Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019660.D
Acq On : 17 Nov 2015 13:33
Operator : UM/NP
Sample : G4309-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9KK3

Quant Time: Nov 18 00:44:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 00:33:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	22994	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	93959	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	76508	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	219569	20.00	ng/ul	0.00
78) Chrysene-d12	21.79	240	278932	20.00	ng/ul	0.00
86) Perylene-d12	25.11	264	266688	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	1930	3.58	ng/uL	0.00
5) Phenol-d5	7.29	99	48066	20.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	33269	21.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	29924	19.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	40000	20.51	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	17116	22.19	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	19606	22.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	38863	20.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	45182	25.35	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	194005	28.04	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	198469	26.46	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	33523	30.75	ng/ul	0.00
58) Fluorene-d10	15.77	176	179075	28.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	36173	25.50	ng/ul	0.00
71) Anthracene-d10	17.63	188	335364	31.46	ng/ul	0.00
79) Pyrene-d10	19.90	212	409505	32.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	453368	32.56	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	7.27	77	51027	29.73	ng/ul	100
10) 2-Chlorophenol	7.71	128	3502	2.37	ng/ul#	84
23) 2-Nitrophenol	10.08	139	25710	27.36	ng/ul	99
28) Naphthalene	11.03	128	27007	5.32	ng/ul	98
31) Hexachlorobutadiene	11.30	225	21316	13.25	ng/ul	97
33) 4-Chloro-3-methylphenol	12.24	107	19680	7.90	ng/ul	98
35) 1-Methylnaphthalene	12.84	142	41821	10.37	ng/ul	95
37) 1,2,4,5-Tetrachlorobenzene	12.98	216	16929	5.52	ng/ul	97
39) 2,4,6-Trichlorophenol	13.23	196	22499	12.03	ng/ul	98
41) 1,1'-Biphenyl	13.62	154	102974	18.10	ng/ul	99
45) Dimethylphthalate	14.23	163	239400	34.89	ng/ul	100
46) 2,6-Dinitrotoluene	14.35	165	18402	13.41	ng/ul	96
53) 4-Nitrophenol	14.99	109	50586	38.07	ng/ul	99
54) Dibenzofuran	15.18	168	61925	8.24	ng/ul	95
64) 4,6-Dinitro-2-methylphenol	15.90	198	26630	17.68	ng/ul#	92
67) Hexachlorobenzene	16.83	284	20020	7.19	ng/ul	94
69) Pentachlorophenol	17.17	266	29780	19.11	ng/ul	92
70) Phenanthrene	17.57	178	258642	22.01	ng/ul	99
72) Anthracene	17.66	178	110400	9.32	ng/ul	99
76) Di-n-butylphthalate	18.47	149	179330	14.53	ng/ul	99
77) Fluoranthene	19.57	202	297841	19.89	ng/ul	99
80) Pyrene	19.92	202	312269	19.17	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.66	149	159773	20.33	ng/ul	100

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019660.D
Acq On : 17 Nov 2015 13:33
Operator : UM/NP
Sample : G4309-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9KK3

Quant Time: Nov 18 00:44:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 00:33:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Chrysene	21.84	228	264961	16.65	ng/ul	96
91) Benzo(a)pyrene	24.96	252	224218	14.17	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.91	276	292236	16.51	ng/ul#	93
93) Dibenzo(a,h)anthracene	28.98	278	152073	10.45	ng/ul#	98

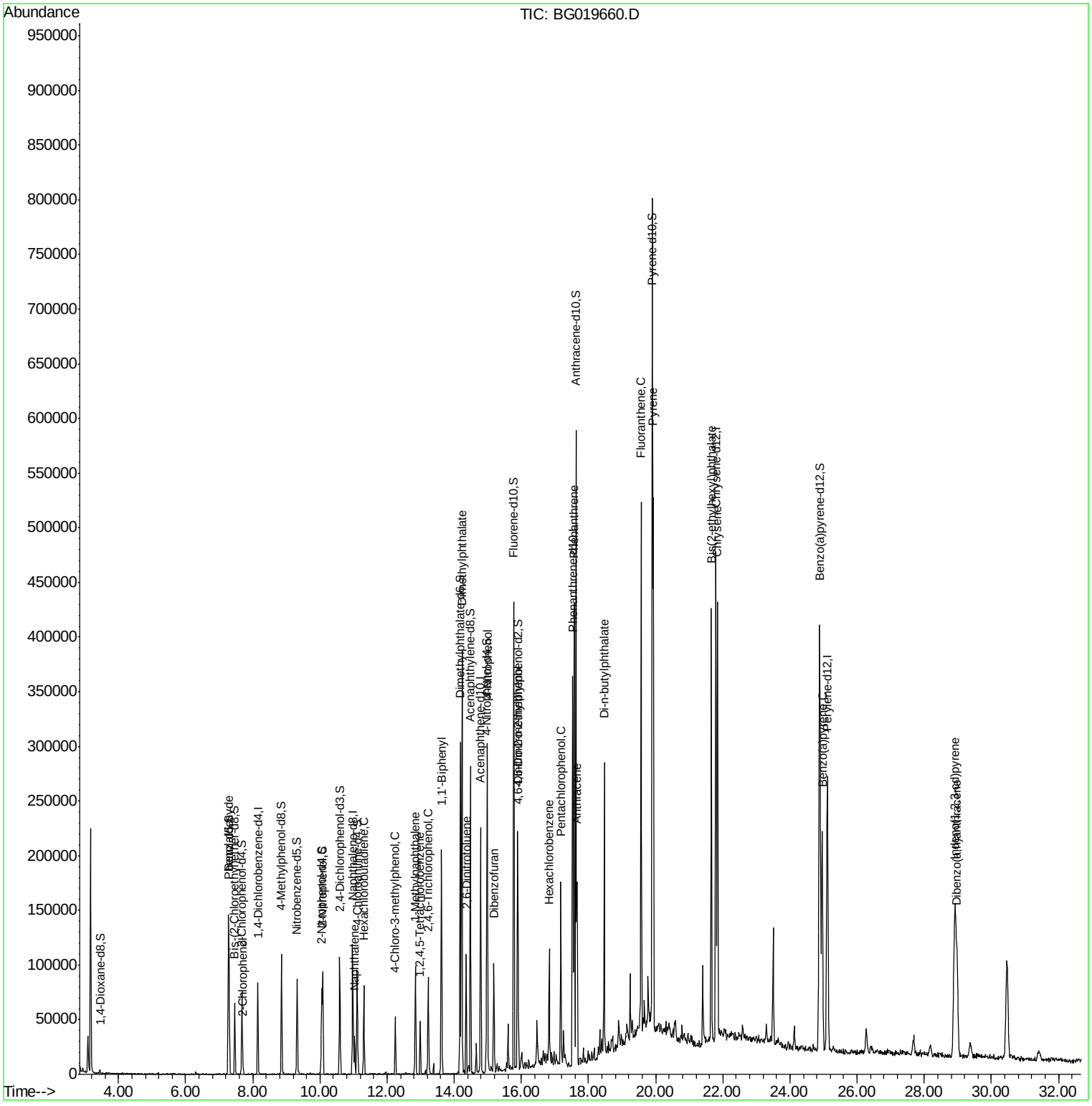
(#) = qualifier out of range (m) = manual integration (+) = signals summed

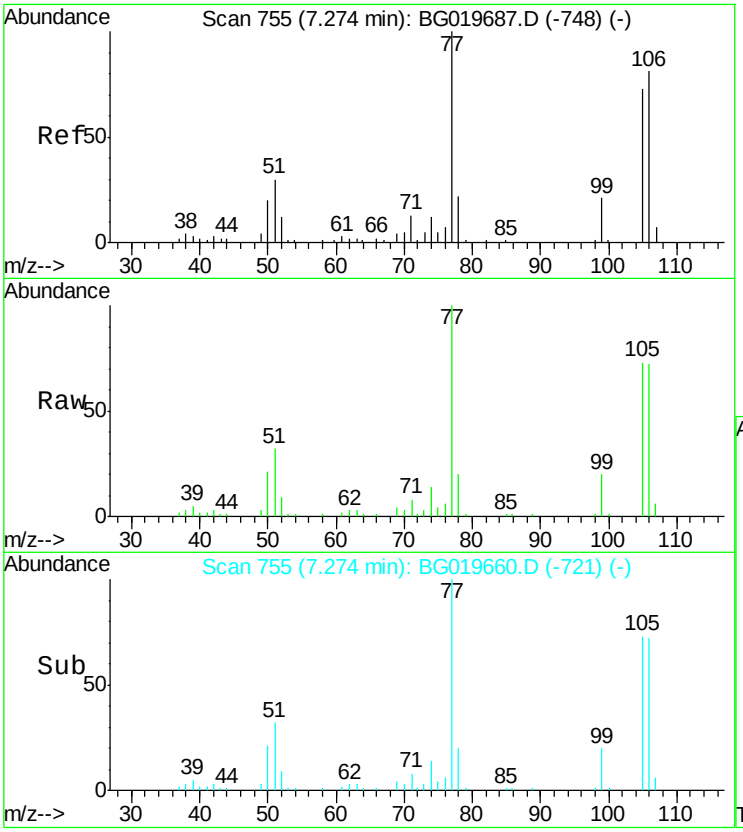
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019660.D
Acq On : 17 Nov 2015 13:33
Operator : UM/NP
Sample : G4309-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9KK3

Quant Time: Nov 18 00:44:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 00:33:53 2015
Response via : Initial Calibration



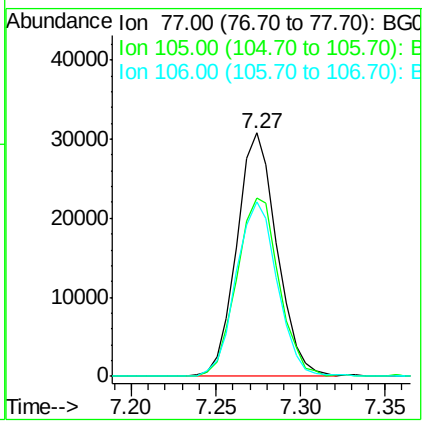


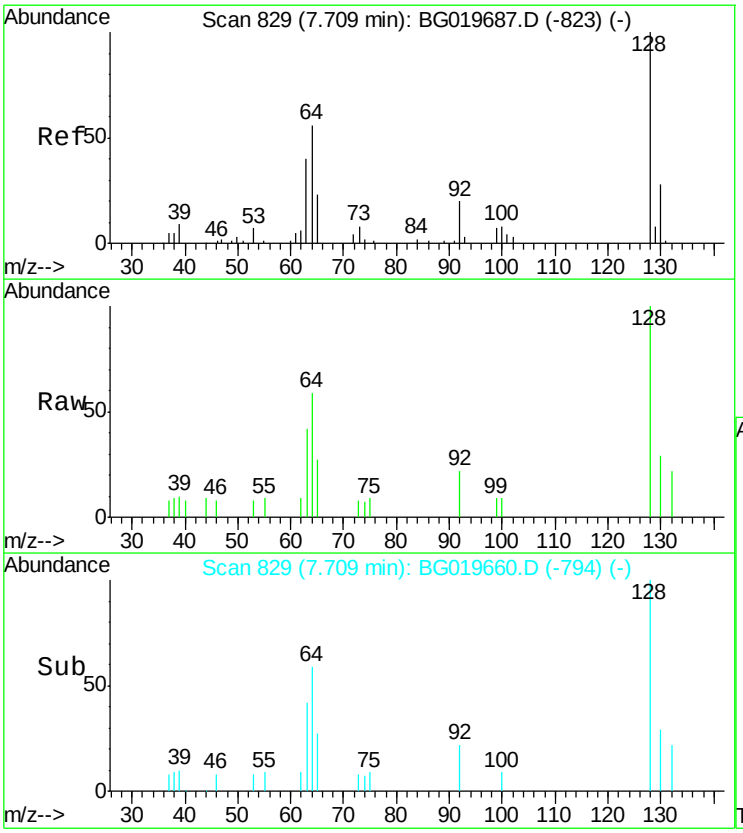
#4
Benzaldehyde
Concen: 29.73 ng/ul
RT: 7.27 min Scan# 755
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion: 77 Resp: 51027

Ion	Ratio	Lower	Upper
77	100		
105	73.0	58.6	88.0
106	71.7	57.7	86.5

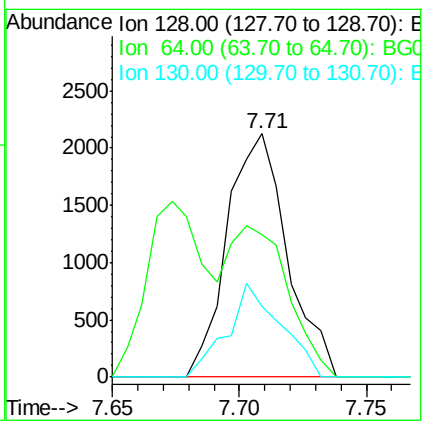


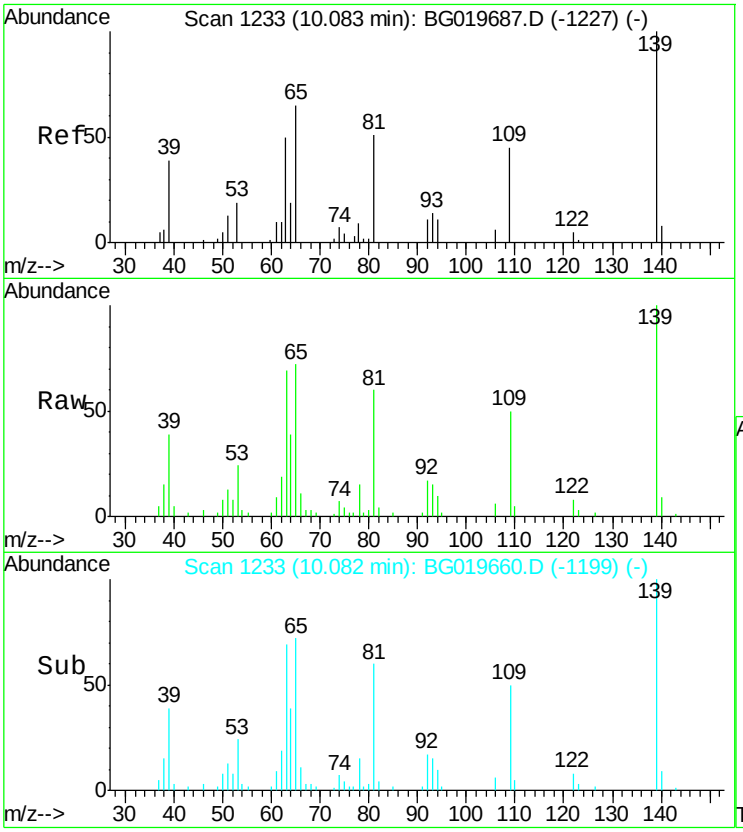


#10
2-Chlorophenol
Concen: 2.37 ng/ul
RT: 7.71 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:128 Resp: 3502

Ion	Ratio	Lower	Upper
128	100		
64	58.5	59.4	89.0#
130	28.9	28.9	43.3#



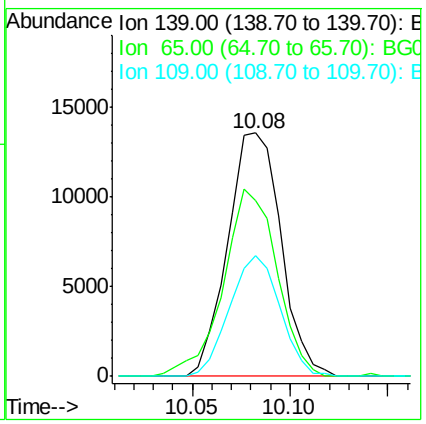


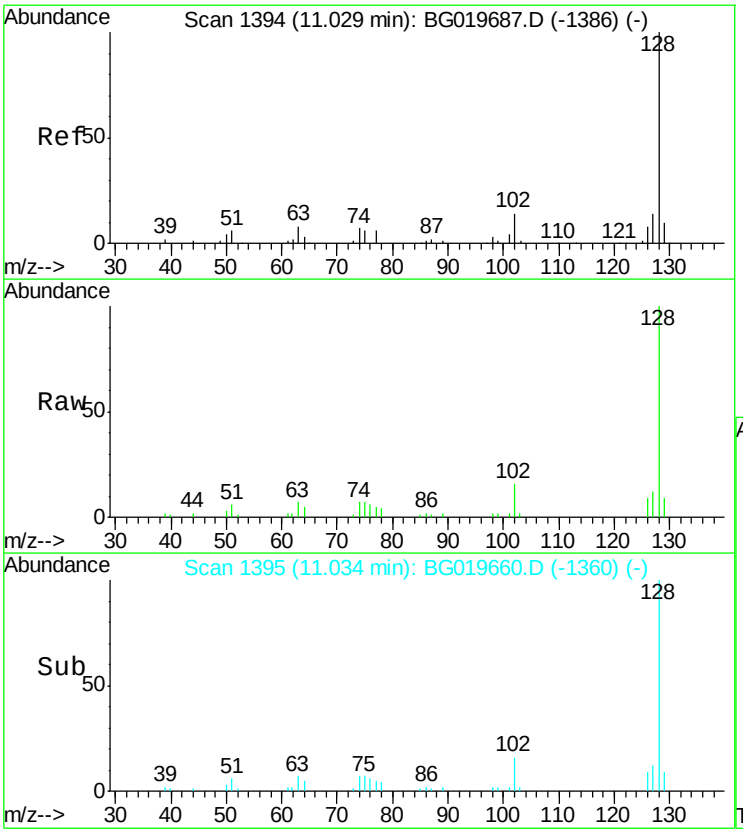
#23
2-Nitrophenol
Concen: 27.36 ng/ul
RT: 10.08 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:139 Resp: 25710

Ion	Ratio	Lower	Upper
139	100		
65	72.2	58.2	87.2
109	49.5	40.5	60.7

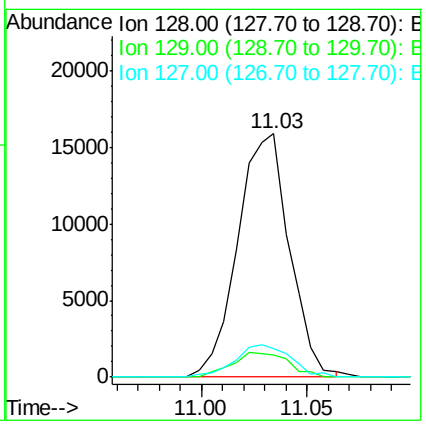


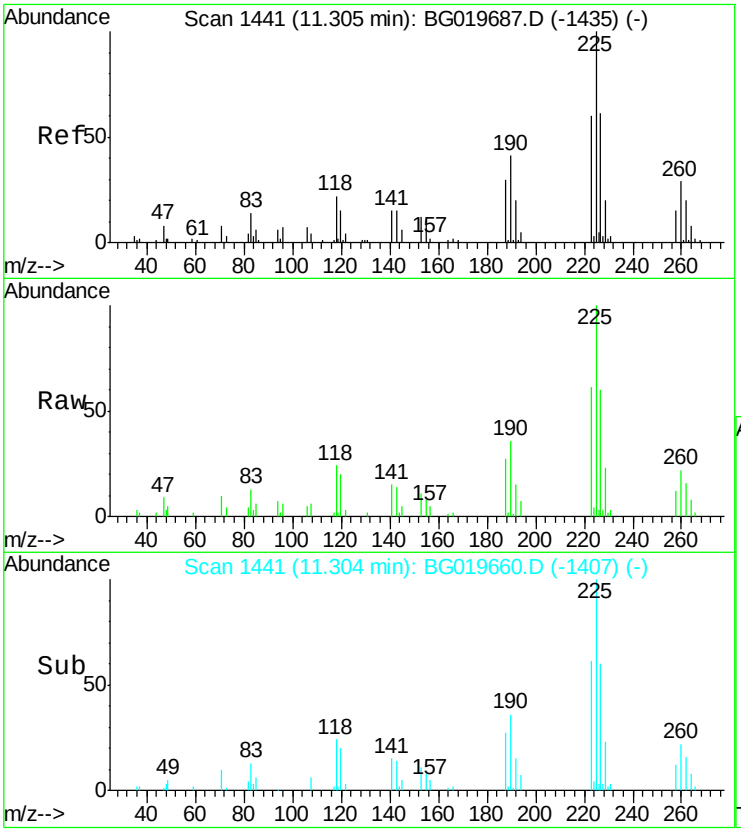


#28
Naphthalene
Concen: 5.32 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:128 Resp: 27007

Ion	Ratio	Lower	Upper
128	100		
129	9.0	8.1	12.1
127	11.9	10.0	15.0



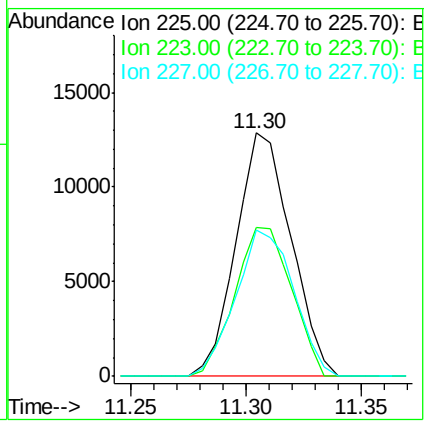


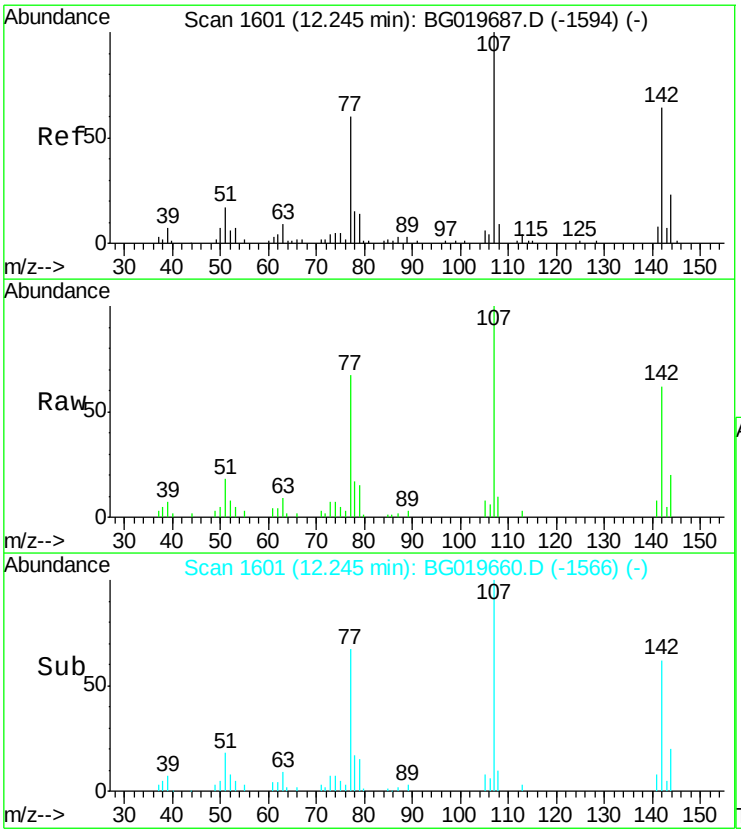
#31
Hexachlorobutadiene
Concen: 13.25 ng/ul
RT: 11.30 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:225 Resp: 21316

Ion	Ratio	Lower	Upper
225	100		
223	61.2	52.4	78.6
227	63.1	51.0	76.6

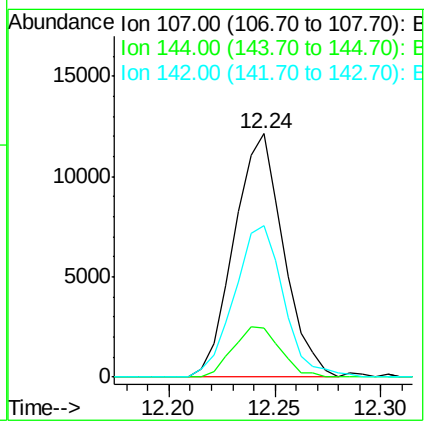


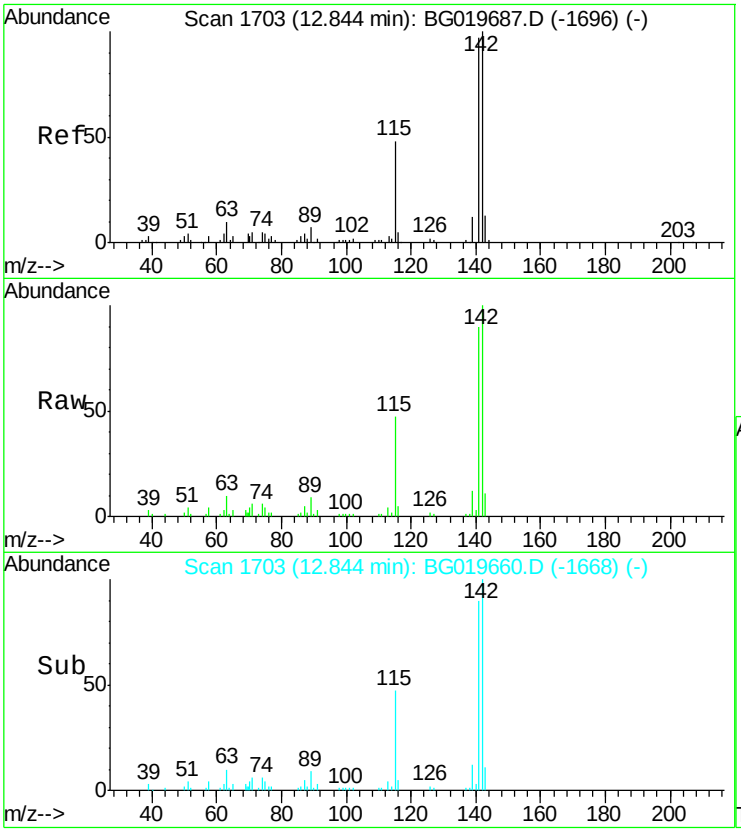


#33
4-Chloro-3-methylphenol
Concen: 7.90 ng/ul
RT: 12.24 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:107 Resp: 19680

Ion	Ratio	Lower	Upper
107	100		
144	20.2	18.2	27.2
142	62.4	50.1	75.1



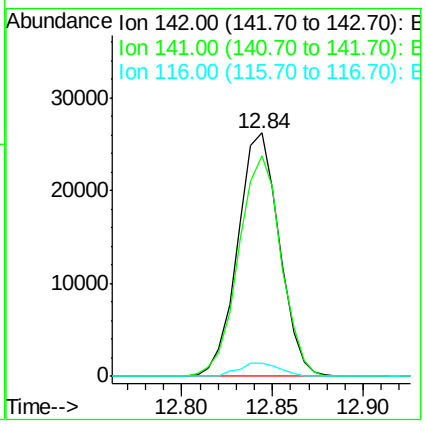


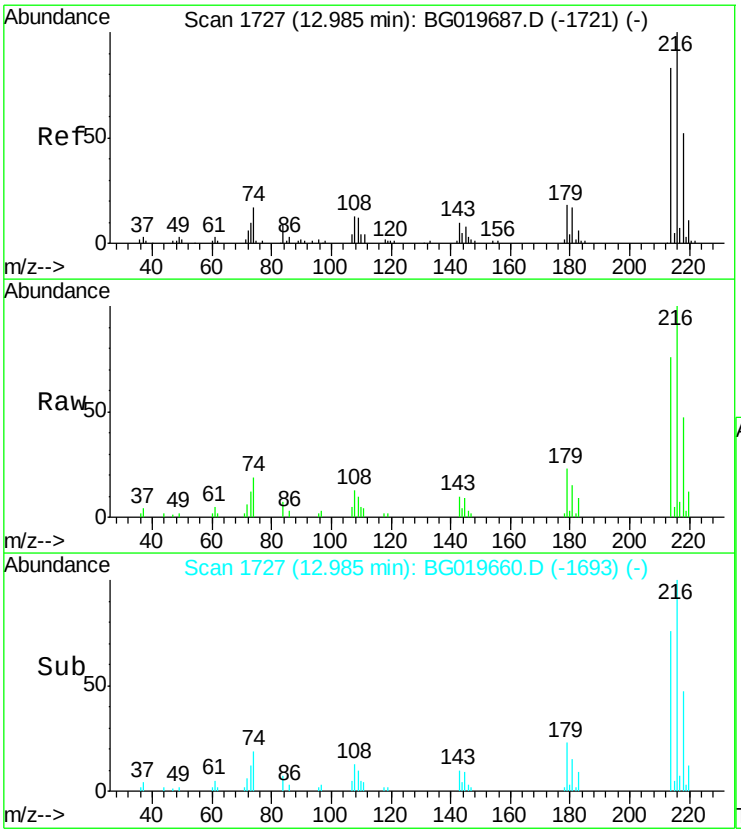
#35
1-Methylnaphthalene
Concen: 10.37 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:142 Resp: 41821

Ion	Ratio	Lower	Upper
142	100		
141	90.4	76.6	114.8
116	5.3	4.1	6.1

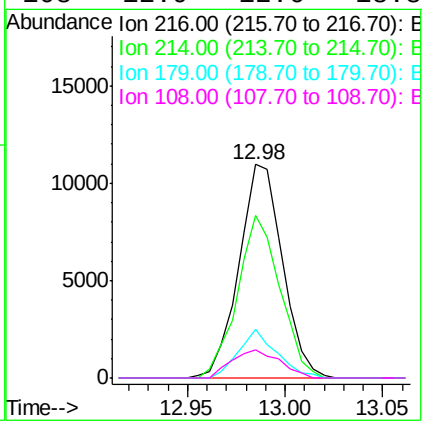


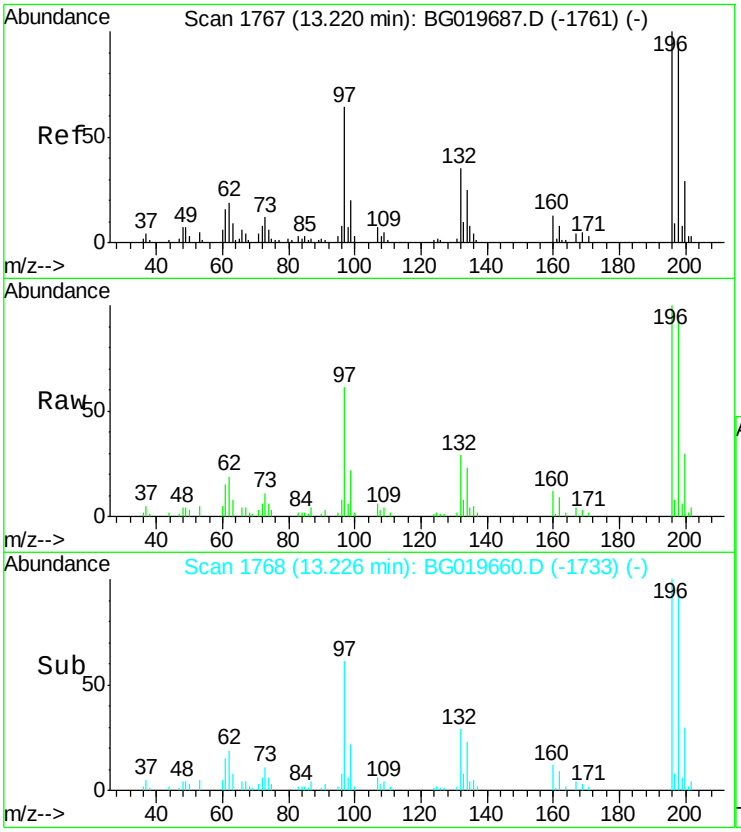


#37
1,2,4,5-Tetrachlorobenzene
Concen: 5.52 ng/ul
RT: 12.98 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:216 Resp: 16929

Ion	Ratio	Lower	Upper
216	100		
214	76.3	62.9	94.3
179	22.9	16.9	25.3
108	12.9	12.6	18.8



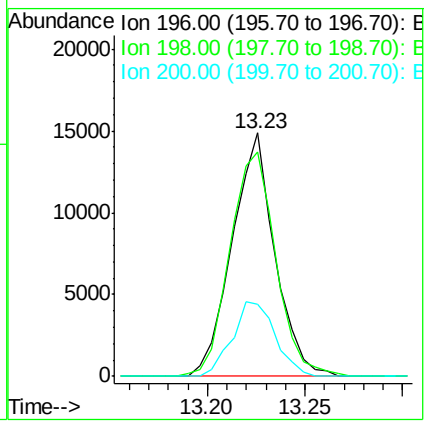


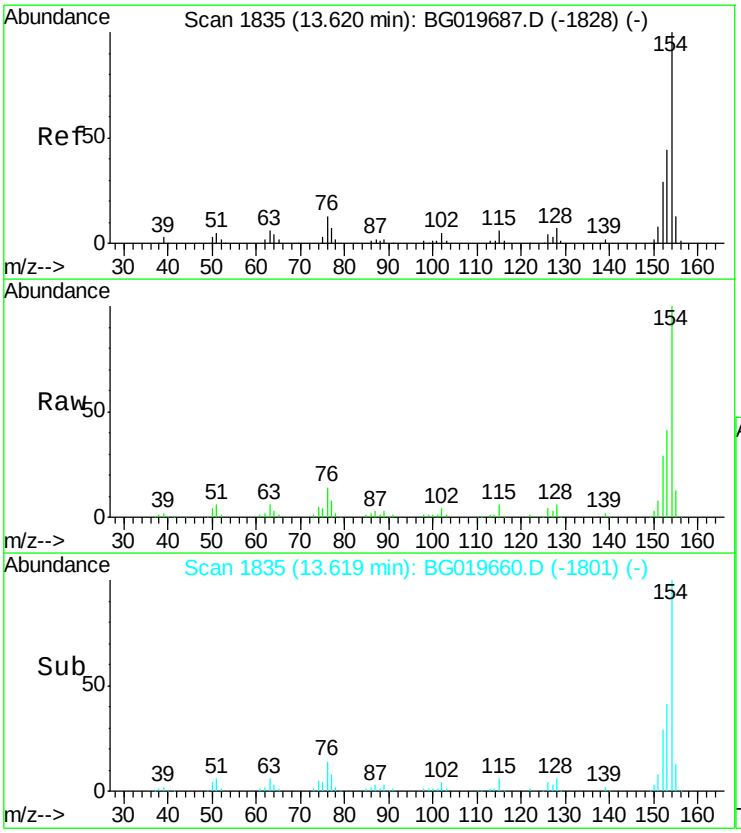
#39
2,4,6-Trichlorophenol
Concen: 12.03 ng/ul
RT: 13.23 min Scan# 1768
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:196 Resp: 22499

Ion	Ratio	Lower	Upper
196	100		
198	92.0	73.3	109.9
200	29.7	26.1	39.1

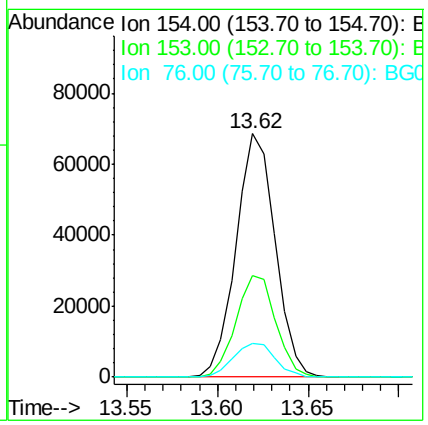


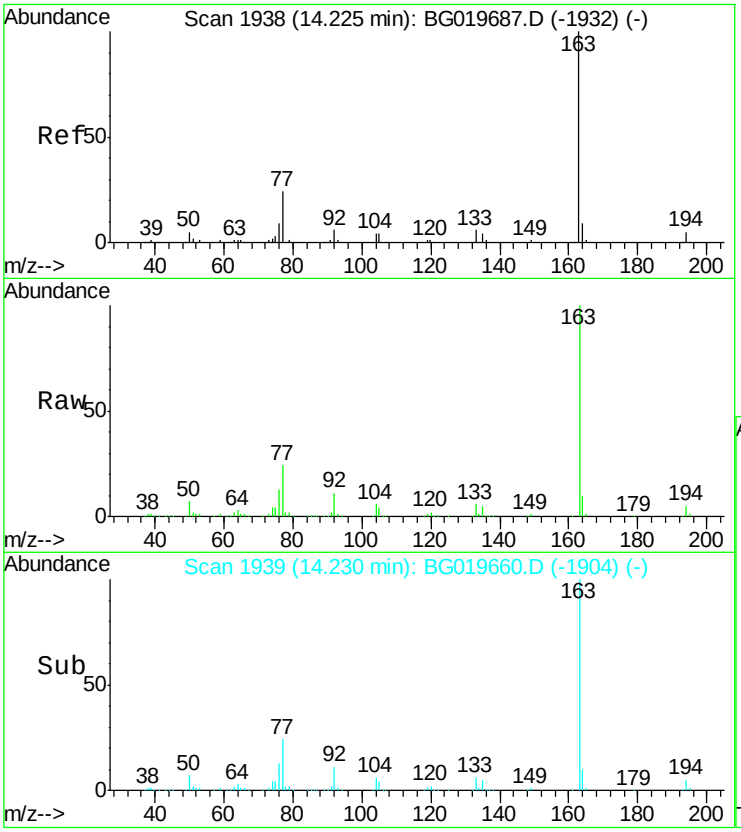


#41
1,1'-Biphenyl
Concen: 18.10 ng/ul
RT: 13.62 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:154 Resp: 102974

Ion	Ratio	Lower	Upper
154	100		
153	41.5	33.4	50.0
76	13.8	12.1	18.1



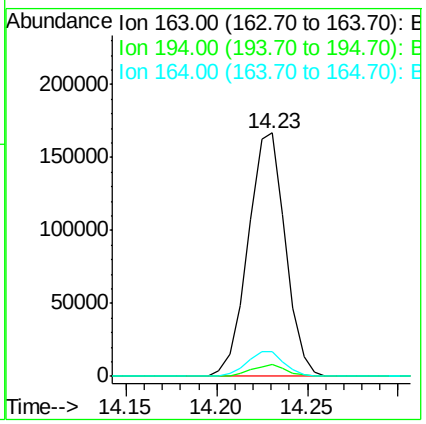


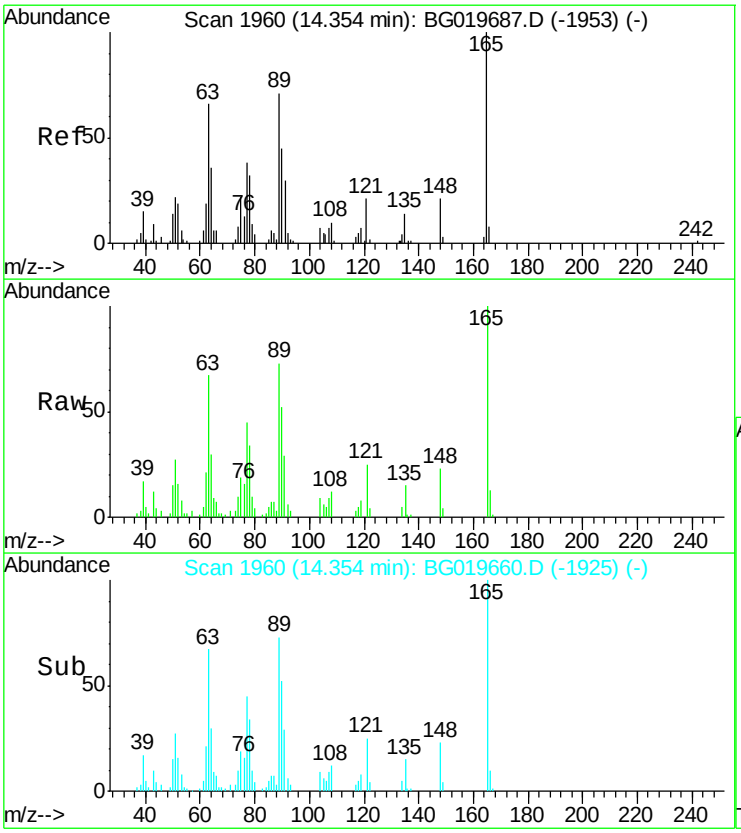
#45
Dimethylphthalate
Concen: 34.89 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:163 Resp: 239400

Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	10.4	8.3	12.5

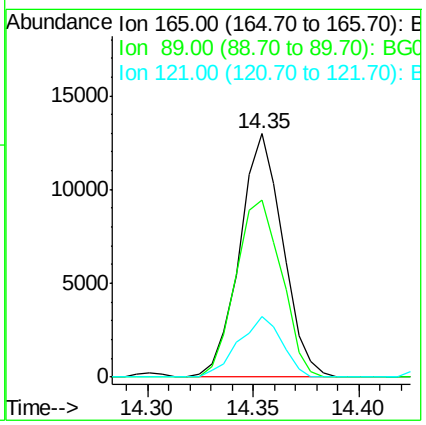


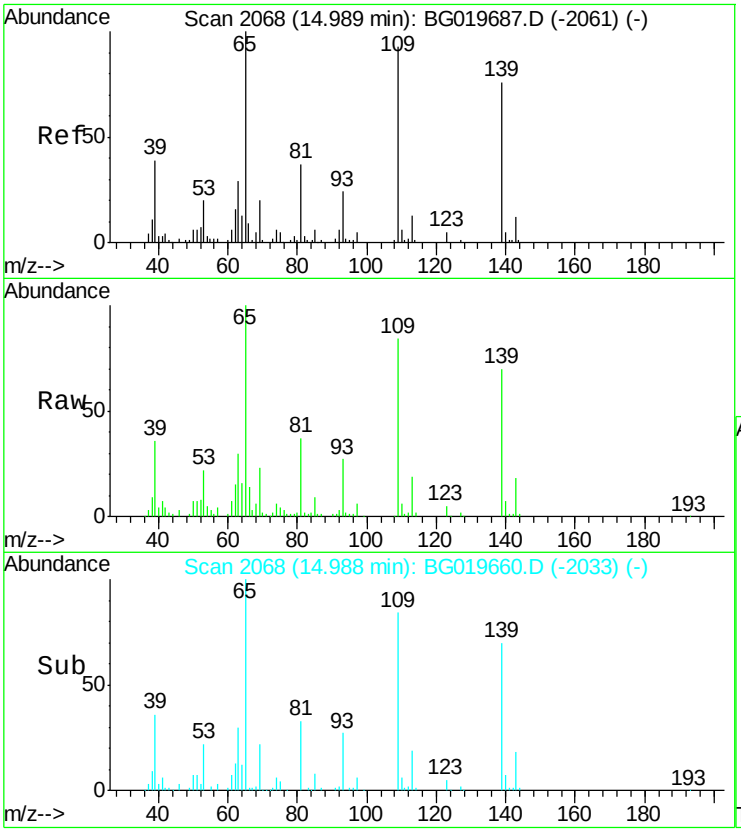


#46
2,6-Dinitrotoluene
Concen: 13.41 ng/ul
RT: 14.35 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:165 Resp: 18402

Ion	Ratio	Lower	Upper
165	100		
89	72.9	61.1	91.7
121	25.0	17.8	26.8



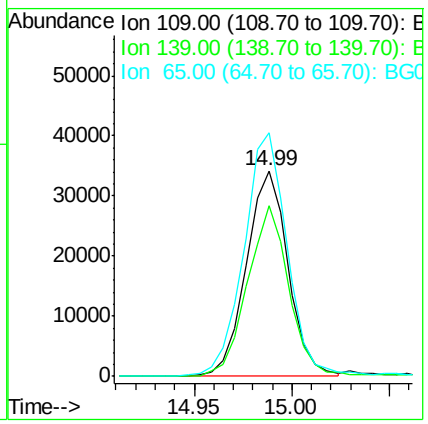


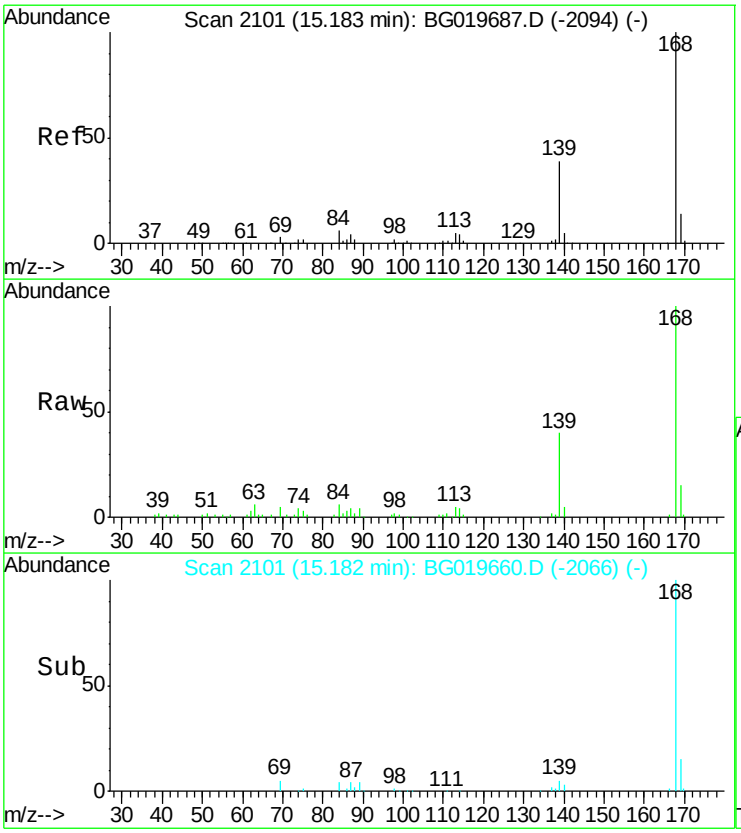
#53
4-Nitrophenol
Concen: 38.07 ng/ul
RT: 14.99 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:109 Resp: 50586

Ion	Ratio	Lower	Upper
109	100		
139	82.9	67.8	101.6
65	118.6	94.5	141.7

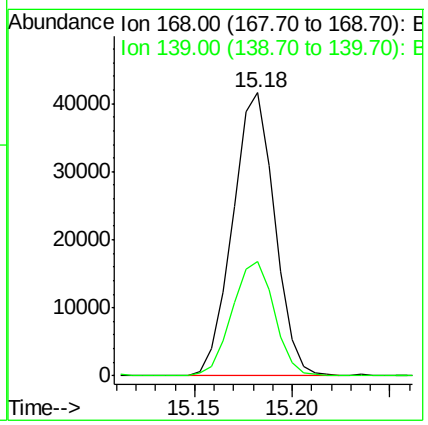


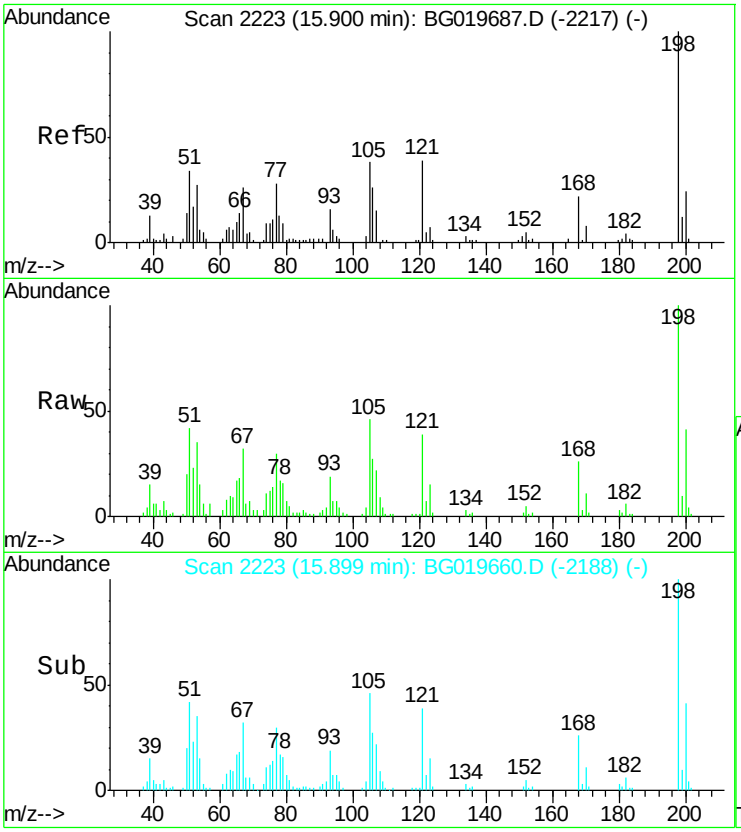


#54
Dibenzofuran
Concen: 8.24 ng/ul
RT: 15.18 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:168 Resp: 61925

Ion	Ratio	Lower	Upper
168	100		
139	40.3	34.7	52.1



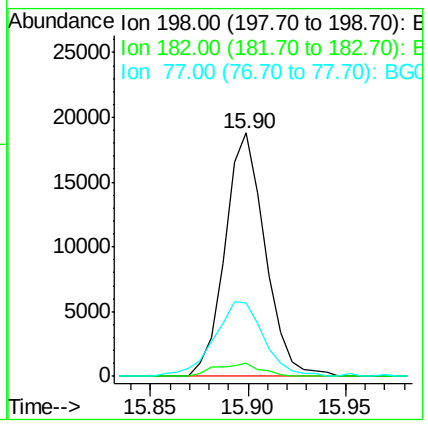


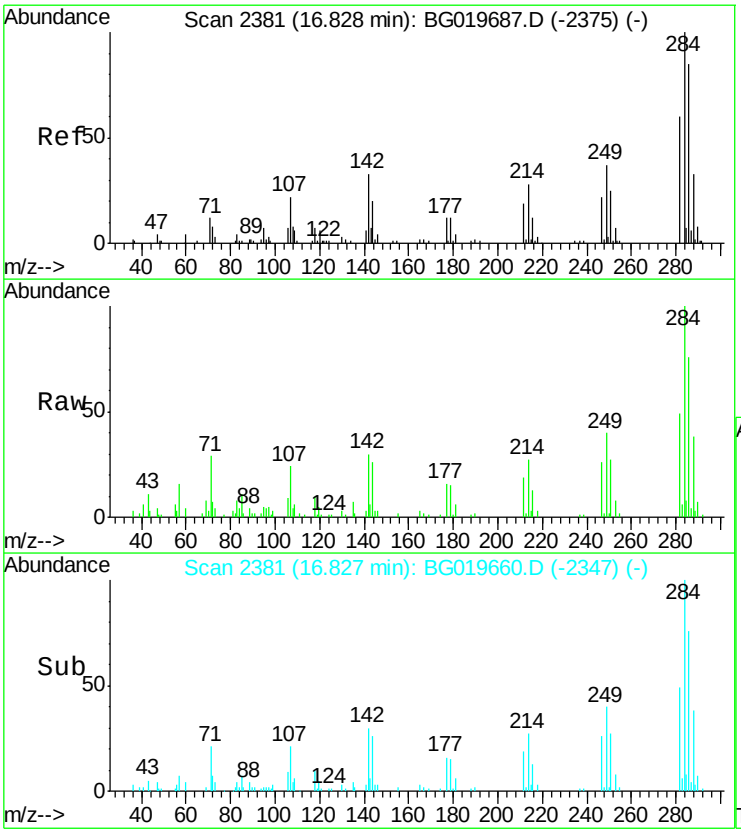
#64
4,6-Dinitro-2-methylphenol
Concen: 17.68 ng/ul
RT: 15.90 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:198 Resp: 26630

Ion	Ratio	Lower	Upper
198	100		
182	5.5	3.4	5.2#
77	30.1	20.6	31.0

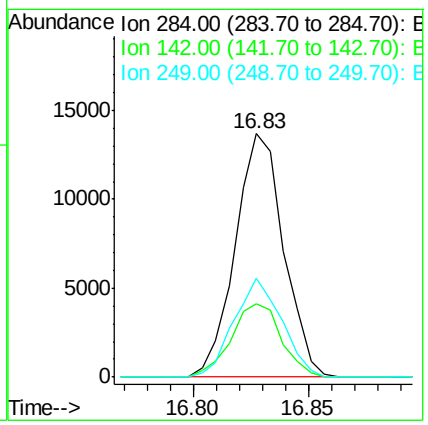


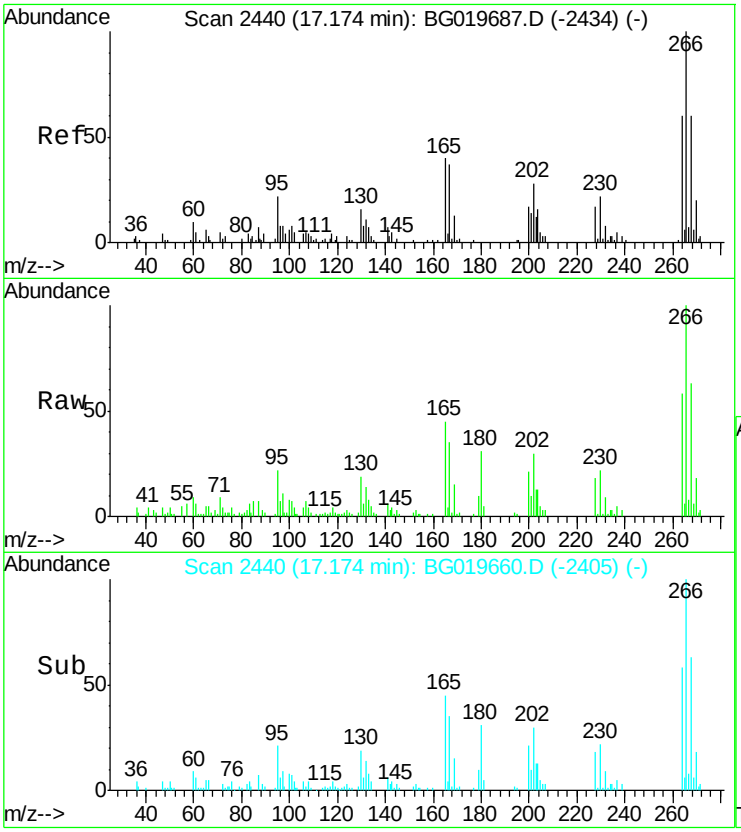


#67
Hexachlorobenzene
Concen: 7.19 ng/ul
RT: 16.83 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:284 Resp: 20020

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.6	35.4
249	40.5	27.8	41.6



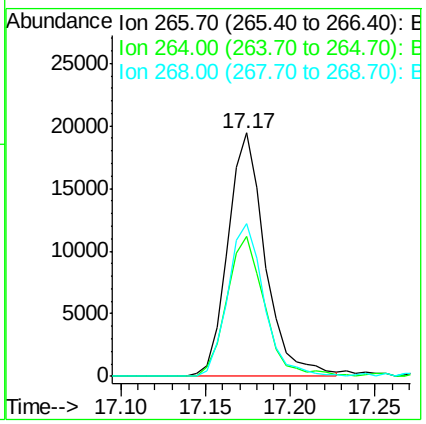


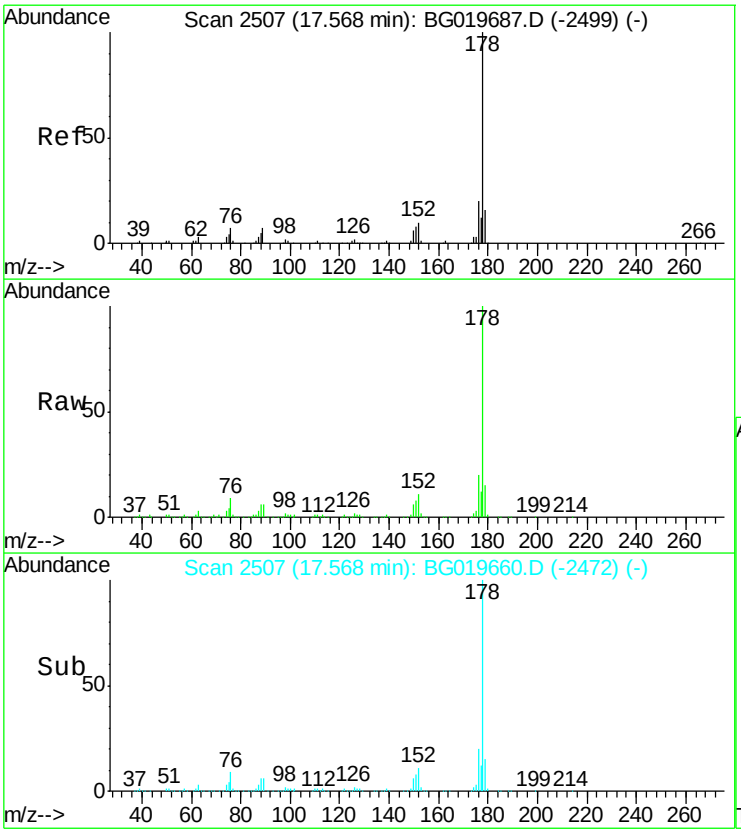
#69
Pentachlorophenol
Concen: 19.11 ng/ul
RT: 17.17 min Scan# 2440
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:266 Resp: 29780

Ion	Ratio	Lower	Upper
266	100		
264	57.5	51.8	77.8
268	62.7	46.8	70.2

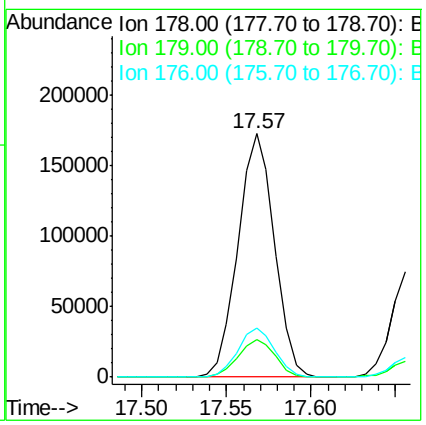


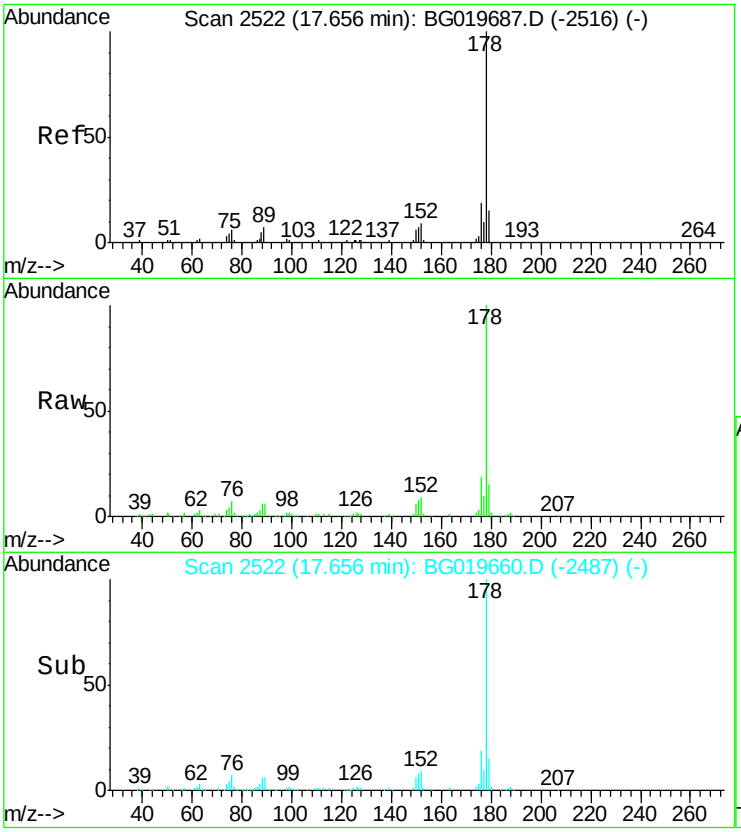


#70
Phenanthrene
Concen: 22.01 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:178 Resp: 258642

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	20.0	16.6	24.8



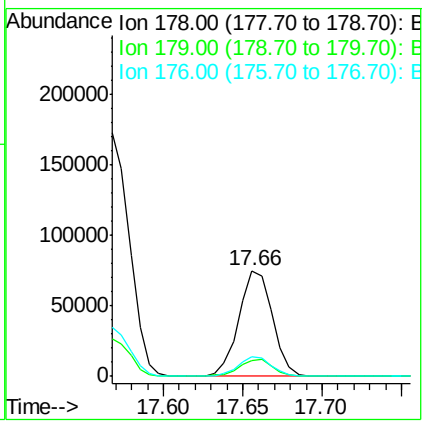


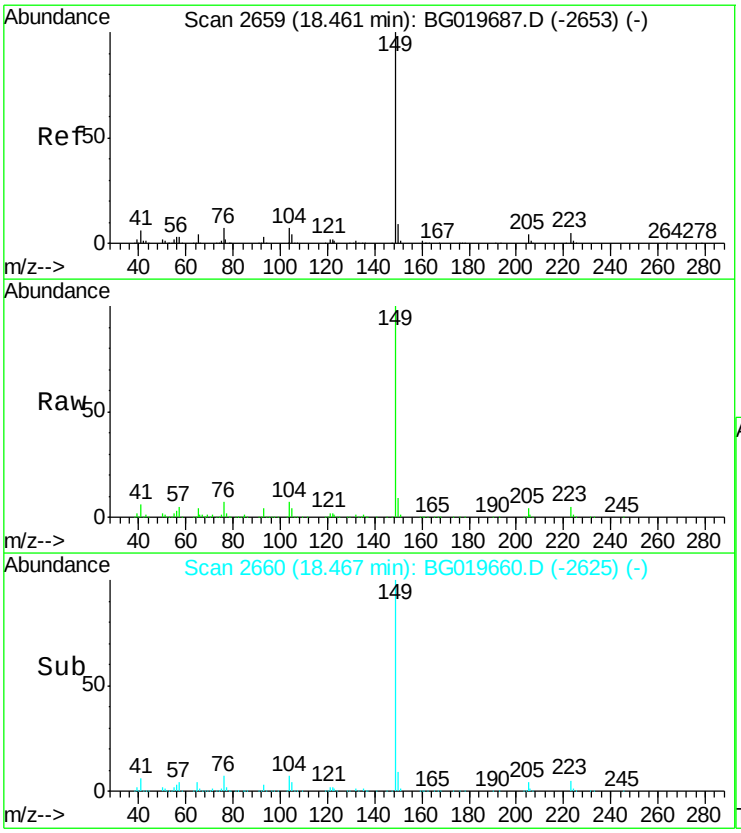
#72
Anthracene
Concen: 9.32 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:178 Resp: 110400

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	18.6	15.0	22.4

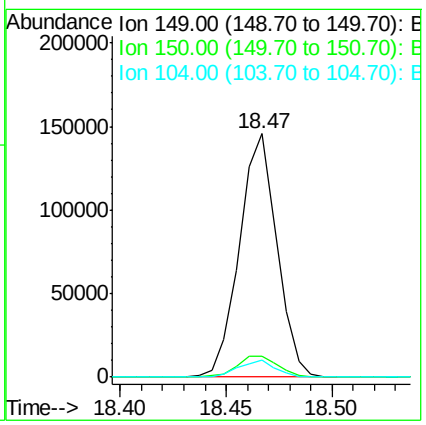


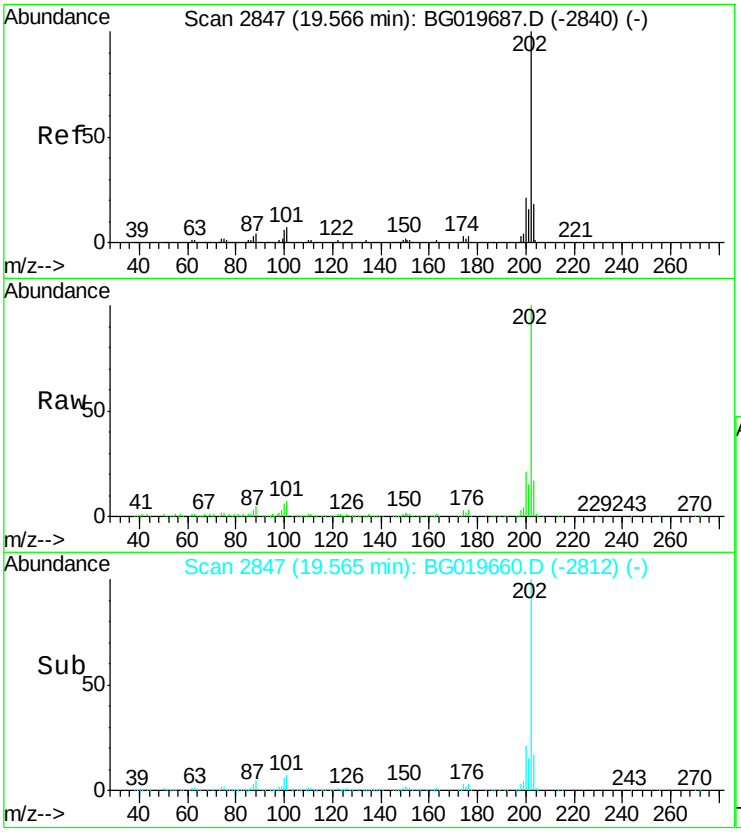


#76
Di-n-butylphthalate
Concen: 14.53 ng/ul
RT: 18.47 min Scan# 2660
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:149 Resp: 179330

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	7.2	5.5	8.3



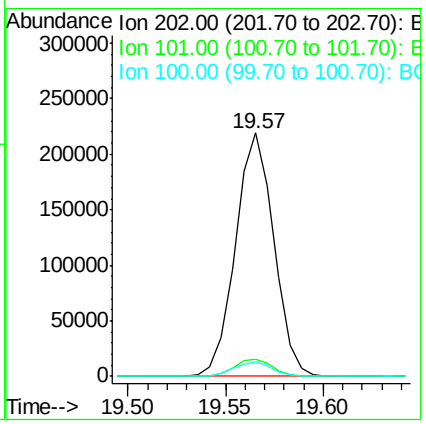


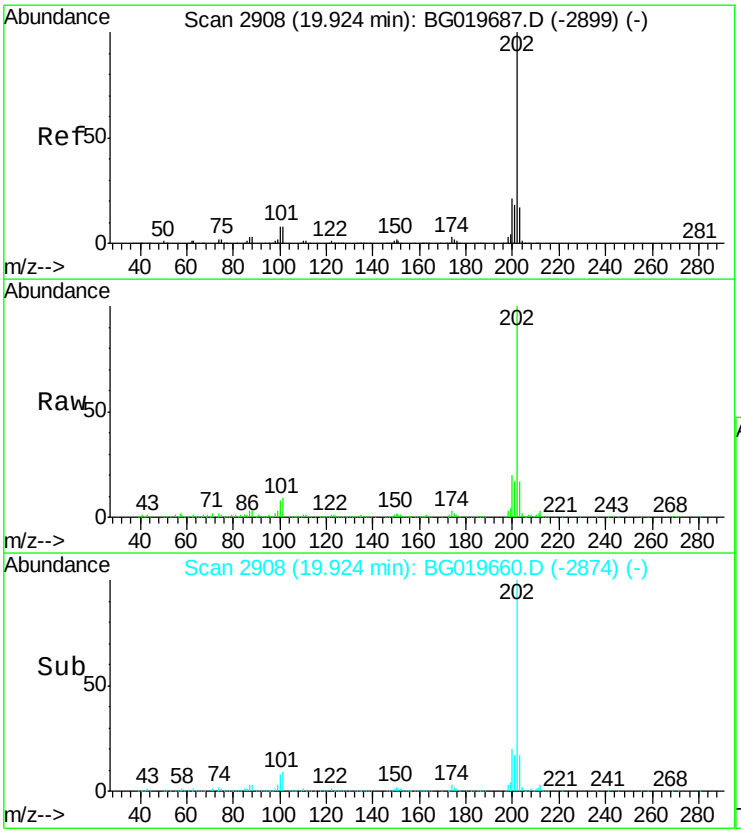
#77
Fluoranthene
Concen: 19.89 ng/ul
RT: 19.57 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:202 Resp: 297841

Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.2	7.8
100	6.0	5.0	7.4

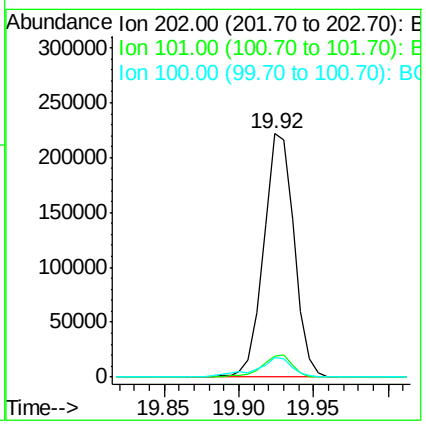


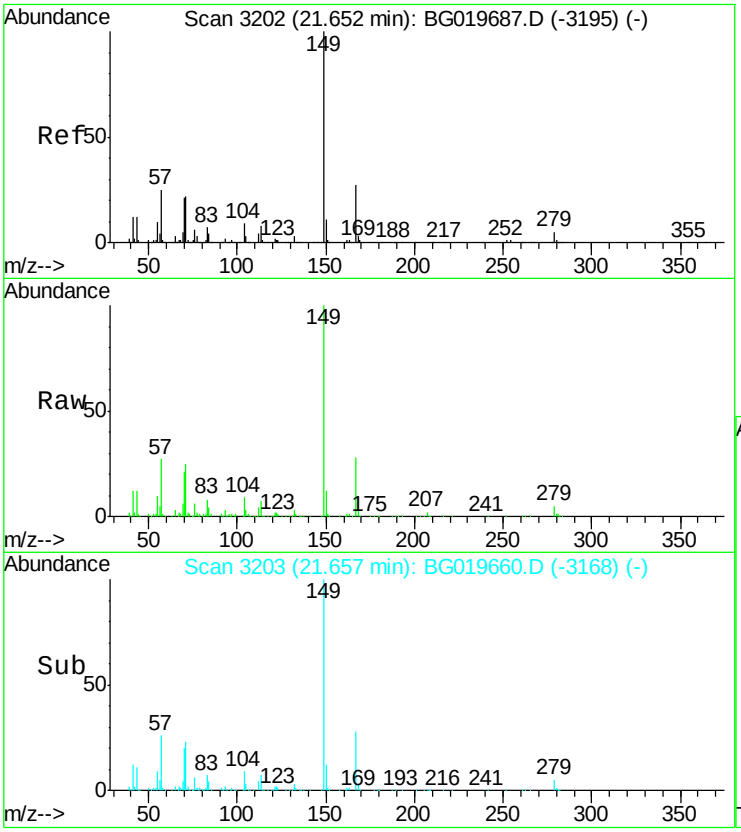


#80
Pyrene
Concen: 19.17 ng/ul
RT: 19.92 min Scan# 2908
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:202 Resp: 312269

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.6
100	7.9	6.6	10.0



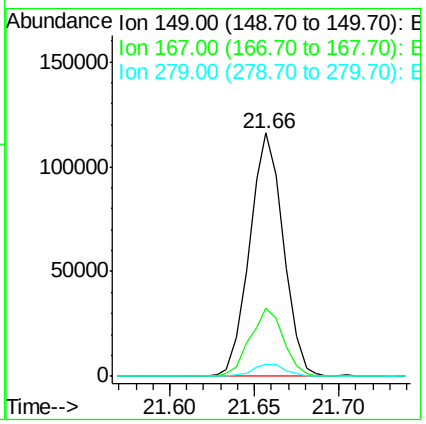


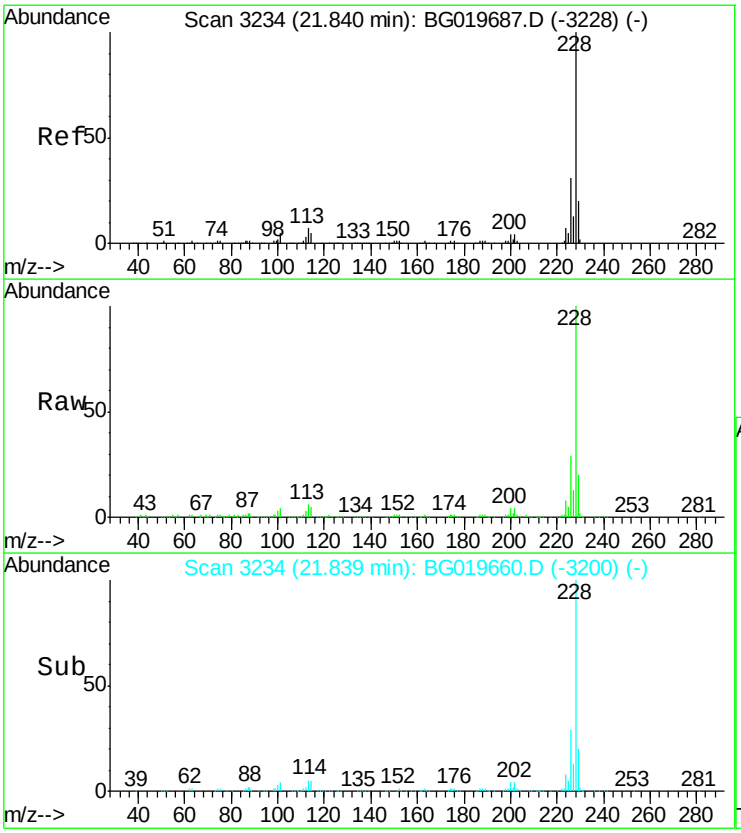
#84
Bis(2-ethylhexyl)phthalate
Concen: 20.33 ng/ul
RT: 21.66 min Scan# 3203
Delta R.T. 0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:149 Resp: 159773

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.4	33.6
279	4.9	3.6	5.4

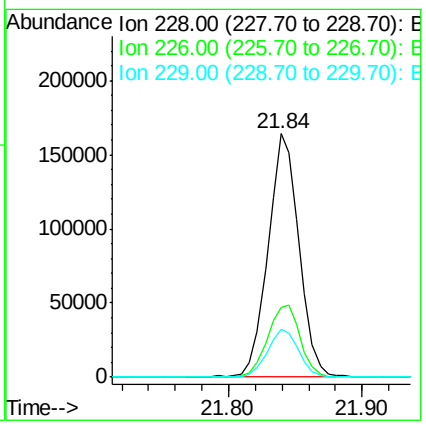


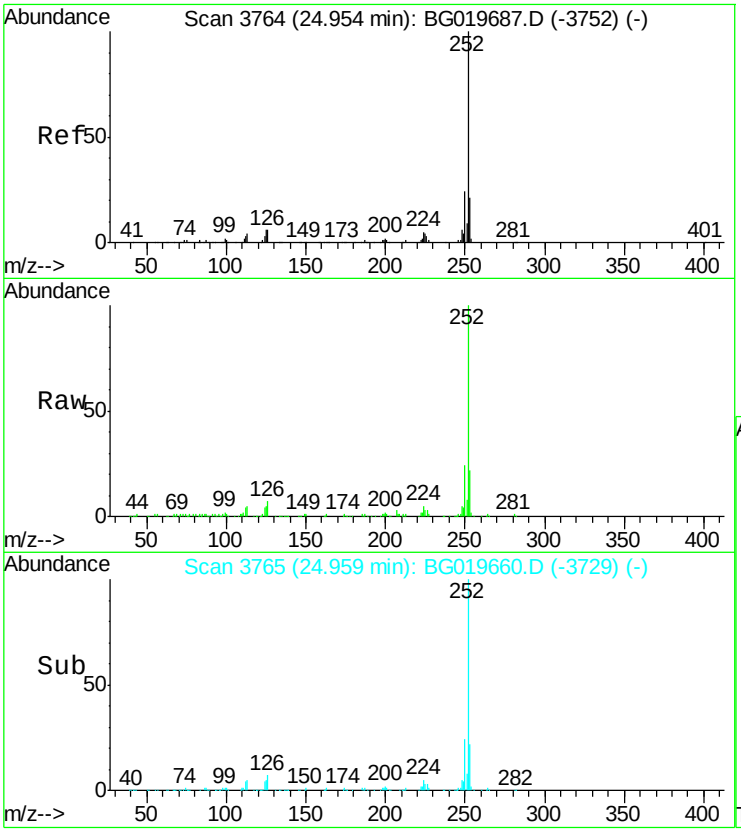


#85
Chrysene
Concen: 16.65 ng/ul
RT: 21.84 min Scan# 3234
Delta R.T. -0.00 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:228 Resp: 264961

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	19.5	17.0	25.6



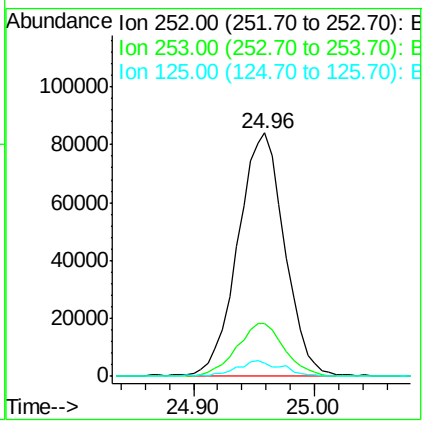


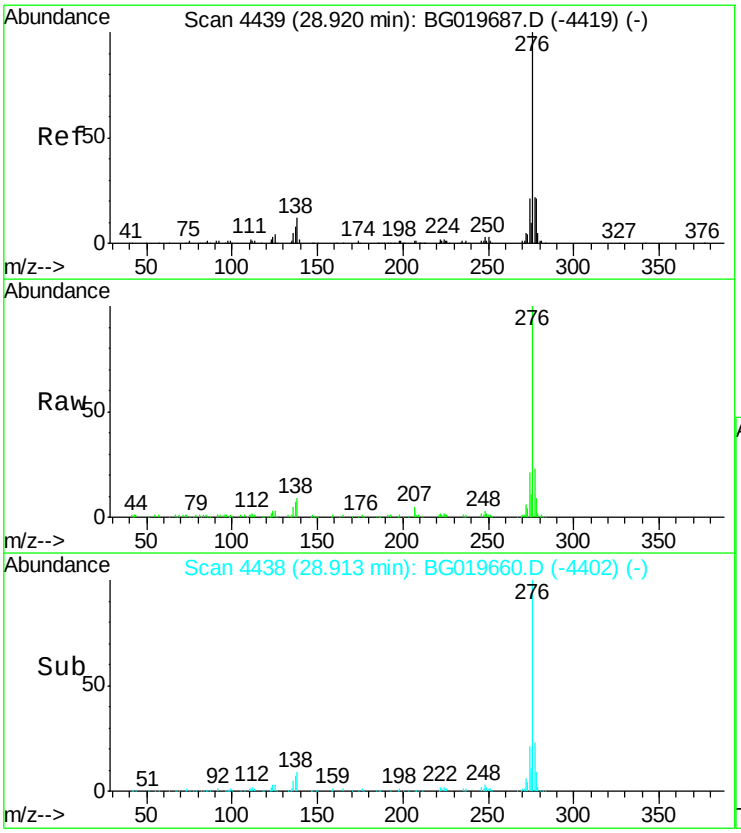
#91
Benzo(a)pyrene
Concen: 14.17 ng/ul
RT: 24.96 min Scan# 3765
Delta R.T. 0.01 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:252 Resp: 224218

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.9	25.3
125	5.4	5.4	8.0

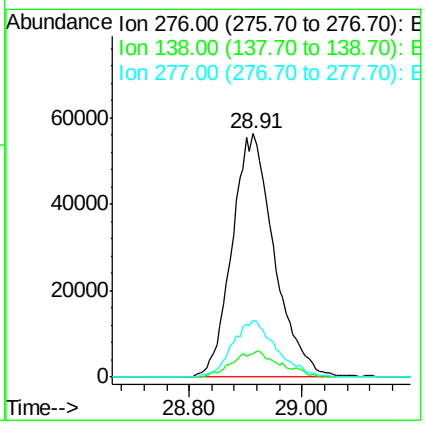


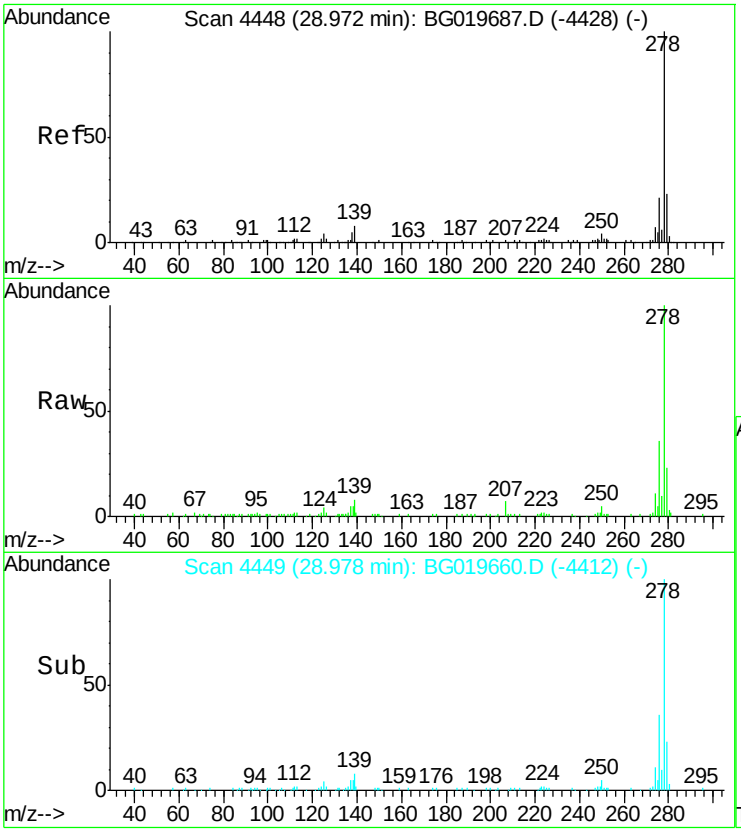


#92
Indeno(1,2,3-cd)pyrene
Concen: 16.51 ng/ul
RT: 28.91 min Scan# 4438
Delta R.T. 0.01 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Tgt Ion:276 Resp: 292236

Ion	Ratio	Lower	Upper
276	100		
138	9.4	9.9	14.9#
277	23.5	21.3	31.9





#93
Dibenzo(a,h)anthracene
Concen: 10.45 ng/ul
RT: 28.98 min Scan# 4449
Delta R.T. 0.02 min
Lab File: BG019660.D
Acq: 17 Nov 2015 13:33

Instrument :
BNA_G
ClientSampleId :
D9KK3

Tgt Ion:278 Resp: 152073

Ion	Ratio	Lower	Upper
278	100		
139	9.9	5.9	8.9#
279	23.0	18.2	27.2