Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111915\
Data File : BG019704.D
Acq On : 19 Nov 2015 13:43
Operator : UM/NP
Sample : G4345-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4HX9

Quant Time: Nov 20 12:45:34 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 20 00:36:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	19440	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	83788	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	67449	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	209205	20.00	ng/ul	0.00
78) Chrysene-d12	21.79	240	281530	20.00	ng/ul	0.00
86) Perylene-d12	25.11	264	273056	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	1890	4.15	ng/uL	0.00
5) Phenol-d5	7.29	99	46966	23.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	31890	24.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	29723	23.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	40495	24.56	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	17028	24.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	17349	22.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	38986	23.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	41259	25.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	161408	26.46	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	181958	27.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	23664	24.62	ng/ul	0.00
58) Fluorene-d10	15.77	176	158861	29.10	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	20462	15.14	ng/ul	0.00
71) Anthracene-d10	17.62	188	290383	28.59	ng/ul	0.00
79) Pyrene-d10	19.89	212	368235	28.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	417070	29.26	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.56	93	44563	29.78	ng/ul	93
10) 2-Chlorophenol	7.70	128	3283	2.63	ng/ul#	84
12) 2,2'-oxybis(1-Chloropropan	8.68	45	27052	20.70	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.95	70	23451	12.74	ng/ul#	96
17) Hexachloroethane	9.25	117	7436	12.54	ng/ul	96
21) Isophorone	9.88	82	40153	8.40	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.37	93	65714	27.78	ng/ul	96
27) 2,4-Dichlorophenol	10.62	162	14822	9.30	ng/ul	91
28) Naphthalene	11.03	128	24889	5.50	ng/ul#	94
35) 1-Methylnaphthalene	12.84	142	39626	11.02	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.98	216	32358	11.97	ng/ul#	89
38) Hexachlorocyclopentadiene	12.96	237	19897	12.63	ng/ul	93
40) 2,4,5-Trichlorophenol	13.30	196	34065	19.74	ng/ul	96
42) 2-Chloronaphthalene	13.67	162	72586	18.62	ng/ul	99
46) 2,6-Dinitrotoluene	14.35	165	25986	21.47	ng/ul	90
48) Acenaphthylene	14.51	152	45632	6.92	ng/ul	98
54) Dibenzofuran	15.18	168	56420	8.52	ng/ul	92
55) 2,4-Dinitrotoluene	15.13	165	15645	8.31	ng/ul#	90
59) Fluorene	15.83	166	118875	20.53	ng/ul	96
60) 4-Chlorophenyl-phenylether	15.81	204	35614	10.57	ng/ul	97
66) 4-Bromophenyl-phenylether	16.70	248	32632	12.97	ng/ul	94
67) Hexachlorobenzene	16.83	284	28281	10.66	ng/ul	94
69) Pentachlorophenol	17.17	266	34046	22.93	ng/ul	92

Quantitation Report (LSC Reviewed)

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Operator : UM/NP
Sample : G4345-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4HX9

Quant Time: Nov 20 12:45:34 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 20 00:36:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	17.66	178	103472	9.16	ng/ul	98
75) Carbazole	17.93	167	107201	11.83	ng/ul	98
81) Butylbenzylphthalate	20.79	149	101639	18.79	ng/ul	91
83) Benzo(a)anthracene	21.77	228	267629	15.68	ng/ul	99
87) Di-n-octyl phthalate	22.89	149	239634	18.07	ng/ul	100
88) Benzo(b)fluoranthene	24.05	252	296401	17.62	ng/ul	98
89) Benzo(k)fluoranthene	24.12	252	140259	8.64	ng/ul	97

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

Quantitation Report (LSC Reviewed)

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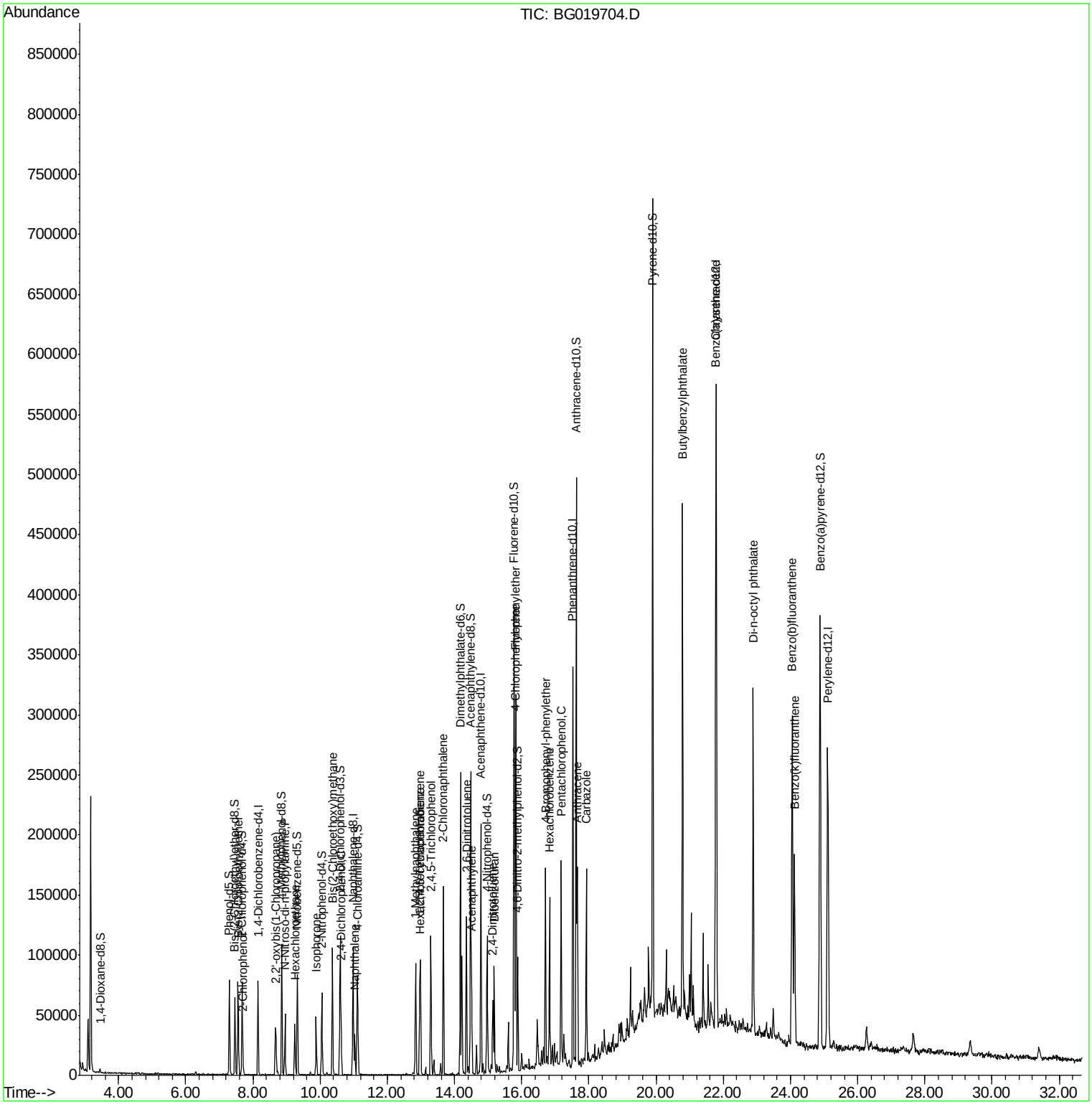
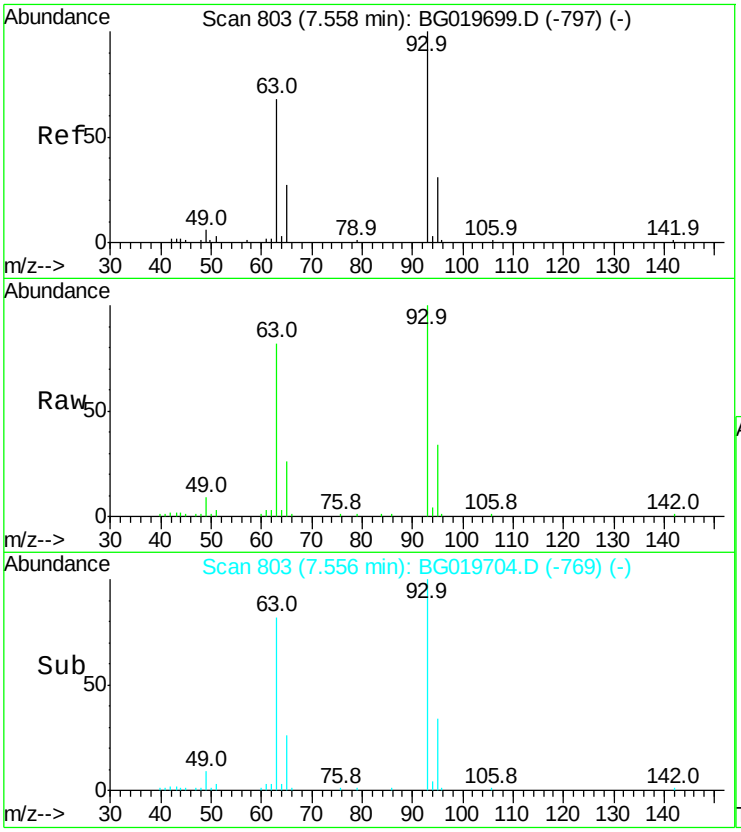


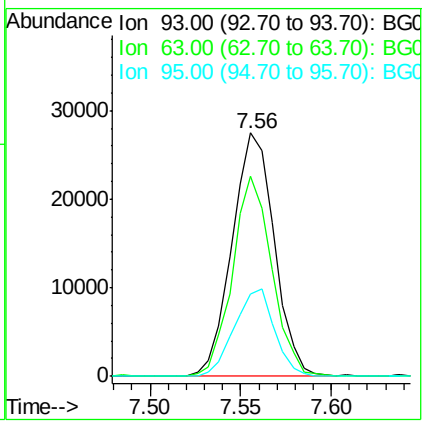


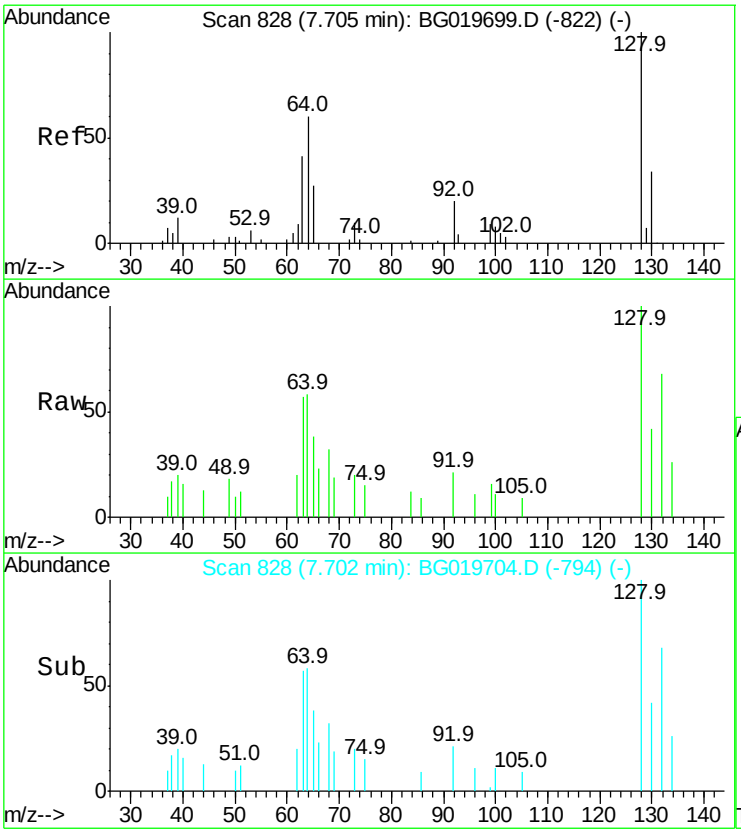
#8
Bis(2-Chloroethyl)ether
Concen: 29.78 ng/ul
RT: 7.56 min Scan# 803
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion: 93 Resp: 44563

Ion	Ratio	Lower	Upper
93	100		
63	82.4	61.0	91.4
95	33.9	23.7	35.5

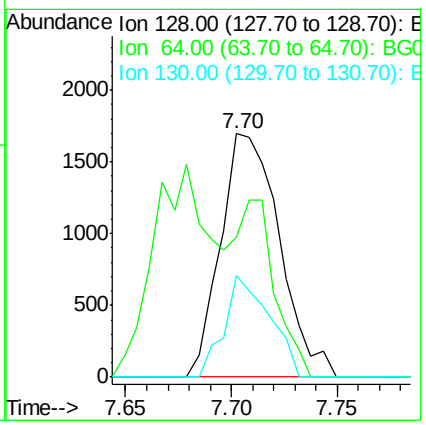


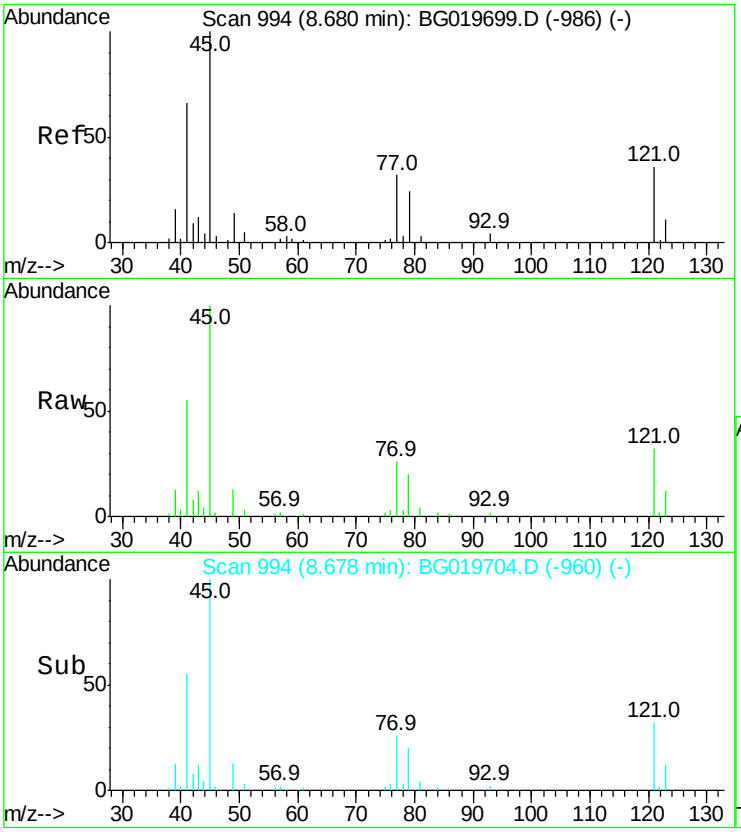


#10
2-Chlorophenol
Concen: 2.63 ng/ul
RT: 7.70 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:128 Resp: 3283

Ion	Ratio	Lower	Upper
128	100		
64	57.7	59.4	89.0#
130	41.7	28.9	43.3



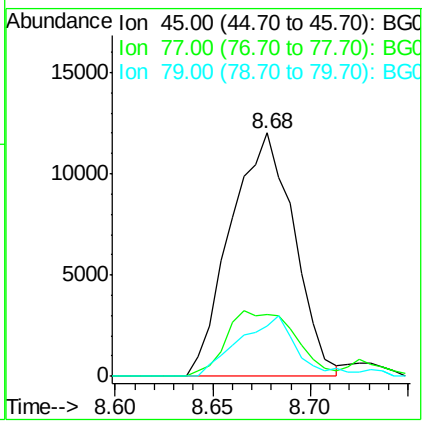


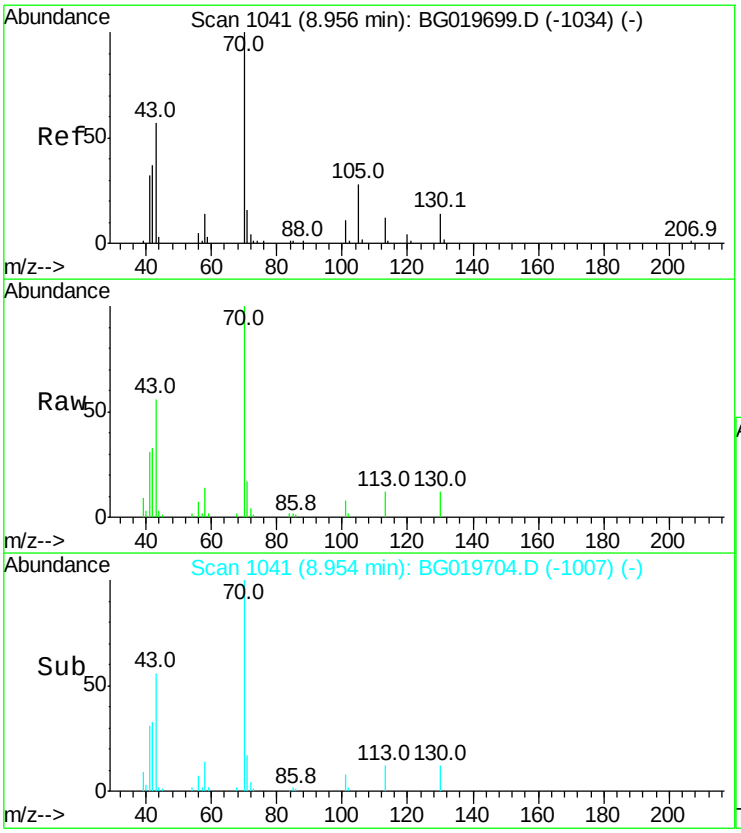
#12
2,2'-oxybis(1-Chloropropane)
Concen: 20.70 ng/ul
RT: 8.68 min Scan# 994
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion: 45 Resp: 27052

Ion	Ratio	Lower	Upper
45	100		
77	25.5	19.1	28.7
79	20.4	16.2	24.2

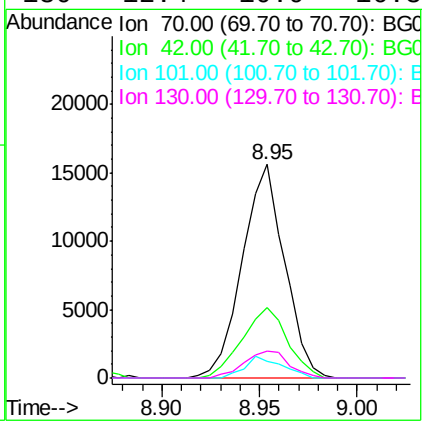


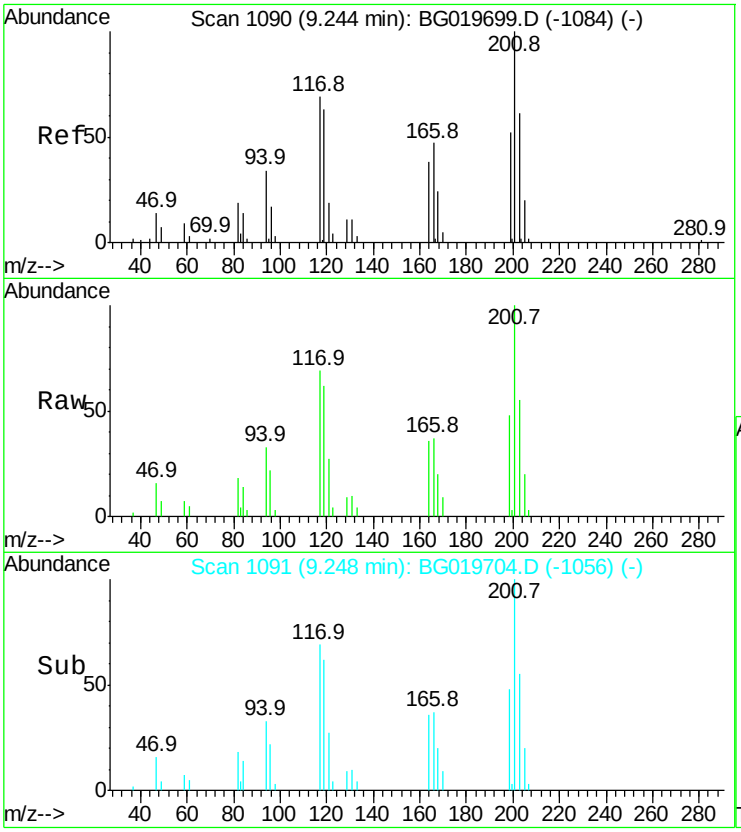


#15
N-Nitroso-di-n-propylamine
Concen: 12.74 ng/ul
RT: 8.95 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion: 70 Resp: 23451

Ion	Ratio	Lower	Upper
70	100		
42	32.8	28.4	42.6
101	8.0	5.3	7.9#
130	12.4	10.9	16.3



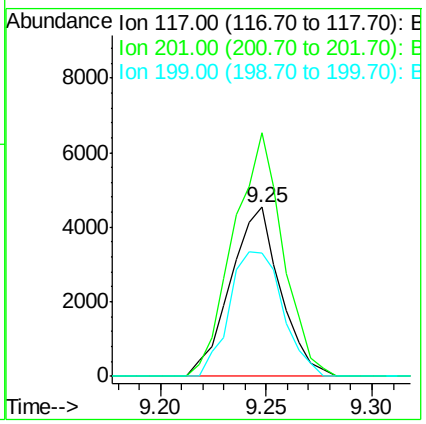


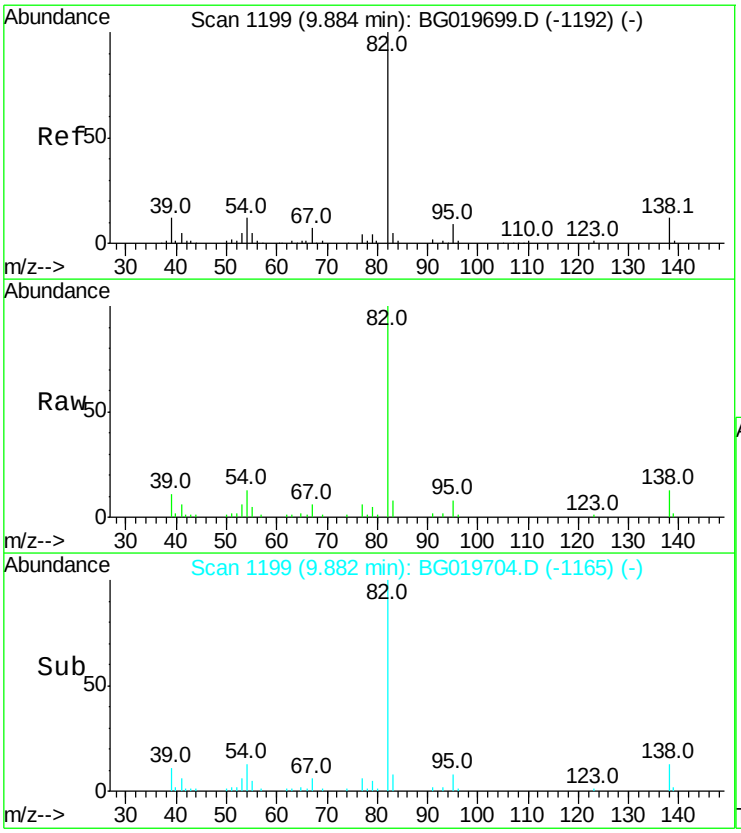
#17
Hexachloroethane
Concen: 12.54 ng/ul
RT: 9.25 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:117 Resp: 7436

Ion	Ratio	Lower	Upper
117	100		
201	143.9	114.2	171.2
199	72.9	65.0	97.6

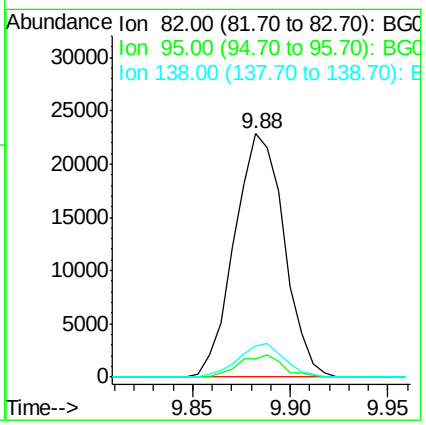


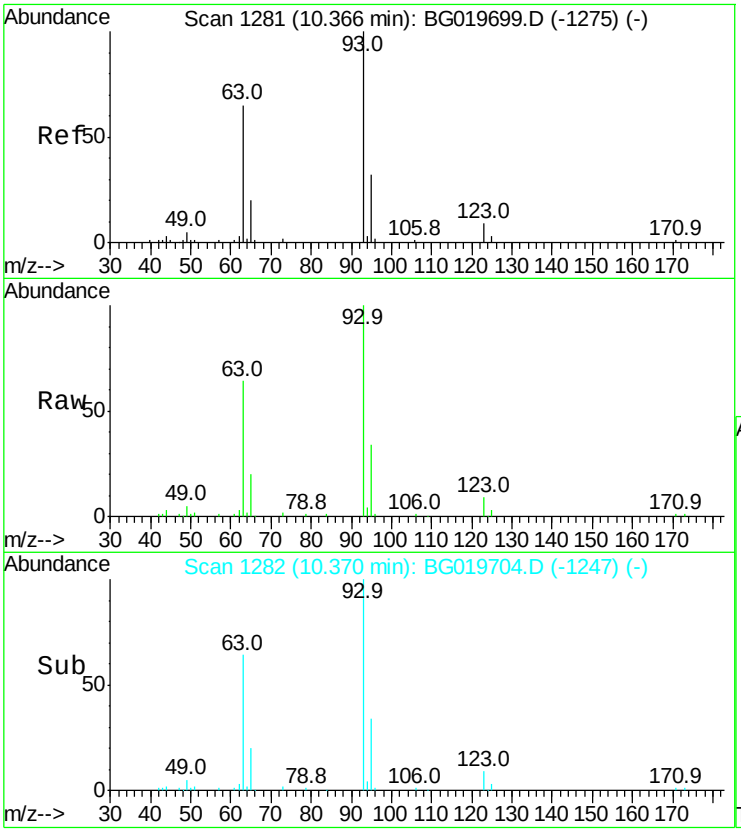


#21
Isophorone
Concen: 8.40 ng/ul
RT: 9.88 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion: 82 Resp: 40153

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.0	9.0
138	12.8	9.1	13.7



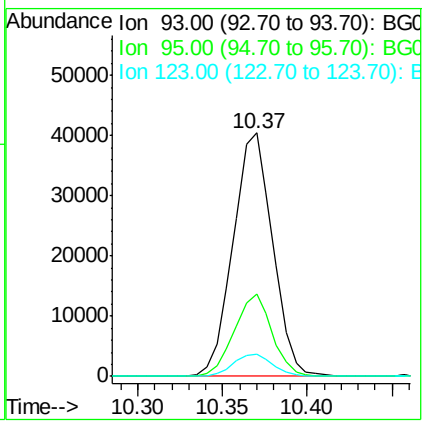


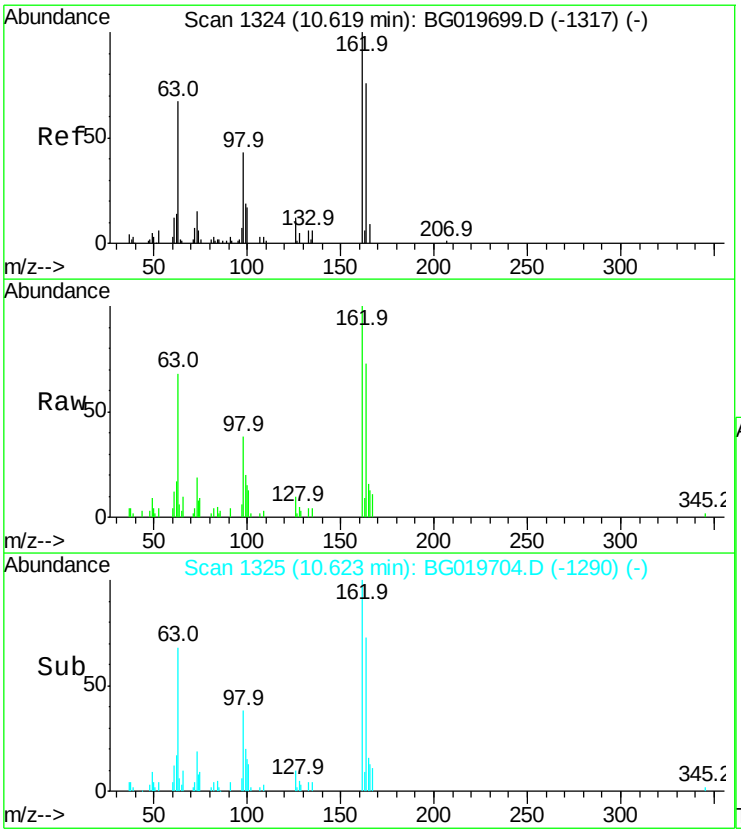
#25
Bis(2-Chloroethoxy)methane
Concen: 27.78 ng/ul
RT: 10.37 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion: 93 Resp: 65714

Ion	Ratio	Lower	Upper
93	100		
95	34.1	29.4	44.0
123	9.0	7.1	10.7

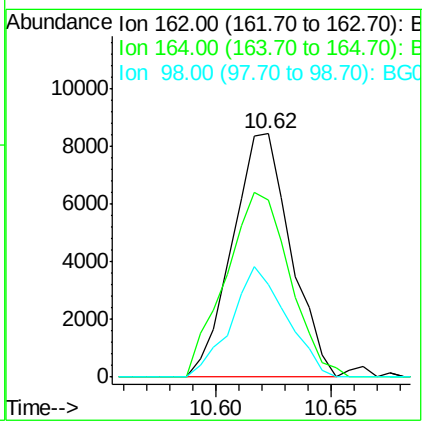


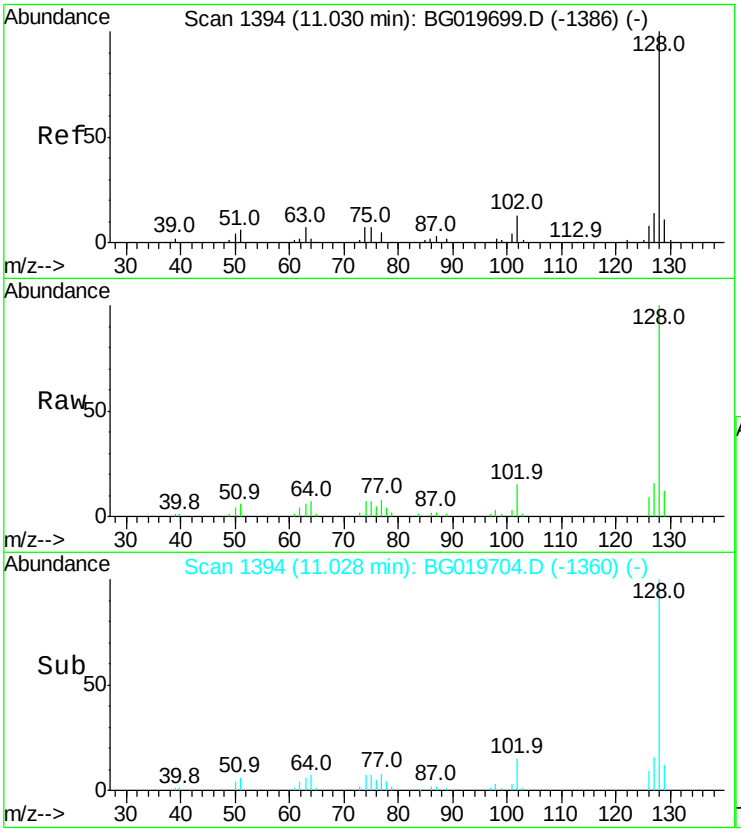


#27
2,4-Dichlorophenol
Concen: 9.30 ng/ul
RT: 10.62 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:162 Resp: 14822

Ion	Ratio	Lower	Upper
162	100		
164	72.6	50.2	75.2
98	37.8	32.5	48.7



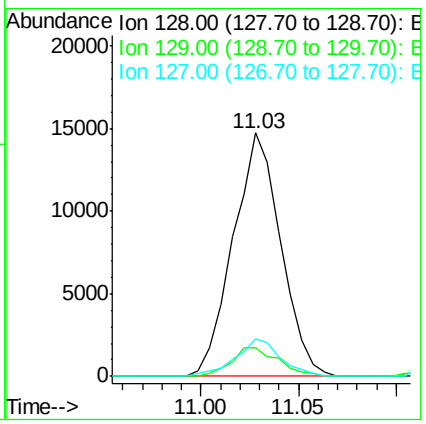


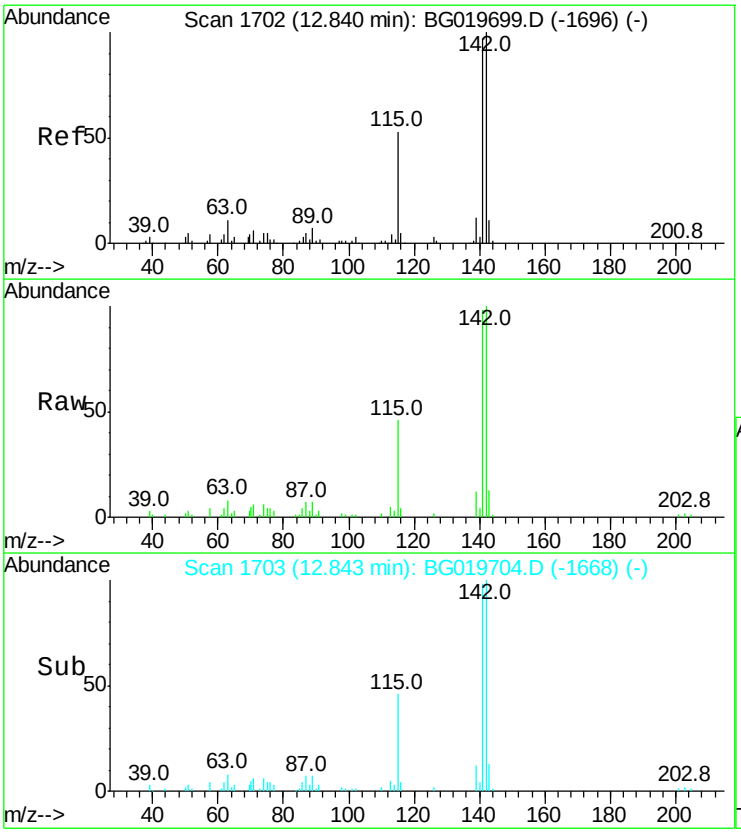
#28
Naphthalene
Concen: 5.50 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:128 Resp: 24889

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.1	12.1
127	15.6	10.0	15.0#

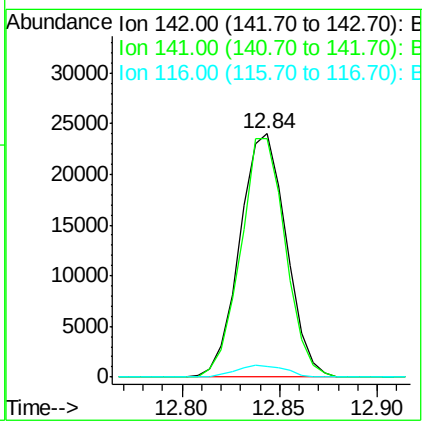


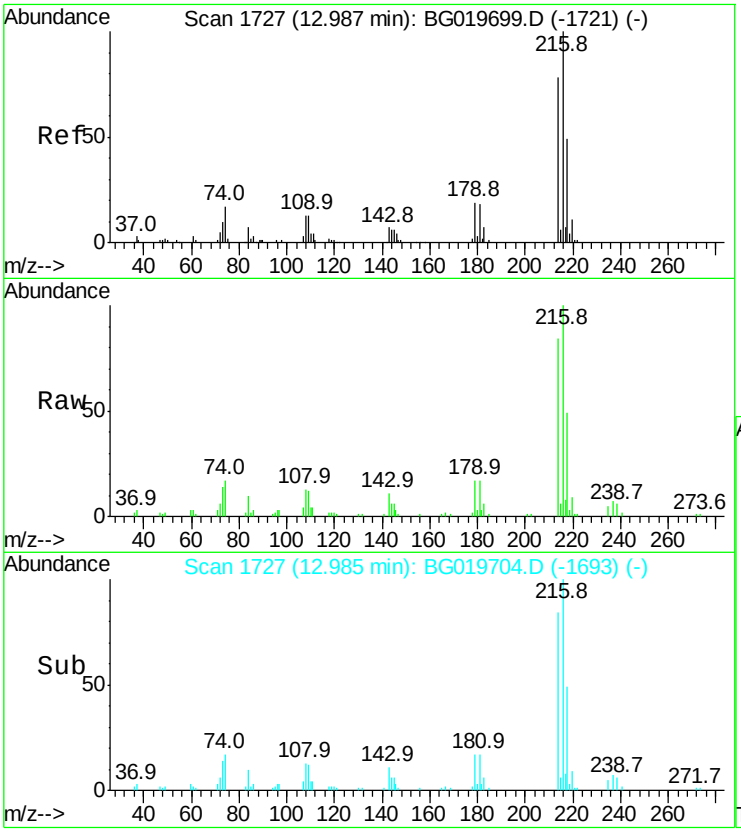


#35
1-Methylnaphthalene
Concen: 11.02 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:142 Resp: 39626

Ion	Ratio	Lower	Upper
142	100		
141	98.1	76.6	114.8
116	4.4	4.1	6.1



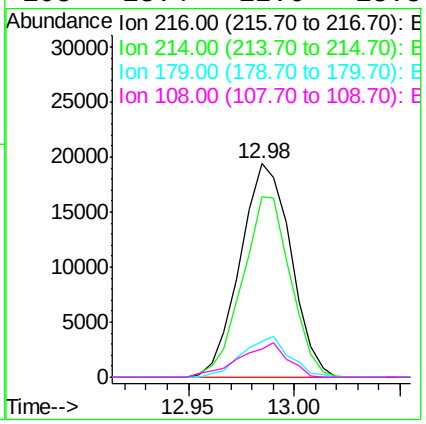


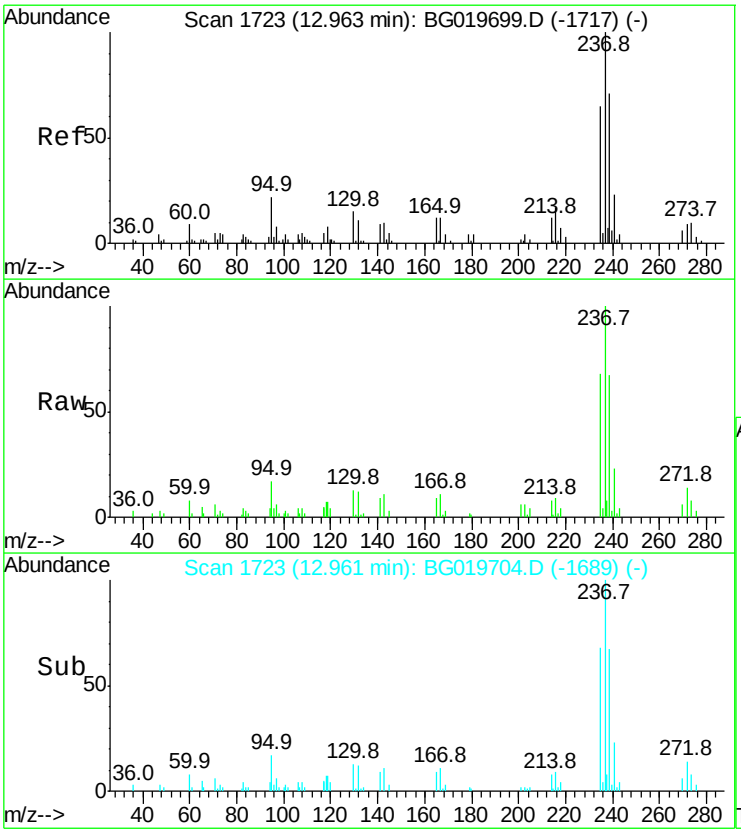
#37
1,2,4,5-Tetrachlorobenzene
Concen: 11.97 ng/ul
RT: 12.98 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:216 Resp: 32358

Ion	Ratio	Lower	Upper
216	100		
214	90.0	62.9	94.3
179	16.5	16.9	25.3#
108	13.4	12.6	18.8

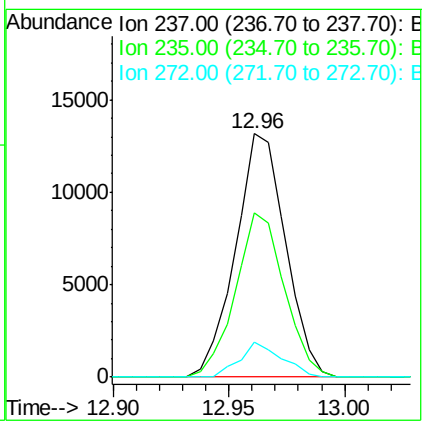


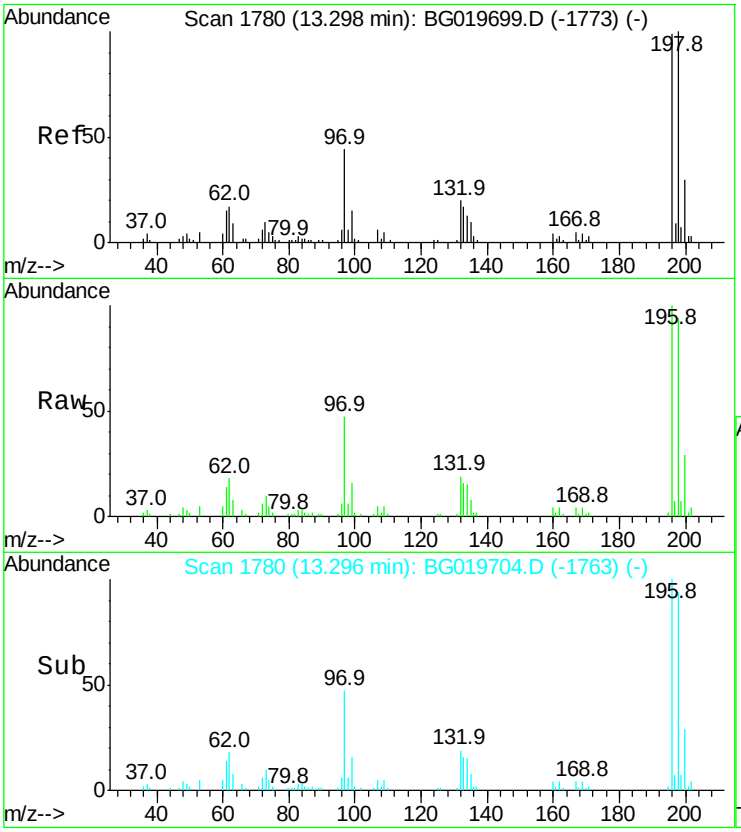


#38
Hexachlorocyclopentadiene
Concen: 12.63 ng/ul
RT: 12.96 min Scan# 1723
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:237 Resp: 19897

Ion	Ratio	Lower	Upper
237	100		
235	62.7	54.8	82.2
272	13.1	9.1	13.7



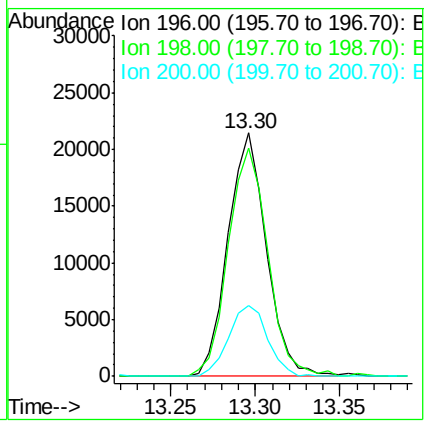


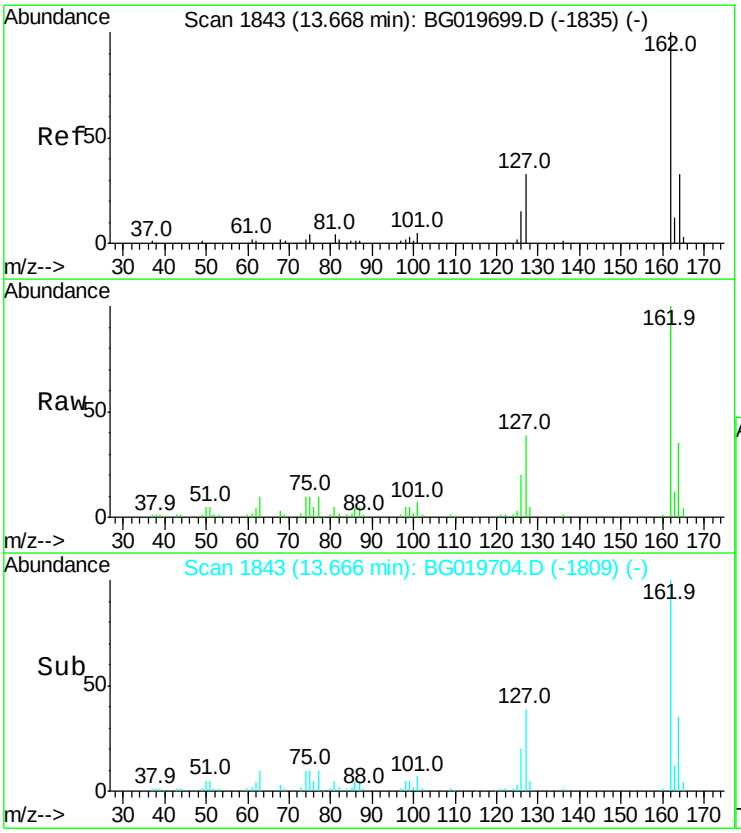
#40
2,4,5-Trichlorophenol
Concen: 19.74 ng/ul
RT: 13.30 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:196 Resp: 34065

Ion	Ratio	Lower	Upper
196	100		
198	93.7	79.0	118.4
200	29.2	24.2	36.2

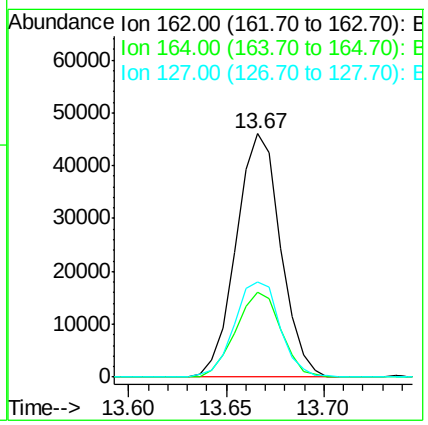


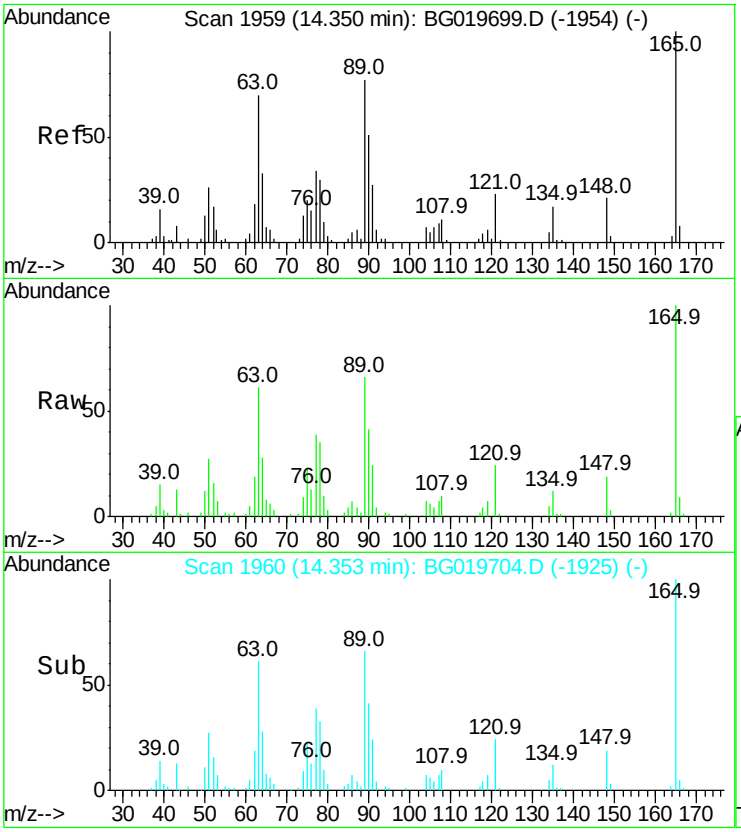


#42
2-Chloronaphthalene
Concen: 18.62 ng/ul
RT: 13.67 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:162 Resp: 72586

Ion	Ratio	Lower	Upper
162	100		
164	35.1	28.3	42.5
127	39.0	32.4	48.6



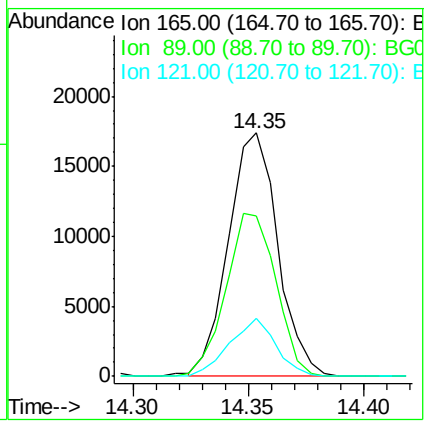


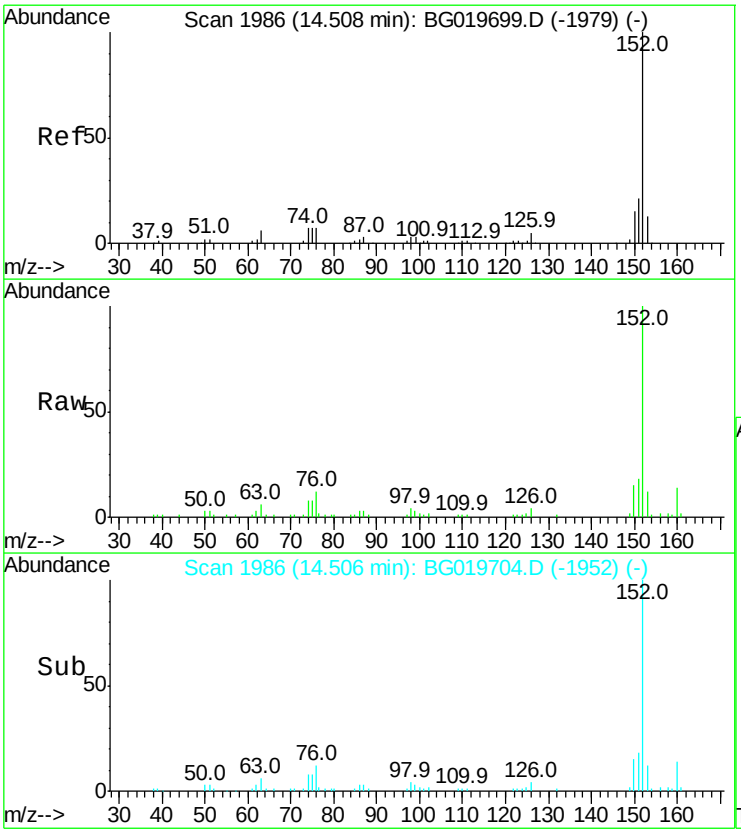
#46
2,6-Dinitrotoluene
Concen: 21.47 ng/ul
RT: 14.35 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:165 Resp: 25986

Ion	Ratio	Lower	Upper
165	100		
89	66.0	61.1	91.7
121	23.6	17.8	26.8

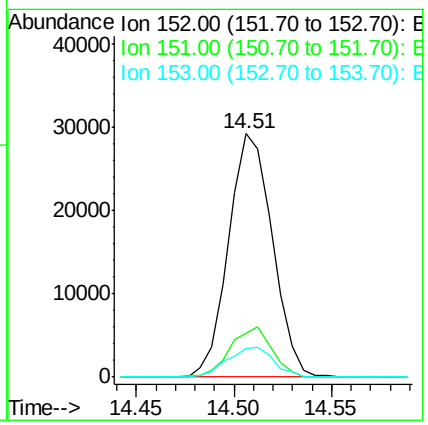


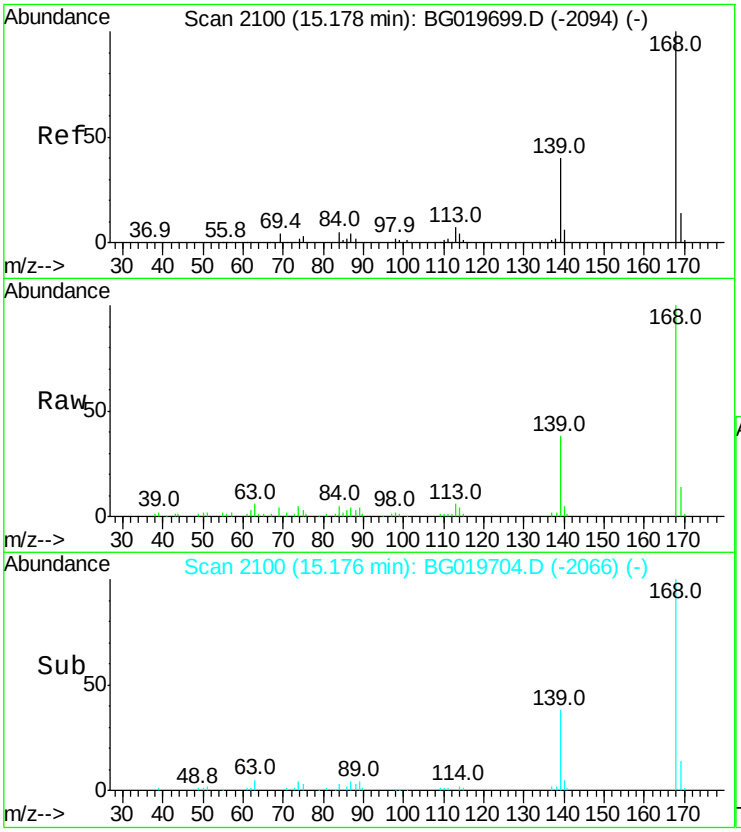


#48
Acenaphthylene
Concen: 6.92 ng/ul
RT: 14.51 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:152 Resp: 45632

Ion	Ratio	Lower	Upper
152	100		
151	17.9	15.1	22.7
153	11.6	9.8	14.8



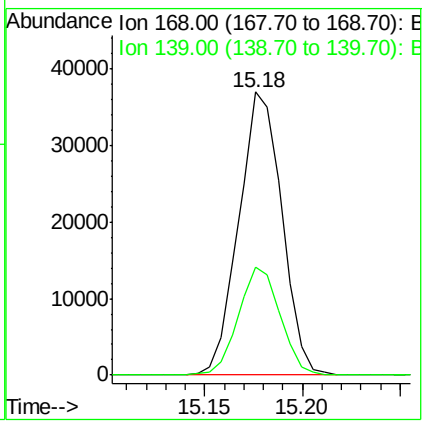


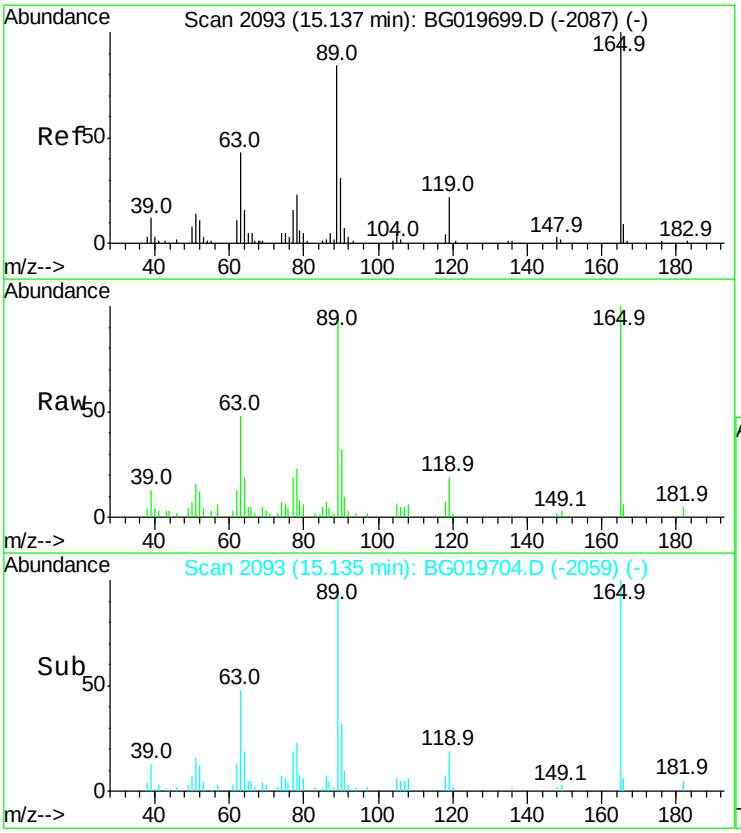
#54
Dibenzofuran
Concen: 8.52 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:168 Resp: 56420

Ion	Ratio	Lower	Upper
168	100		
139	38.0	34.7	52.1

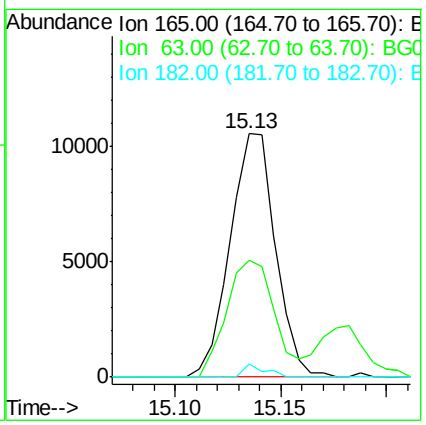


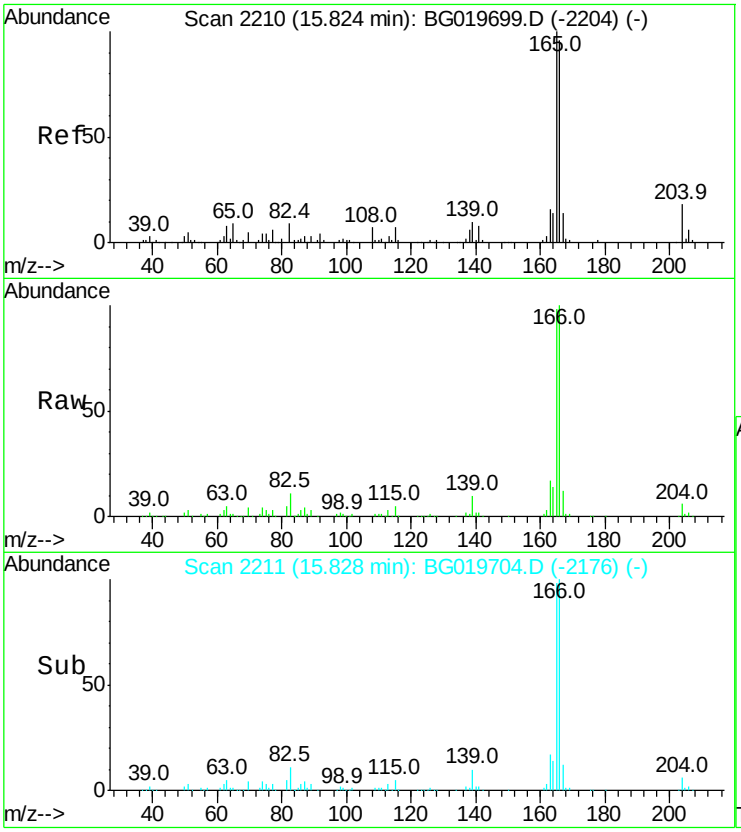


#55
2,4-Dinitrotoluene
Concen: 8.31 ng/ul
RT: 15.13 min Scan# 2093
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:165 Resp: 15645

Ion	Ratio	Lower	Upper
165	100		
63	48.1	44.2	66.2
182	5.2	2.6	3.8#



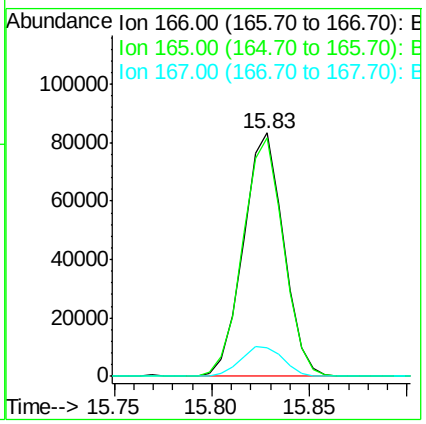


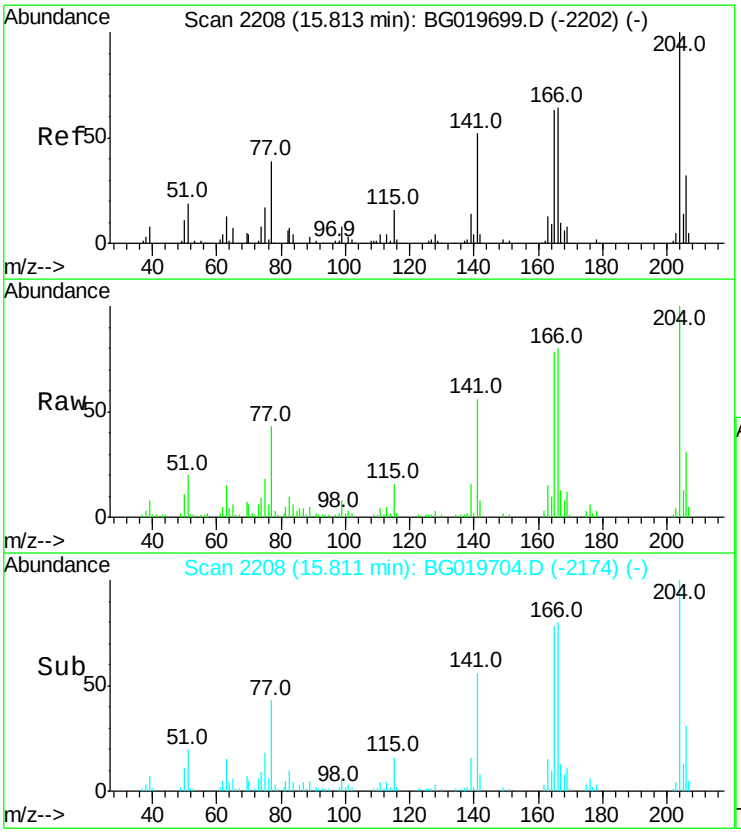
#59
Fluorene
Concen: 20.53 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:166 Resp: 118875

Ion	Ratio	Lower	Upper
166	100		
165	97.7	81.4	122.2
167	11.7	11.1	16.7

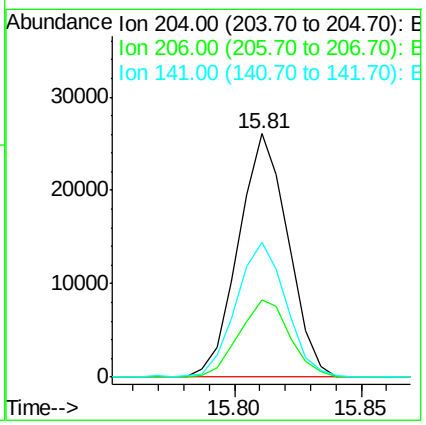


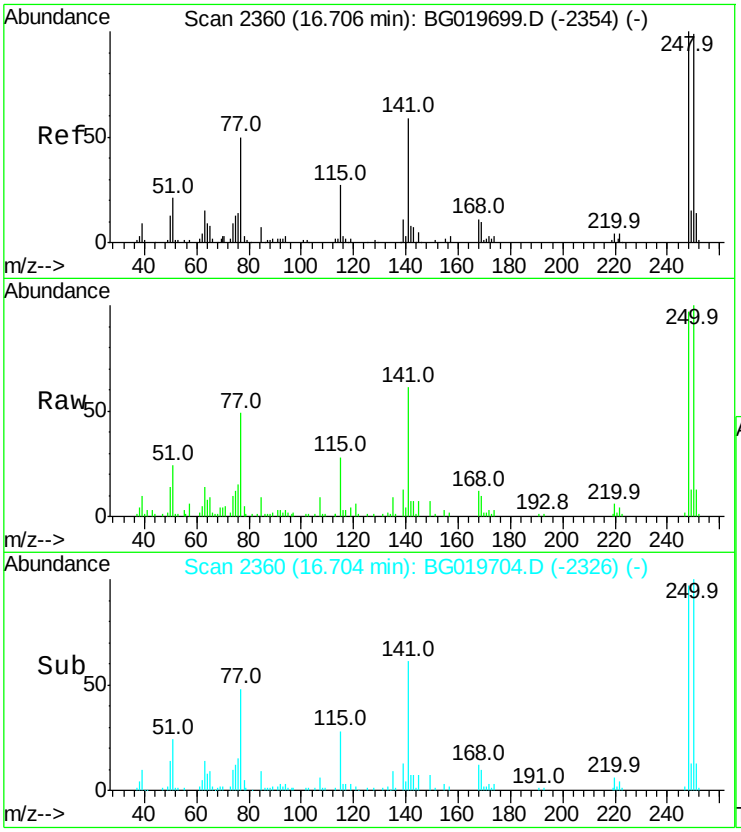


#60
4-Chlorophenyl-phenylether
Concen: 10.57 ng/ul
RT: 15.81 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:204 Resp: 35614

Ion	Ratio	Lower	Upper
204	100		
206	31.5	27.2	40.8
141	55.6	45.4	68.2



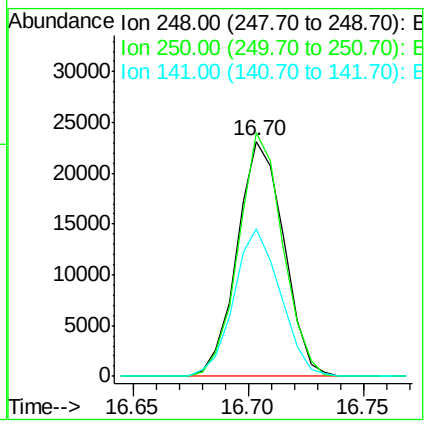


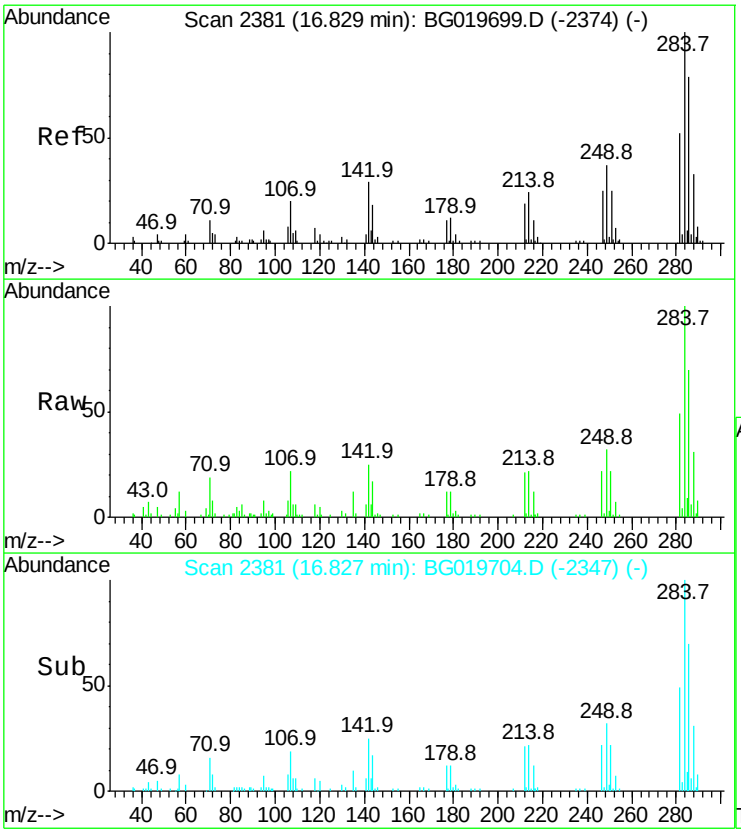
#66
4-Bromophenyl-phenylether
Concen: 12.97 ng/ul
RT: 16.70 min Scan# 2360
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:248 Resp: 32632

Ion	Ratio	Lower	Upper
248	100		
250	103.5	77.4	116.0
141	62.8	52.6	79.0

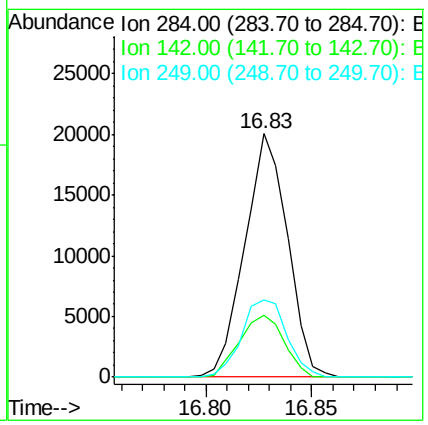


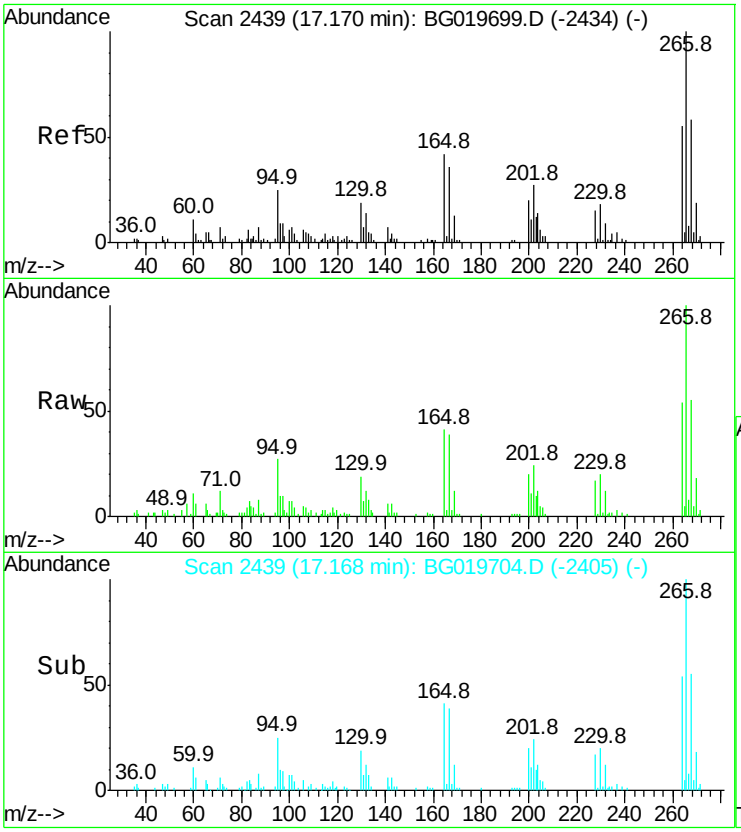


#67
Hexachlorobenzene
Concen: 10.66 ng/ul
RT: 16.83 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:284 Resp: 28281

Ion	Ratio	Lower	Upper
284	100		
142	25.4	23.6	35.4
249	31.7	27.8	41.6



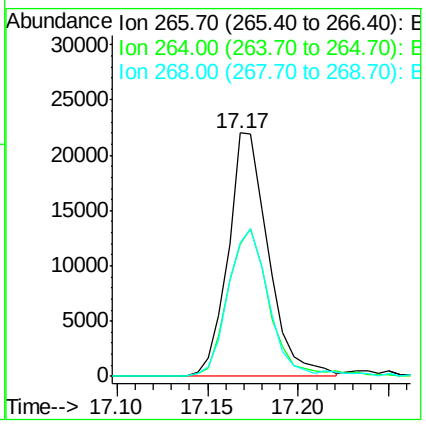


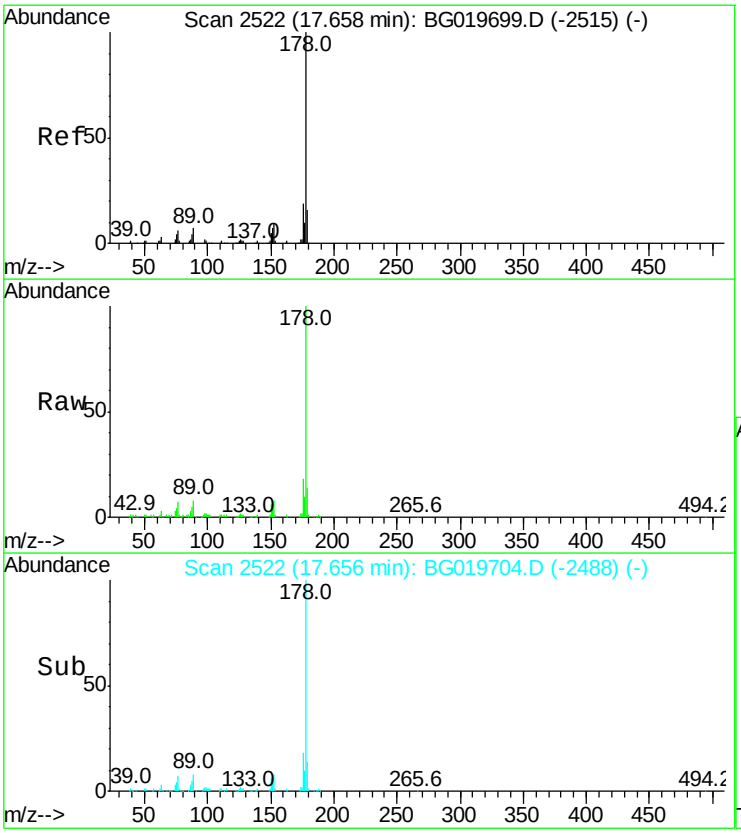
#69
Pentachlorophenol
Concen: 22.93 ng/ul
RT: 17.17 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:266 Resp: 34046

Ion	Ratio	Lower	Upper
266	100		
264	54.1	51.8	77.8
268	59.3	46.8	70.2

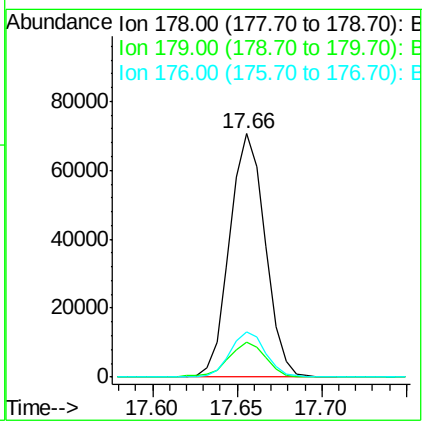


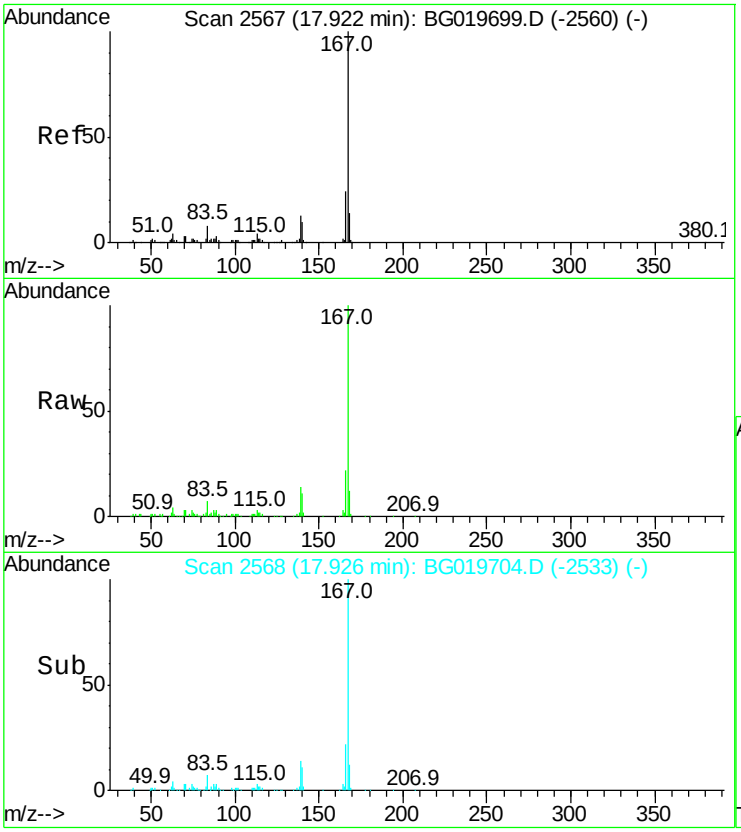


#72
Anthracene
Concen: 9.16 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:178 Resp: 103472

Ion	Ratio	Lower	Upper
178	100		
179	14.3	12.6	19.0
176	18.5	15.0	22.4



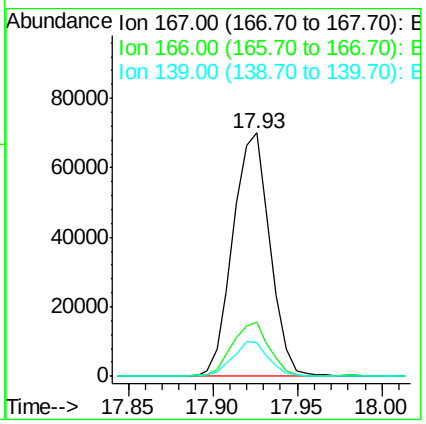


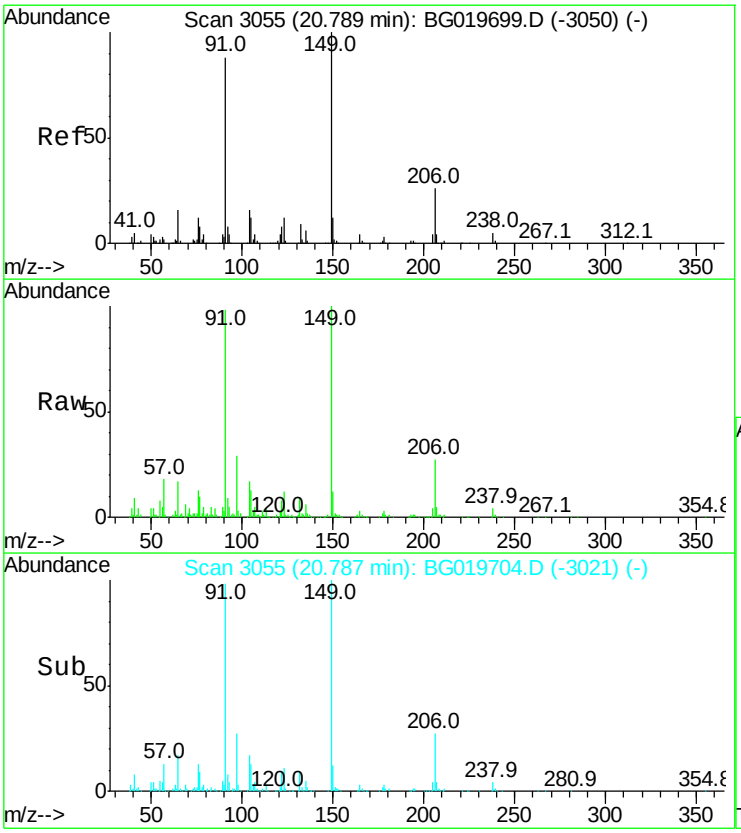
#75
Carbazole
Concen: 11.83 ng/ul
RT: 17.93 min Scan# 2568
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:167 Resp: 107201

Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.6	9.8	14.6

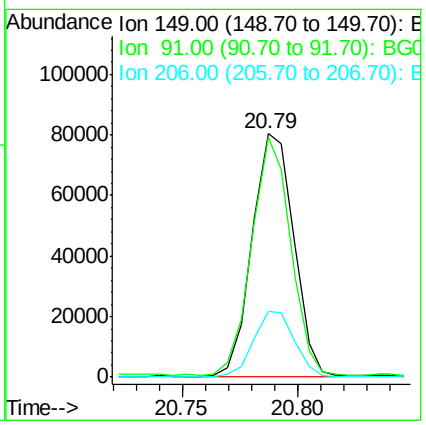


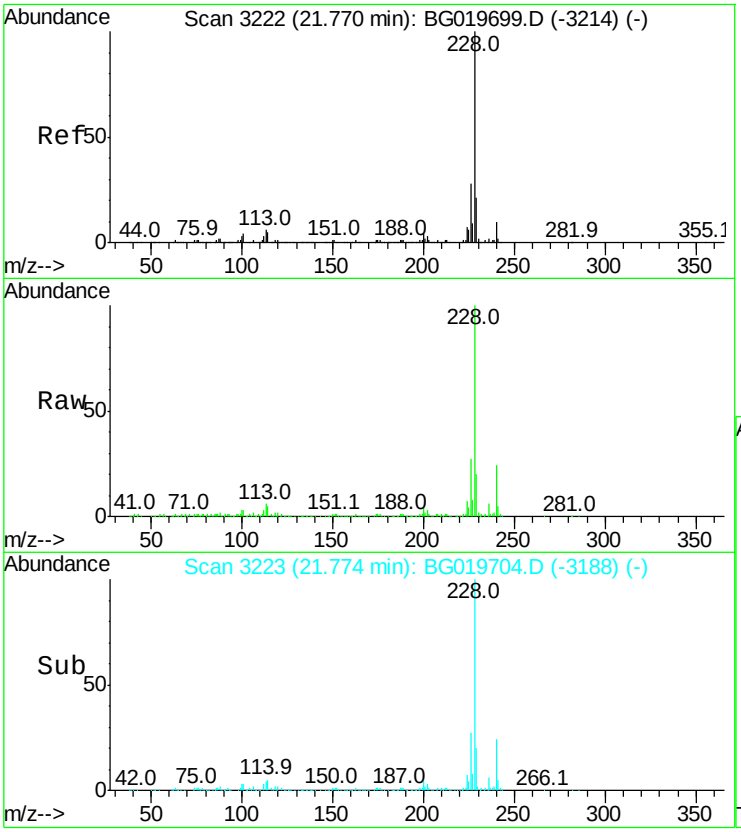


#81
Butylbenzylphthalate
Concen: 18.79 ng/ul
RT: 20.79 min Scan# 3055
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:149 Resp: 101639

Ion	Ratio	Lower	Upper
149	100		
91	98.4	71.1	106.7
206	27.2	20.4	30.6



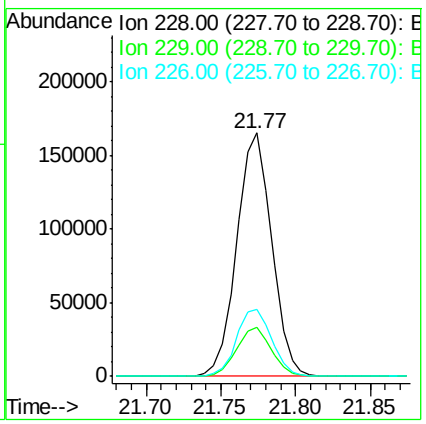


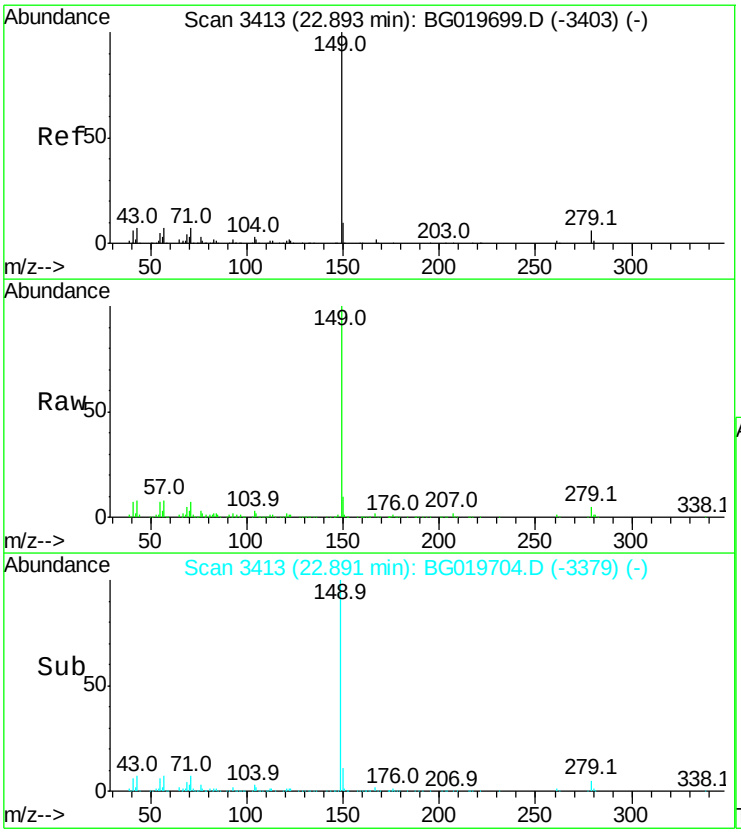
#83
Benzo(a)anthracene
Concen: 15.68 ng/ul
RT: 21.77 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:228 Resp: 267629

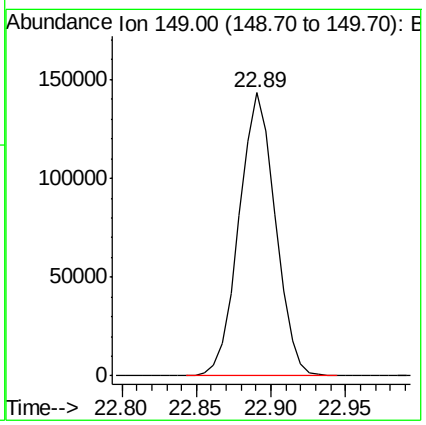
Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.7	23.5
226	27.3	22.6	33.8

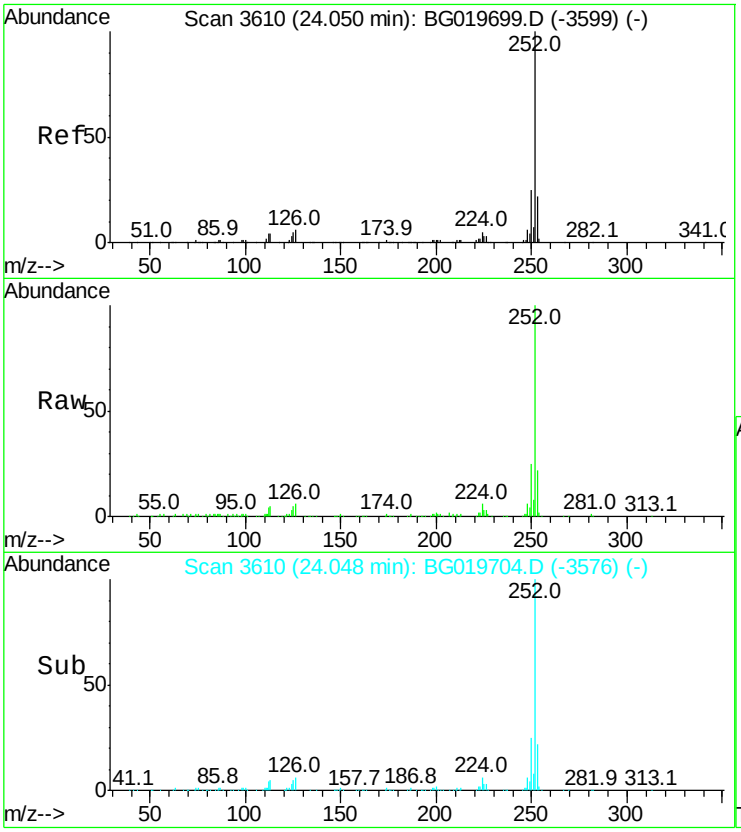




#87
Di-n-octyl phthalate
Concen: 18.07 ng/ul
RT: 22.89 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:149 Resp: 239634



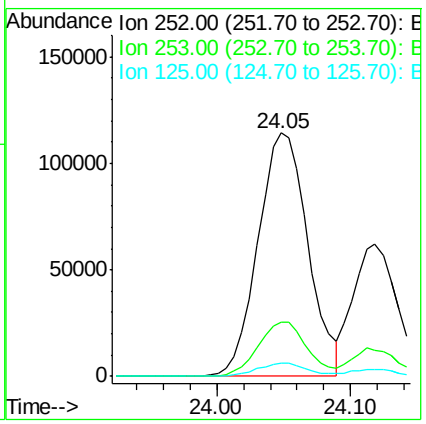


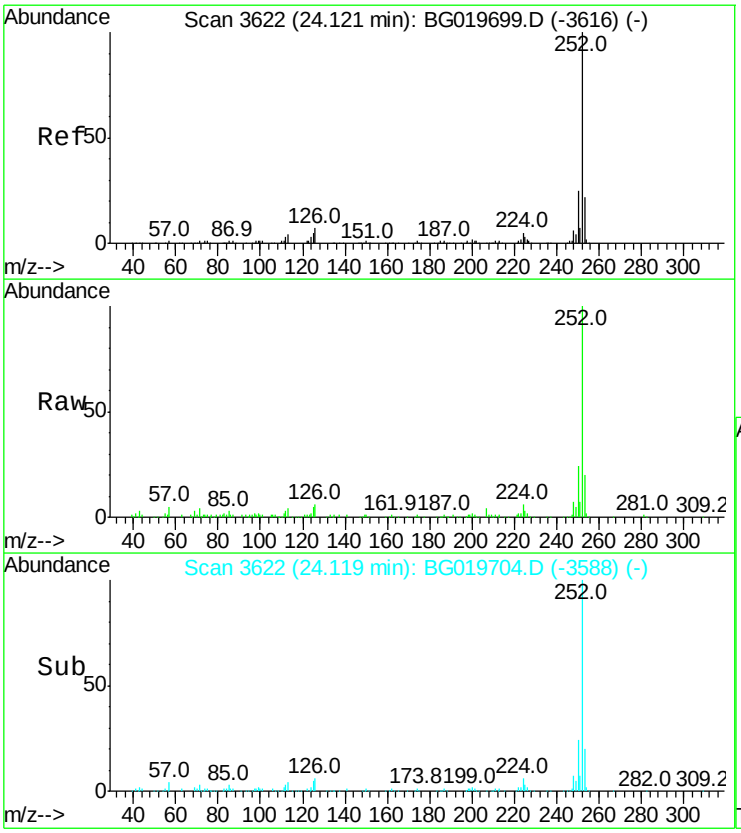
#88
Benzo(b)fluoranthene
Concen: 17.62 ng/ul
RT: 24.05 min Scan# 3610
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Instrument :
BNA_G
ClientSampleId :
A4HX9

Tgt Ion:252 Resp: 296401

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	5.2	4.2	6.4





#89
Benzo(k)fluoranthene
Concen: 8.64 ng/ul
RT: 24.12 min Scan# 3622
Delta R.T. -0.00 min
Lab File: BG019704.D
Acq: 19 Nov 2015 13:43

Tgt Ion:252 Resp: 140259

Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.1	25.7
125	5.2	4.4	6.6