Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020757.D
Acq On : 15 Jan 2016 18:00
Operator : SJ/IZ
Sample : H1101-17 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

Manual Integrations APPROVED
Sohil
1/16/2016 3:03:39 AM

Quant Time: Jan 16 00:35:31 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 22:12:27 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	16351	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	71342	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	48407	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	116841	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	140106	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	136017	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	7.21	99	4818	3.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	2810	3.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	4428	4.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	3440	2.91	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	2087	3.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	2584	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	4689m	3.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	1424	1.16	ng/ul	0.02
44) Dimethylphthalate-d6	14.08	166	16931	4.01	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	20563	4.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	553	0.97	ng/ul	0.03
58) Fluorene-d10	15.67	176	16493	4.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1327	2.09	ng/ul	0.00
71) Anthracene-d10	17.53	188	25113	4.39	ng/ul	0.00
79) Pyrene-d10	19.81	212	29353	4.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	30064	4.15	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.90	128	4493	1.11	ng/ul	97
45) Dimethylphthalate	14.12	163	7532	1.66	ng/ul	97
50) Acenaphthene	14.74	153	4419	1.28	ng/ul	95
59) Fluorene	15.73	166	7221	1.70	ng/ul	92
70) Phenanthrene	17.47	178	155736	22.40	ng/ul	99
72) Anthracene	17.56	178	21450	3.06	ng/ul	99
75) Carbazole	17.83	167	9010	1.57	ng/ul	96
77) Fluoranthene	19.48	202	266157	31.50	ng/ul	99
80) Pyrene	19.85	202	339540	38.22	ng/ul	99
83) Benzo(a)anthracene	21.69	228	169290	19.37	ng/ul	98
85) Chrysene	21.75	228	187075	22.64	ng/ul	96
88) Benzo(b)fluoranthene	23.92	252	156387	17.85	ng/ul#	96
89) Benzo(k)fluoranthene	23.98	252	57343m	6.63	ng/ul	
91) Benzo(a)pyrene	24.80	252	139041	16.49	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.68	276	76680	7.71	ng/ul	96
93) Dibenzo(a,h)anthracene	28.71	278	25498m	3.11	ng/ul	
94) Benzo(g,h,i)perylene	29.85	276	80926m	9.86	ng/ul	

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

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Sample : H1101-17 5X
Misc :
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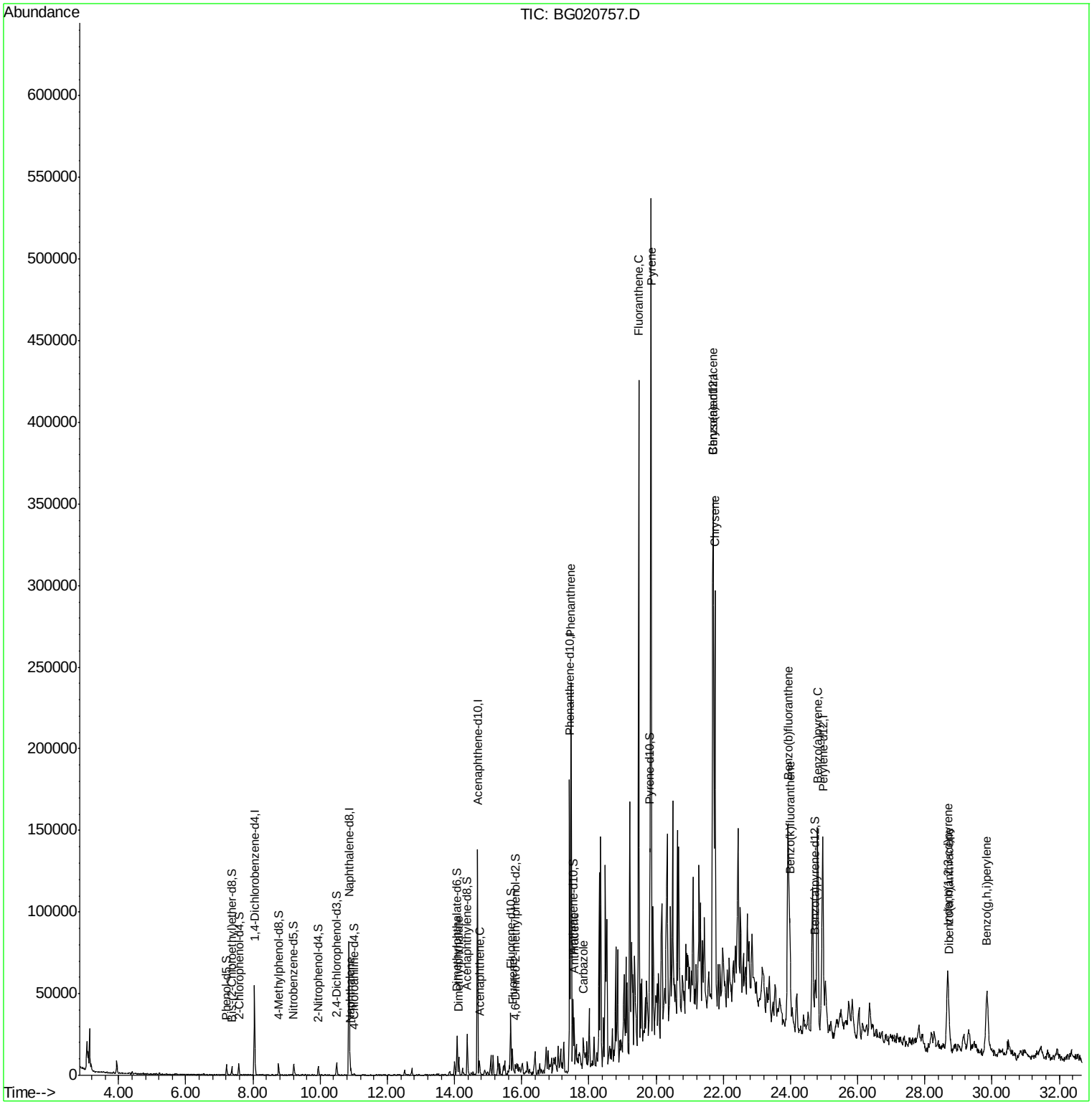
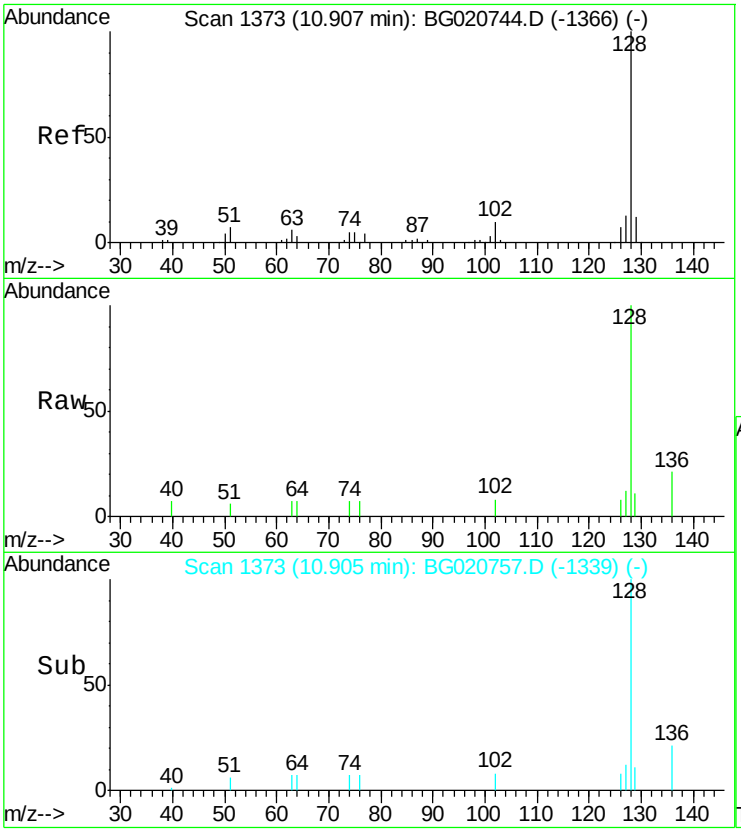
Quant Time: Jan 16 00:35:31 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 22:12:27 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC9F8

Manual Integrations APPROVED
Sohil
1/16/2016 3:03:39 AM

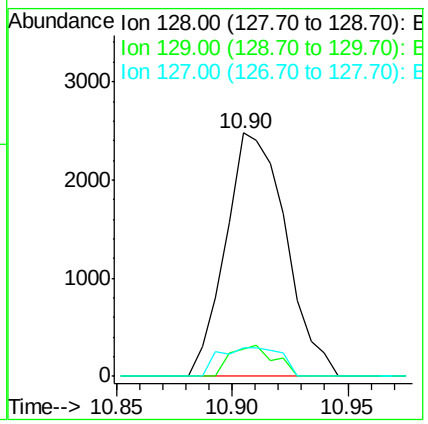




#28
Naphthalene
Concen: 1.11 ng/ul
RT: 10.90 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:128 Resp: 4493

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	11.9	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
BC9F8

Manual Integrations APPROVED
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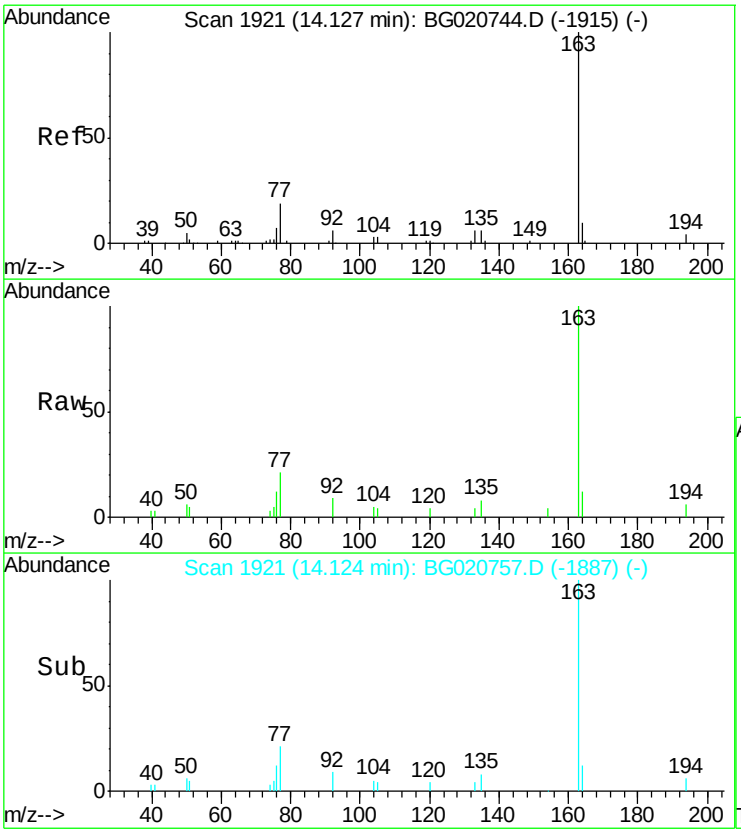
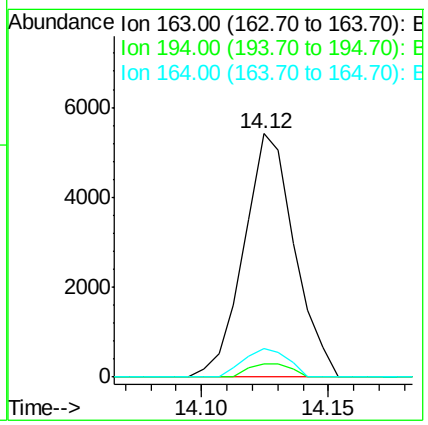
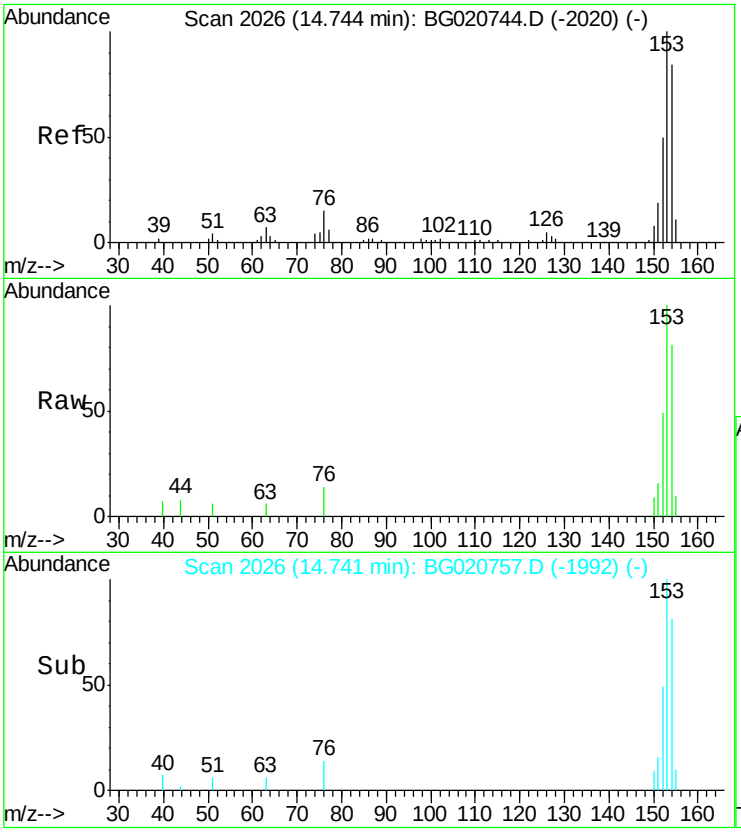


#45
Dimethylphthalate
Concen: 1.66 ng/ul
RT: 14.12 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:163 Resp: 7532

Ion	Ratio	Lower	Upper
163	100		
194	5.6	4.0	6.0
164	11.7	8.4	12.6

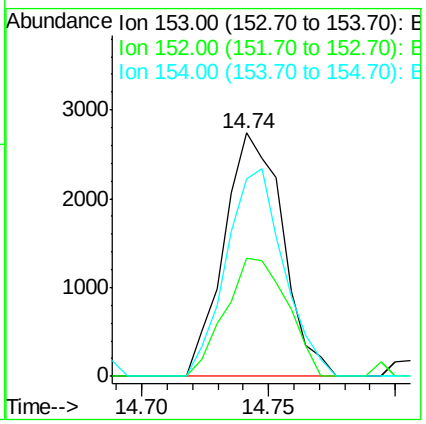




#50
Acenaphthene
Concen: 1.28 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:153 Resp: 4419

Ion	Ratio	Lower	Upper
153	100		
152	48.5	37.9	56.9
154	80.9	69.8	104.6



Instrument :
BNA_G
ClientSampleId :
BC9F8

Manual Integrations APPROVED
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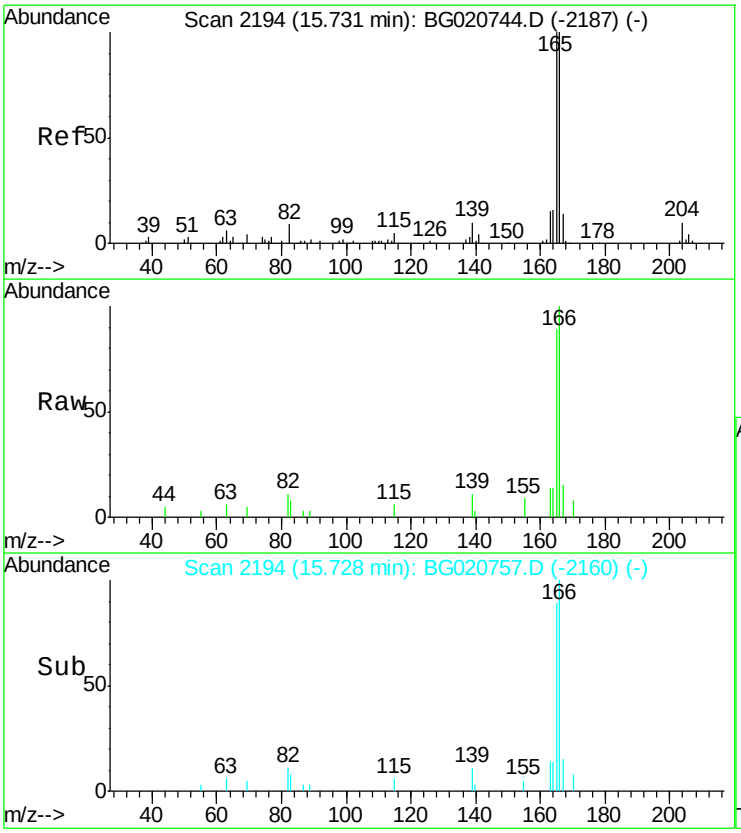
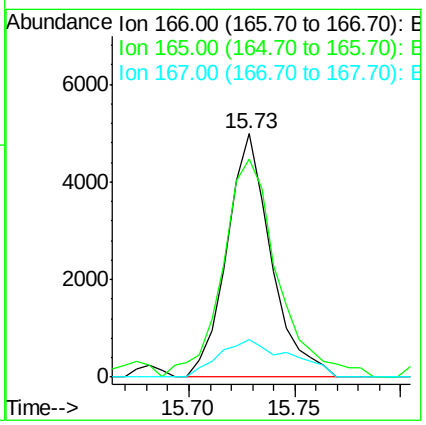
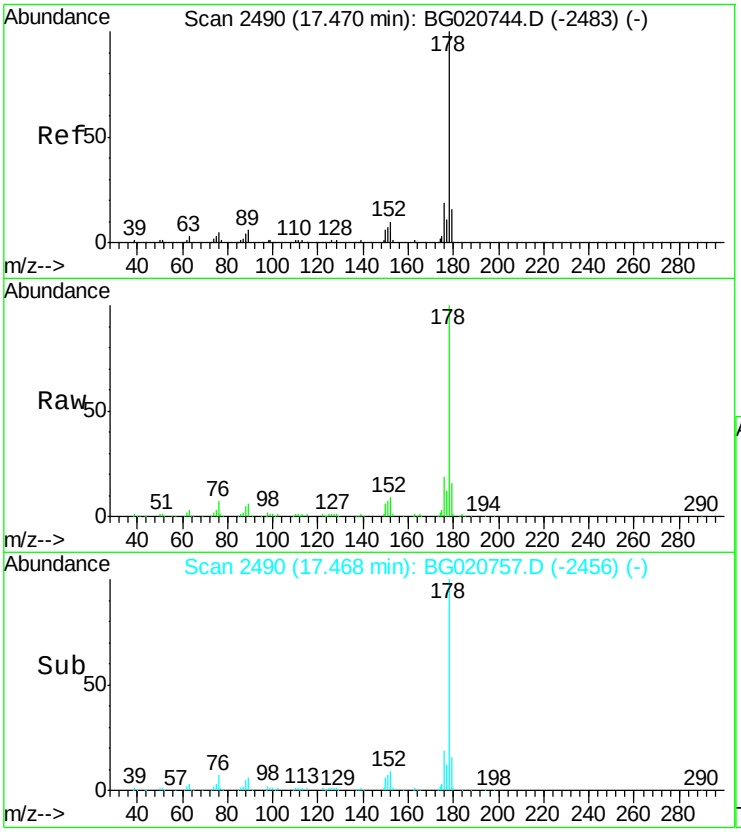


#59
Fluorene
Concen: 1.70 ng/ul
RT: 15.73 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:166 Resp: 7221

Ion	Ratio	Lower	Upper
166	100		
165	89.3	78.4	117.6
167	15.4	11.1	16.7

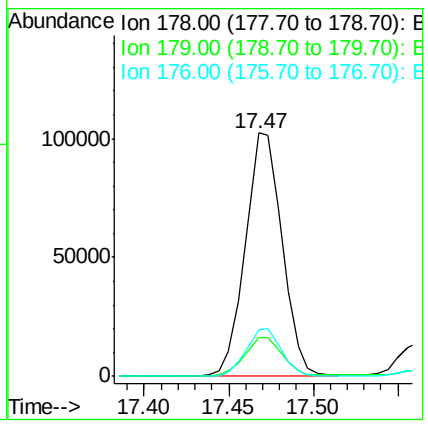




#70
Phenanthrene
Concen: 22.40 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:178 Resp: 155736

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.9	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
BC9F8

Manual Integrations APPROVED
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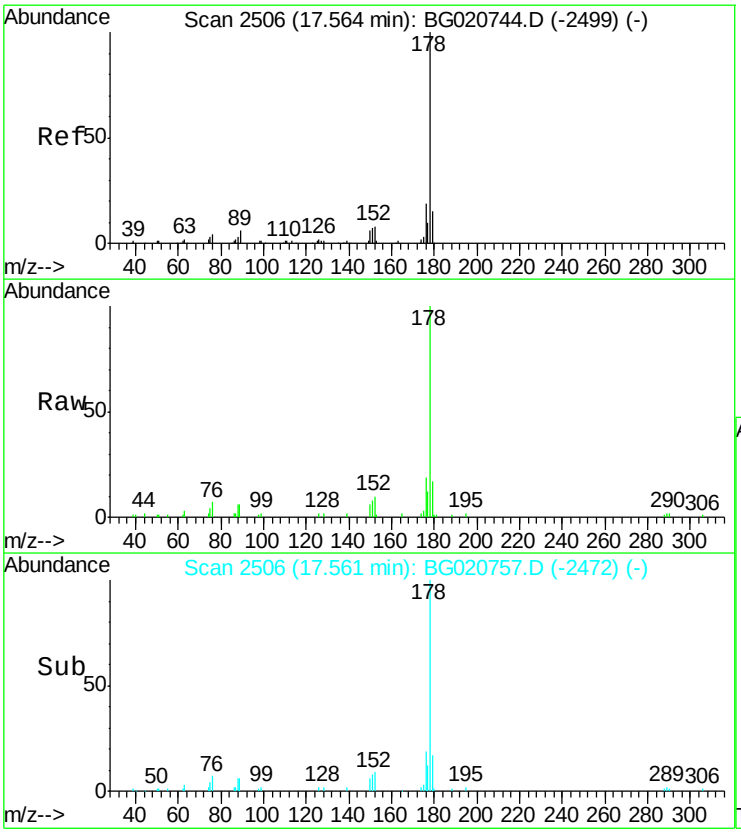
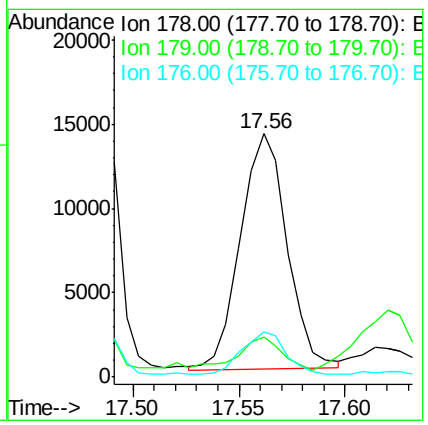
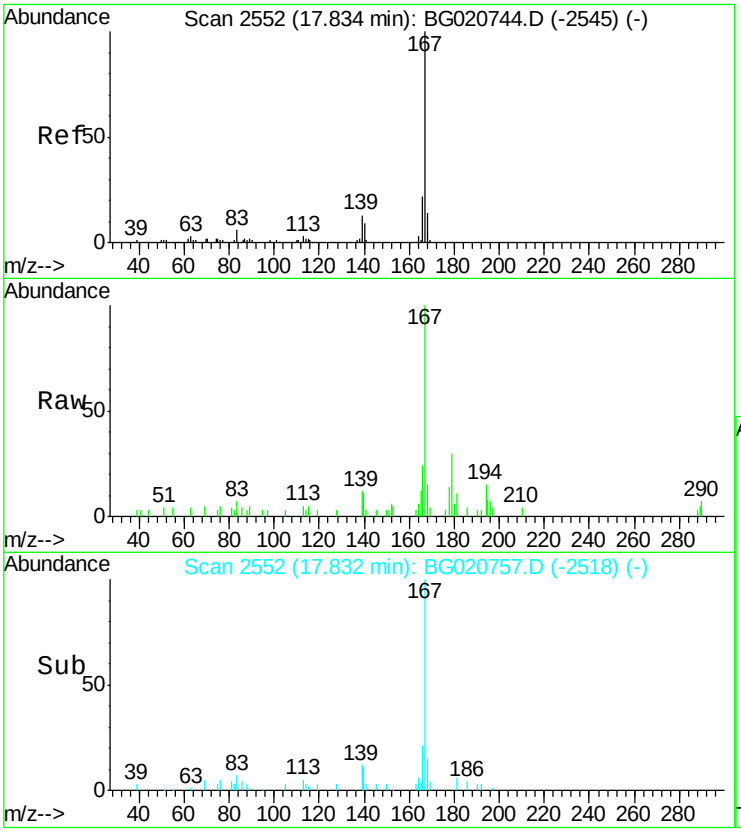


#72
Anthracene
Concen: 3.06 ng/ul
RT: 17.56 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:178 Resp: 21450

Ion	Ratio	Lower	Upper
178	100		
179	16.5	13.4	20.2
176	18.8	15.4	23.0

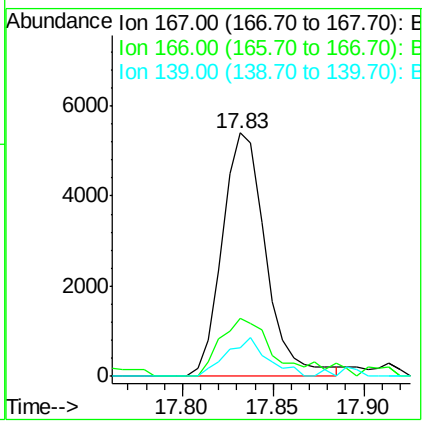




#75
Carbazole
Concen: 1.57 ng/ul
RT: 17.83 min Scan# 2552
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:167 Resp: 9010

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.0	25.4
139	11.9	9.1	13.7



Instrument :
BNA_G
ClientSampleId :
BC9F8

Manual Integrations APPROVED
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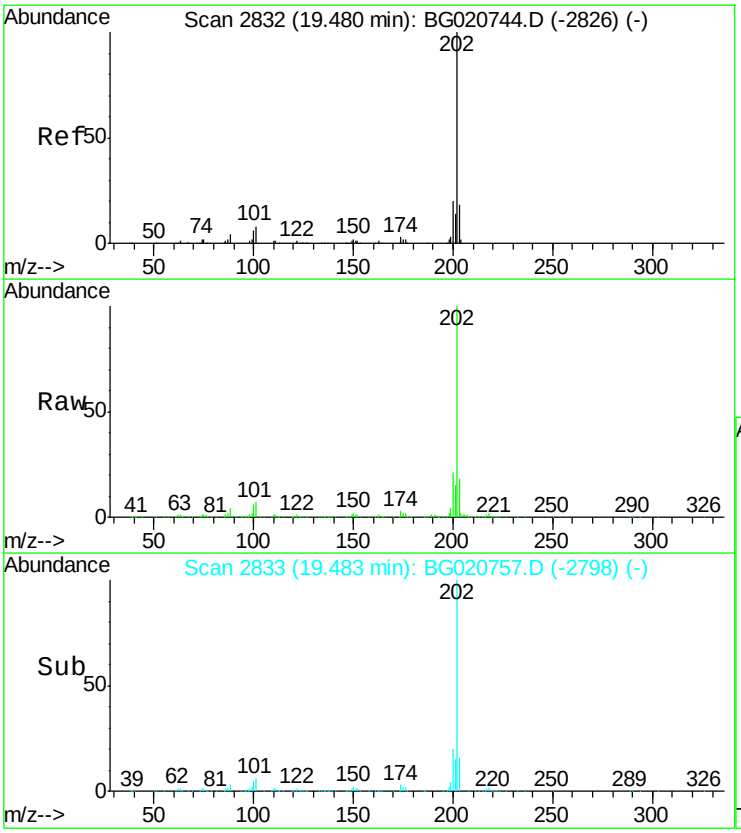
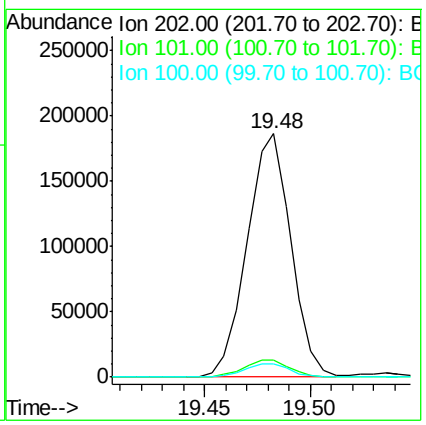
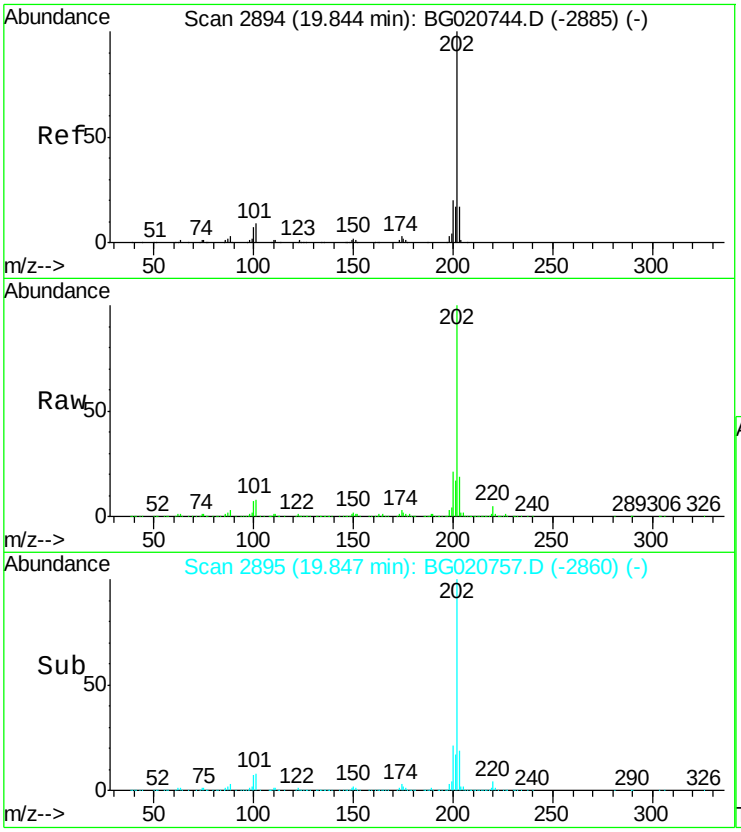


#77
Fluoranthene
Concen: 31.50 ng/ul
RT: 19.48 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:202 Resp: 266157

Ion	Ratio	Lower	Upper
202	100		
101	7.0	6.1	9.1
100	5.6	4.6	7.0

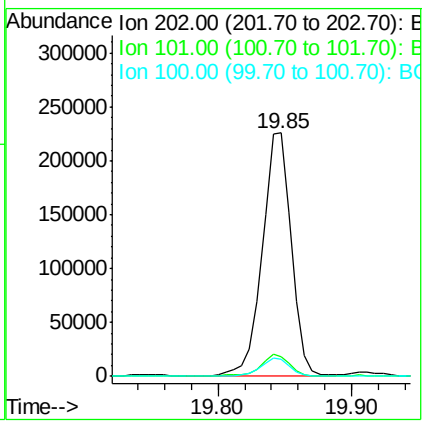




#80
Pyrene
Concen: 38.22 ng/ul
RT: 19.85 min Scan# 2895
Delta R.T. 0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:202 Resp: 339540

Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.9	10.3
100	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
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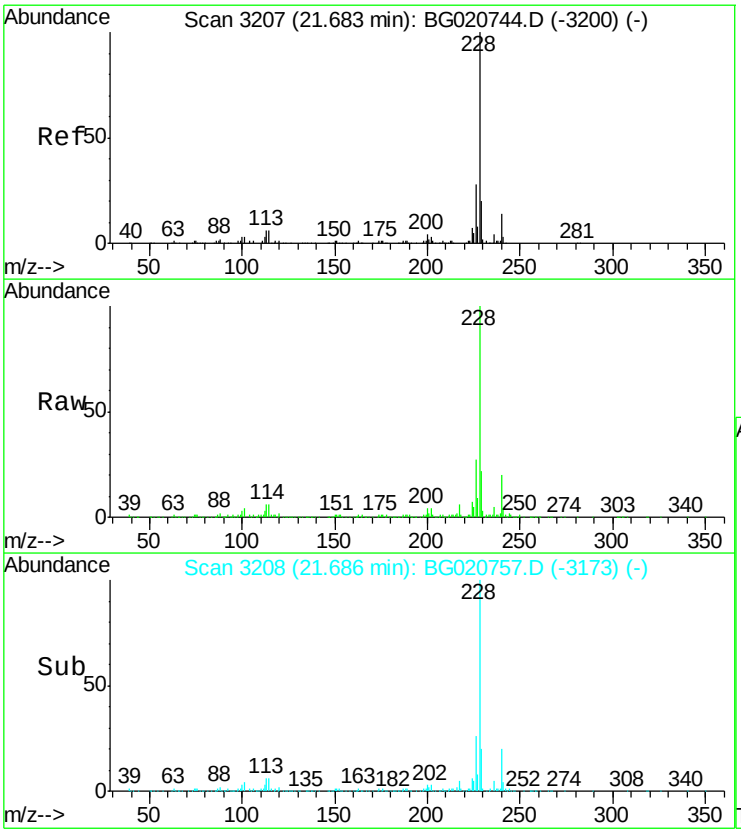
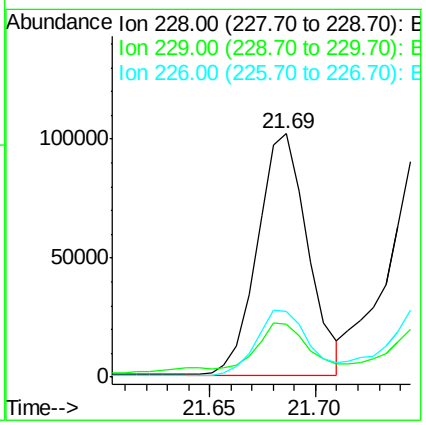
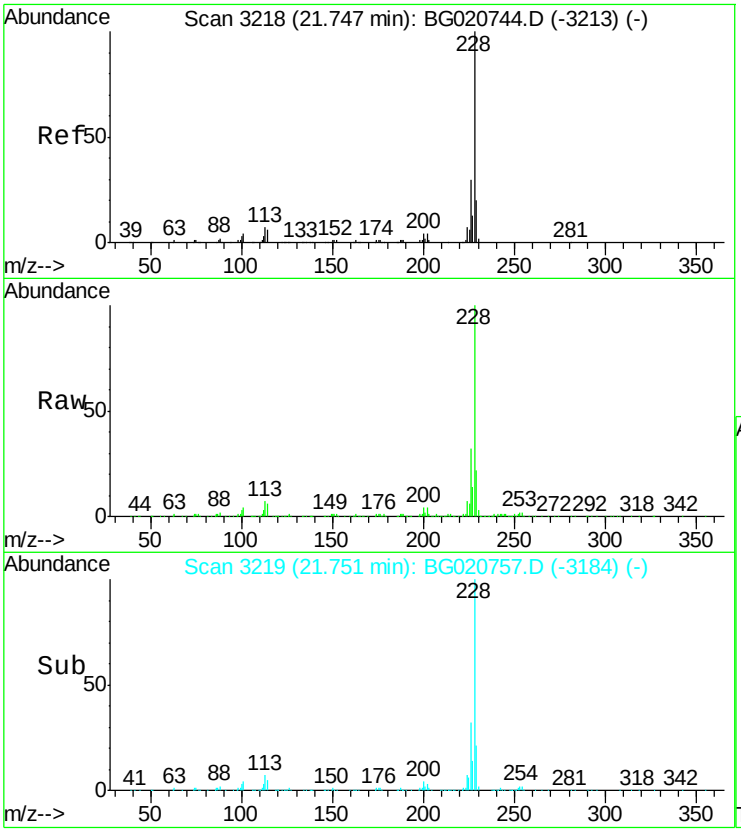


#83
Benzo(a)anthracene
Concen: 19.37 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:228 Resp: 169290

Ion	Ratio	Lower	Upper
228	100		
229	21.5	16.0	24.0
226	26.8	21.8	32.8





#85
Chrysene
Concen: 22.64 ng/ul
RT: 21.75 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:228 Resp: 187075

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.1	36.1
229	22.2	16.0	24.0

Instrument :
BNA_G
ClientSampleId :
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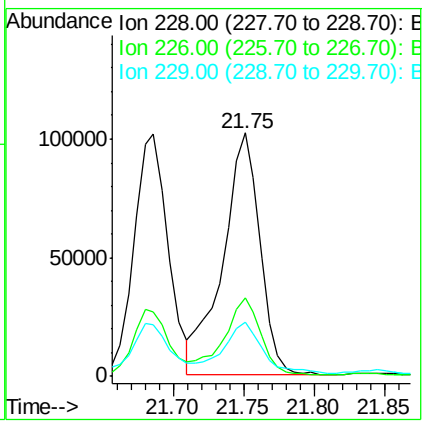
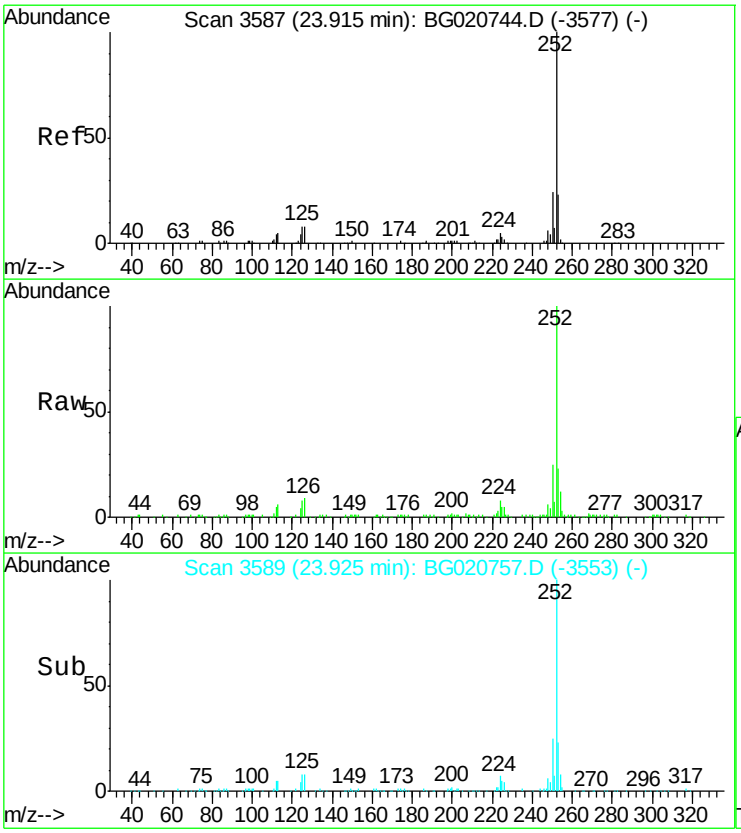
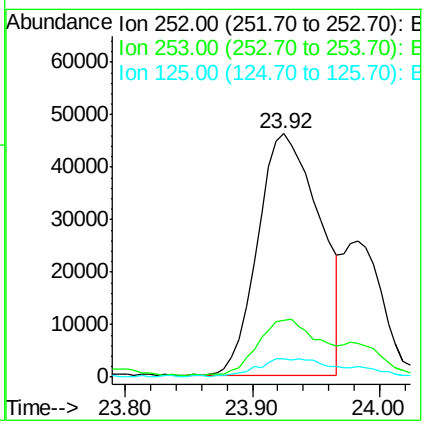


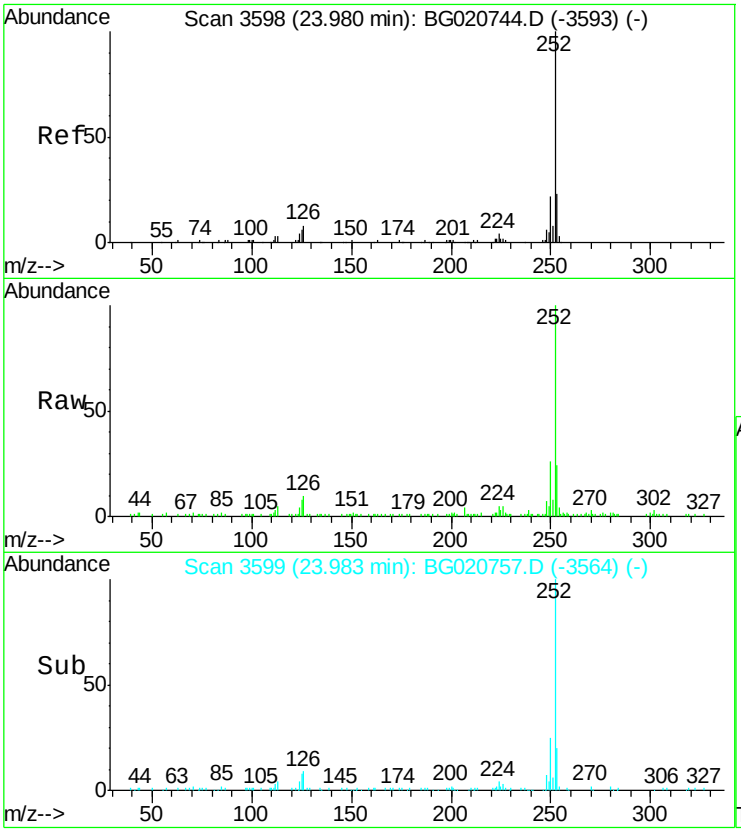


#88
Benzo(b)fluoranthene
Concen: 17.85 ng/ul
RT: 23.92 min Scan# 3589
Delta R.T. 0.01 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:252 Resp: 156387

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	7.8	4.9	7.3#





#89
Benzo(k)fluoranthene
Concen: 6.63 ng/ul m
RT: 23.98 min Scan# 3599
Delta R.T. 0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:252 Resp: 57343

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	8.2	5.4	8.0#

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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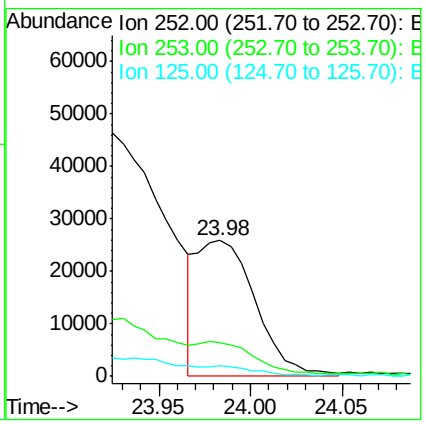
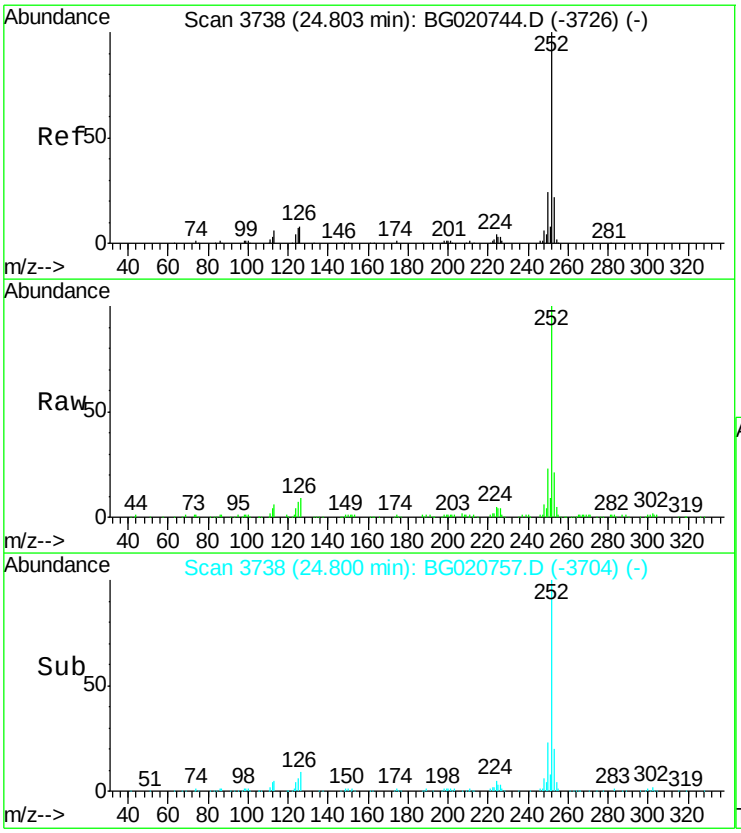
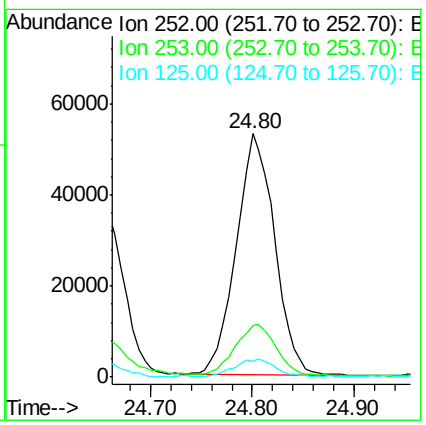


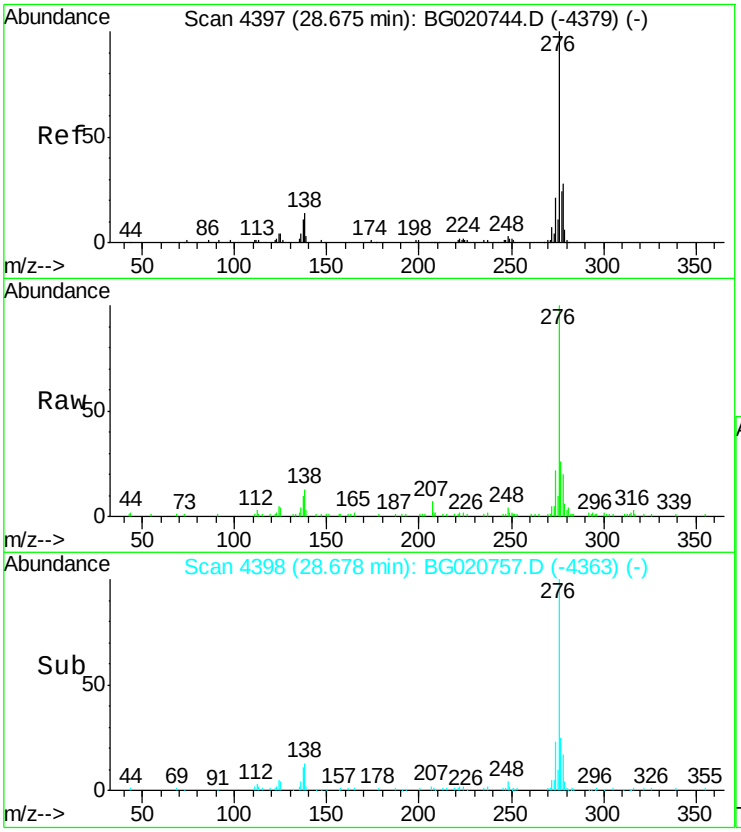


#91
Benzo(a)pyrene
Concen: 16.49 ng/ul
RT: 24.80 min Scan# 3738
Delta R.T. -0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:252 Resp: 139041

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.2	25.8
125	6.5	5.8	8.6





#92
Indeno(1,2,3-cd)pyrene
Concen: 7.71 ng/ul
RT: 28.68 min Scan# 4398
Delta R.T. 0.00 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:276 Resp: 76680

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.9	16.3
277	26.3	18.9	28.3

Instrument :
BNA_G
ClientSampleId :
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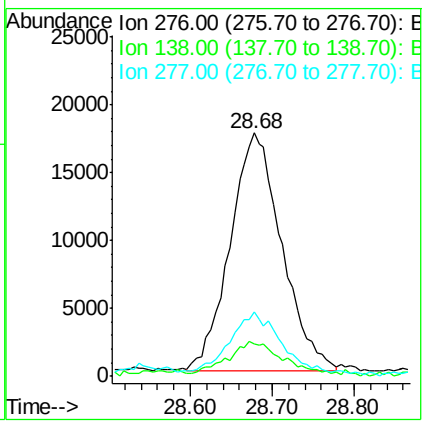
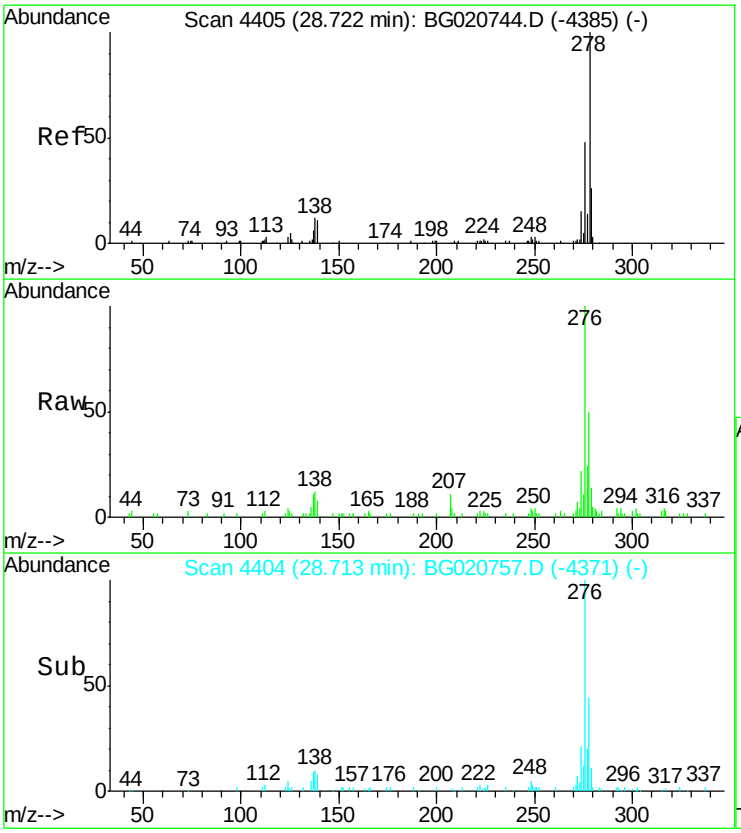
Manual Integrations APPROVED
Sohil
1/16/2016 3:03:39 AM

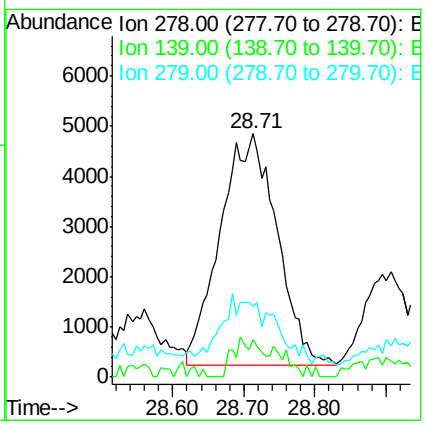


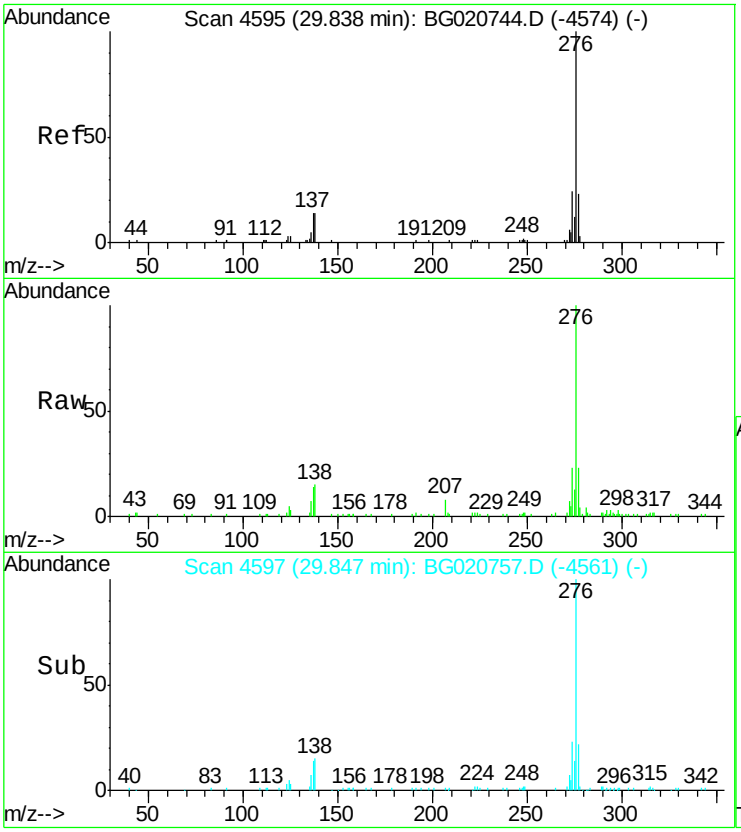


#93
Dibenzo(a,h)anthracene
Concen: 3.11 ng/ul m
RT: 28.71 min Scan# 4404
Delta R.T. -0.01 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:278 Resp: 25498

Ion	Ratio	Lower	Upper
278	100		
139	15.3	9.0	13.4#
279	28.9	19.1	28.7#

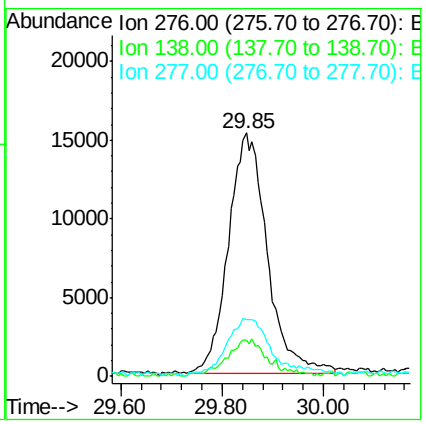




#94
Benzo(g,h,i)perylene
Concen: 9.86 ng/ul m
RT: 29.85 min Scan# 4597
Delta R.T. 0.01 min
Lab File: BG020757.D
Acq: 15 Jan 2016 18:00

Tgt Ion:276 Resp: 80926

Ion	Ratio	Lower	Upper
276	100		
138	15.1	11.2	16.8
277	23.5	19.0	28.6



Instrument :
BNA_G
ClientSampleId :
BC9F8

Manual Integrations APPROVED
Sohil
1/16/2016 3:03:39 AM