Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025102.D
Acq On : 11 Dec 2016 13:34
Operator : UM/SJ
Sample : H5905-06MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA806MSD

Manual Integrations APPROVED
Sohil
12/12/2016 4:30:14 PM

Quant Time: Dec 12 08:56:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	103614	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	433082	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	340150	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	731635	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	859441	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	878720	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.60	96	13222	6.59	ng/uL	0.00
5) Phenol-d5	7.38	99	261505	29.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	166872	30.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	179826	28.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	214122	28.66	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	100488	32.77	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	122787	32.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	213486	29.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	94364	13.06	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	696272	29.76	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	792794	30.93	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	106593	26.51	ng/ul	0.00
57) Fluorene-d10	15.85	176	639920	29.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	135959	30.05	ng/ul	0.00
70) Anthracene-d10	17.70	188	967368	31.33	ng/ul	0.00
76) Pyrene-d10	19.97	212	1130485	31.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1126158	31.63	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.41	94	301394	32.85	ng/ul	95
10) 2-Chlorophenol	7.80	128	177874	28.30	ng/ul	90
15) N-Nitroso-di-n-propylamine	9.04	70	185130	28.20	ng/ul	95
28) Naphthalene	11.11	128	29440	1.46	ng/ul	99
33) 4-Chloro-3-methylphenol	12.32	107	258696	29.40	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	20088	1.26	ng/ul	96
44) Dimethylphthalate	14.29	163	196006	8.52	ng/ul#	98
49) Acenaphthene	14.92	153	543678	31.85	ng/ul	98
52) 4-Nitrophenol	15.07	109	129200	26.71	ng/ul#	81
54) 2,4-Dinitrotoluene	15.22	165	223045	29.95	ng/ul	98
68) Pentachlorophenol	17.24	266	167422	29.96	ng/ul	93
69) Phenanthrene	17.64	178	212307	6.08	ng/ul	97
71) Anthracene	17.73	178	45339	1.26	ng/ul#	95
74) Fluoranthene	19.64	202	418989	10.10	ng/ul	99
77) Pyrene	20.00	202	1632364	39.51	ng/ul	98
80) Benzo(a)anthracene	21.87	228	311026	6.97	ng/ul	96
82) Chrysene	21.94	228	320945	7.68	ng/ul	92
85) Benzo(b)fluoranthene	24.21	252	514193	11.80	ng/ul	98
86) Benzo(k)fluoranthene	24.28	252	164223	3.96	ng/ul	97
88) Benzo(a)pyrene	25.13	252	329133	7.86	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.21	276	267585m	5.14	ng/ul	
91) Benzo(g,h,i)perylene	30.45	276	206389m	4.75	ng/ul	

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Sample : H5905-06MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Dec 12 08:56:40 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
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Manual Integrations APPROVED
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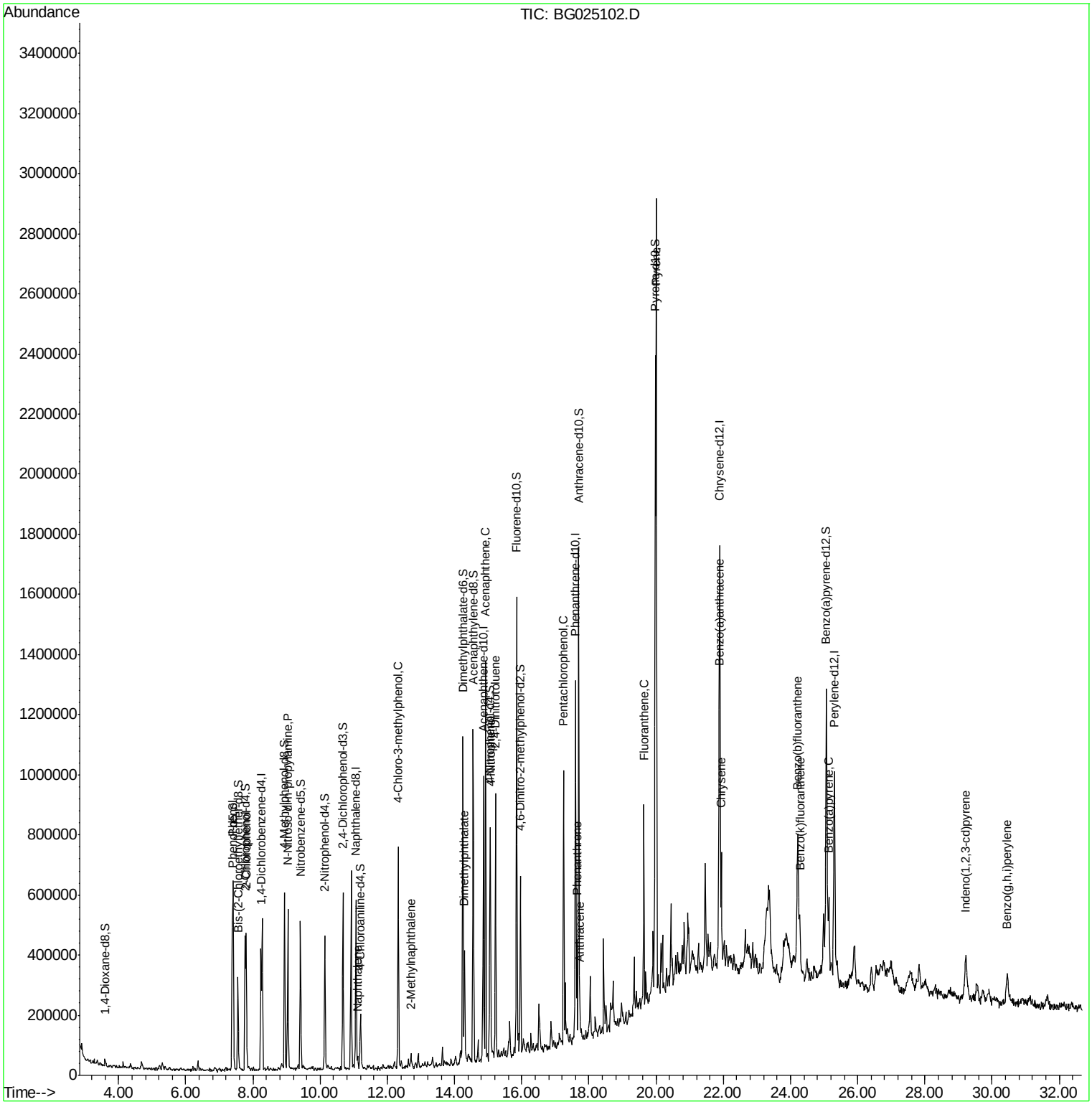
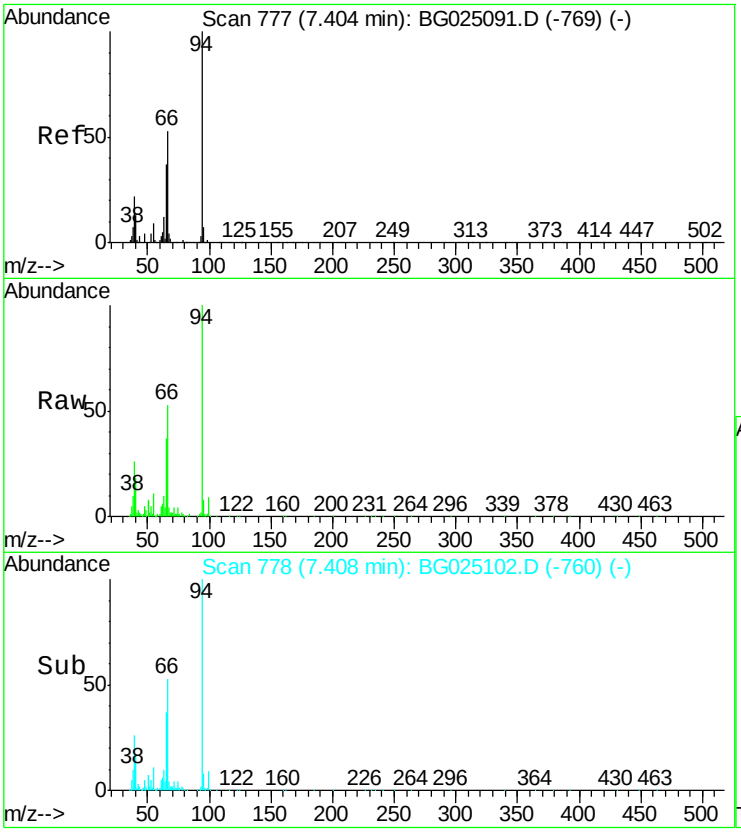
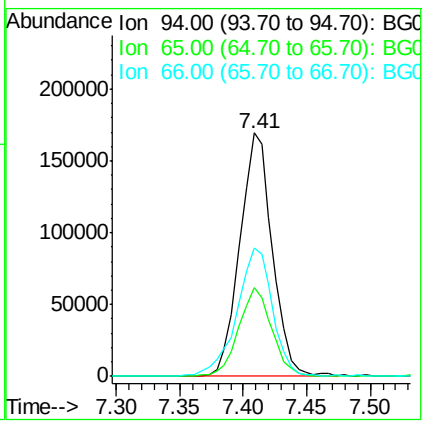




#6
Phenol
Concen: 32.85 ng/ul
RT: 7.41 min Scan# 778
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion: 94 Resp: 301394

Ion	Ratio	Lower	Upper
94	100		
65	36.7	26.8	40.2
66	52.7	44.4	66.6



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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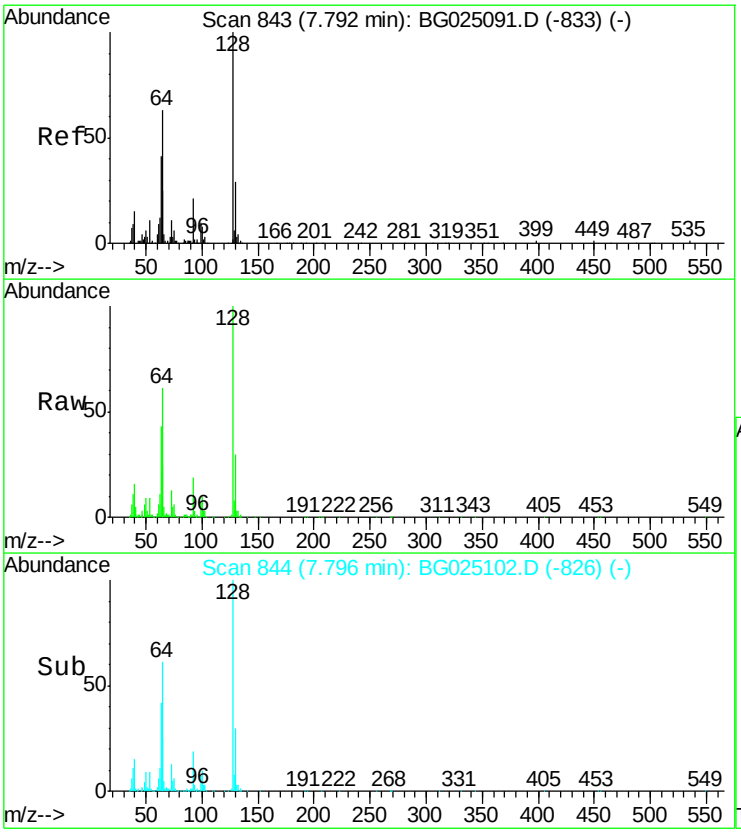
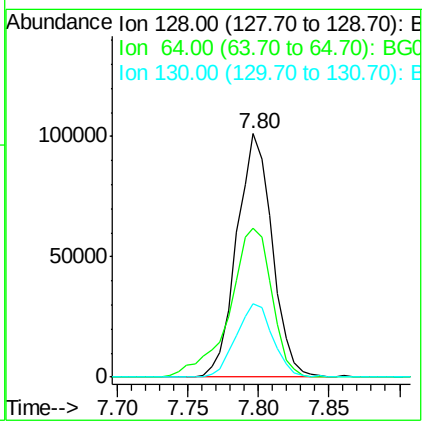
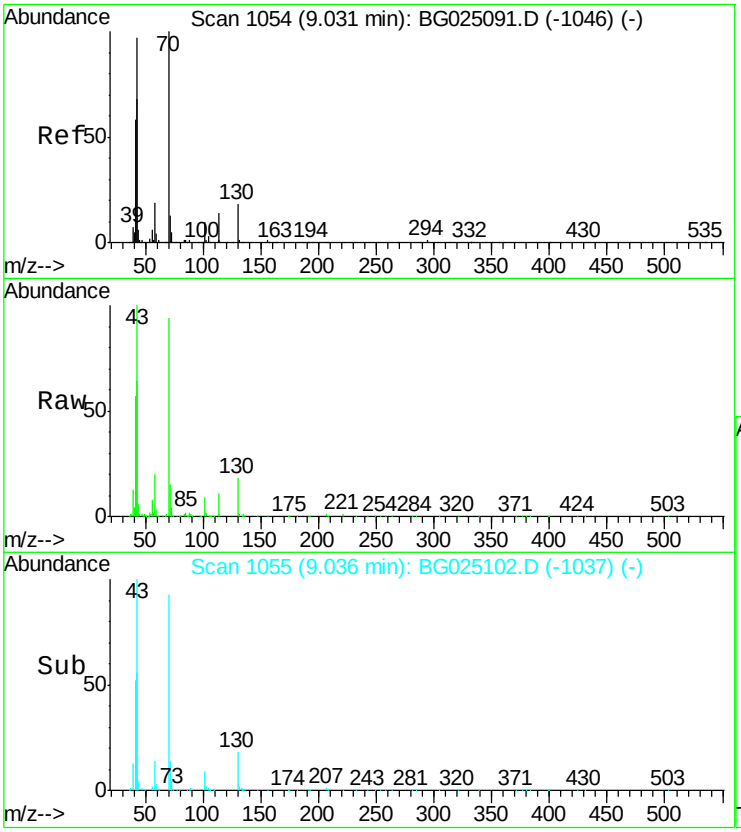


#10
2-Chlorophenol
Concen: 28.30 ng/ul
RT: 7.80 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:128 Resp: 177874

Ion	Ratio	Lower	Upper
128	100		
64	61.1	56.3	84.5
130	30.0	26.7	40.1

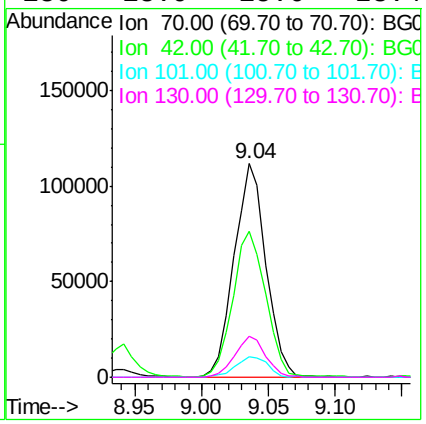




#15
N-Nitroso-di-n-propylamine
Concen: 28.20 ng/ul
RT: 9.04 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion: 70 Resp: 185130

Ion	Ratio	Lower	Upper
70	100		
42	68.2	59.0	88.6
101	9.6	6.6	9.8
130	18.9	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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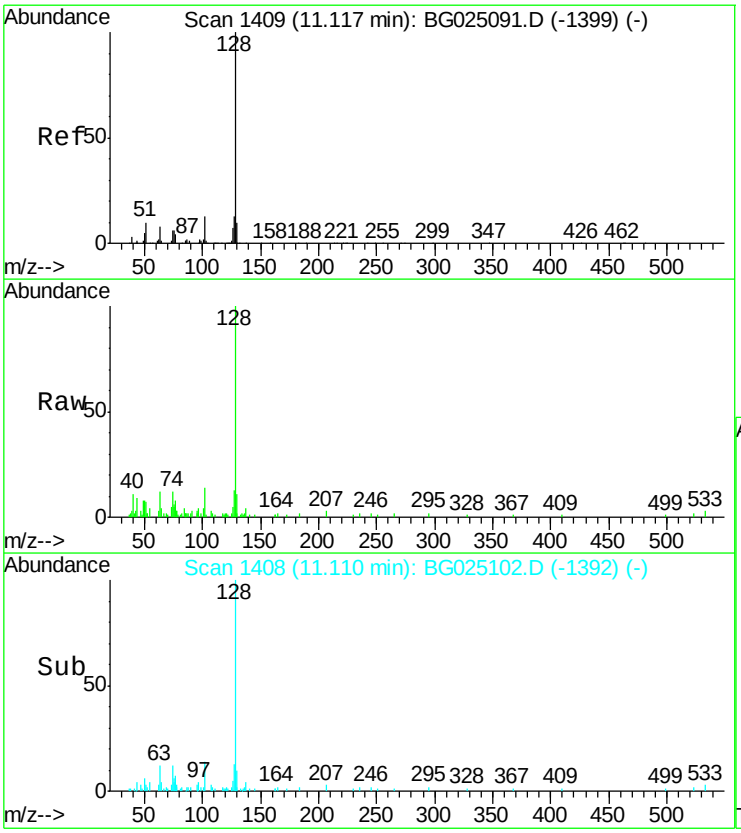
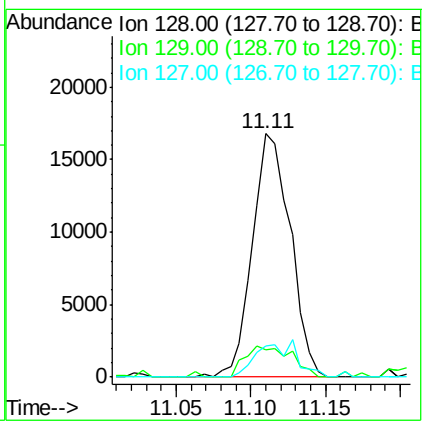
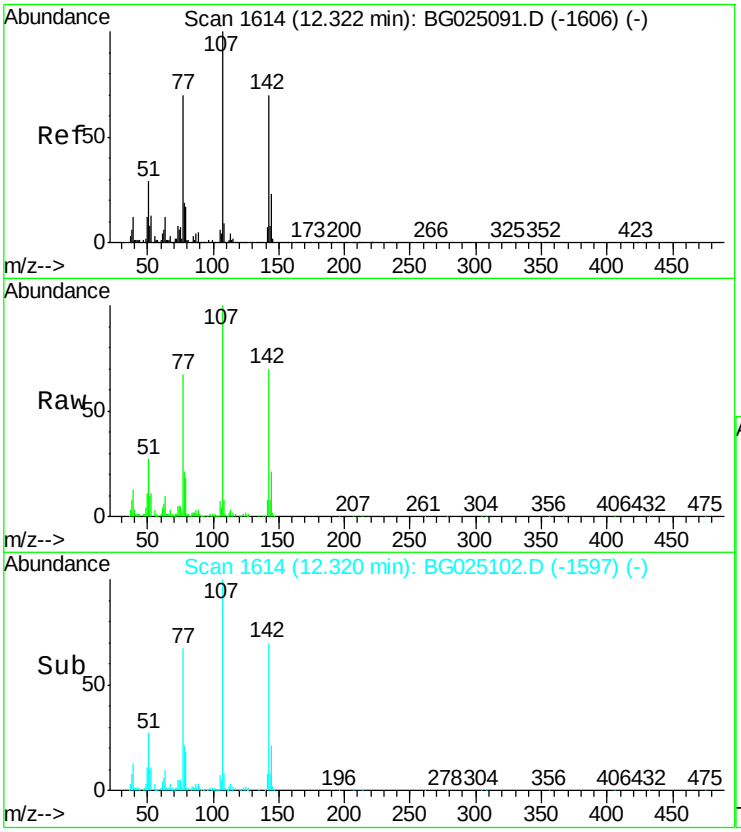


#28
Naphthalene
Concen: 1.46 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:128 Resp: 29440

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	12.8	10.3	15.5

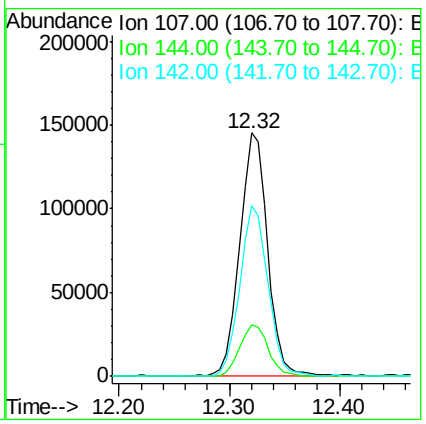




#33
4-Chloro-3-methylphenol
Concen: 29.40 ng/ul
RT: 12.32 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:107 Resp: 258696

Ion	Ratio	Lower	Upper
107	100		
144	21.3	18.2	27.4
142	69.9	55.0	82.4



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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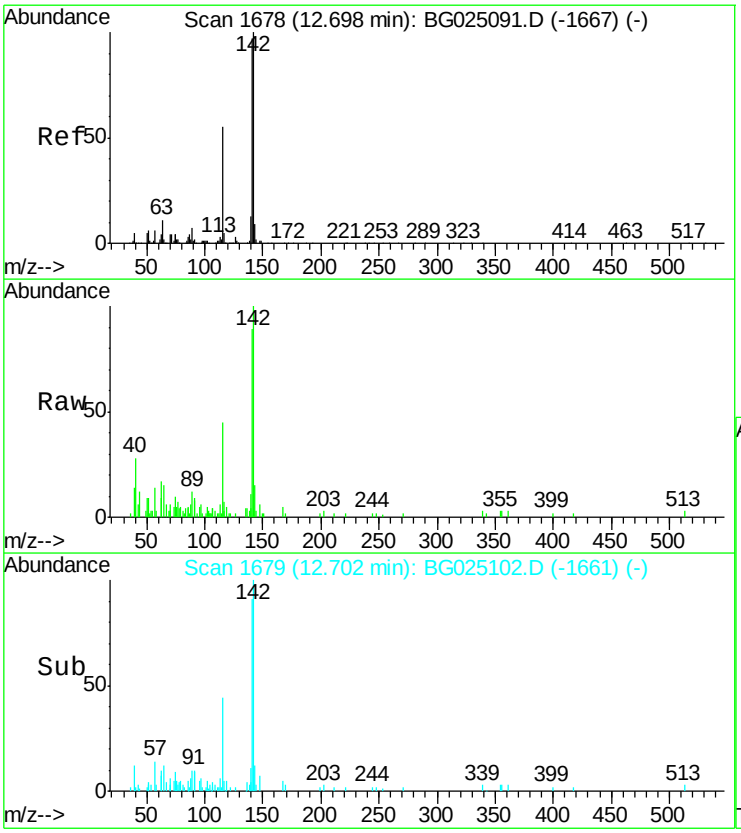
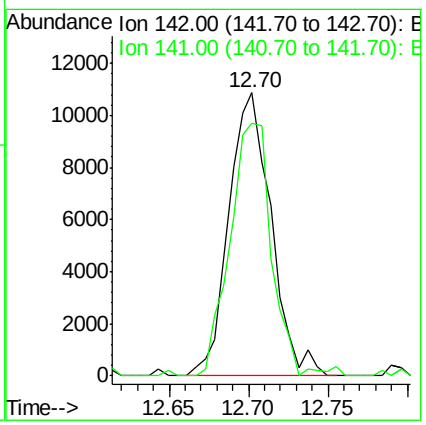
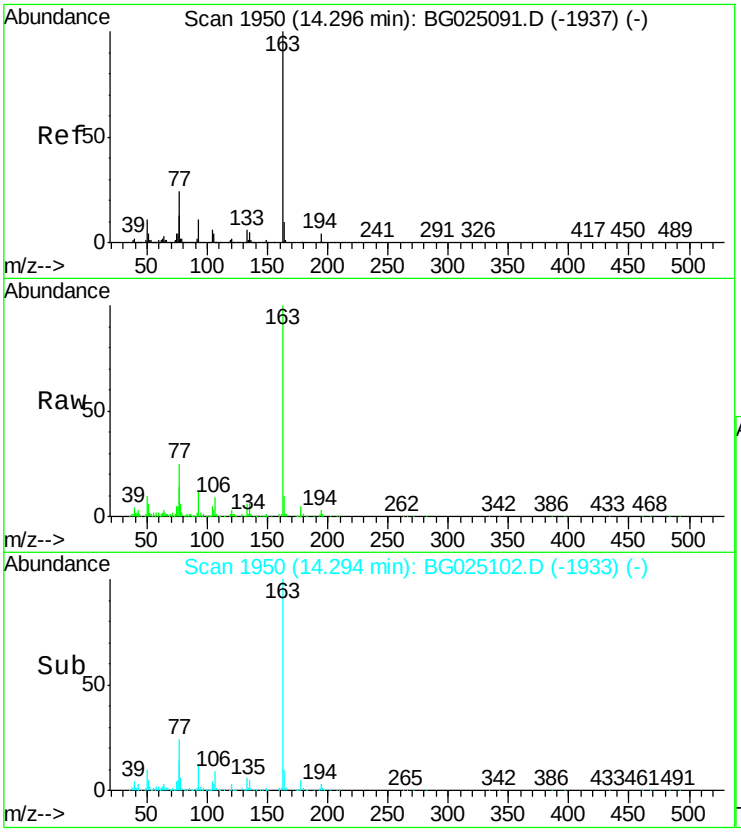


#34
2-Methylnaphthalene
Concen: 1.26 ng/ul
RT: 12.70 min Scan# 1679
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:142 Resp: 20088

Ion	Ratio	Lower	Upper
142	100		
141	89.4	68.6	102.8

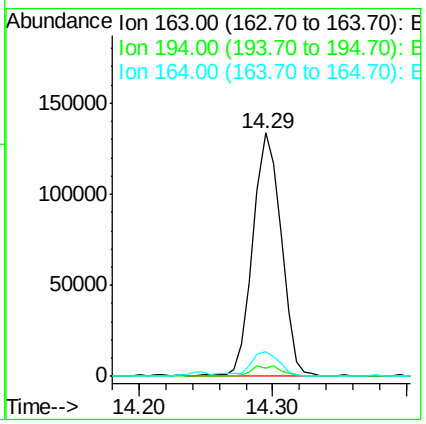




#44
Dimethylphthalate
Concen: 8.52 ng/ul
RT: 14.29 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:163 Resp: 196006

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.4	5.0#
164	10.4	9.0	13.4



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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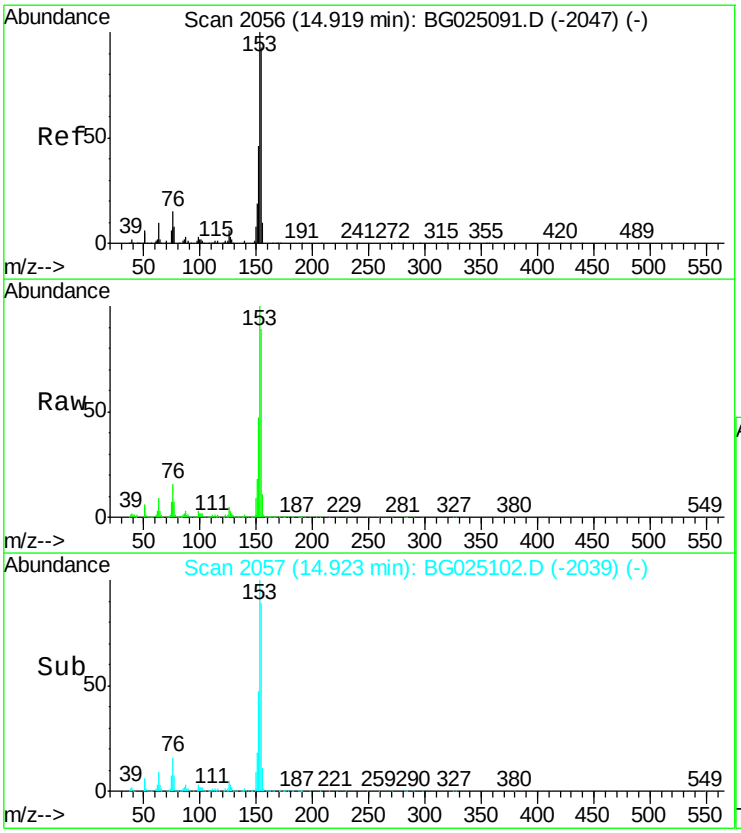
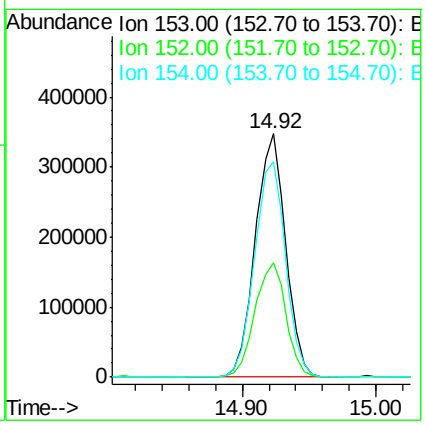
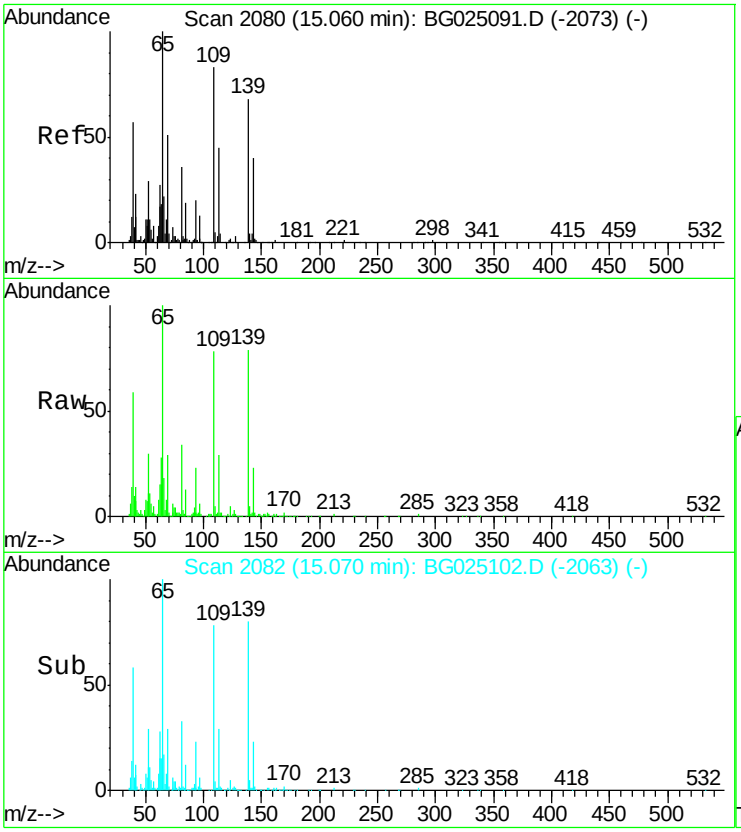


#49
Acenaphthene
Concen: 31.85 ng/ul
RT: 14.92 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:153 Resp: 543678

Ion	Ratio	Lower	Upper
153	100		
152	46.9	36.5	54.7
154	88.6	72.3	108.5





#52
4-Nitrophenol
Concen: 26.71 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. 0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:109 Resp: 129200

Ion	Ratio	Lower	Upper
109	100		
139	101.6	62.6	93.8#
65	128.4	90.4	135.6

Instrument :
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ClientSampleId :
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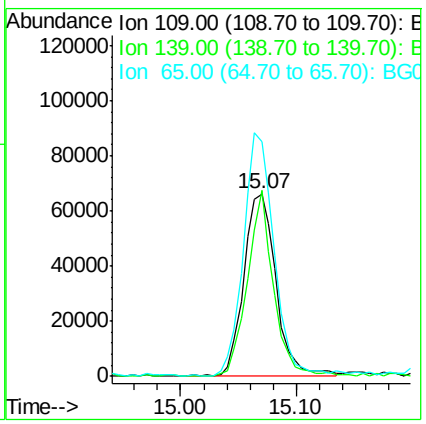
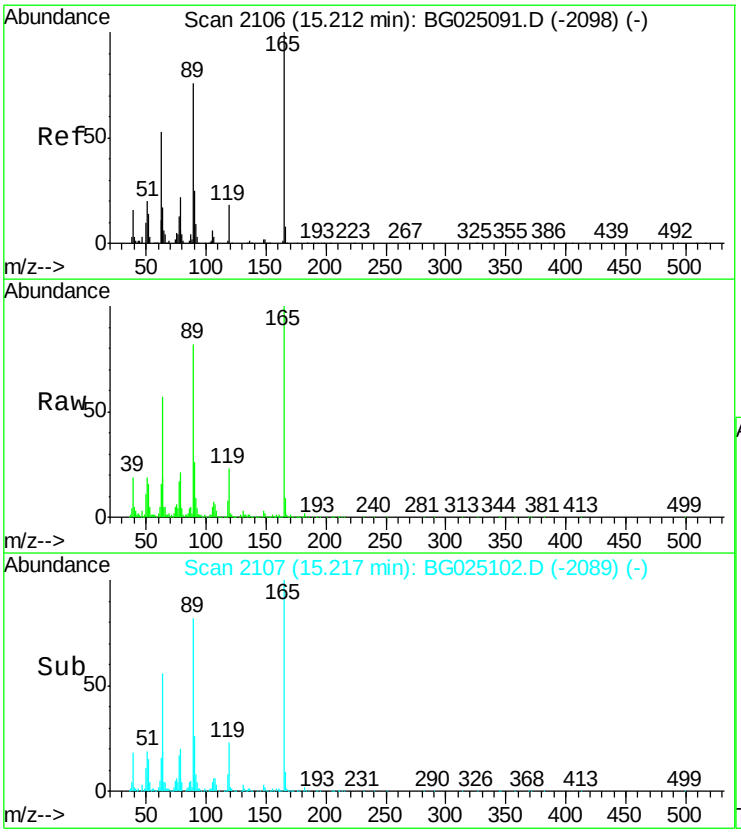
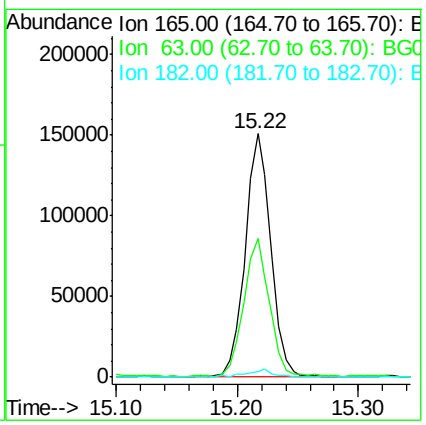


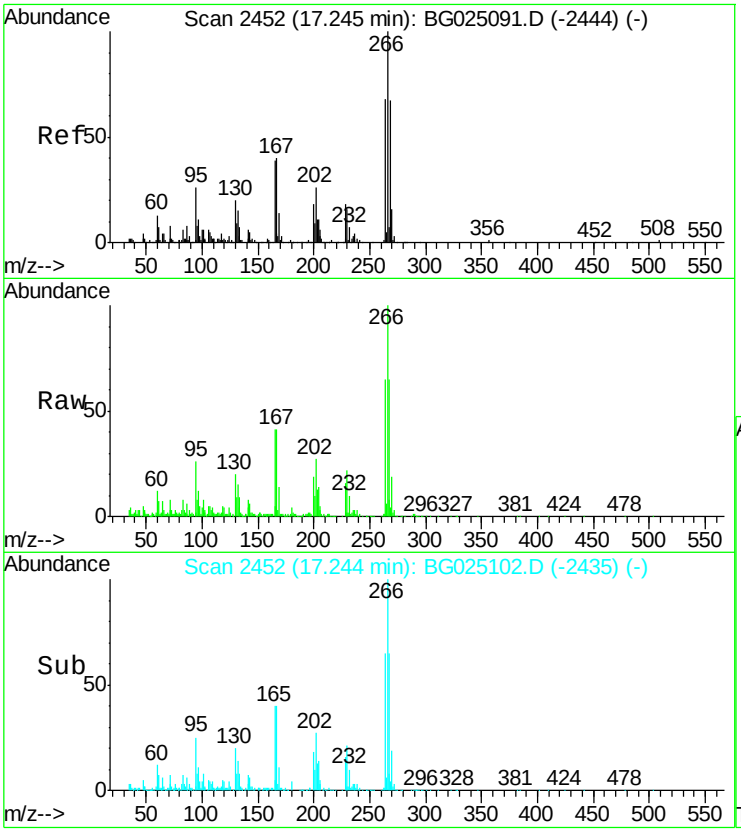


#54
2,4-Dinitrotoluene
Concen: 29.95 ng/ul
RT: 15.22 min Scan# 2107
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:165 Resp: 223045

Ion	Ratio	Lower	Upper
165	100		
63	56.7	46.8	70.2
182	2.3	1.8	2.6

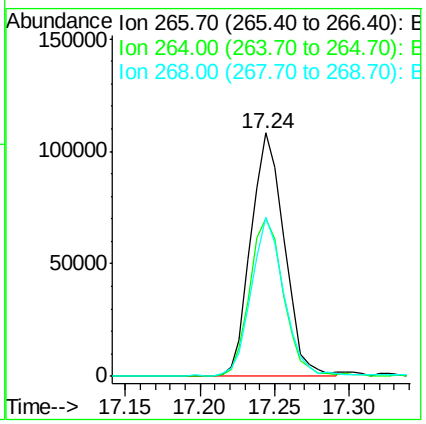




#68
Pentachlorophenol
Concen: 29.96 ng/ul
RT: 17.24 min Scan# 2452
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:266 Resp: 167422

Ion	Ratio	Lower	Upper
266	100		
264	65.1	47.1	70.7
268	65.3	56.2	84.4



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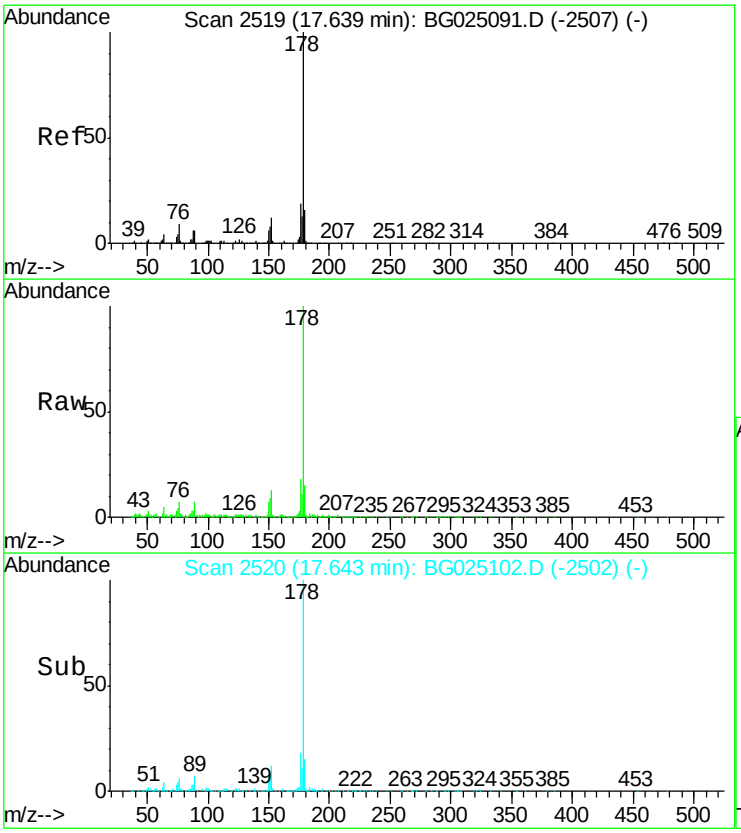
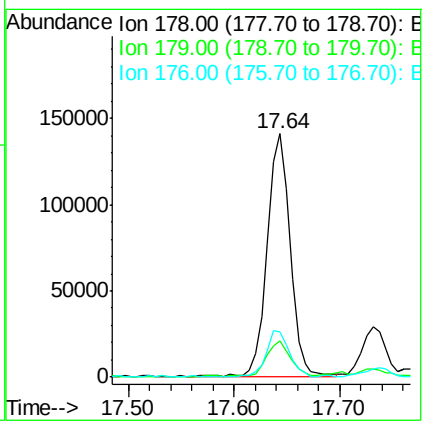
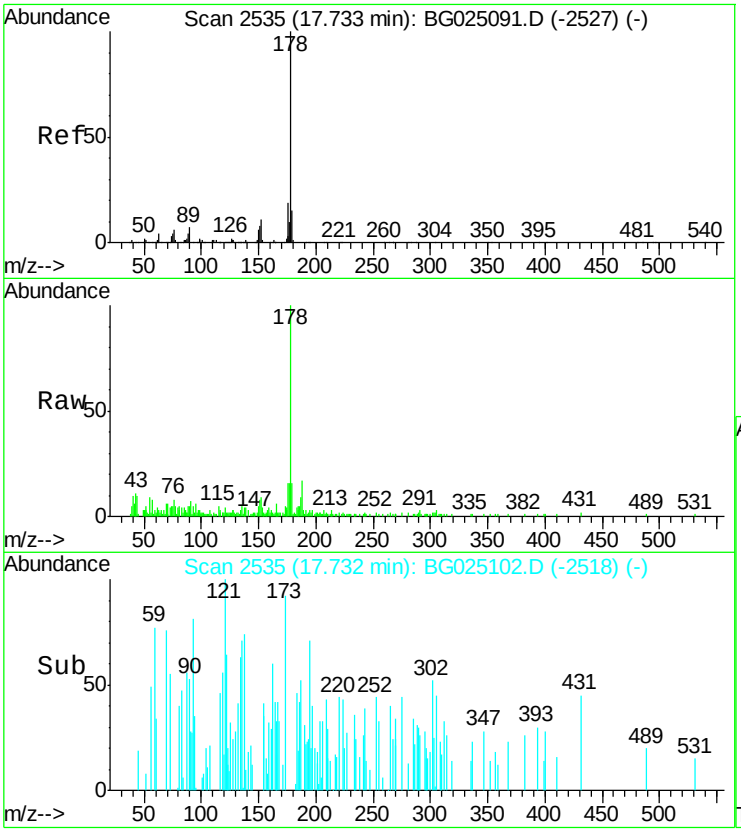


#69
Phenanthrene
Concen: 6.08 ng/ul
RT: 17.64 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:178 Resp: 212307

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.4	18.6
176	18.4	16.5	24.7

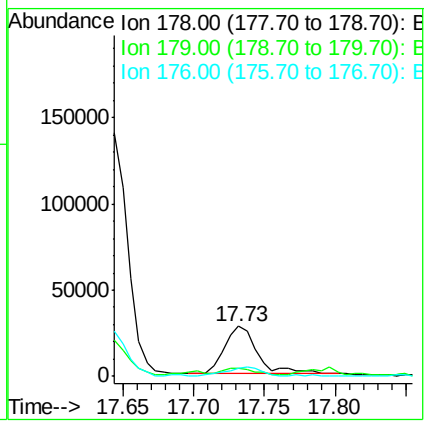




#71
Anthracene
Concen: 1.26 ng/ul
RT: 17.73 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:178 Resp: 45339

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	15.9	15.9	23.9#



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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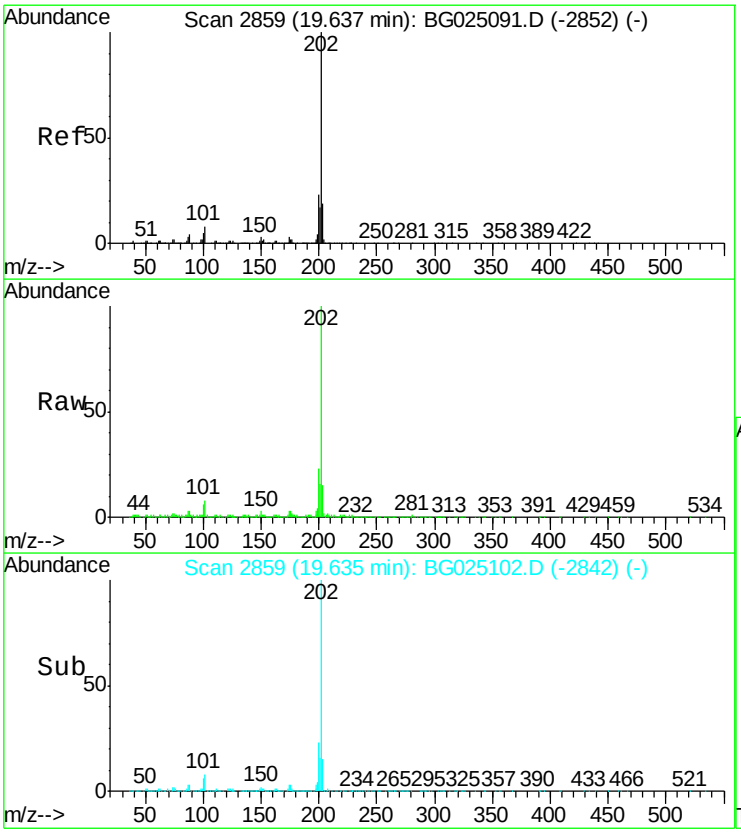
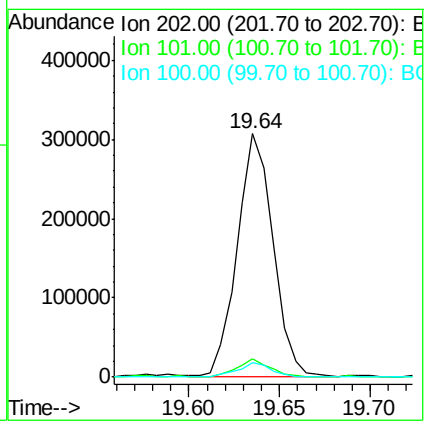
12/12/2016 4:30:14 PM

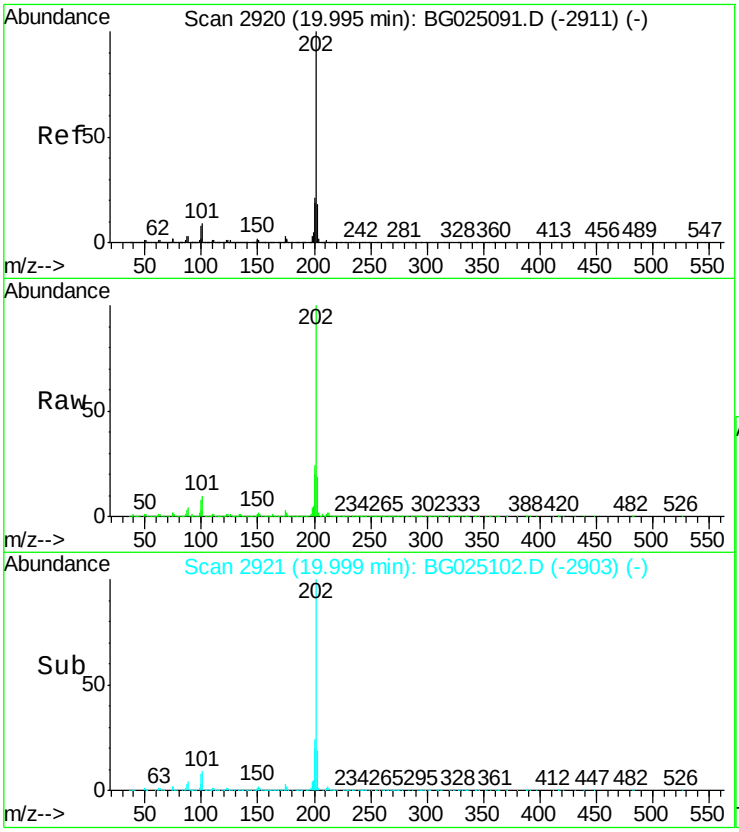


#74
Fluoranthene
Concen: 10.10 ng/ul
RT: 19.64 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:202 Resp: 418989

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.2
100	5.9	5.2	7.8

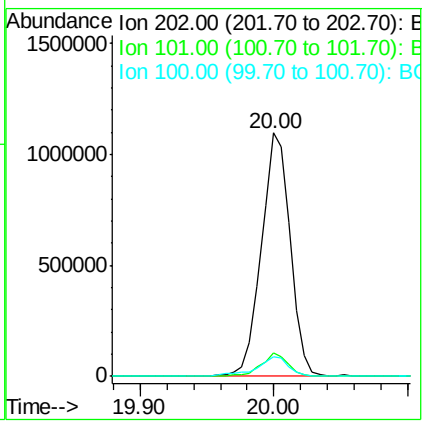




#77
Pyrene
Concen: 39.51 ng/ul
RT: 20.00 min Scan# 2921
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:202 Resp: 1632364

Ion	Ratio	Lower	Upper
202	100		
101	9.5	6.9	10.3
100	7.9	6.6	10.0



Instrument :
BNA_G
ClientSampleId :
DA806MSD

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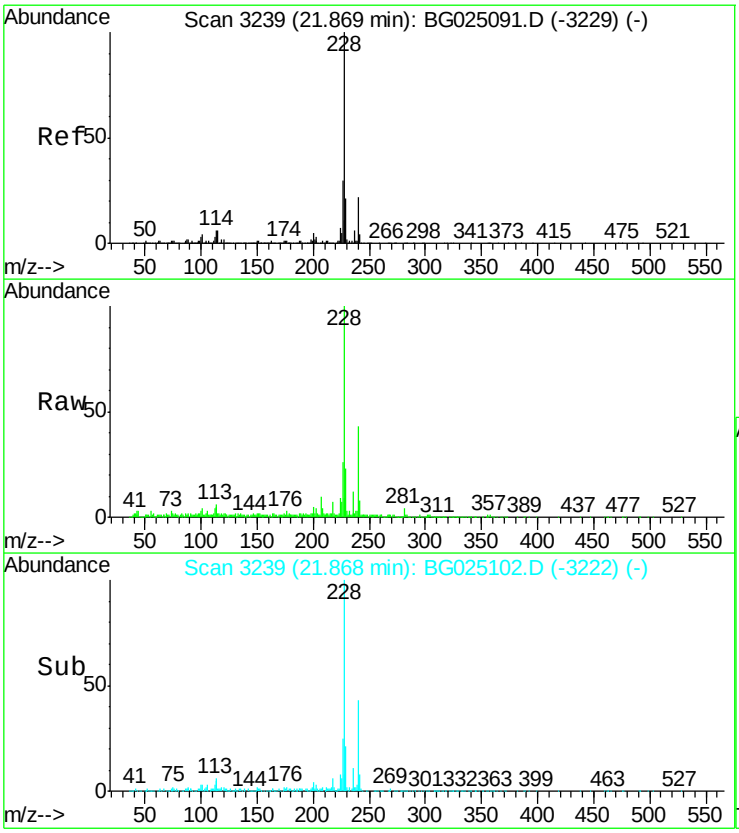
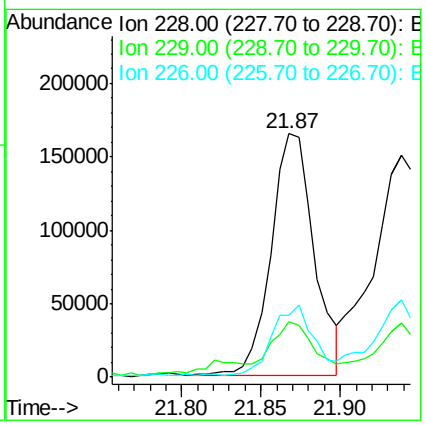
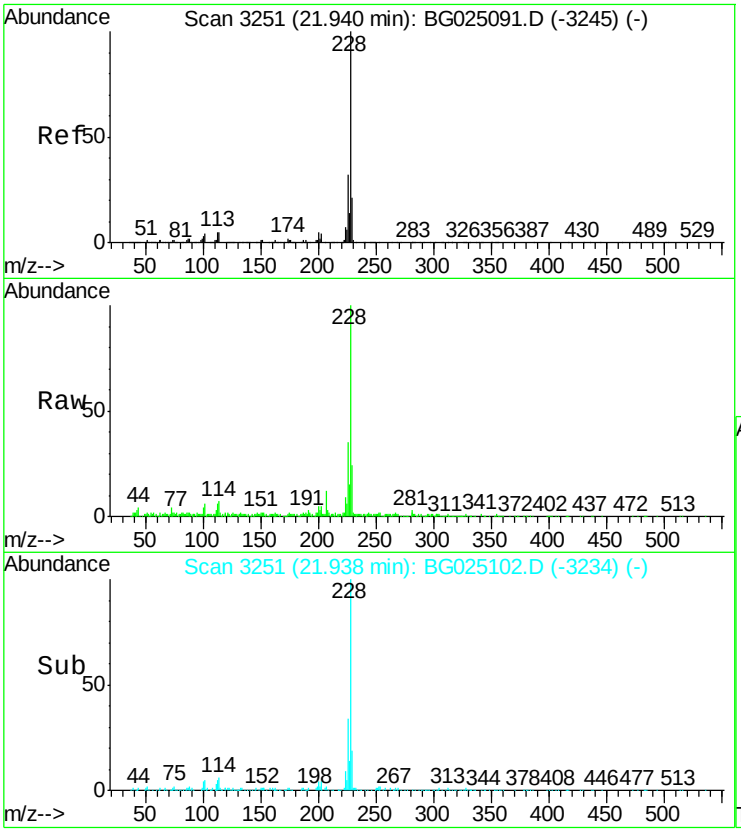


#80
Benzo(a)anthracene
Concen: 6.97 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:228 Resp: 311026

Ion	Ratio	Lower	Upper
228	100		
229	22.9	16.3	24.5
226	25.6	21.9	32.9

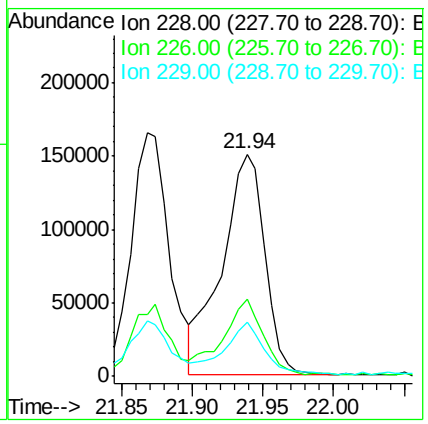




#82
Chrysene
Concen: 7.68 ng/ul
RT: 21.94 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:228 Resp: 320945

Ion	Ratio	Lower	Upper
228	100		
226	34.6	24.0	36.0
229	24.2	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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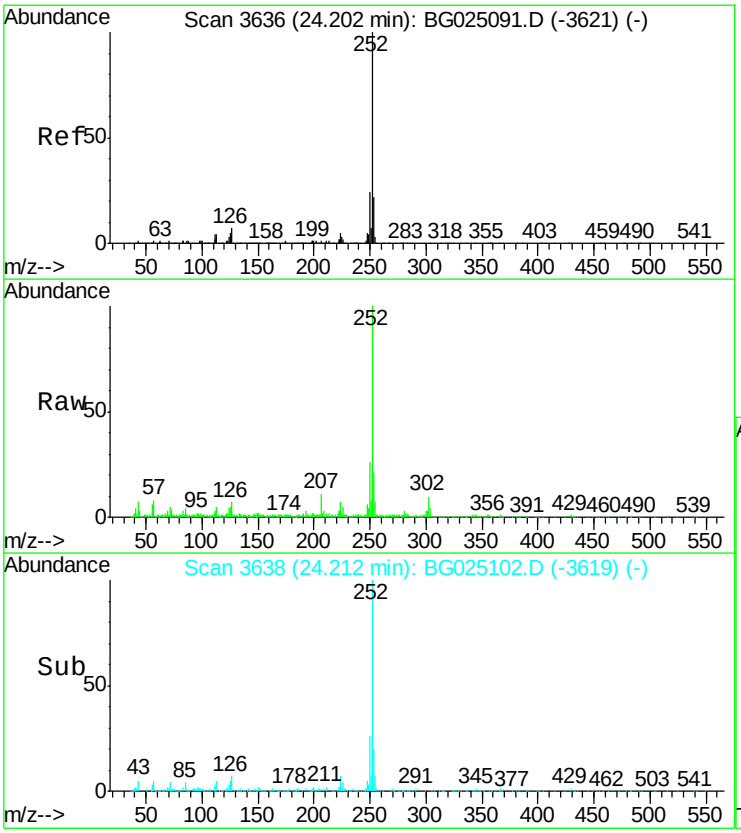
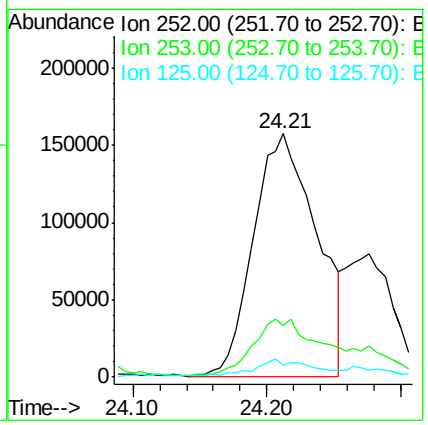
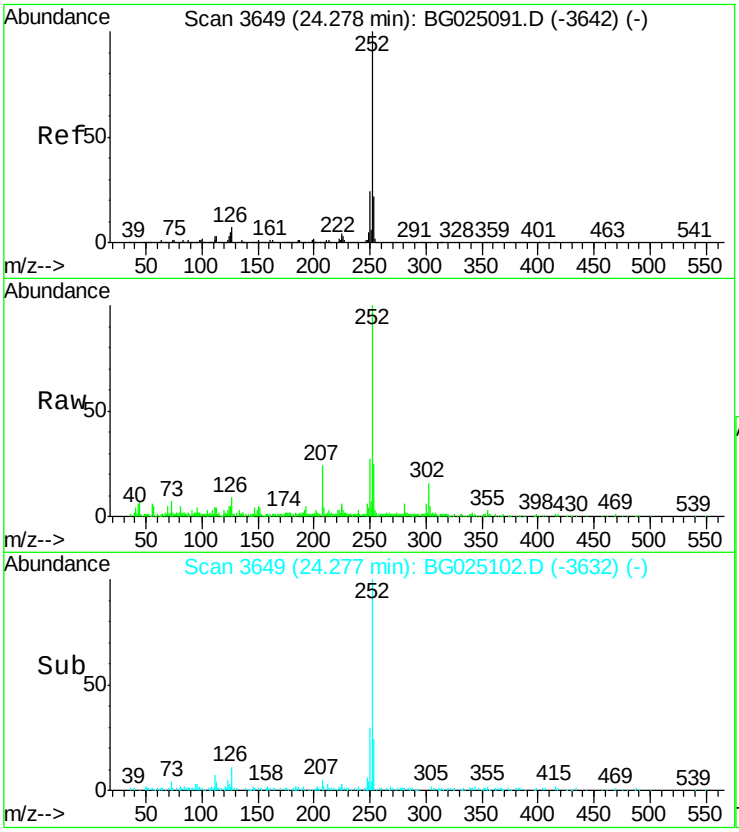


#85
Benzo(b)fluoranthene
Concen: 11.80 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. 0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:252 Resp: 514193

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	5.0	4.0	6.0

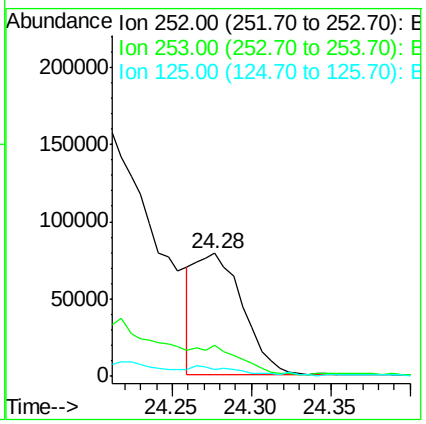




#86
Benzo(k)fluoranthene
Concen: 3.96 ng/ul
RT: 24.28 min Scan# 3649
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:252 Resp: 164223

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.5	27.7
125	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
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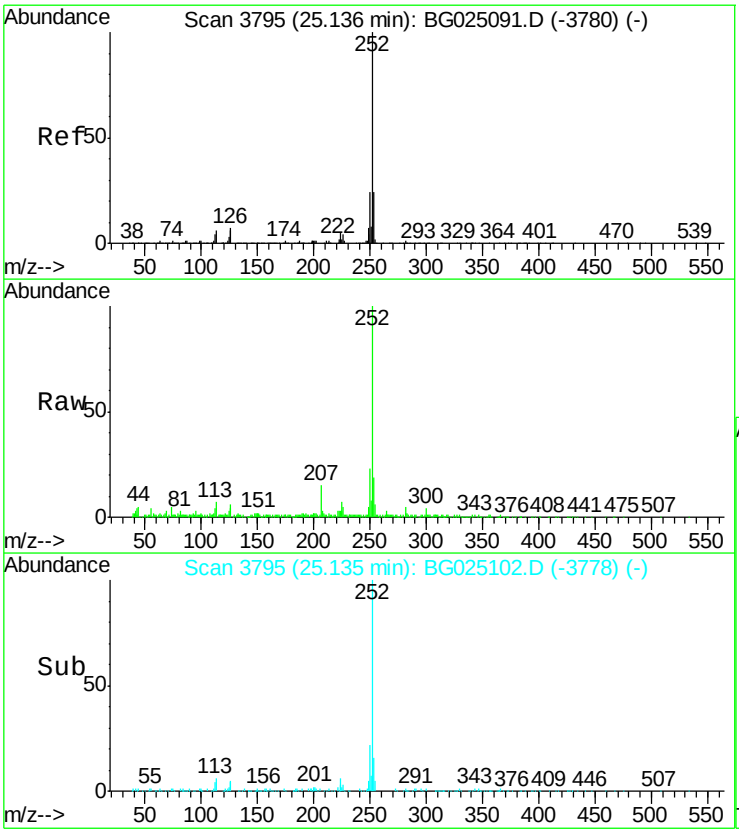
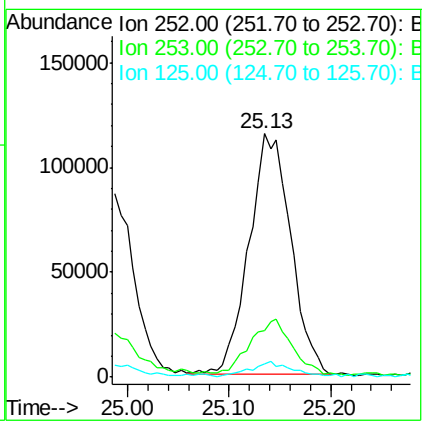
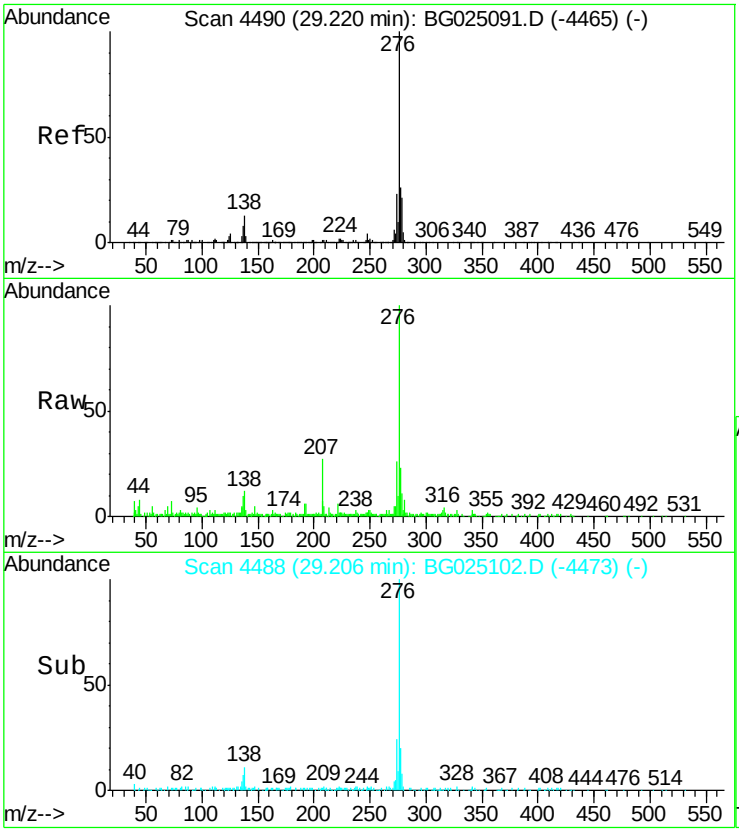


#88
Benzo(a)pyrene
Concen: 7.86 ng/ul
RT: 25.13 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:252 Resp: 329133

Ion	Ratio	Lower	Upper
252	100		
253	19.3	17.8	26.6
125	5.5	5.4	8.0

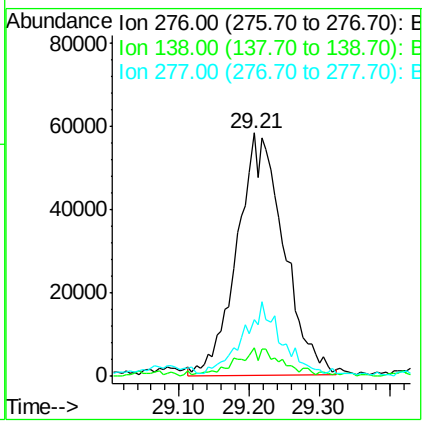




#89
Indeno(1,2,3-cd)pyrene
Concen: 5.14 ng/ul m
RT: 29.21 min Scan# 4488
Delta R.T. -0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:276 Resp: 267585

Ion	Ratio	Lower	Upper
276	100		
138	11.7	8.2	12.4
277	23.1	18.6	28.0



Instrument :
BNA_G
ClientSampleId :
DA806MSD

Manual Integrations APPROVED
Sohil
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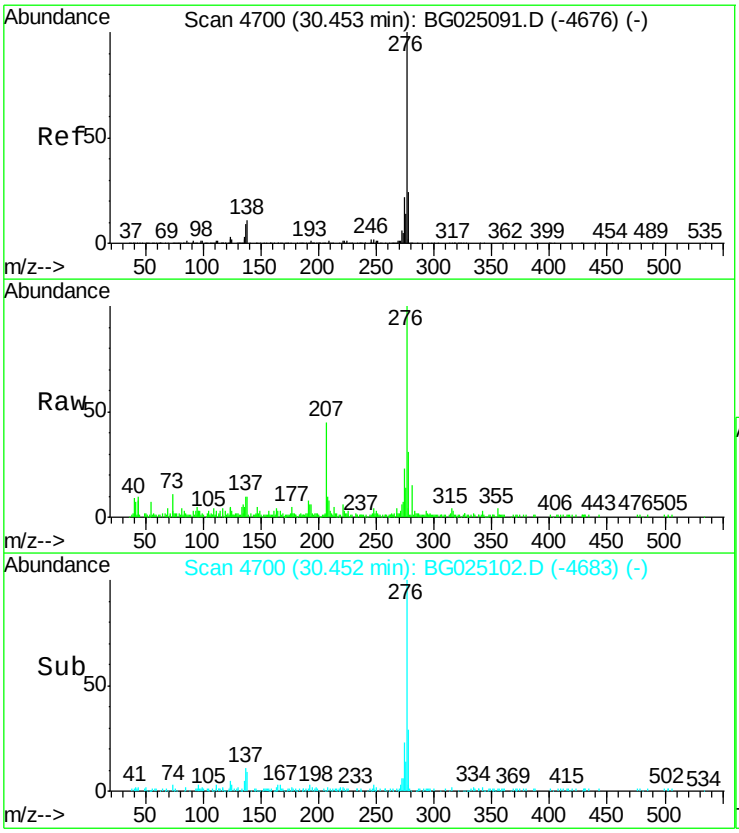

#91
Benzo(g,h,i)perylene
Concen: 4.75 ng/ul m
RT: 30.45 min Scan# 4700
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:276 Resp: 206389

Ion	Ratio	Lower	Upper
276	100		
138	10.4	8.6	12.8
277	30.5	17.6	26.4#