Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025101.D
Acq On : 11 Dec 2016 12:55
Operator : UM/SJ
Sample : H5905-05MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Dec 12 06:40:39 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	112501	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	468239	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	364671	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	788646	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	952053	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	990738	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	17381	7.98	ng/uL	0.00
5) Phenol-d5	7.38	99	416650	42.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	274629	45.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	291791	42.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	325062	40.08	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	139190	41.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	172514	41.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.67	165	323595	40.71	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	115024	14.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	1021922	40.74	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	1161160	42.26	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	176285	40.89	ng/ul	0.00
57) Fluorene-d10	15.85	176	936978	39.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	222379	45.60	ng/ul	0.00
70) Anthracene-d10	17.70	188	1401985	42.12	ng/ul	0.00
76) Pyrene-d10	19.98	212	1631298	41.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1717165	42.78	ng/ul	0.02
Target Compounds						Qvalue
6) Phenol	7.41	94	488014	48.99	ng/ul	95
10) 2-Chlorophenol	7.80	128	281891	41.31	ng/ul	95
15) N-Nitroso-di-n-propylamine	9.04	70	274385	38.49	ng/ul#	91
28) Naphthalene	11.12	128	163428	7.51	ng/ul	99
33) 4-Chloro-3-methylphenol	12.32	107	378138	39.75	ng/ul	99
34) 2-Methylnaphthalene	12.70	142	59339	3.45	ng/ul	91
44) Dimethylphthalate	14.29	163	251496	10.20	ng/ul	99
49) Acenaphthene	14.92	153	945562	51.67	ng/ul	97
52) 4-Nitrophenol	15.07	109	206244	39.78	ng/ul	99
53) Dibenzofuran	15.25	168	115699	4.00	ng/ul	95
54) 2,4-Dinitrotoluene	15.22	165	329217	41.24	ng/ul	94
58) Fluorene	15.90	166	114349	4.85	ng/ul	92
68) Pentachlorophenol	17.25	266	251375	41.74	ng/ul	93
69) Phenanthrene	17.64	178	1403408	37.28	ng/ul	98
71) Anthracene	17.74	178	342688	8.86	ng/ul	99
72) Carbazole	18.01	167	181234	5.61	ng/ul#	90
74) Fluoranthene	19.64	202	2195280	49.08	ng/ul	99
77) Pyrene	20.00	202	3355933	73.33	ng/ul#	92
80) Benzo(a)anthracene	21.87	228	1607306	32.49	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	35851	1.45	ng/ul#	98
82) Chrysene	21.94	228	1556953	33.65	ng/ul	95
85) Benzo(b)fluoranthene	24.22	252	2431786	49.50	ng/ul#	96
86) Benzo(k)fluoranthene	24.22	252	670863	14.37	ng/ul#	98

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025101.D
Acq On : 11 Dec 2016 12:55
Operator : UM/SJ
Sample : H5905-05MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 12 06:40:39 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)
88) Benzo(a)pyrene	25.16	252	1804873	38.21	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.23	276	1290713	21.99	ng/ul	97
90) Dibenzo(a,h)anthracene	29.28	278	179484	3.63	ng/ul	97
91) Benzo(g,h,i)perylene	30.47	276	1051810	21.47	ng/ul	99

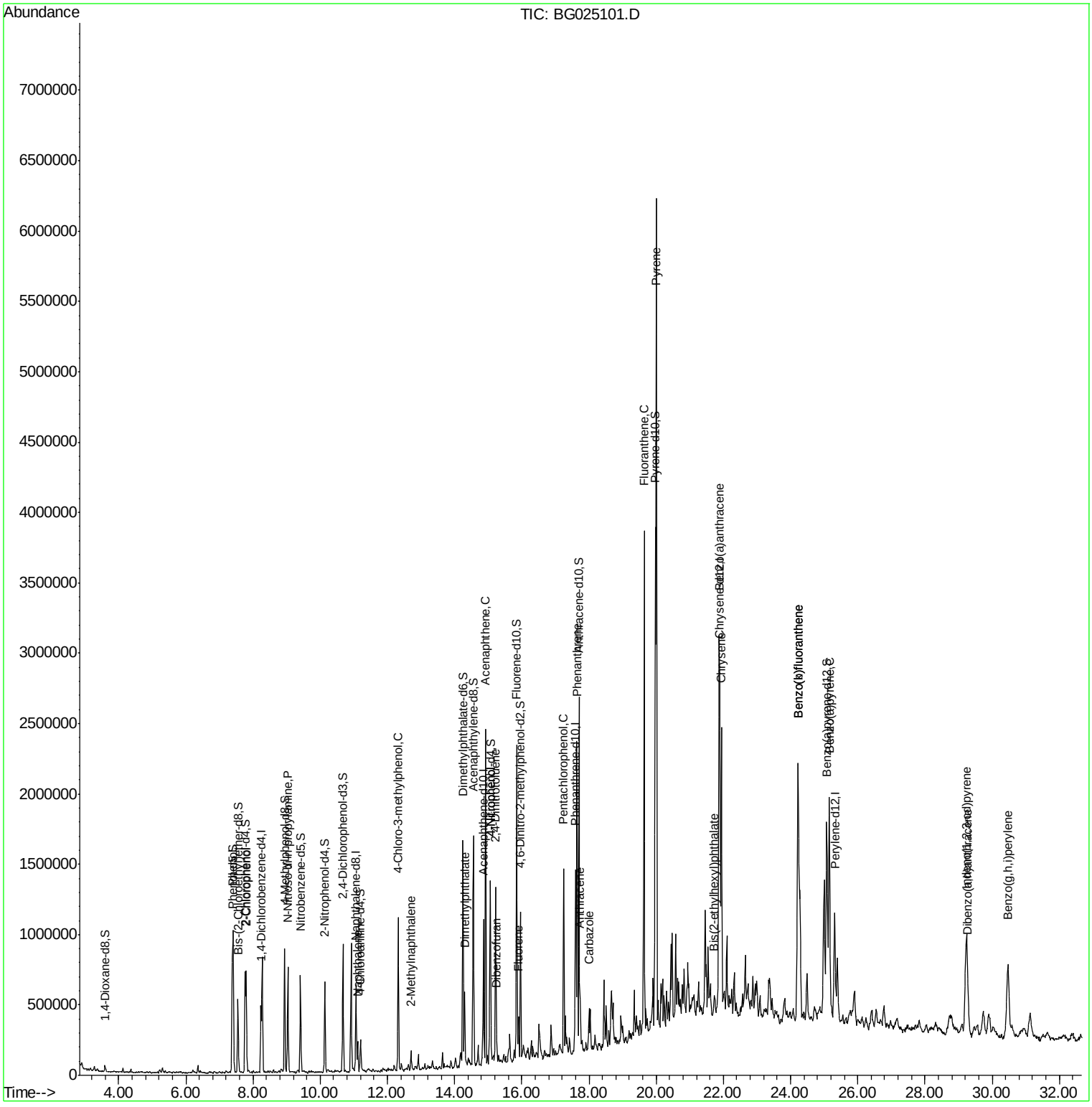
(#) = qualifier out of range (m) = manual integration (+) = signals summed

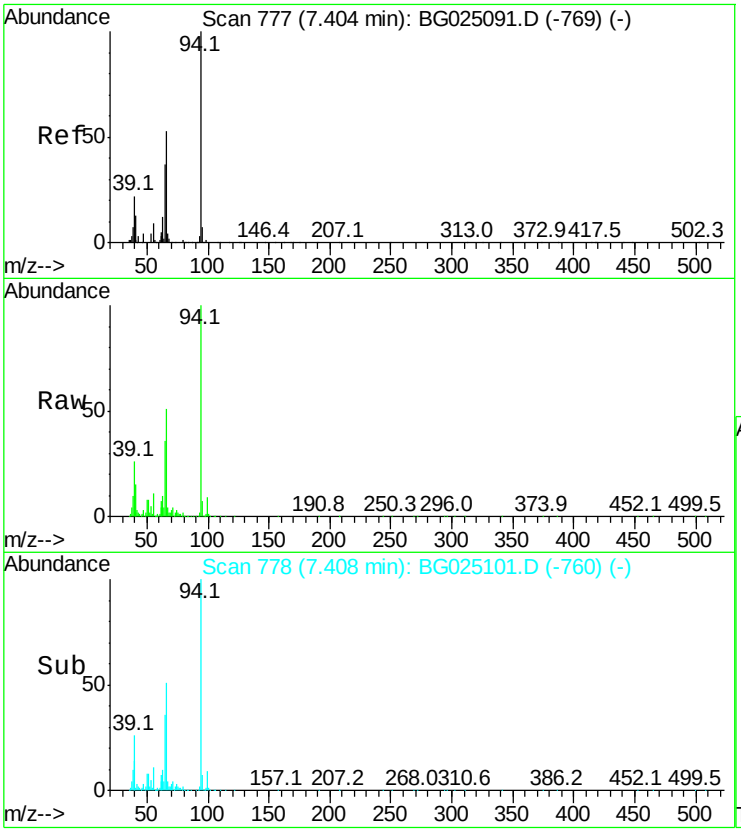
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025101.D
Acq On : 11 Dec 2016 12:55
Operator : UM/SJ
Sample : H5905-05MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 12 06:40:39 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



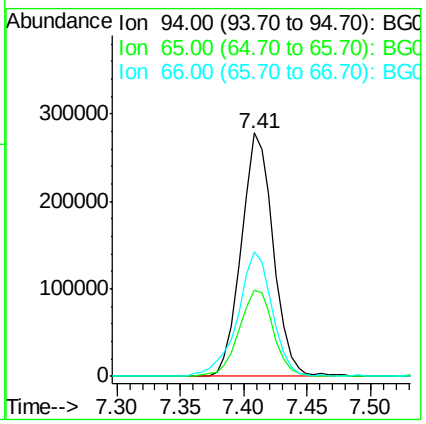


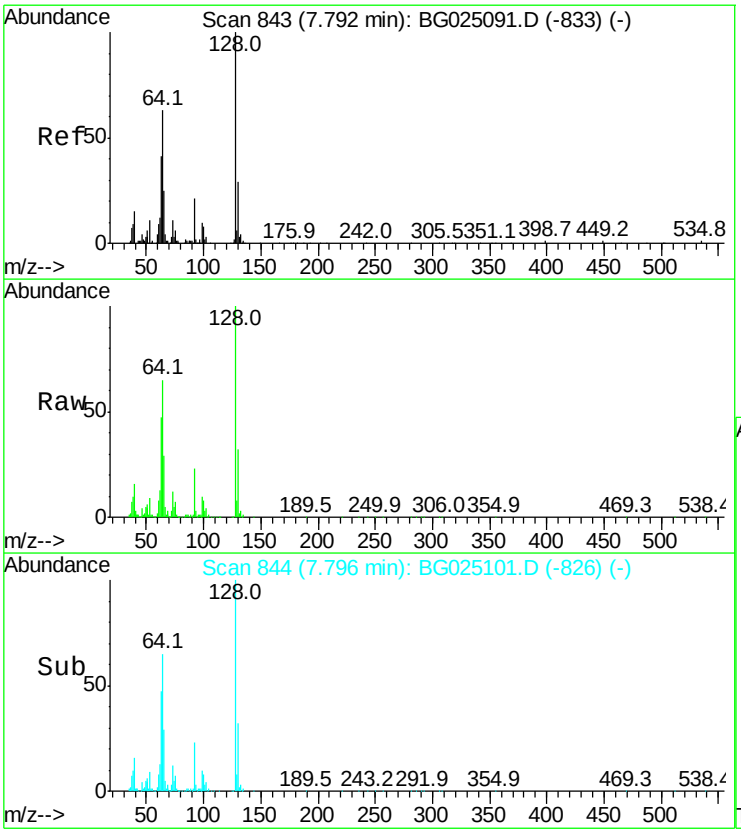
#6
Phenol
Concen: 48.99 ng/ul
RT: 7.41 min Scan# 778
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 94 Resp: 488014

Ion	Ratio	Lower	Upper
94	100		
65	35.6	26.8	40.2
66	50.9	44.4	66.6

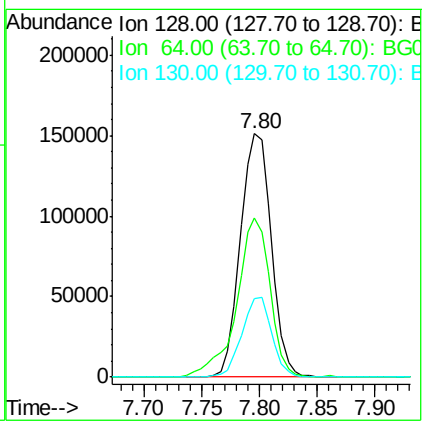


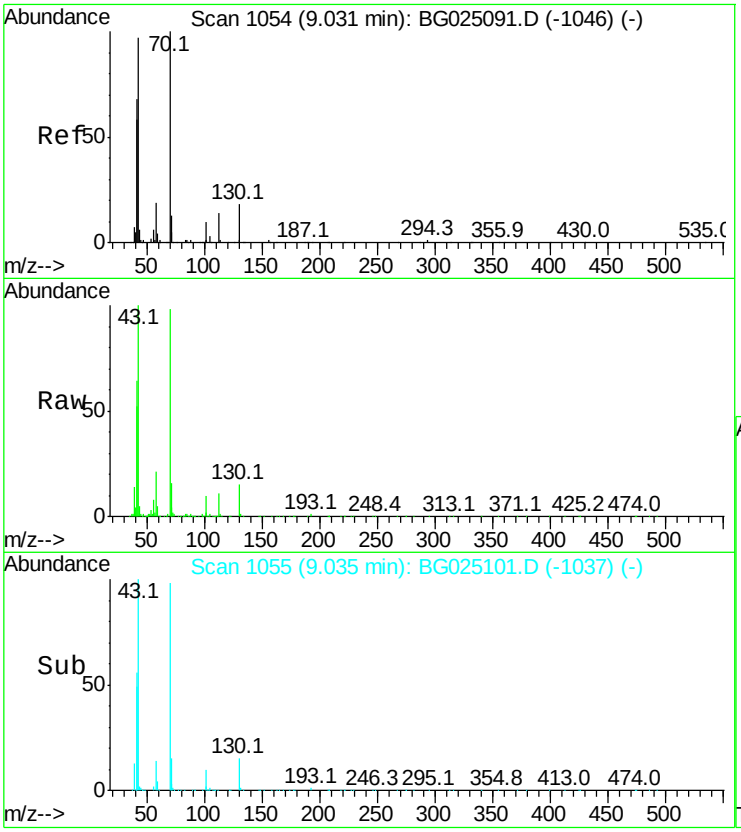


#10
2-Chlorophenol
Concen: 41.31 ng/ul
RT: 7.80 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:128 Resp: 281891

Ion	Ratio	Lower	Upper
128	100		
64	65.4	56.3	84.5
130	32.4	26.7	40.1



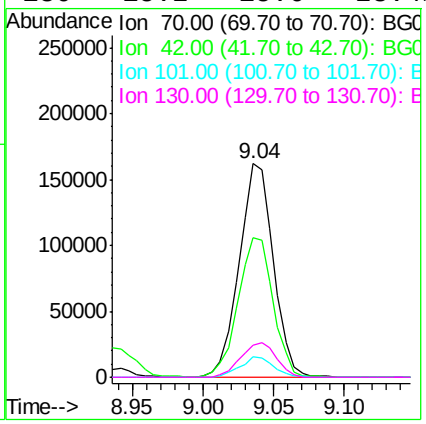


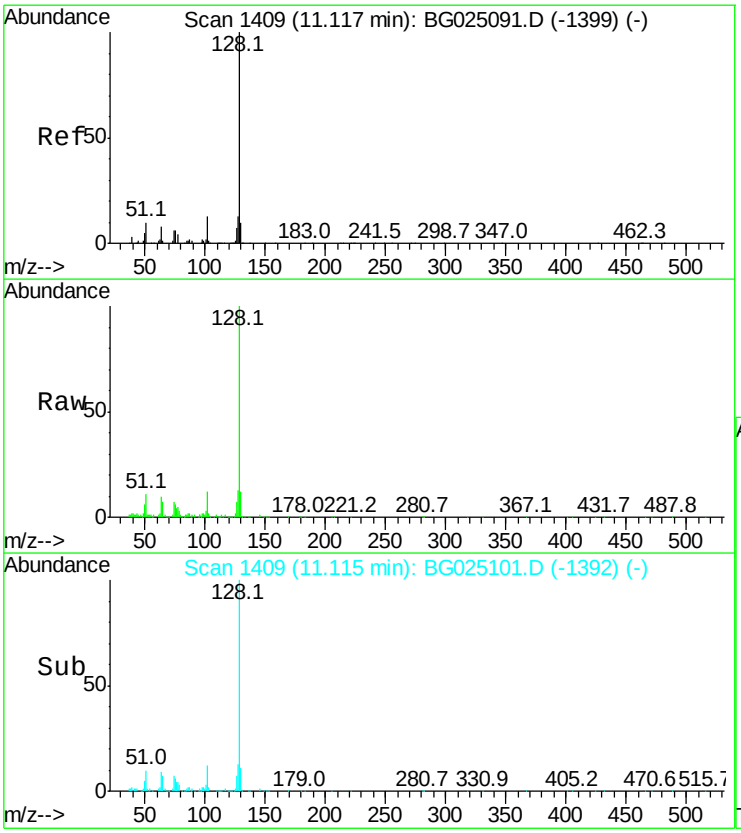
#15
N-Nitroso-di-n-propylamine
Concen: 38.49 ng/ul
RT: 9.04 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 70 Resp: 274385

Ion	Ratio	Lower	Upper
70	100		
42	65.4	59.0	88.6
101	9.8	6.6	9.8
130	15.2	15.6	23.4#

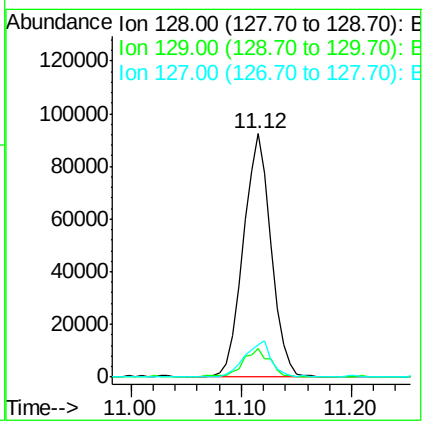


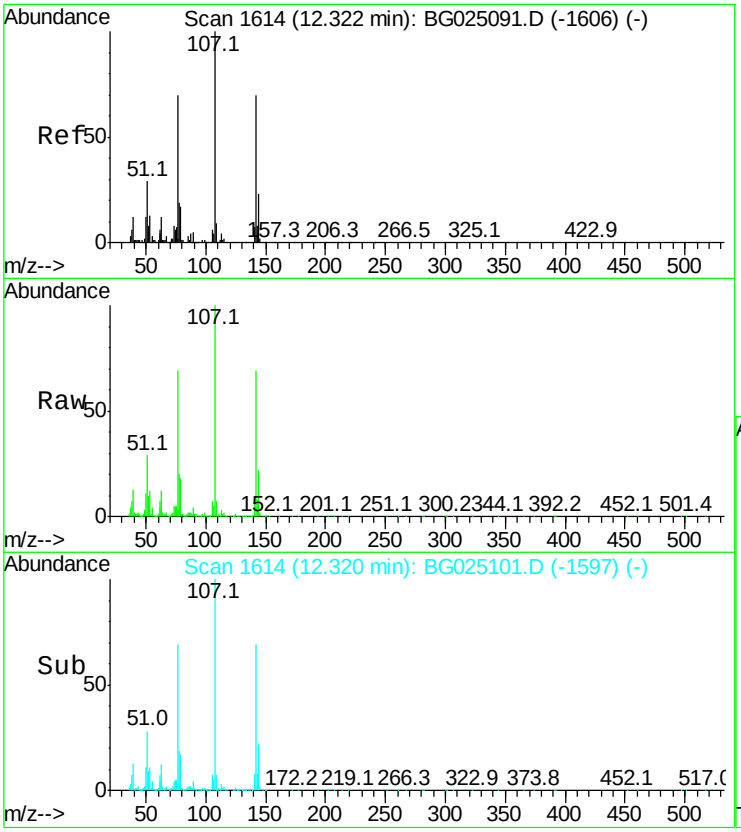


#28
Naphthalene
Concen: 7.51 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:128 Resp: 163428

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.3	10.3	15.5



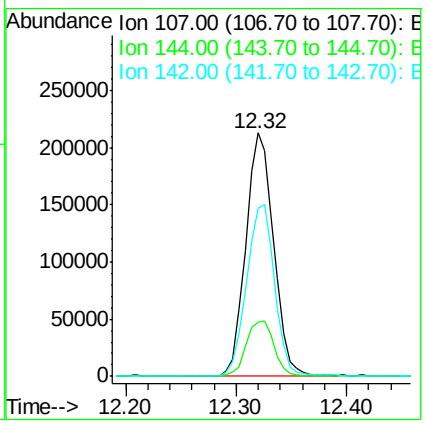


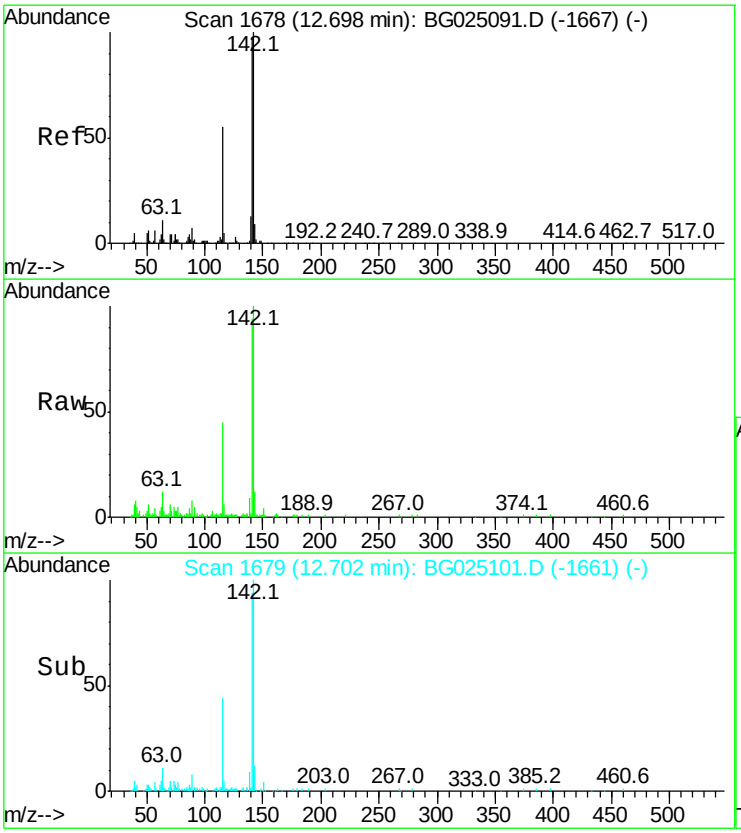
#33
4-Chloro-3-methylphenol
Concen: 39.75 ng/ul
RT: 12.32 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:107 Resp: 378138

Ion	Ratio	Lower	Upper
107	100		
144	22.1	18.2	27.4
142	69.0	55.0	82.4

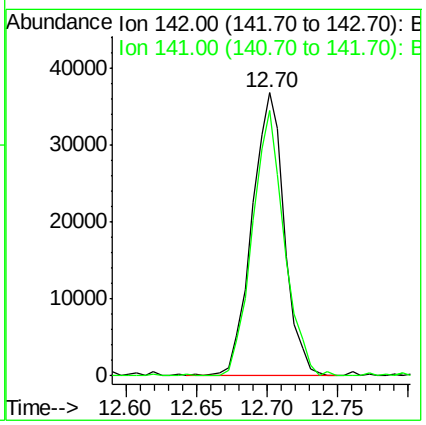


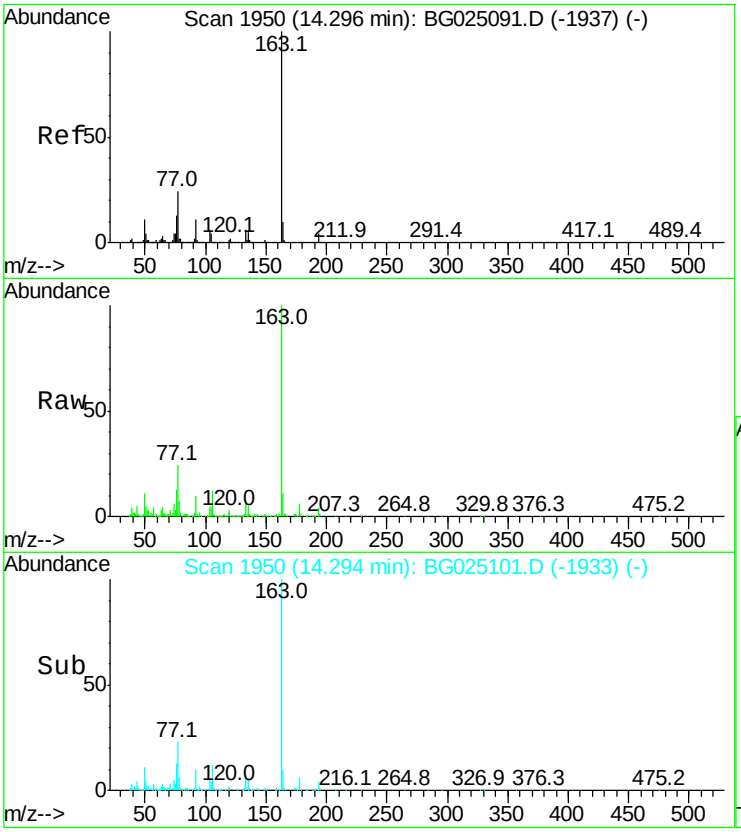


#34
2-Methylnaphthalene
Concen: 3.45 ng/ul
RT: 12.70 min Scan# 1679
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:142 Resp: 59339

Ion	Ratio	Lower	Upper
142	100		
141	93.7	68.6	102.8



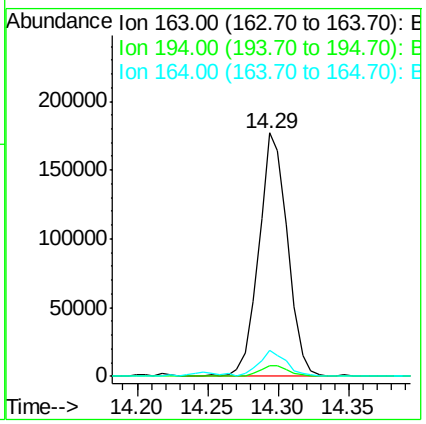


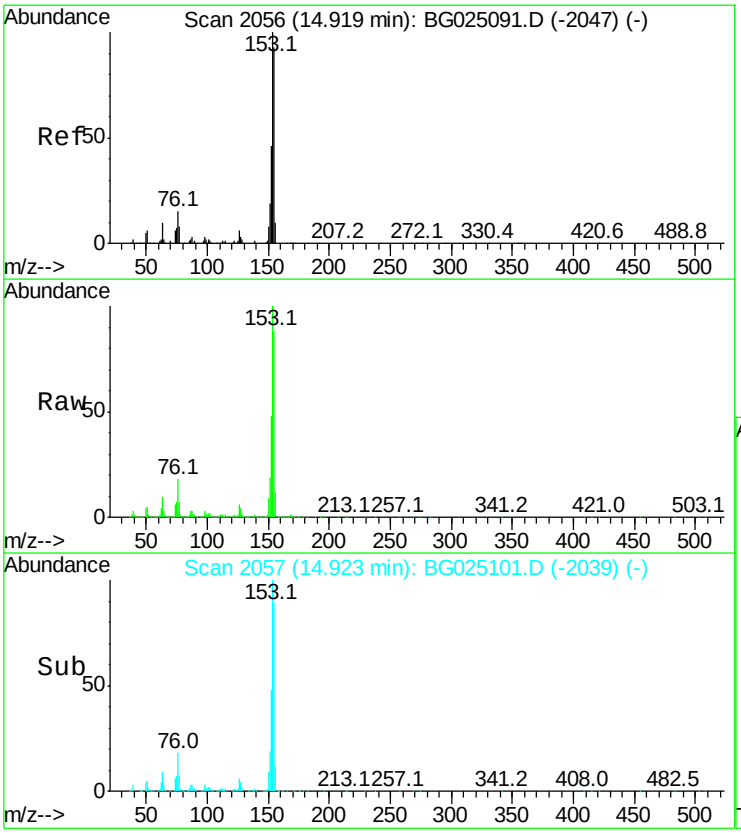
#44
Dimethylphthalate
Concen: 10.20 ng/ul
RT: 14.29 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:163 Resp: 251496

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.7	9.0	13.4

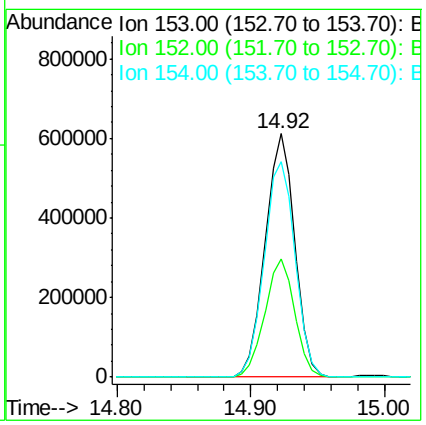


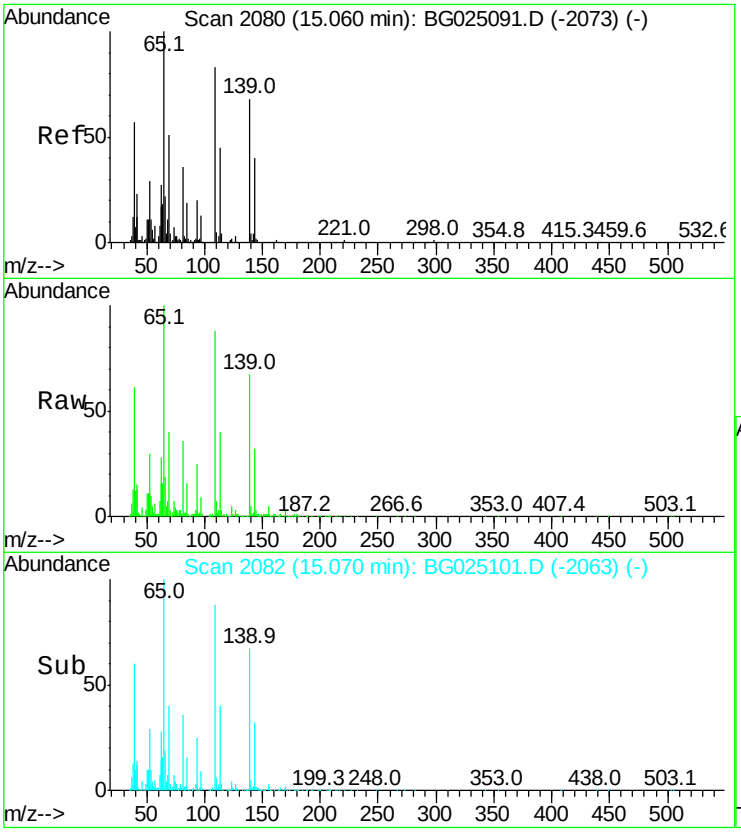


#49
Acenaphthene
Concen: 51.67 ng/ul
RT: 14.92 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:153 Resp: 945562

Ion	Ratio	Lower	Upper
153	100		
152	48.4	36.5	54.7
154	88.5	72.3	108.5



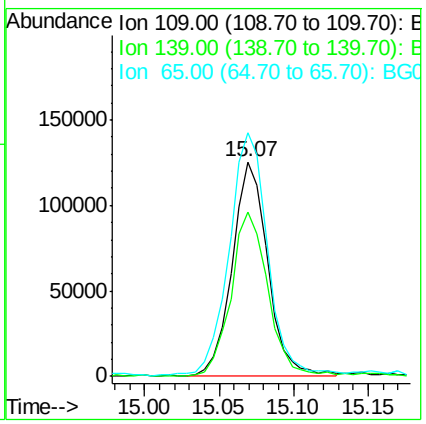


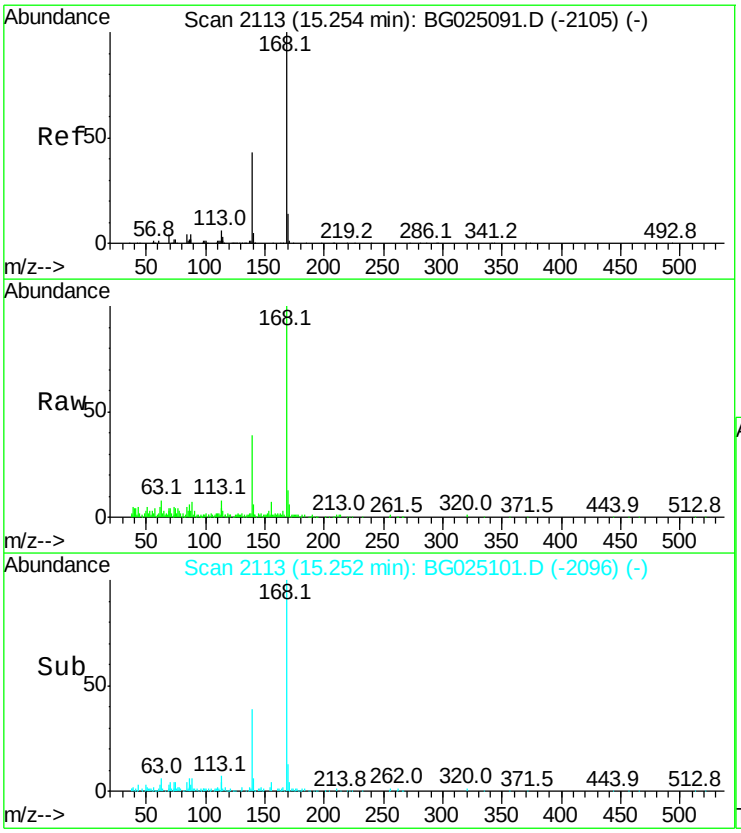
#52
4-Nitrophenol
Concen: 39.78 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. 0.01 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:109 Resp: 206244

Ion	Ratio	Lower	Upper
109	100		
139	76.5	62.6	93.8
65	113.6	90.4	135.6

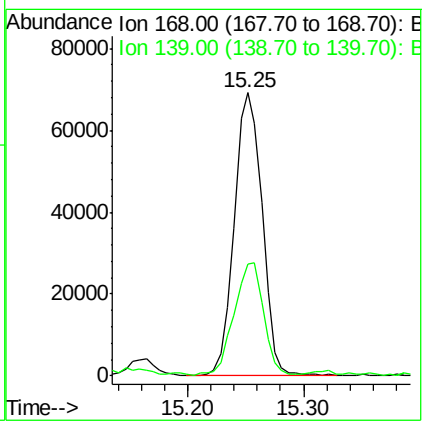


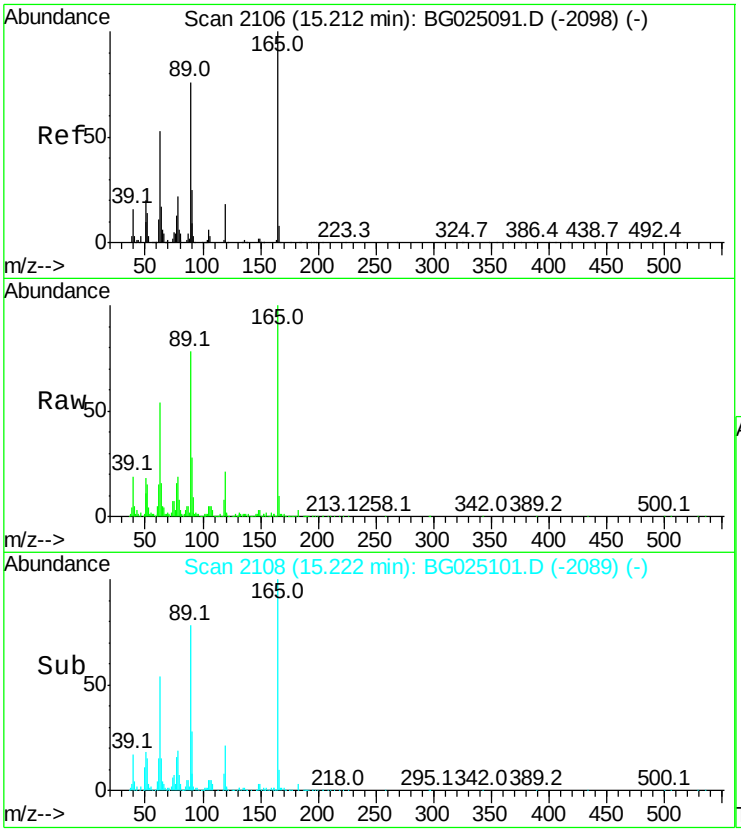


#53
Dibenzofuran
Concen: 4.00 ng/ul
RT: 15.25 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:168 Resp: 115699

Ion	Ratio	Lower	Upper
168	100		
139	39.4	33.8	50.8



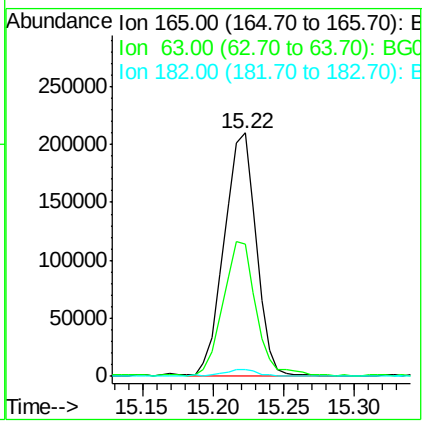


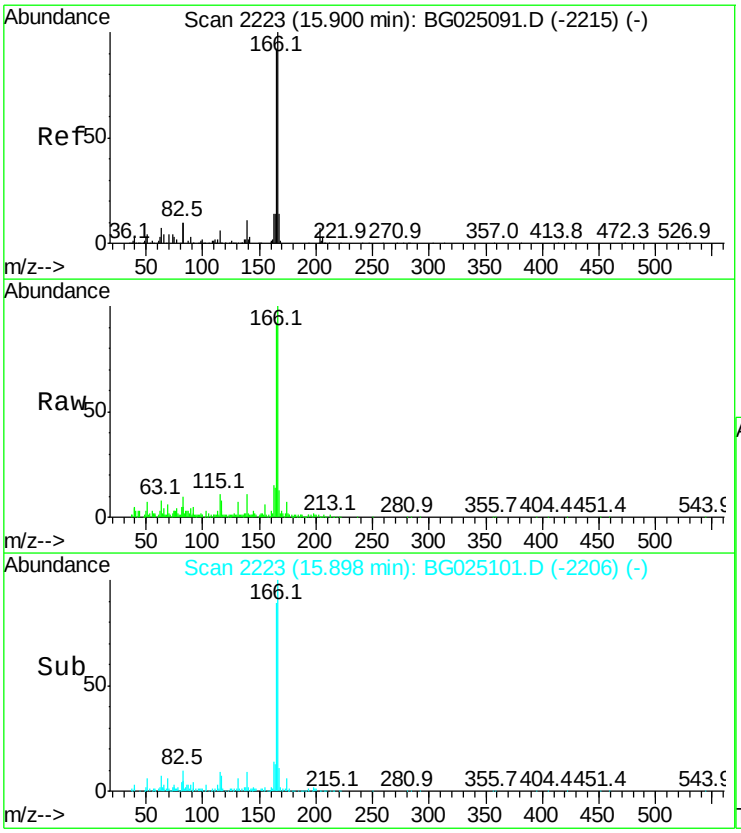
#54
2,4-Dinitrotoluene
Concen: 41.24 ng/ul
RT: 15.22 min Scan# 2108
Delta R.T. 0.01 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 329217

Ion	Ratio	Lower	Upper
165	100		
63	54.1	46.8	70.2
182	2.6	1.8	2.6

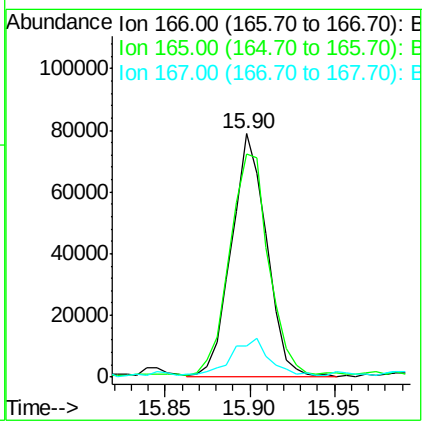


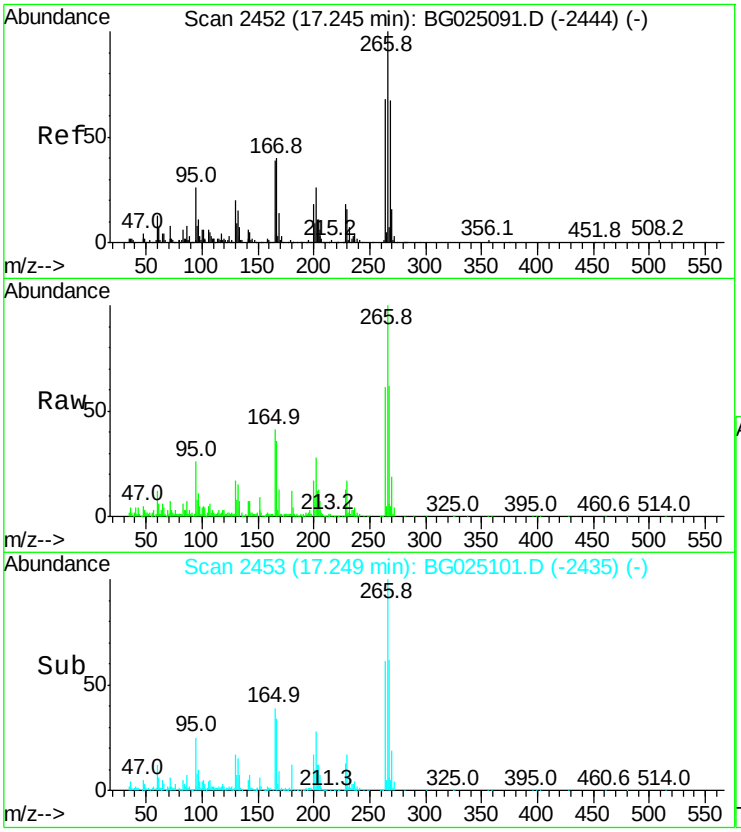


#58
Fluorene
Concen: 4.85 ng/ul
RT: 15.90 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:166 Resp: 114349

Ion	Ratio	Lower	Upper
166	100		
165	91.6	79.7	119.5
167	12.6	11.4	17.2



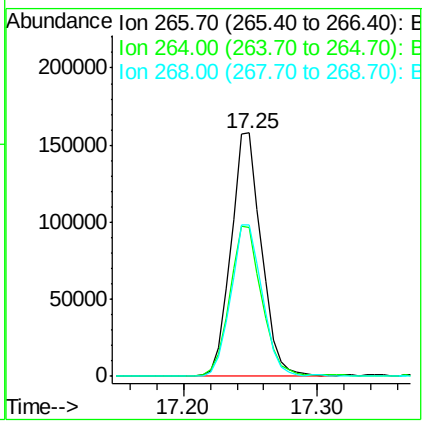


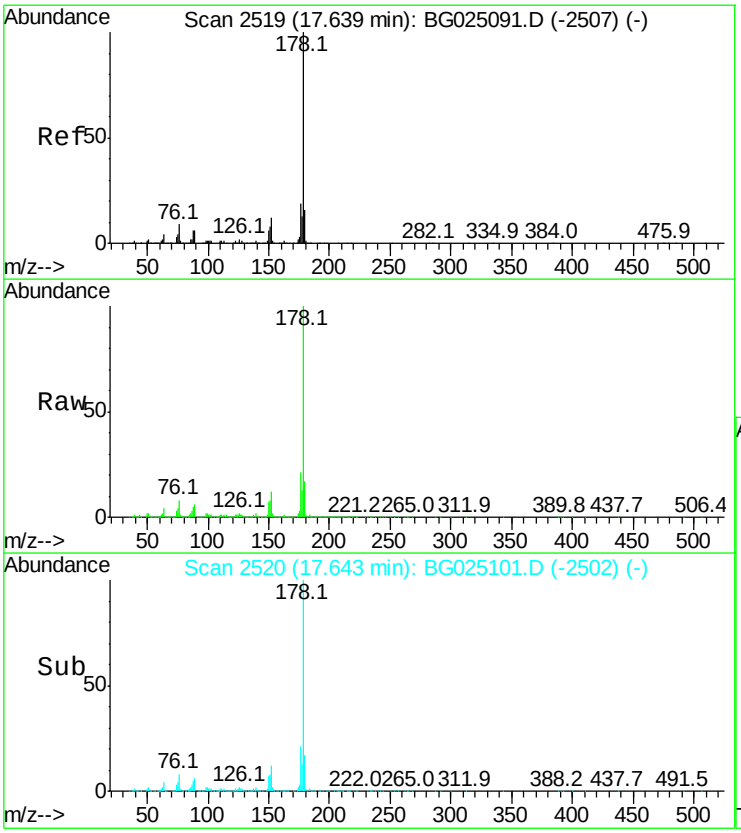
#68
Pentachlorophenol
Concen: 41.74 ng/ul
RT: 17.25 min Scan# 2453
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:266 Resp: 251375

Ion	Ratio	Lower	Upper
266	100		
264	61.1	47.1	70.7
268	62.1	56.2	84.4

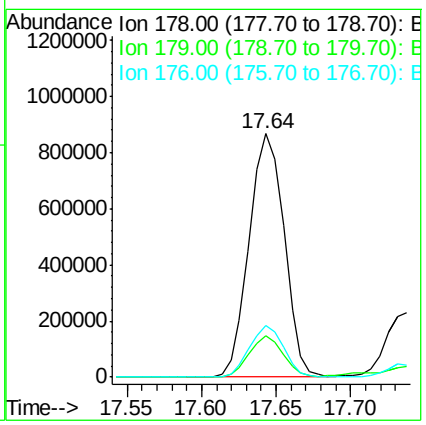


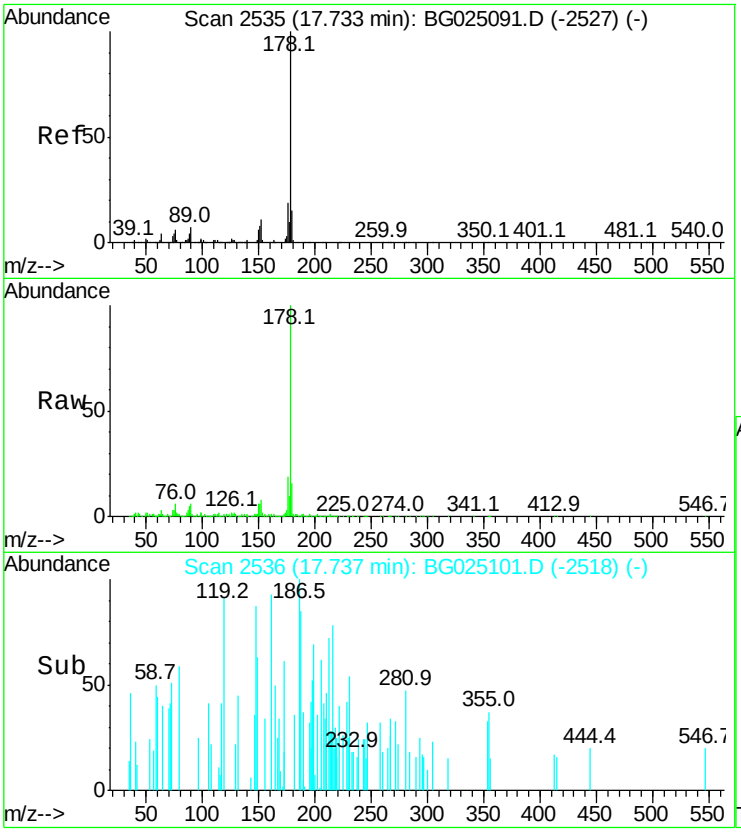


#69
Phenanthrene
Concen: 37.28 ng/ul
RT: 17.64 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:178 Resp: 1403408

Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.4	18.6
176	21.0	16.5	24.7



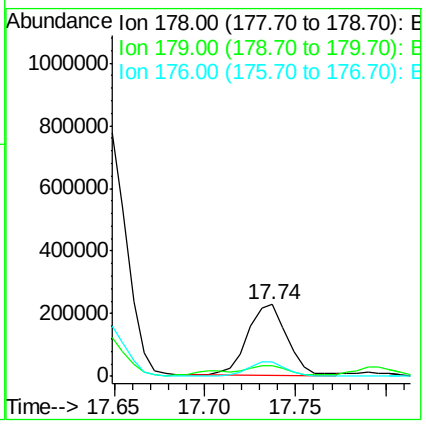


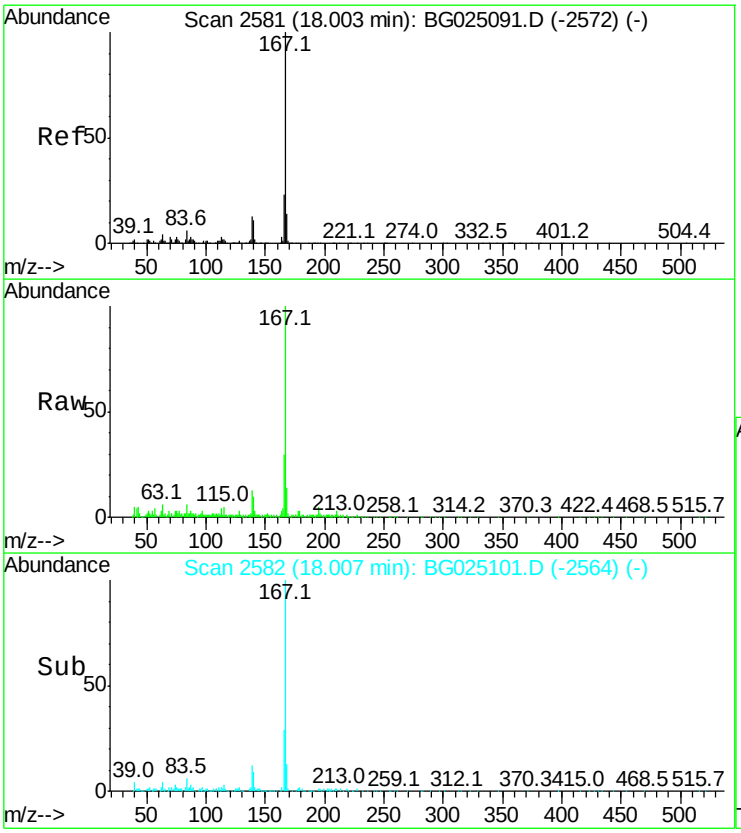
#71
Anthracene
Concen: 8.86 ng/ul
RT: 17.74 min Scan# 2536
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 342688

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.5	15.9	23.9

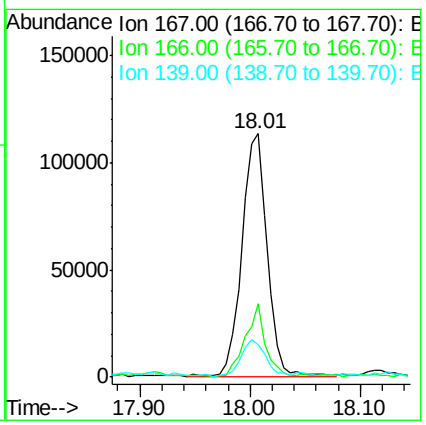


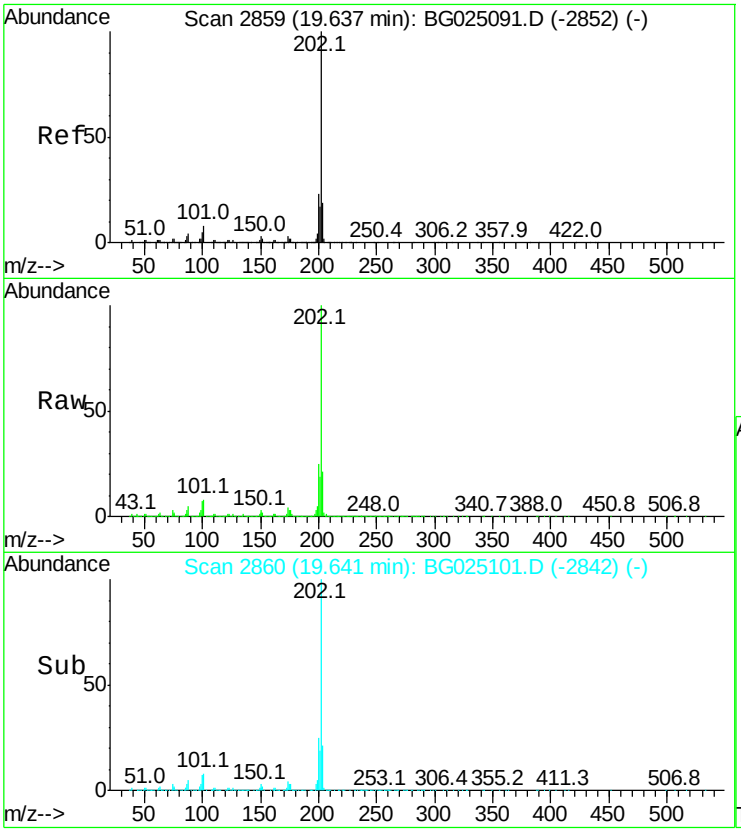


#72
Carbazole
Concen: 5.61 ng/ul
RT: 18.01 min Scan# 2582
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:167 Resp: 181234

Ion	Ratio	Lower	Upper
167	100		
166	30.0	17.9	26.9#
139	13.2	10.5	15.7



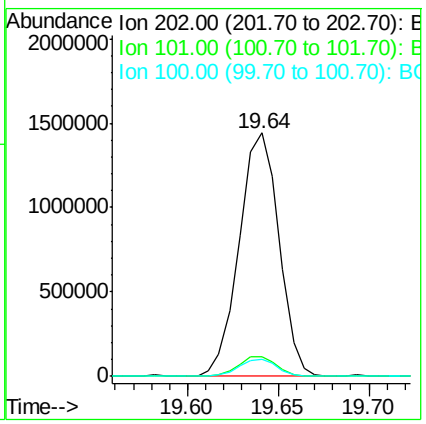


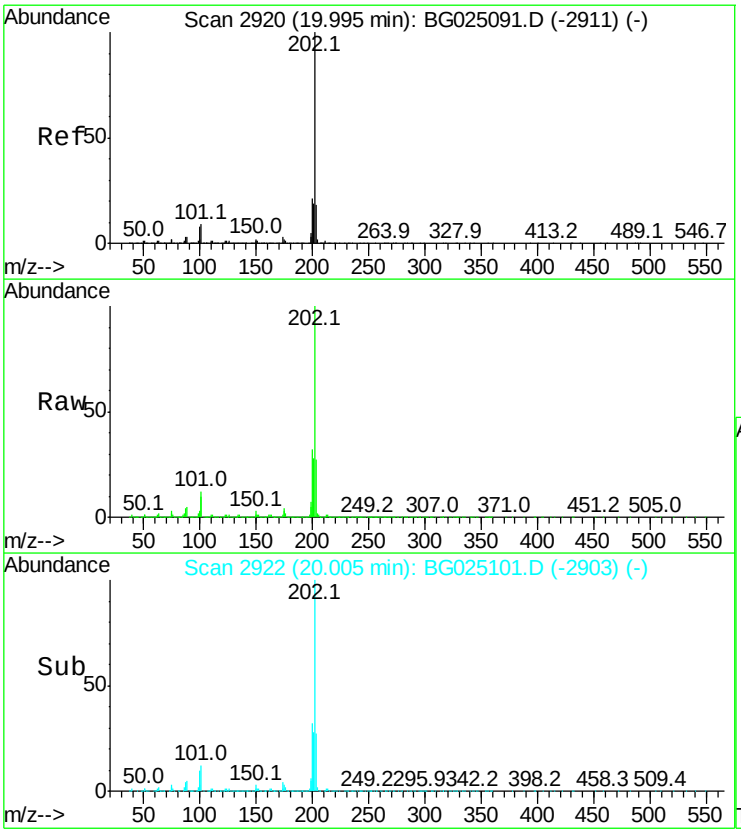
#74
Fluoranthene
Concen: 49.08 ng/ul
RT: 19.64 min Scan# 2860
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 2195280

Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.2	9.2
100	6.8	5.2	7.8

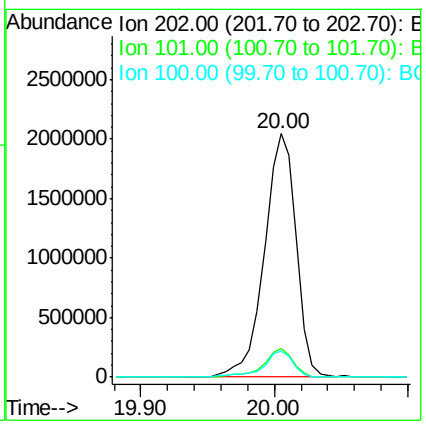


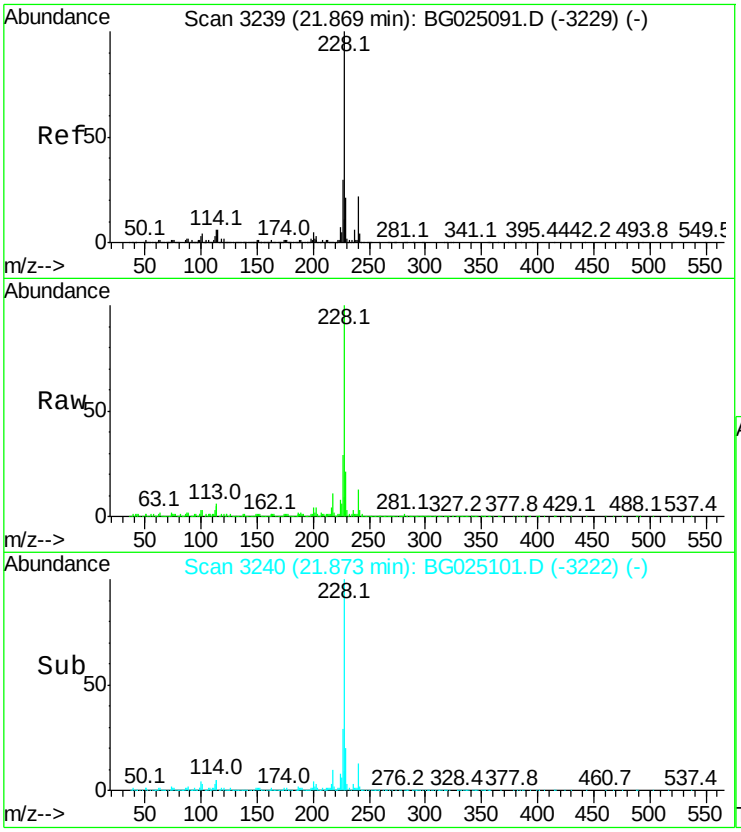


#77
Pyrene
Concen: 73.33 ng/ul
RT: 20.00 min Scan# 2922
Delta R.T. 0.01 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:202 Resp: 3355933

Ion	Ratio	Lower	Upper
202	100		
101	11.9	6.9	10.3#
100	10.5	6.6	10.0#



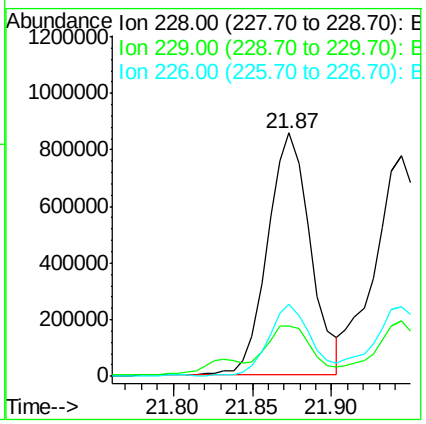


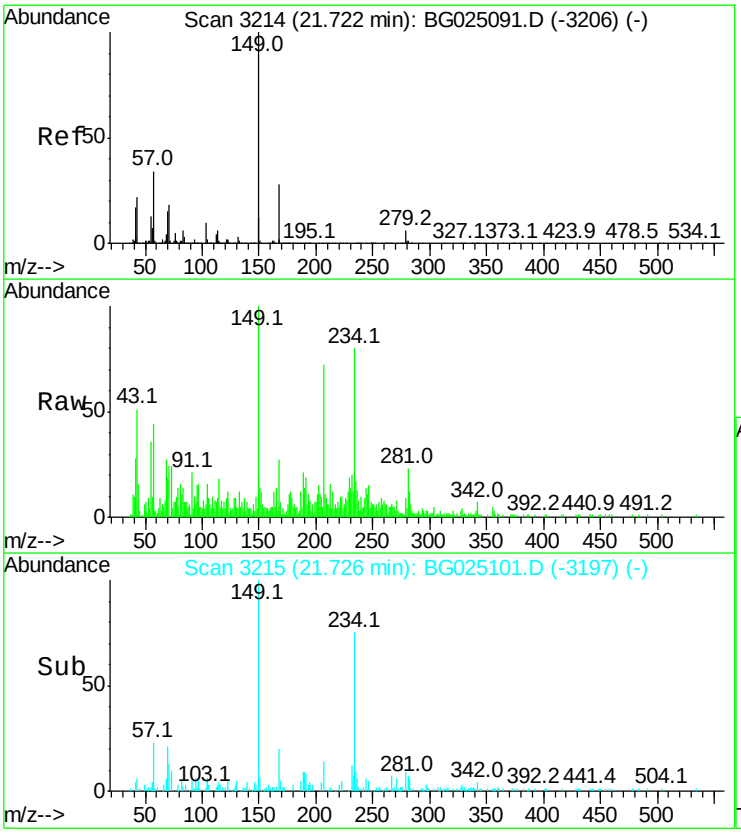
#80
Benzo(a)anthracene
Concen: 32.49 ng/ul
RT: 21.87 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 1607306

Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.3	24.5
226	29.4	21.9	32.9

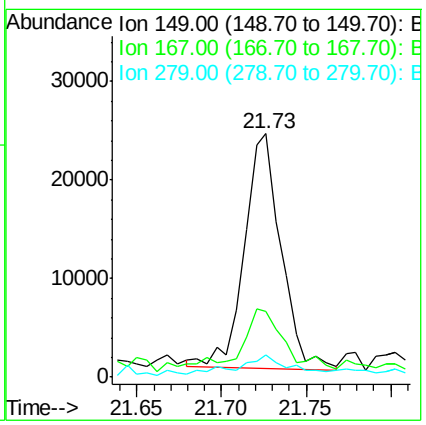


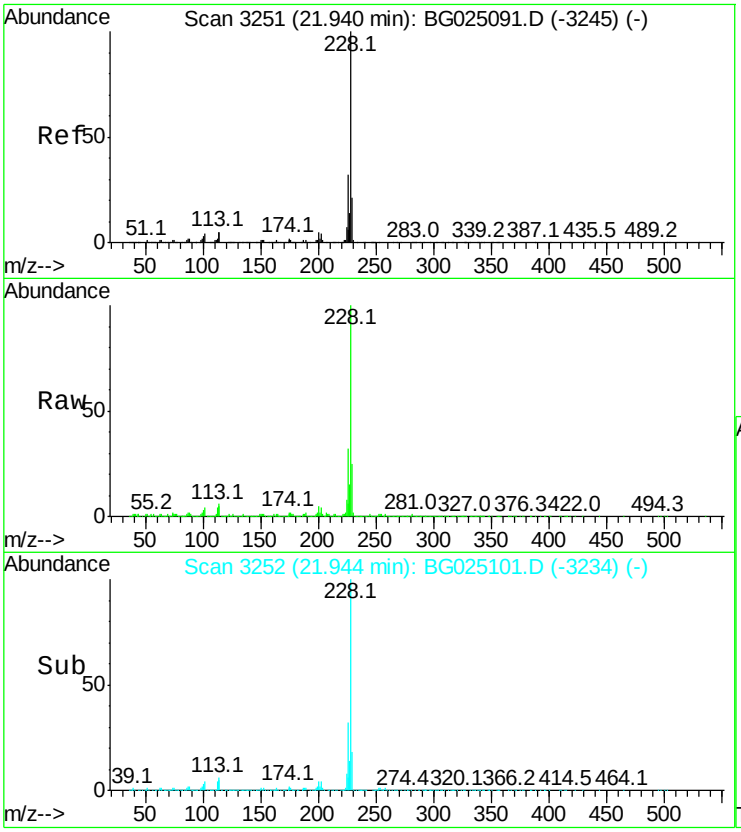


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.45 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:149 Resp: 35851

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	9.2	4.5	6.7#



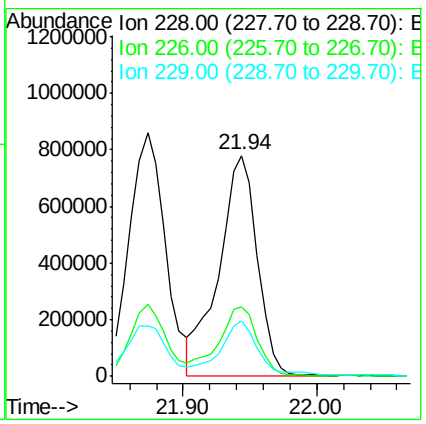


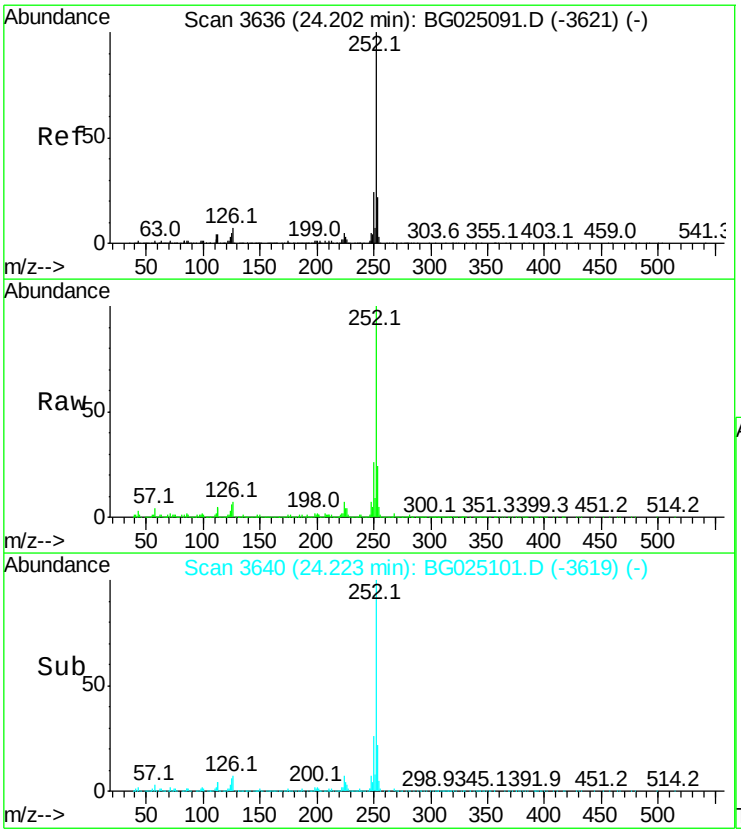
#82
Chrysene
Concen: 33.65 ng/ul
RT: 21.94 min Scan# 3252
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 1556953

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	25.0	16.9	25.3

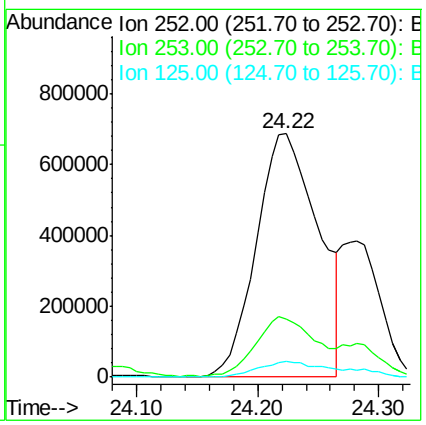


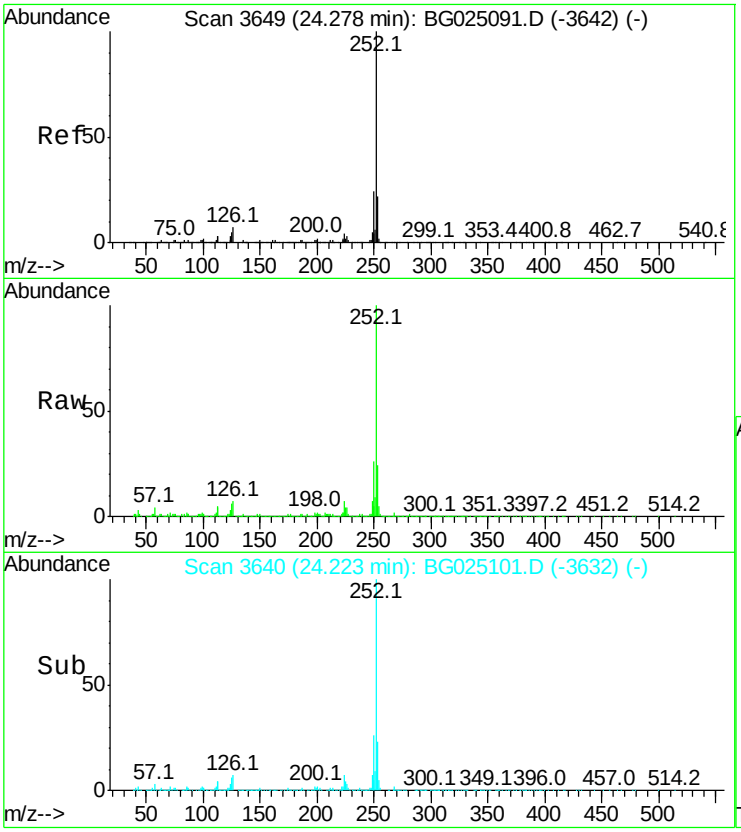


#85
Benzo(b)fluoranthene
Concen: 49.50 ng/ul
RT: 24.22 min Scan# 3640
Delta R.T. 0.02 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:252 Resp: 2431786

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	6.3	4.0	6.0#



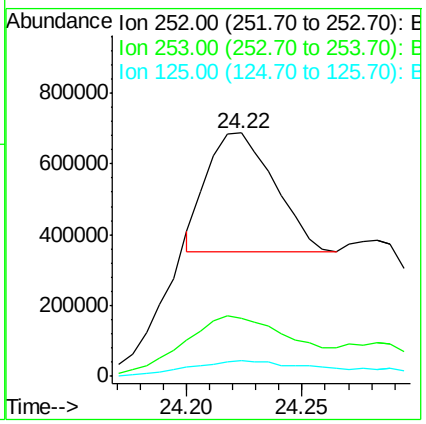


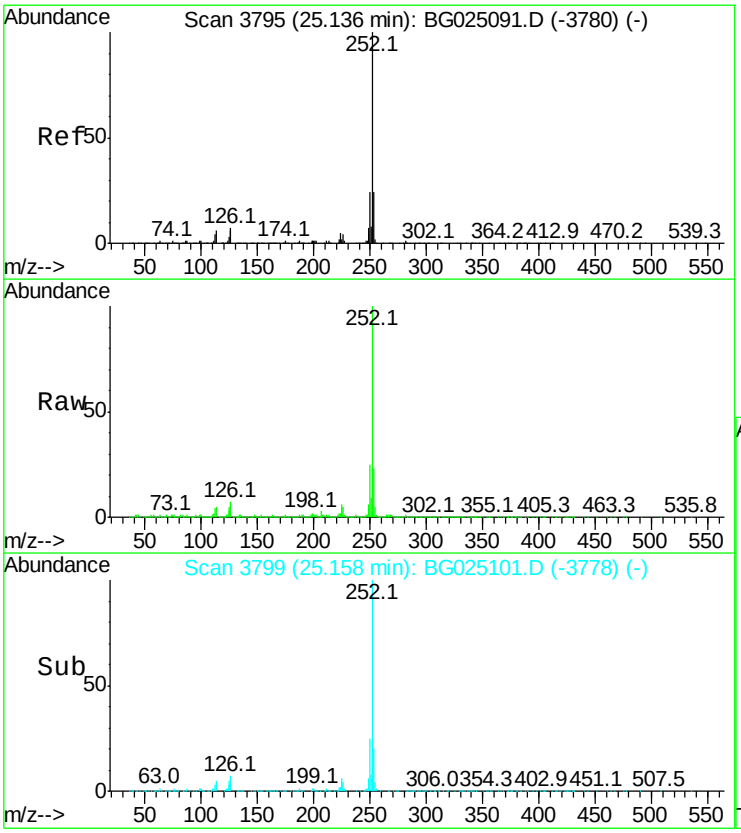
#86
Benzo(k)fluoranthene
Concen: 14.37 ng/ul
RT: 24.22 min Scan# 3640
Delta R.T. -0.05 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 670863

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	6.3	4.1	6.1#

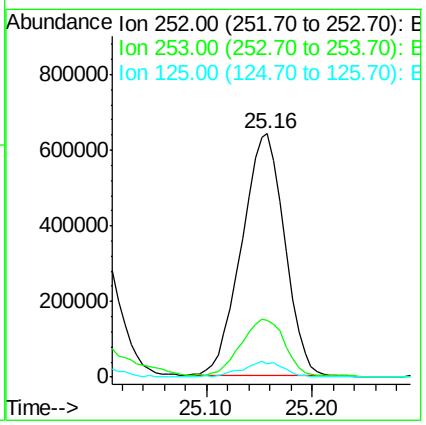


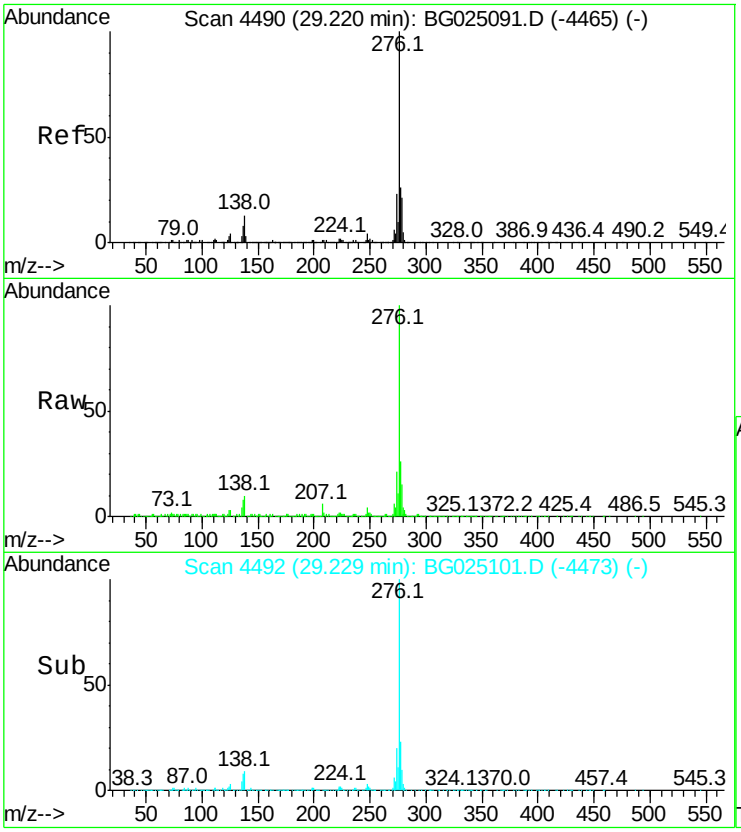


#88
Benzo(a)pyrene
Concen: 38.21 ng/ul
RT: 25.16 min Scan# 3799
Delta R.T. 0.02 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:252 Resp: 1804873

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	5.2	5.4	8.0#



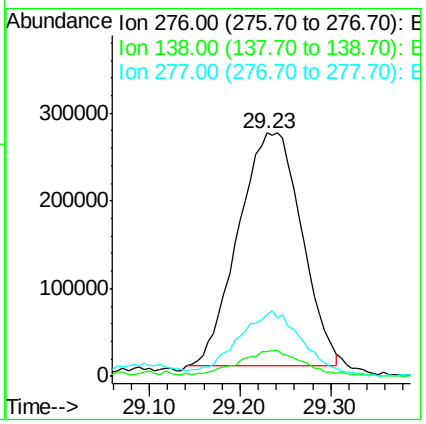


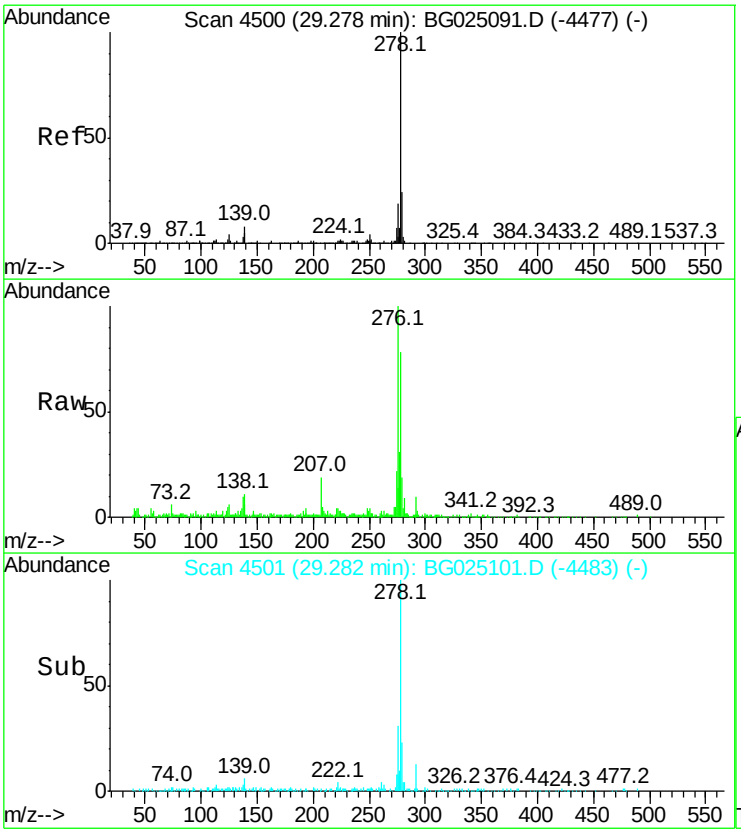
#89
Indeno(1,2,3-cd)pyrene
Concen: 21.99 ng/ul
RT: 29.23 min Scan# 4492
Delta R.T. 0.01 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:276 Resp: 1290713

Ion	Ratio	Lower	Upper
276	100		
138	9.9	8.2	12.4
277	25.5	18.6	28.0

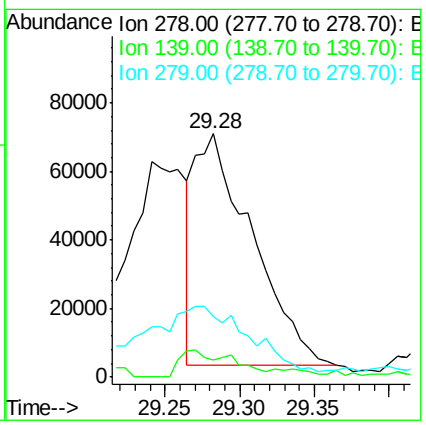


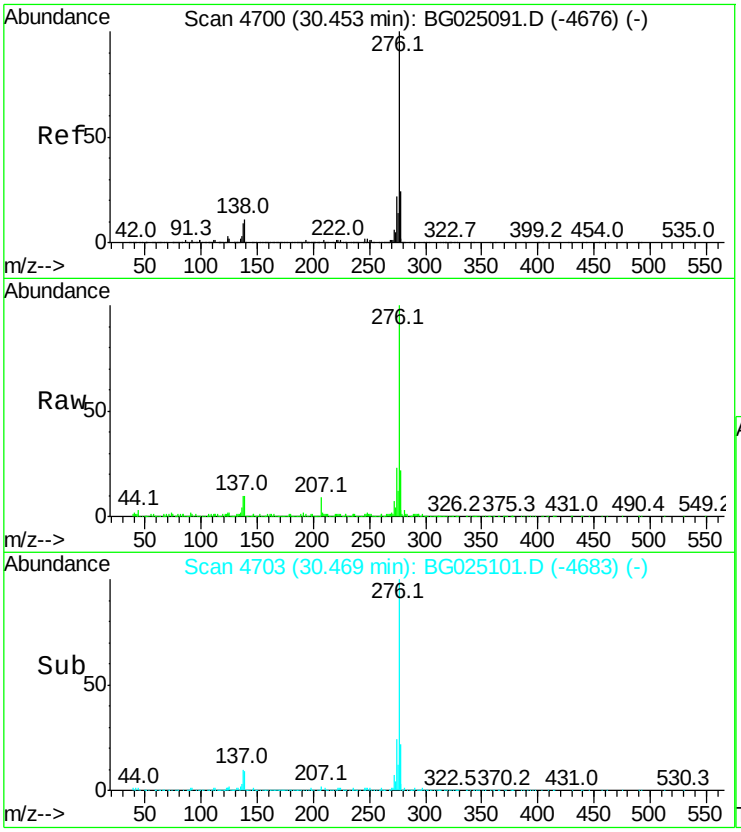


#90
Dibenzo(a,h)anthracene
Concen: 3.63 ng/ul
RT: 29.28 min Scan# 4501
Delta R.T. 0.00 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Tgt Ion:278 Resp: 179484

Ion	Ratio	Lower	Upper
278	100		
139	7.2	6.7	10.1
279	24.8	20.9	31.3





#91
Benzo(g,h,i)perylene
Concen: 21.47 ng/ul
RT: 30.47 min Scan# 4703
Delta R.T. 0.02 min
Lab File: BG025101.D
Acq: 11 Dec 2016 12:55

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:276 Resp: 1051810

Ion	Ratio	Lower	Upper
276	100		
138	9.7	8.6	12.8
277	21.9	17.6	26.4