Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Manual Integrations APPROVED
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Quant Time: Aug 10 17:28:38 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	158354	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.97	136	710944	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	495120	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1146942	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	1110669	20.00	ng/ul	0.00
83) Perylene-d12	25.26	264	1090334	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	6060	1.63	ng/uL	0.00
5) Phenol-d5	7.27	99	155853	9.77	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	355872	34.82	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	309318	28.42	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	237335	19.06	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	209757	37.43	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	240626	37.39	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	395129	32.55	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	56649	3.98	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	1344833	33.17	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1560818	34.21	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	73280	10.59	ng/ul	0.00
57) Fluorene-d10	15.78	176	1240786	33.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	261561	35.55	ng/ul	0.00
70) Anthracene-d10	17.65	188	1815609	35.14	ng/ul	0.00
76) Pyrene-d10	19.94	212	1921518	34.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	1838425	37.25	ng/ul	0.01
Target Compounds						Qvalue
16) 4-Methylphenol	8.89	108	22174	1.58	ng/ul	88
28) Naphthalene	11.06	128	14469038	400.87	ng/ul#	1
34) 2-Methylnaphthalene	12.61	142	4355394	148.83	ng/ul	95
40) 1,1'-Biphenyl	13.61	154	1450227	39.86	ng/ul	100
47) Acenaphthylene	14.50	152	1208025	25.32	ng/ul	98
49) Acenaphthene	14.85	153	3122464	96.04	ng/ul#	87
53) Dibenzofuran	15.19	168	3547038	73.62	ng/ul#	62
58) Fluorene	15.84	166	2724463	67.88	ng/ul#	97
69) Phenanthrene	17.59	178	3982851m	67.05	ng/ul	
71) Anthracene	17.68	178	610111	10.07	ng/ul	98
72) Carbazole	17.96	167	4170723	85.40	ng/ul#	68
74) Fluoranthene	19.60	202	1238406	20.37	ng/ul#	93
77) Pyrene	19.97	202	811652	11.82	ng/ul#	91
80) Benzo(a)anthracene	21.85	228	134157	2.14	ng/ul	97
82) Chrysene	21.91	228	85074m	1.50	ng/ul	

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

Quantitation Report (QT/LSC Reviewed)

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC7Z1RE

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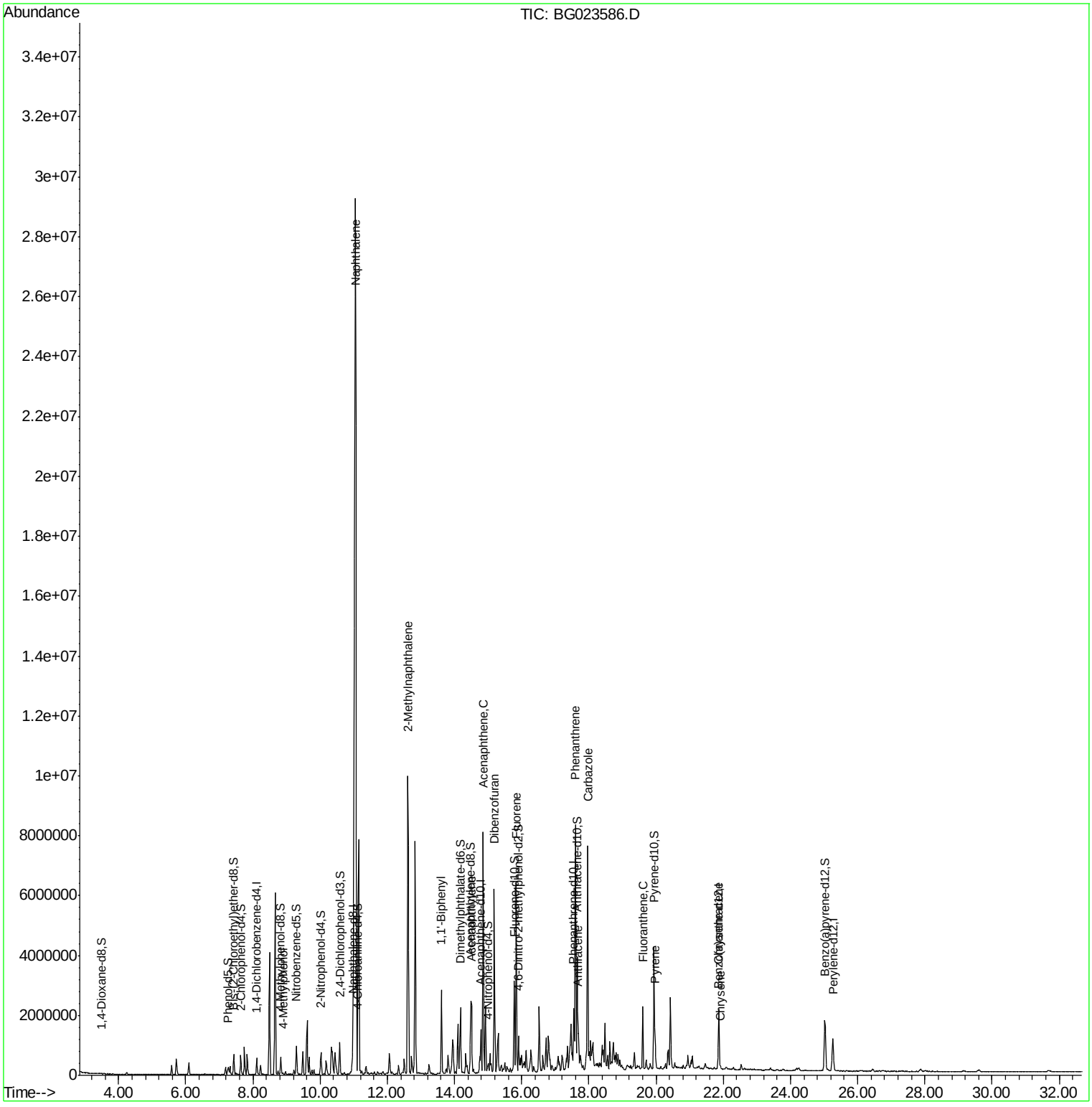
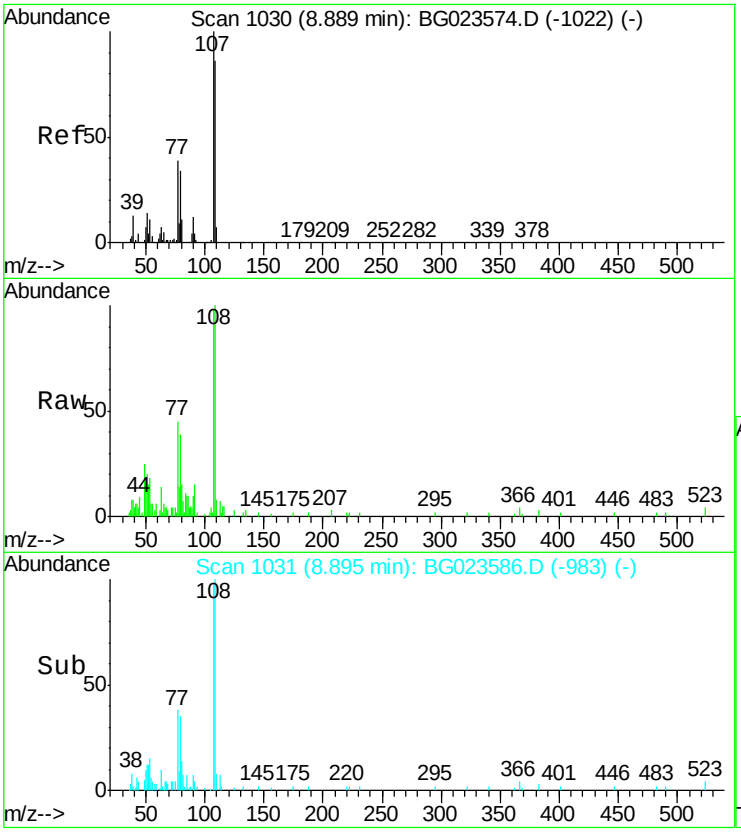
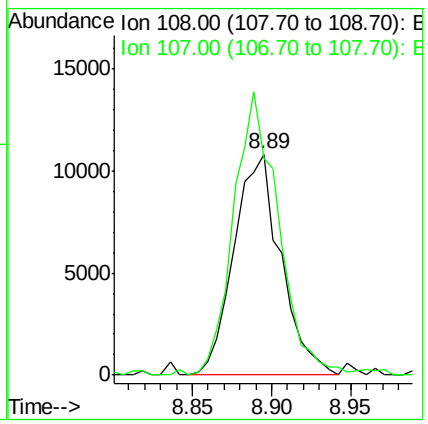




#16
4-Methylphenol
Concen: 1.58 ng/ul
RT: 8.89 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:108 Resp: 22174

Ion	Ratio	Lower	Upper
108	100		
107	97.9	88.3	132.5



Instrument :
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ClientSampleId :
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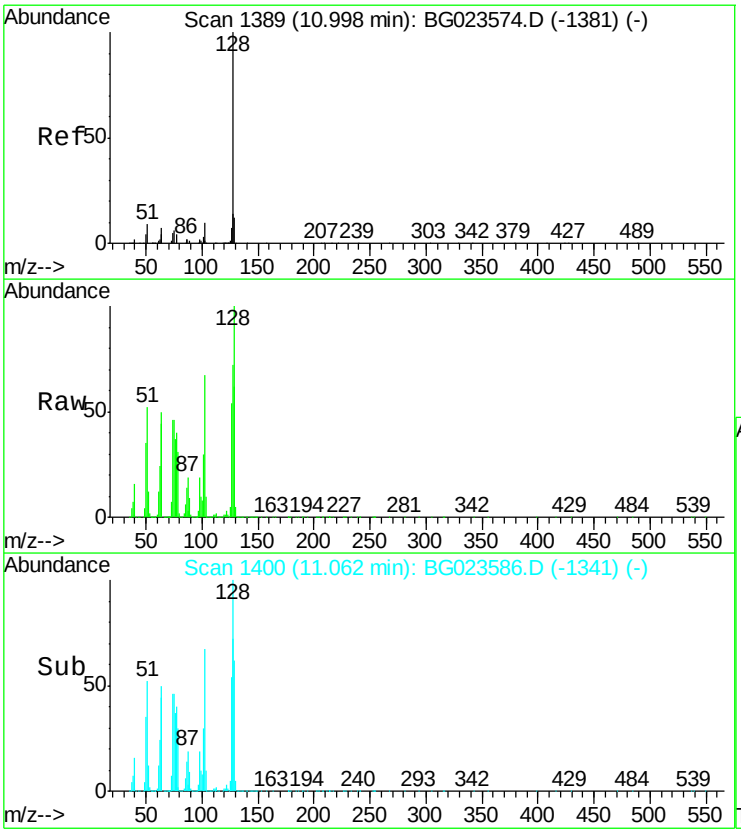
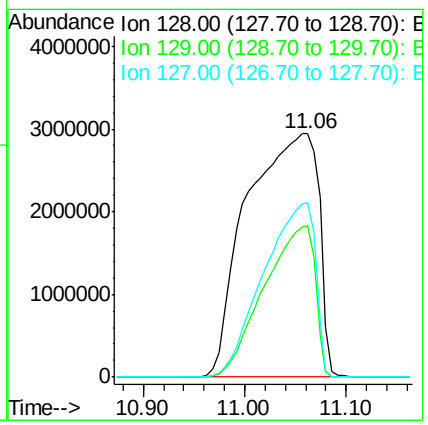
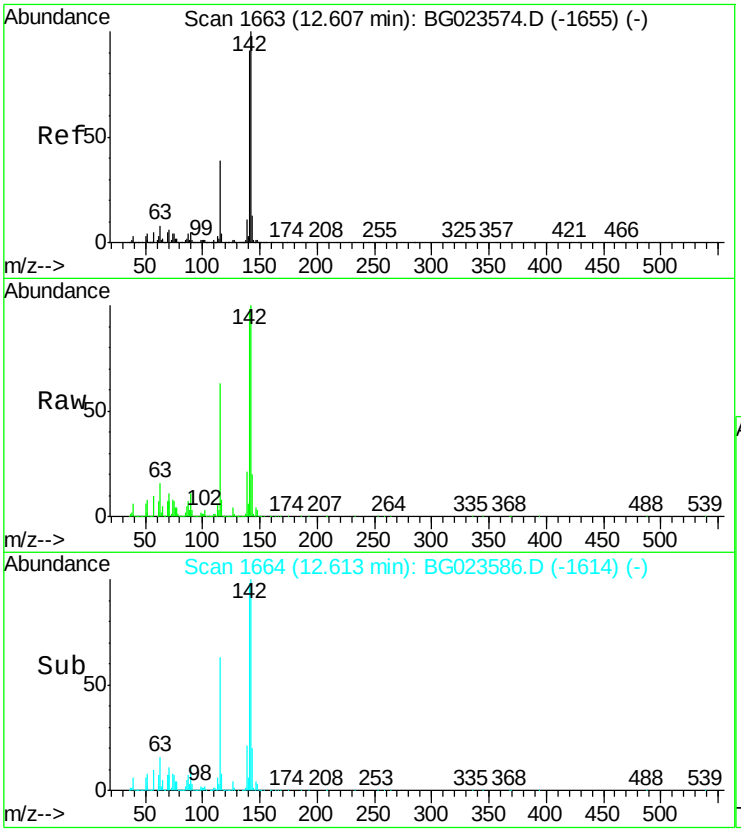


#28
Naphthalene
Concen: 400.87 ng/ul
RT: 11.06 min Scan# 1400
Delta R.T. 0.05 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:128 Resp:14469038

Ion	Ratio	Lower	Upper
128	100		
129	62.0	9.4	14.2#
127	71.6	11.2	16.8#





#34
2-Methylnaphthalene
Concen: 148.83 ng/ul
RT: 12.61 min Scan# 1664
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:142 Resp: 4355394

Ion	Ratio	Lower	Upper
142	100		
141	98.4	75.2	112.8

Instrument :
BNA_G
ClientSampleId :
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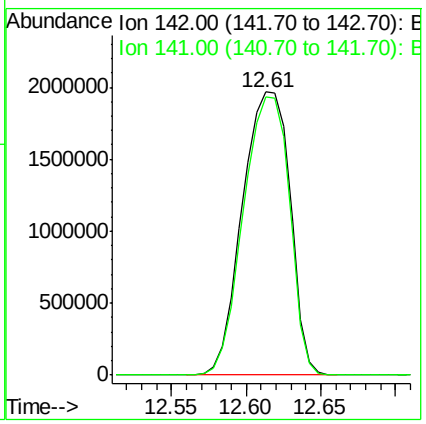
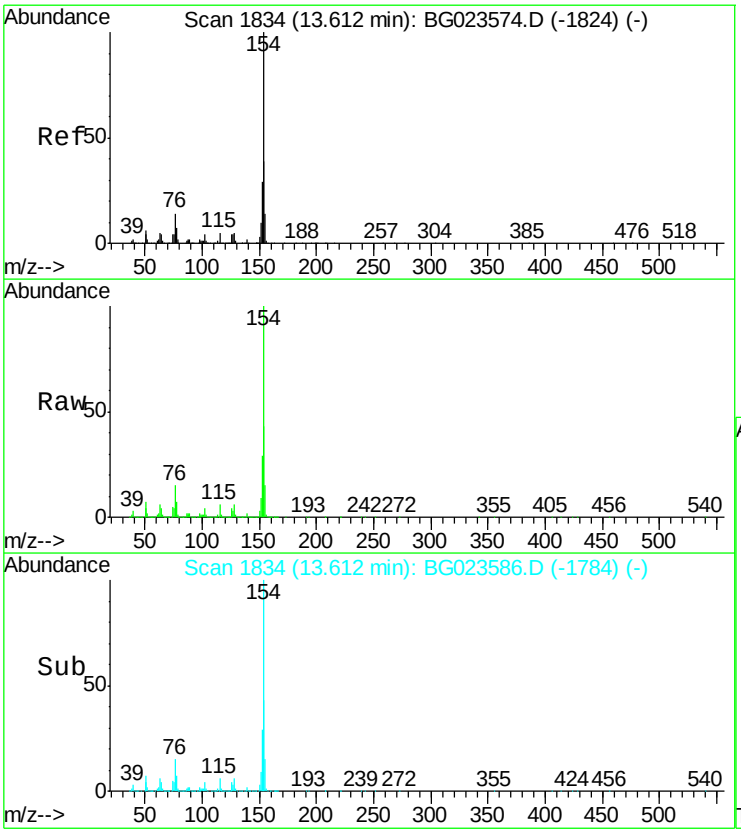
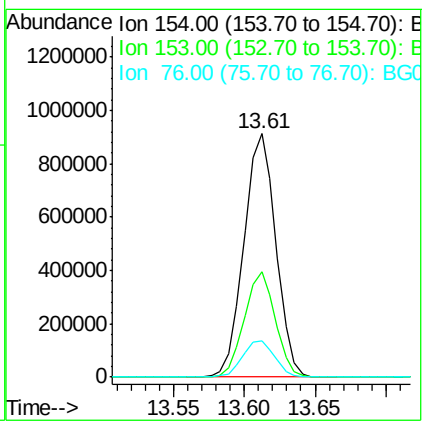


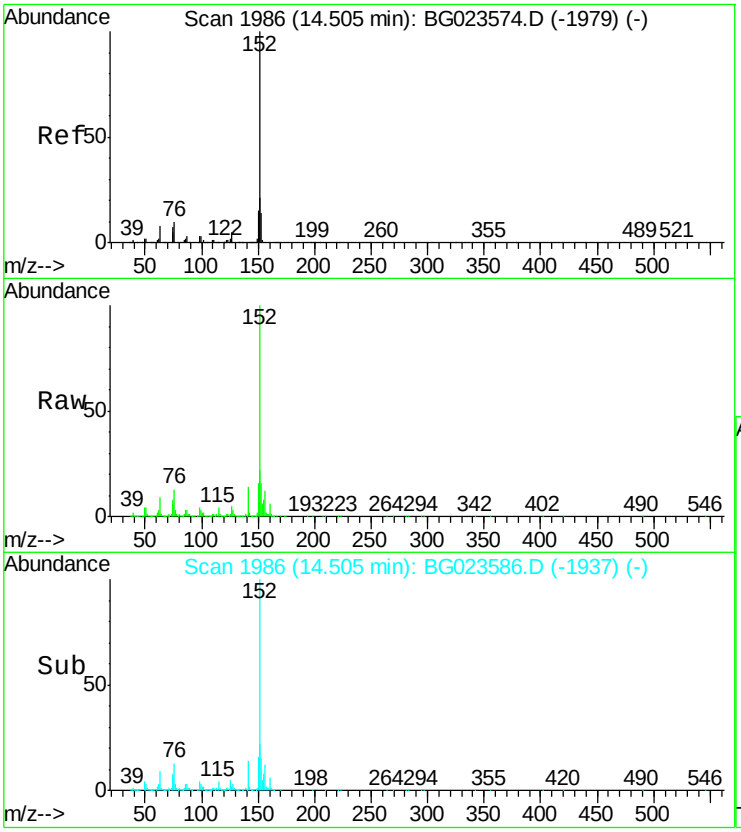


#40
1,1'-Biphenyl
Concen: 39.86 ng/ul
RT: 13.61 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:154 Resp: 1450227

Ion	Ratio	Lower	Upper
154	100		
153	43.3	34.6	52.0
76	15.1	11.9	17.9

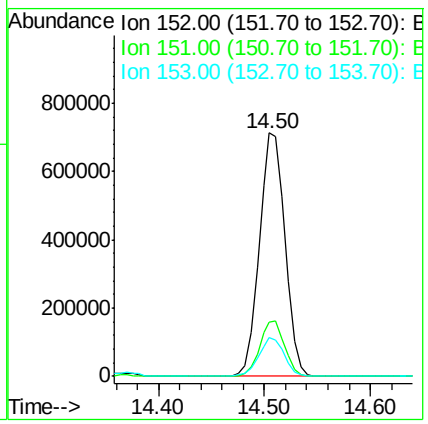




#47
Acenaphthylene
Concen: 25.32 ng/ul
RT: 14.50 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:152 Resp: 1208025

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.5	26.3
153	15.8	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
BC7Z1RE

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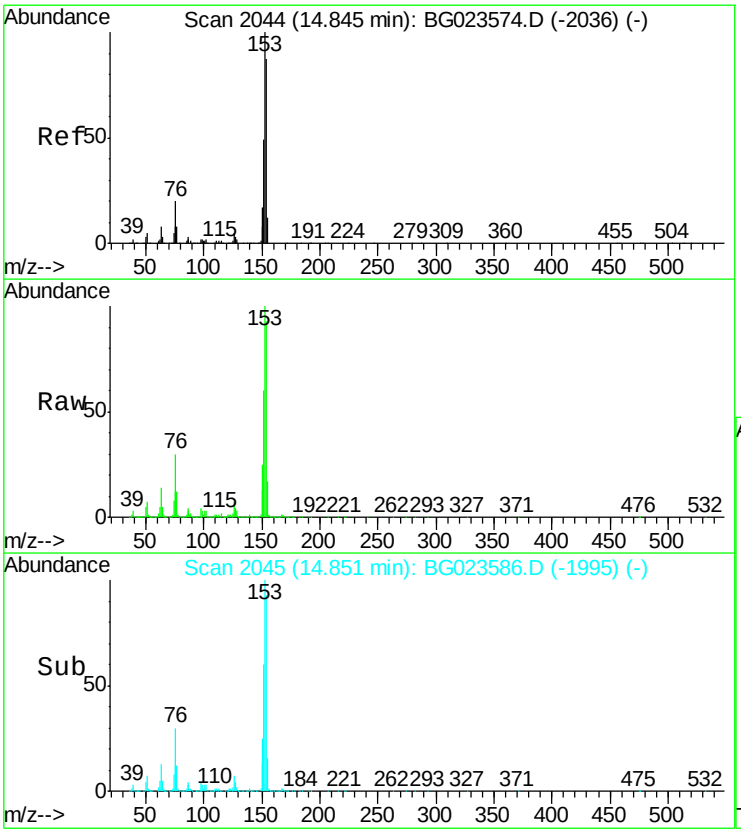
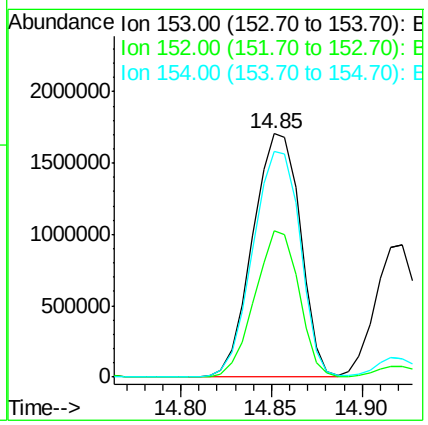
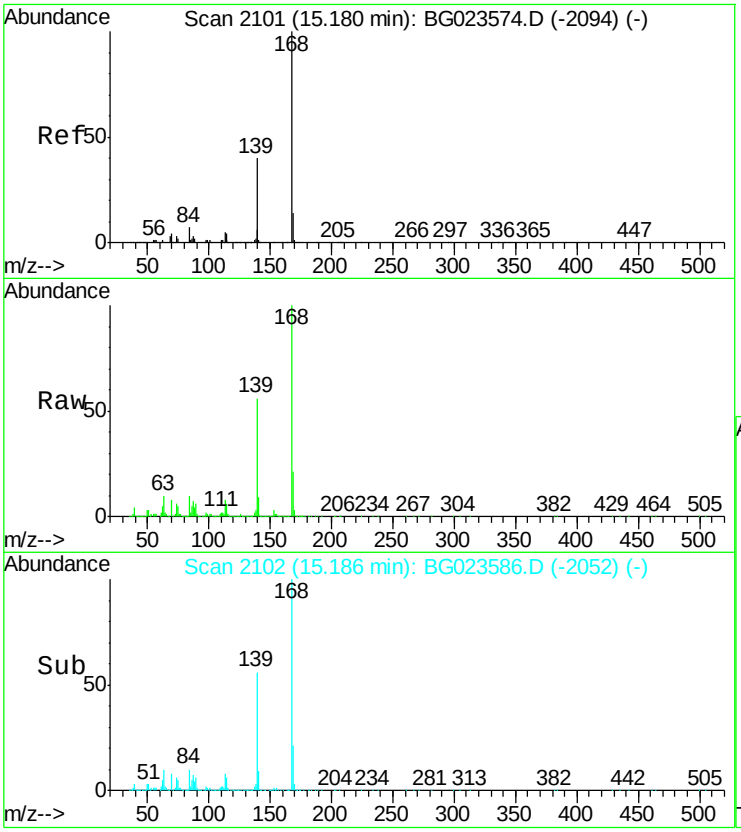


#49
Acenaphthene
Concen: 96.04 ng/ul
RT: 14.85 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:153 Resp: 3122464

Ion	Ratio	Lower	Upper
153	100		
152	60.1	37.3	55.9#
154	92.8	68.2	102.2

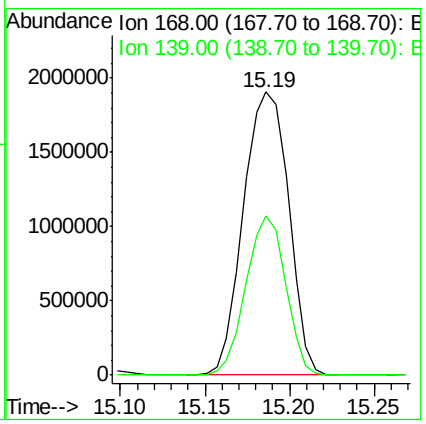




#53
Dibenzofuran
Concen: 73.62 ng/ul
RT: 15.19 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:168 Resp: 3547038

Ion	Ratio	Lower	Upper
168	100		
139	56.1	27.4	41.0#



Instrument :
BNA_G
ClientSampleId :
BC7Z1RE

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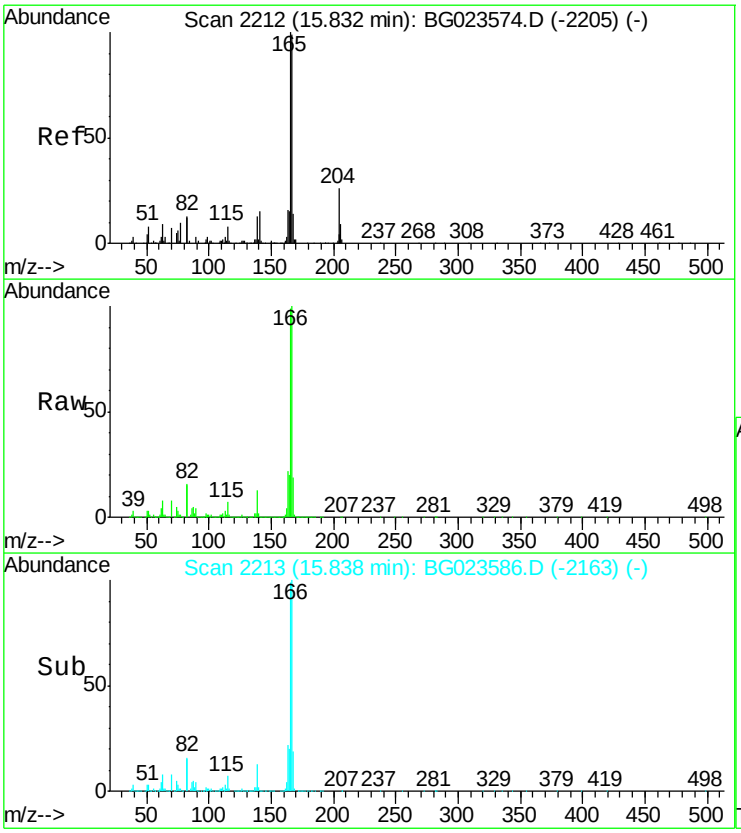
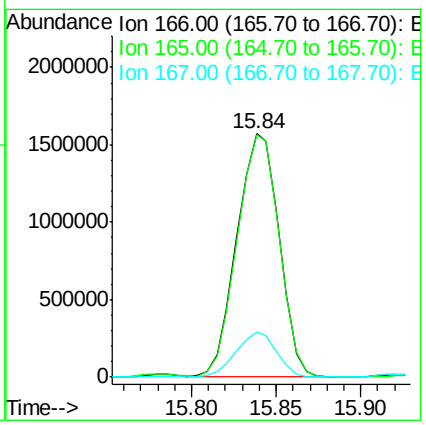
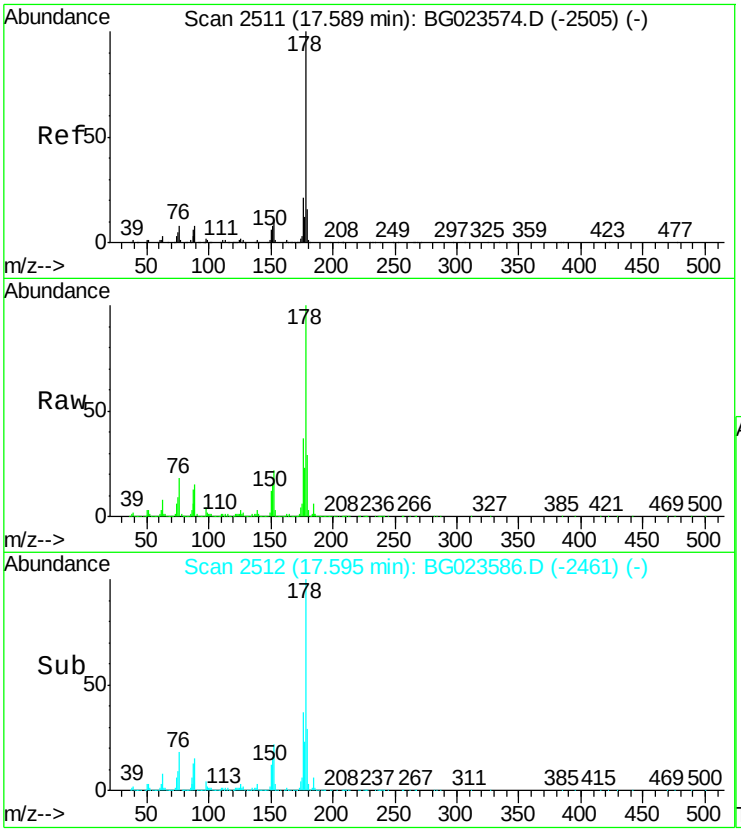


#58
Fluorene
Concen: 67.88 ng/ul
RT: 15.84 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:166 Resp: 2724463

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.3	120.5
167	18.6	10.3	15.5#

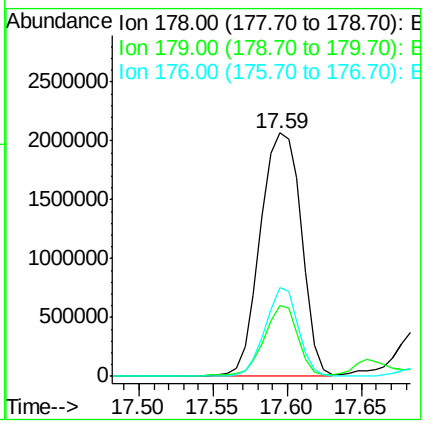




#69
Phenanthrene
Concen: 67.05 ng/ul m
RT: 17.59 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:178 Resp: 3982851

Ion	Ratio	Lower	Upper
178	100		
179	29.3	12.9	19.3#
176	36.7	15.8	23.8#



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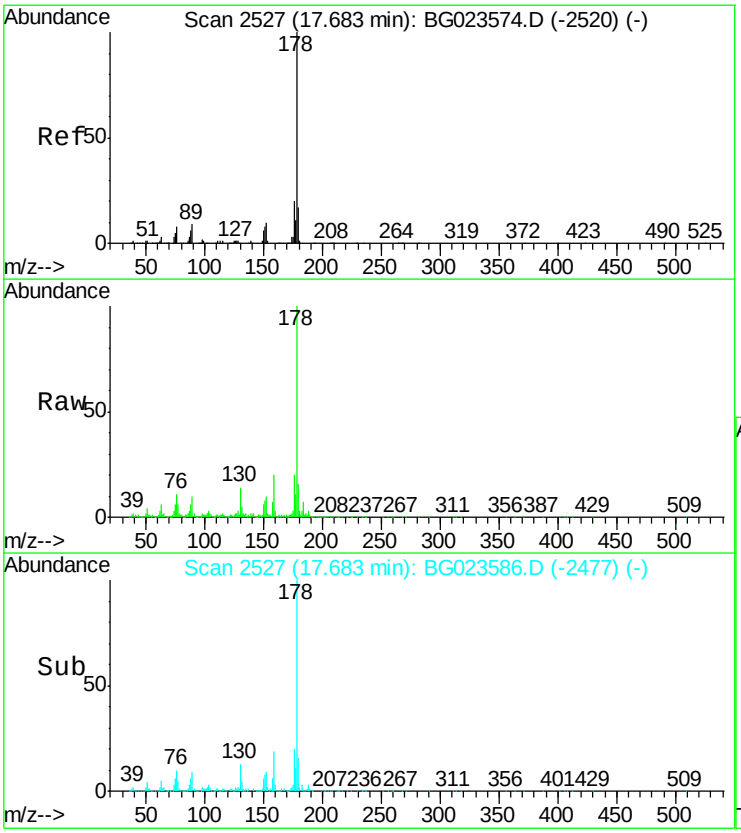
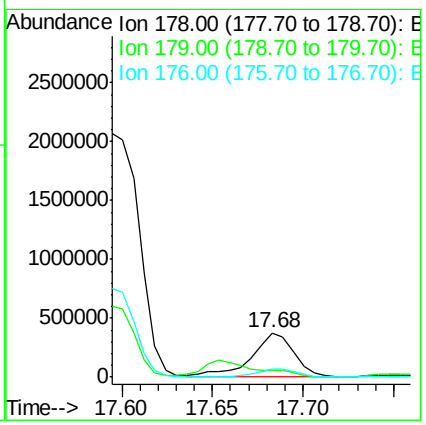
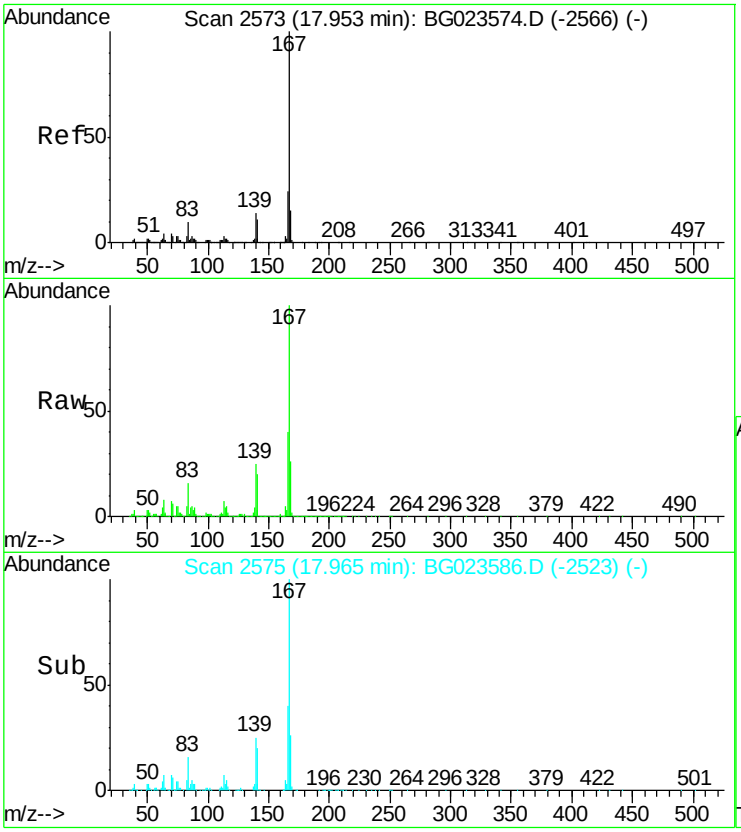


#71
Anthracene
Concen: 10.07 ng/ul
RT: 17.68 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:178 Resp: 610111

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.6	16.3	24.5

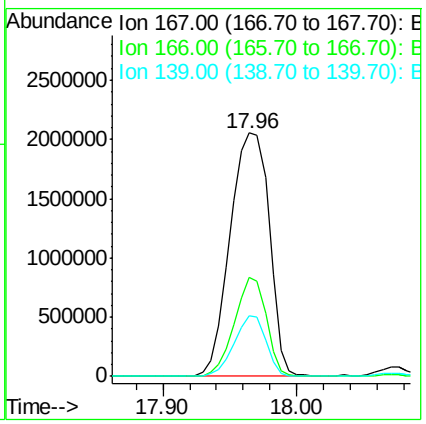




#72
Carbazole
Concen: 85.40 ng/ul
RT: 17.96 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:167 Resp: 4170723

Ion	Ratio	Lower	Upper
167	100		
166	40.4	19.2	28.8#
139	25.1	10.2	15.4#



Instrument :
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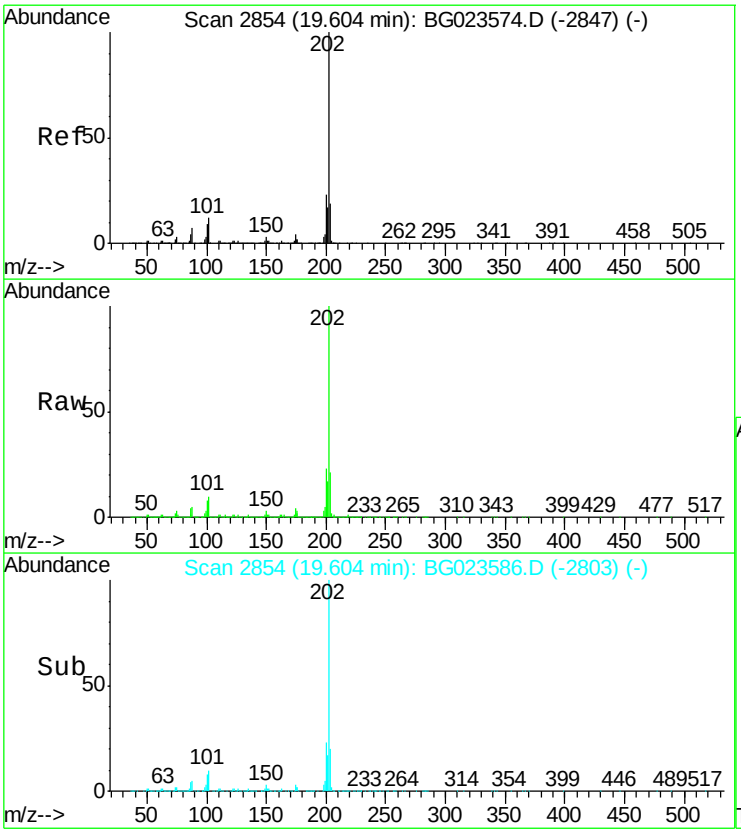
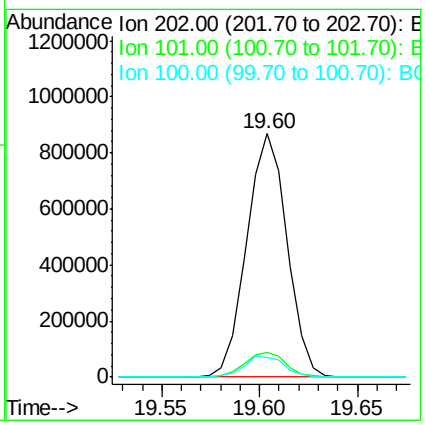
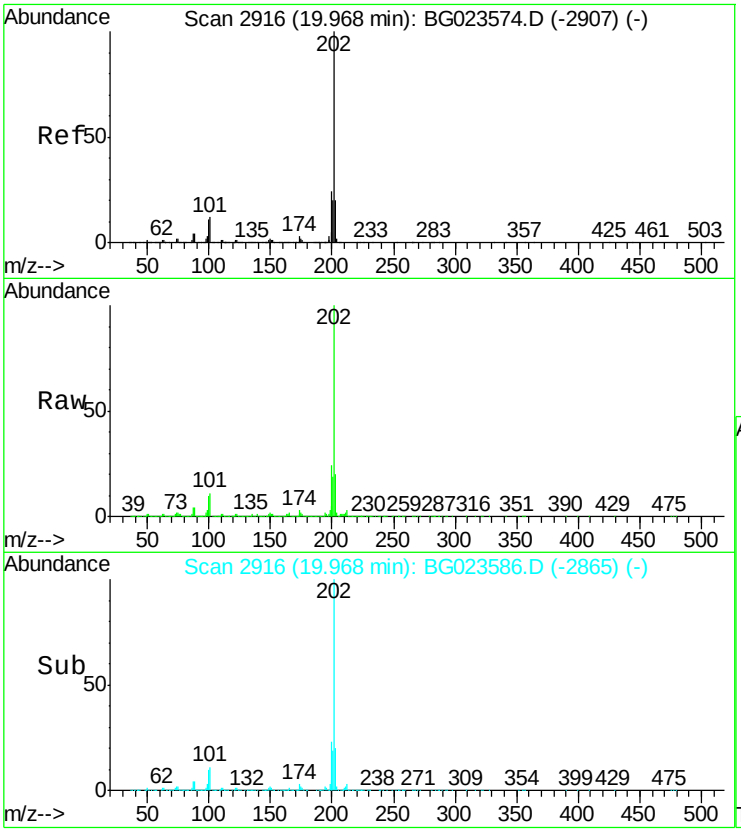


#74
Fluoranthene
Concen: 20.37 ng/ul
RT: 19.60 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:202 Resp: 1238406

Ion	Ratio	Lower	Upper
202	100		
101	10.4	10.6	16.0#
100	8.2	8.7	13.1#

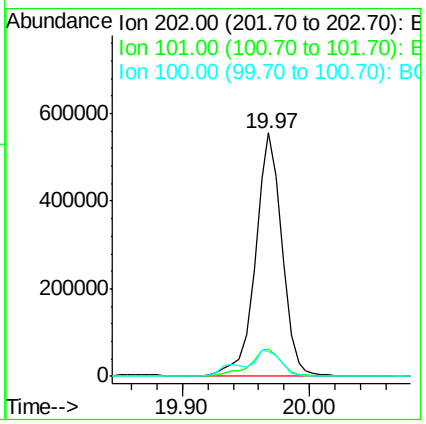




#77
Pyrene
Concen: 11.82 ng/ul
RT: 19.97 min Scan# 2916
Delta R.T. 0.00 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:202 Resp: 811652

Ion	Ratio	Lower	Upper
202	100		
101	11.2	12.5	18.7#
100	10.0	10.2	15.4#



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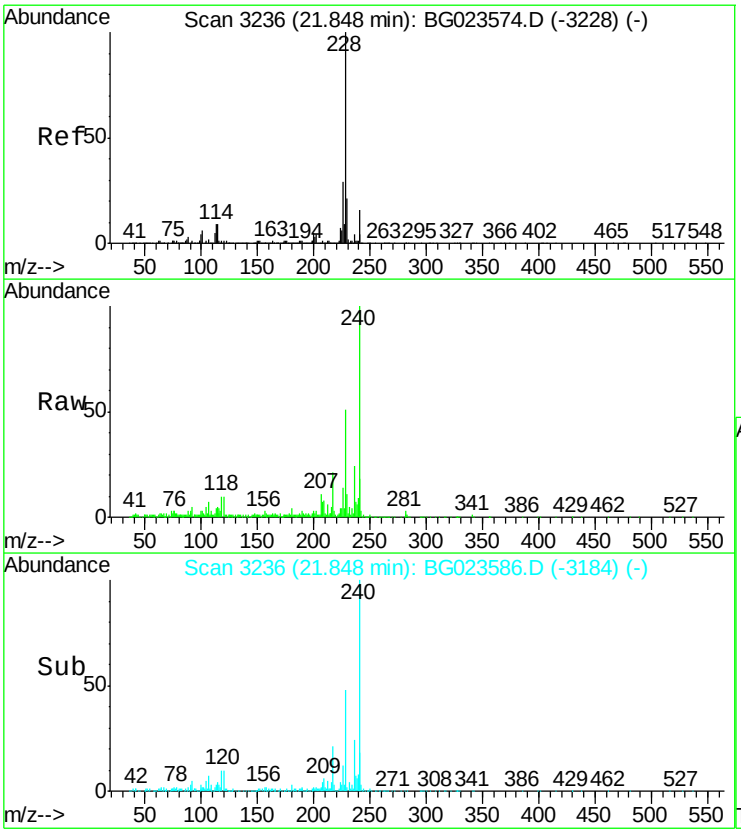
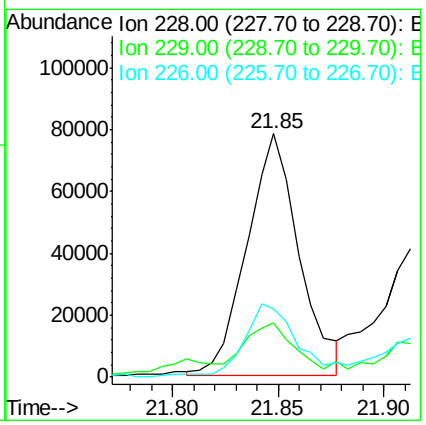
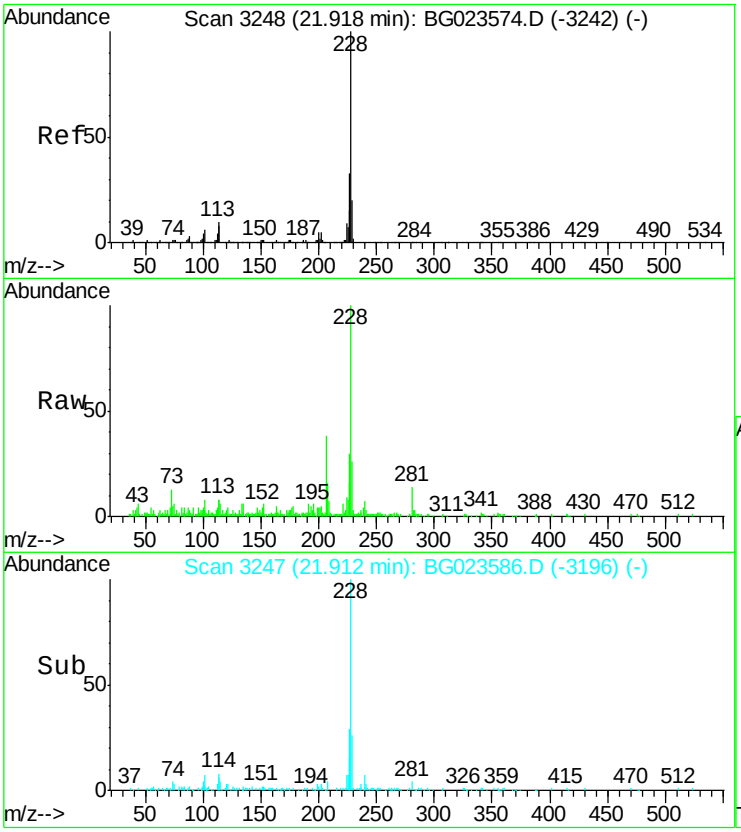


#80
Benzo(a)anthracene
Concen: 2.14 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. 0.01 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:228 Resp: 134157

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.4	23.2
226	28.3	22.8	34.2

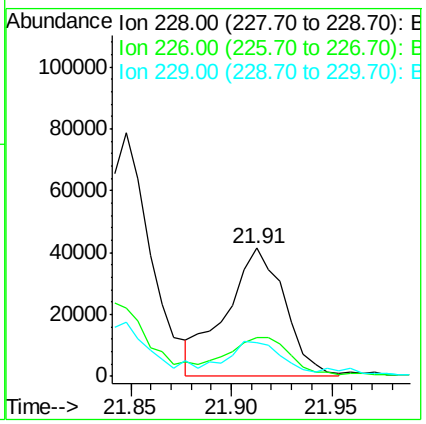




#82
Chrysene
Concen: 1.50 ng/ul m
RT: 21.91 min Scan# 3247
Delta R.T. 0.00 min
Lab File: BG023586.D
Acq: 10 Aug 2016 10:05

Tgt Ion:228 Resp: 85074

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.4
229	26.4	15.0	22.6#



Instrument :
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ClientSampleId :
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