Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

Manual Integrations APPROVED
apatel
12/22/2015 2:13:41 PM

Quant Time: Dec 20 05:30:53 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	19215	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	83279	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	61662	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	154605	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	199828	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	188740	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	2058	5.91	ng/uL	0.00
5) Phenol-d5	7.24	99	49466	29.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	33372	33.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	40713	33.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	43751	30.19	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22801	35.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	25842	35.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	48736	33.31	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	63207	38.45	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	170603	34.21	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	199571	34.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	26966	30.15	ng/ul	0.00
58) Fluorene-d10	15.71	176	153451	33.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	26281	28.67	ng/ul	0.00
71) Anthracene-d10	17.57	188	244110	34.27	ng/ul	0.00
79) Pyrene-d10	19.85	212	295987	31.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	342309	36.36	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.96	128	378691	87.08	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	118691	35.73	ng/ul	99
35) 1-Methylnaphthalene	12.77	142	56635	17.73	ng/ul#	98
41) 1,1'-Biphenyl	13.56	154	45580	9.80	ng/ul	97
45) Dimethylphthalate	14.17	163	43071	8.46	ng/ul	97
48) Acenaphthylene	14.44	152	13166	2.14	ng/ul#	95
50) Acenaphthene	14.79	153	210038	50.64	ng/ul	99
54) Dibenzofuran	15.12	168	216857	35.14	ng/ul	99
59) Fluorene	15.77	166	203088	40.99	ng/ul	99
70) Phenanthrene	17.52	178	927122	109.63	ng/ul	97
72) Anthracene	17.60	178	91103	10.62	ng/ul	99
75) Carbazole	17.87	167	60446	8.39	ng/ul	99
77) Fluoranthene	19.51	202	572761	57.95	ng/ul	99
80) Pyrene	19.88	202	385814	31.90	ng/ul	99
83) Benzo(a)anthracene	21.72	228	93328	8.00	ng/ul	98
85) Chrysene	21.79	228	76580	6.97	ng/ul	99
88) Benzo(b)fluoranthene	23.97	252	41401	3.64	ng/ul	98
89) Benzo(k)fluoranthene	24.03	252	14357m	1.32	ng/ul	
91) Benzo(a)pyrene	24.85	252	23279	2.16	ng/ul#	97

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

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Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N71

Manual Integrations APPROVED
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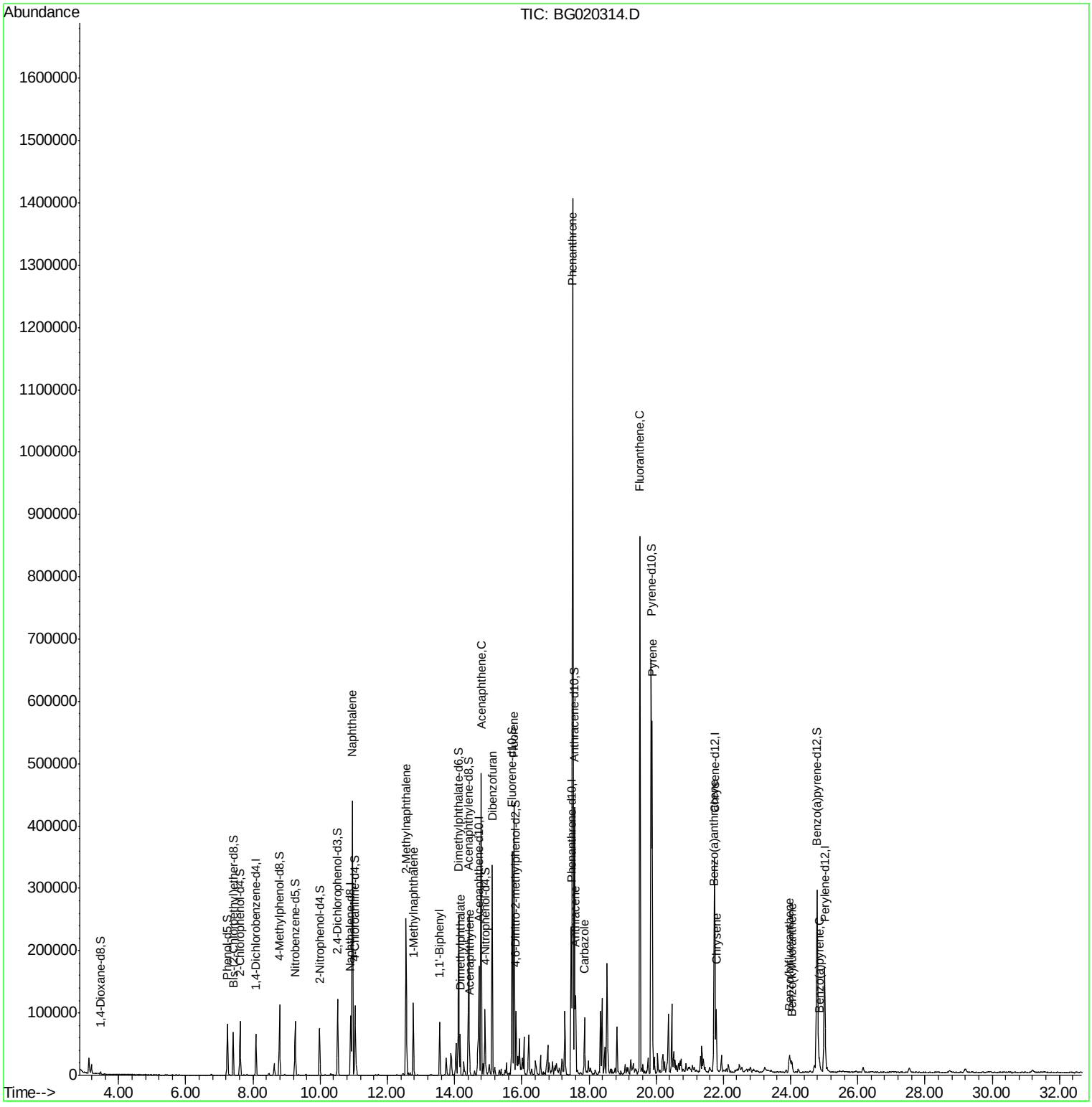

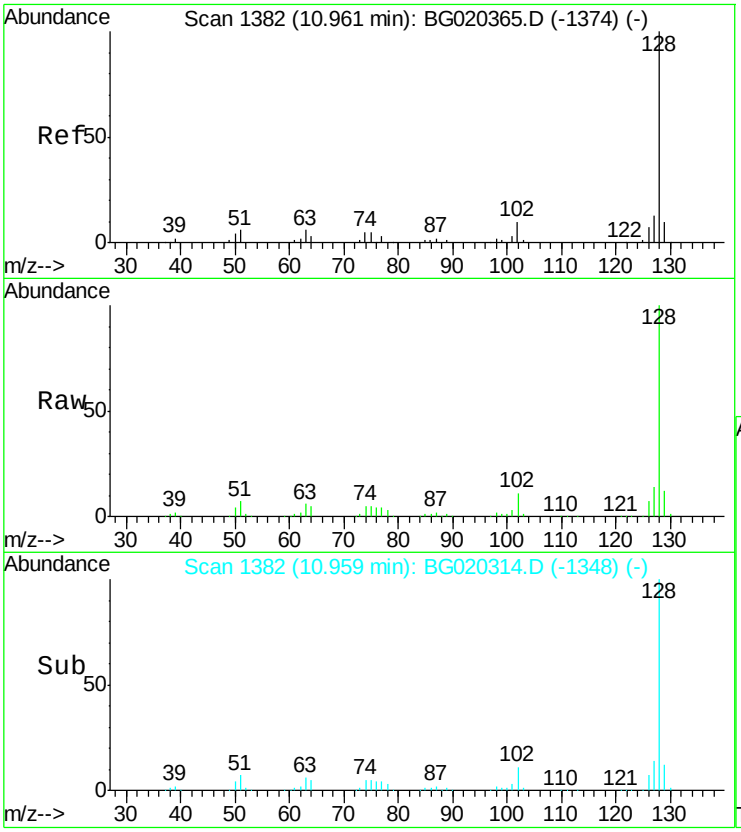

#28
Naphthalene
Concen: 87.08 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:128 Resp: 378691

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	12.8
127	14.0	10.1	15.1

Instrument :
BNA_G
ClientSampleId :
D9N71

Manual Integrations APPROVED
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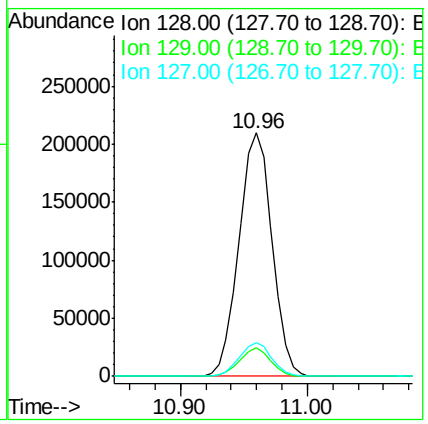
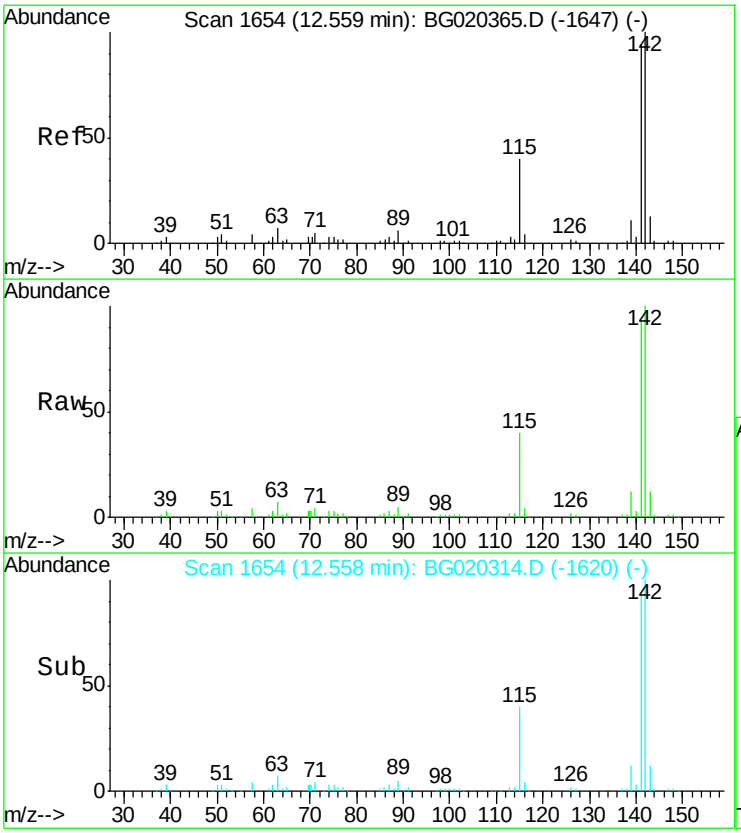
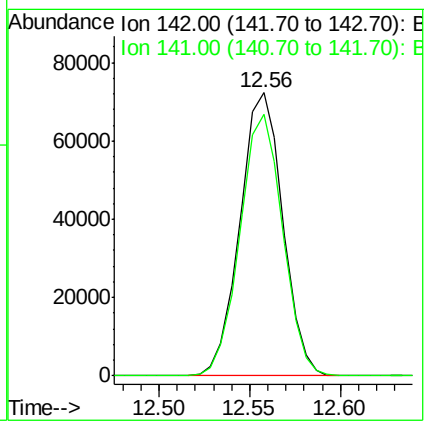


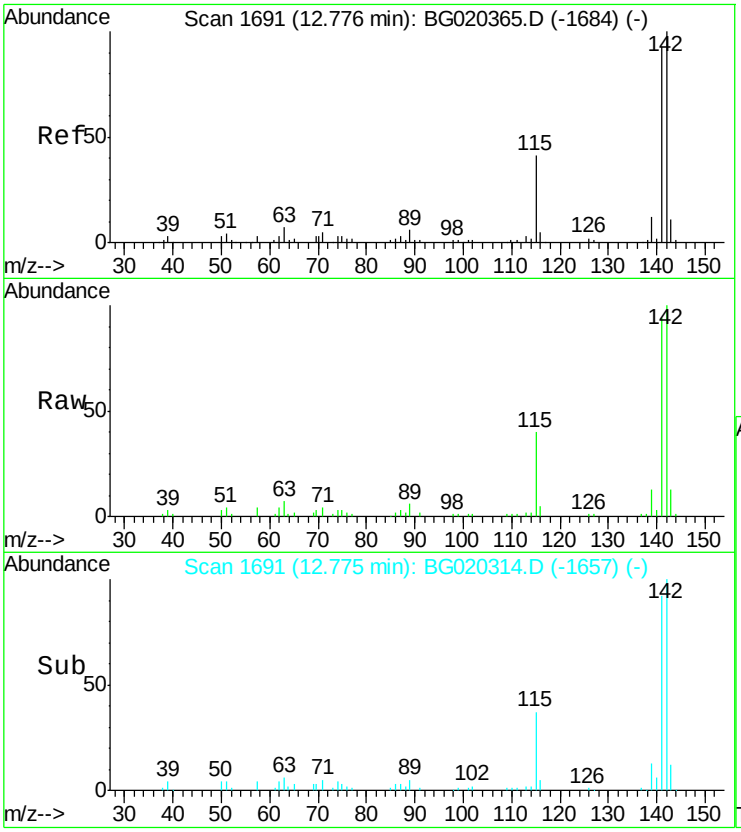


#34
2-Methylnaphthalene
Concen: 35.73 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:142 Resp: 118691

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.9	112.3





#35
1-Methylnaphthalene
Concen: 17.73 ng/ul
RT: 12.77 min Scan# 1691
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:142 Resp: 56635

Ion	Ratio	Lower	Upper
142	100		
141	93.6	73.0	109.6
116	4.8	3.0	4.6#

Instrument :
BNA_G
ClientSampleId :
D9N71

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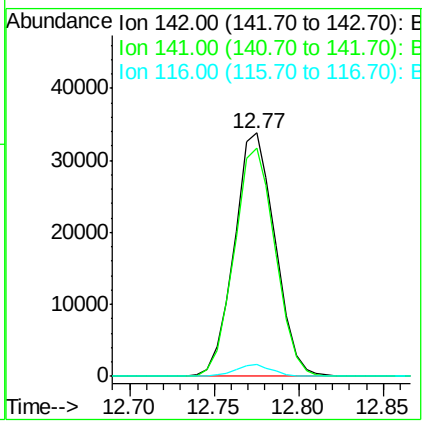
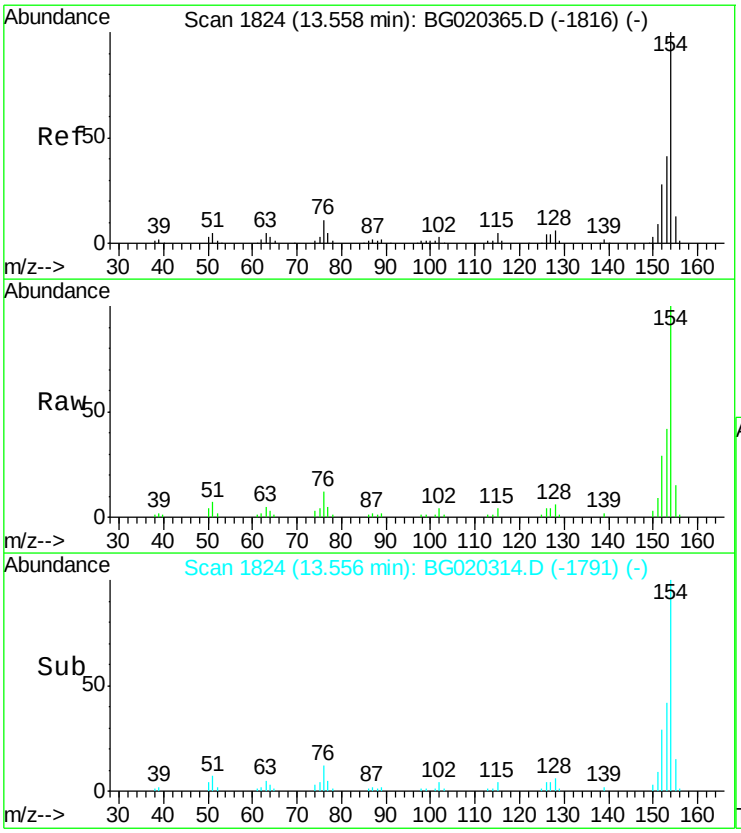
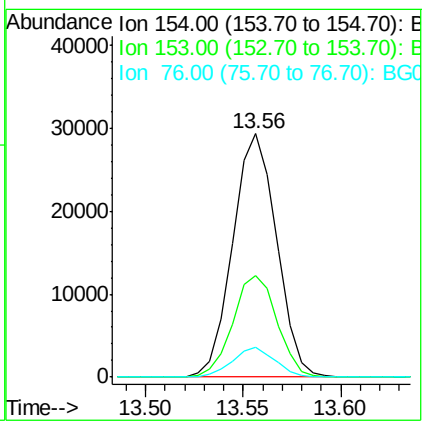


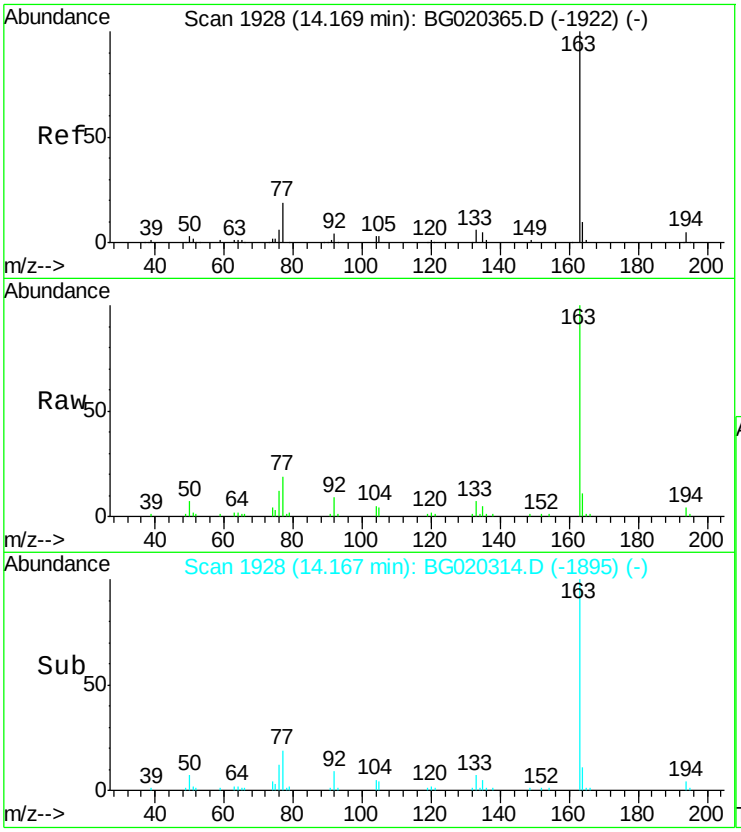


#41
1,1'-Biphenyl
Concen: 9.80 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:154 Resp: 45580

Ion	Ratio	Lower	Upper
154	100		
153	41.8	35.5	53.3
76	12.3	10.4	15.6

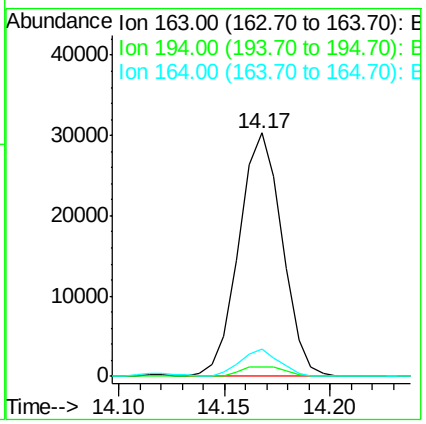




#45
Dimethylphthalate
Concen: 8.46 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:163 Resp: 43071

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	11.2	7.7	11.5



Instrument :
BNA_G
ClientSampleId :
D9N71

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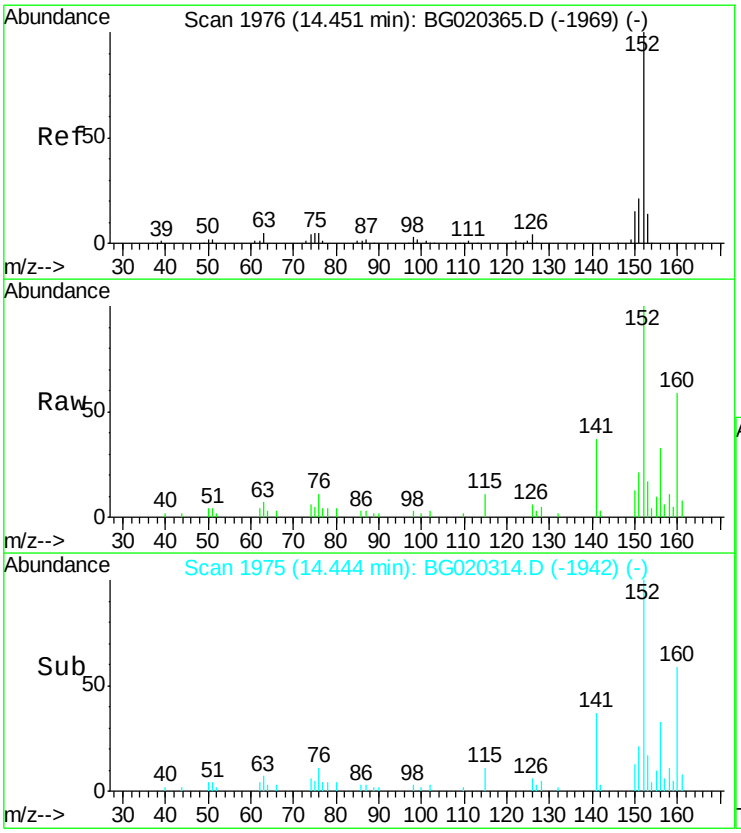
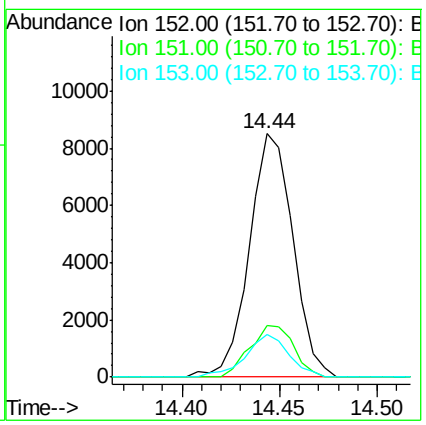
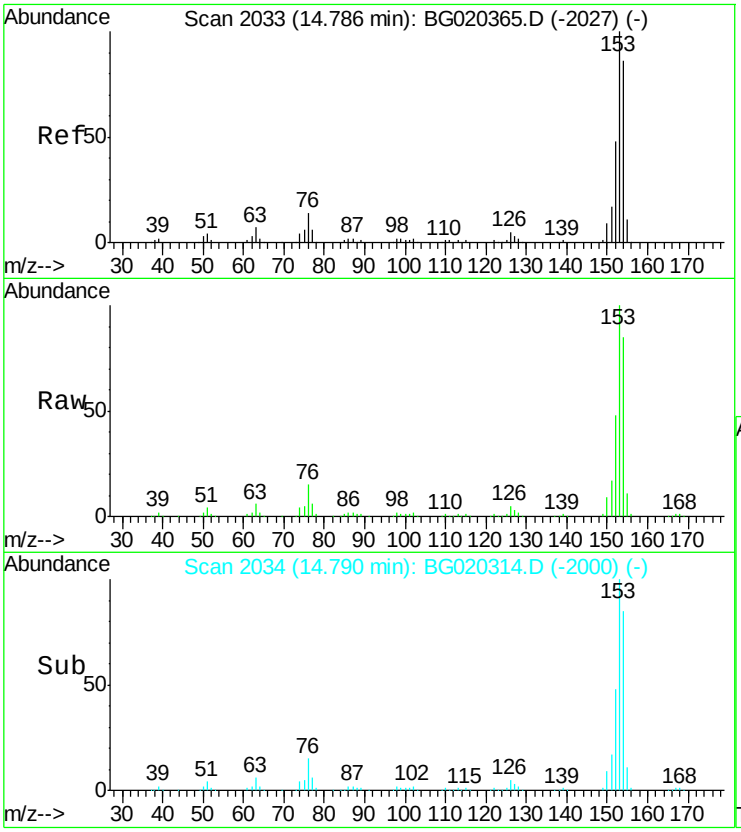


#48
Acenaphthylene
Concen: 2.14 ng/ul
RT: 14.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:152 Resp: 13166

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.4	24.6
153	17.4	10.4	15.6#

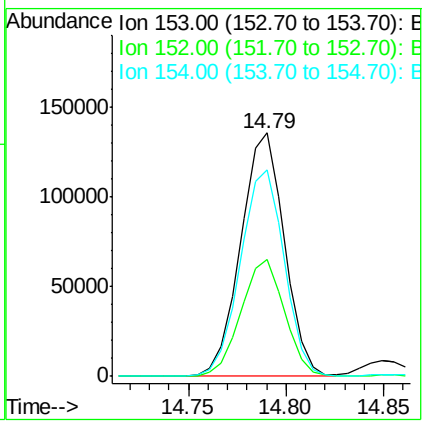




#50
Acenaphthene
Concen: 50.64 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:153 Resp: 210038

Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.6	56.4
154	84.8	67.9	101.9



Instrument :
BNA_G
ClientSampleId :
D9N71

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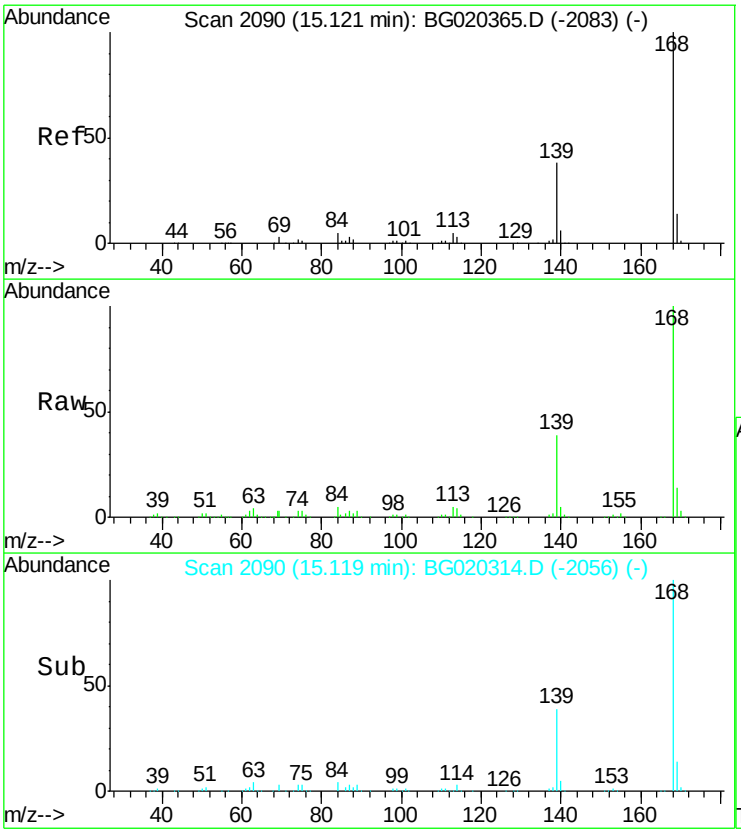
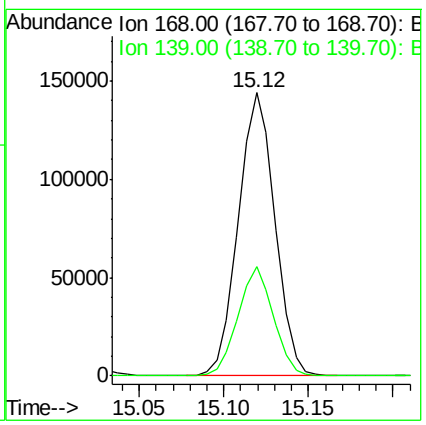
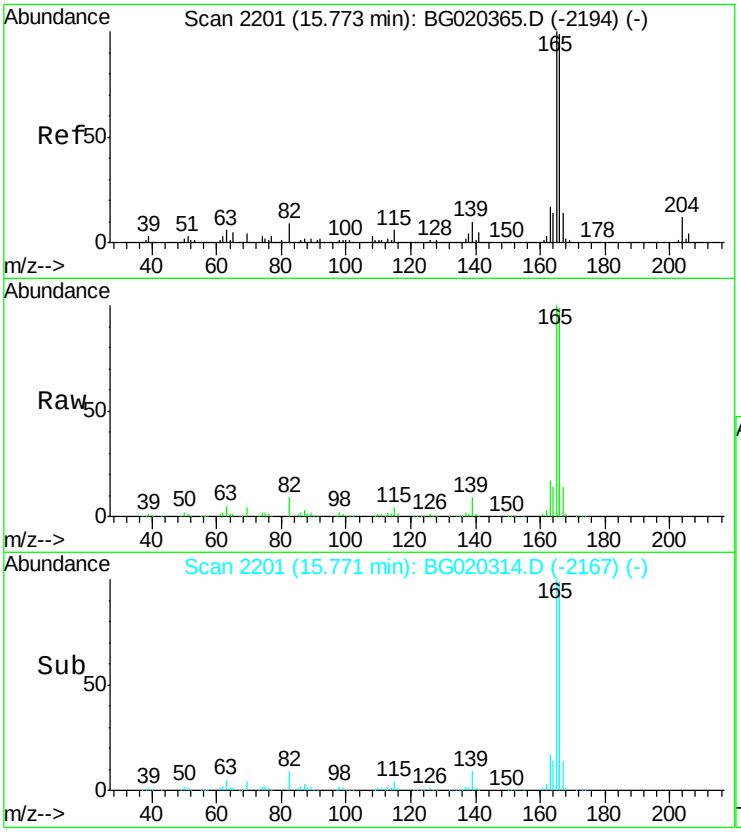


#54
Dibenzofuran
Concen: 35.14 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:168 Resp: 216857

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.5	45.7

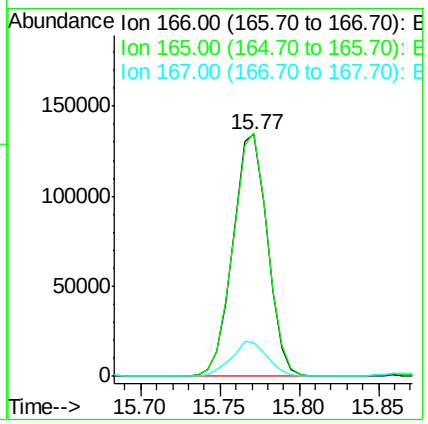




#59
Fluorene
Concen: 40.99 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:166 Resp: 203088

Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.4	122.0
167	13.8	11.2	16.8



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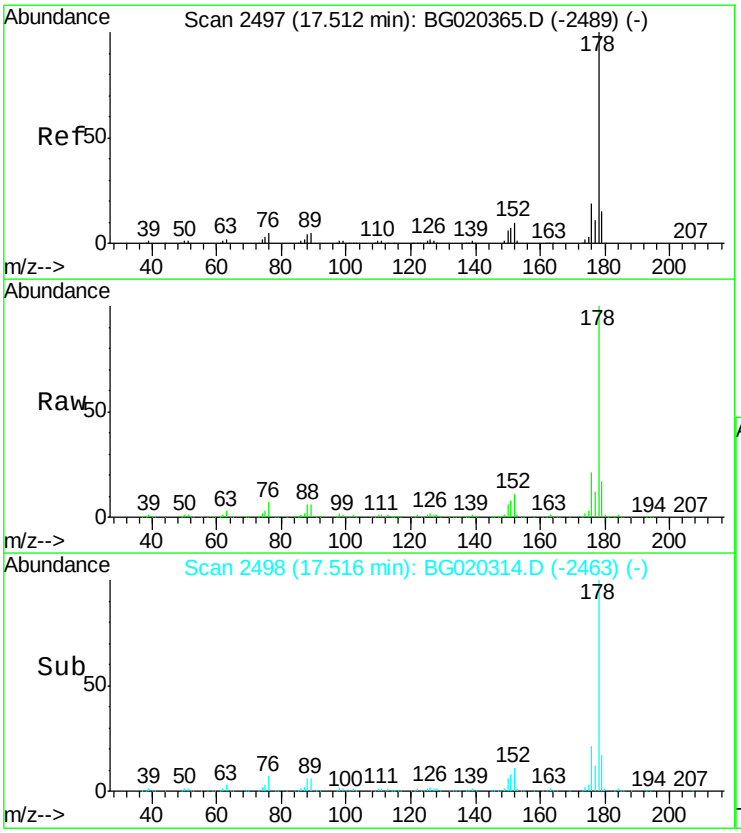
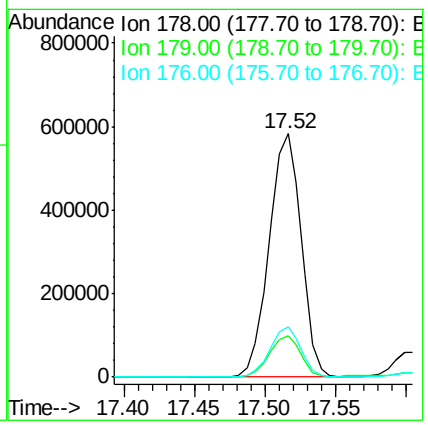
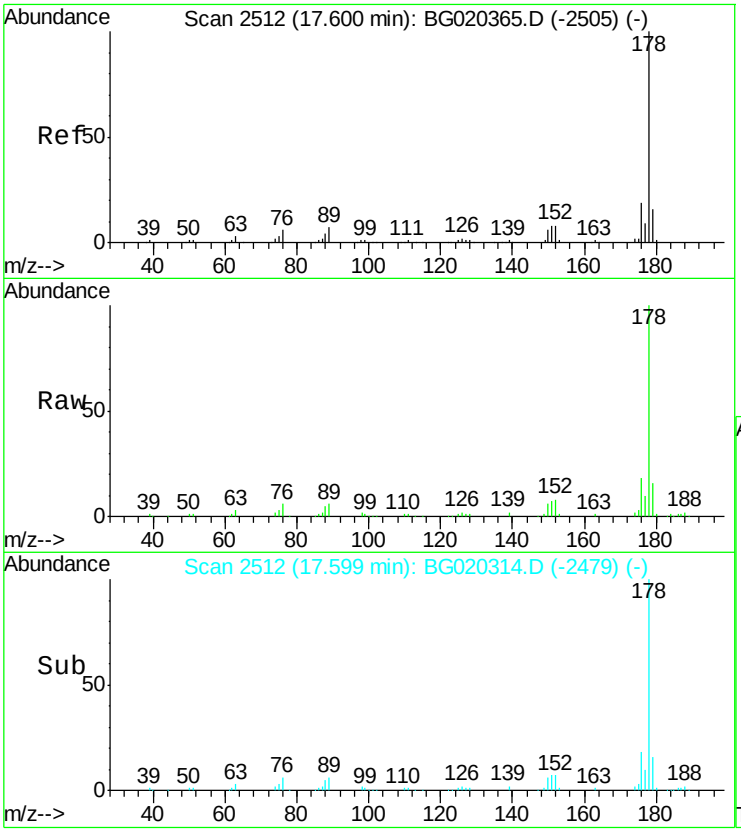


#70
Phenanthrene
Concen: 109.63 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:178 Resp: 927122

Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.9	19.3
176	20.8	15.3	22.9

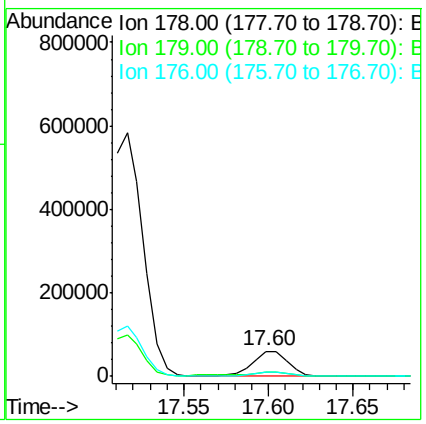




#72
Anthracene
Concen: 10.62 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:178 Resp: 91103

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	17.9	14.3	21.5



Instrument :
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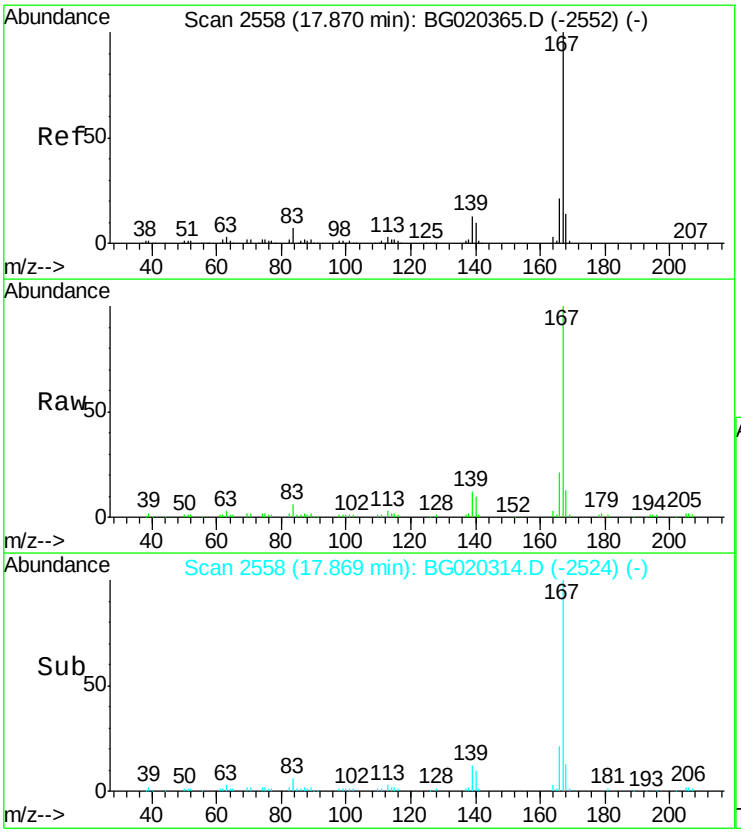
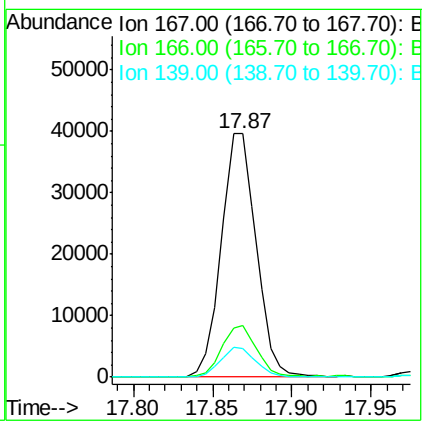
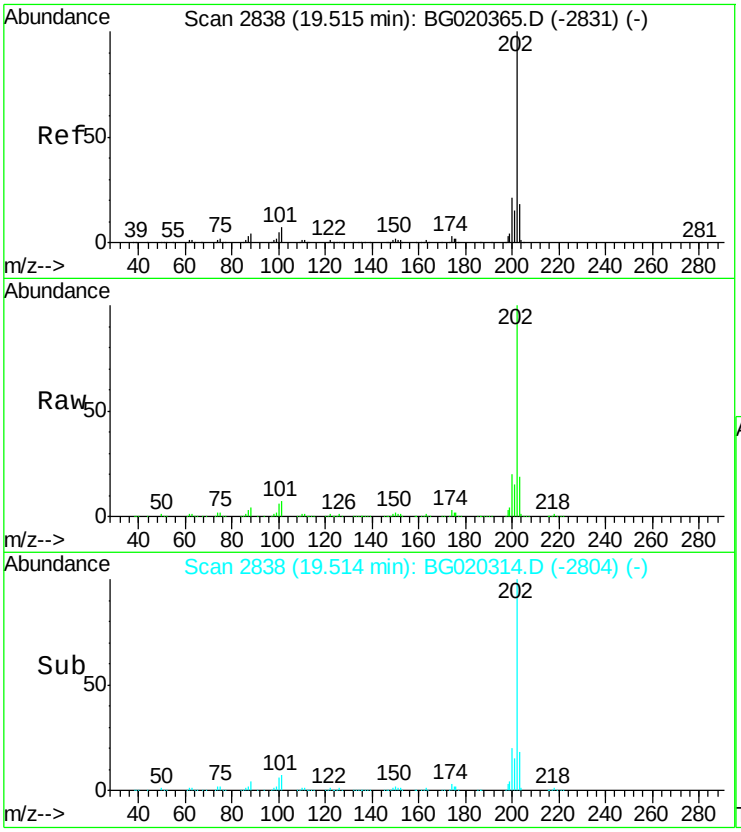


#75
Carbazole
Concen: 8.39 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:167 Resp: 60446

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	11.7	10.1	15.1

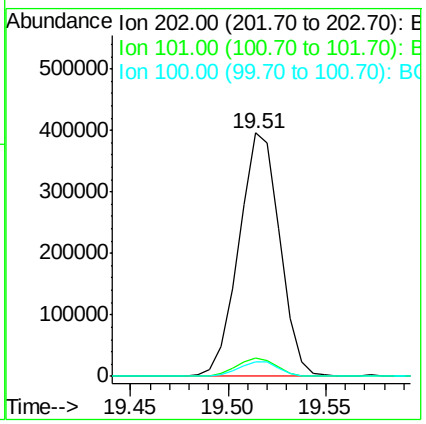




#77
Fluoranthene
Concen: 57.95 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:202 Resp: 572761

Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.2	9.4
100	5.8	5.1	7.7



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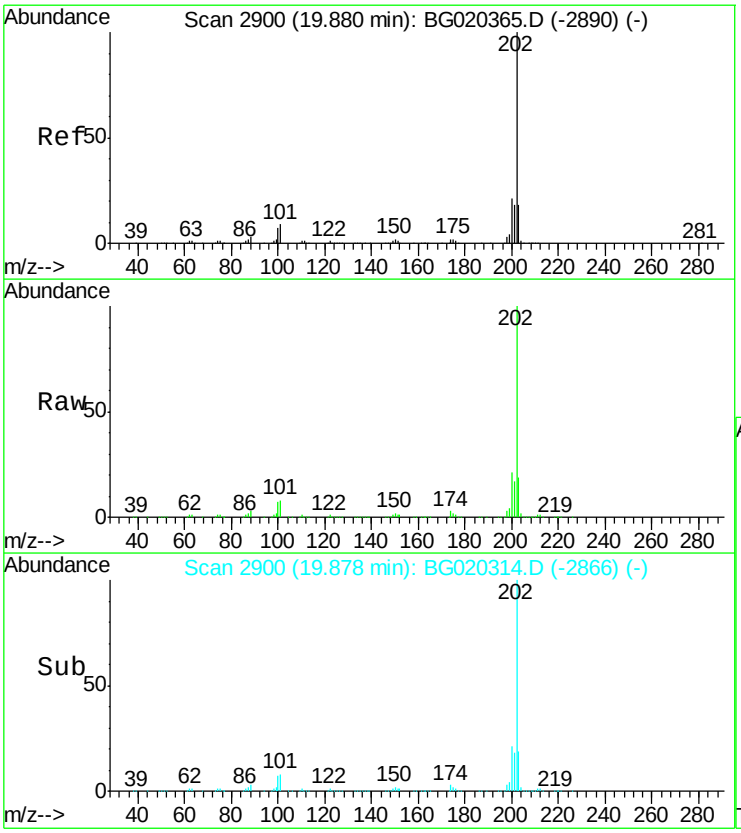
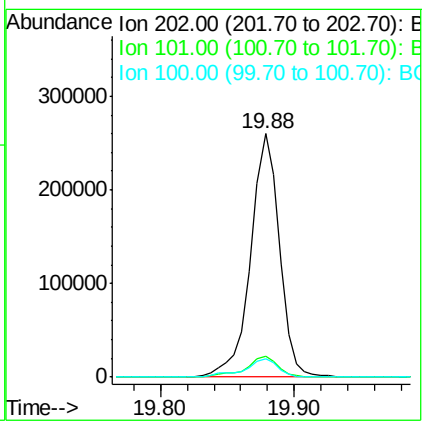
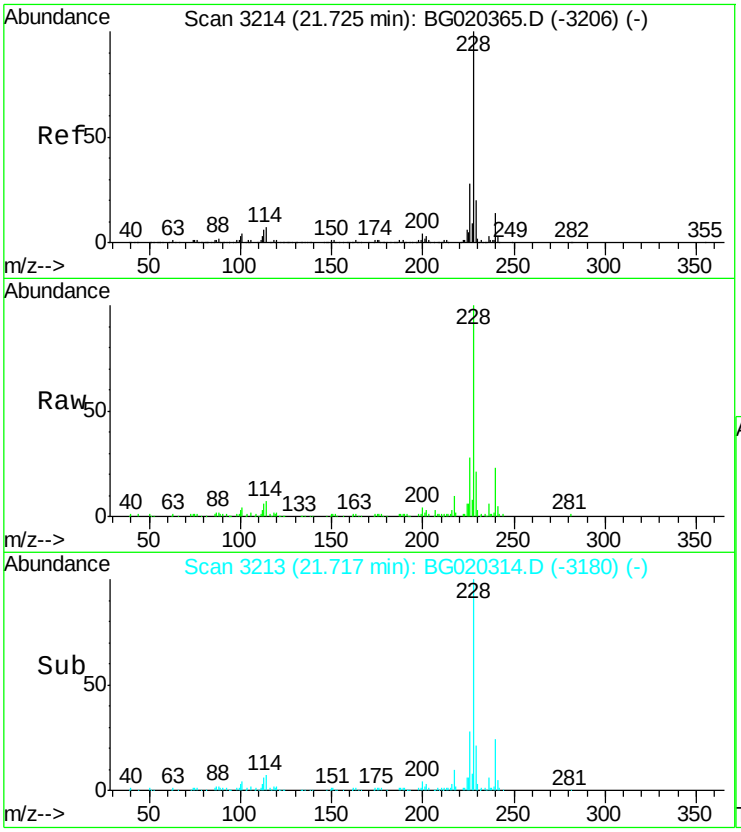


#80
Pyrene
Concen: 31.90 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:202 Resp: 385814

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	7.3	6.4	9.6

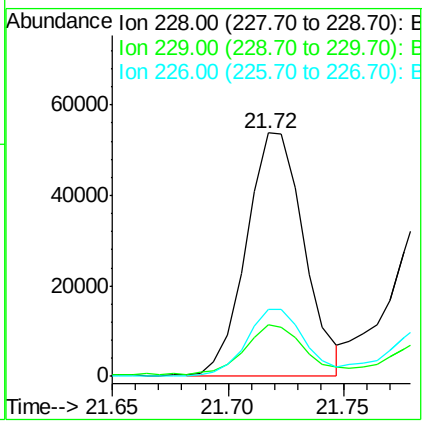




#83
Benzo(a)anthracene
Concen: 8.00 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:228 Resp: 93328

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	27.7	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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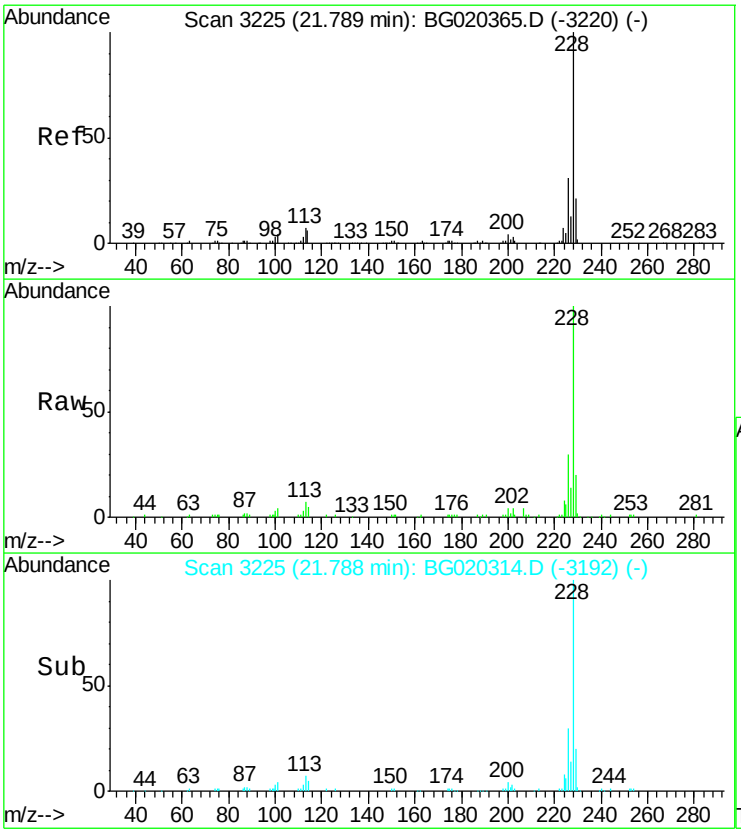
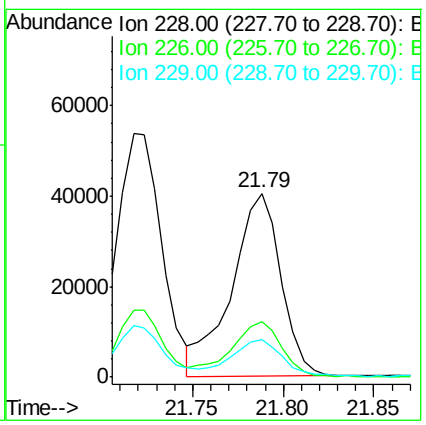
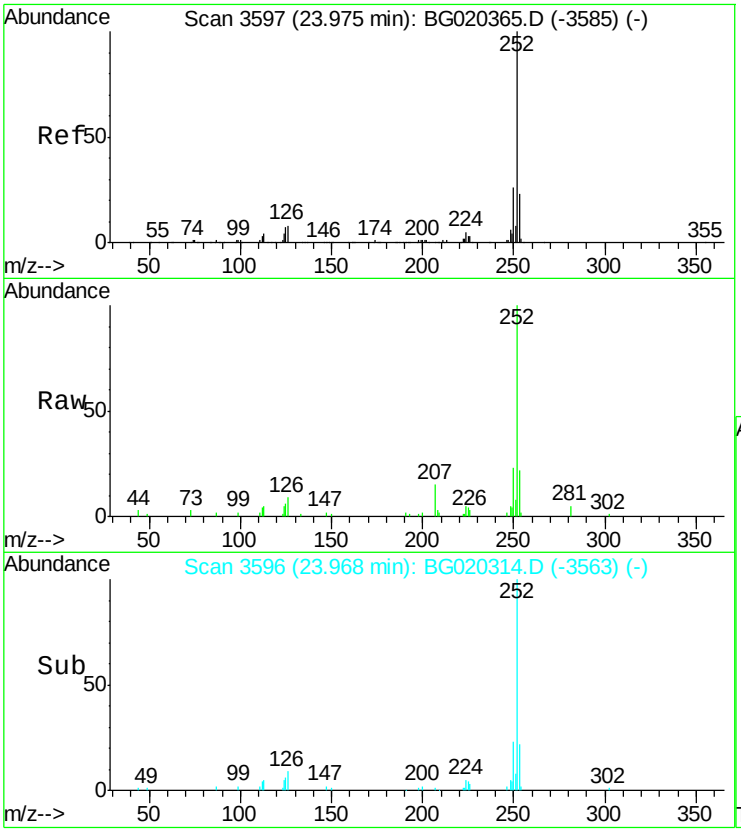


#85
Chrysene
Concen: 6.97 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:228 Resp: 76580

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	20.5	15.6	23.4

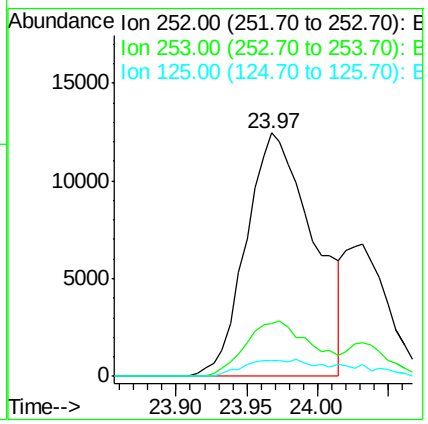




#88
Benzo(b)fluoranthene
Concen: 3.64 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:252 Resp: 41401

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.7	25.1
125	6.3	6.2	9.2



Instrument :
BNA_G
ClientSampleId :
D9N71

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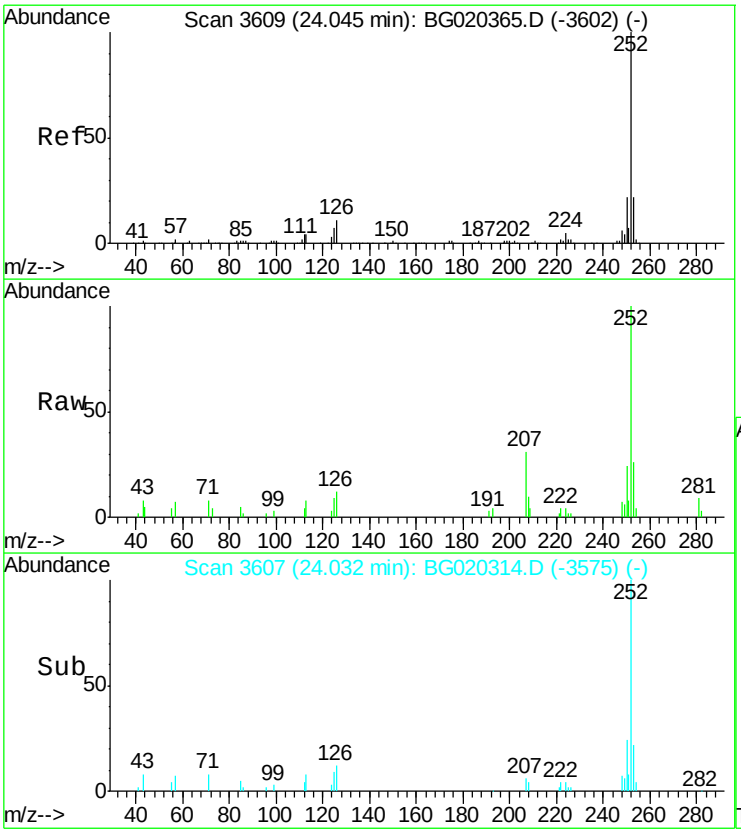
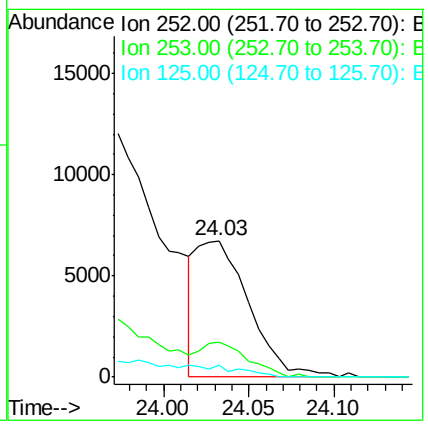
apatel
12/22/2015 2:13:41 PM

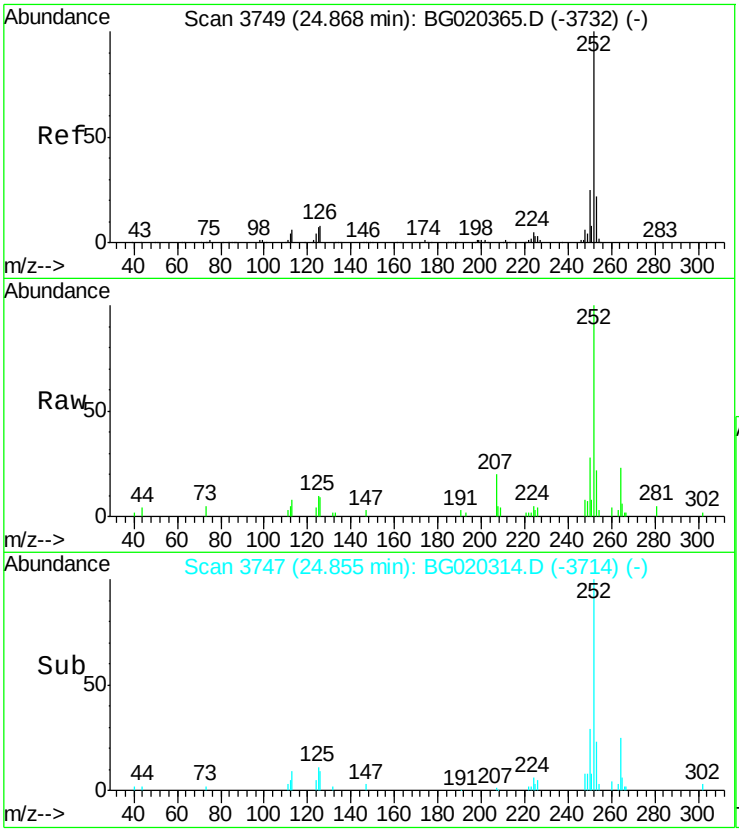


#89
Benzo(k)fluoranthene
Concen: 1.32 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. -0.01 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:252 Resp: 14357

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	8.7	5.8	8.6#

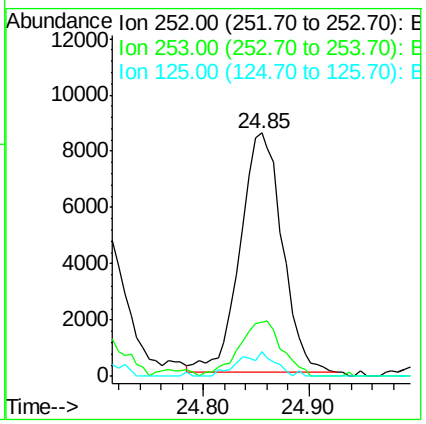




#91
Benzo(a)pyrene
Concen: 2.16 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. -0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:252 Resp: 23279

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	10.1	6.2	9.4#



Instrument :
BNA_G
ClientSampleId :
D9N71

Manual Integrations APPROVED
apatel
12/22/2015 2:13:41 PM