Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020376.D
Acq On : 21 Dec 2015 12:53
Operator : UM/SJ
Sample : G4848-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N54

Manual Integrations APPROVED
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12/22/2015 4:49:11 PM

Quant Time: Dec 22 10:46:07 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	23298	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	97164	20.00	ng/ul	0.07
36) Acenaphthene-d10	14.76	164	91543m	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.55	188	127219m	20.00	ng/ul	0.08
78) Chrysene-d12	21.80	240	168862	20.00	ng/ul	0.05
86) Perylene-d12	25.06	264	156645	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1077	2.55	ng/uL	0.00
5) Phenol-d5	7.26	99	31058	15.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	20460	16.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	25754	17.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	28506	16.22	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	17011m	22.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.00	143	16603	19.70	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.56	165	31597	18.51	ng/ul	0.03
29) 4-Chloroaniline-d4	11.11	131	18915	9.86	ng/ul	0.07
44) Dimethylphthalate-d6	14.16	166	101766	13.74	ng/ul	0.03
47) Acenaphthylene-d8	14.44	160	118342	13.74	ng/ul	0.01
52) 4-Nitrophenol-d4	14.97	143	16244	12.23	ng/ul	0.04
58) Fluorene-d10	15.74	176	97244m	14.48	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.68	188	121786	20.78	ng/ul	0.11
79) Pyrene-d10	19.89	212	159321m	20.24	ng/ul	0.04
90) Benzo(a)pyrene-d12	24.83	264	175509	22.46	ng/ul	0.04
Target Compounds						Qvalue
6) Phenol	7.28	94	3918	1.78	ng/ul#	79
11) 2-Methylphenol	8.54	108	4907	2.92	ng/ul	91
16) 4-Methylphenol	8.88	108	10834	5.83	ng/ul	98
24) 2,4-Dimethylphenol	10.09	107	23886m	11.64	ng/ul	
28) Naphthalene	11.08	128	11970798	2359.21	ng/ul#	34
34) 2-Methylnaphthalene	12.64	142	6016738	1552.40	ng/ul	95
41) 1,1'-Biphenyl	13.59	154	2517662	364.55	ng/ul#	84
45) Dimethylphthalate	14.21	163	45833	6.06	ng/ul	97
48) Acenaphthylene	14.46	152	684981	74.84	ng/ul#	90
50) Acenaphthene	14.88	153	8113260m	1317.50	ng/ul	
54) Dibenzofuran	15.19	168	6477182	707.06	ng/ul#	49
59) Fluorene	15.85	166	6740782m	916.33	ng/ul	
70) Phenanthrene	17.64	178	14368279m	2064.80	ng/ul	
72) Anthracene	17.70	178	2641165m	374.21	ng/ul	
75) Carbazole	17.92	167	1964224	331.21	ng/ul#	87
77) Fluoranthene	19.62	202	10114582m	1243.70	ng/ul	
80) Pyrene	19.97	202	7976730	780.49	ng/ul#	25
83) Benzo(a)anthracene	21.78	228	3811198	386.81	ng/ul#	68
85) Chrysene	21.86	228	3205362	345.42	ng/ul#	69
88) Benzo(b)fluoranthene	24.04	252	2135621	226.51	ng/ul	94
89) Benzo(k)fluoranthene	24.09	252	883205m	97.62	ng/ul	
91) Benzo(a)pyrene	24.92	252	1264862	141.53	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.80	276	346715	32.58	ng/ul#	94

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Sample : G4848-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 22 10:46:07 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)
93) Dibenzo(a,h)anthracene	28.82	278	101251	11.46	ng/ul#	90
94) Benzo(g,h,i)perylene	29.98	276	241836	27.72	ng/ul	97

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

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Manual Integrations APPROVED
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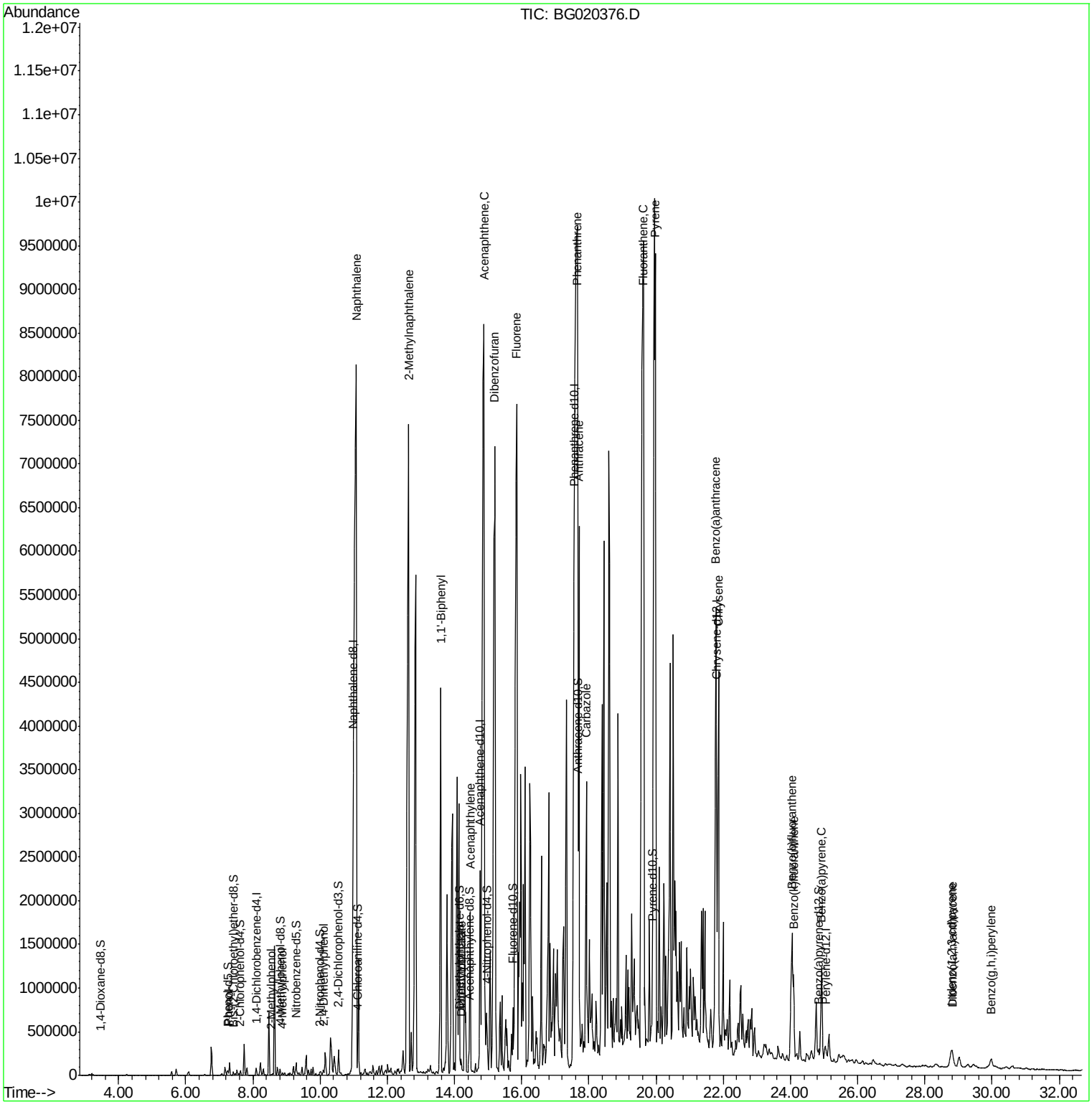
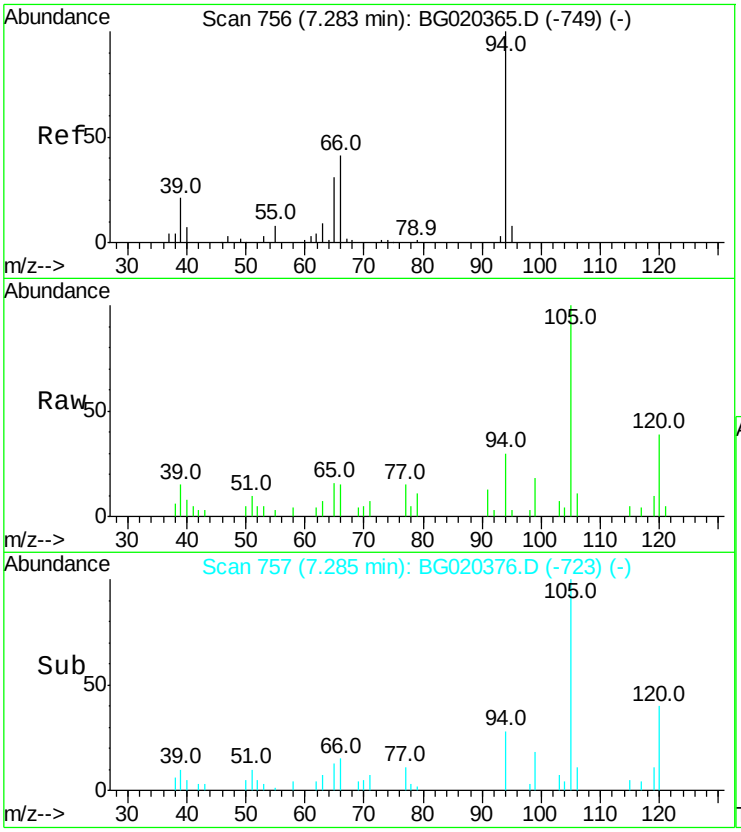
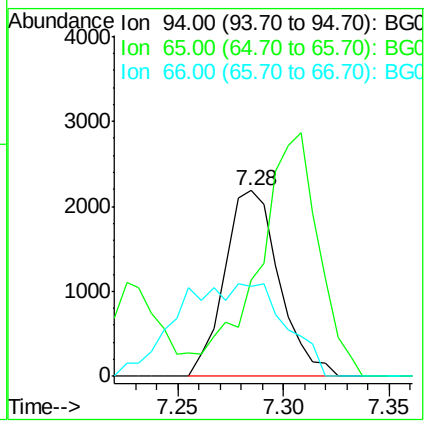




#6
Phenol
Concen: 1.78 ng/ul
RT: 7.28 min Scan# 757
Delta R.T. 0.00 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion: 94 Resp: 3918

Ion	Ratio	Lower	Upper
94	100		
65	51.8	26.3	39.5#
66	48.6	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
D9N54

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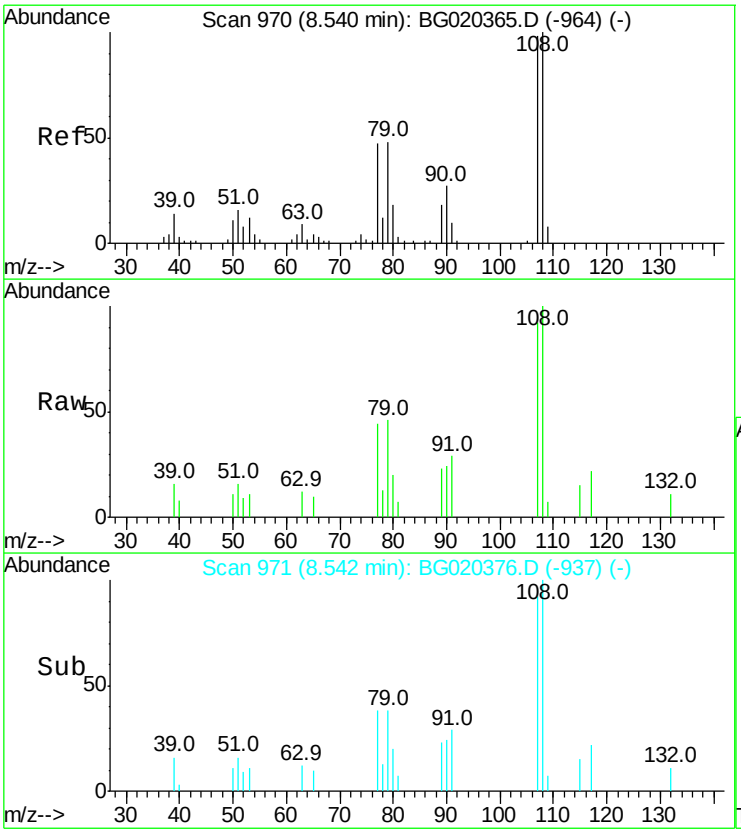
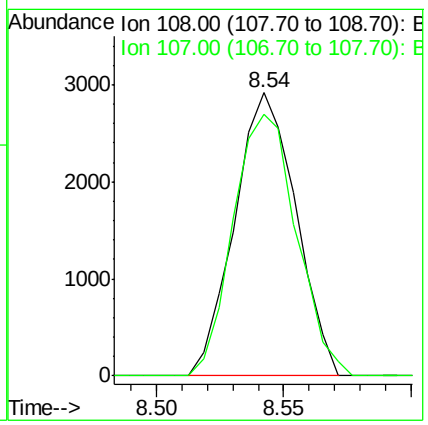
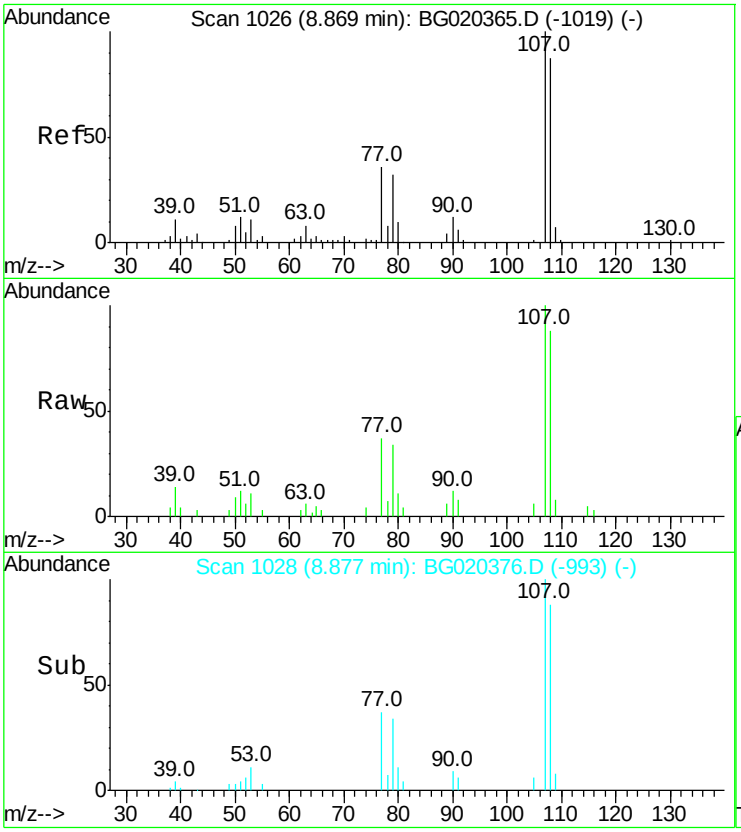


#11
2-Methylphenol
Concen: 2.92 ng/ul
RT: 8.54 min Scan# 971
Delta R.T. 0.00 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:108 Resp: 4907

Ion	Ratio	Lower	Upper
108	100		
107	92.2	67.5	101.3

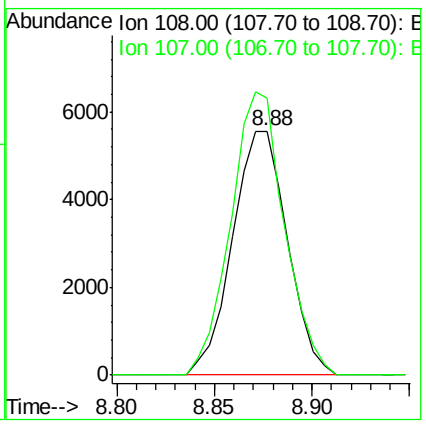




#16
4-Methylphenol
Concen: 5.83 ng/ul
RT: 8.88 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:108 Resp: 10834

Ion	Ratio	Lower	Upper
108	100		
107	113.5	88.9	133.3



Instrument :
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ClientSampleId :
D9N54

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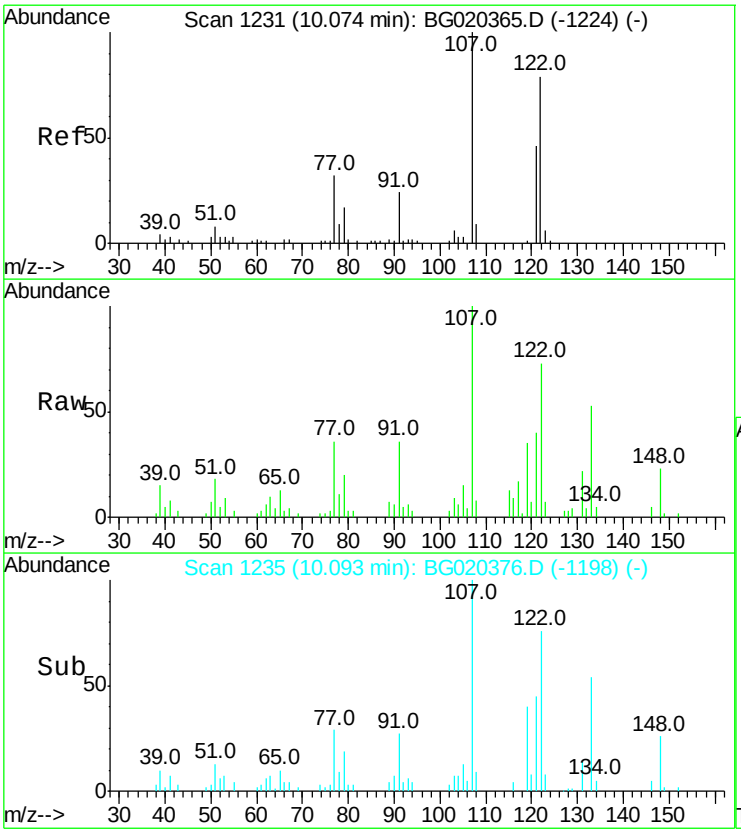
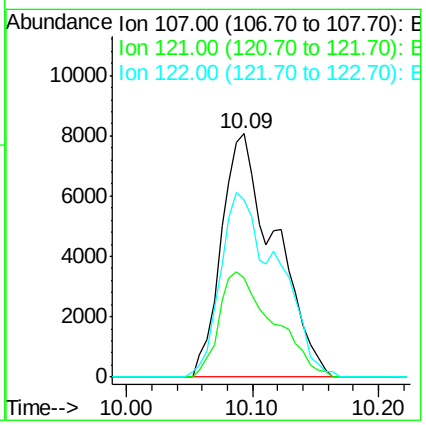
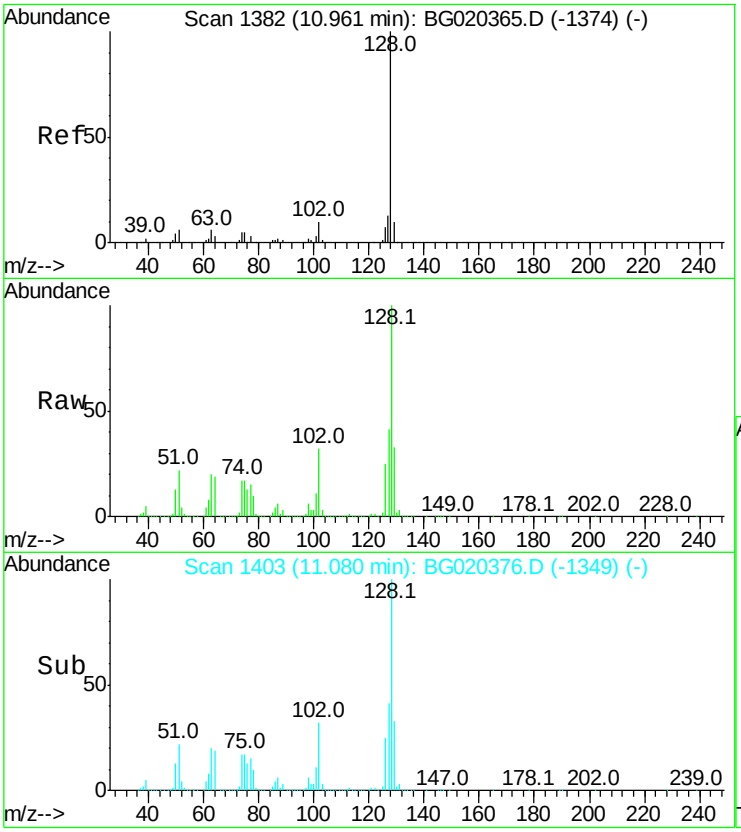


#24
2,4-Dimethylphenol
Concen: 11.64 ng/ul m
RT: 10.09 min Scan# 1235
Delta R.T. 0.02 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:107 Resp: 23886

Ion	Ratio	Lower	Upper
107	100		
121	40.4	39.0	58.4
122	72.9	62.1	93.1

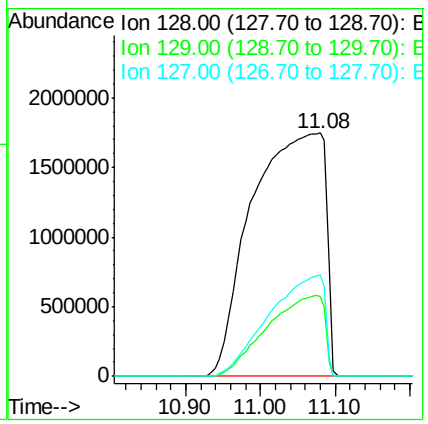




#28
Naphthalene
Concen: 2359.21 ng/ul
RT: 11.08 min Scan# 1403
Delta R.T. 0.12 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:128 Resp:11970798

Ion	Ratio	Lower	Upper
128	100		
129	32.6	8.6	12.8#
127	41.5	10.1	15.1#



Instrument :
BNA_G
ClientSampleId :
D9N54

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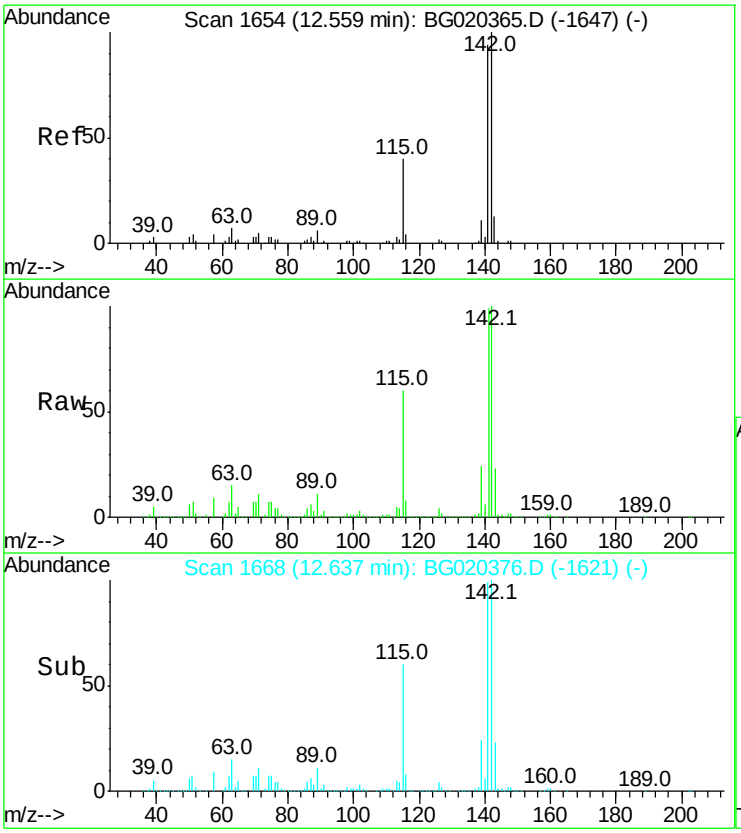
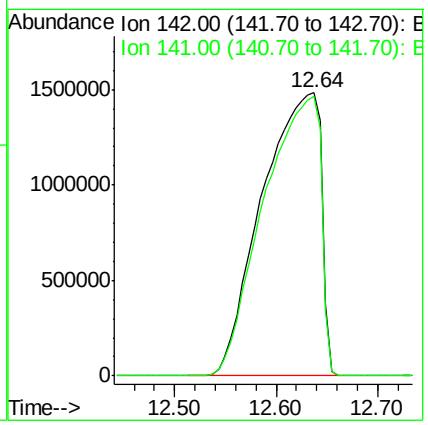
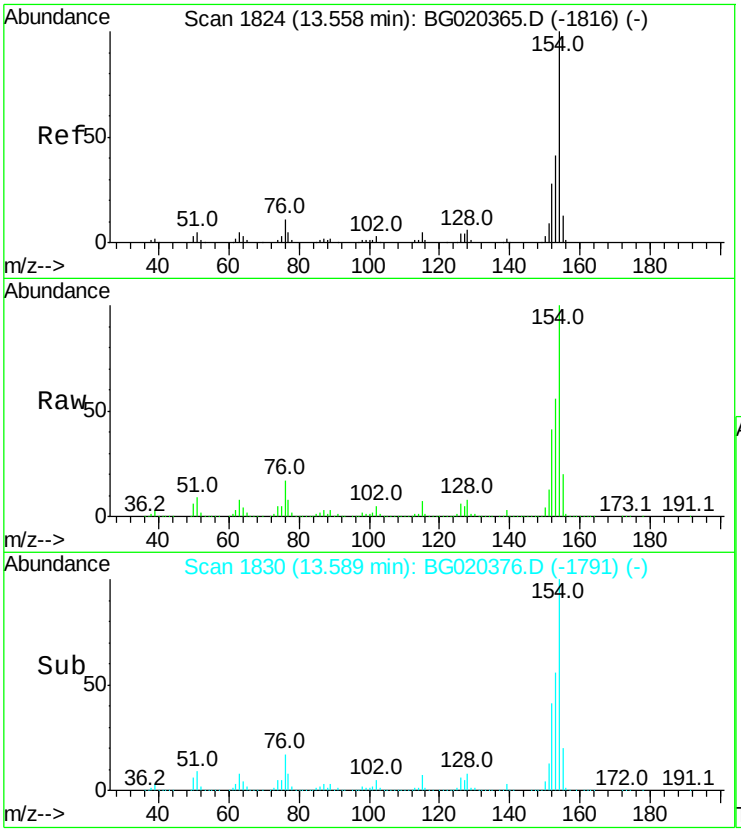


#34
2-Methylnaphthalene
Concen: 1552.40 ng/ul
RT: 12.64 min Scan# 1668
Delta R.T. 0.08 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:142 Resp: 6016738

Ion	Ratio	Lower	Upper
142	100		
141	98.7	74.9	112.3

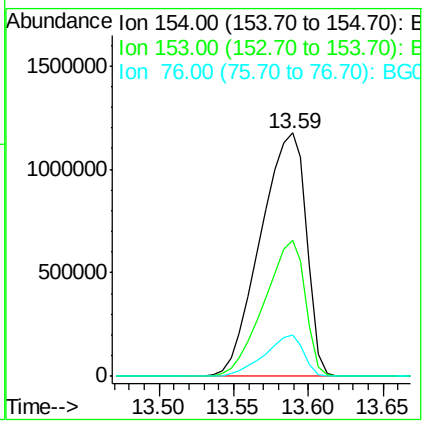




#41
1,1'-Biphenyl
Concen: 364.55 ng/ul
RT: 13.59 min Scan# 1830
Delta R.T. 0.03 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:154 Resp: 2517662

Ion	Ratio	Lower	Upper
154	100		
153	56.1	35.5	53.3#
76	17.0	10.4	15.6#



Instrument :
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ClientSampleId :
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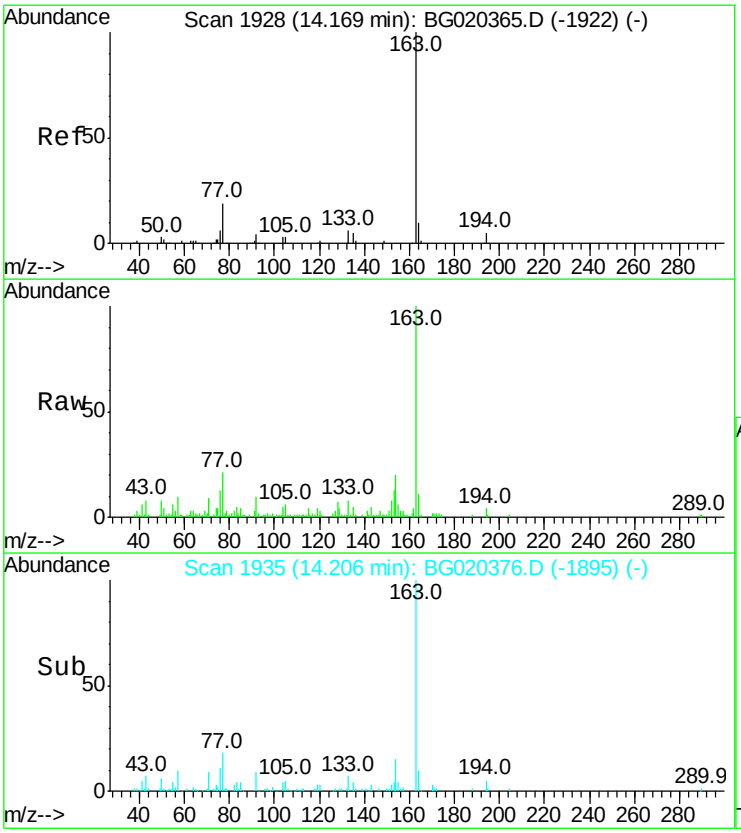
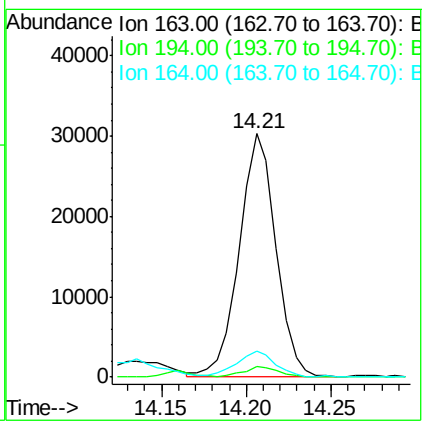
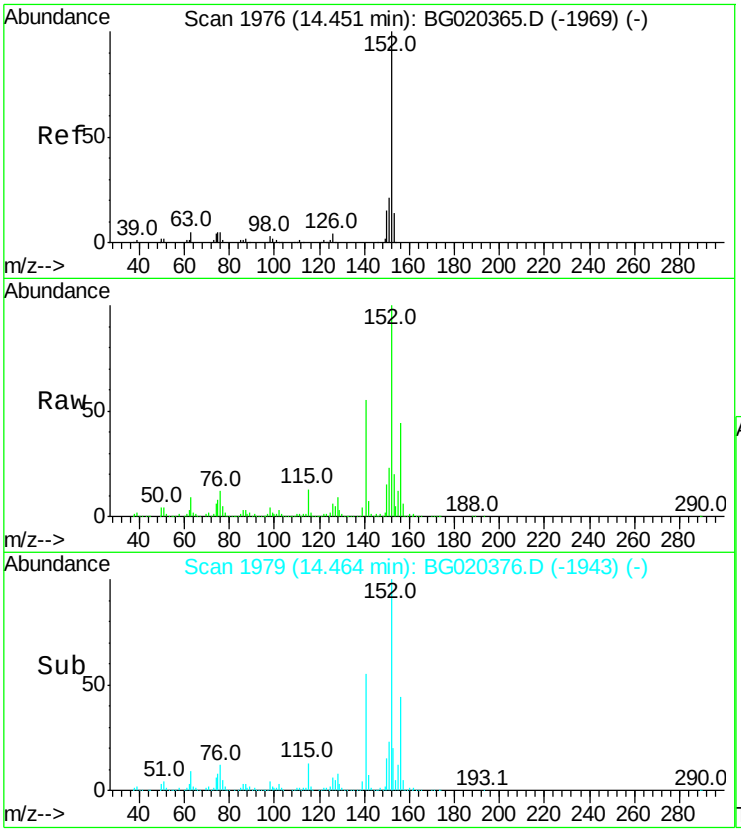


#45
Dimethylphthalate
Concen: 6.06 ng/ul
RT: 14.21 min Scan# 1935
Delta R.T. 0.04 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:163 Resp: 45833

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.9	7.7	11.5

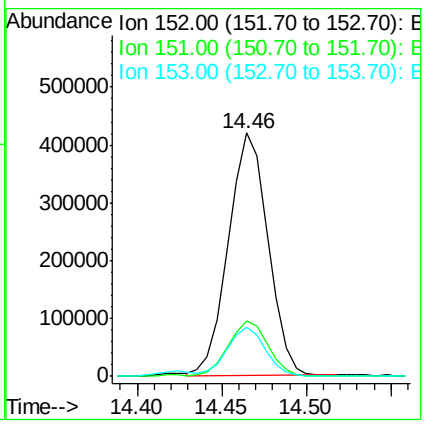




#48
Acenaphthylene
Concen: 74.84 ng/ul
RT: 14.46 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:152 Resp: 684981

Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.4	24.6
153	20.1	10.4	15.6#



Instrument :
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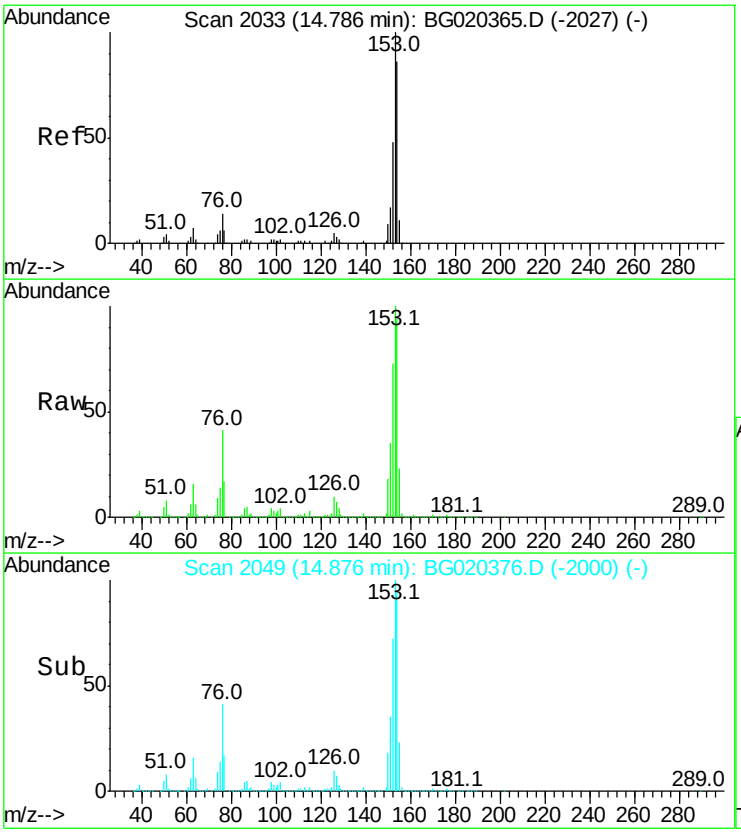
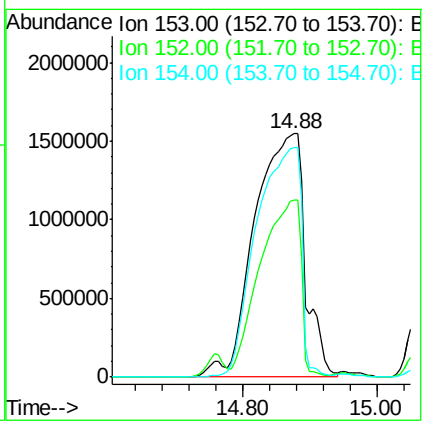
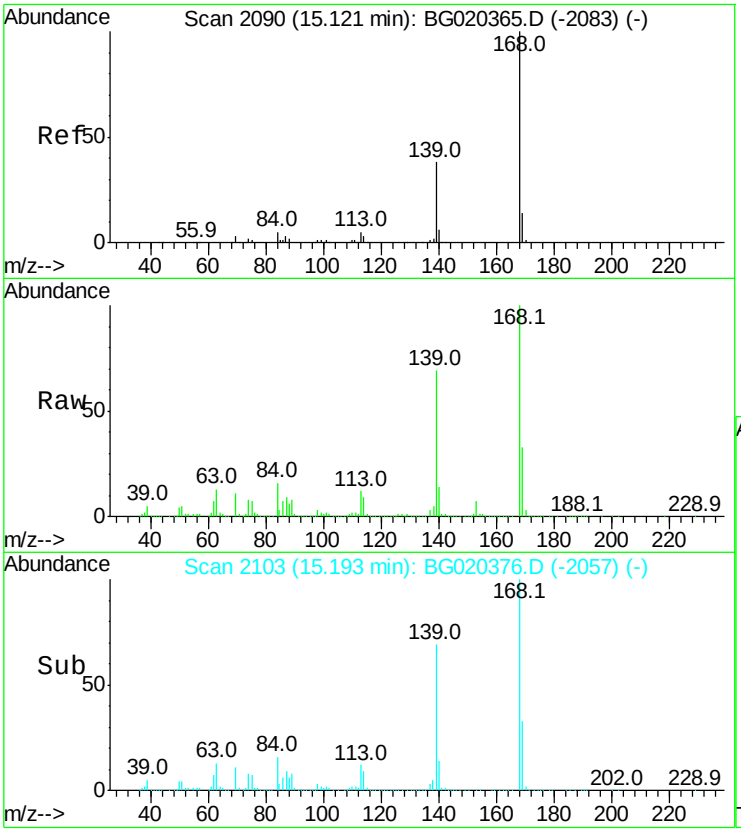


#50
Acenaphthene
Concen: 1317.50 ng/ul m
RT: 14.88 min Scan# 2049
Delta R.T. 0.09 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:153 Resp: 8113260

Ion	Ratio	Lower	Upper
153	100		
152	72.5	37.6	56.4#
154	94.1	67.9	101.9





#54
Dibenzofuran
Concen: 707.06 ng/ul
RT: 15.19 min Scan# 2103
Delta R.T. 0.07 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:168 Resp: 6477182

Ion	Ratio	Lower	Upper
168	100		
139	69.0	30.5	45.7#

Instrument :
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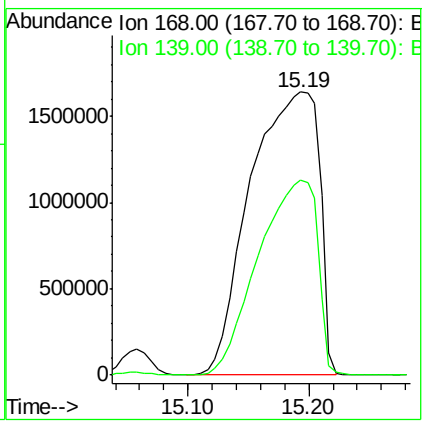
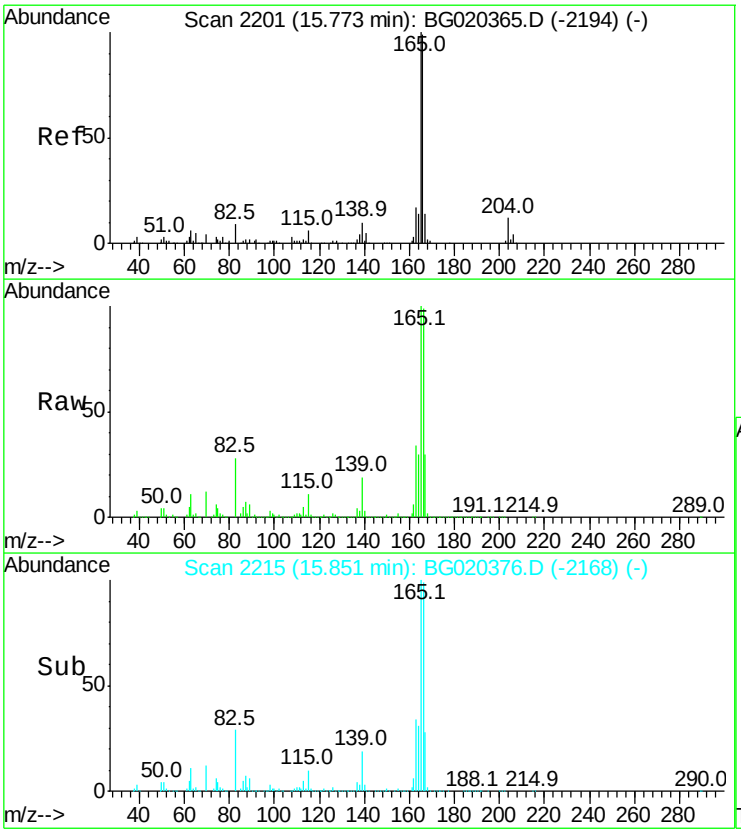
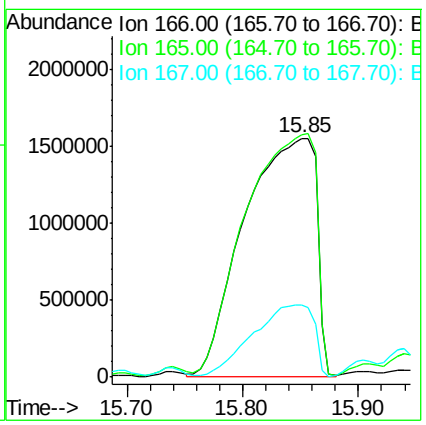


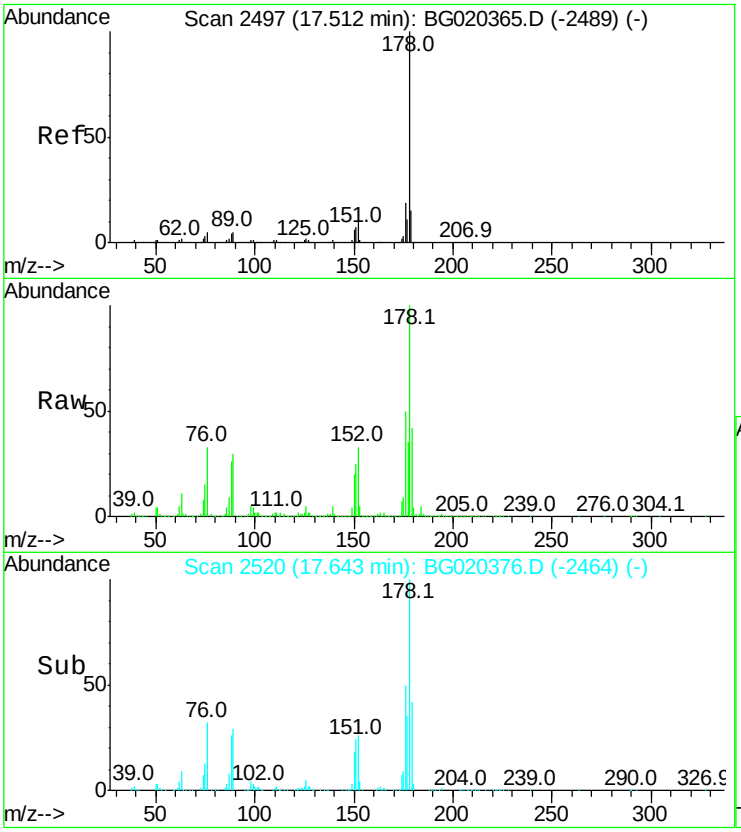


#59
Fluorene
Concen: 916.33 ng/ul m
RT: 15.85 min Scan# 2215
Delta R.T. 0.08 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:166 Resp: 6740782

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.4	122.0
167	30.0	11.2	16.8#

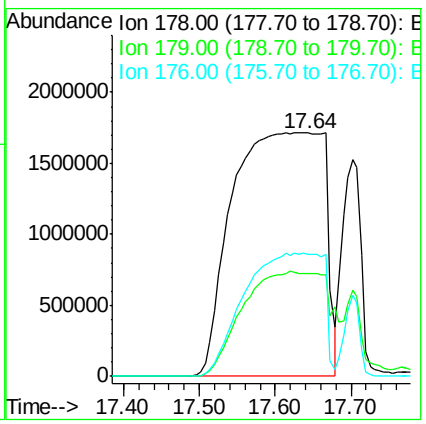




#70
Phenanthrene
Concen: 2064.80 ng/ul m
RT: 17.64 min Scan# 2520
Delta R.T. 0.13 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:178 Resp:14368279

Ion	Ratio	Lower	Upper
178	100		
179	42.2	12.9	19.3#
176	50.2	15.3	22.9#



Instrument :
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ClientSampleId :
D9N54

Manual Integrations APPROVED
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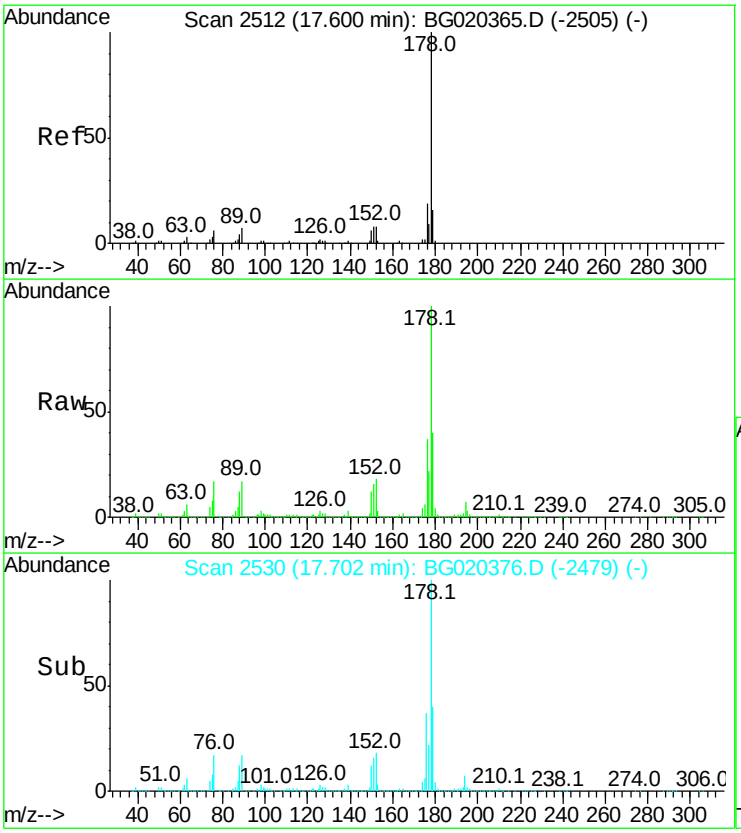
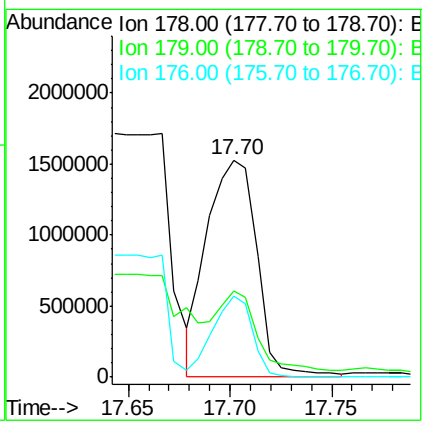
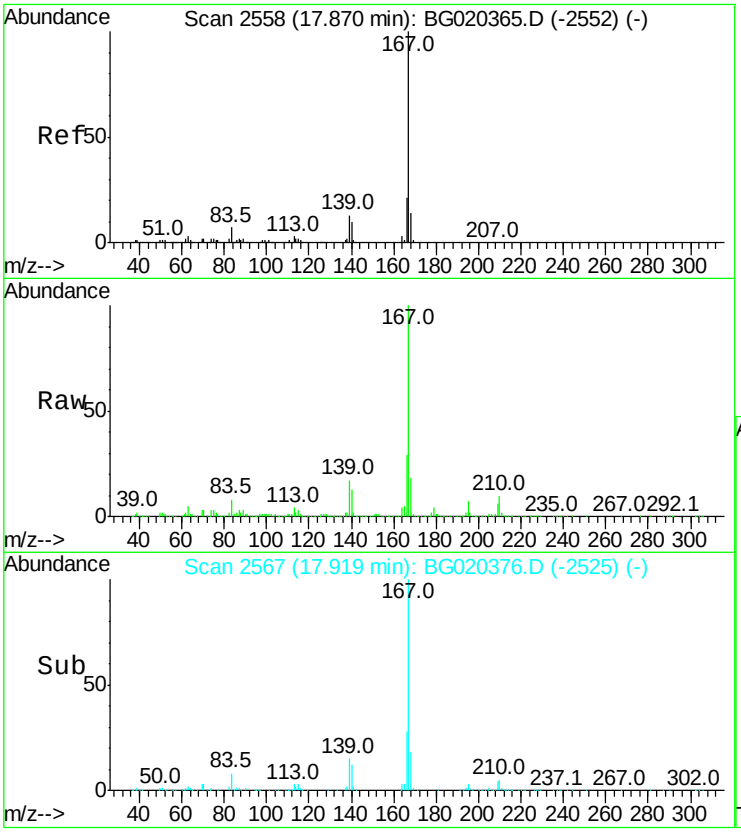


#72
Anthracene
Concen: 374.21 ng/ul m
RT: 17.70 min Scan# 2530
Delta R.T. 0.10 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:178 Resp: 2641165

Ion	Ratio	Lower	Upper
178	100		
179	39.9	12.3	18.5#
176	37.5	14.3	21.5#





#75
Carbazole
Concen: 331.21 ng/ul
RT: 17.92 min Scan# 2567
Delta R.T. 0.05 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:167 Resp: 1964224

Ion	Ratio	Lower	Upper
167	100		
166	28.5	17.0	25.6#
139	16.7	10.1	15.1#

Instrument :
BNA_G
ClientSampleId :
D9N54

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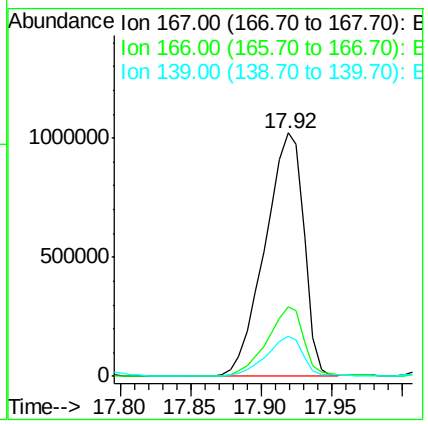
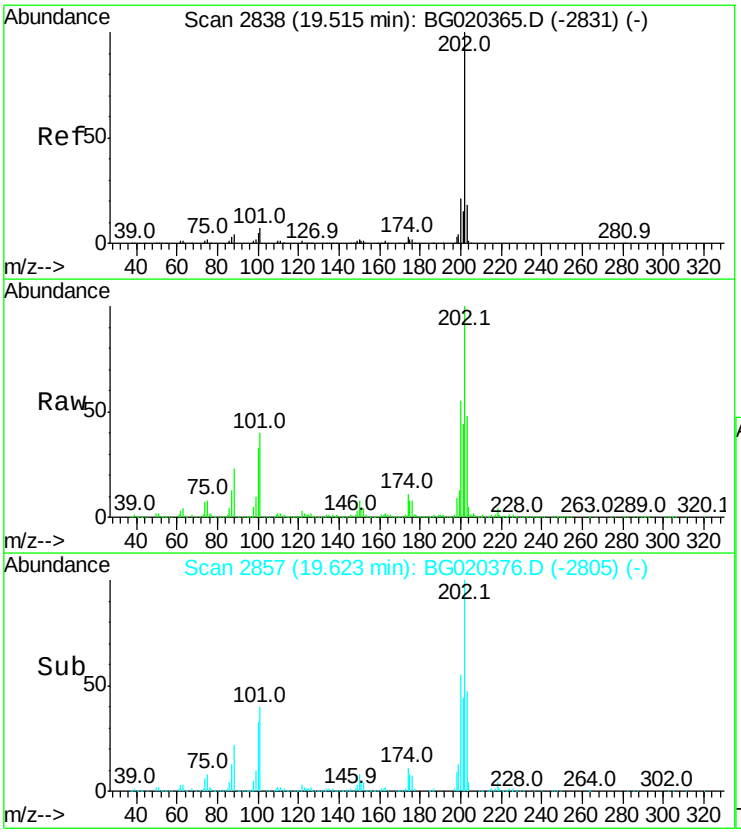
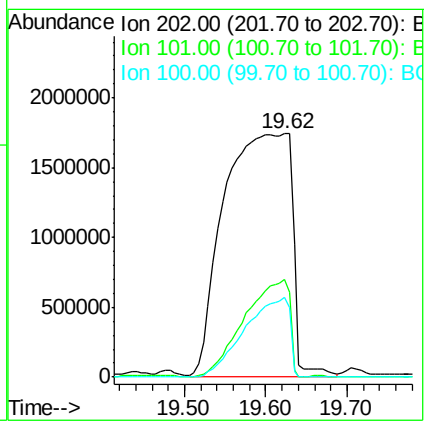


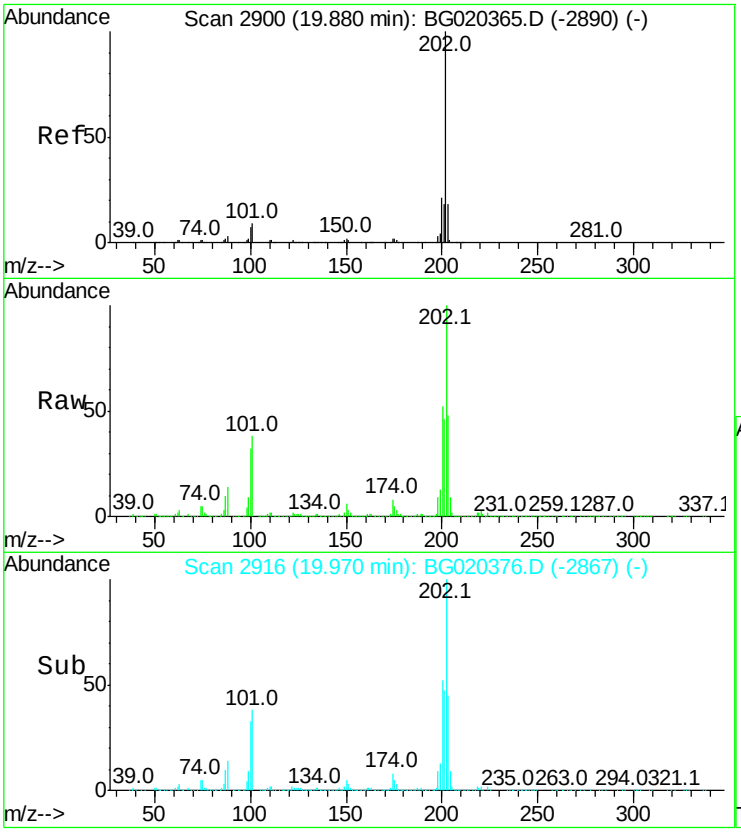


#77
Fluoranthene
Concen: 1243.70 ng/ul m
RT: 19.62 min Scan# 2857
Delta R.T. 0.11 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:202 Resp:10114582

Ion	Ratio	Lower	Upper
202	100		
101	40.1	6.2	9.4#
100	32.6	5.1	7.7#





#80
Pyrene
Concen: 780.49 ng/ul
RT: 19.97 min Scan# 2916
Delta R.T. 0.09 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:202 Resp: 7976730

Ion	Ratio	Lower	Upper
202	100		
101	37.8	7.0	10.4#
100	32.3	6.4	9.6#

Instrument :
BNA_G
ClientSampleId :
D9N54

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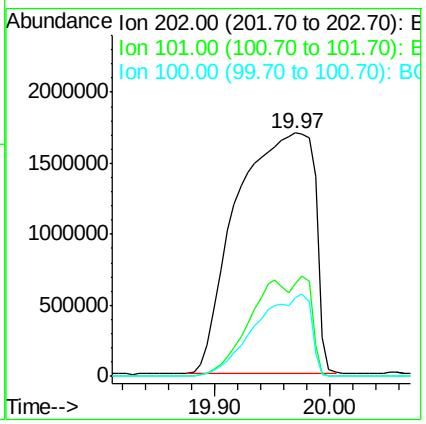
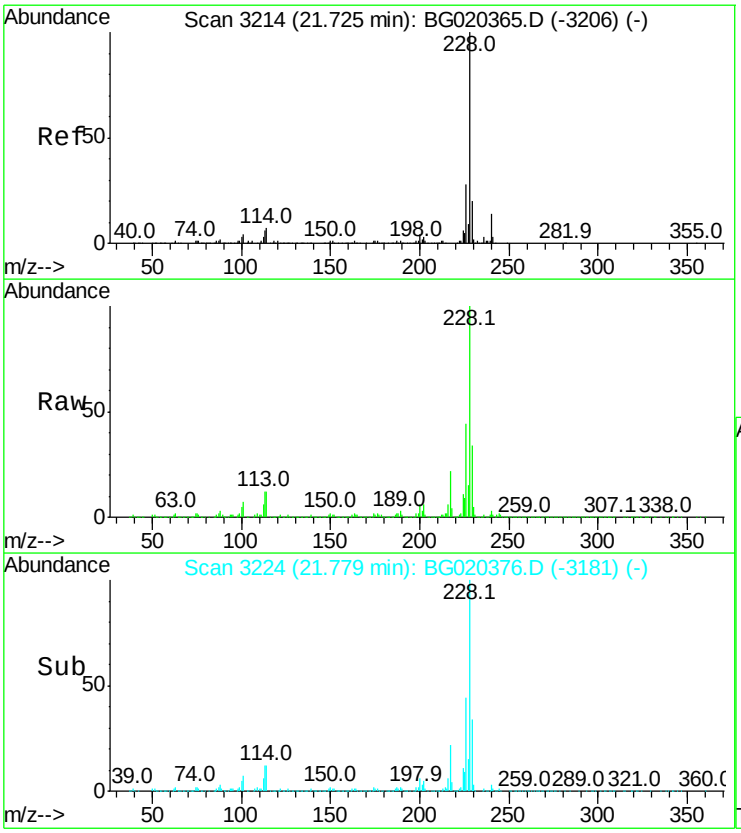
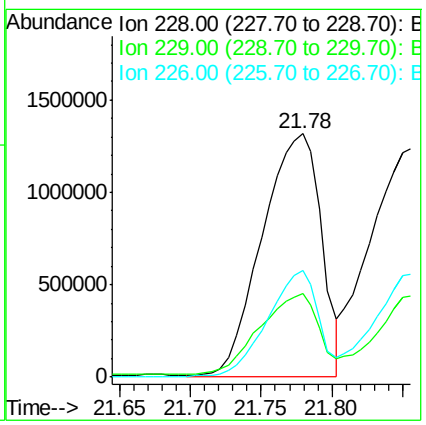


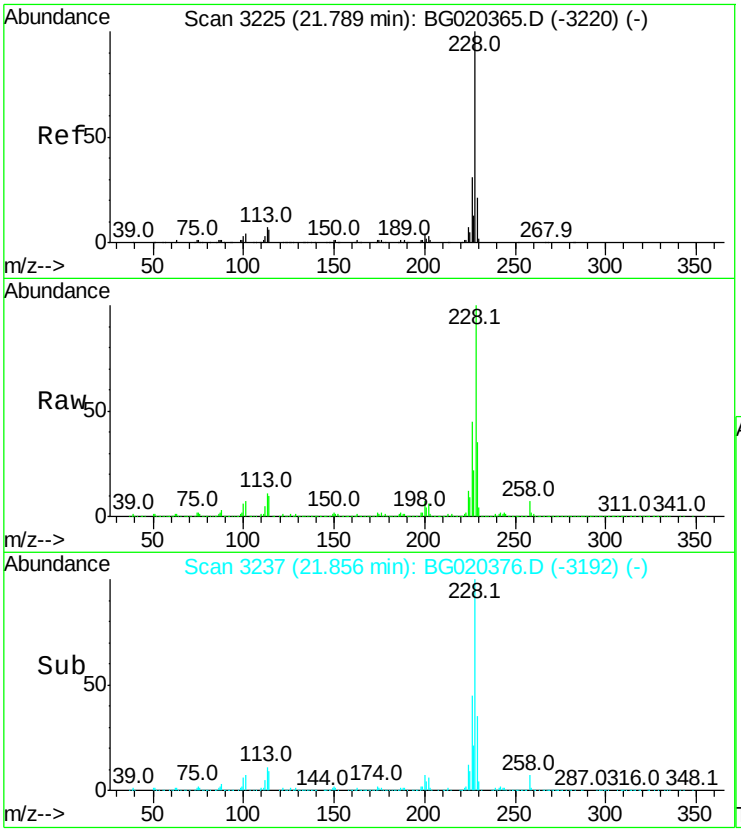


#83
Benzo(a)anthracene
Concen: 386.81 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.05 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:228 Resp: 3811198

Ion	Ratio	Lower	Upper
228	100		
229	34.3	15.8	23.8#
226	43.8	21.8	32.6#





#85
Chrysene
Concen: 345.42 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. 0.07 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:228 Resp: 3205362

Ion	Ratio	Lower	Upper
228	100		
226	44.9	23.9	35.9#
229	35.4	15.6	23.4#

Instrument :
BNA_G
ClientSampleId :
D9N54

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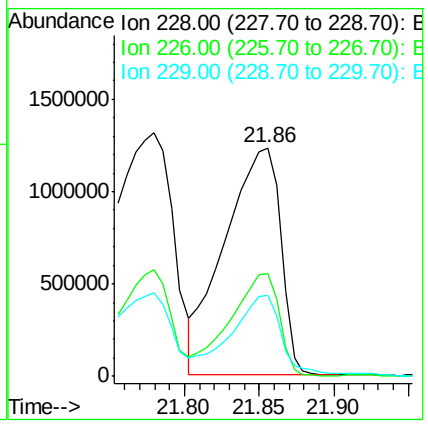
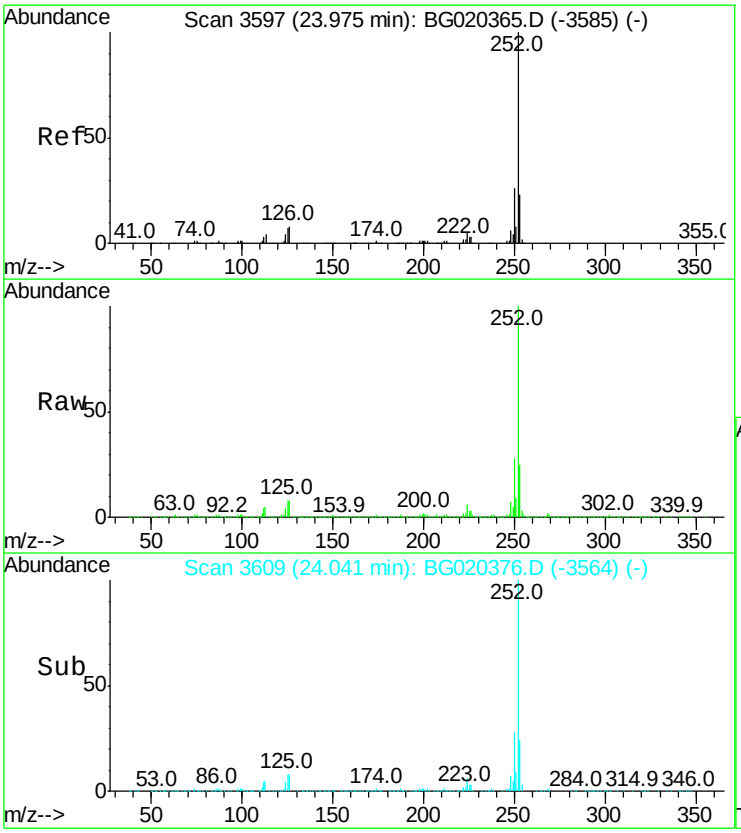
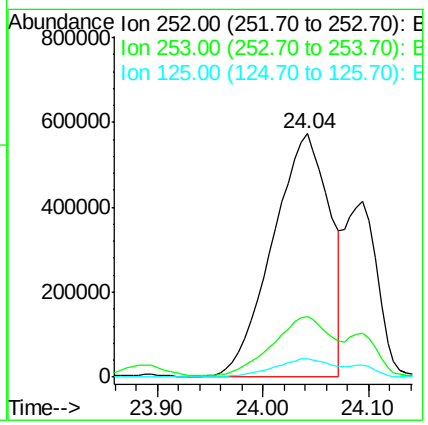


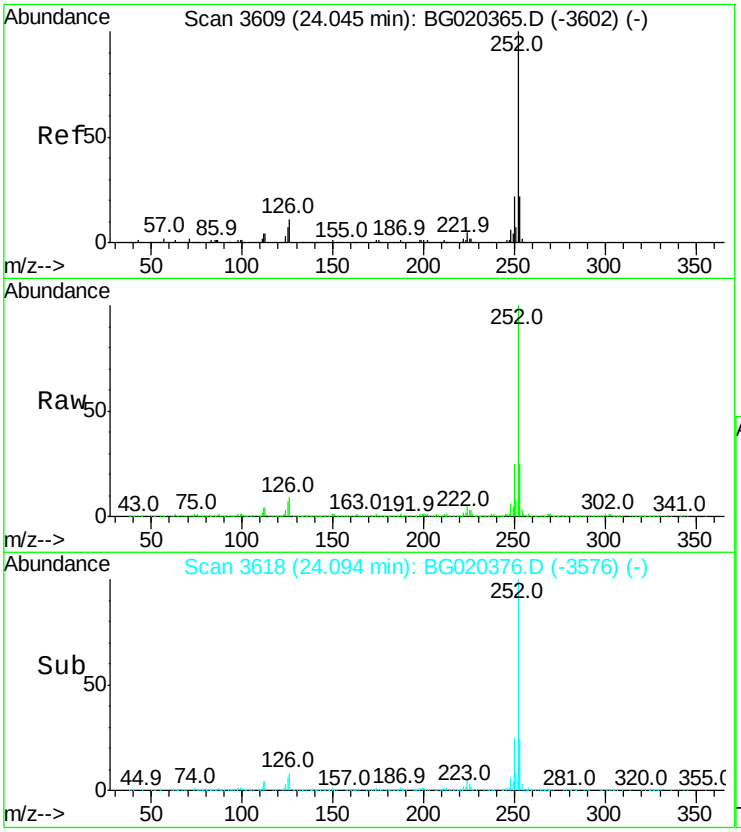


#88
Benzo(b)fluoranthene
Concen: 226.51 ng/ul
RT: 24.04 min Scan# 3609
Delta R.T. 0.07 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:252 Resp: 2135621

Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.7	25.1
125	7.7	6.2	9.2

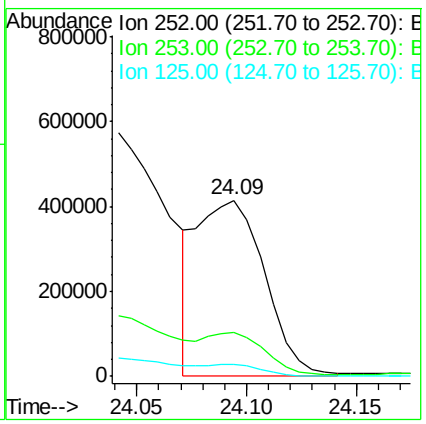




#89
Benzo(k)fluoranthene
Concen: 97.62 ng/ul m
RT: 24.09 min Scan# 3618
Delta R.T. 0.05 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:252 Resp: 883205

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	6.5	5.8	8.6



Instrument :
BNA_G
ClientSampleId :
D9N54

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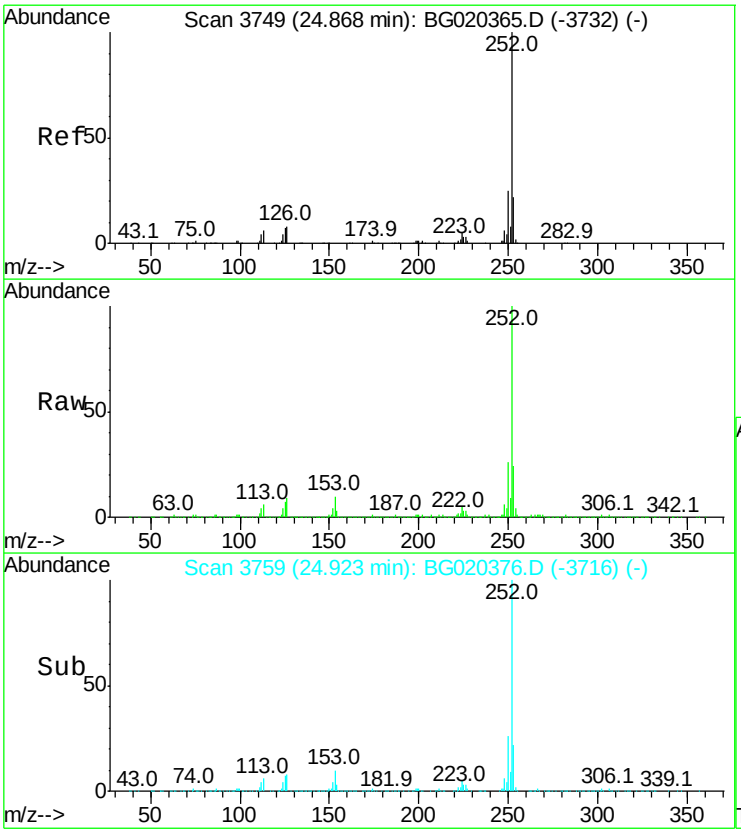
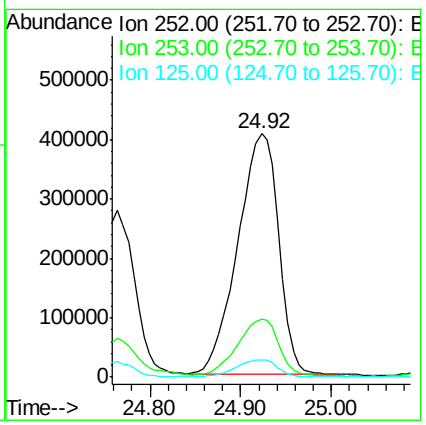
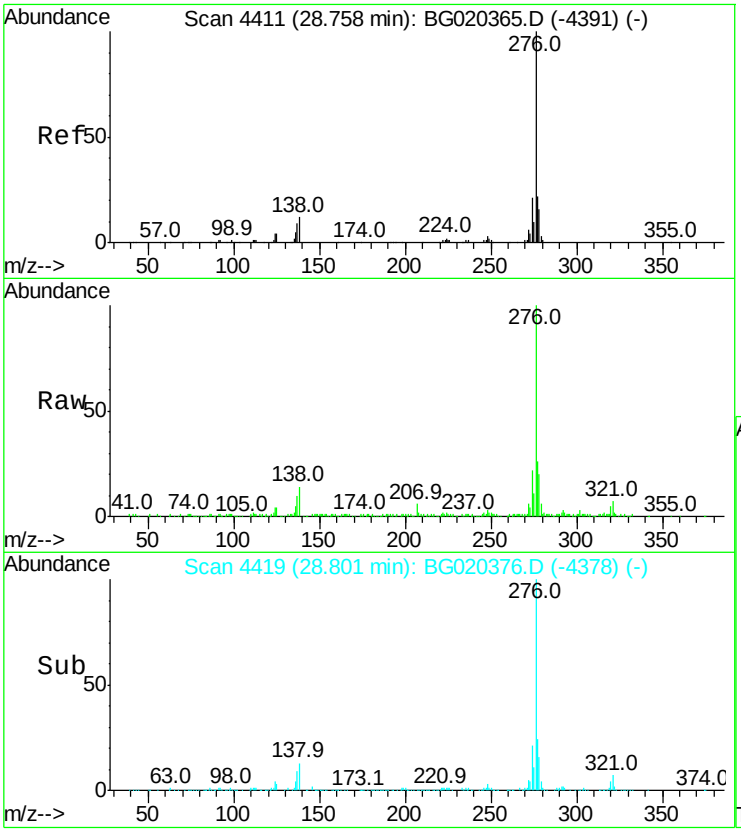


#91
Benzo(a)pyrene
Concen: 141.53 ng/ul
RT: 24.92 min Scan# 3759
Delta R.T. 0.05 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:252 Resp: 1264862

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	7.2	6.2	9.4





#92
Indeno(1,2,3-cd)pyrene
Concen: 32.58 ng/ul
RT: 28.80 min Scan# 4419
Delta R.T. 0.04 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:276 Resp: 346715

Ion	Ratio	Lower	Upper
276	100		
138	13.8	11.4	17.0
277	26.1	17.4	26.0#

Instrument :
BNA_G
ClientSampleId :
D9N54

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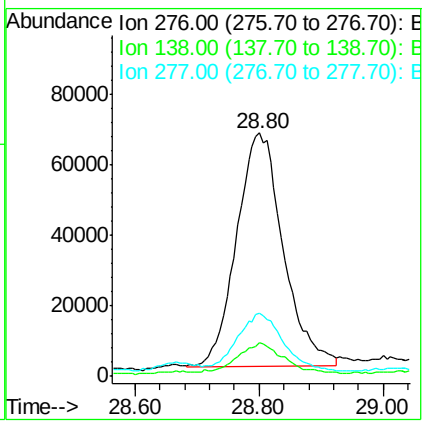
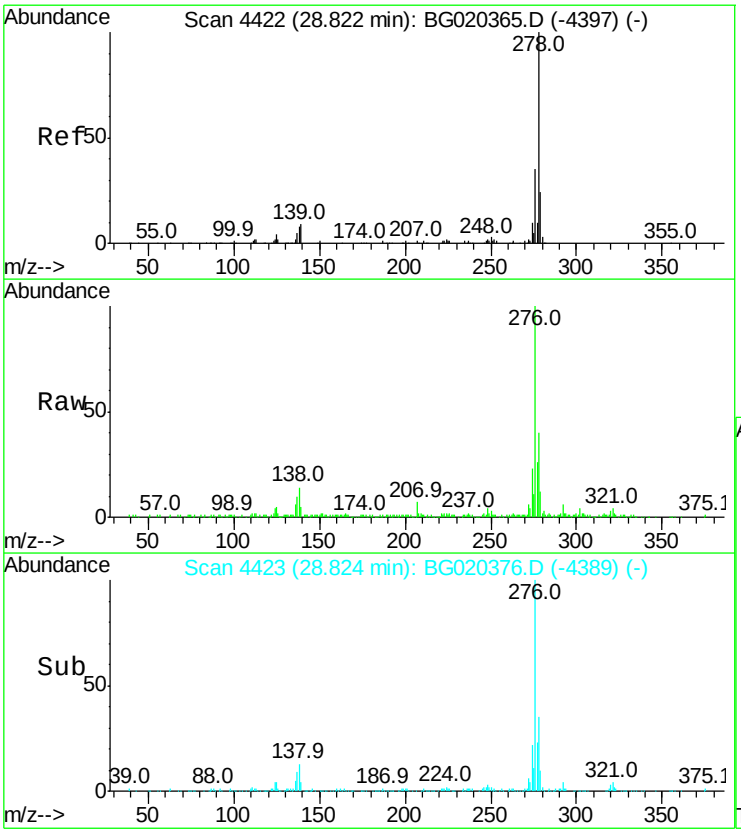
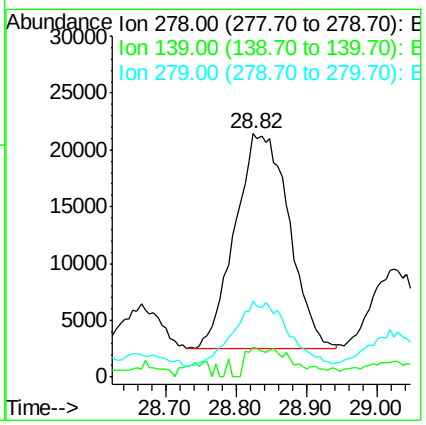


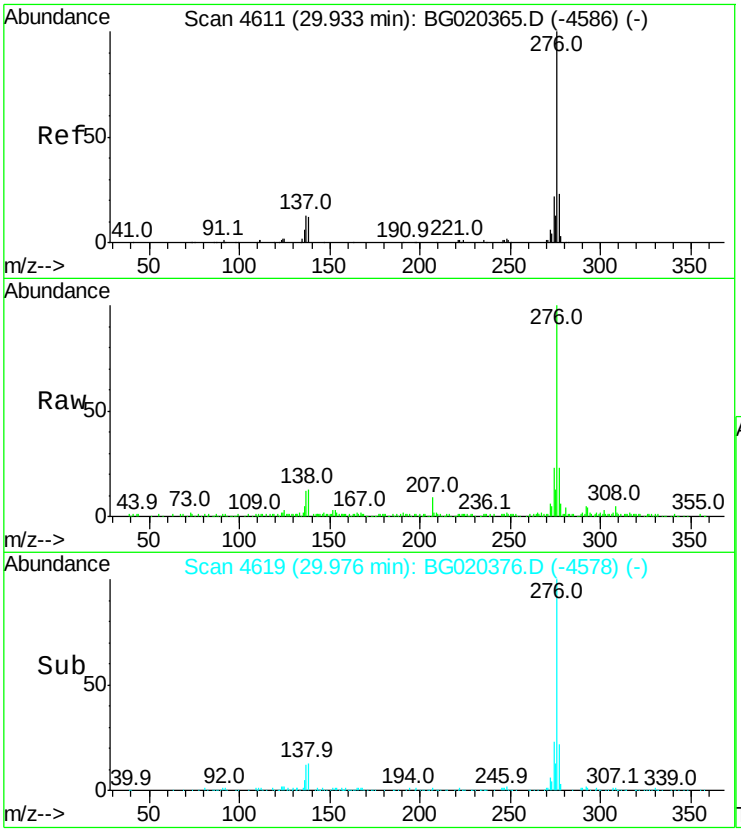


#93
Dibenzo(a,h)anthracene
Concen: 11.46 ng/ul
RT: 28.82 min Scan# 4423
Delta R.T. 0.00 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:278 Resp: 101251

Ion	Ratio	Lower	Upper
278	100		
139	12.0	9.4	14.2
279	31.1	19.4	29.0#

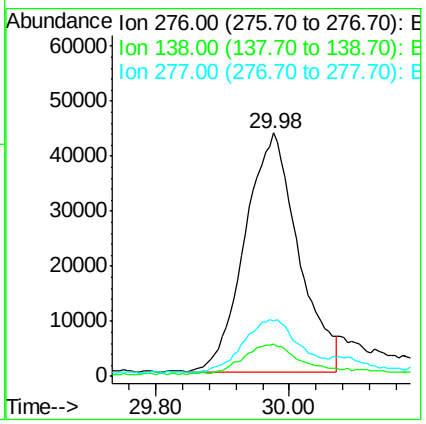




#94
Benzo(g,h,i)perylene
Concen: 27.72 ng/ul
RT: 29.98 min Scan# 4619
Delta R.T. 0.04 min
Lab File: BG020376.D
Acq: 21 Dec 2015 12:53

Tgt Ion:276 Resp: 241836

Ion	Ratio	Lower	Upper
276	100		
138	13.4	10.8	16.2
277	23.0	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
D9N54

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