Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025114.D
Acq On : 12 Dec 2016 14:03
Operator : UM/SJ
Sample : H5860-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8B2

Quant Time: Dec 13 00:32:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	79884	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	378990	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	288655	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	634304	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	784459	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	807066	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.51	96	179	0.12	ng/uL	-0.08
5) Phenol-d5	7.39	99	181831	26.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	105383	24.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	118141	24.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	158756	27.56	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	65663	24.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	78964	23.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	172210	26.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	164439	26.00	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	571653	28.79	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	618808	28.45	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	100174	29.36	ng/ul	0.00
57) Fluorene-d10	15.85	176	541520	28.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	109497	27.92	ng/ul	0.00
70) Anthracene-d10	17.70	188	919506	34.35	ng/ul	0.00
76) Pyrene-d10	19.98	212	1133928	35.09	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1197767	36.63	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	7.37	77	162886	31.40	ng/ul#	84
6) Phenol	7.41	94	12515	1.77	ng/ul#	93
10) 2-Chlorophenol	7.79	128	22284	4.60	ng/ul	96
16) 4-Methylphenol	8.99	108	7075	1.22	ng/ul#	72
23) 2-Nitrophenol	10.18	139	105212	31.00	ng/ul	89
28) Naphthalene	11.12	128	122466	6.95	ng/ul	98
31) Hexachlorobutadiene	11.38	225	78424	14.60	ng/ul	93
33) 4-Chloro-3-methylphenol	12.33	107	118450	15.38	ng/ul	96
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	61140	7.03	ng/ul#	86
38) 2,4,6-Trichlorophenol	13.30	196	92041	16.84	ng/ul	89
39) 2,4,5-Trichlorophenol	13.30	196	71511	11.94	ng/ul	94
40) 1,1'-Biphenyl	13.70	154	369407	21.11	ng/ul	99
44) Dimethylphthalate	14.30	163	505568	25.91	ng/ul	97
45) 2,6-Dinitrotoluene	14.44	165	62830	14.98	ng/ul#	96
52) 4-Nitrophenol	15.07	109	161864	39.44	ng/ul	94
53) Dibenzofuran	15.25	168	216615	9.46	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.98	198	82962	20.42	ng/ul#	96
66) Hexachlorobenzene	16.90	284	75630	9.38	ng/ul	97
68) Pentachlorophenol	17.24	266	91610	18.91	ng/ul#	87
69) Phenanthrene	17.64	178	795527	26.28	ng/ul	99
71) Anthracene	17.74	178	357233	11.48	ng/ul	98
73) Di-n-butylphthalate	18.53	149	561523	17.13	ng/ul	98
74) Fluoranthene	19.64	202	853102	23.71	ng/ul	98

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025114.D
Acq On : 12 Dec 2016 14:03
Operator : UM/SJ
Sample : H5860-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8B2

Quant Time: Dec 13 00:32:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	20.01	202	885992	23.49	ng/ul	97
80) Benzo(a)anthracene	21.94	228	568749	13.95	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	491438	24.18	ng/ul	97
82) Chrysene	21.94	228	754180	19.78	ng/ul	100
88) Benzo(a)pyrene	25.15	252	697660	18.13	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.25	276	810998	16.96	ng/ul	96
90) Dibenzo(a,h)anthracene	29.31	278	488544	12.13	ng/ul#	92
91) Benzo(g,h,i)perylene	30.47	276	100868	2.53	ng/ul#	90

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
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Sample : H5860-17
Misc :
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Instrument :
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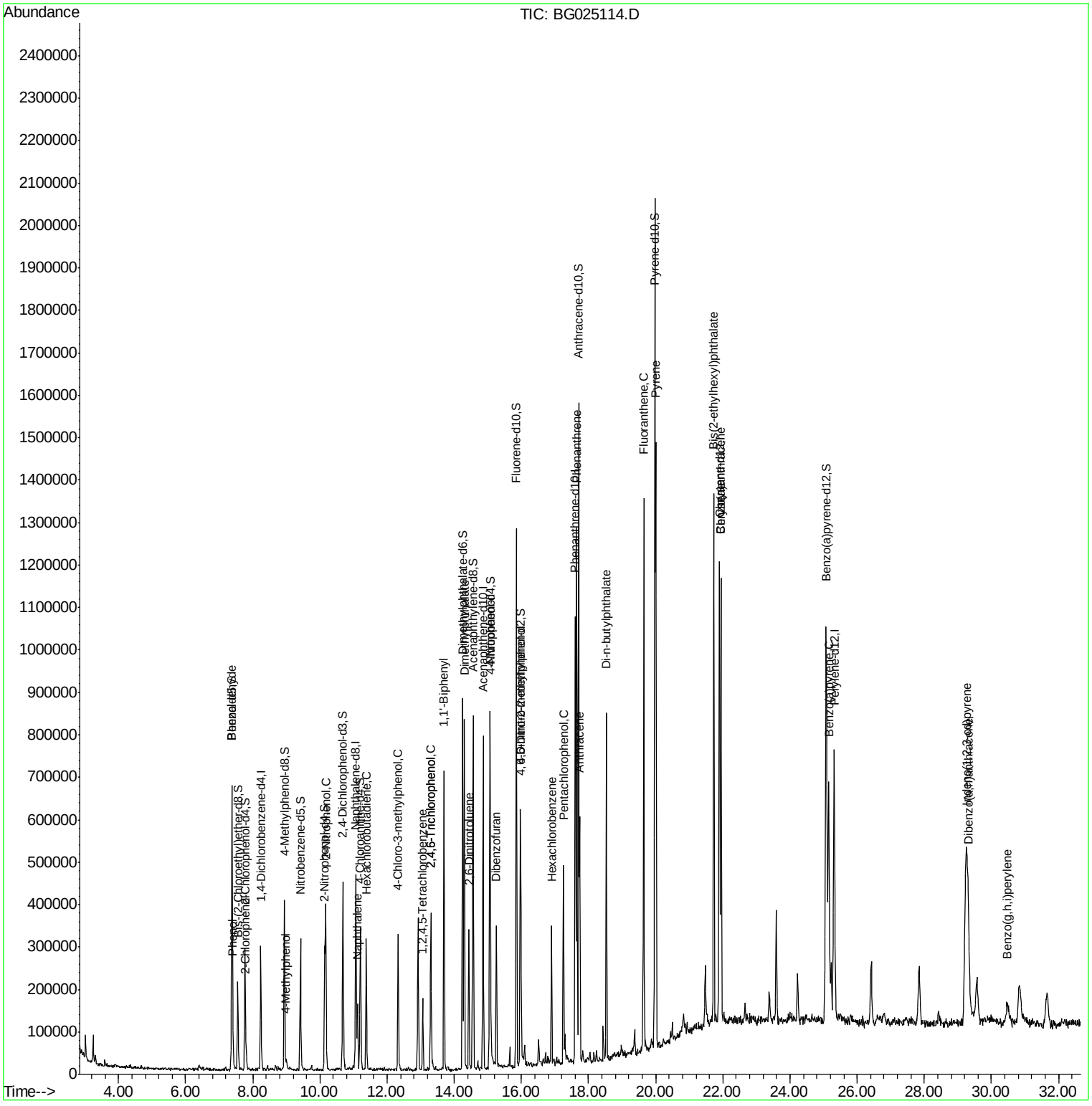
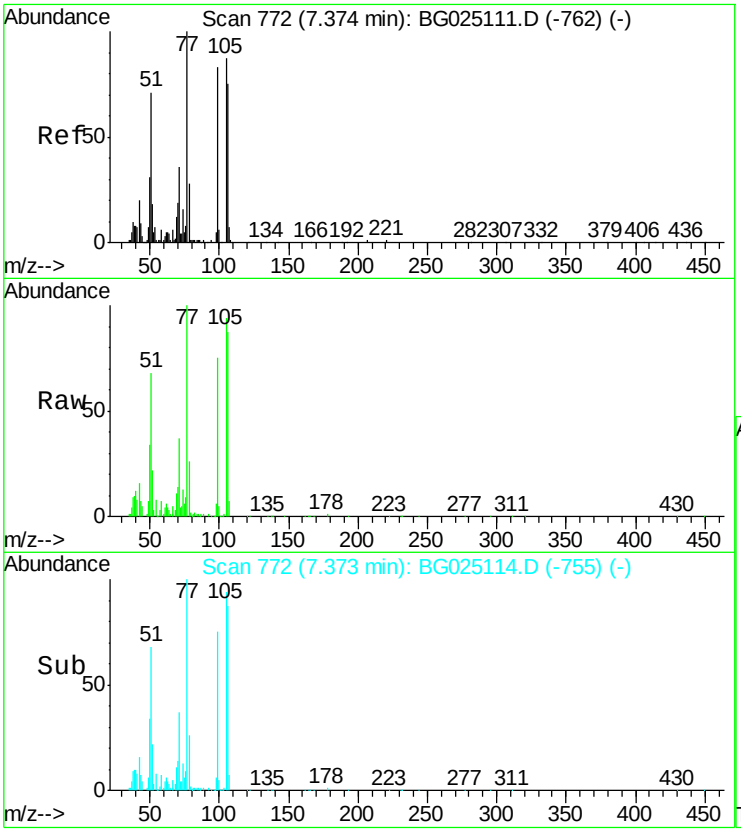
Response via : Initial Calibration



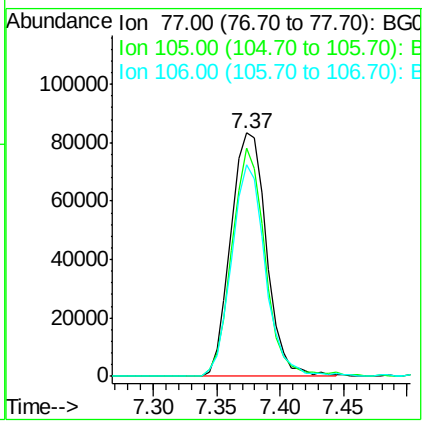


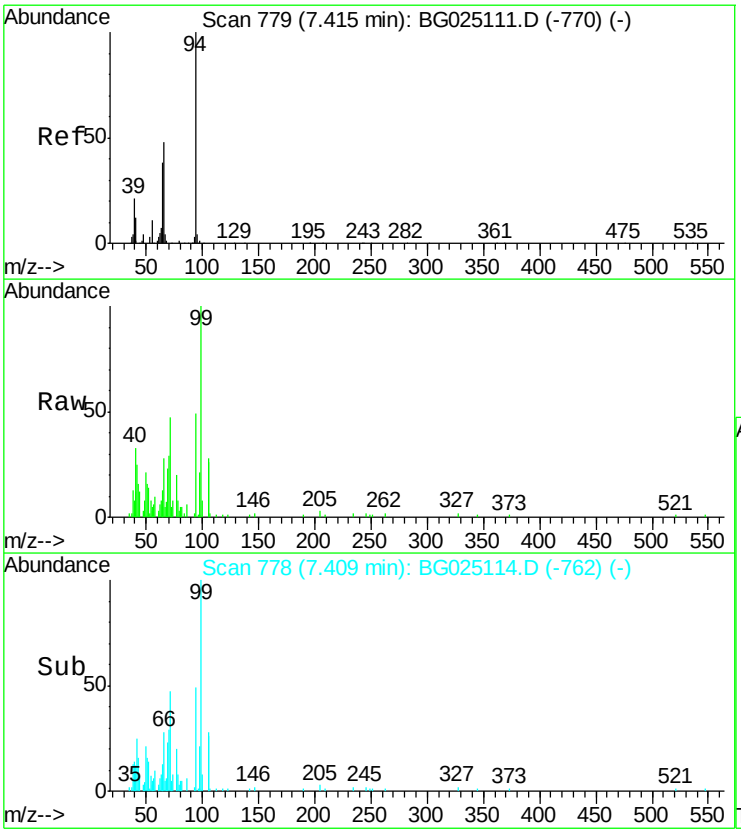
#4
Benzaldehyde
Concen: 31.40 ng/ul
RT: 7.37 min Scan# 772
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion: 77 Resp: 162886

Ion	Ratio	Lower	Upper
77	100		
105	93.5	62.0	93.0#
106	87.1	60.2	90.4

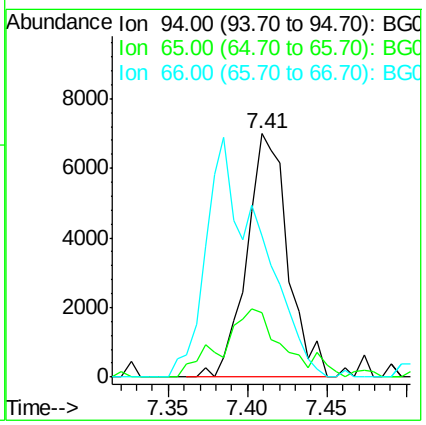


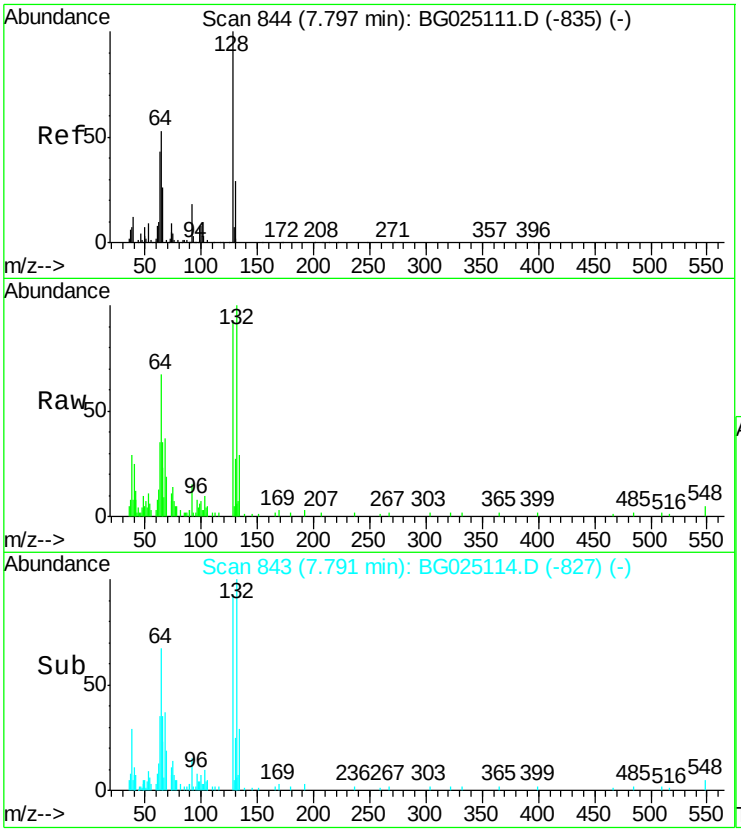


#6
Phenol
Concen: 1.77 ng/ul
RT: 7.41 min Scan# 778
Delta R.T. -0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion: 94 Resp: 12515

Ion	Ratio	Lower	Upper
94	100		
65	26.4	26.8	40.2#
66	58.1	44.4	66.6



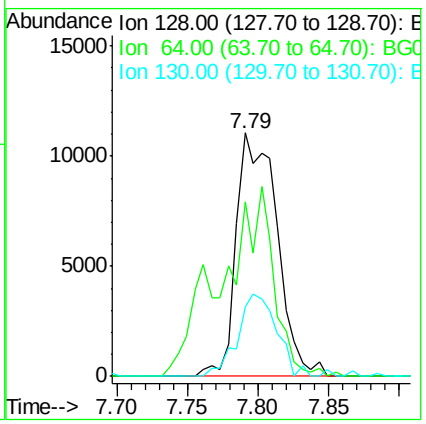


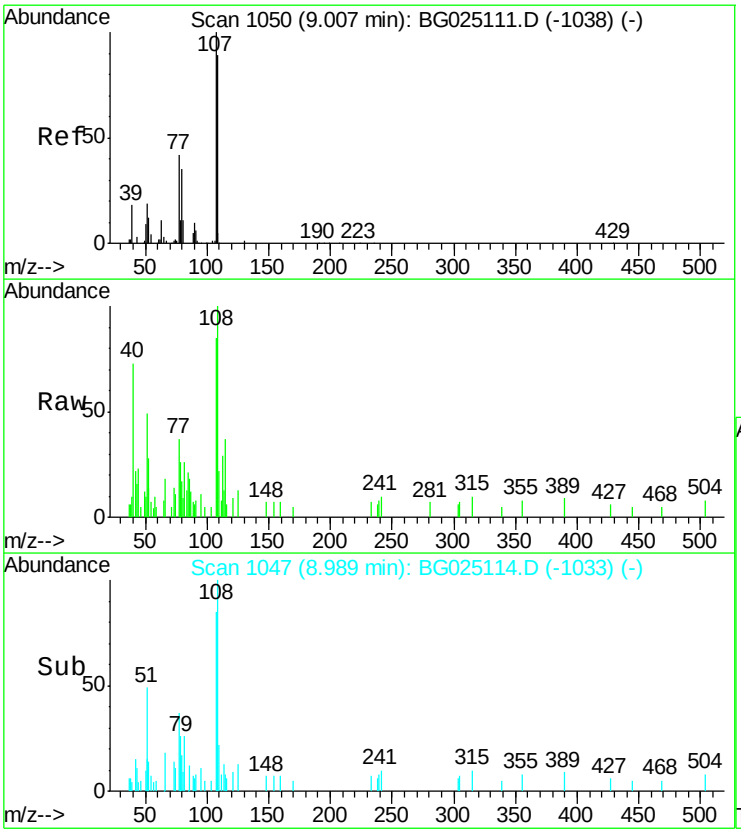
#10
2-Chlorophenol
Concen: 4.60 ng/ul
RT: 7.79 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:128 Resp: 22284

Ion	Ratio	Lower	Upper
128	100		
64	71.8	56.3	84.5
130	28.7	26.7	40.1

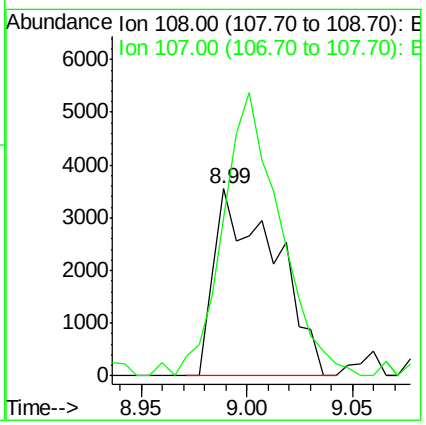


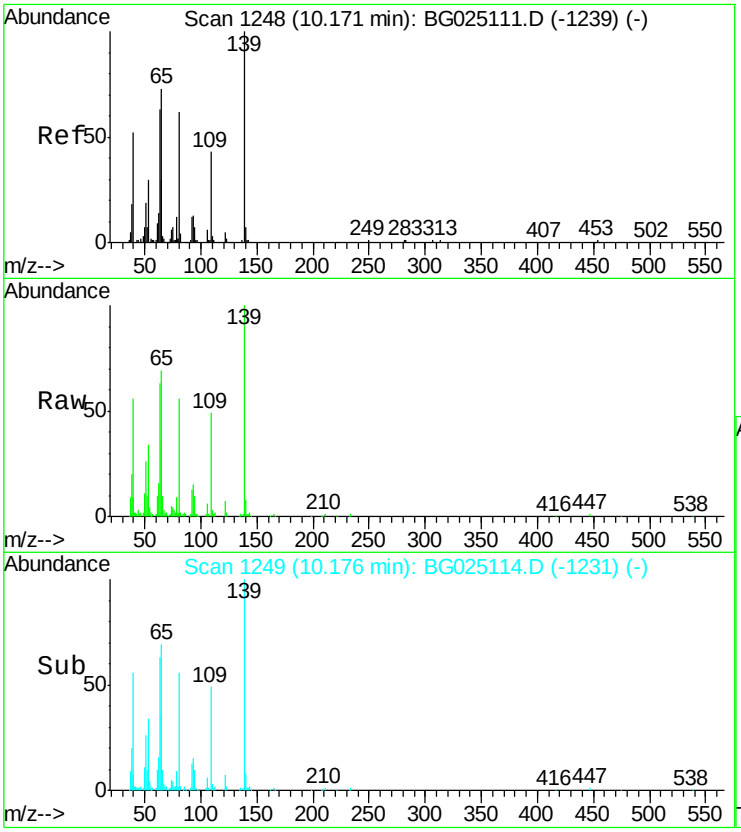


#16
4-Methylphenol
Concen: 1.22 ng/ul
RT: 8.99 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:108 Resp: 7075

Ion	Ratio	Lower	Upper
108	100		
107	84.5	91.7	137.5#



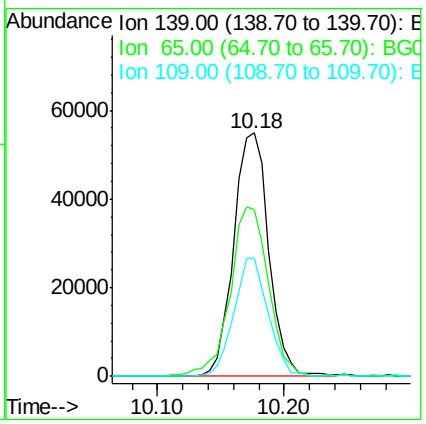


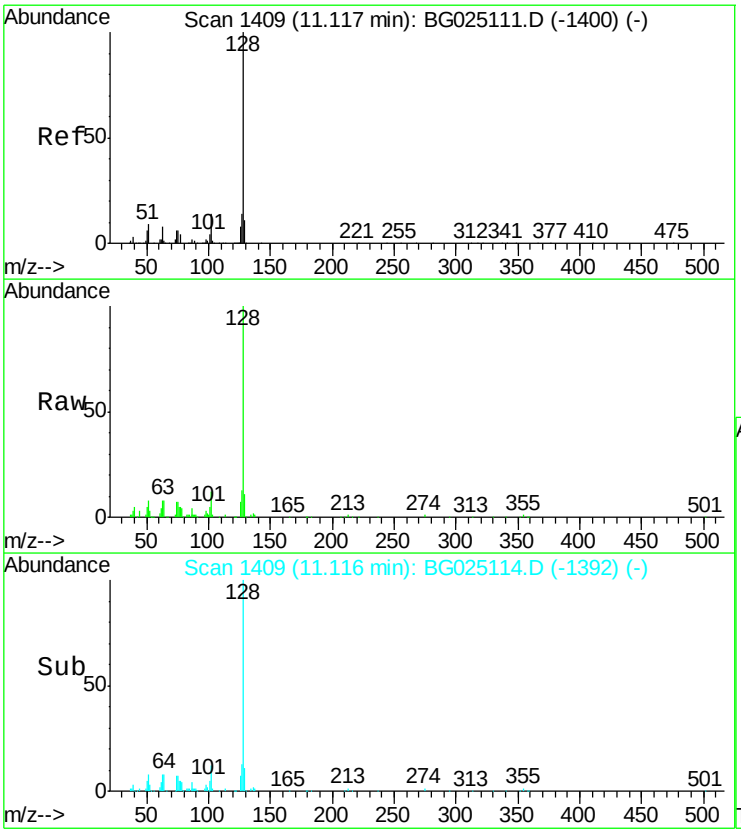
#23
2-Nitrophenol
Concen: 31.00 ng/ul
RT: 10.18 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:139 Resp: 105212

Ion	Ratio	Lower	Upper
139	100		
65	68.6	67.0	100.6
109	48.7	39.6	59.4

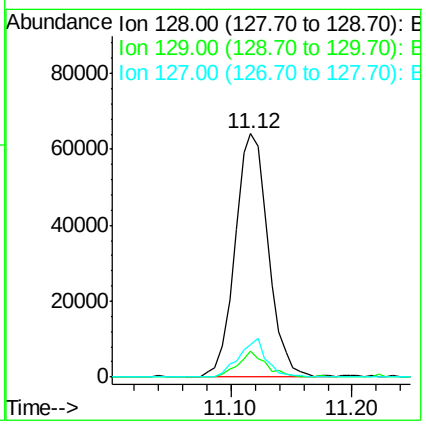


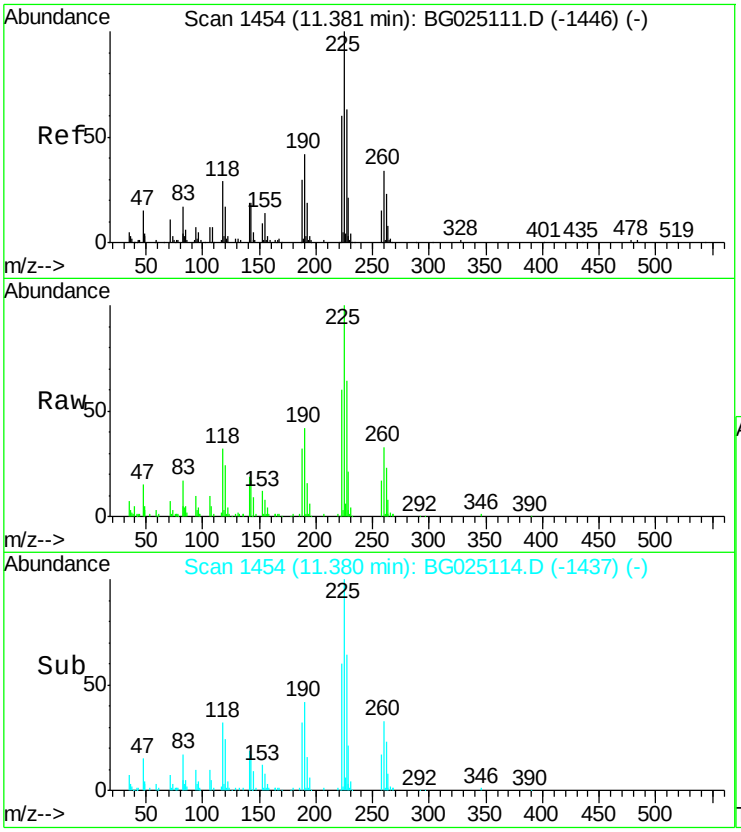


#28
Naphthalene
Concen: 6.95 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:128 Resp: 122466

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.3	10.3	15.5



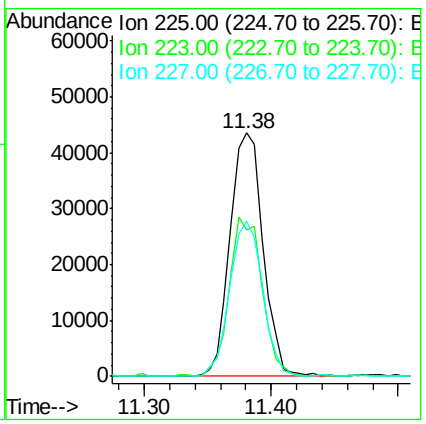


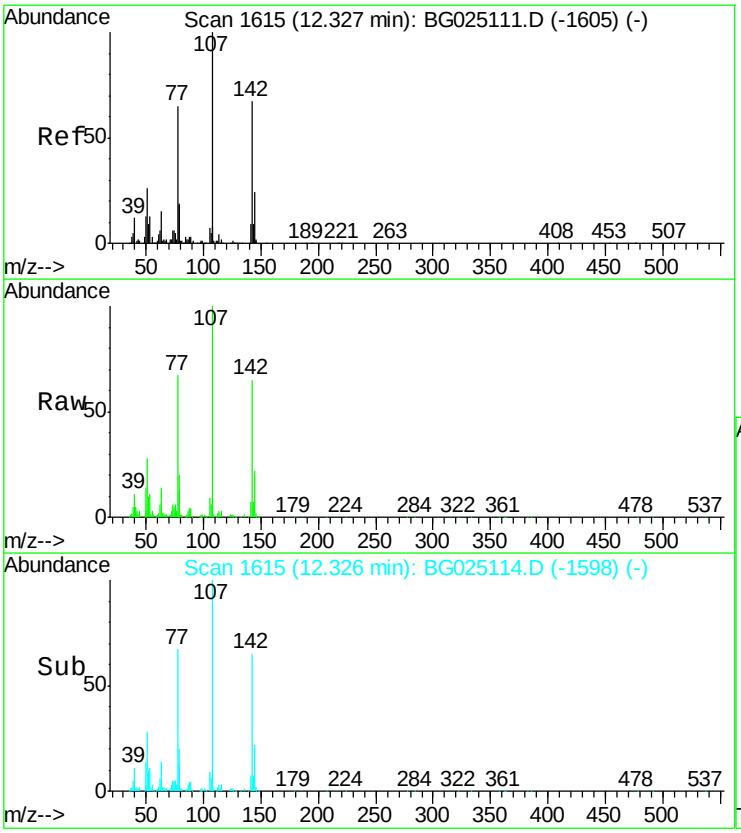
#31
Hexachlorobutadiene
Concen: 14.60 ng/ul
RT: 11.38 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:225 Resp: 78424

Ion	Ratio	Lower	Upper
225	100		
223	59.9	45.9	68.9
227	63.8	44.7	67.1

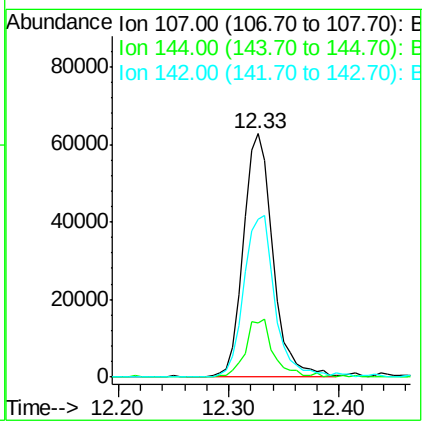


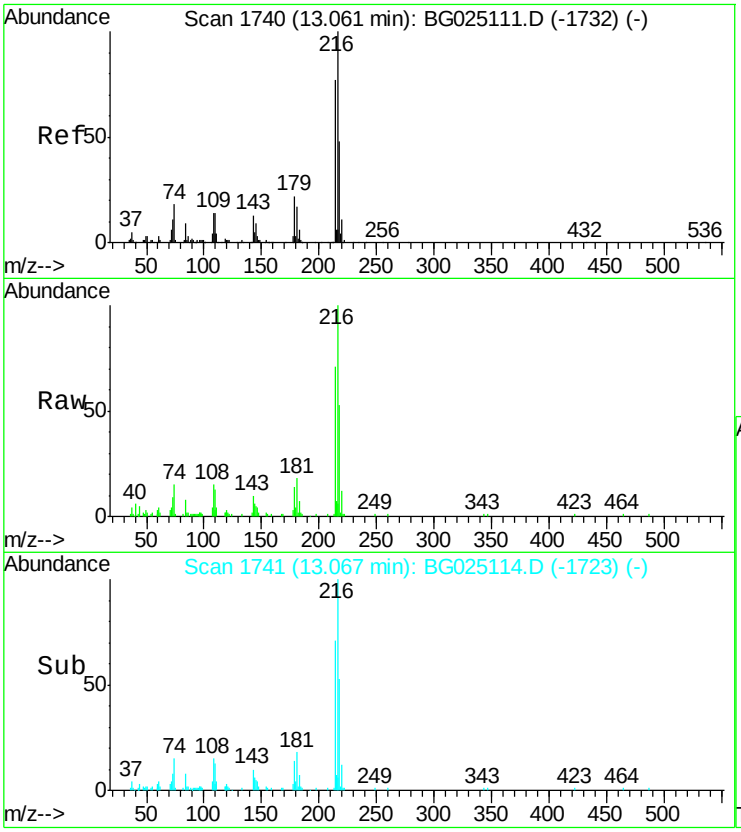


#33
4-Chloro-3-methylphenol
Concen: 15.38 ng/ul
RT: 12.33 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:107 Resp: 118450

Ion	Ratio	Lower	Upper
107	100		
144	22.3	18.2	27.4
142	64.9	55.0	82.4



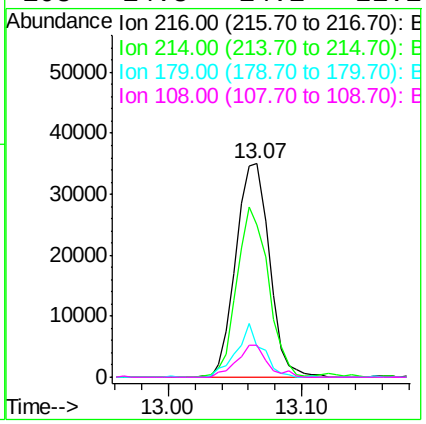


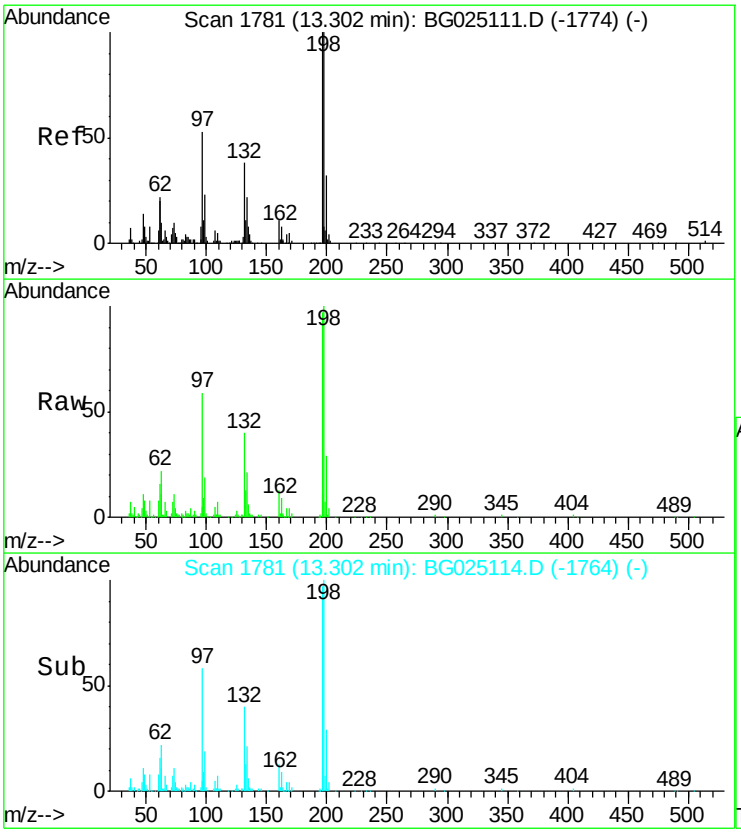
#36
1,2,4,5-Tetrachlorobenzene
Concen: 7.03 ng/ul
RT: 13.07 min Scan# 1741
Delta R.T. 0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:216 Resp: 61140

Ion	Ratio	Lower	Upper
216	100		
214	71.0	67.0	100.6
179	14.3	18.1	27.1#
108	14.8	14.1	21.1

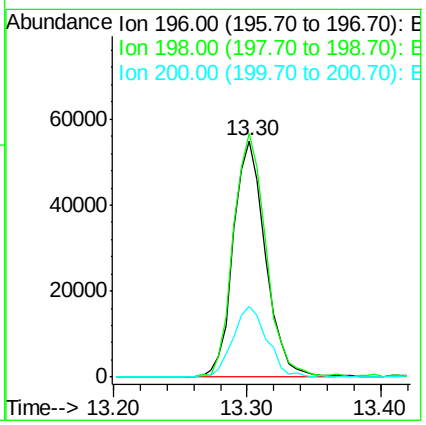


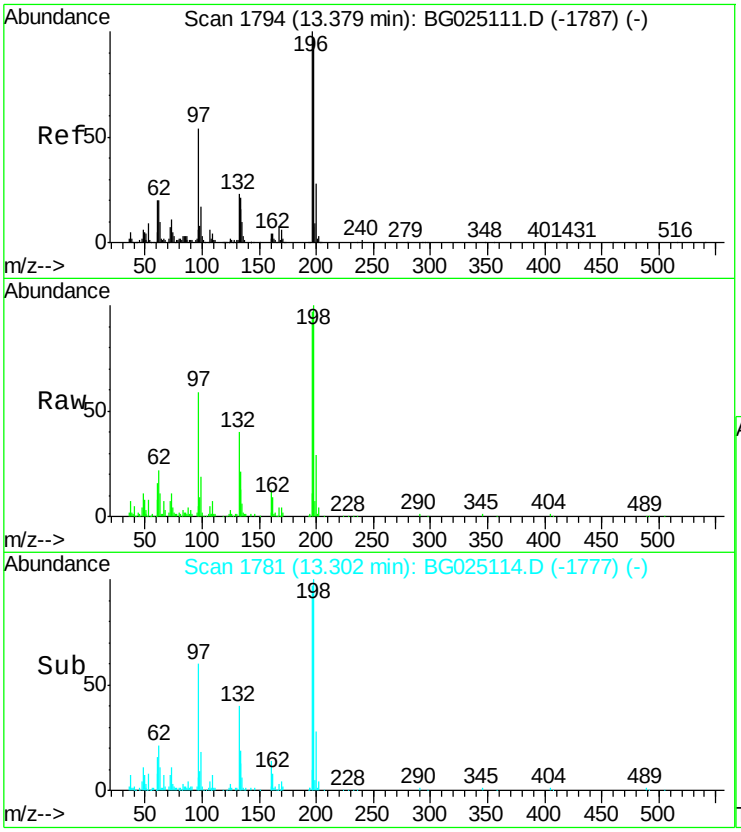


#38
2,4,6-Trichlorophenol
Concen: 16.84 ng/ul
RT: 13.30 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:196 Resp: 92041

Ion	Ratio	Lower	Upper
196	100		
198	103.2	71.4	107.2
200	30.0	24.6	37.0



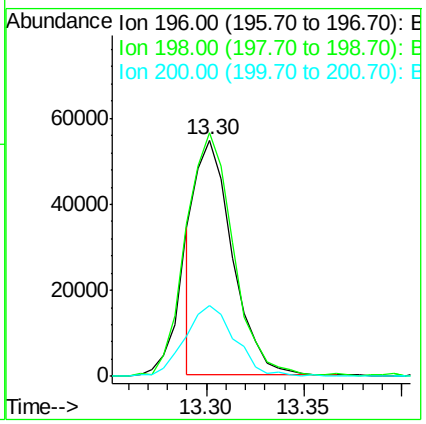


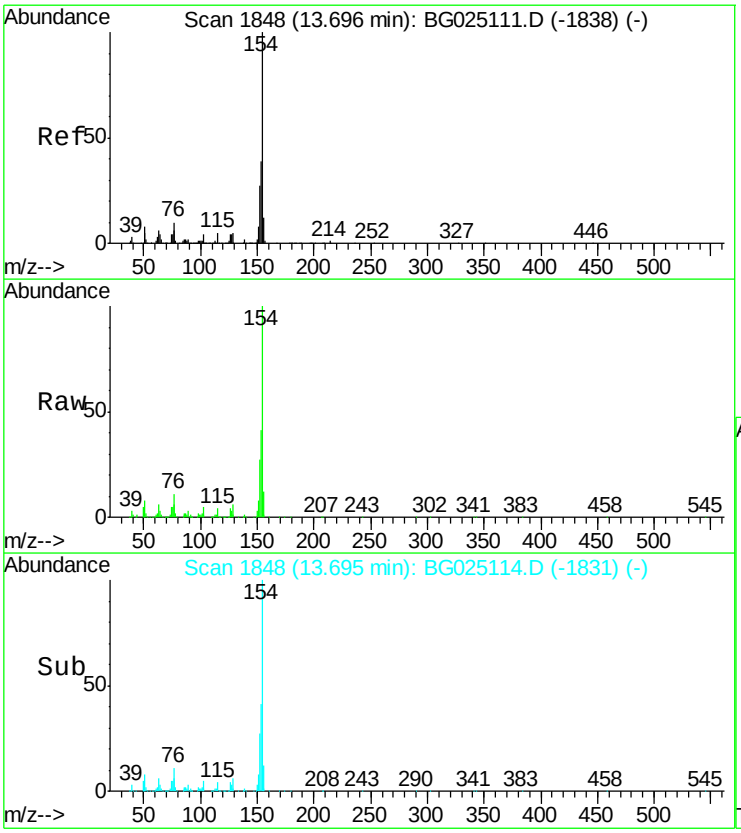
#39
2,4,5-Trichlorophenol
Concen: 11.94 ng/ul
RT: 13.30 min Scan# 1781
Delta R.T. -0.08 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:196 Resp: 71511

Ion	Ratio	Lower	Upper
196	100		
198	103.2	78.6	118.0
200	30.0	27.3	40.9

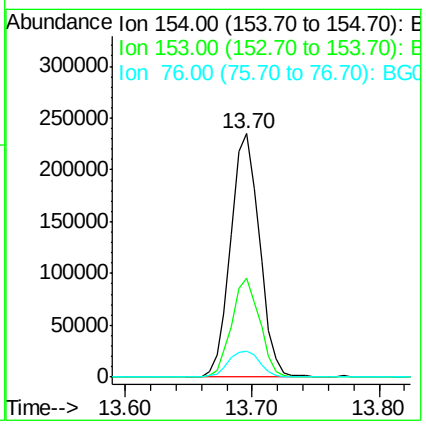


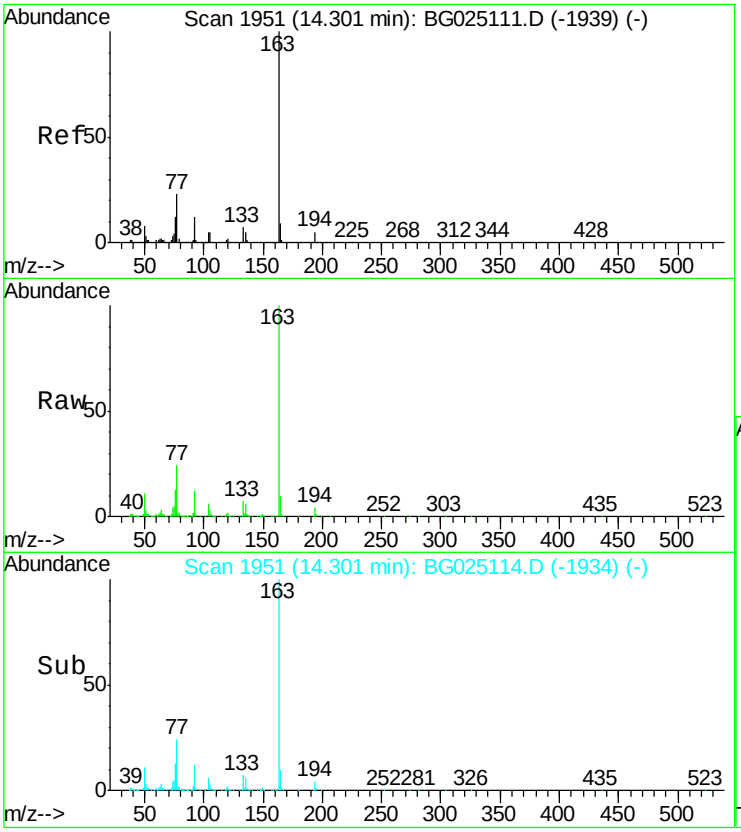


#40
1,1'-Biphenyl
Concen: 21.11 ng/ul
RT: 13.70 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:154 Resp: 369407

Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.2	48.2
76	10.7	9.6	14.4



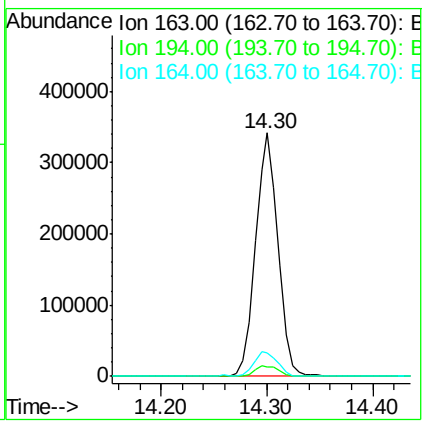


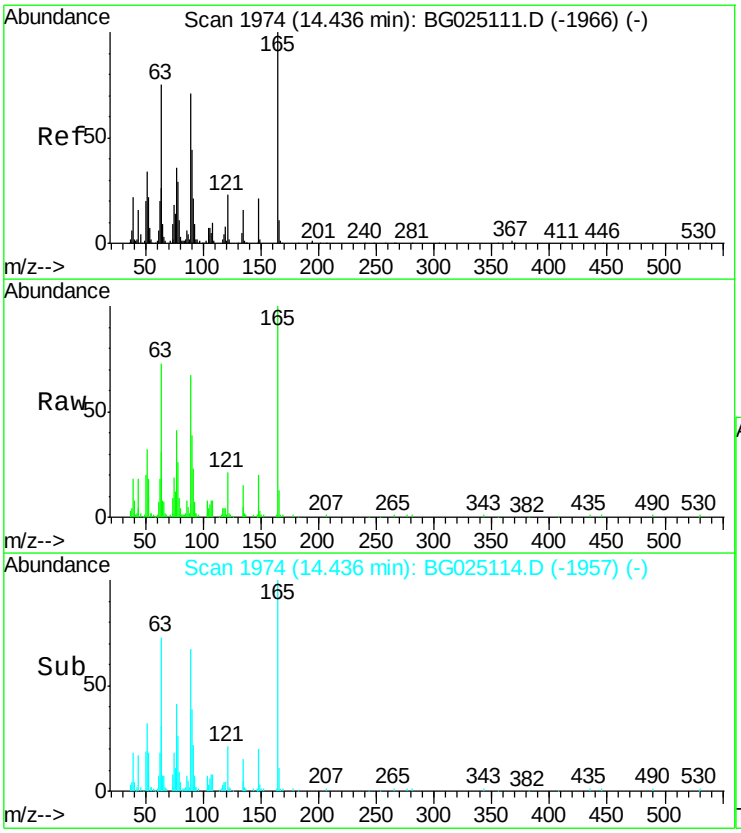
#44
Dimethylphthalate
Concen: 25.91 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:163 Resp: 505568

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.6	9.0	13.4

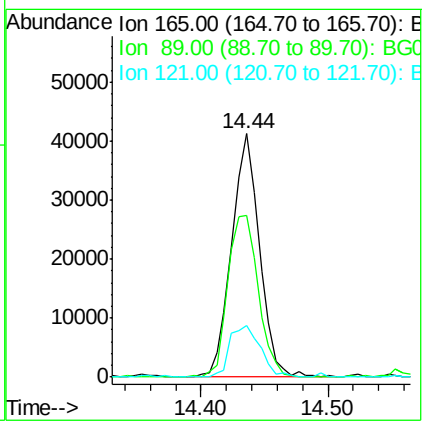


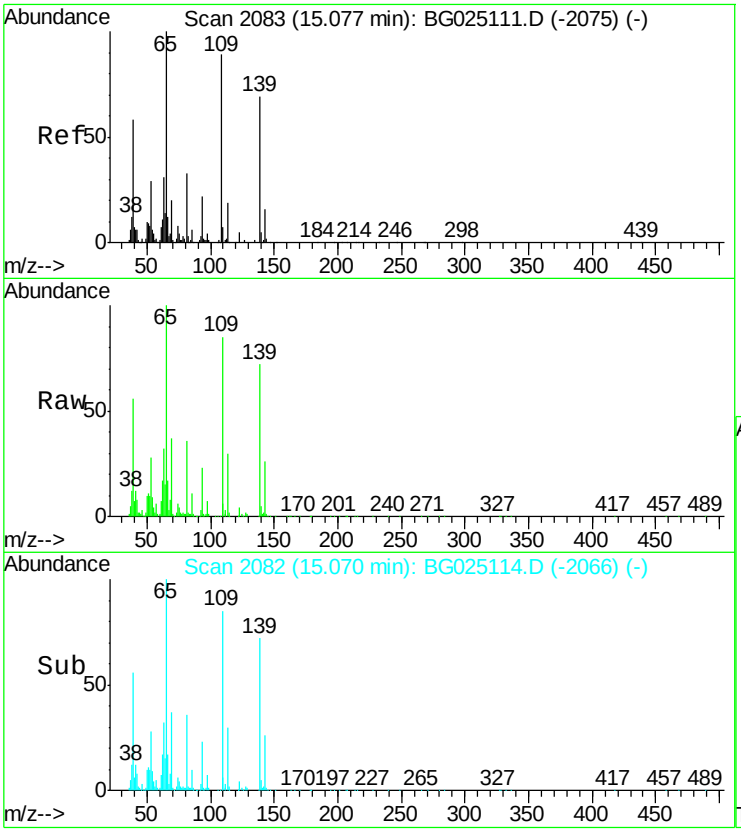


#45
2,6-Dinitrotoluene
Concen: 14.98 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:165 Resp: 62830

Ion	Ratio	Lower	Upper
165	100		
89	66.6	52.9	79.3
121	21.1	22.2	33.4#



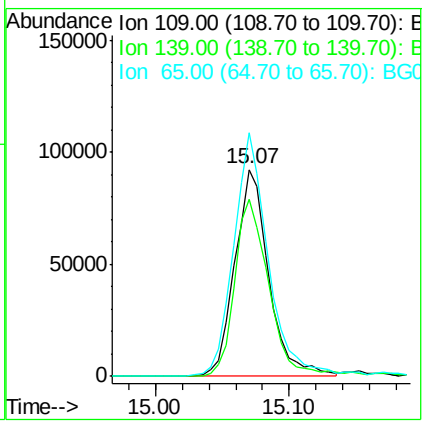


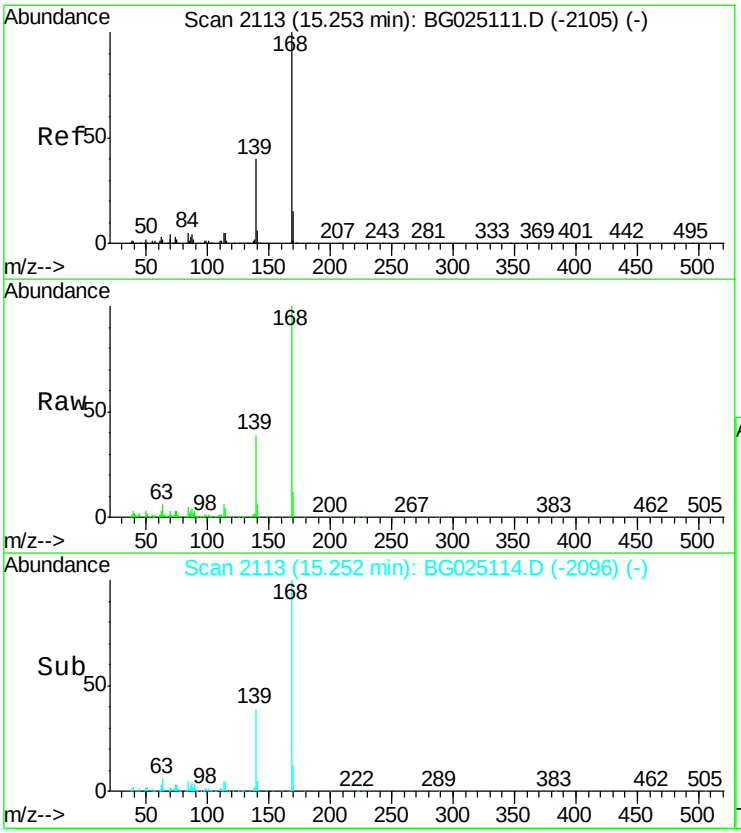
#52
4-Nitrophenol
Concen: 39.44 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:109 Resp: 161864

Ion	Ratio	Lower	Upper
109	100		
139	85.3	62.6	93.8
65	117.7	90.4	135.6

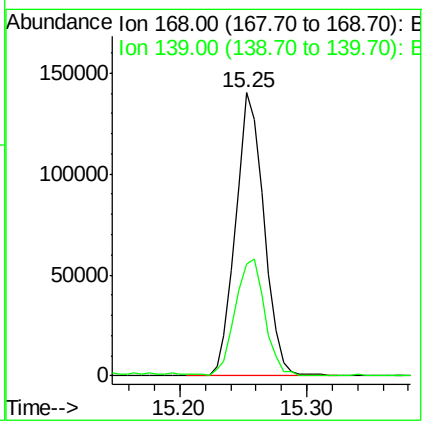


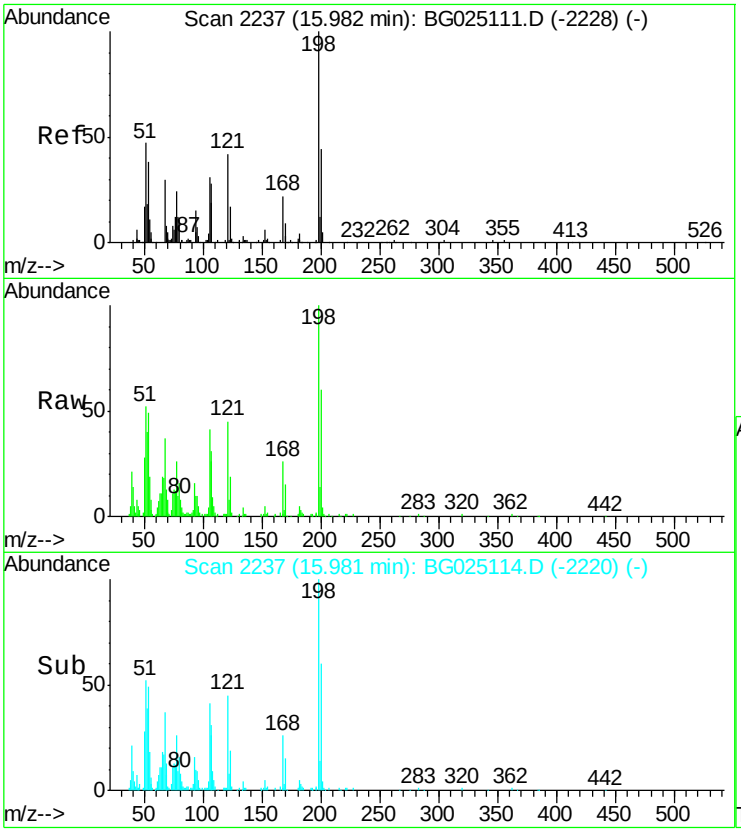


#53
Dibenzofuran
Concen: 9.46 ng/ul
RT: 15.25 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:168 Resp: 216615

Ion	Ratio	Lower	Upper
168	100		
139	39.4	33.8	50.8



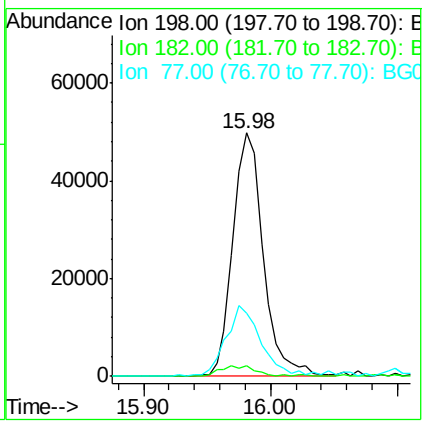


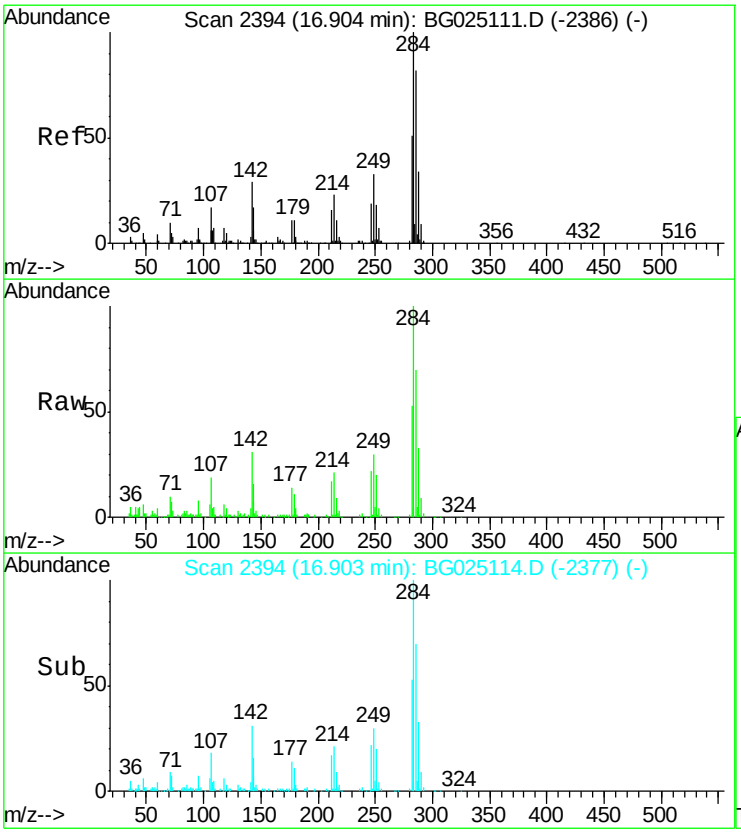
#63
4,6-Dinitro-2-methylphenol
Concen: 20.42 ng/ul
RT: 15.98 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:198 Resp: 82962

Ion	Ratio	Lower	Upper
198	100		
182	4.6	5.8	6.4#
77	25.8	22.1	33.9

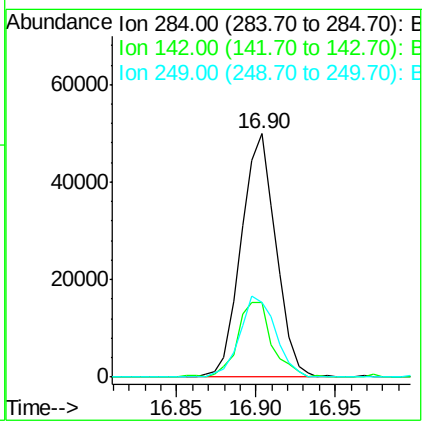


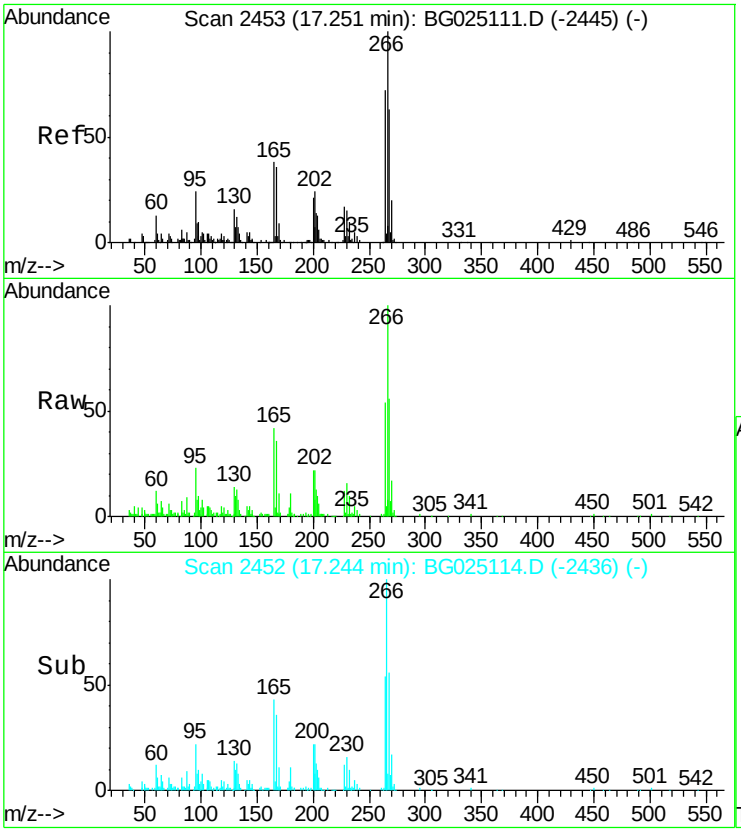


#66
Hexachlorobenzene
Concen: 9.38 ng/ul
RT: 16.90 min Scan# 2394
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:284 Resp: 75630

Ion	Ratio	Lower	Upper
284	100		
142	30.6	26.1	39.1
249	30.5	25.9	38.9



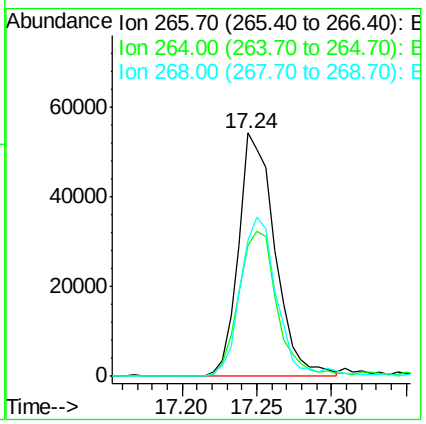


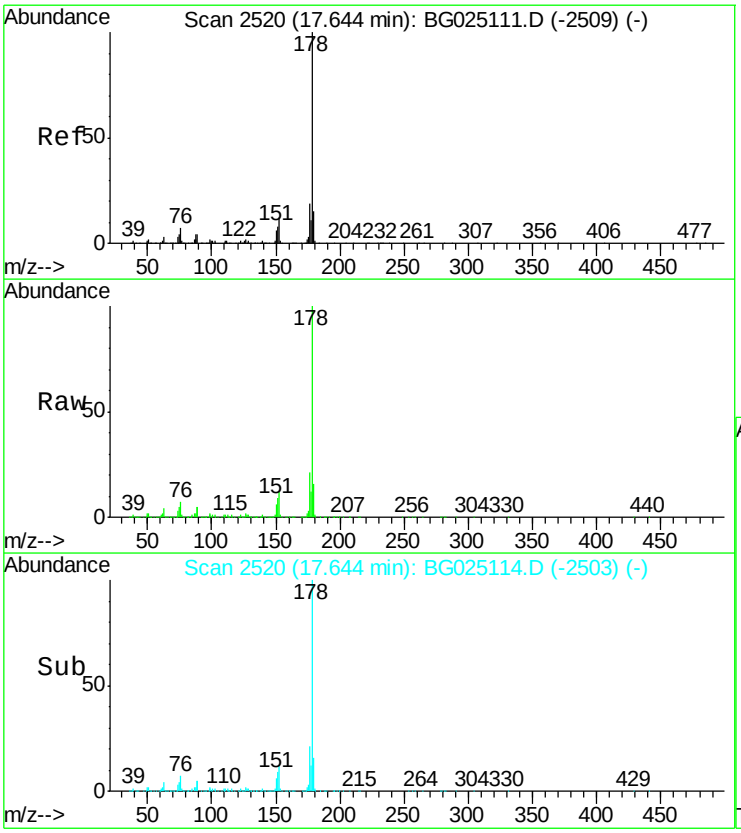
#68
Pentachlorophenol
Concen: 18.91 ng/ul
RT: 17.24 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:266 Resp: 91610

Ion	Ratio	Lower	Upper
266	100		
264	54.0	47.1	70.7
268	55.6	56.2	84.4#

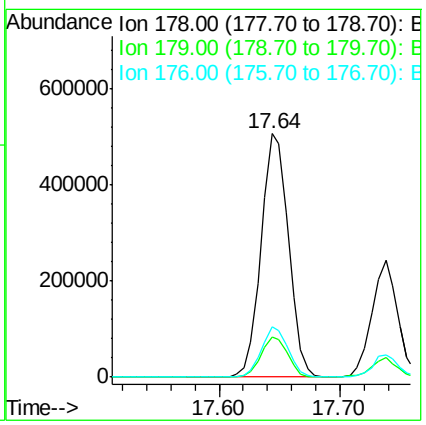


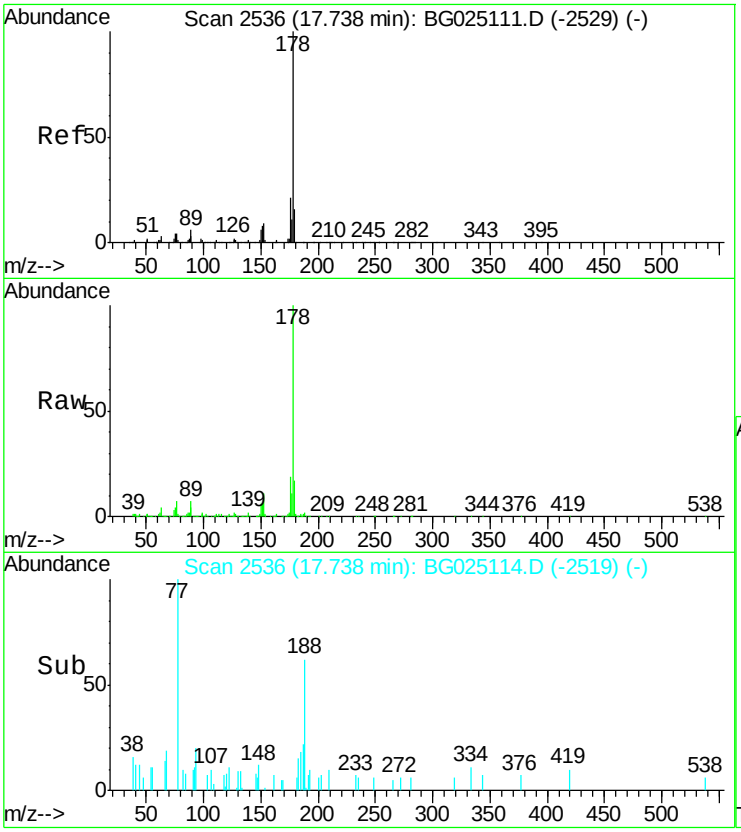


#69
Phenanthrene
Concen: 26.28 ng/ul
RT: 17.64 min Scan# 2520
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:178 Resp: 795527

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.4	18.6
176	20.7	16.5	24.7



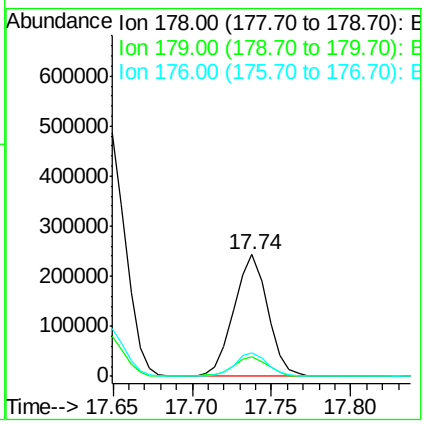


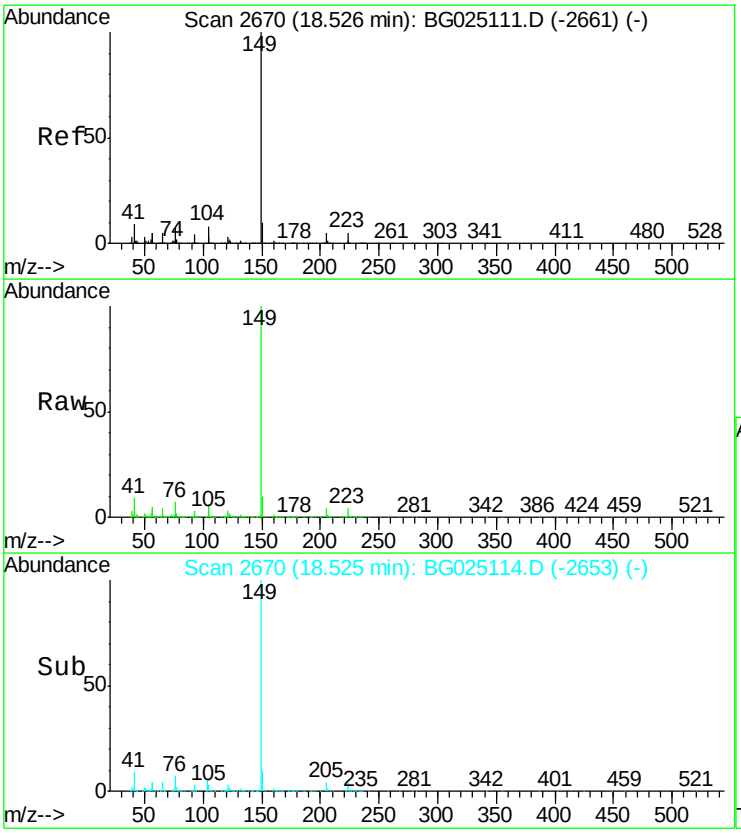
#71
Anthracene
Concen: 11.48 ng/ul
RT: 17.74 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:178 Resp: 357233

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.6	19.0
176	18.8	15.9	23.9

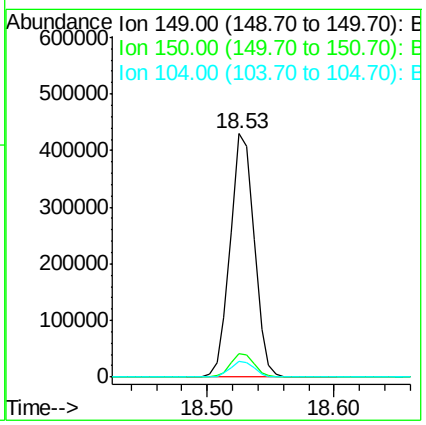


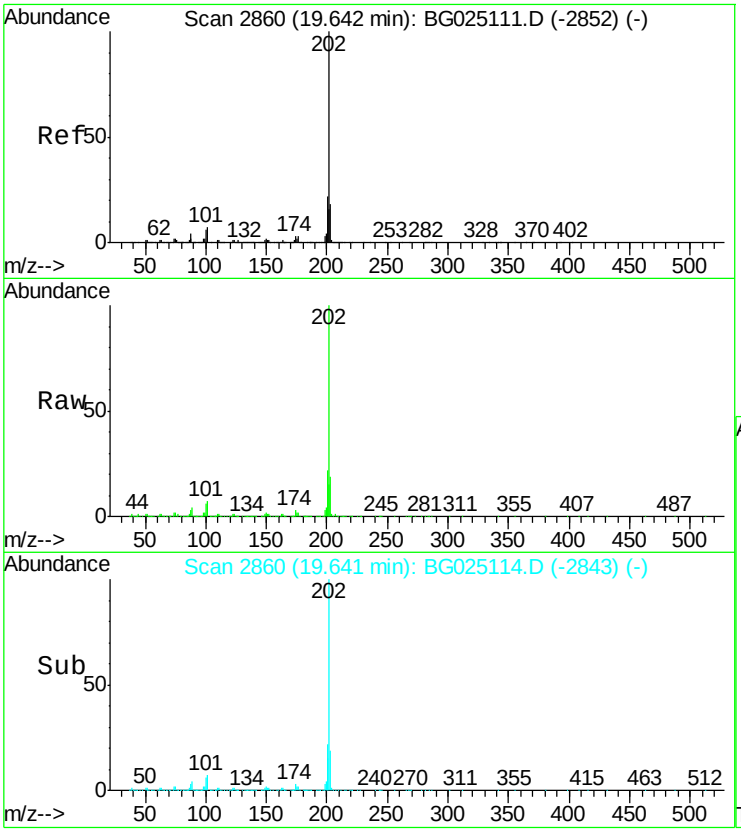


#73
Di-n-butylphthalate
Concen: 17.13 ng/ul
RT: 18.53 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:149 Resp: 561523

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.9	11.9
104	6.4	5.8	8.8



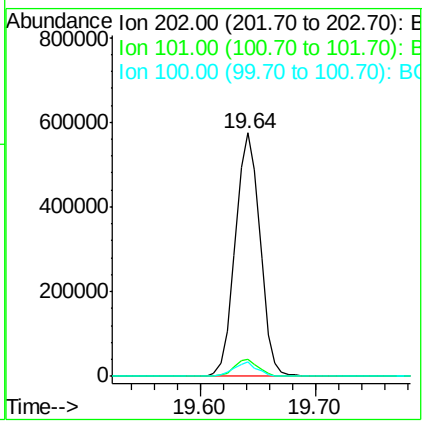


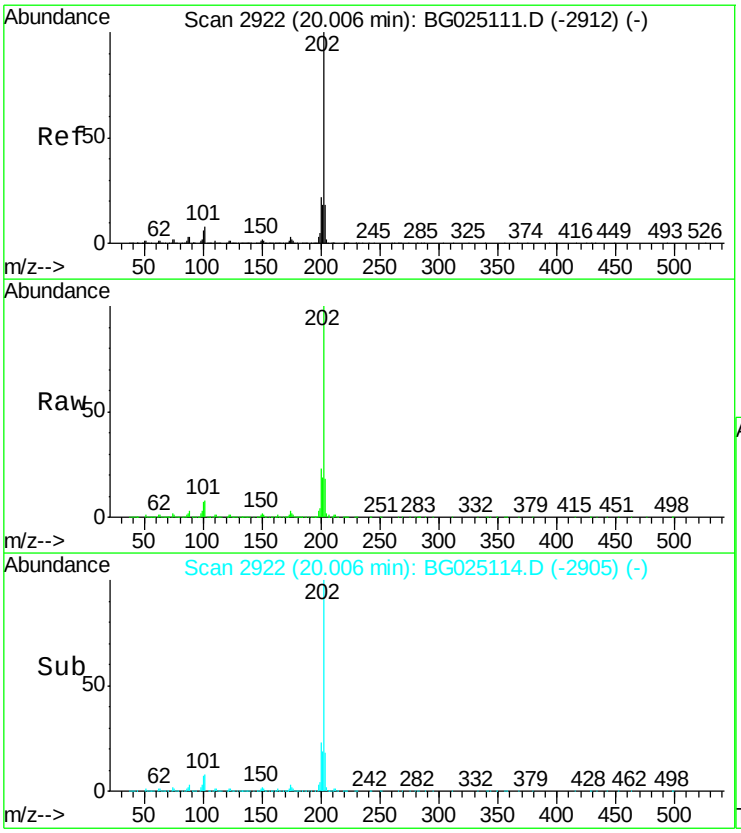
#74
Fluoranthene
Concen: 23.71 ng/ul
RT: 19.64 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:202 Resp: 853102

Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.2
100	5.9	5.2	7.8

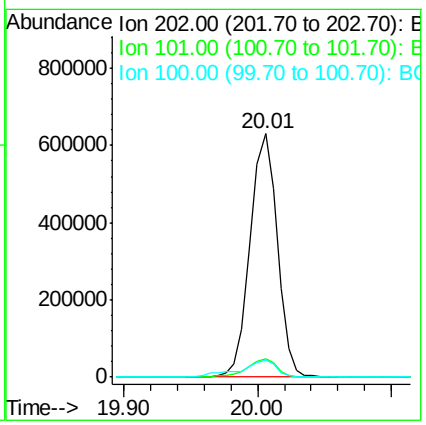


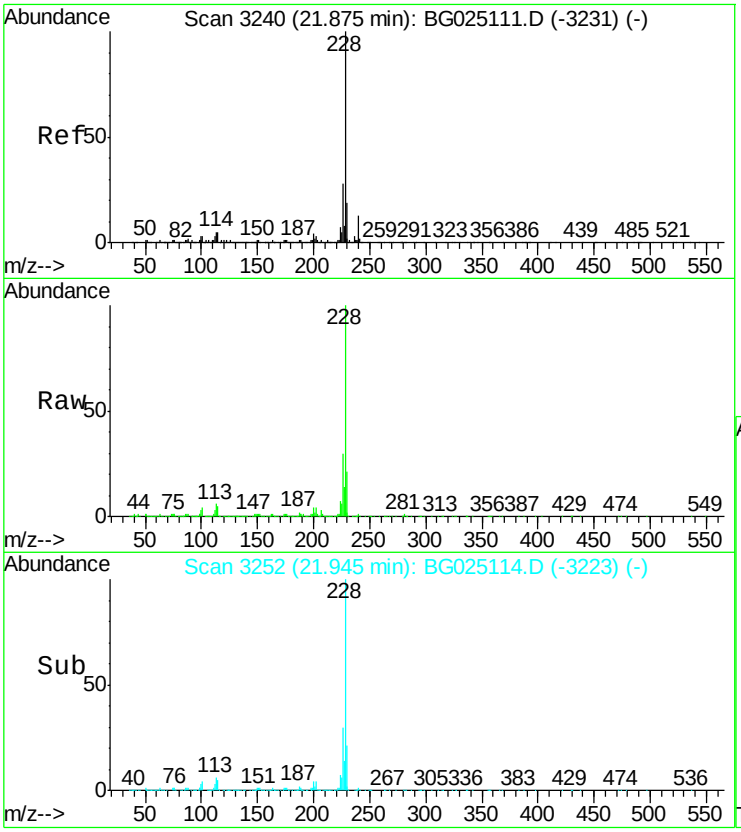


#77
Pyrene
Concen: 23.49 ng/ul
RT: 20.01 min Scan# 2922
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:202 Resp: 885992

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.9	10.3
100	6.7	6.6	10.0



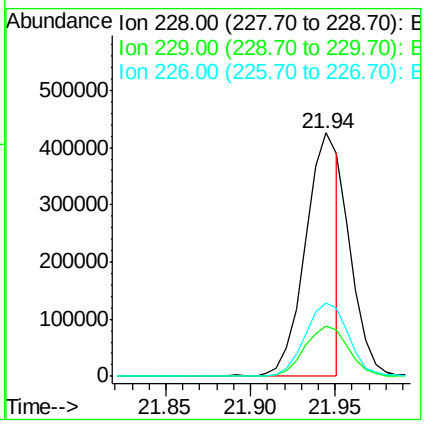


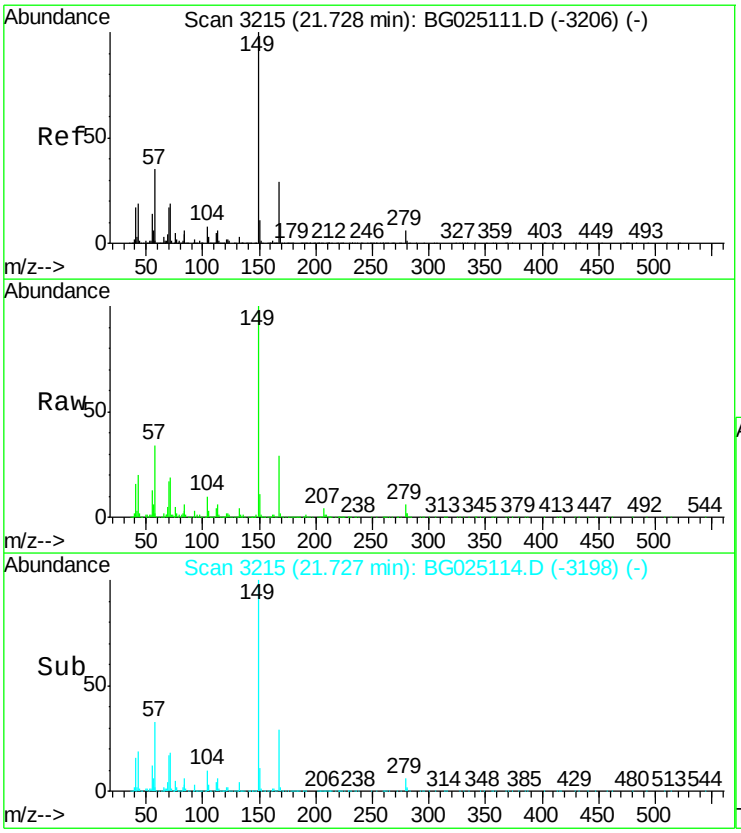
#80
Benzo(a)anthracene
Concen: 13.95 ng/ul
RT: 21.94 min Scan# 3252
Delta R.T. 0.07 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:228 Resp: 568749

Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.3	24.5
226	29.9	21.9	32.9

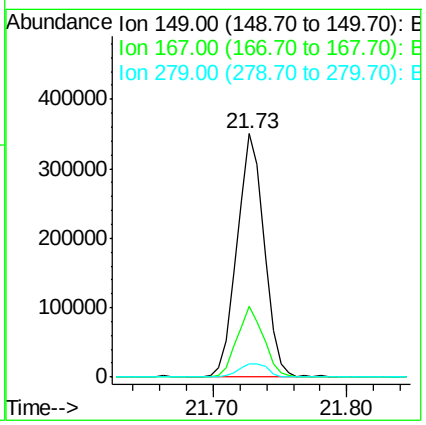


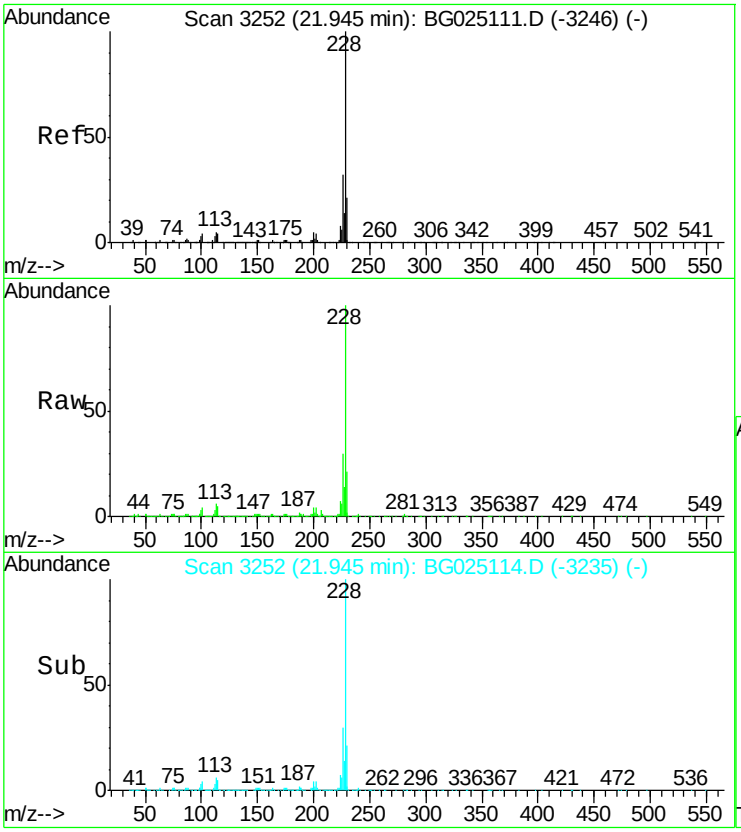


#81
Bis(2-ethylhexyl)phthalate
Concen: 24.18 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:149 Resp: 491438

Ion	Ratio	Lower	Upper
149	100		
167	28.9	21.8	32.8
279	5.5	4.5	6.7



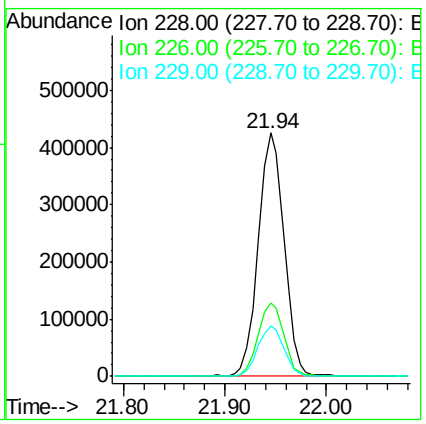


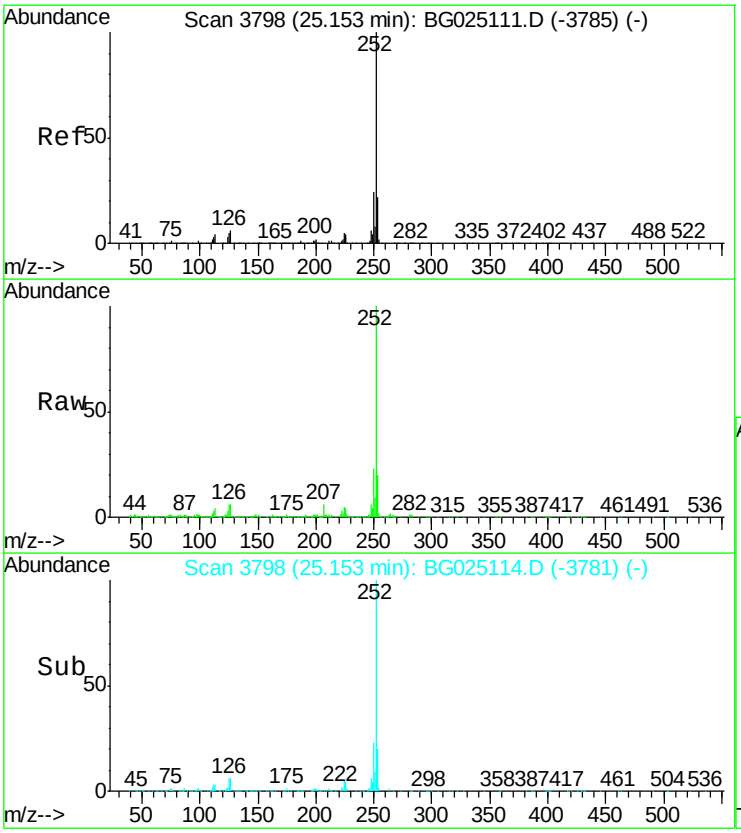
#82
Chrysene
Concen: 19.78 ng/ul
RT: 21.94 min Scan# 3252
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:228 Resp: 754180

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	20.7	16.9	25.3

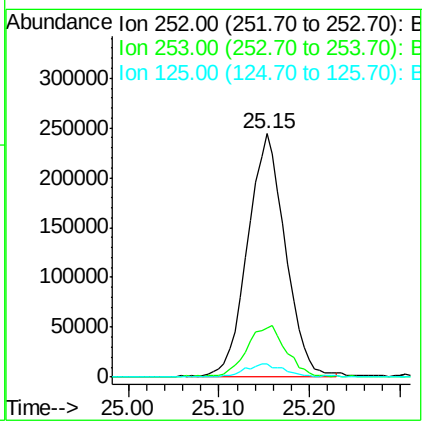


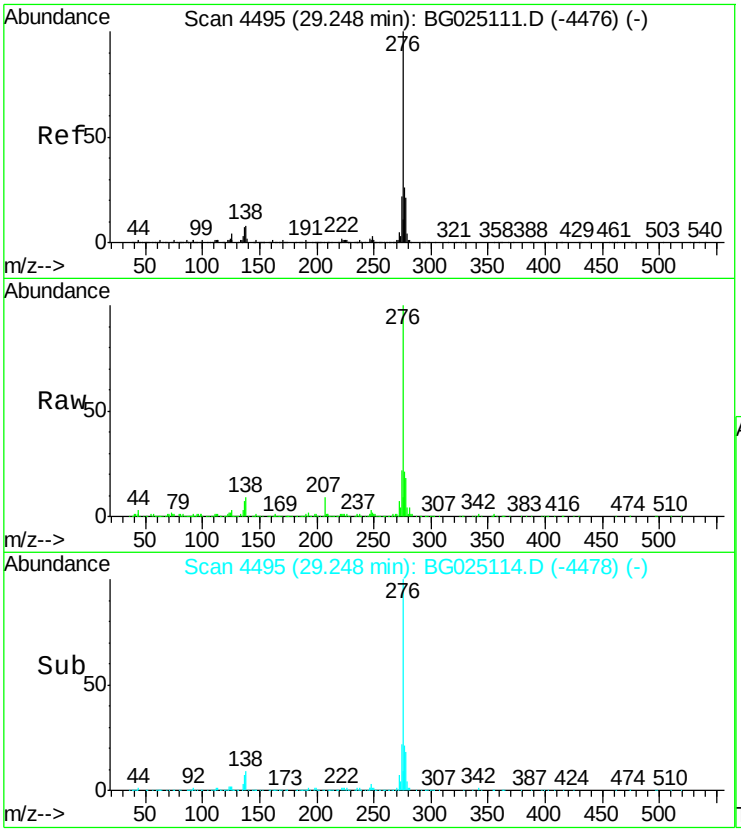


#88
Benzo(a)pyrene
Concen: 18.13 ng/ul
RT: 25.15 min Scan# 3798
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:252 Resp: 697660

Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.8	26.6
125	5.7	5.4	8.0



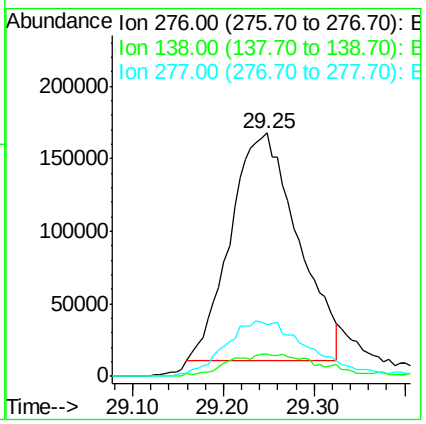


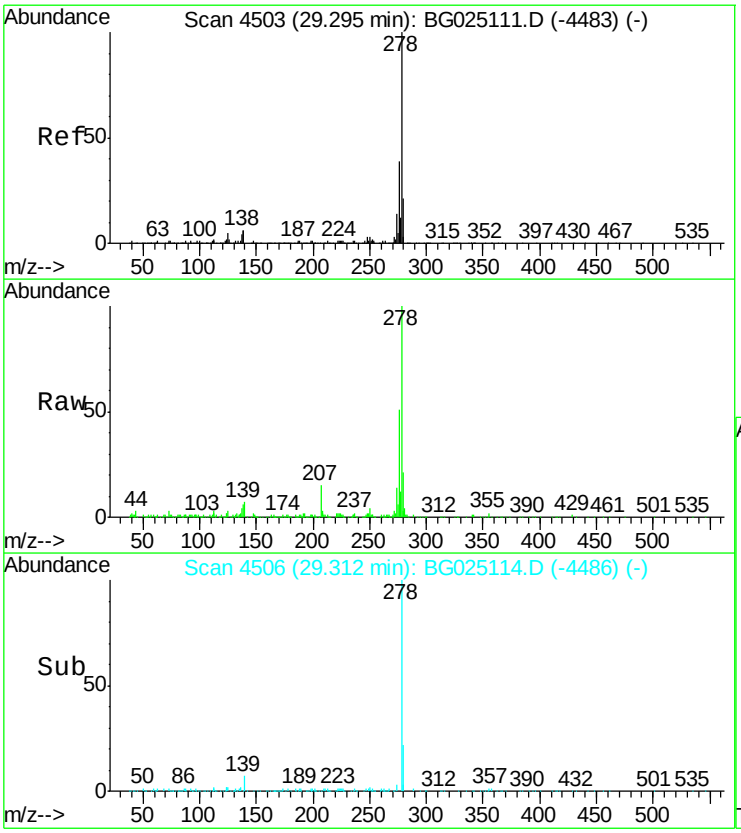
#89
Indeno(1,2,3-cd)pyrene
Concen: 16.96 ng/ul
RT: 29.25 min Scan# 4495
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:276 Resp: 810998

Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.2	12.4
277	21.4	18.6	28.0

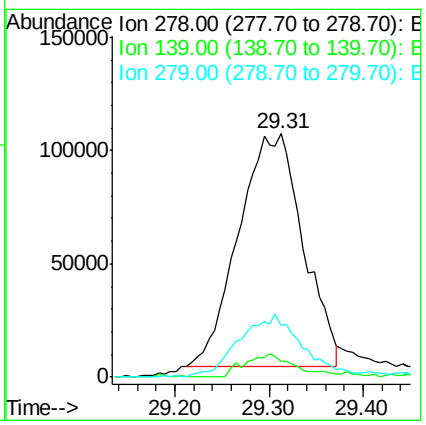


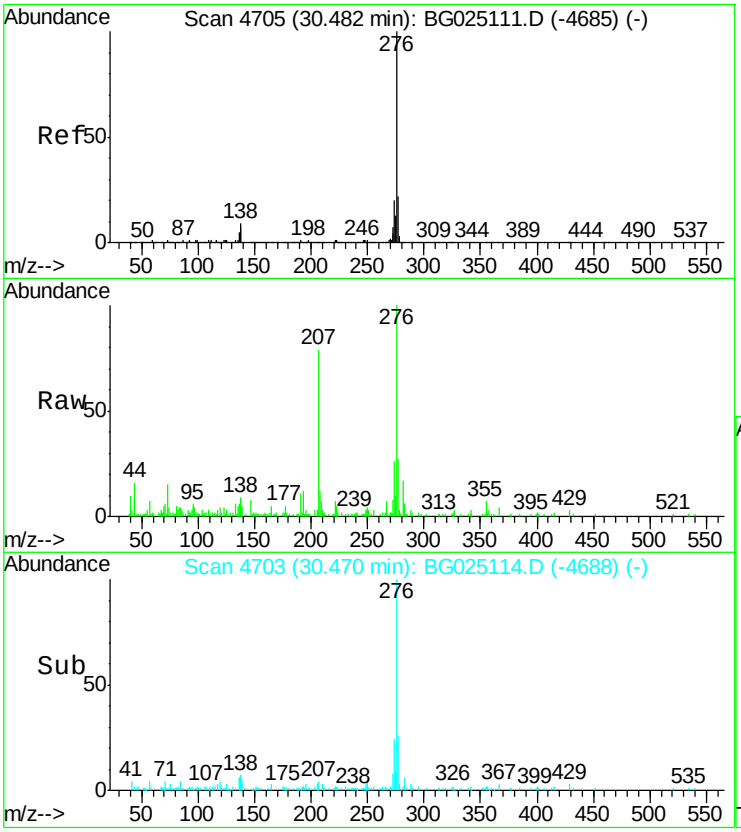


#90
Dibenzo(a,h)anthracene
Concen: 12.13 ng/ul
RT: 29.31 min Scan# 4506
Delta R.T. 0.02 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:278 Resp: 488544

Ion	Ratio	Lower	Upper
278	100		
139	6.5	6.7	10.1#
279	21.2	20.9	31.3





#91
Benzo(g,h,i)perylene
Concen: 2.53 ng/ul
RT: 30.47 min Scan# 4703
Delta R.T. -0.01 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tgt Ion:276 Resp: 100868

Ion	Ratio	Lower	Upper
276	100		
138	13.6	8.6	12.8#
277	27.1	17.6	26.4#