Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Manual Integrations APPROVED
apatel
12/22/2015 12:34:39 PM

Quant Time: Dec 21 09:54:42 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	15646	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	68373	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	50876	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	129920	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	172591	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	157624	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	1077	0.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	643	0.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	886	0.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	902	0.76	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	351	0.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	517	0.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	991	0.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1442	1.07	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	4377	1.06	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	5038	1.05	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.72	176	4226	1.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	7153	1.19	ng/ul	0.00
79) Pyrene-d10	19.85	212	8047	1.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	7744	0.98	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.96	128	130921	36.67	ng/ul	99
34) 2-Methylnaphthalene	12.56	142	43432	15.92	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	19584	5.10	ng/ul	96
48) Acenaphthylene	14.45	152	6645	1.31	ng/ul#	96
50) Acenaphthene	14.79	153	88433	25.84	ng/ul	99
54) Dibenzofuran	15.12	168	94846	18.63	ng/ul	99
59) Fluorene	15.77	166	90810	22.21	ng/ul	99
70) Phenanthrene	17.52	178	448063	63.05	ng/ul	100
72) Anthracene	17.60	178	50562	7.01	ng/ul	98
75) Carbazole	17.87	167	34665	5.72	ng/ul	96
77) Fluoranthene	19.52	202	252739	30.43	ng/ul	97
80) Pyrene	19.88	202	172298	16.49	ng/ul	98
83) Benzo(a)anthracene	21.72	228	37780	3.75	ng/ul	98
85) Chrysene	21.79	228	34180m	3.60	ng/ul	
88) Benzo(b)fluoranthene	23.98	252	15192	1.60	ng/ul#	91
91) Benzo(a)pyrene	24.87	252	9296	1.03	ng/ul	99

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 09:54:42 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N40DL2

Manual Integrations APPROVED
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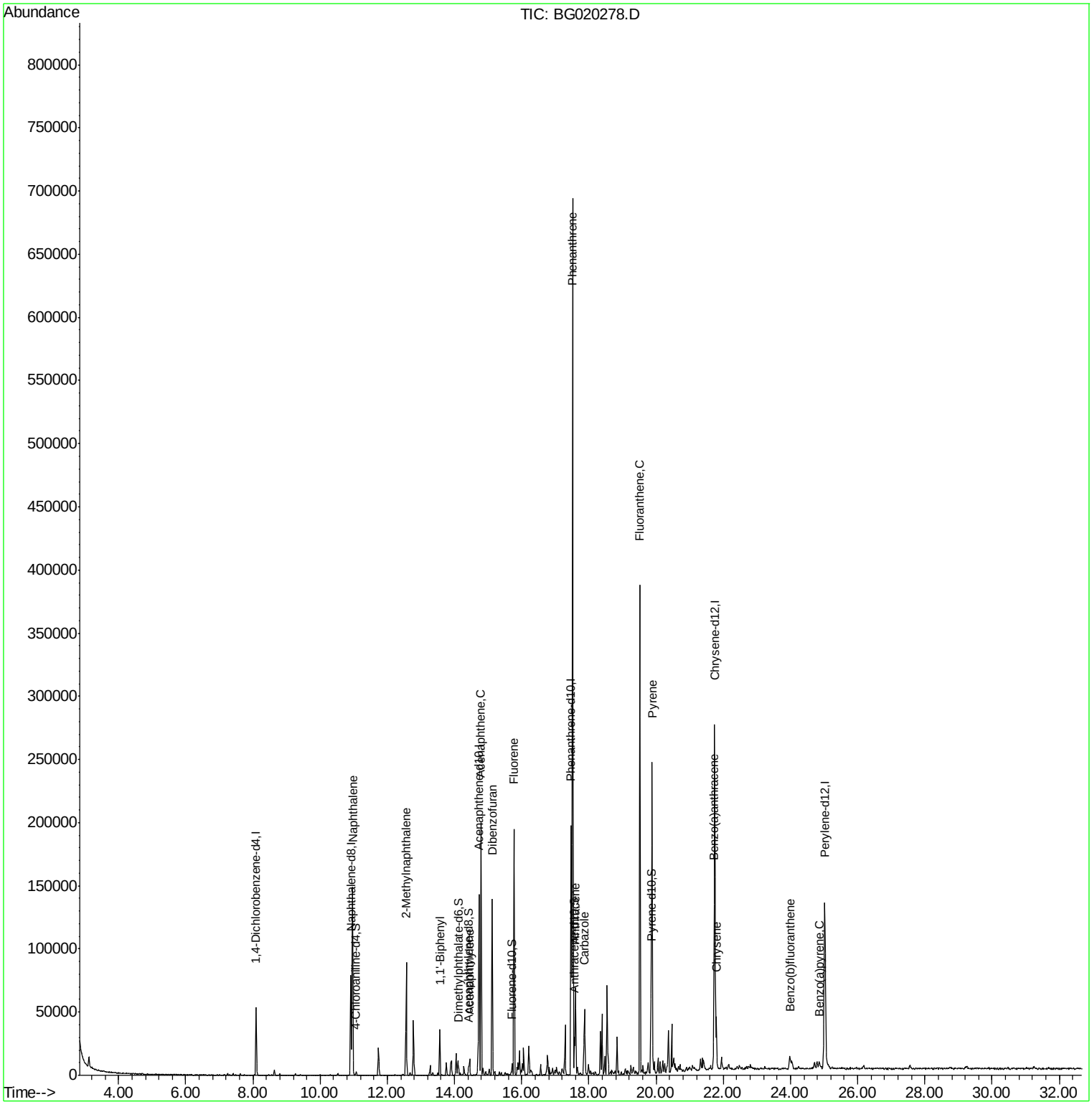
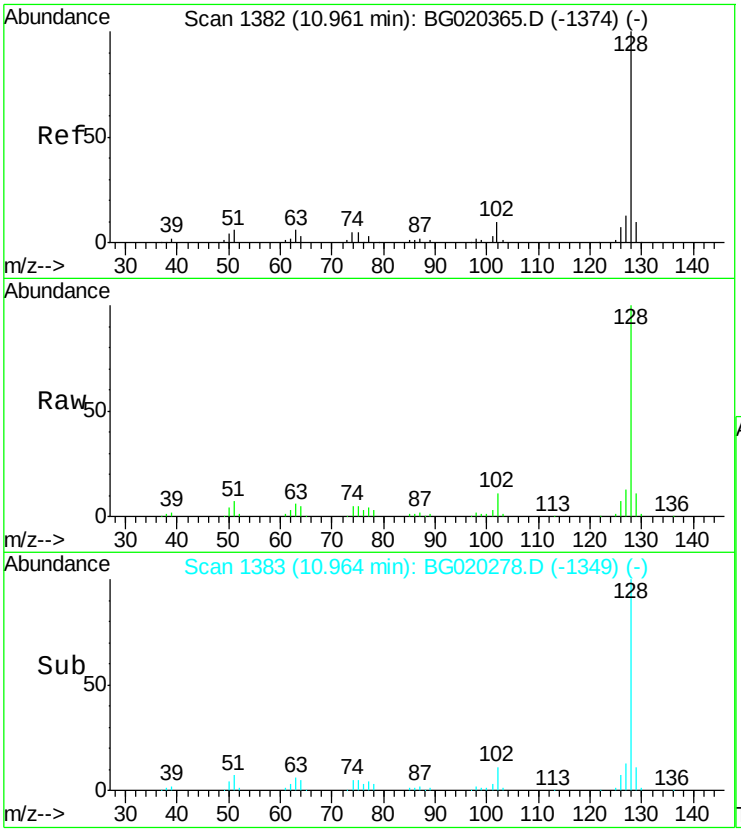
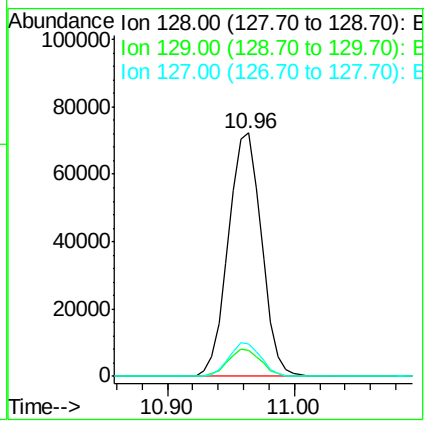




#28
Naphthalene
Concen: 36.67 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:128 Resp: 130921

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.3	10.1	15.1



Instrument :
BNA_G
ClientSampleId :
D9N40DL2

Manual Integrations APPROVED
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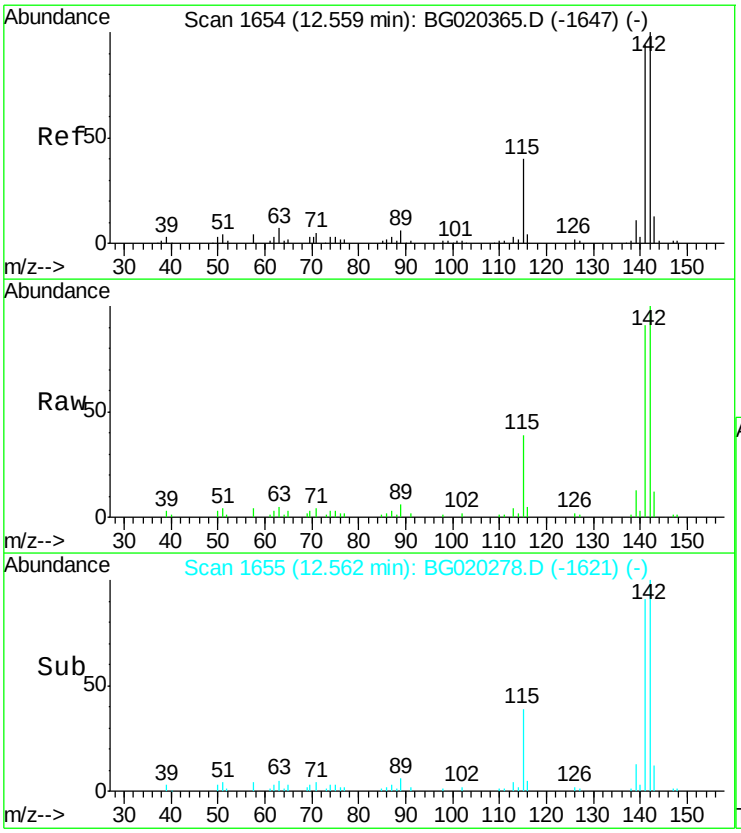
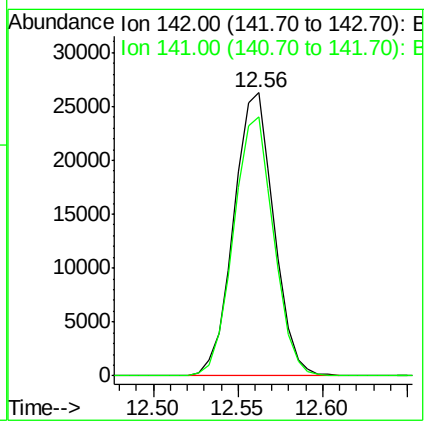
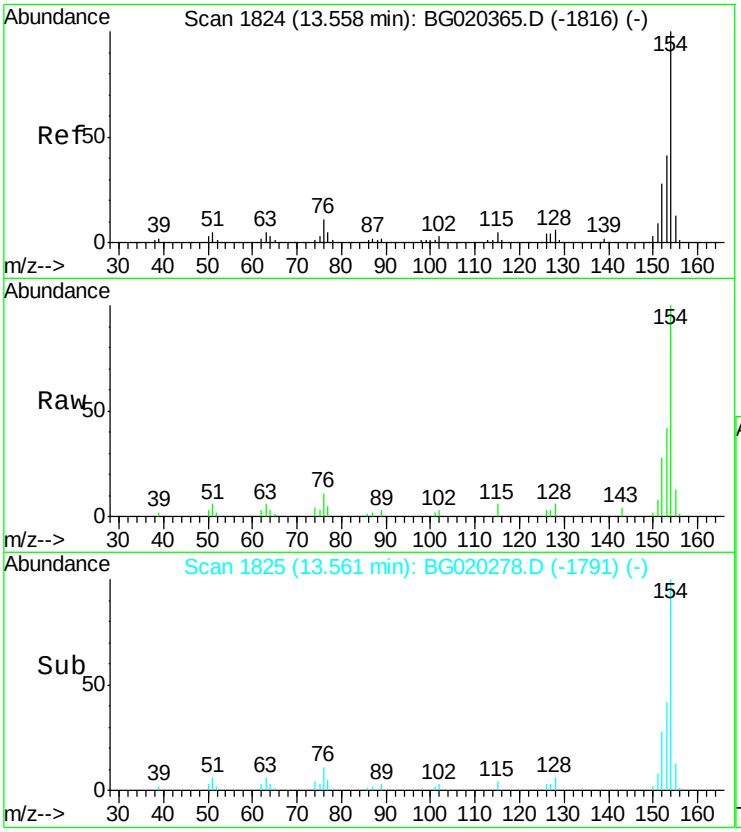


#34
2-Methylnaphthalene
Concen: 15.92 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:142 Resp: 43432

Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.9	112.3

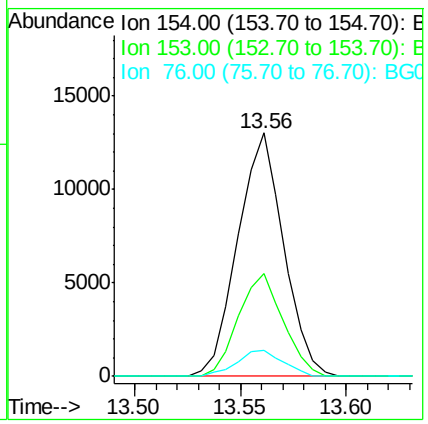




#41
1,1'-Biphenyl
Concen: 5.10 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:154 Resp: 19584

Ion	Ratio	Lower	Upper
154	100		
153	42.5	35.5	53.3
76	10.7	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
D9N40DL2

Manual Integrations APPROVED
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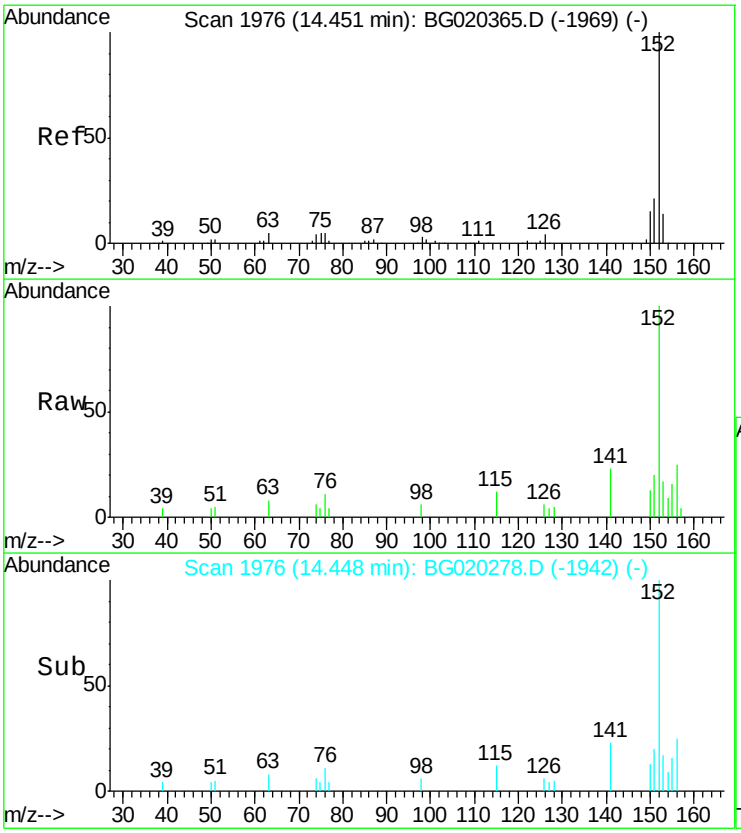
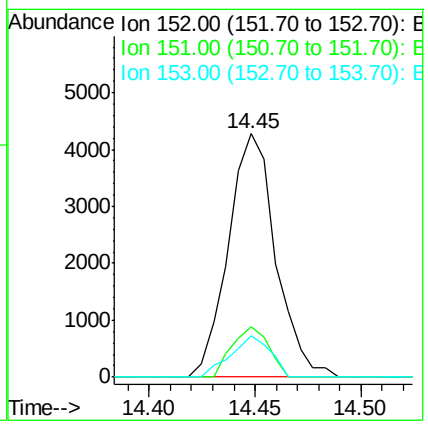
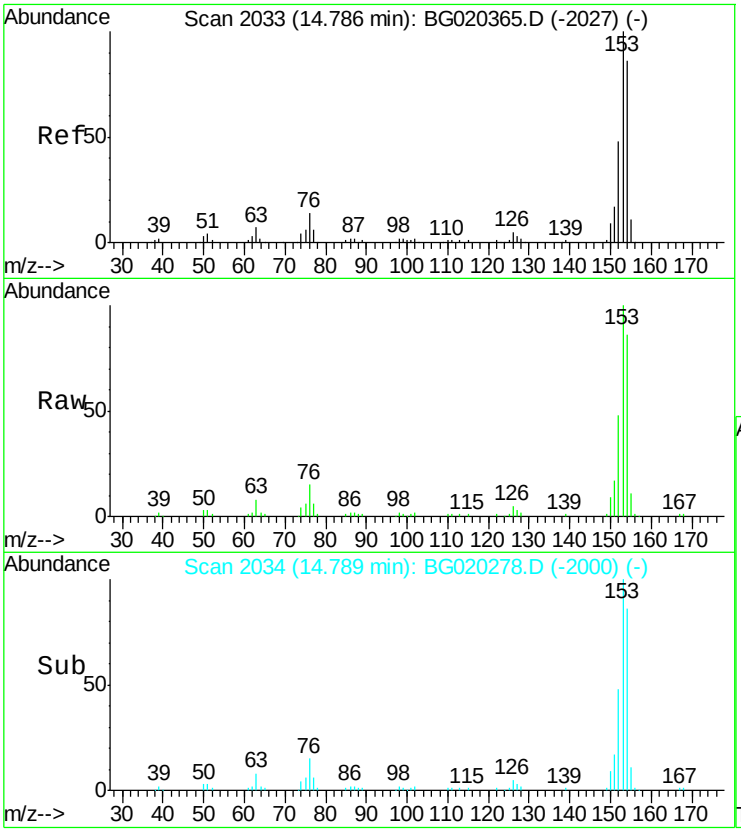


#48
Acenaphthylene
Concen: 1.31 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:152 Resp: 6645

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	16.9	10.4	15.6#

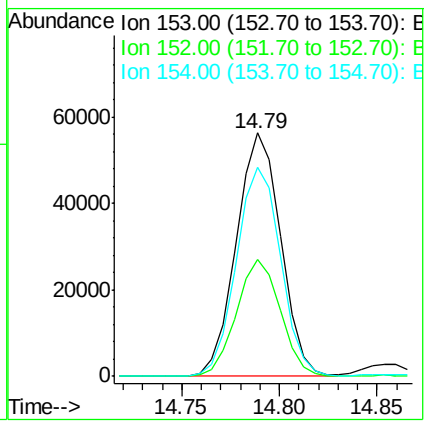




#50
Acenaphthene
Concen: 25.84 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:153 Resp: 88433

Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.6	56.4
154	86.0	67.9	101.9



Instrument :
BNA_G
ClientSampleId :
D9N40DL2

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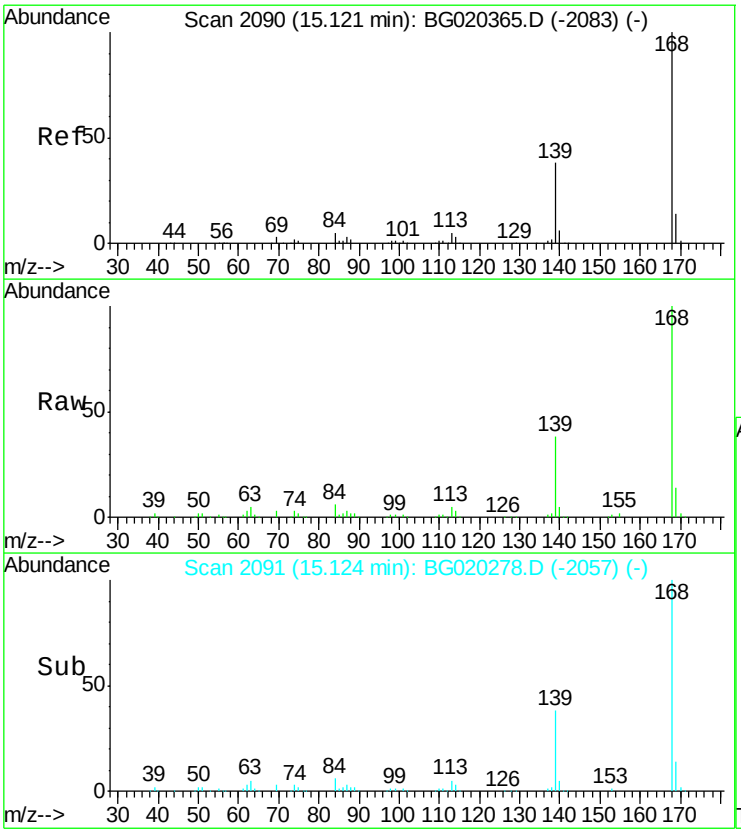
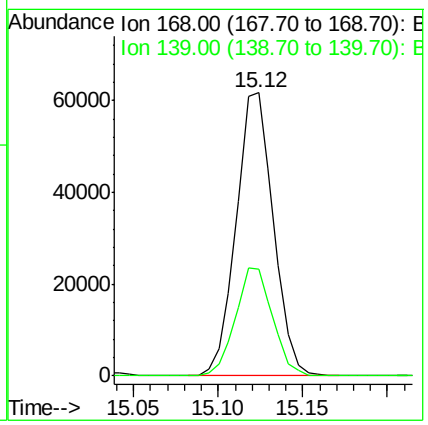
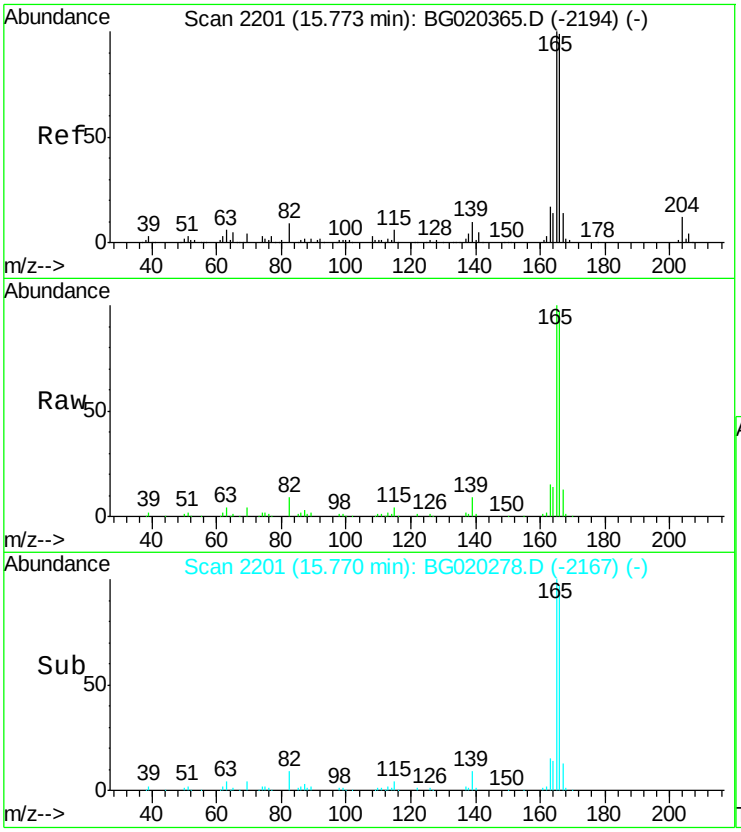


#54
Dibenzofuran
Concen: 18.63 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:168 Resp: 94846

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.5	45.7

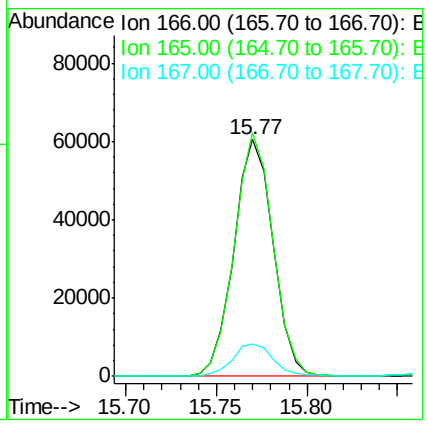




#59
Fluorene
Concen: 22.21 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:166 Resp: 90810

Ion	Ratio	Lower	Upper
166	100		
165	102.9	81.4	122.0
167	13.6	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
D9N40DL2

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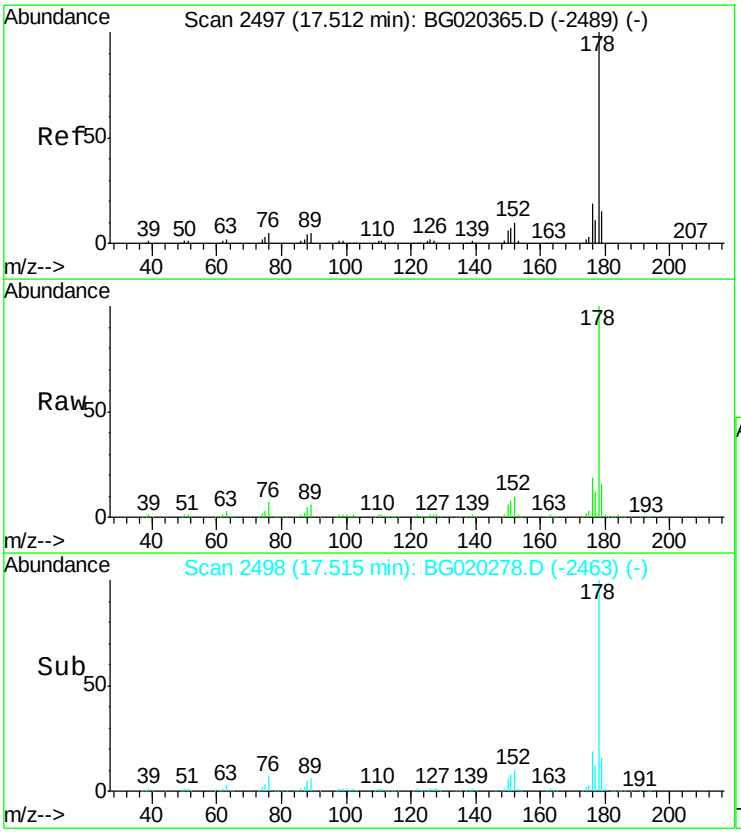
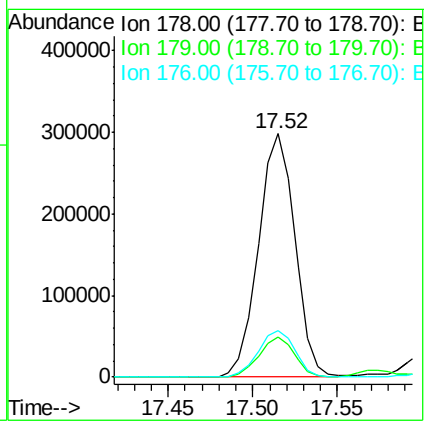
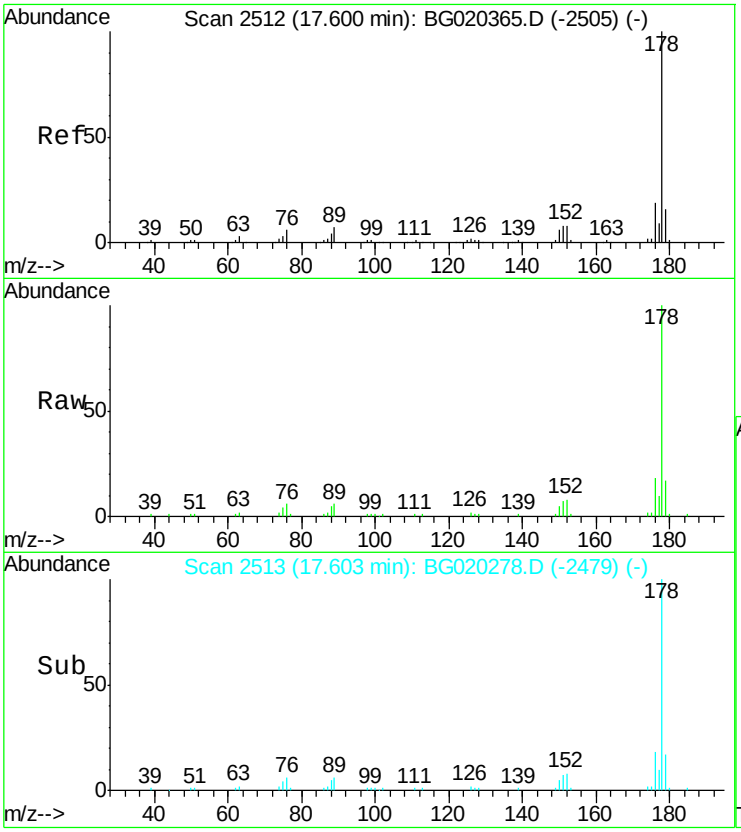


#70
Phenanthrene
Concen: 63.05 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:178 Resp: 448063

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	19.2	15.3	22.9

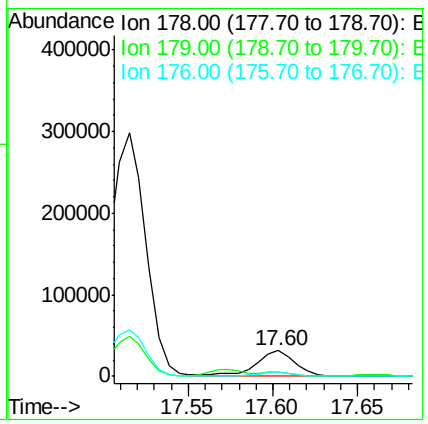




#72
Anthracene
Concen: 7.01 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:178 Resp: 50562

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.3	18.5
176	18.3	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
D9N40DL2

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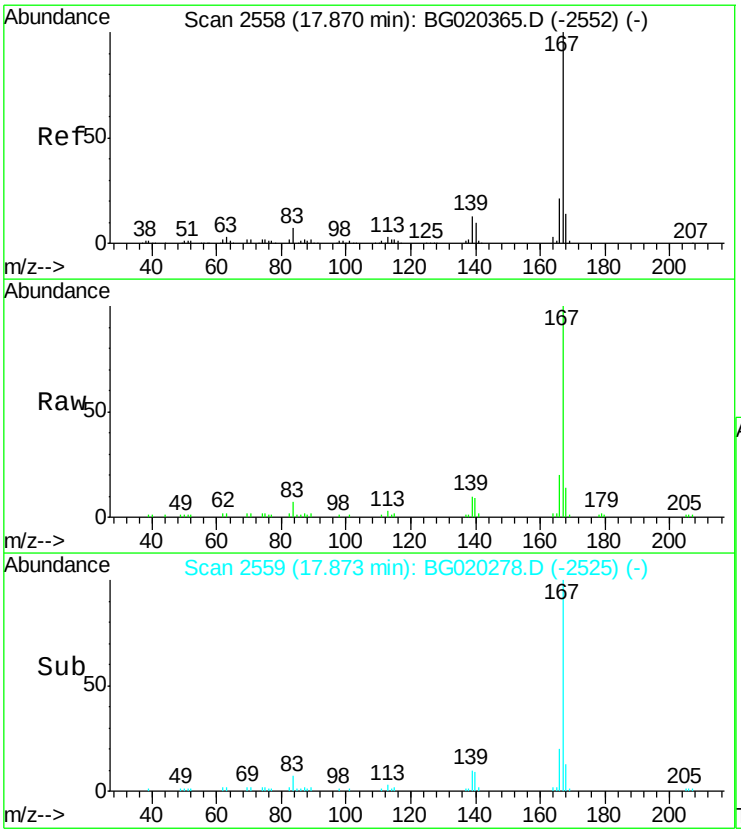
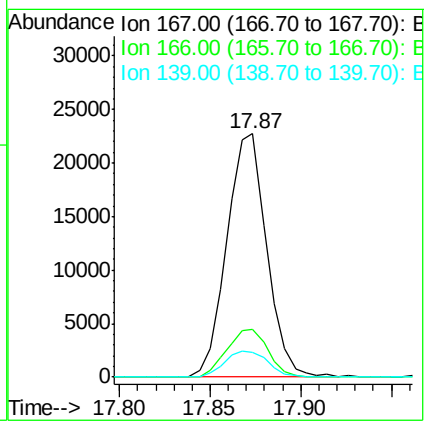
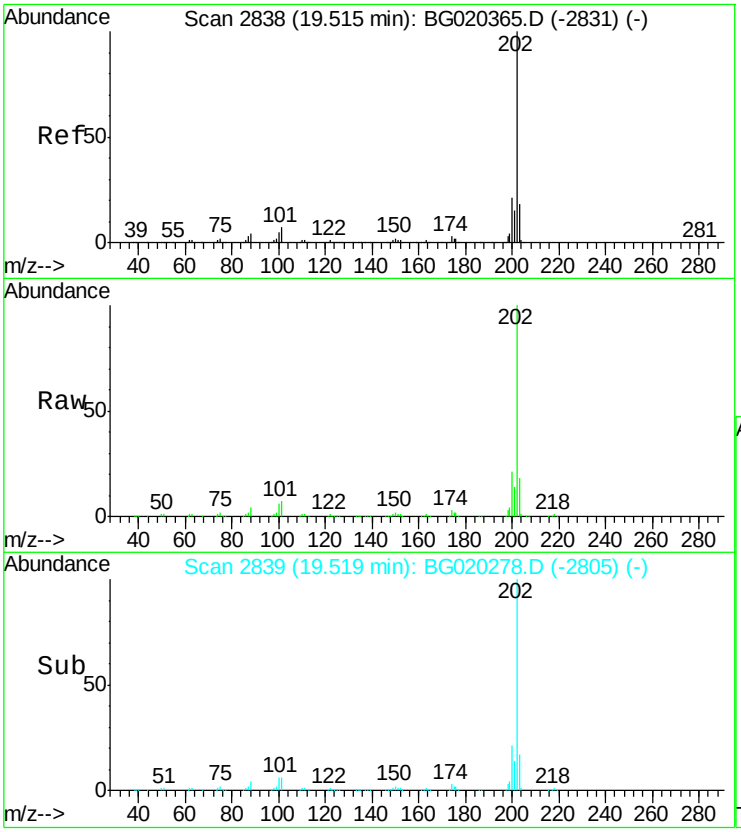


#75
Carbazole
Concen: 5.72 ng/ul
RT: 17.87 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:167 Resp: 34665

Ion	Ratio	Lower	Upper
167	100		
166	19.7	17.0	25.6
139	10.3	10.1	15.1

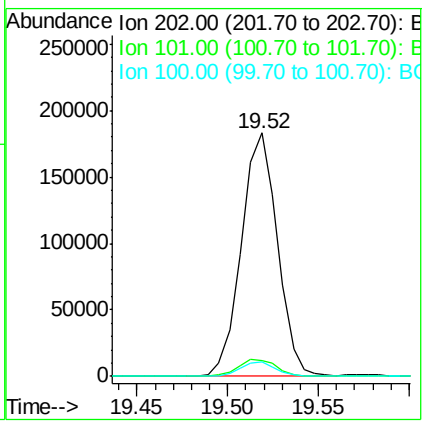




#77
Fluoranthene
Concen: 30.43 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:202 Resp: 252739

Ion	Ratio	Lower	Upper
202	100		
101	6.6	6.2	9.4
100	5.8	5.1	7.7



Instrument :
BNA_G
ClientSampleId :
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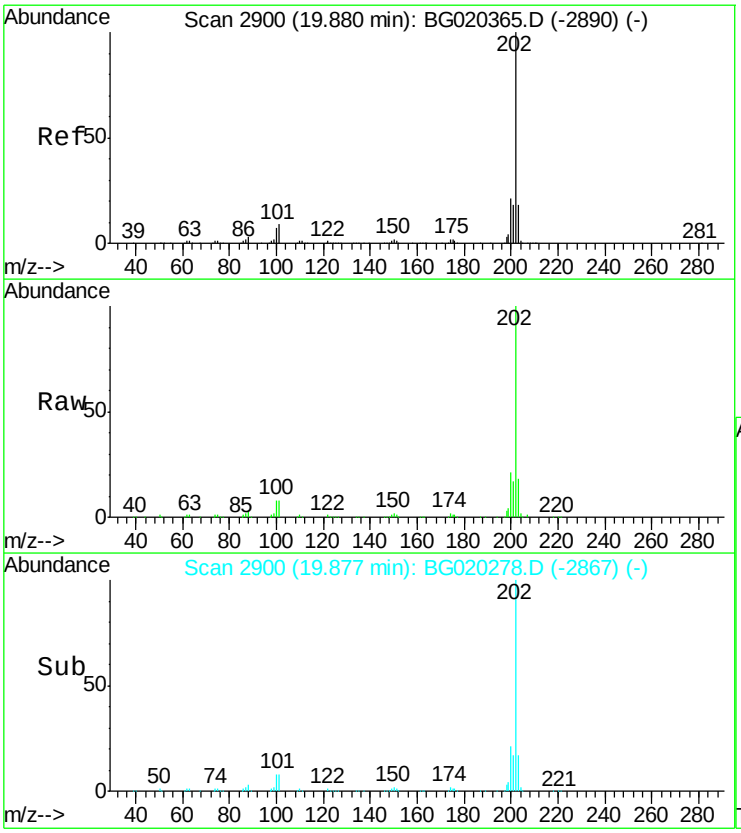
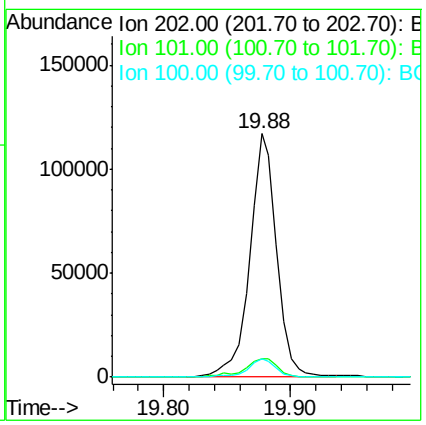
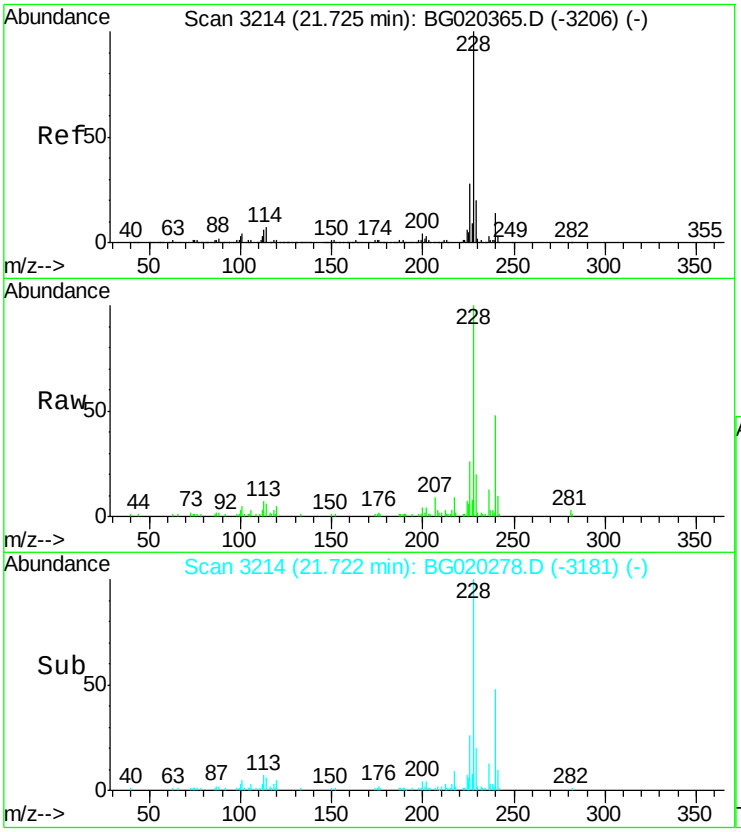


#80
Pyrene
Concen: 16.49 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:202 Resp: 172298

Ion	Ratio	Lower	Upper
202	100		
101	7.8	7.0	10.4
100	7.7	6.4	9.6

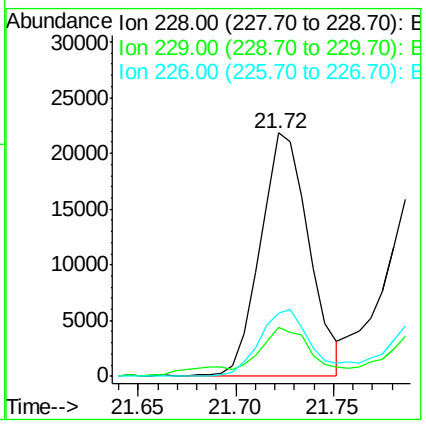




#83
Benzo(a)anthracene
Concen: 3.75 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:228 Resp: 37780

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.8
226	25.8	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
D9N40DL2

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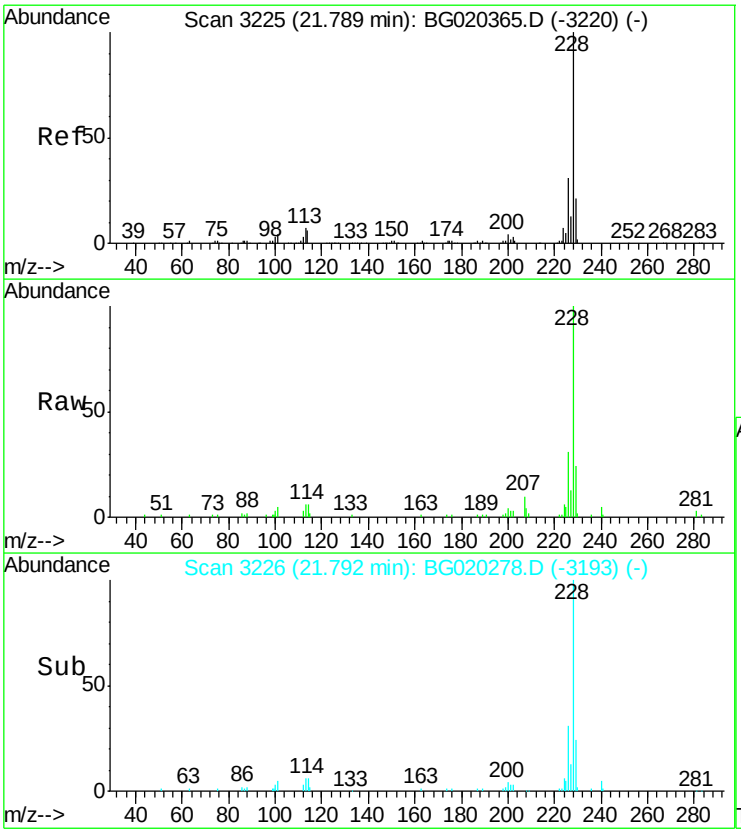
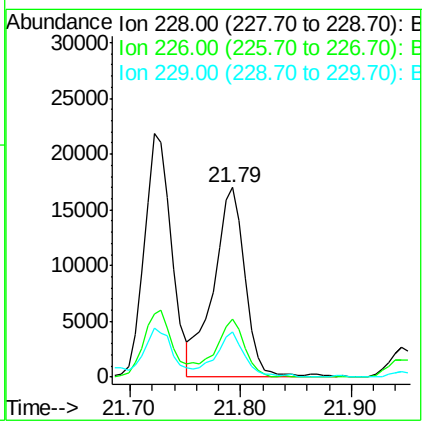
12/22/2015 12:34:39 PM

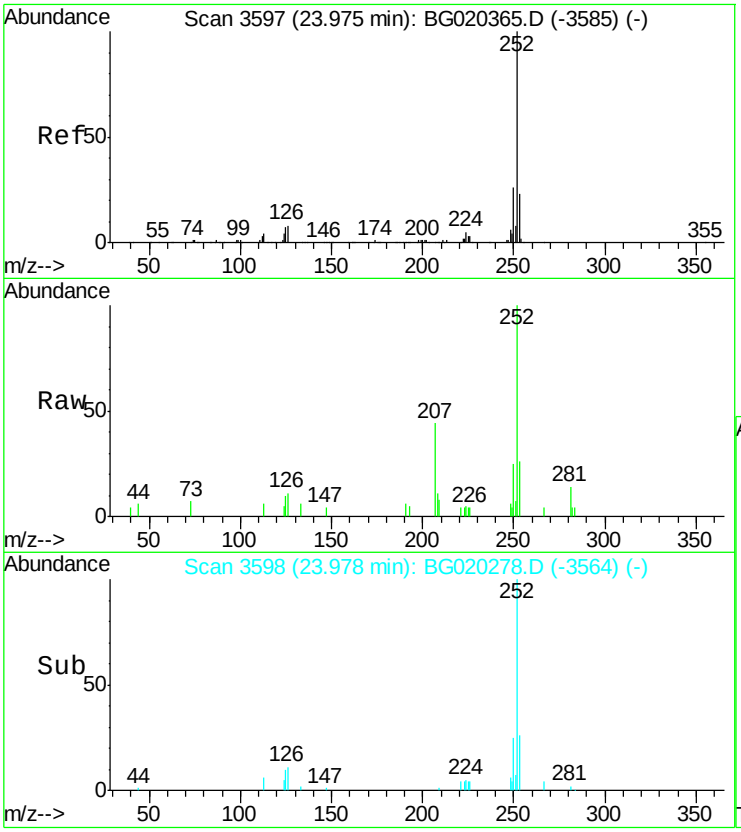


#85
Chrysene
Concen: 3.60 ng/ul m
RT: 21.79 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:228 Resp: 34180

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	23.8	15.6	23.4#





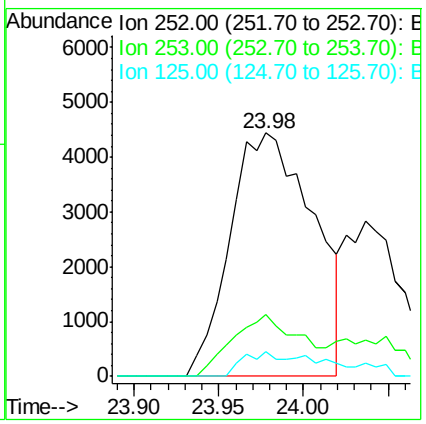
#88
Benzo(b)fluoranthene
Concen: 1.60 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

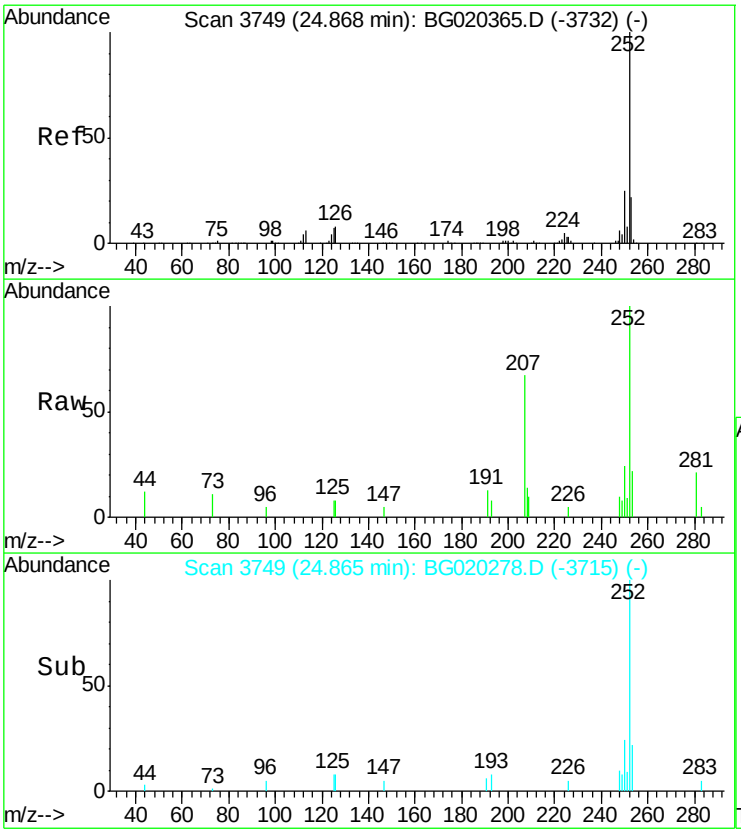
Tgt Ion:252 Resp: 15192

Ion	Ratio	Lower	Upper
252	100		
253	25.5	16.7	25.1#
125	10.2	6.2	9.2#

Instrument :
BNA_G
ClientSampleId :
D9N40DL2

Manual Integrations APPROVED
apatel
12/22/2015 12:34:39 PM





#91
Benzo(a)pyrene
Concen: 1.03 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. 0.00 min
Lab File: BG020278.D
Acq: 18 Dec 2015 16:57

Tgt Ion:252 Resp: 9296

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	8.1	6.2	9.4