Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
Data File : BG025039.D
Acq On : 9 Dec 2016 16:05
Operator : UM/SJ
Sample : H5863-11MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

Manual Integrations APPROVED
Sohil
12/12/2016 4:28:15 PM

Quant Time: Dec 12 02:29:55 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 11 23:54:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	88369	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	362120	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	298351	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	612553	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	727666	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	755954	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.60	96	8911	5.21	ng/uL	0.00
5) Phenol-d5	7.39	99	193732	25.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	134665	28.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	152865	28.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	148190	23.26	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	86174	33.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	104301	32.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	183982	29.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	82046	13.58	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	670352	32.66	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	717790	31.93	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	66896	18.97	ng/ul	0.01
57) Fluorene-d10	15.85	176	603817	31.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	115636	30.53	ng/ul	0.00
70) Anthracene-d10	17.71	188	831681	32.17	ng/ul	0.00
76) Pyrene-d10	19.98	212	853750	28.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	885090	28.90	ng/ul	0.02
Target Compounds						Qvalue
6) Phenol	7.42	94	245944	31.43	ng/ul	94
10) 2-Chlorophenol	7.81	128	148716	27.75	ng/ul	87
11) 2-Methylphenol	8.69	108	7126	1.24	ng/ul#	65
15) N-Nitroso-di-n-propylamine	9.04	70	162865	29.08	ng/ul	88
16) 4-Methylphenol	9.01	108	11589	1.81	ng/ul	80
24) 2,4-Dimethylphenol	10.23	107	14534	1.96	ng/ul#	75
28) Naphthalene	11.12	128	22148	1.32	ng/ul#	89
33) 4-Chloro-3-methylphenol	12.33	107	205565	27.94	ng/ul	99
34) 2-Methylnaphthalene	12.72	142	26324	1.98	ng/ul	92
44) Dimethylphthalate	14.30	163	116432	5.77	ng/ul#	96
49) Acenaphthene	14.93	153	471096	31.47	ng/ul	94
52) 4-Nitrophenol	15.08	109	85659	20.19	ng/ul	92
54) 2,4-Dinitrotoluene	15.23	165	205445	31.46	ng/ul#	90
68) Pentachlorophenol	17.25	266	139138	29.74	ng/ul	93
69) Phenanthrene	17.65	178	66441	2.27	ng/ul#	85
74) Fluoranthene	19.64	202	348060	10.02	ng/ul#	98
77) Pyrene	20.01	202	1317022	37.65	ng/ul	98
80) Benzo(a)anthracene	21.89	228	306202m	8.10	ng/ul	
82) Chrysene	21.95	228	501215	14.17	ng/ul	95
85) Benzo(b)fluoranthene	24.23	252	1051302	28.05	ng/ul#	98
86) Benzo(k)fluoranthene	24.30	252	260588	7.31	ng/ul#	99
88) Benzo(a)pyrene	25.17	252	417375	11.58	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.24	276	527430m	11.77	ng/ul	

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Sample : H5863-11MSD
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Quant Time: Dec 12 02:29:55 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 11 23:54:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	29.30	278	154665m	4.10	ng/ul	
91) Benzo(g,h,i)perylene	30.50	276	420148m	11.24	ng/ul	

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

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BNA_G
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Manual Integrations APPROVED
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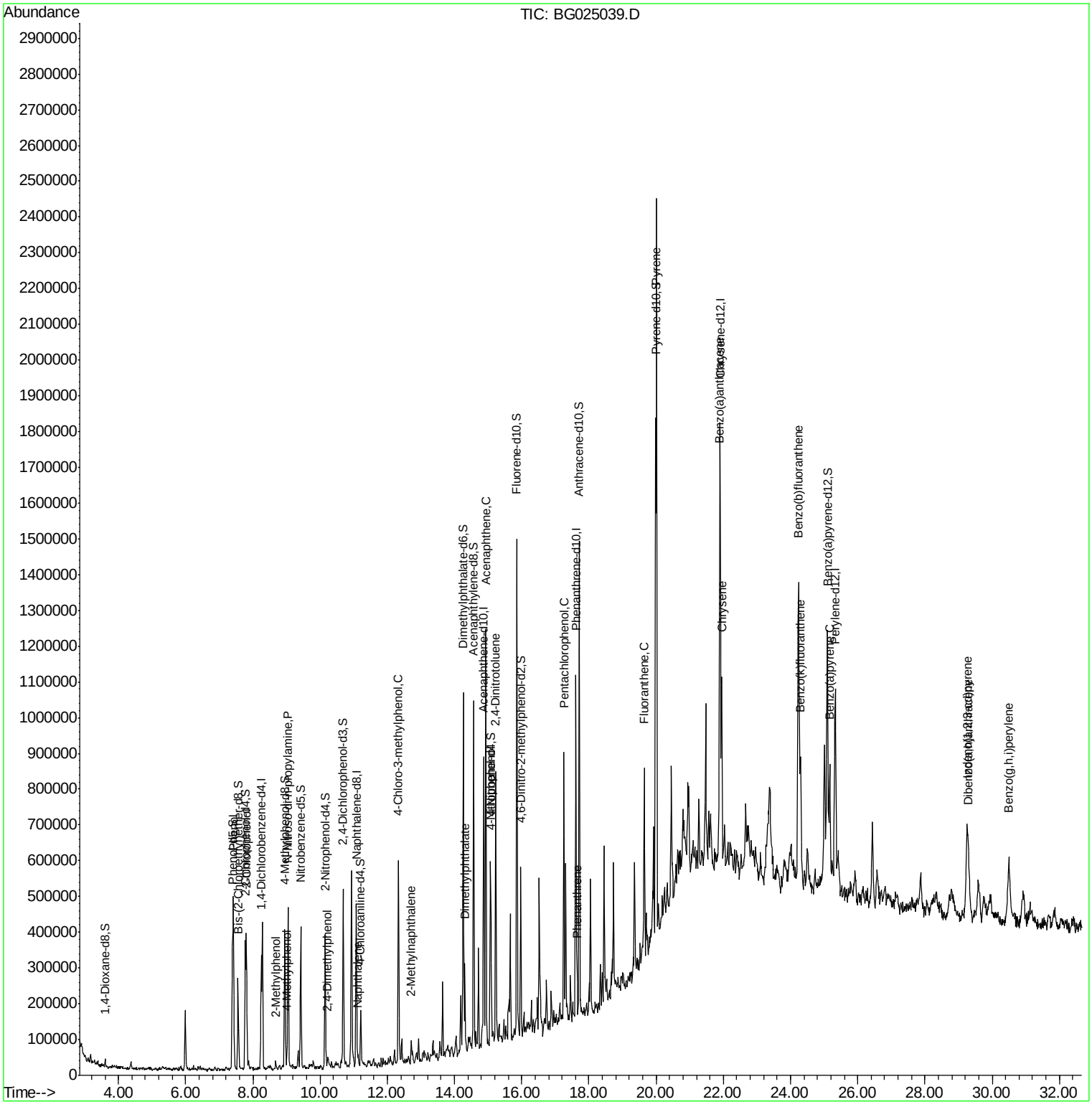
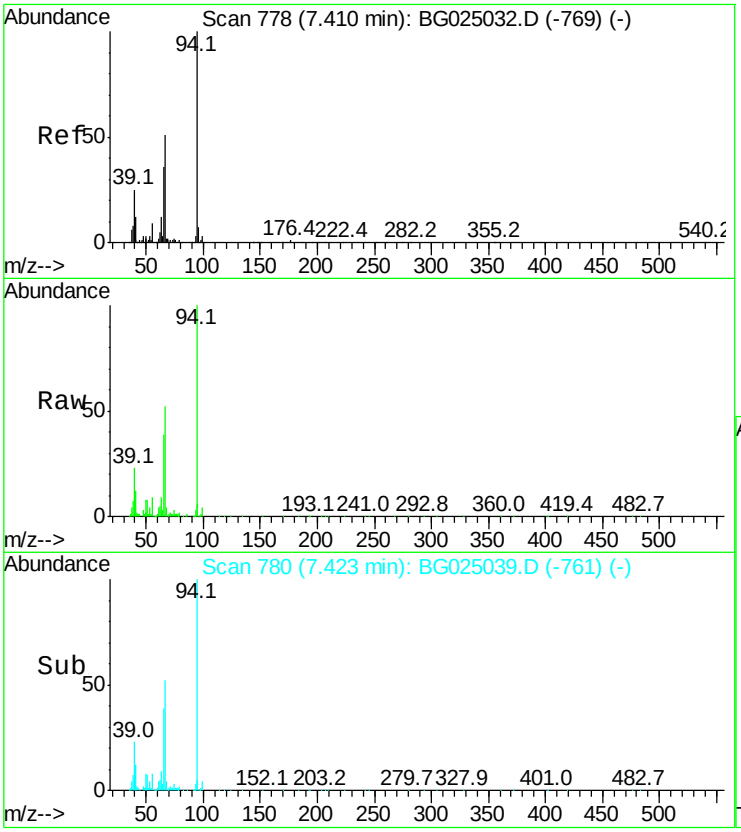
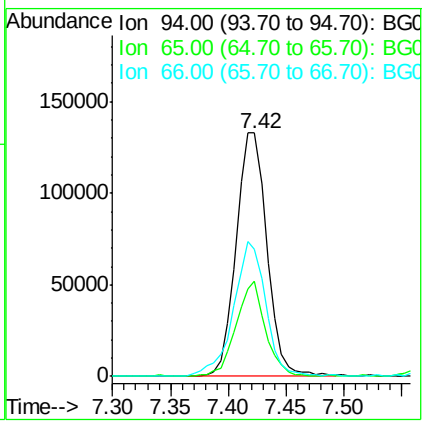




#6
Phenol
Concen: 31.43 ng/ul
RT: 7.42 min Scan# 780
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion: 94 Resp: 245944

Ion	Ratio	Lower	Upper
94	100		
65	39.0	26.8	40.2
66	52.2	44.4	66.6



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

Manual Integrations APPROVED
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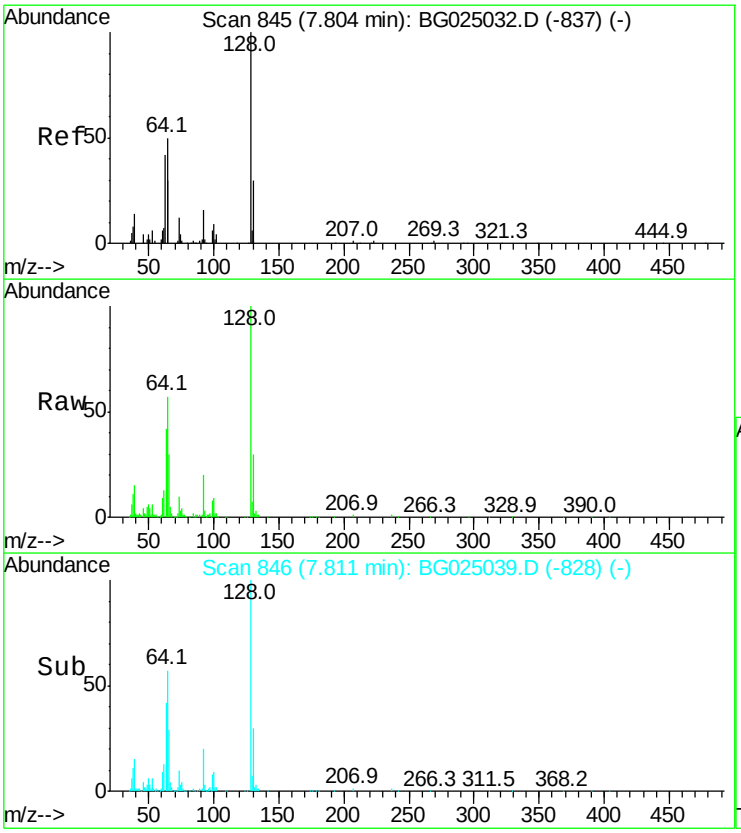
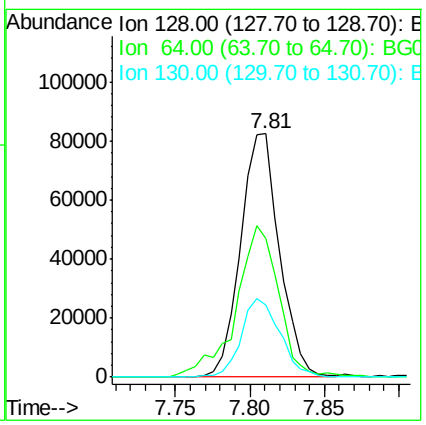
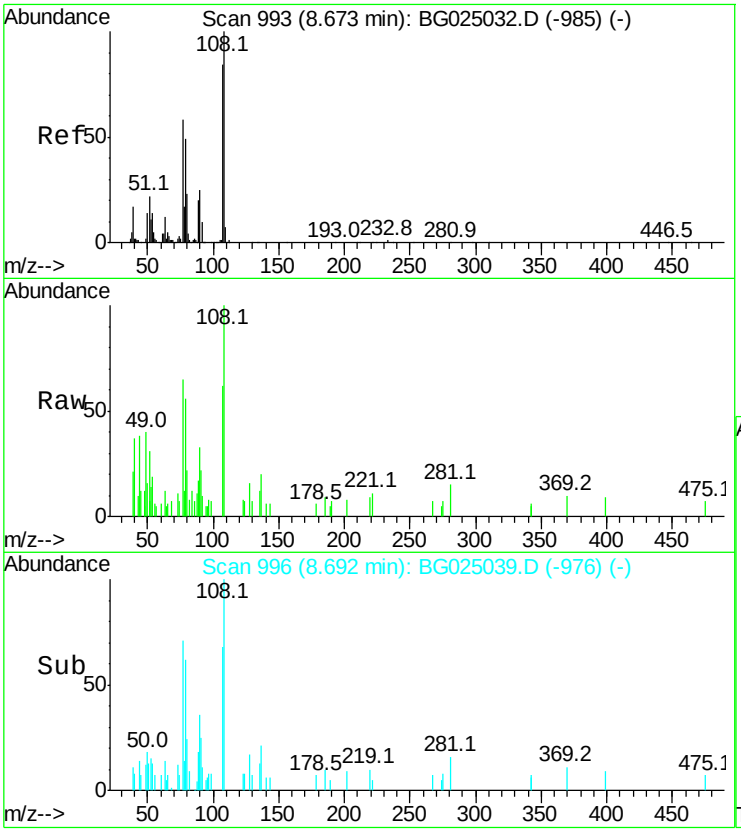


#10
2-Chlorophenol
Concen: 27.75 ng/ul
RT: 7.81 min Scan# 846
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:128 Resp: 148716

Ion	Ratio	Lower	Upper
128	100		
64	57.2	56.3	84.5
130	29.8	26.7	40.1





#11
2-Methylphenol
Concen: 1.24 ng/ul
RT: 8.69 min Scan# 996
Delta R.T. 0.02 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:108 Resp: 7126

Ion	Ratio	Lower	Upper
108	100		
107	61.9	76.7	115.1#

Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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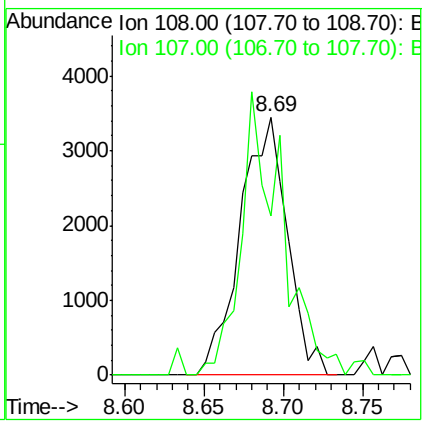
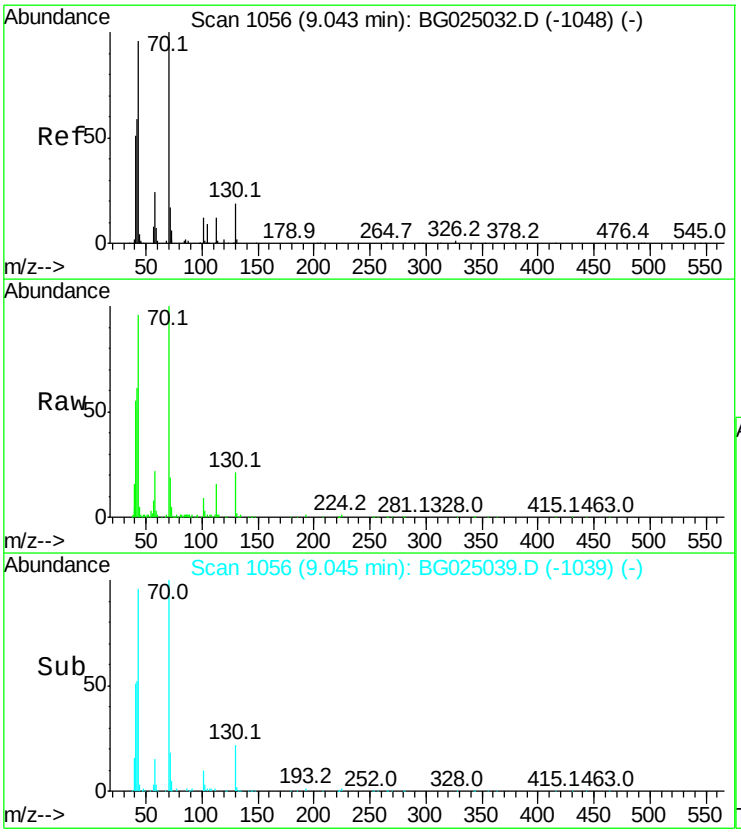
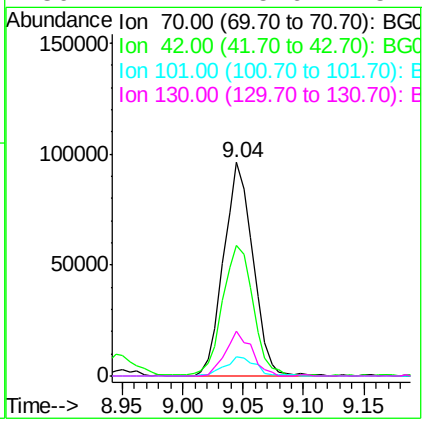


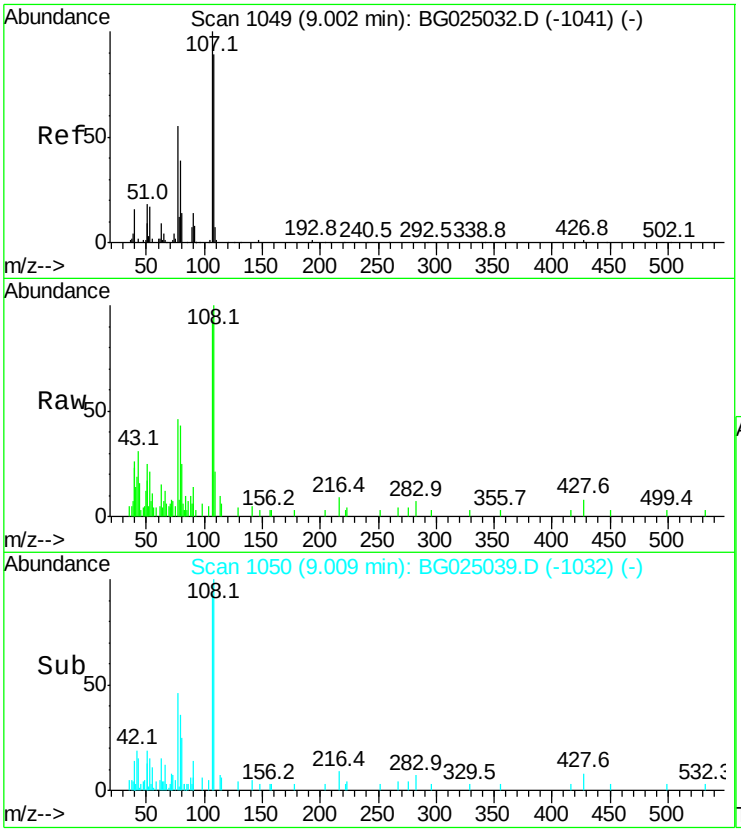


#15
N-Nitroso-di-n-propylamine
Concen: 29.08 ng/ul
RT: 9.04 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion: 70 Resp: 162865

Ion	Ratio	Lower	Upper
70	100		
42	61.0	59.0	88.6
101	9.3	6.6	9.8
130	21.1	15.6	23.4

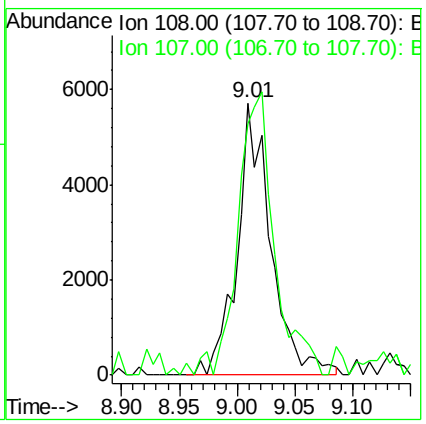




#16
4-Methylphenol
Concen: 1.81 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:108 Resp: 11589

Ion	Ratio	Lower	Upper
108	100		
107	92.5	91.7	137.5



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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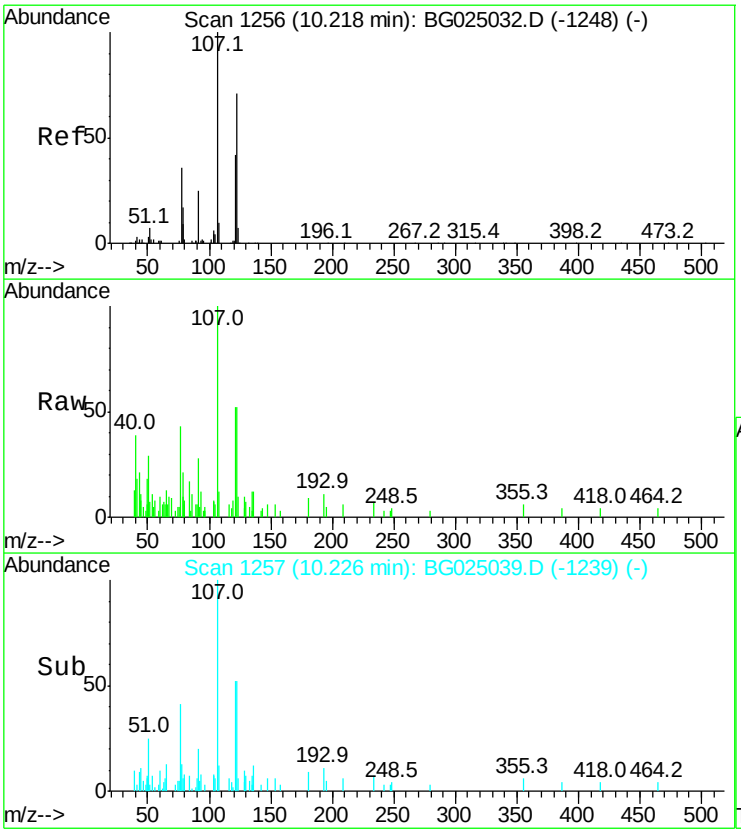
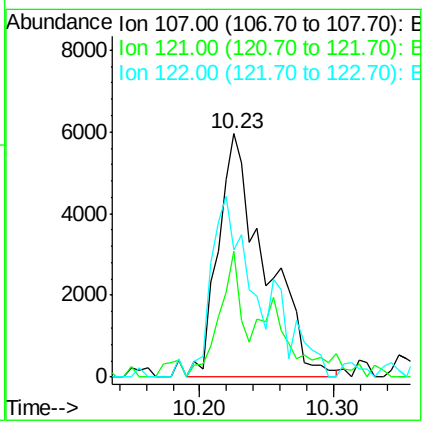
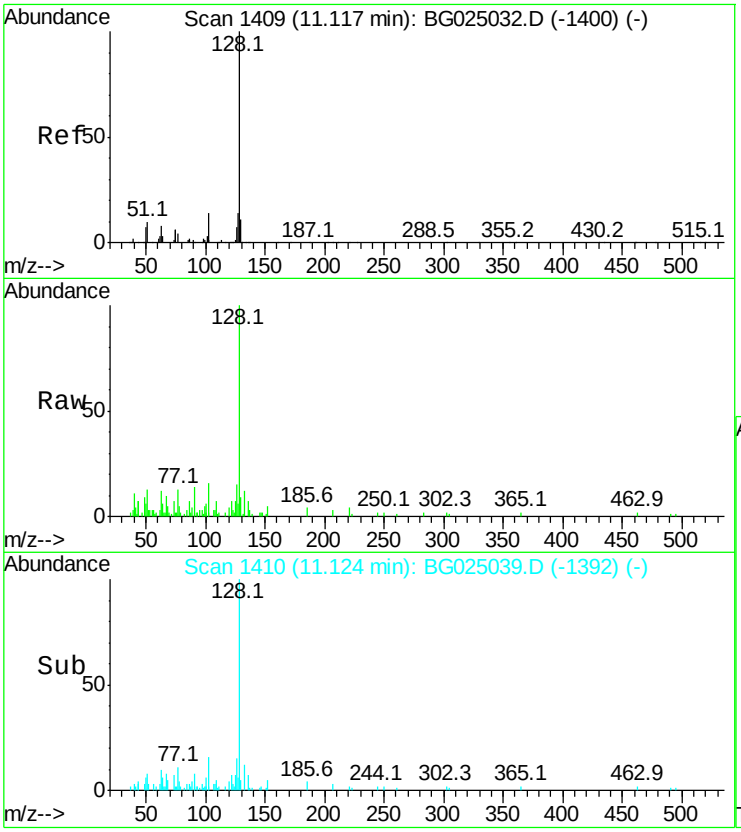


#24
2,4-Dimethylphenol
Concen: 1.96 ng/ul
RT: 10.23 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:107 Resp: 14534

Ion	Ratio	Lower	Upper
107	100		
121	51.8	32.3	48.5#
122	52.4	61.2	91.8#

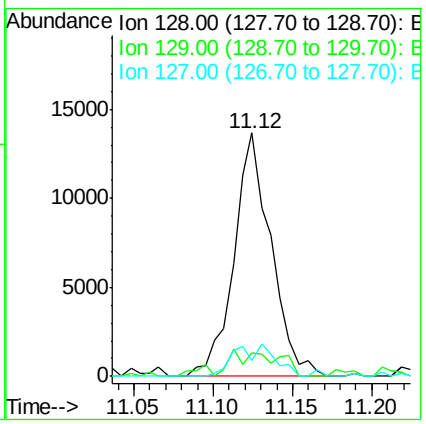




#28
Naphthalene
Concen: 1.32 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:128 Resp: 22148

Ion	Ratio	Lower	Upper
128	100		
129	9.5	9.4	14.2
127	6.4	10.3	15.5#



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

Manual Integrations APPROVED
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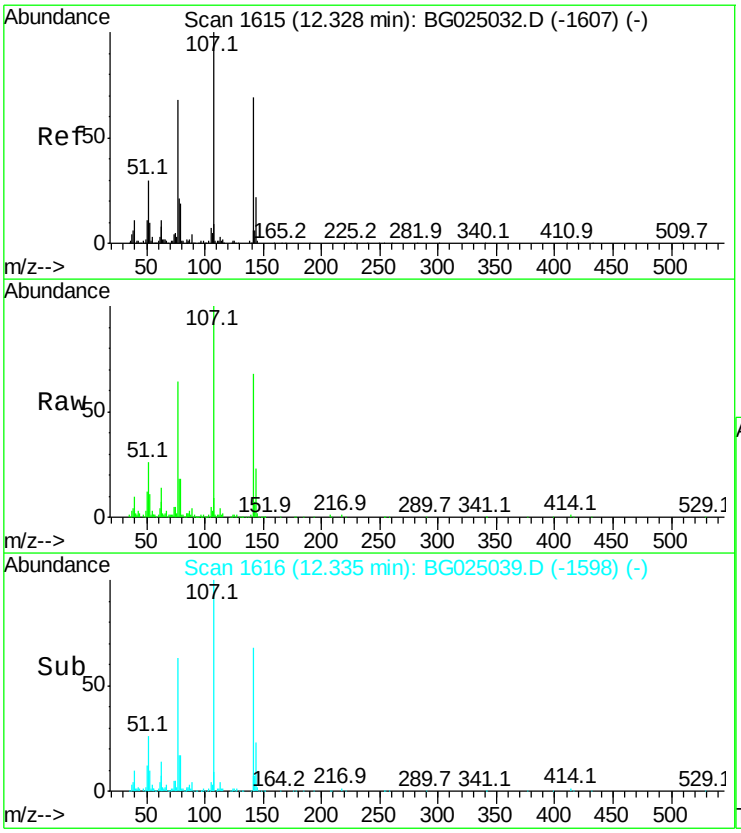
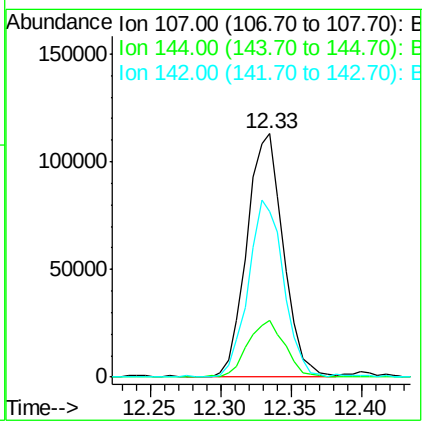
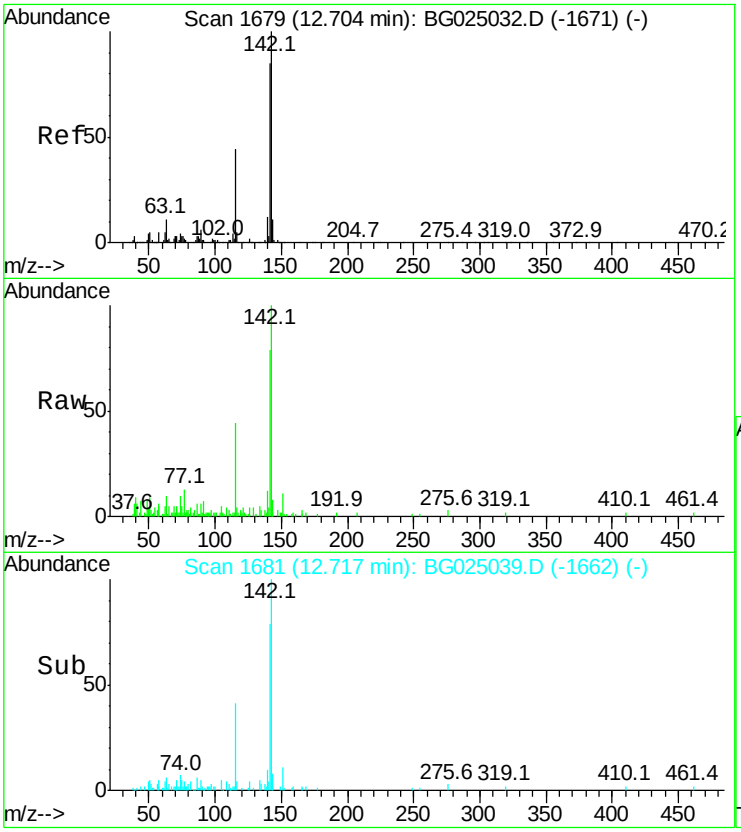


#33
4-Chloro-3-methylphenol
Concen: 27.94 ng/ul
RT: 12.33 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:107 Resp: 205565

Ion	Ratio	Lower	Upper
107	100		
144	23.1	18.2	27.4
142	67.8	55.0	82.4





#34
2-Methylnaphthalene
Concen: 1.98 ng/ul
RT: 12.72 min Scan# 1681
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:142 Resp: 26324

Ion	Ratio	Lower	Upper
142	100		
141	78.6	68.6	102.8

Instrument :
BNA_G
ClientSampleId :
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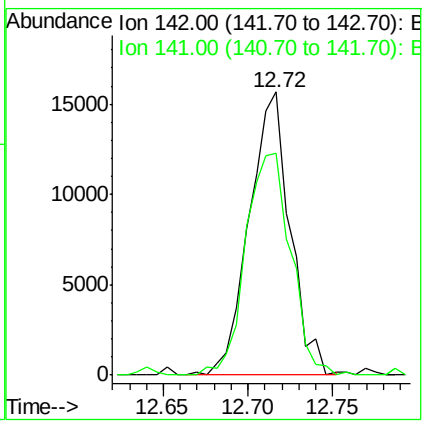
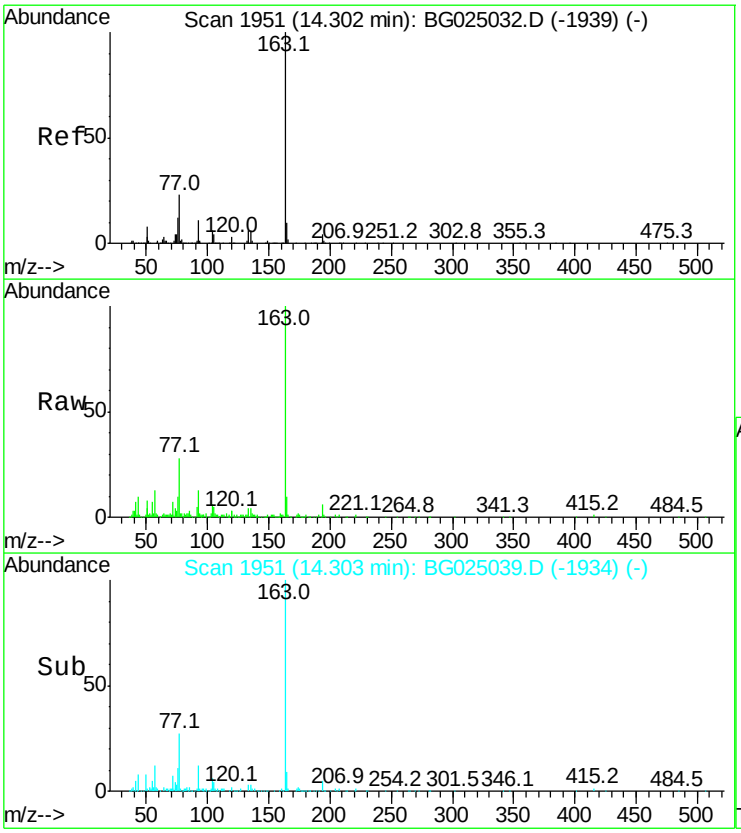
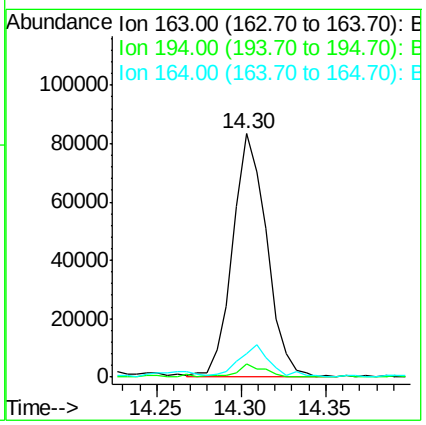


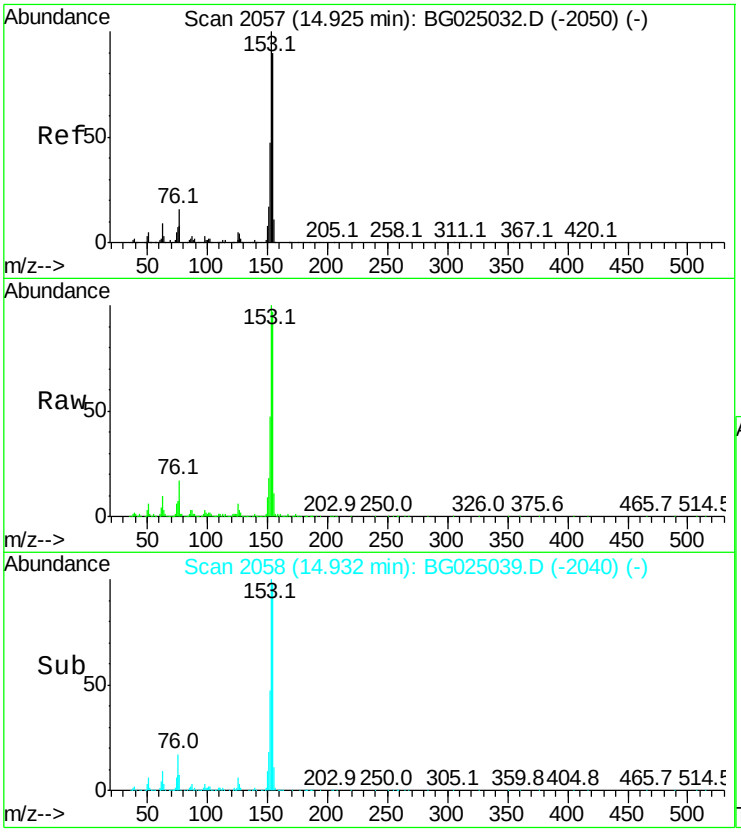


#44
Dimethylphthalate
Concen: 5.77 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:163 Resp: 116432

Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.4	5.0#
164	9.7	9.0	13.4

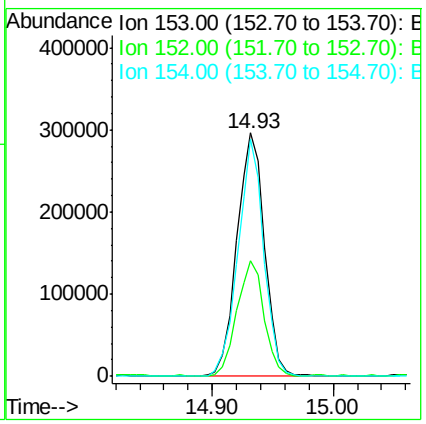




#49
Acenaphthene
Concen: 31.47 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:153 Resp: 471096

Ion	Ratio	Lower	Upper
153	100		
152	47.4	36.5	54.7
154	97.2	72.3	108.5



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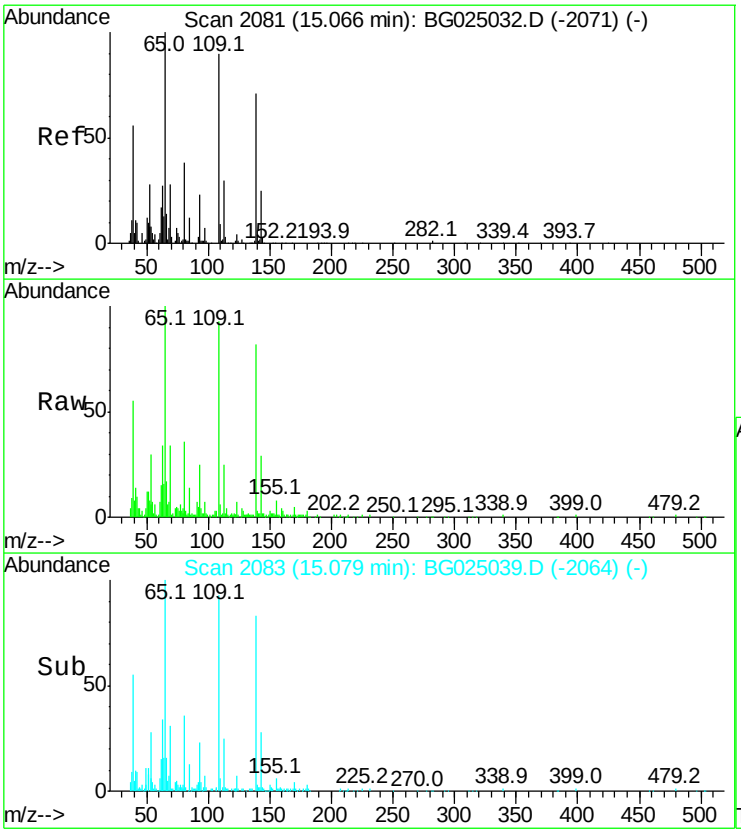
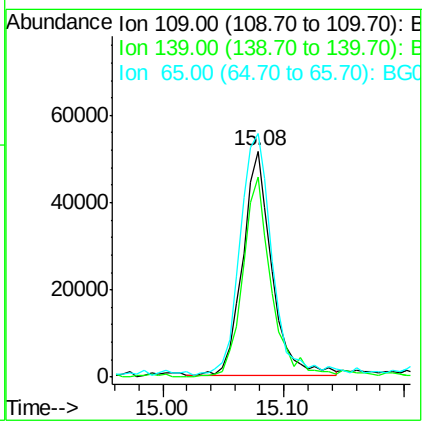
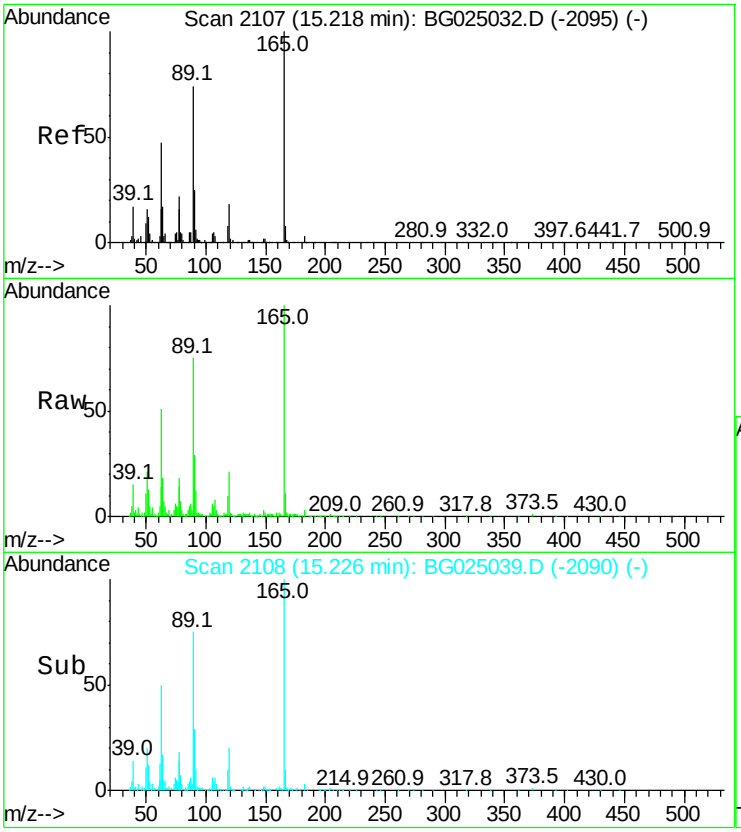


#52
4-Nitrophenol
Concen: 20.19 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:109 Resp: 85659

Ion	Ratio	Lower	Upper
109	100		
139	88.8	62.6	93.8
65	107.9	90.4	135.6

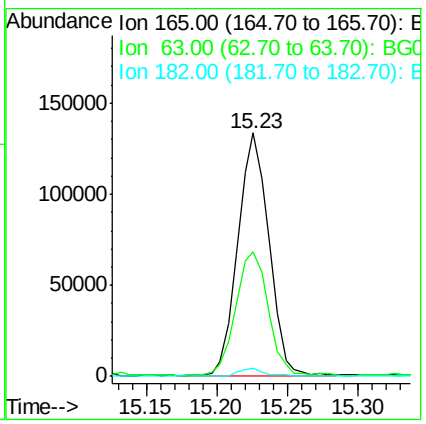




#54
2,4-Dinitrotoluene
Concen: 31.46 ng/ul
RT: 15.23 min Scan# 2108
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:165 Resp: 205445

Ion	Ratio	Lower	Upper
165	100		
63	50.9	46.8	70.2
182	3.4	1.8	2.6#



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

Manual Integrations APPROVED
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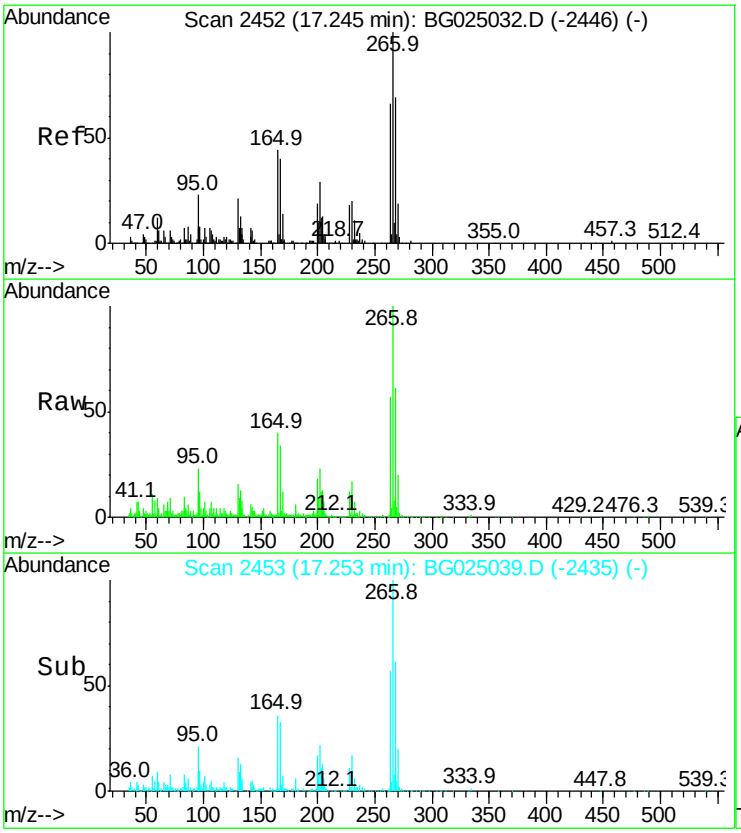
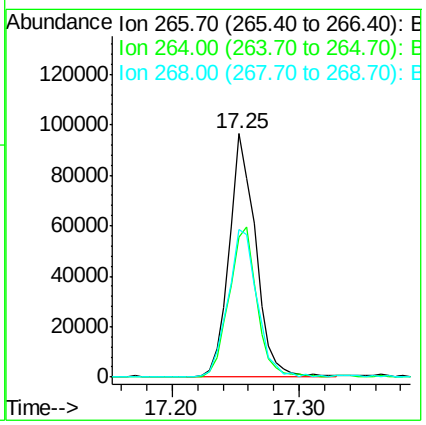
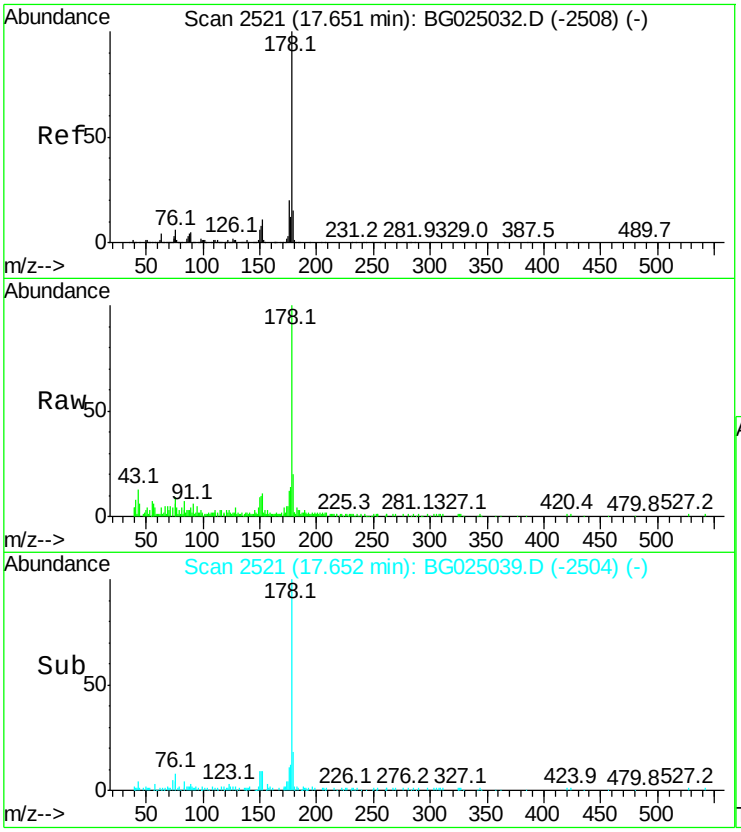


#68
Pentachlorophenol
Concen: 29.74 ng/ul
RT: 17.25 min Scan# 2453
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:266 Resp: 139138

Ion	Ratio	Lower	Upper
266	100		
264	57.3	47.1	70.7
268	60.5	56.2	84.4





#69
Phenanthrene
Concen: 2.27 ng/ul
RT: 17.65 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:178 Resp: 66441

Ion	Ratio	Lower	Upper
178	100		
179	19.5	12.4	18.6#
176	12.0	16.5	24.7#

Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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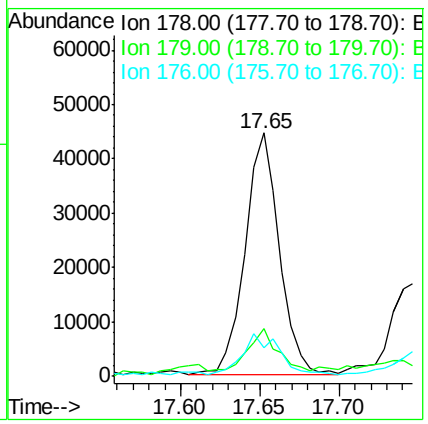
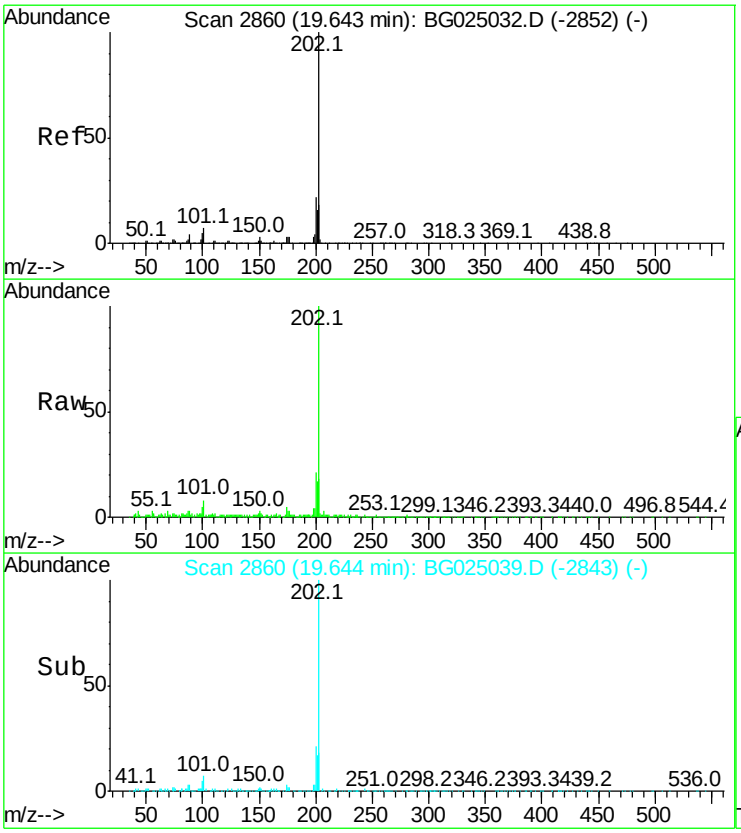
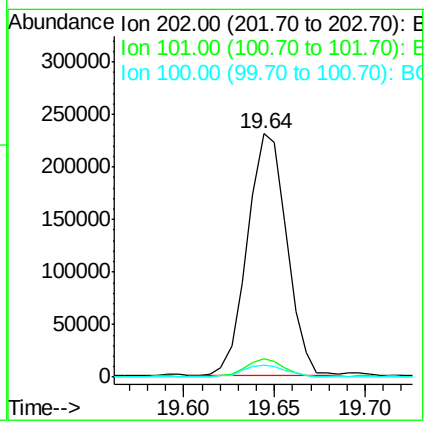


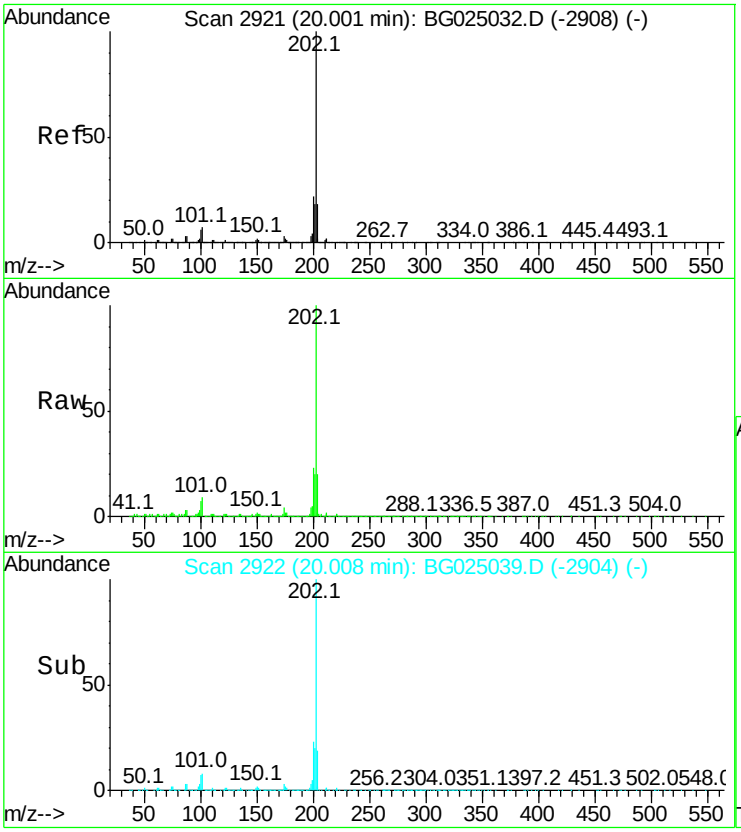


#74
Fluoranthene
Concen: 10.02 ng/ul
RT: 19.64 min Scan# 2860
Delta R.T. 0.00 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:202 Resp: 348060

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	4.7	5.2	7.8#

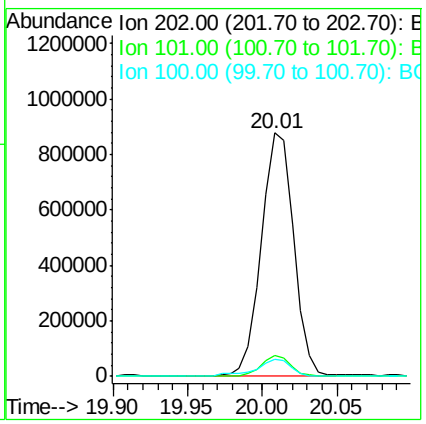




#77
Pyrene
Concen: 37.65 ng/ul
RT: 20.01 min Scan# 2922
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:202 Resp: 1317022

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
100	7.0	6.6	10.0



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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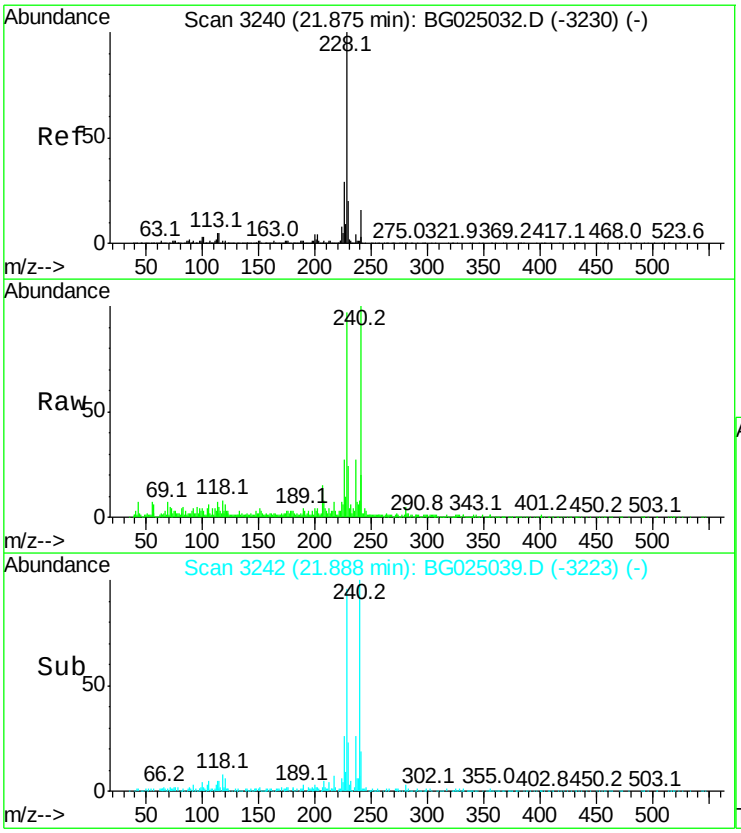
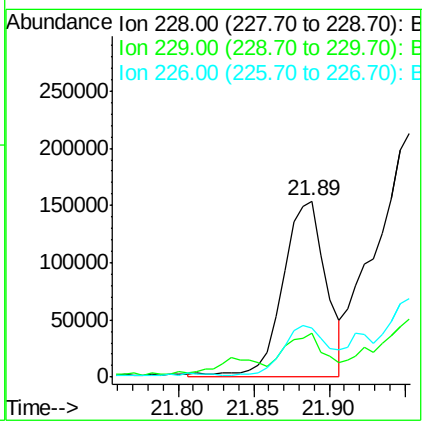
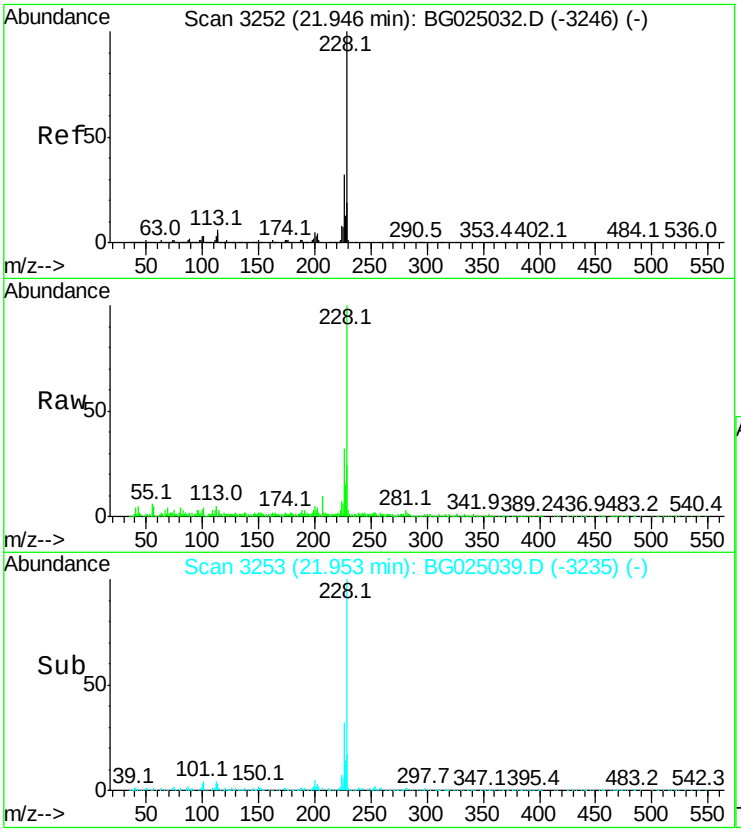


#80
Benzo(a)anthracene
Concen: 8.10 ng/ul m
RT: 21.89 min Scan# 3242
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:228 Resp: 306202

Ion	Ratio	Lower	Upper
228	100		
229	25.1	16.3	24.5#
226	27.6	21.9	32.9





#82
Chrysene
Concen: 14.17 ng/ul
RT: 21.95 min Scan# 3253
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:228 Resp: 501215

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	23.9	16.9	25.3

Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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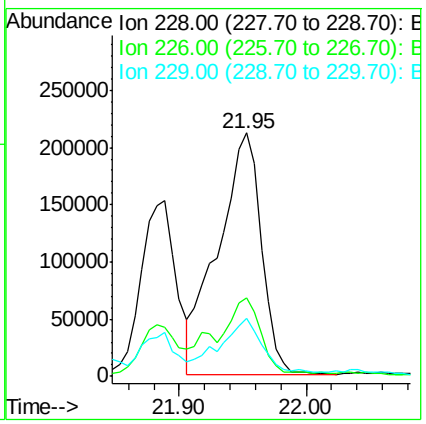
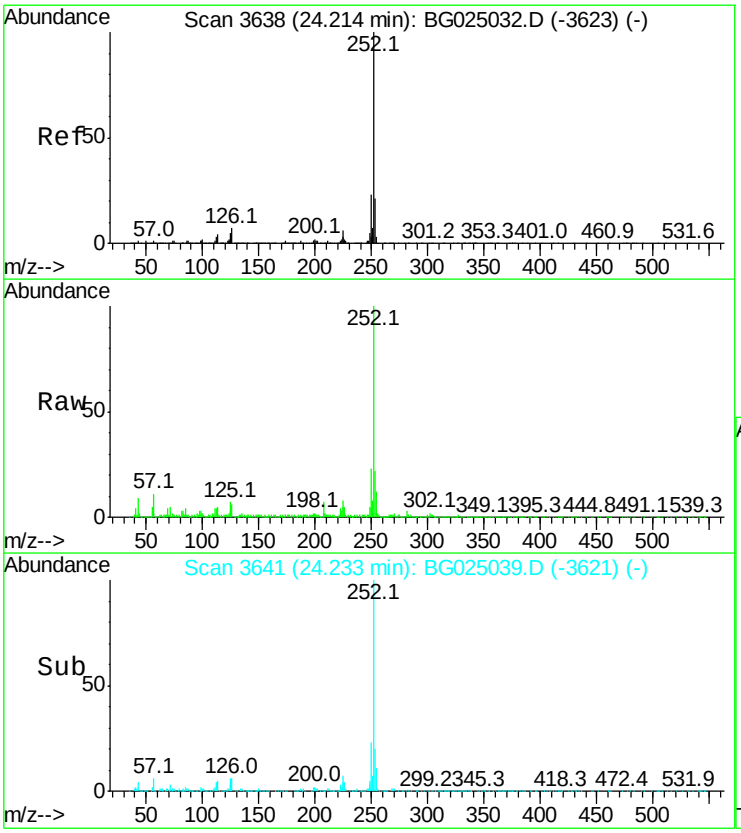
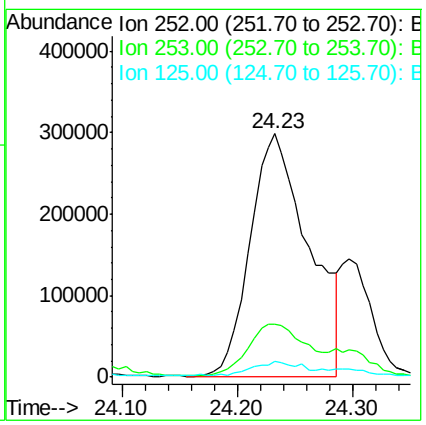


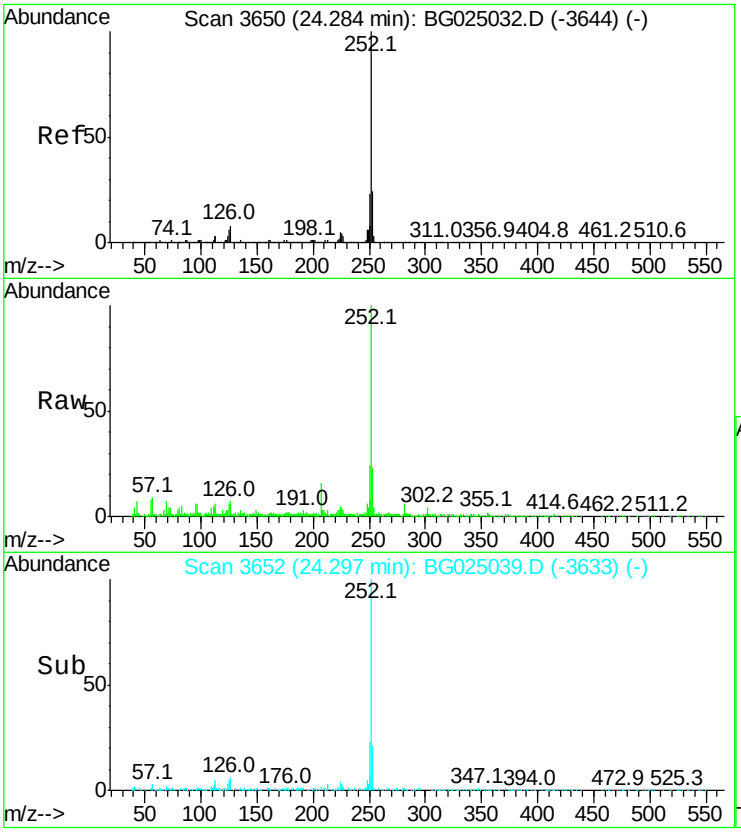


#85
Benzo(b)fluoranthene
Concen: 28.05 ng/ul
RT: 24.23 min Scan# 3641
Delta R.T. 0.02 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:252 Resp: 1051302

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	6.7	4.0	6.0#

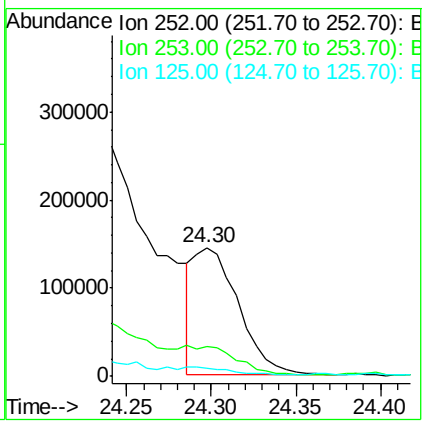




#86
Benzo(k)fluoranthene
Concen: 7.31 ng/ul
RT: 24.30 min Scan# 3652
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:252 Resp: 260588

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	6.5	4.1	6.1#



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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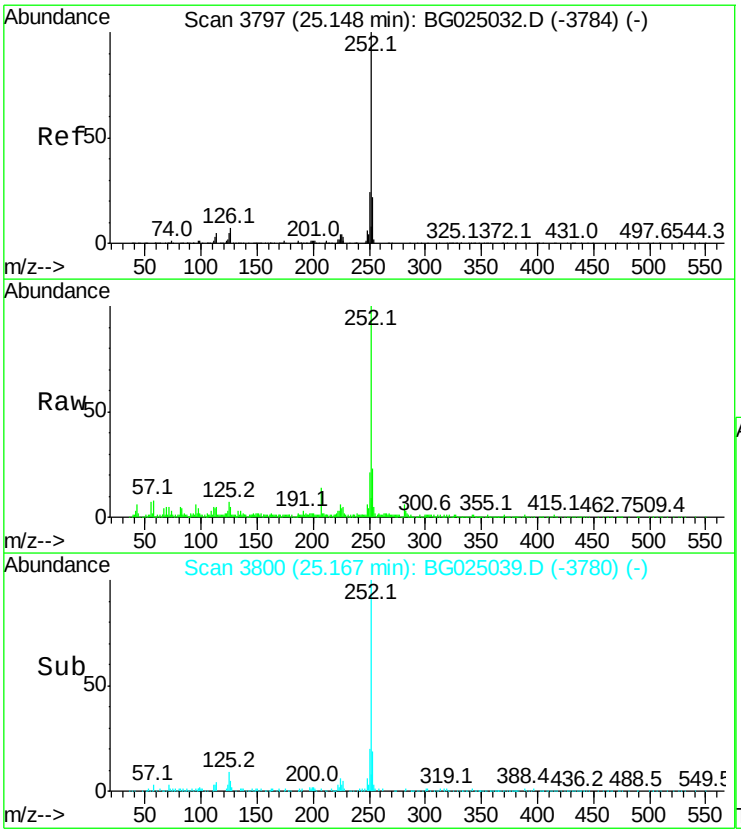
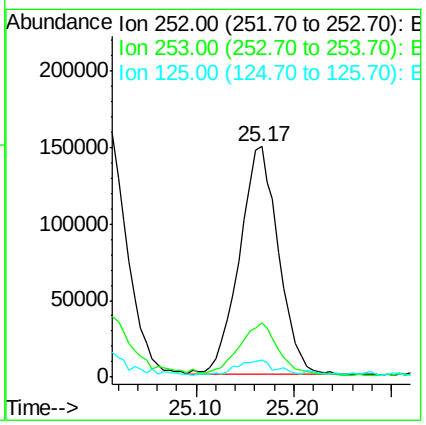
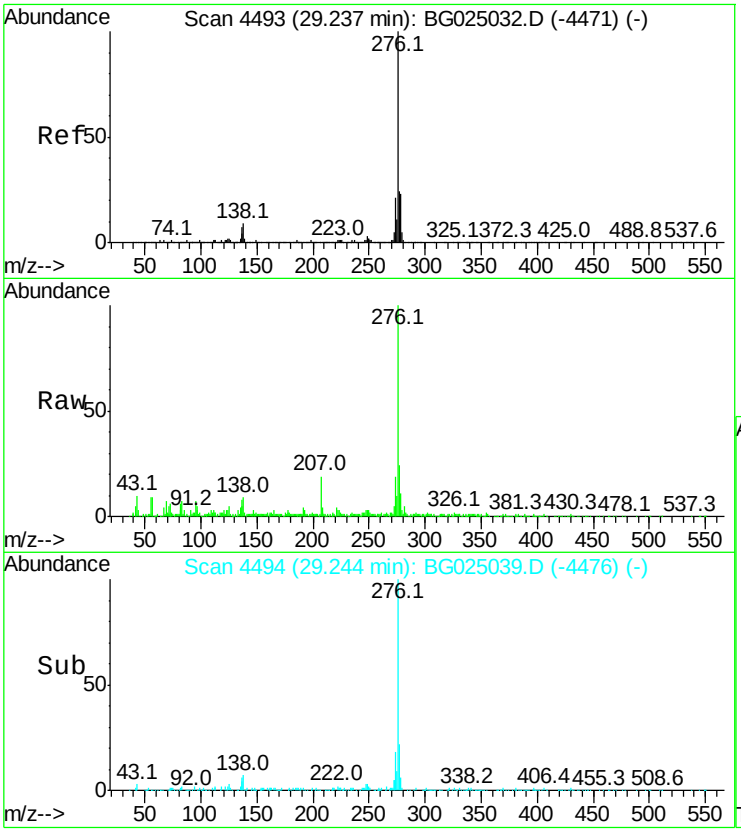


#88
Benzo(a)pyrene
Concen: 11.58 ng/ul
RT: 25.17 min Scan# 3800
Delta R.T. 0.02 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:252 Resp: 417375

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	7.4	5.4	8.0

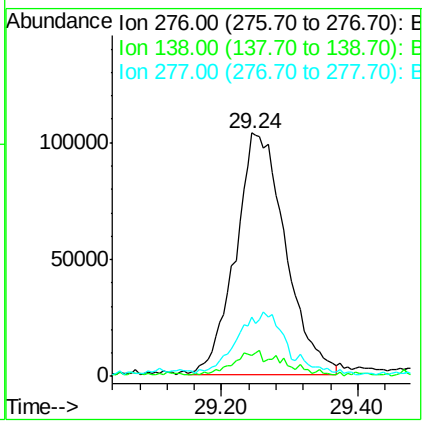




#89
Indeno(1,2,3-cd)pyrene
Concen: 11.77 ng/ul m
RT: 29.24 min Scan# 4494
Delta R.T. 0.01 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:276 Resp: 527430

Ion	Ratio	Lower	Upper
276	100		
138	8.7	8.2	12.4
277	24.5	18.6	28.0



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

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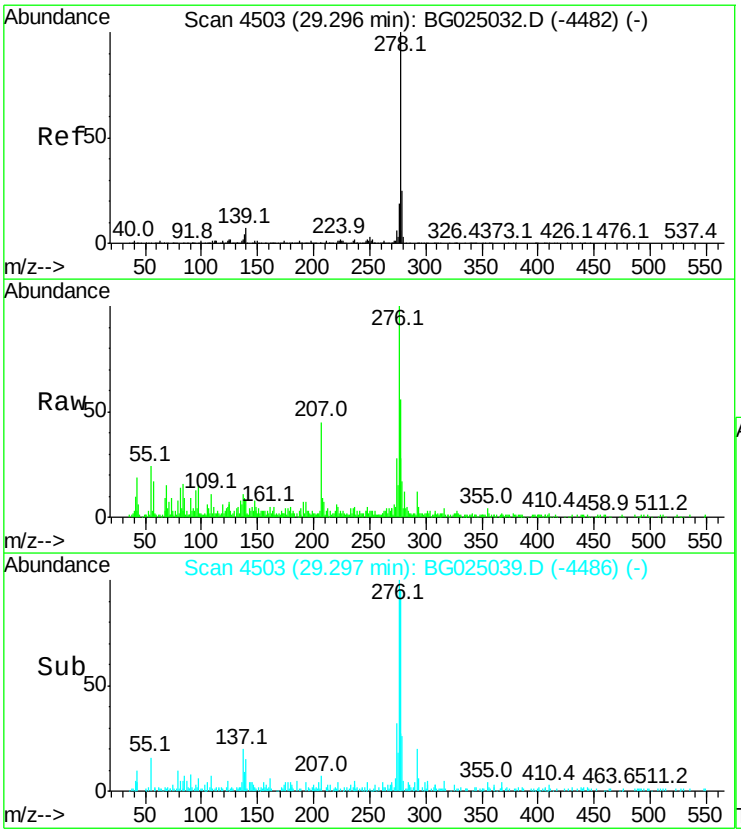
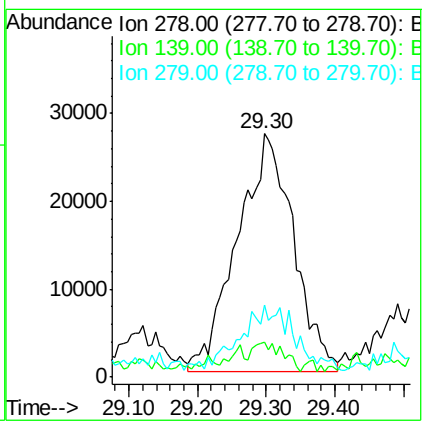
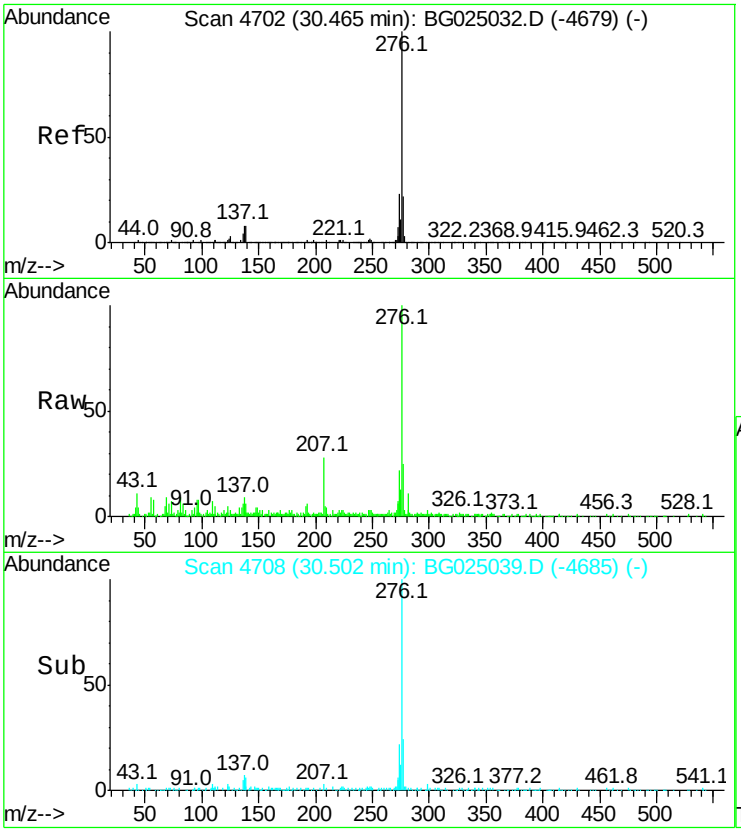


#90
Dibenzo(a,h)anthracene
Concen: 4.10 ng/ul m
RT: 29.30 min Scan# 4503
Delta R.T. 0.00 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:278 Resp: 154665

Ion	Ratio	Lower	Upper
278	100		
139	14.2	6.7	10.1#
279	29.8	20.9	31.3

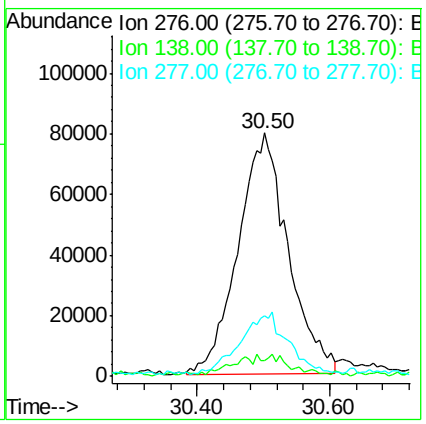




#91
Benzo(g,h,i)perylene
Concen: 11.24 ng/ul m
RT: 30.50 min Scan# 4708
Delta R.T. 0.04 min
Lab File: BG025039.D
Acq: 9 Dec 2016 16:05

Tgt Ion:276 Resp: 420148

Ion	Ratio	Lower	Upper
276	100		
138	6.5	8.6	12.8#
277	25.1	17.6	26.4



Instrument :
BNA_G
ClientSampleId :
DA7Y8MSD

Manual Integrations APPROVED
Sohil
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