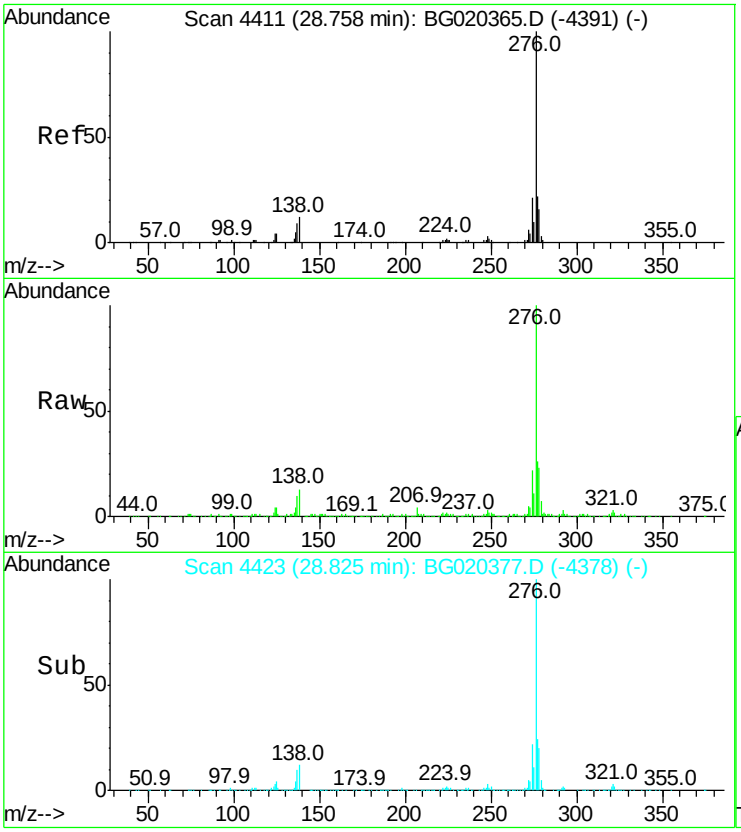


#91
Benzo(a)pyrene
Concen: 202.01 ng/ul
RT: 24.95 min Scan# 3763
Delta R.T. 0.08 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:252 Resp: 1846795

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.4
125	7.9	6.2	9.4

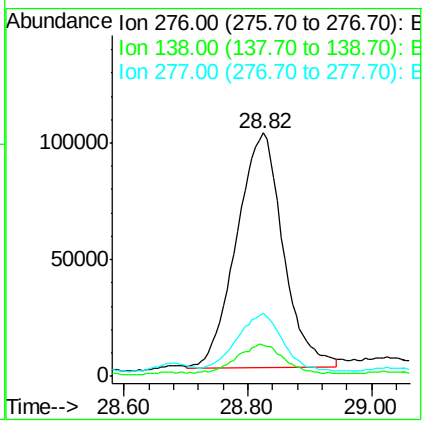




#92
Indeno(1,2,3-cd)pyrene
Concen: 48.20 ng/ul
RT: 28.82 min Scan# 4423
Delta R.T. 0.07 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:276 Resp: 524778

Ion	Ratio	Lower	Upper
276	100		
138	12.7	11.4	17.0
277	26.0	17.4	26.0



Instrument :
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ClientSampleId :
D9N63

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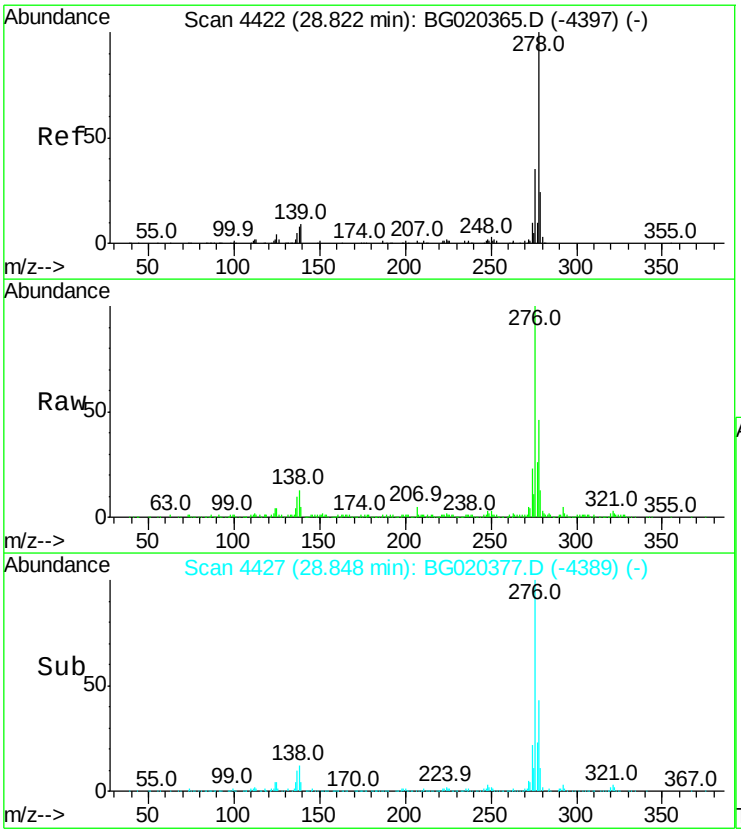
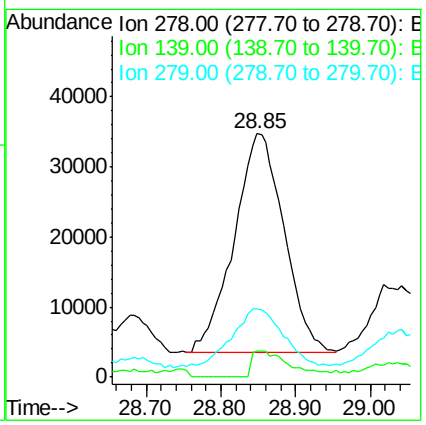
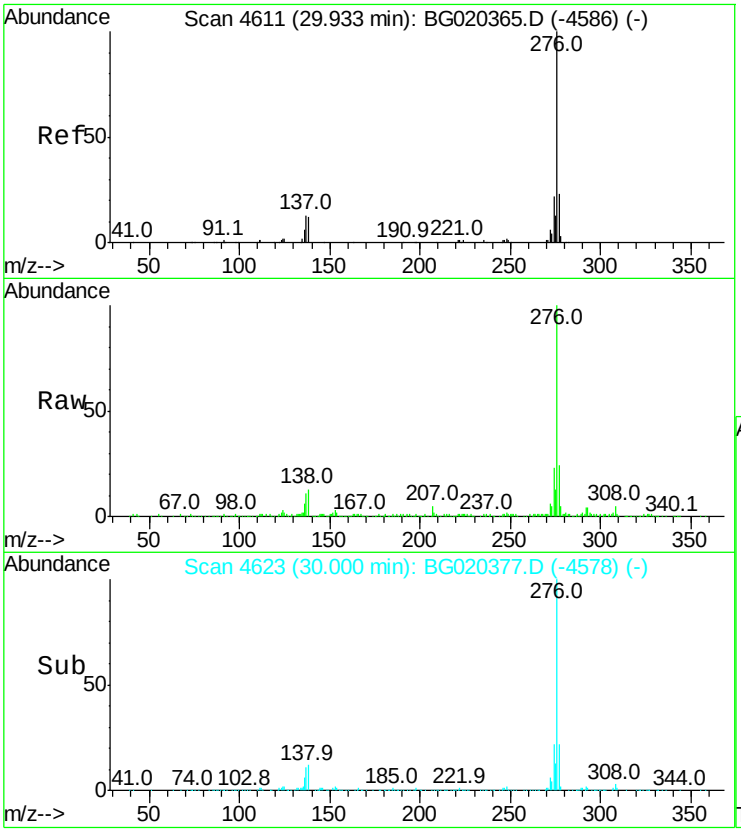


#93
Dibenzo(a,h)anthracene
Concen: 16.12 ng/ul
RT: 28.85 min Scan# 4427
Delta R.T. 0.03 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:278 Resp: 145651

Ion	Ratio	Lower	Upper
278	100		
139	10.5	9.4	14.2
279	27.9	19.4	29.0

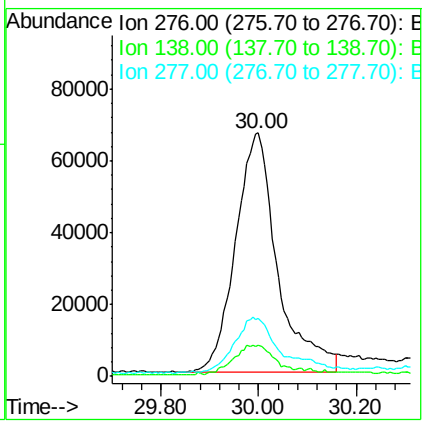




#94
Benzo(g,h,i)perylene
Concen: 44.56 ng/ul
RT: 30.00 min Scan# 4623
Delta R.T. 0.07 min
Lab File: BG020377.D
Acq: 21 Dec 2015 13:31

Tgt Ion:276 Resp: 397703

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	23.7	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
D9N63

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