Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047027.D
Acq On : 22 Oct 2020 11:35
Operator : CG/JU
Sample : L4425-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2P77

Quant Time: Oct 22 12:15:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 22 05:48:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	48893	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	193243	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	134268	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	321147	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	329311	20.00	ng/ul	0.00
86) Perylene-d12	24.94	264	337302	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	5107	4.21	ng/uL	0.00
5) Phenol-d5	7.22	99	132806	31.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	78576	32.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	101099	30.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	93001	27.47	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	51966	32.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	59158	31.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	114292	30.96	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	111419	35.39	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	379209	34.35	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	400965	30.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.87	143	53989	31.07	ng/ul	0.00
58) Fluorene-d10	15.68	176	336397	32.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	76065	34.34	ng/ul	0.00
71) Anthracene-d10	17.53	188	503078	32.32	ng/ul	0.00
79) Pyrene-d10	19.82	212	649507	34.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.72	264	642295	34.64	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.51	88	13554	10.429	ng/uL	89
12) 2,2'-oxybis(1-Chloropropan	8.58	45	102195	21.195	ng/ul#	96
20) Nitrobenzene	9.27	77	98194	22.452	ng/ul	95
23) 2-Nitrophenol	9.98	139	58184	29.984	ng/ul	99
25) Bis(2-Chloroethoxy)methane	10.27	93	85249	19.180	ng/ul	99
27) 2,4-Dichlorophenol	10.51	162	75002	21.539	ng/ul	95
28) Naphthalene	10.92	128	138811	12.786	ng/ul	96
33) 4-Chloro-3-methylphenol	12.14	107	236814	66.147	ng/ul	95
34) 2-Methylnaphthalene	12.53	142	247646	31.974	ng/ul	96
38) Hexachlorocyclopentadiene	12.87	237	90058	27.464	ng/ul	96
39) 2,4,6-Trichlorophenol	13.13	196	64317	20.169	ng/ul	92
42) 2-Chloronaphthalene	13.57	162	207901	24.333	ng/ul	100
46) 2,6-Dinitrotoluene	14.26	165	35301	14.721	ng/ul	91
48) Acenaphthylene	14.41	152	246996	20.214	ng/ul	98
50) Acenaphthene	14.75	153	136301	15.418	ng/ul	99
55) 2,4-Dinitrotoluene	15.05	165	116136	35.257	ng/ul#	98
56) 2,3,4,6-Tetrachlorophenol	15.31	232	137492	40.072	ng/ul	92
59) Fluorene	15.74	166	152659	14.456	ng/ul	93
60) 4-Chlorophenyl-phenylether	15.73	204	146892	24.244	ng/ul	98
64) 4,6-Dinitro-2-methylphenol	15.81	198	244387	107.035	ng/ul	95
66) 4-Bromophenyl-phenylether	16.62	248	128261	30.109	ng/ul	100
67) Hexachlorobenzene	16.75	284	134835	29.905	ng/ul	98
70) Phenanthrene	17.48	178	286102	15.884	ng/ul	100

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047027.D
Acq On : 22 Oct 2020 11:35
Operator : CG/JU
Sample : L4425-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2P77

Quant Time: Oct 22 12:15:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 22 05:48:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
72) Anthracene	17.57	178	336966	18.616 ng/ul	98
77) Fluoranthene	19.48	202	873322	40.284 ng/ul	99
80) Pyrene	19.85	202	354818	15.745 ng/ul	99
83) Benzo(a)anthracene	21.69	228	362433	16.246 ng/ul	99
85) Chrysene	21.75	228	331574	15.448 ng/ul	98
88) Benzo(b)fluoranthene	23.91	252	1099563	49.074 ng/ul	99
89) Benzo(k)fluoranthene	23.98	252	322740	14.865 ng/ul	98
91) Benzo(a)pyrene	24.79	252	279180	13.837 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.62	276	414309	16.523 ng/ul	95
93) Dibenzo(a,h)anthracene	28.69	278	410365	20.176 ng/ul	100
94) Benzo(g,h,i)perylene	29.78	276	365350	17.434 ng/ul	95

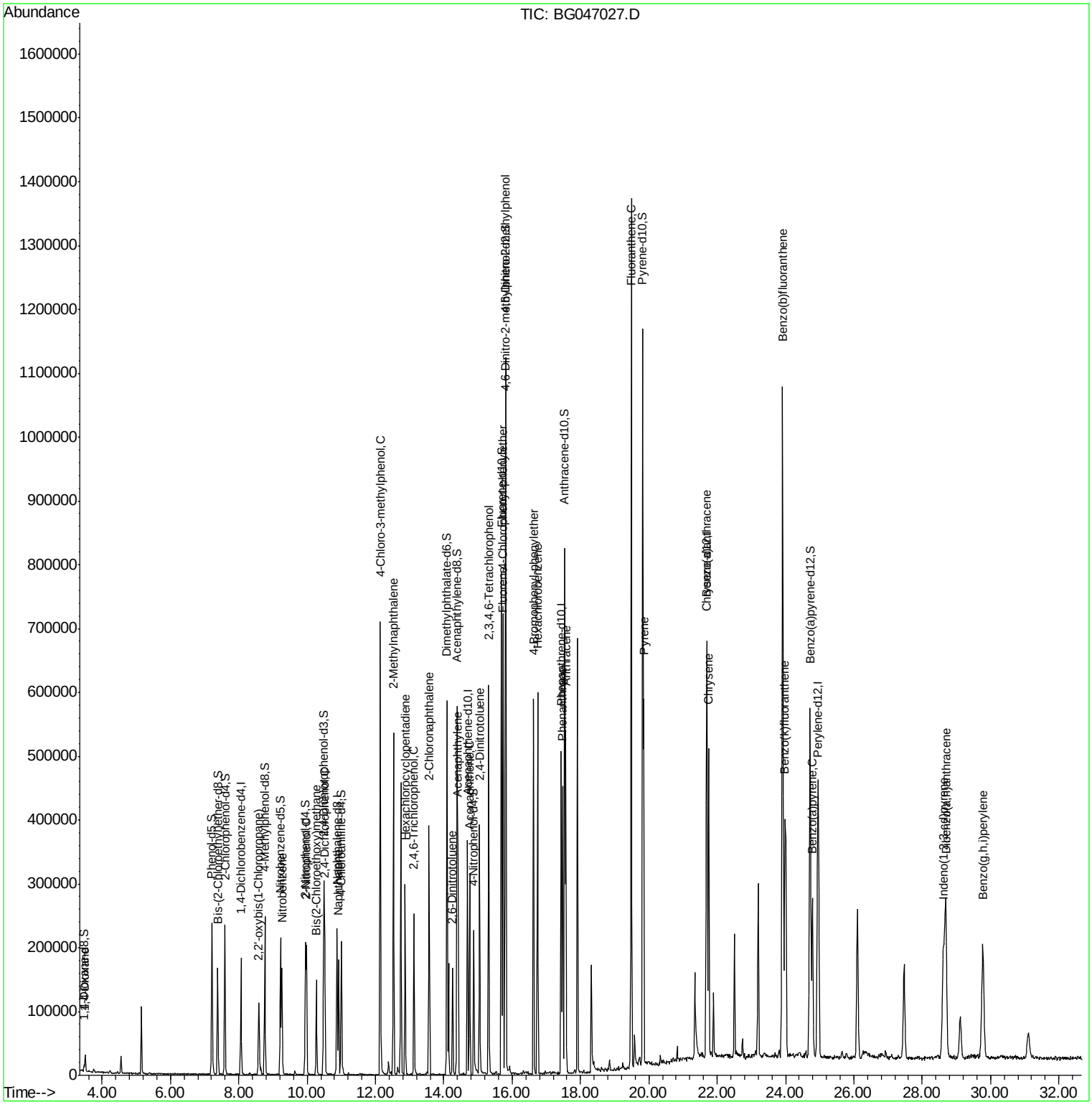
(#) = qualifier out of range (m) = manual integration (+) = signals summed

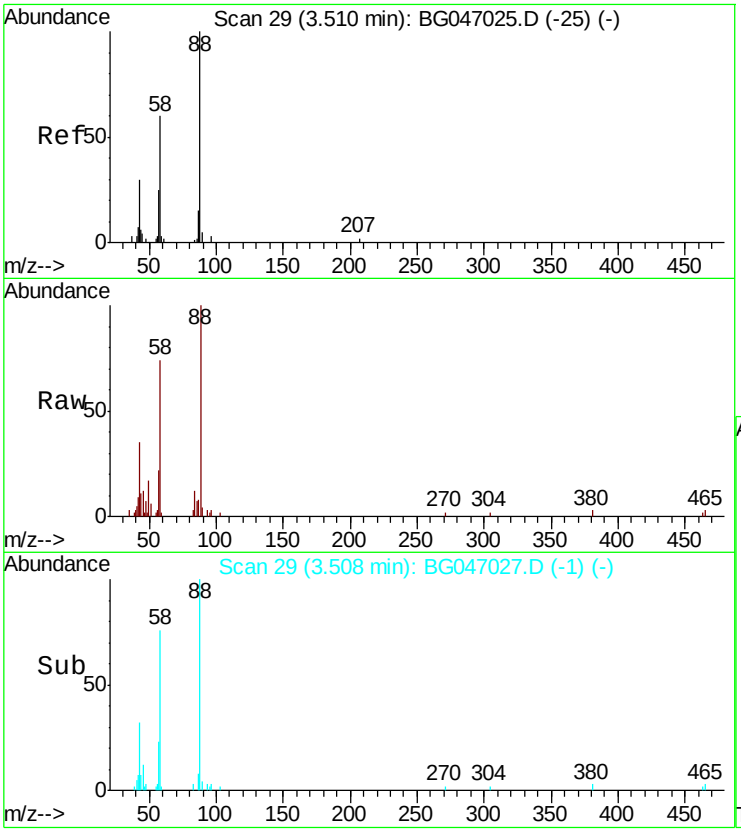
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047027.D
Acq On : 22 Oct 2020 11:35
Operator : CG/JU
Sample : L4425-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
X2P77

Quant Time: Oct 22 12:15:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 22 05:48:14 2020
Response via : Initial Calibration



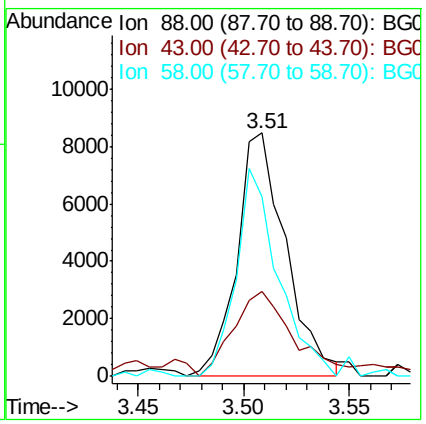


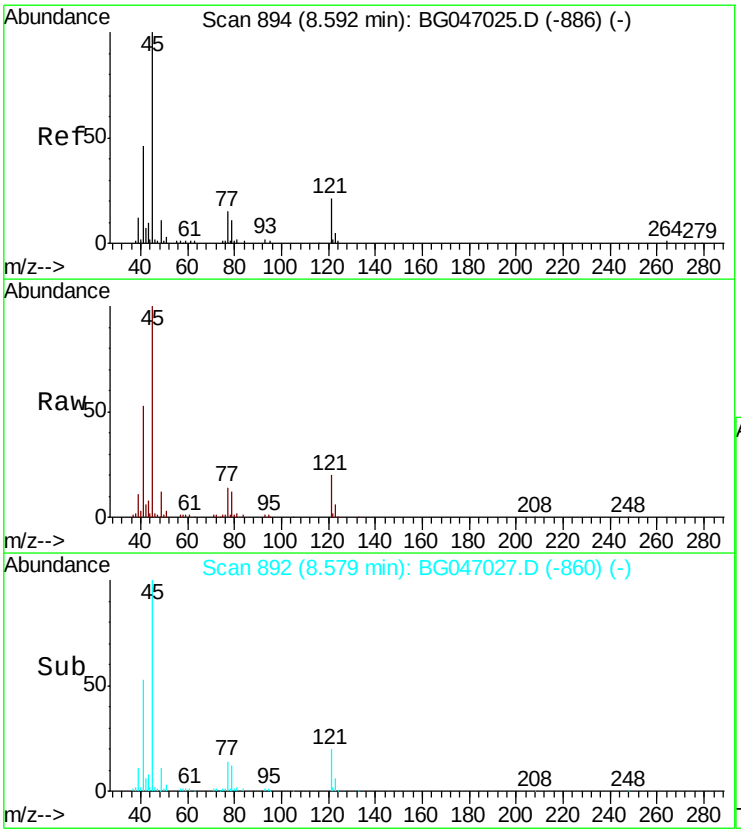
#2
1,4-Dioxane
Concen: 10.429 ng/uL
RT: 3.51 min Scan# 29
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion: 88 Resp: 13554

Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.4	42.6
58	73.9	70.7	106.1

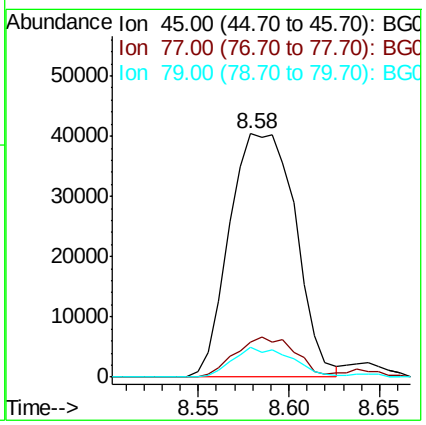


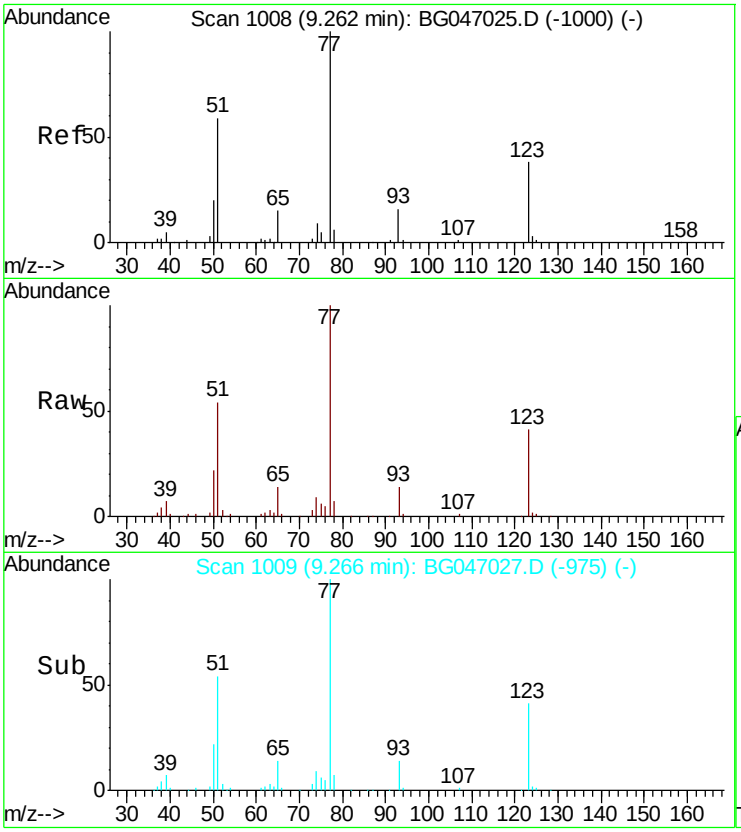


#12
2,2'-oxybis(1-Chloropropane)
Concen: 21.195 ng/ul
RT: 8.58 min Scan# 892
Delta R.T. -0.01 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion: 45 Resp: 102195

Ion	Ratio	Lower	Upper
45	100		
77	14.3	9.4	14.2#
79	12.3	9.2	13.8



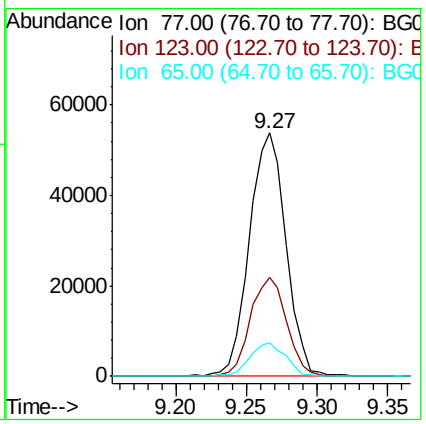


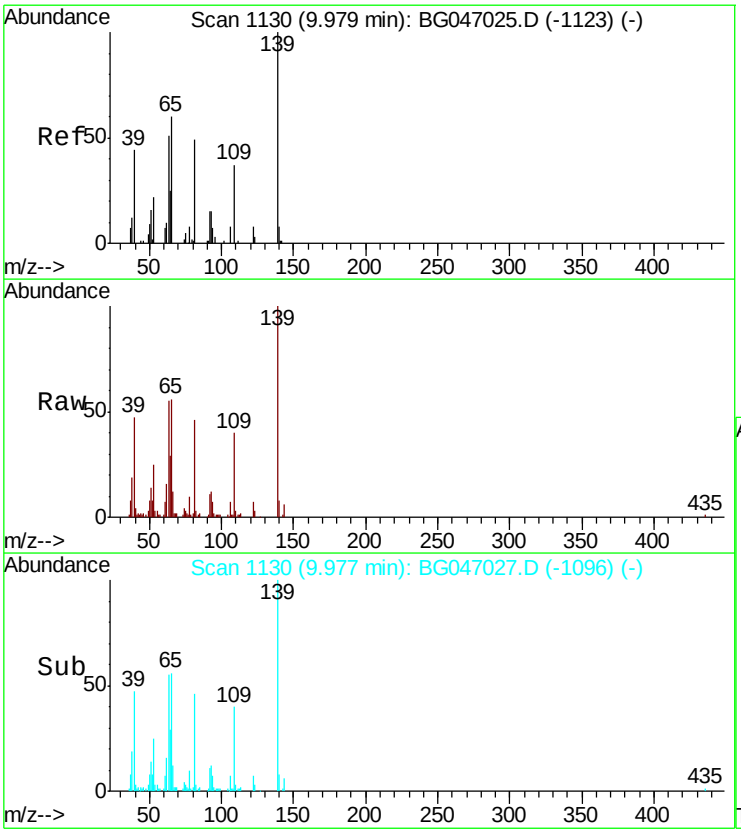
#20
Nitrobenzene
Concen: 22.452 ng/ul
RT: 9.27 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion: 77 Resp: 98194

Ion	Ratio	Lower	Upper
77	100		
123	40.7	29.8	44.6
65	14.0	12.5	18.7

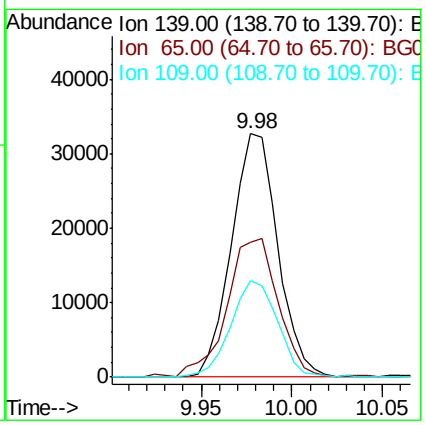


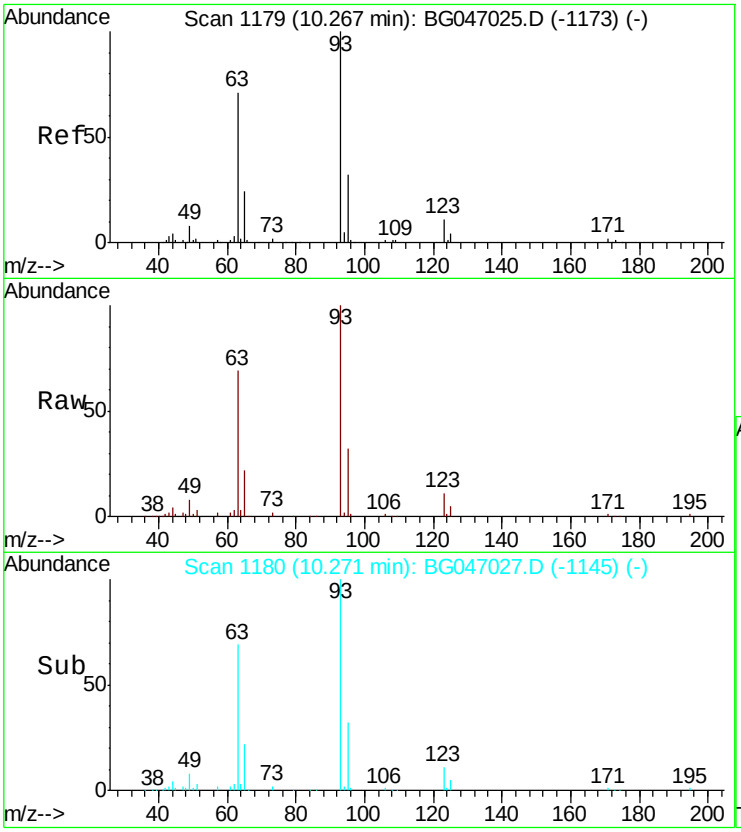


#23
2-Nitrophenol
Concen: 29.984 ng/ul
RT: 9.98 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:139 Resp: 58184

Ion	Ratio	Lower	Upper
139	100		
65	55.6	45.0	67.6
109	39.8	32.7	49.1



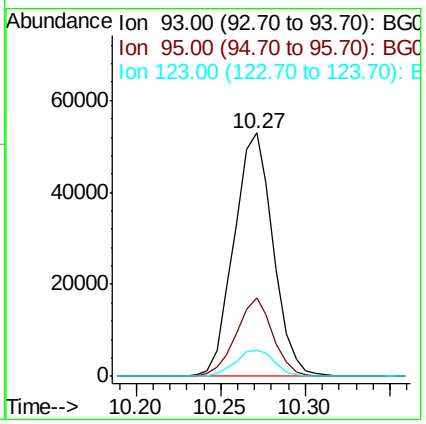


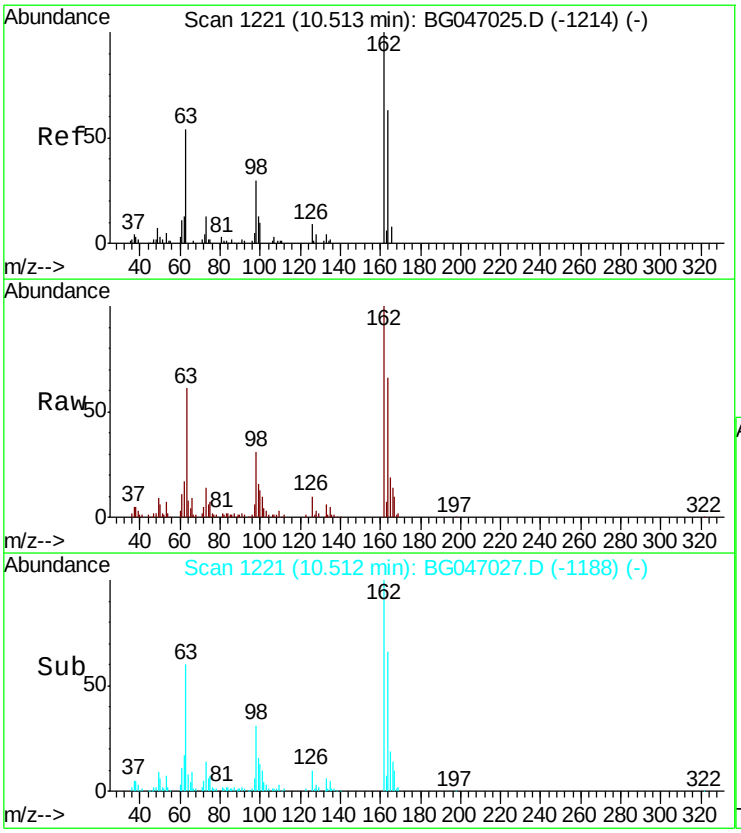
#25
Bis(2-Chloroethoxy)methane
Concen: 19.180 ng/ul
RT: 10.27 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion: 93 Resp: 85249

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.2
123	10.6	8.4	12.6

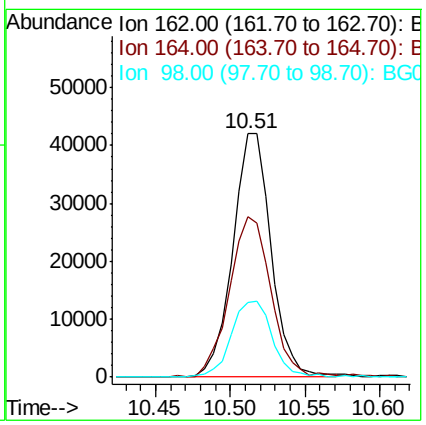


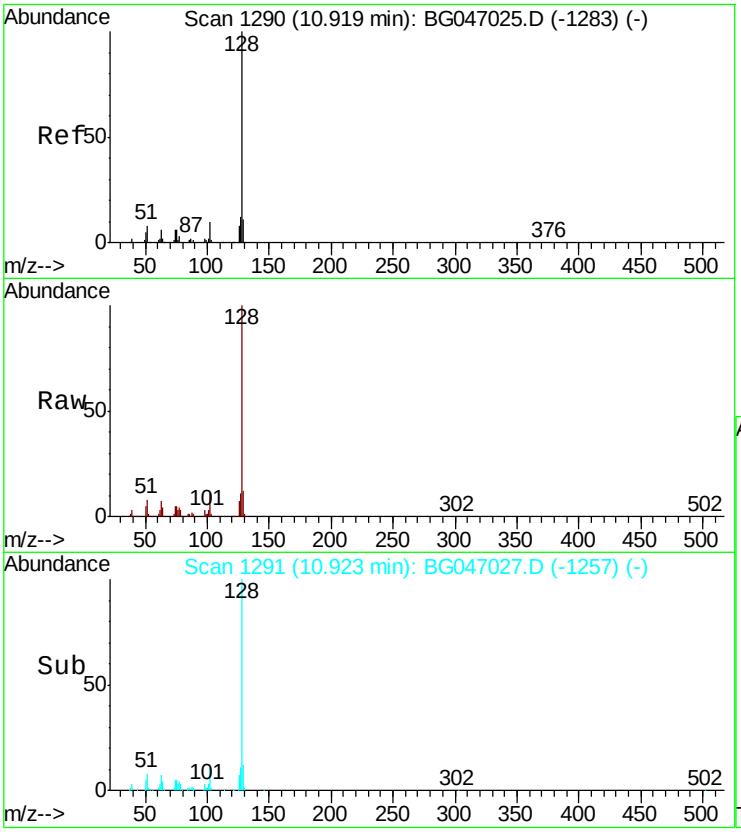


#27
2,4-Dichlorophenol
Concen: 21.539 ng/ul
RT: 10.51 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:162 Resp: 75002

Ion	Ratio	Lower	Upper
162	100		
164	66.0	48.6	73.0
98	30.9	25.0	37.6



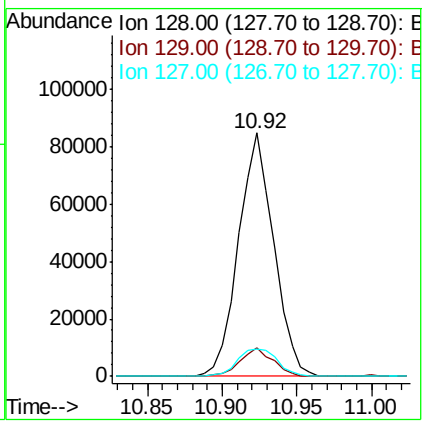


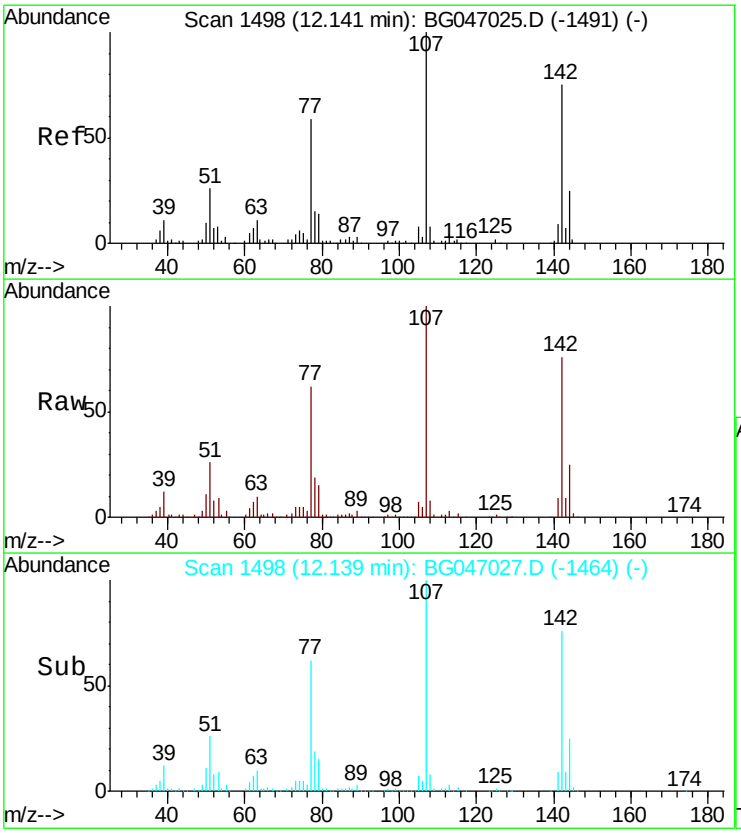
#28
Naphthalene
Concen: 12.786 ng/ul
RT: 10.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:128 Resp: 138811

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	11.0	11.0	16.4

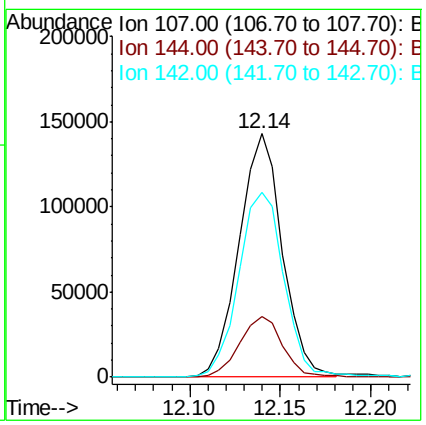


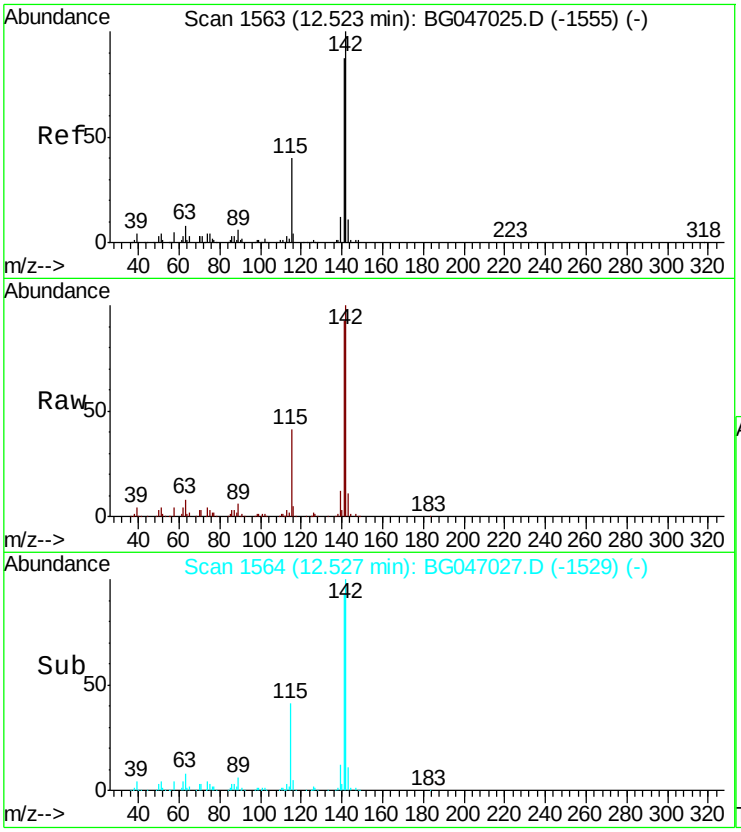


#33
4-Chloro-3-methylphenol
Concen: 66.147 ng/ul
RT: 12.14 min Scan# 1498
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:107 Resp: 236814

Ion	Ratio	Lower	Upper
107	100		
144	25.1	18.2	27.4
142	75.7	57.0	85.4



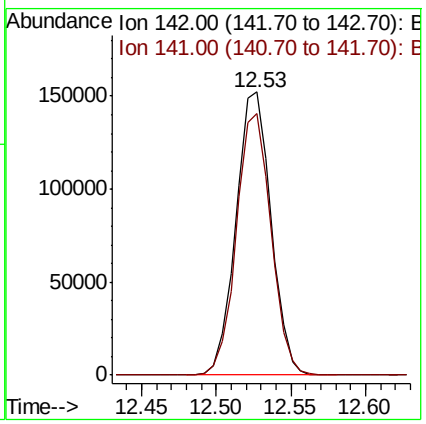


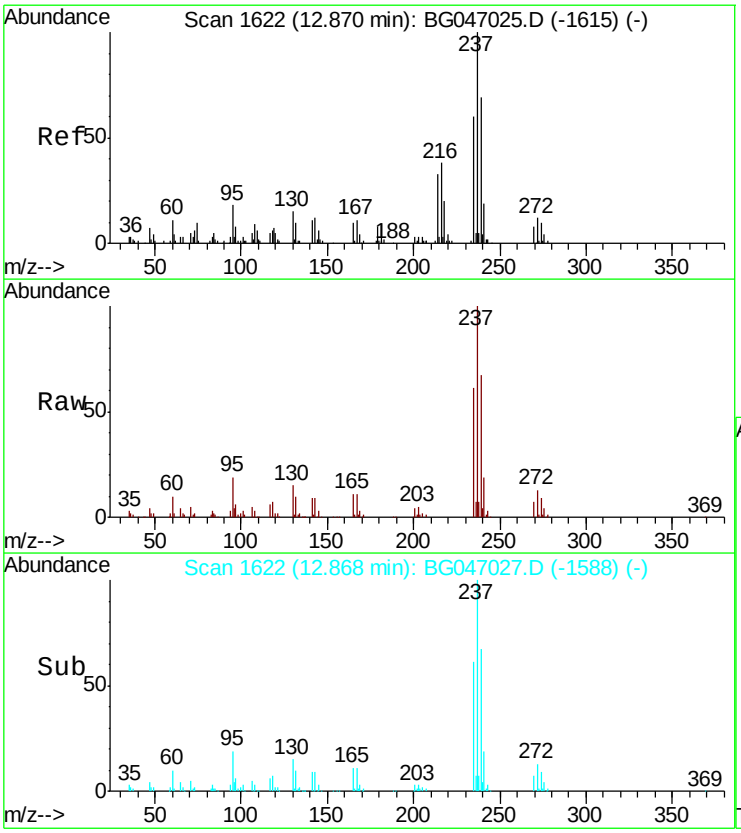
#34
2-Methylnaphthalene
Concen: 31.974 ng/ul
RT: 12.53 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:142 Resp: 247646

Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.0	106.6

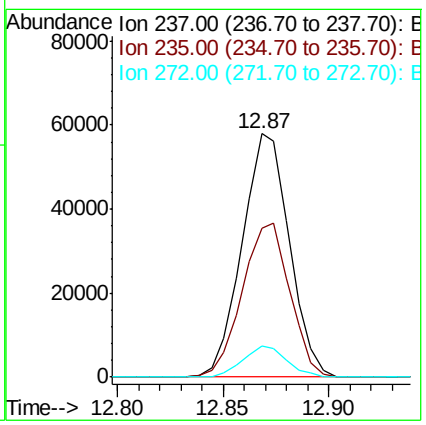


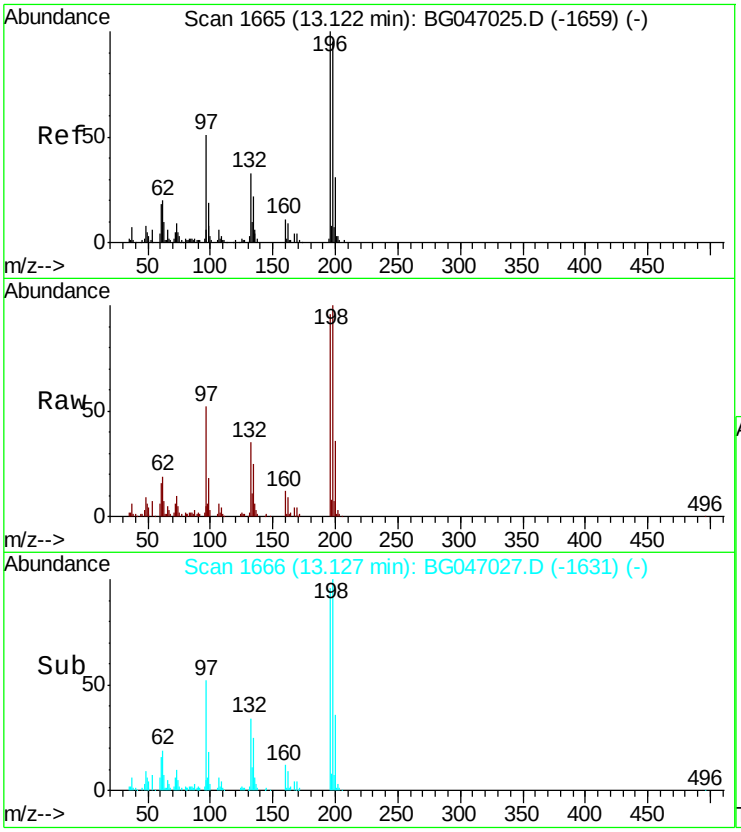


#38
Hexachlorocyclopentadiene
Concen: 27.464 ng/ul
RT: 12.87 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:237 Resp: 90058

Ion	Ratio	Lower	Upper
237	100		
235	61.1	51.2	76.8
272	13.6	9.9	14.9



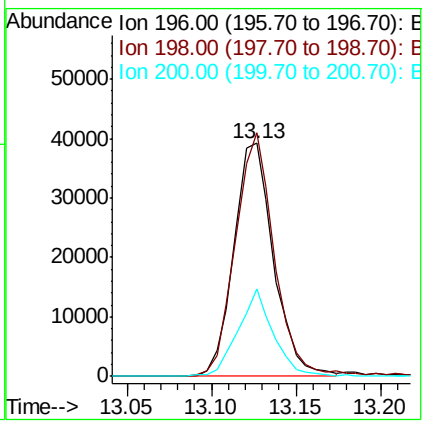


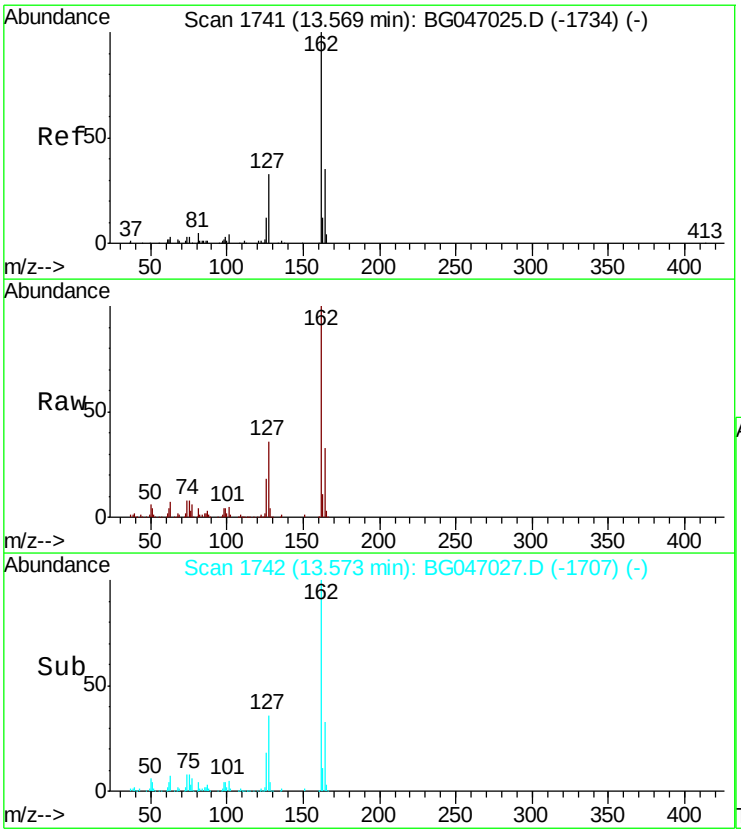
#39
2,4,6-Trichlorophenol
Concen: 20.169 ng/ul
RT: 13.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:196 Resp: 64317

Ion	Ratio	Lower	Upper
196	100		
198	104.5	77.8	116.6
200	37.3	26.1	39.1

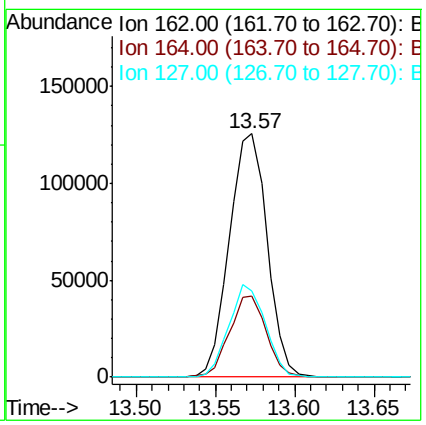


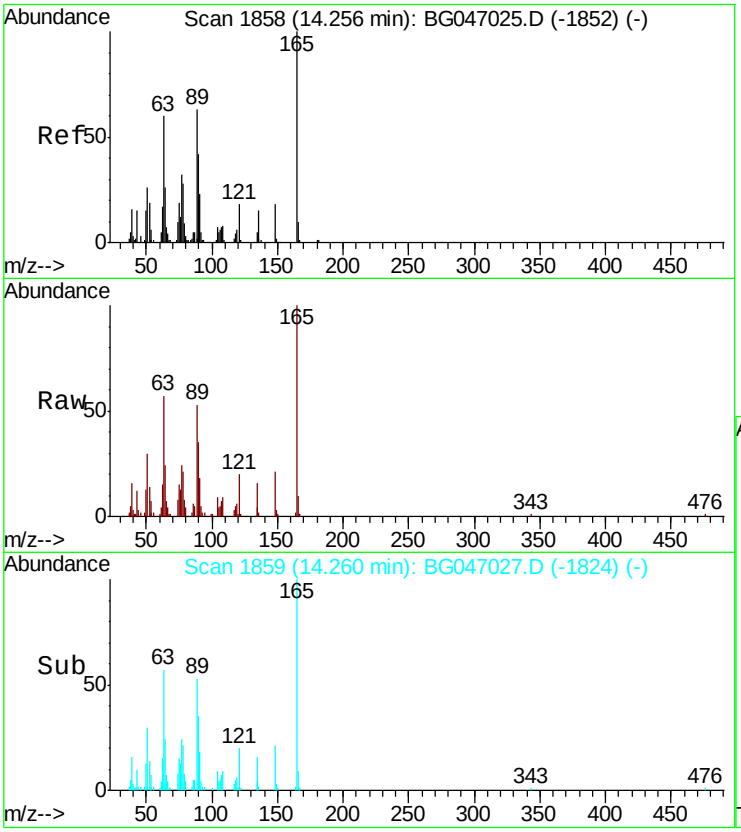


#42
2-Chloronaphthalene
Concen: 24.333 ng/ul
RT: 13.57 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:162 Resp: 207901

Ion	Ratio	Lower	Upper
162	100		
164	33.0	26.5	39.7
127	35.7	28.6	42.8



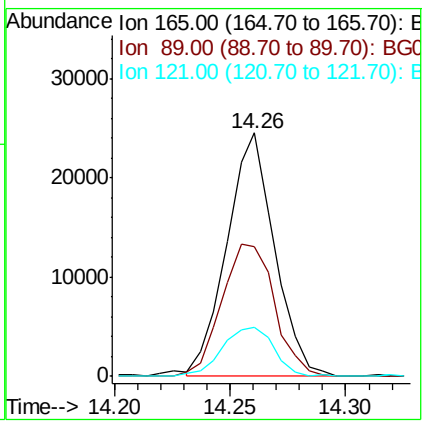


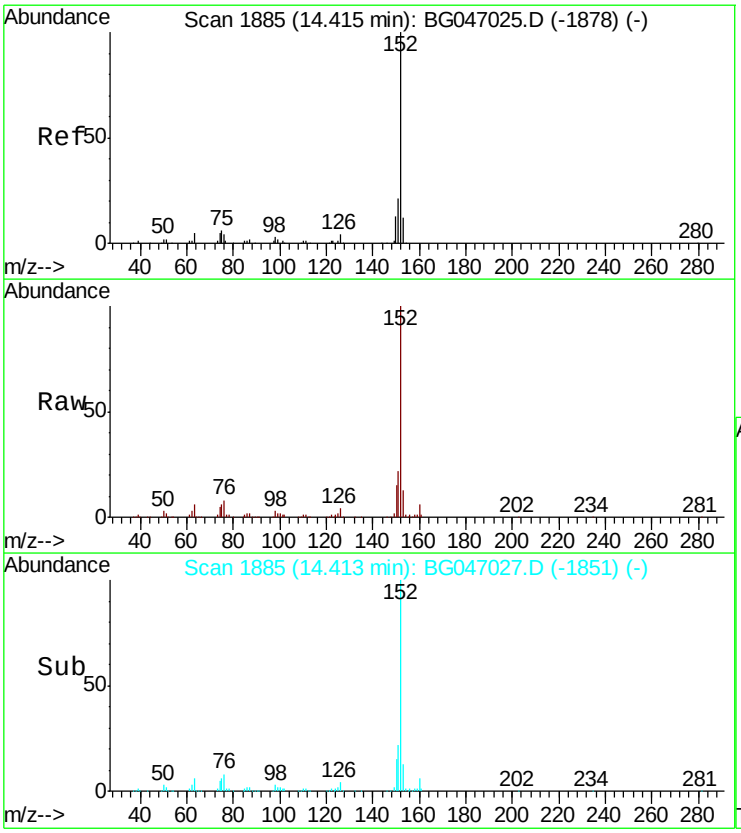
#46
2,6-Dinitrotoluene
Concen: 14.721 ng/ul
RT: 14.26 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:165 Resp: 35301

Ion	Ratio	Lower	Upper
165	100		
89	53.1	49.0	73.6
121	20.1	15.3	22.9

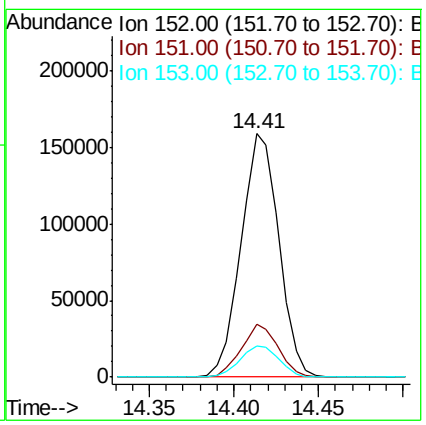


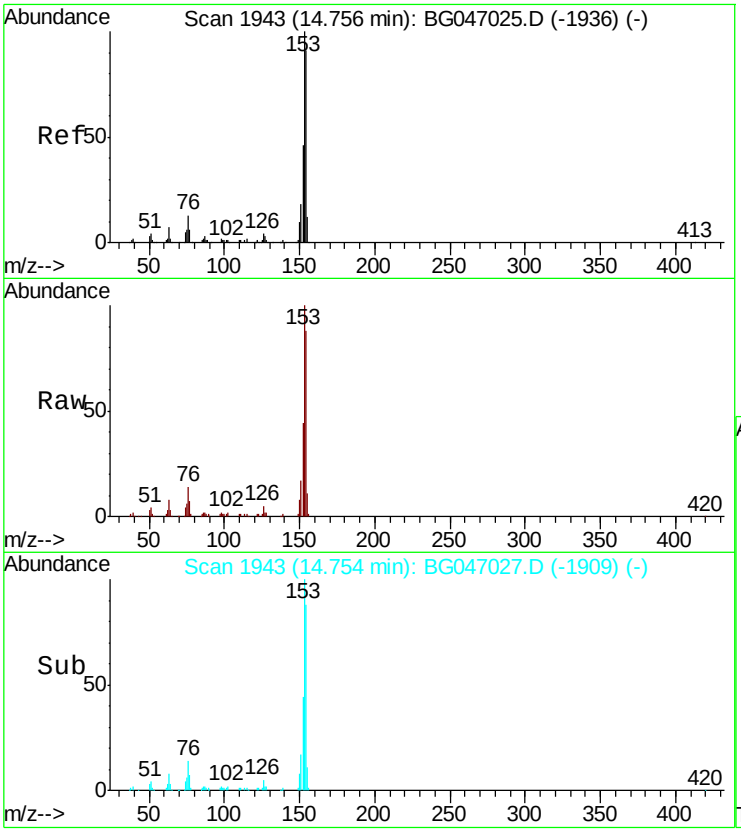


#48
Acenaphthylene
Concen: 20.214 ng/ul
RT: 14.41 min Scan# 1885
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:152 Resp: 246996

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.8	25.2
153	13.0	11.3	16.9



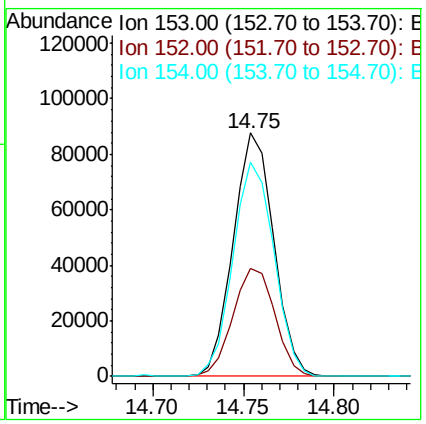


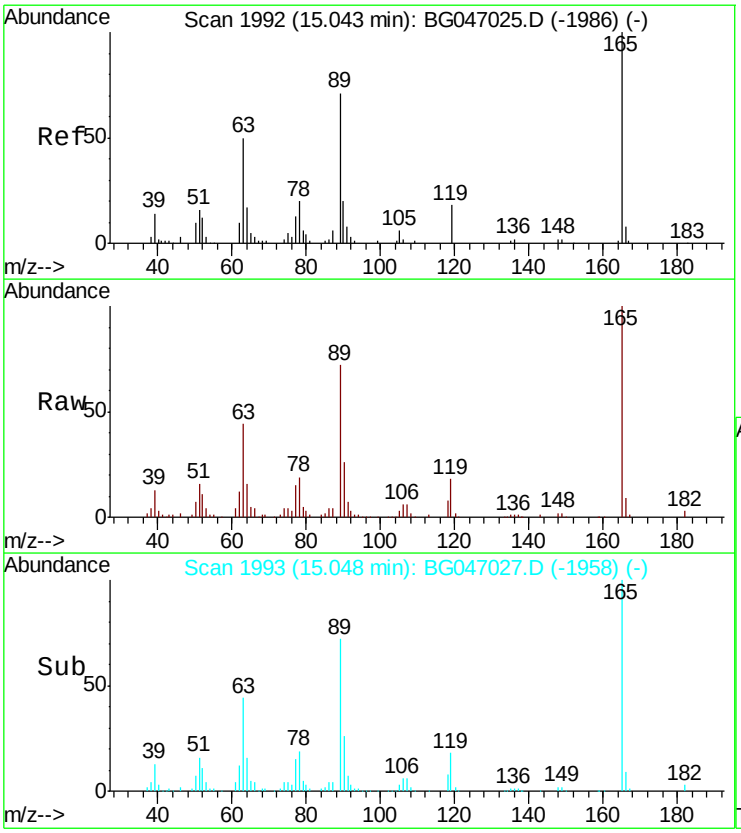
#50
Acenaphthene
Concen: 15.418 ng/ul
RT: 14.75 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:153 Resp: 136301

Ion	Ratio	Lower	Upper
153	100		
152	44.4	36.6	54.8
154	88.2	71.0	106.4

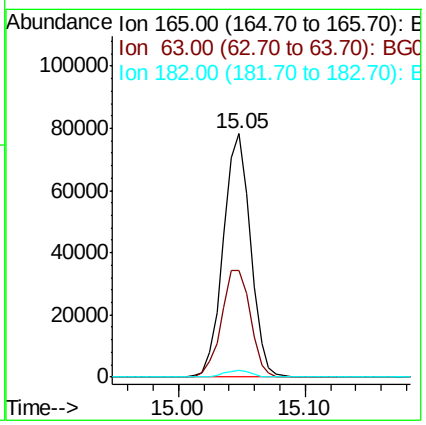


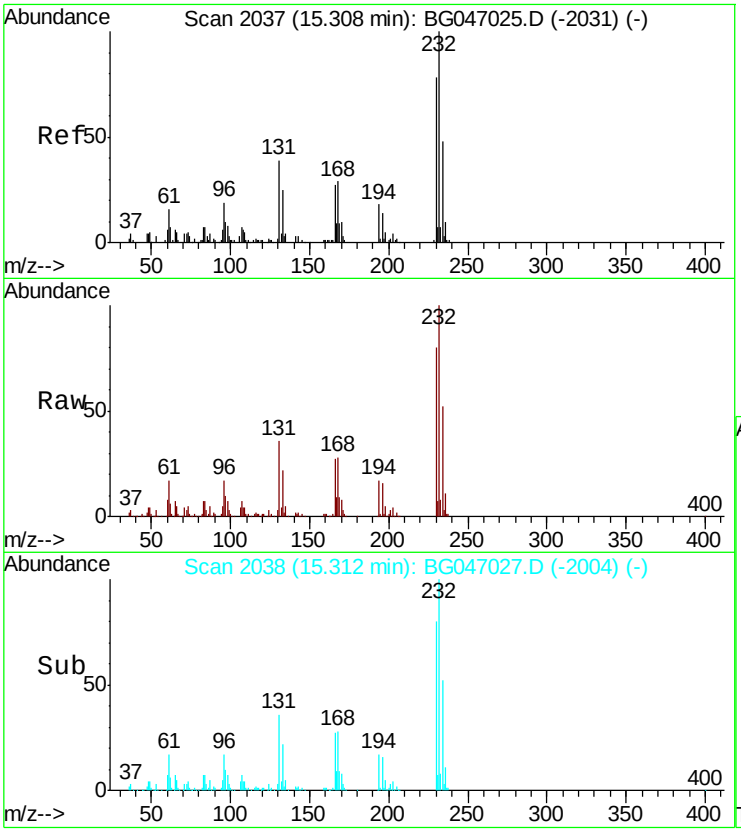


#55
2,4-Dinitrotoluene
Concen: 35.257 ng/ul
RT: 15.05 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:165 Resp: 116136

Ion	Ratio	Lower	Upper
165	100		
63	43.7	36.1	54.1
182	2.5	2.8	4.2#



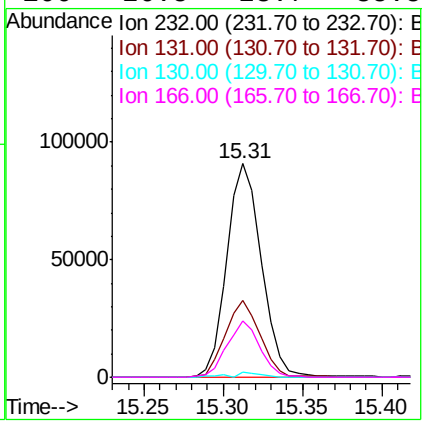


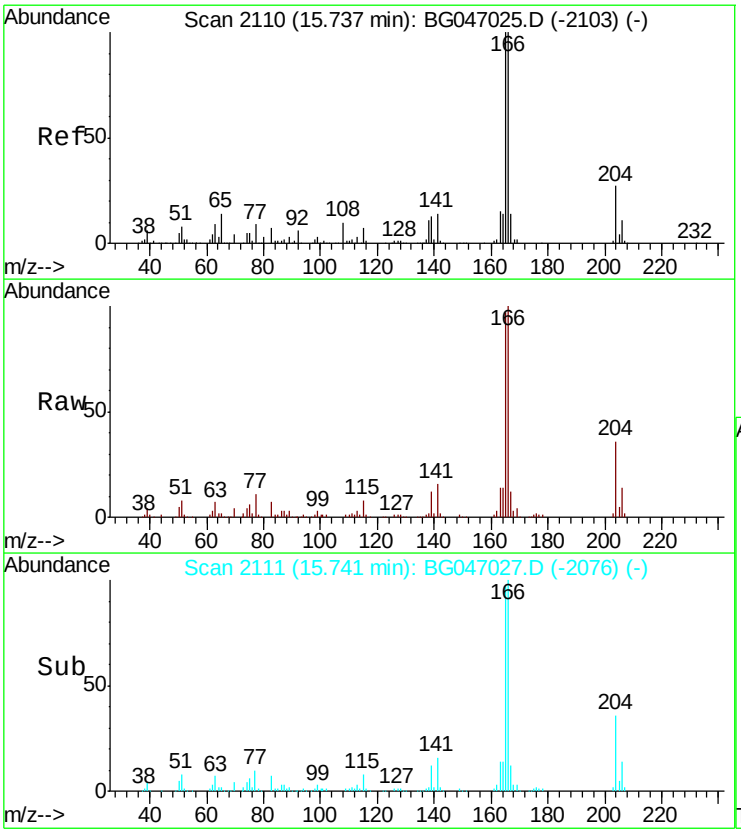
#56
2,3,4,6-Tetrachlorophenol
Concen: 40.072 ng/ul
RT: 15.31 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:232 Resp: 137492

Ion	Ratio	Lower	Upper
232	100		
131	35.8	33.8	50.6
130	2.6	1.9	2.9
166	26.5	23.7	35.5

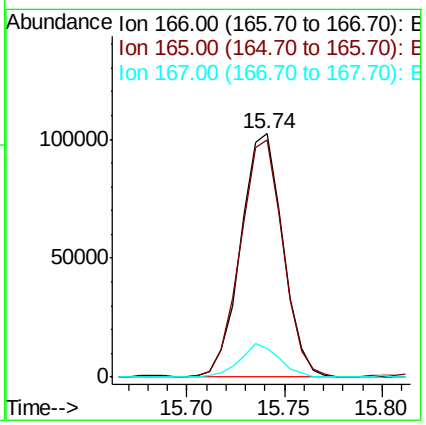


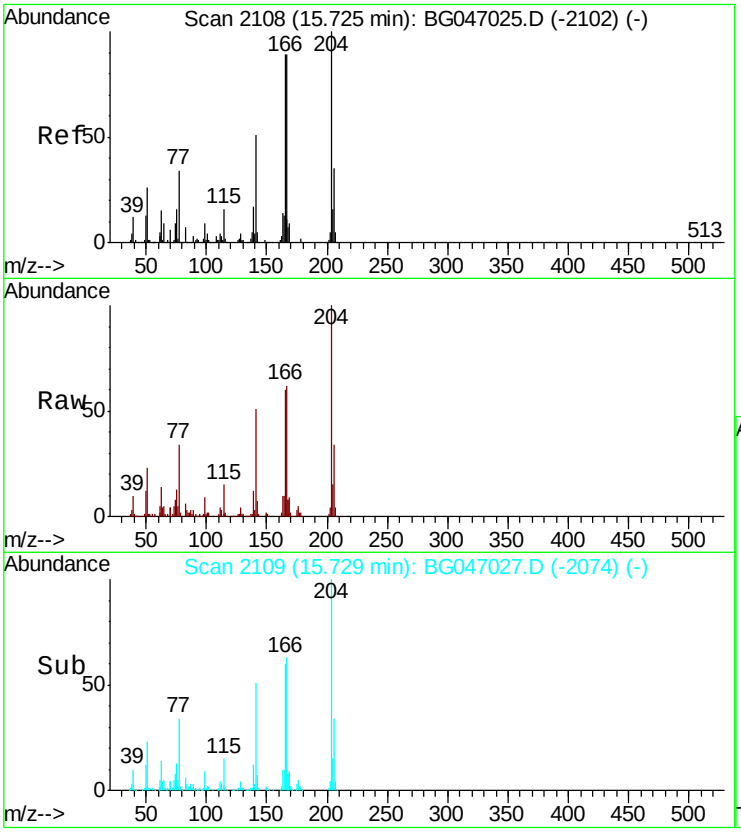


#59
Fluorene
Concen: 14.456 ng/ul
RT: 15.74 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:166 Resp: 152659

Ion	Ratio	Lower	Upper
166	100		
165	97.2	72.6	108.8
167	11.8	10.7	16.1



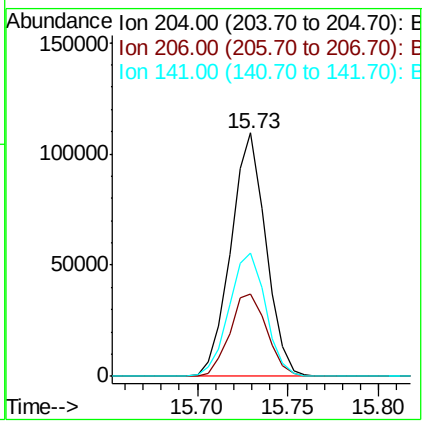


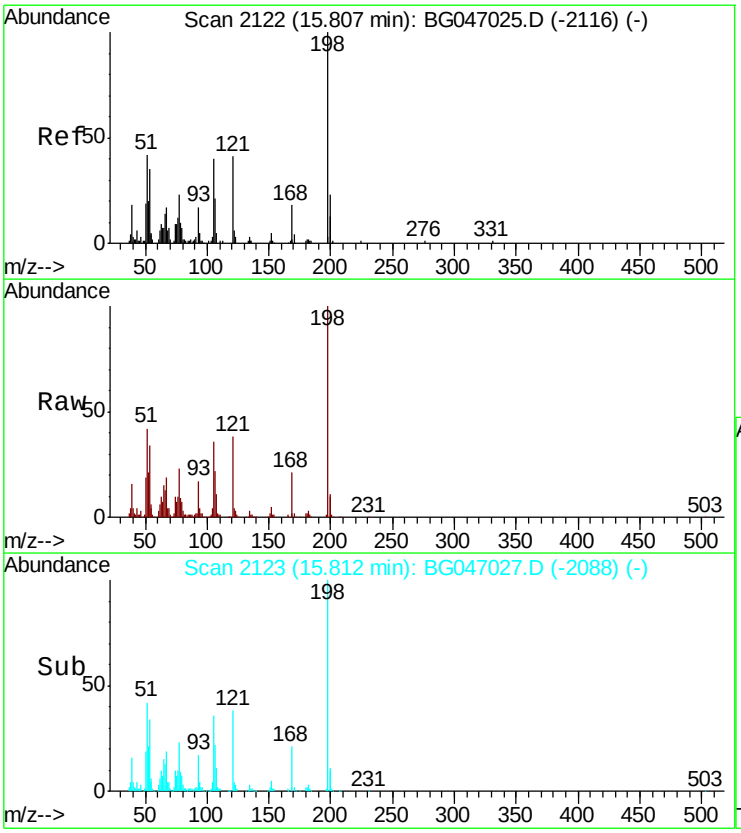
#60
4-Chlorophenyl-phenylether
Concen: 24.244 ng/ul
RT: 15.73 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:204 Resp: 146892

Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.0	40.6
141	50.8	41.9	62.9

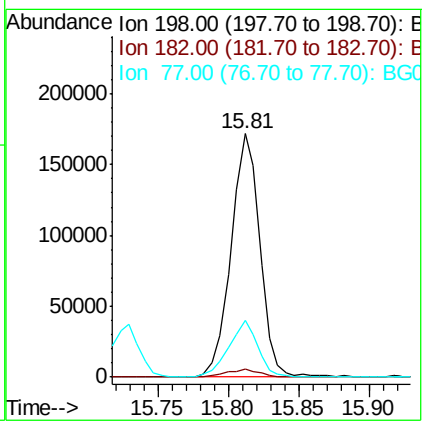


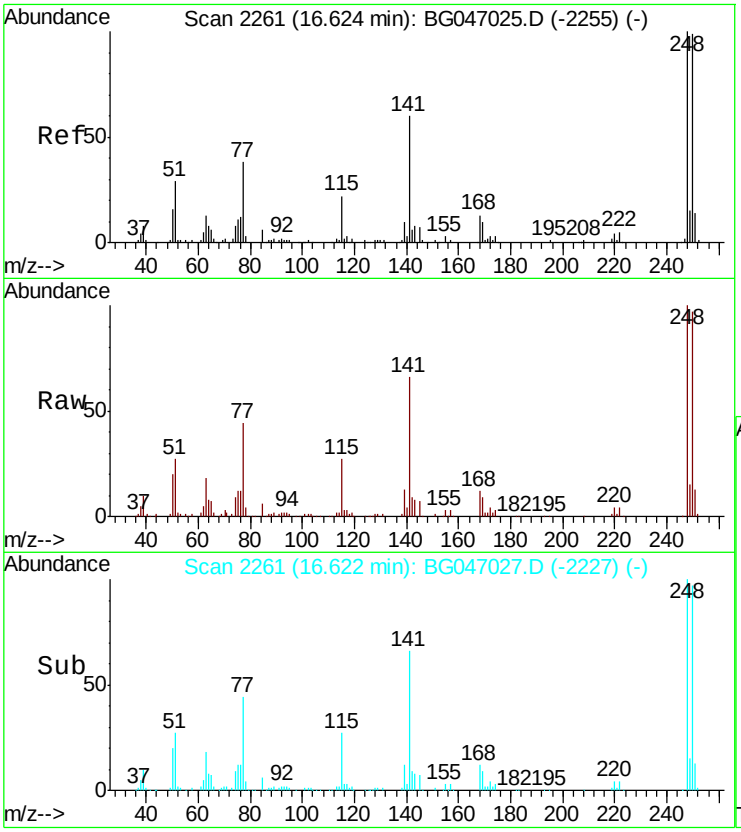


#64
4,6-Dinitro-2-methylphenol
Concen: 107.035 ng/ul
RT: 15.81 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:198 Resp: 244387

Ion	Ratio	Lower	Upper
198	100		
182	3.3	2.4	3.6
77	23.4	16.6	24.8



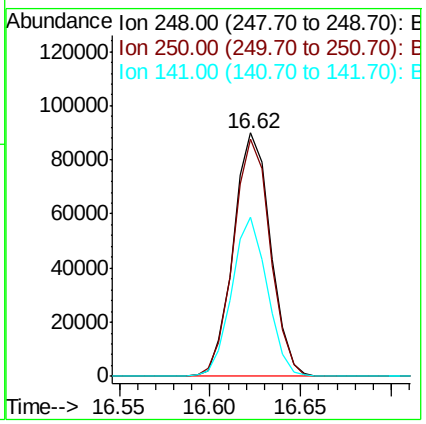


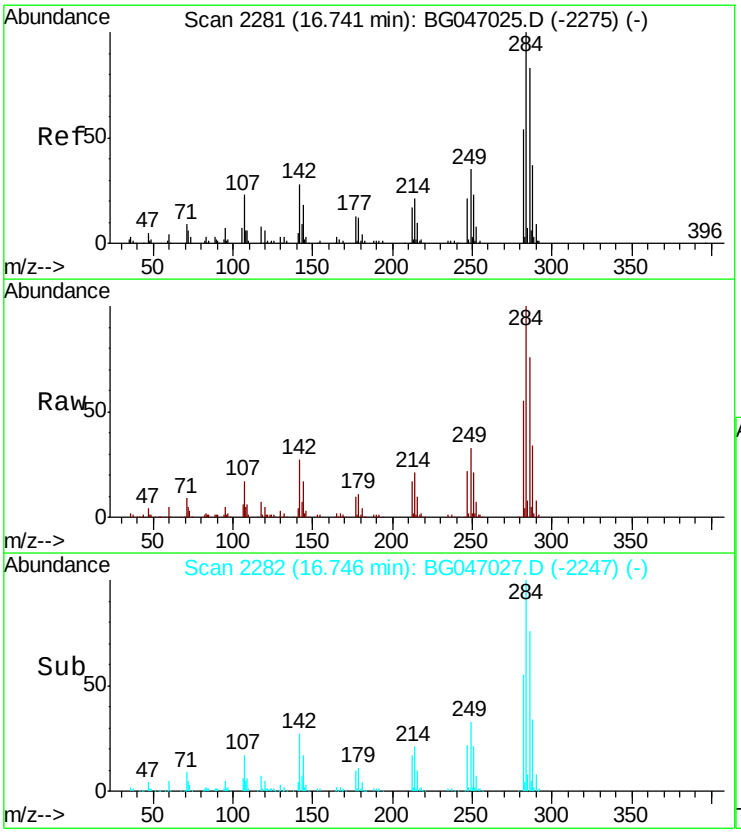
#66
4-Bromophenyl-phenylether
Concen: 30.109 ng/ul
RT: 16.62 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:248 Resp: 128261

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.6	116.4
141	65.6	52.3	78.5

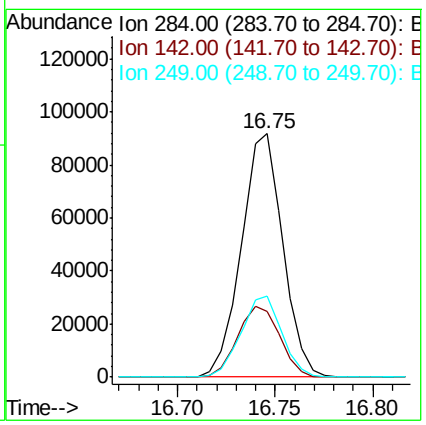


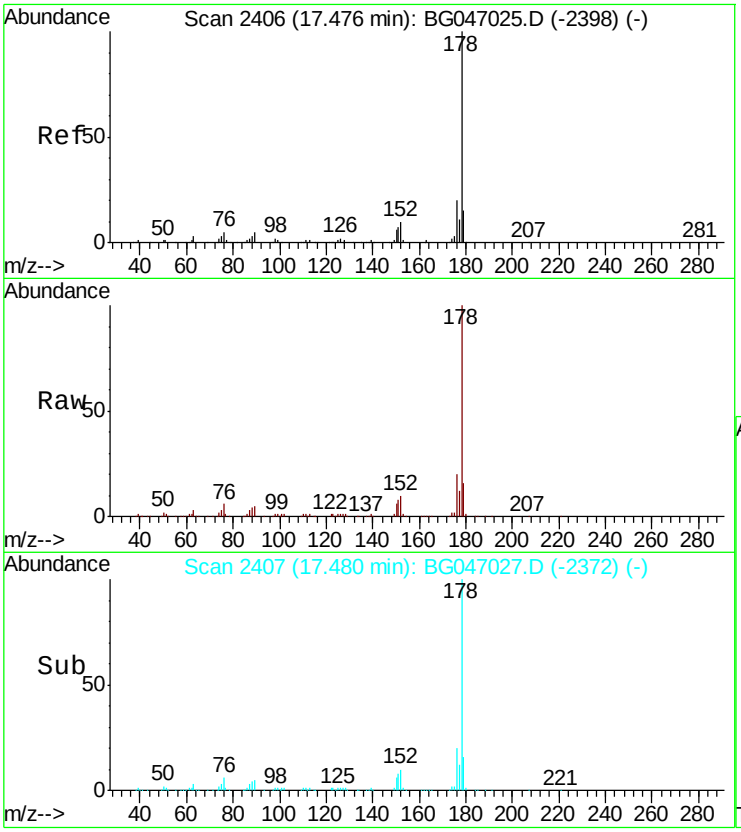


#67
Hexachlorobenzene
Concen: 29.905 ng/ul
RT: 16.75 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:284 Resp: 134835

Ion	Ratio	Lower	Upper
284	100		
142	26.9	22.2	33.2
249	33.4	27.5	41.3



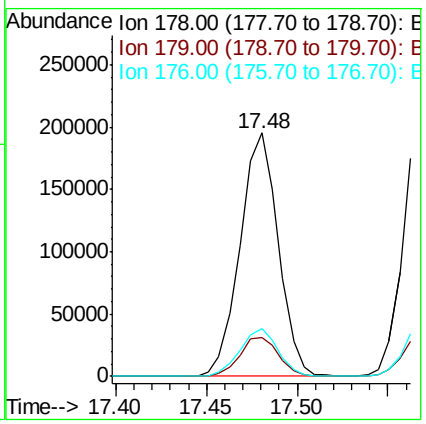


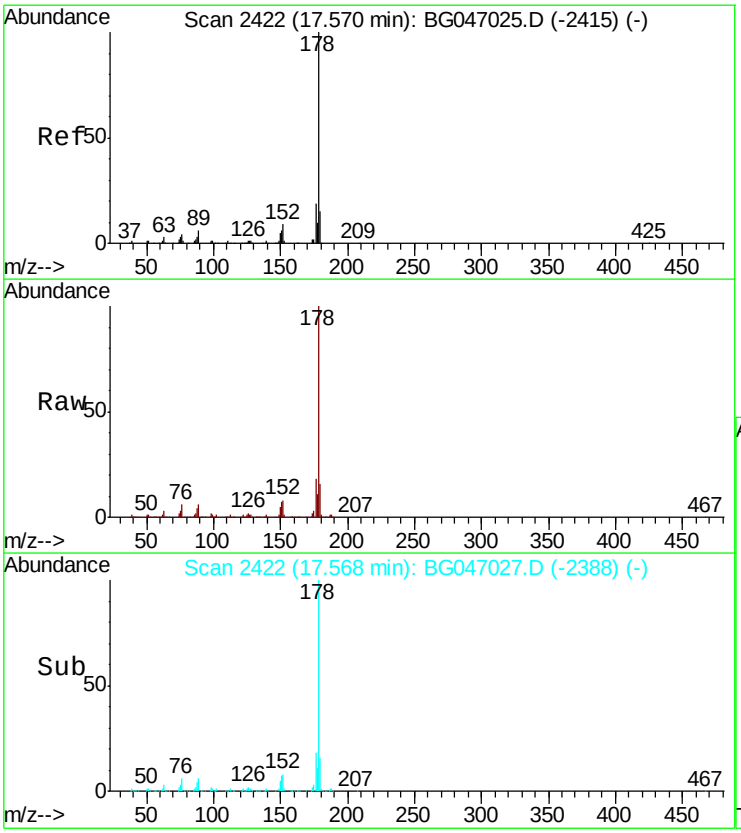
#70
Phenanthrene
Concen: 15.884 ng/ul
RT: 17.48 min Scan# 2407
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:178 Resp: 286102

Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.0	19.4
176	19.7	15.5	23.3

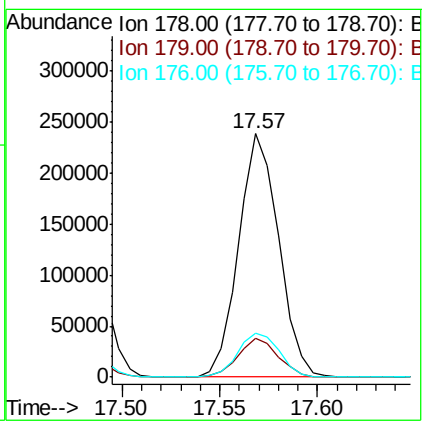


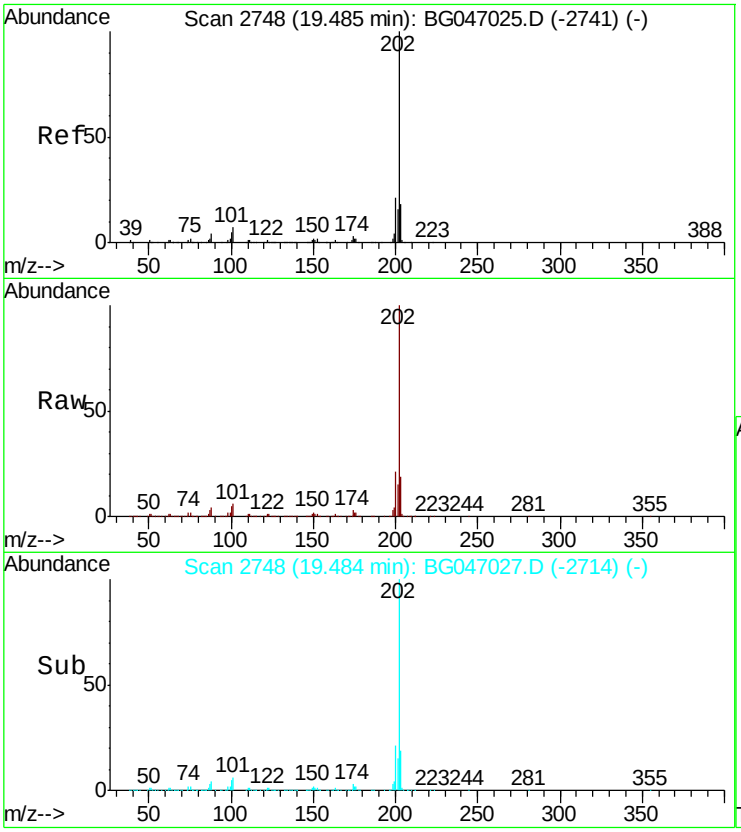


#72
Anthracene
Concen: 18.616 ng/ul
RT: 17.57 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:178 Resp: 336966

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.6
176	18.2	14.7	22.1



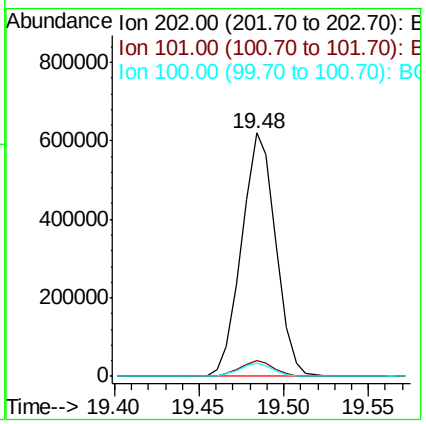


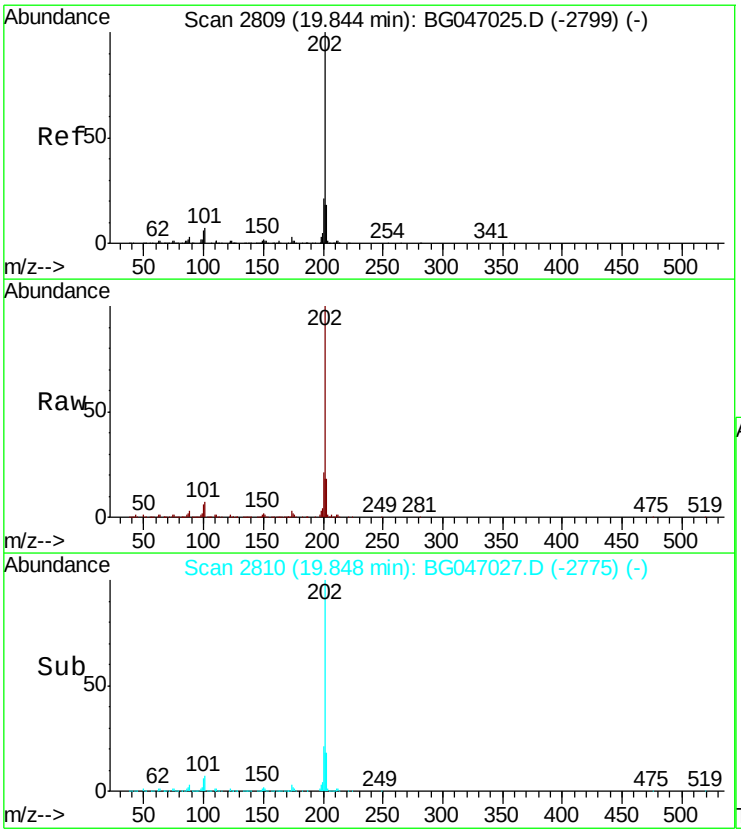
#77
Fluoranthene
Concen: 40.284 ng/ul
RT: 19.48 min Scan# 2748
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:202 Resp: 873322

Ion	Ratio	Lower	Upper
202	100		
101	6.4	4.9	7.3
100	5.2	4.2	6.4

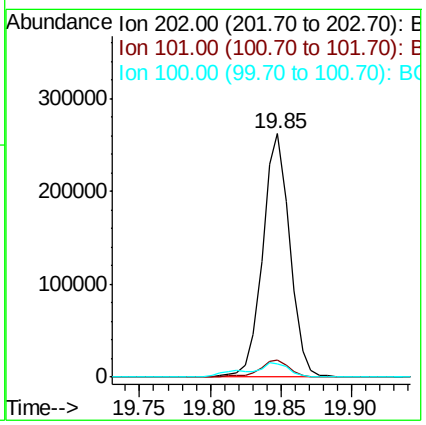


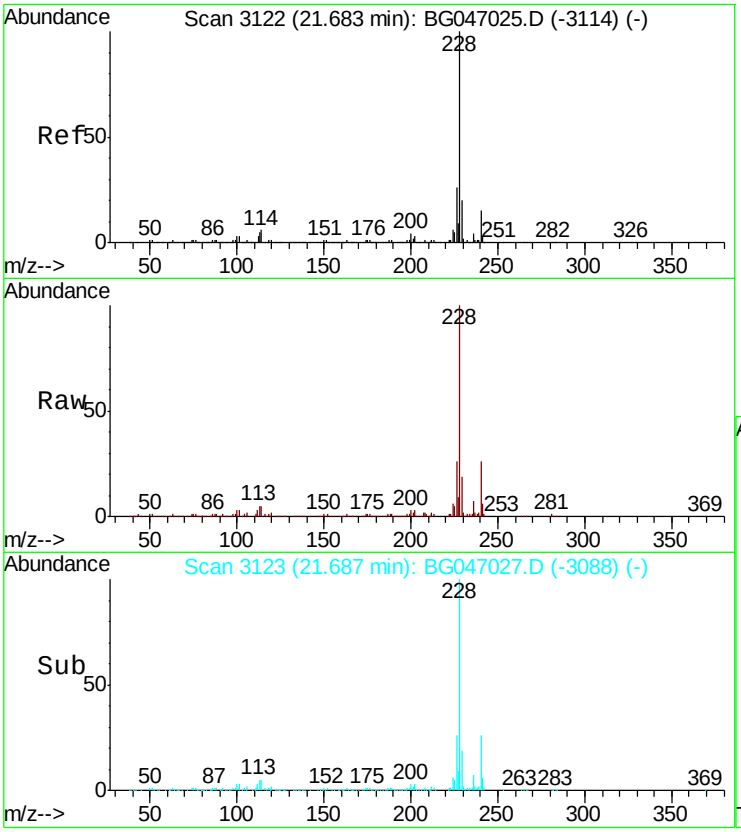


#80
Pyrene
Concen: 15.745 ng/ul
RT: 19.85 min Scan# 2810
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:202 Resp: 354818

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.8	8.6
100	5.6	5.0	7.4



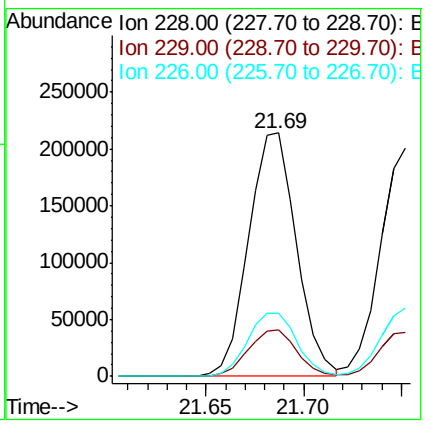


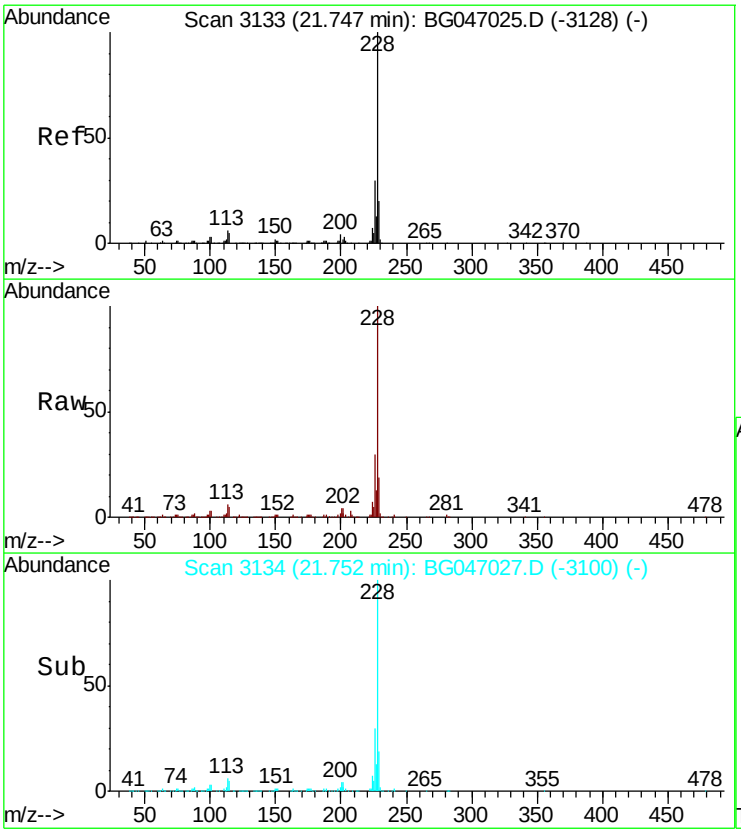
#83
Benzo(a)anthracene
Concen: 16.246 ng/ul
RT: 21.69 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:228 Resp: 362433

Ion	Ratio	Lower	Upper
228	100		
229	19.3	16.0	24.0
226	26.1	20.8	31.2

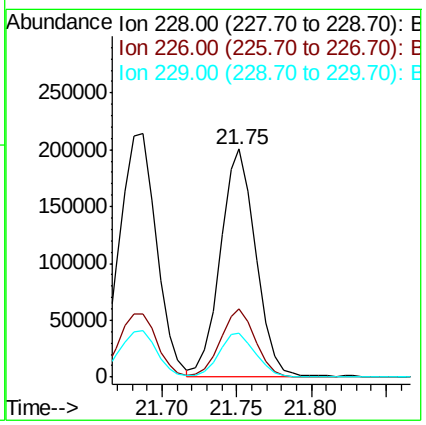


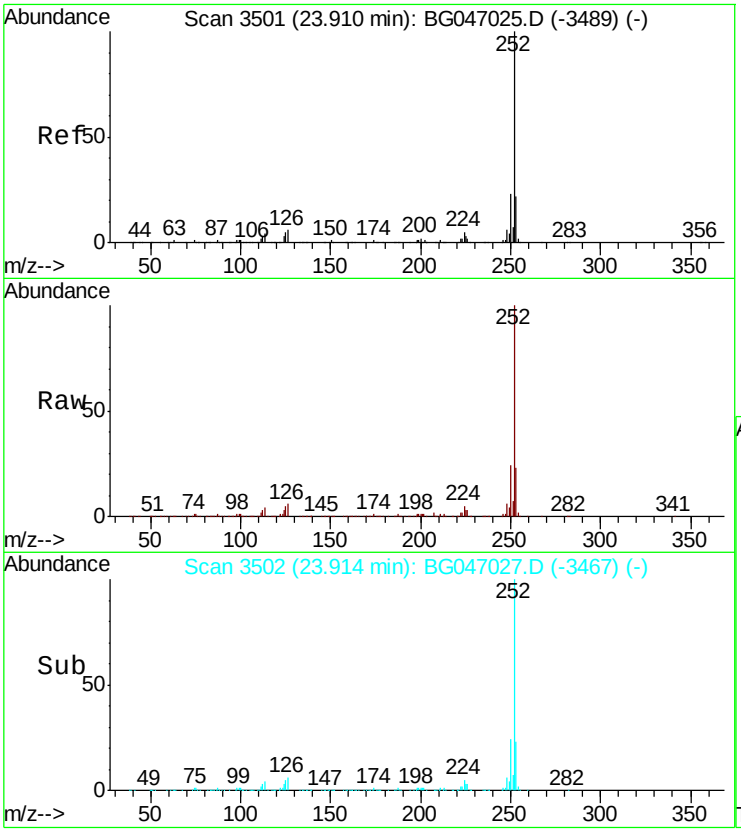


#85
Chrysene
Concen: 15.448 ng/ul
RT: 21.75 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:228 Resp: 331574

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.8	34.2
229	19.5	16.2	24.2



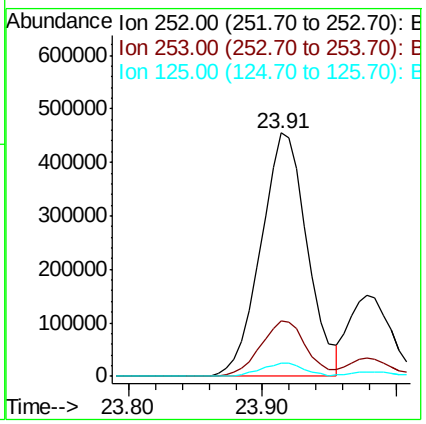


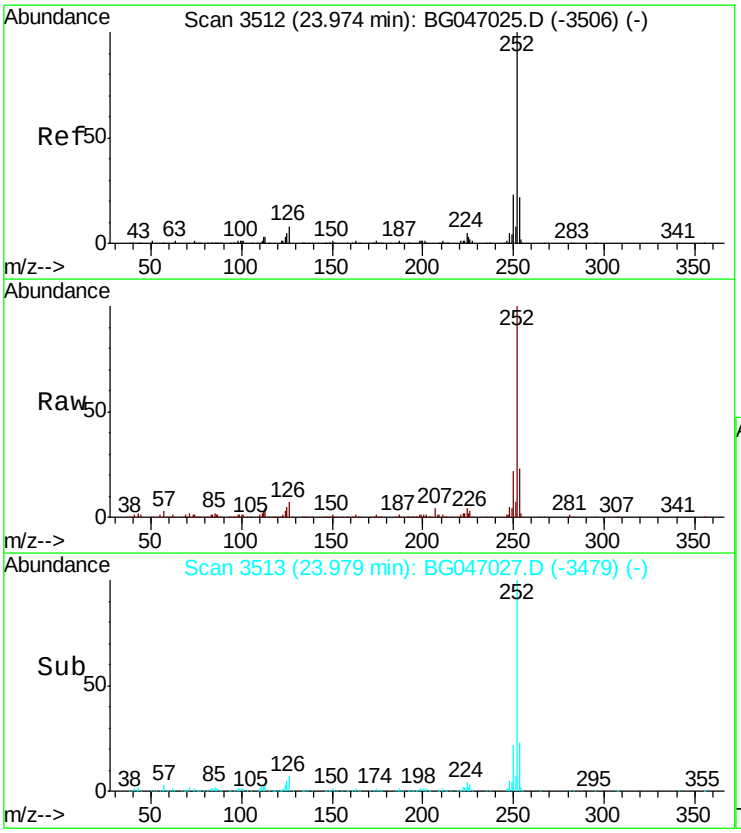
#88
Benzo(b)fluoranthene
Concen: 49.074 ng/ul
RT: 23.91 min Scan# 3502
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:252 Resp: 1099563

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	5.5	4.2	6.4

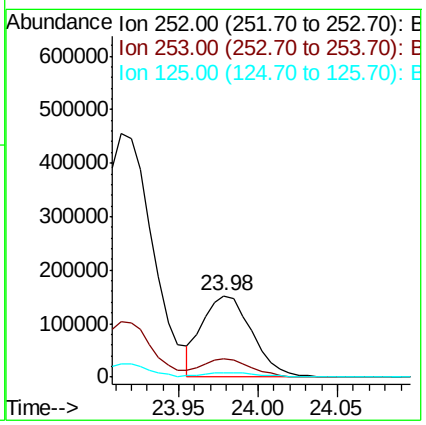


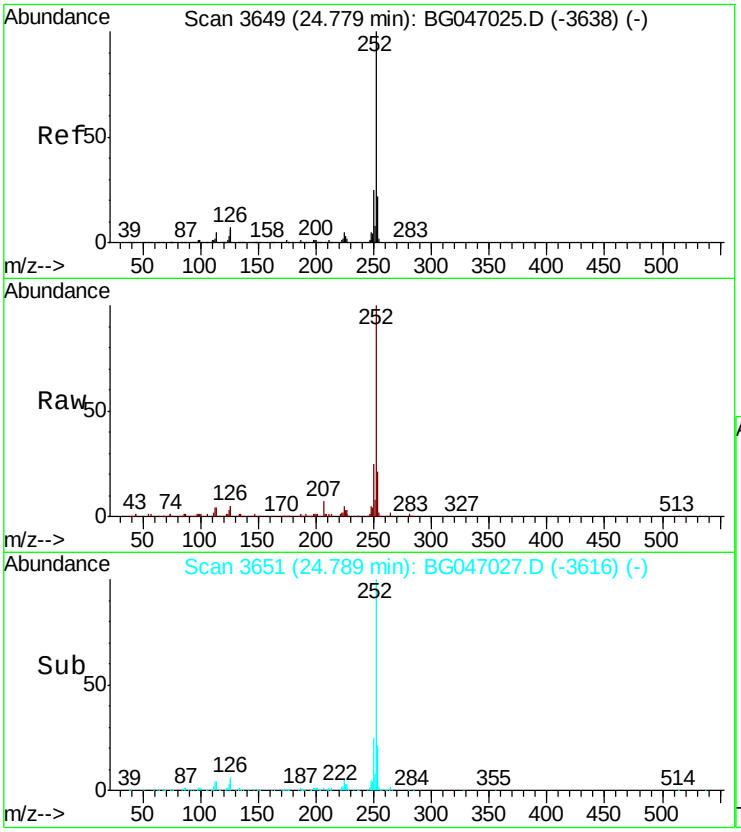


#89
Benzo(k)fluoranthene
Concen: 14.865 ng/ul
RT: 23.98 min Scan# 3513
Delta R.T. -0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:252 Resp: 322740

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	5.1	4.2	6.2



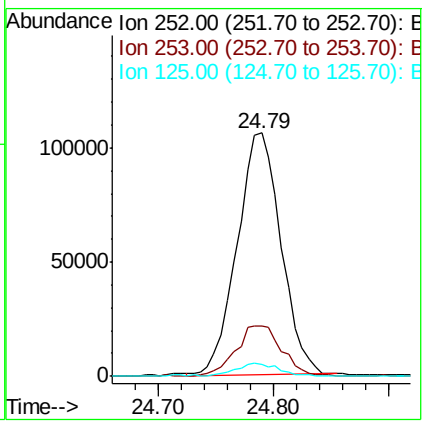


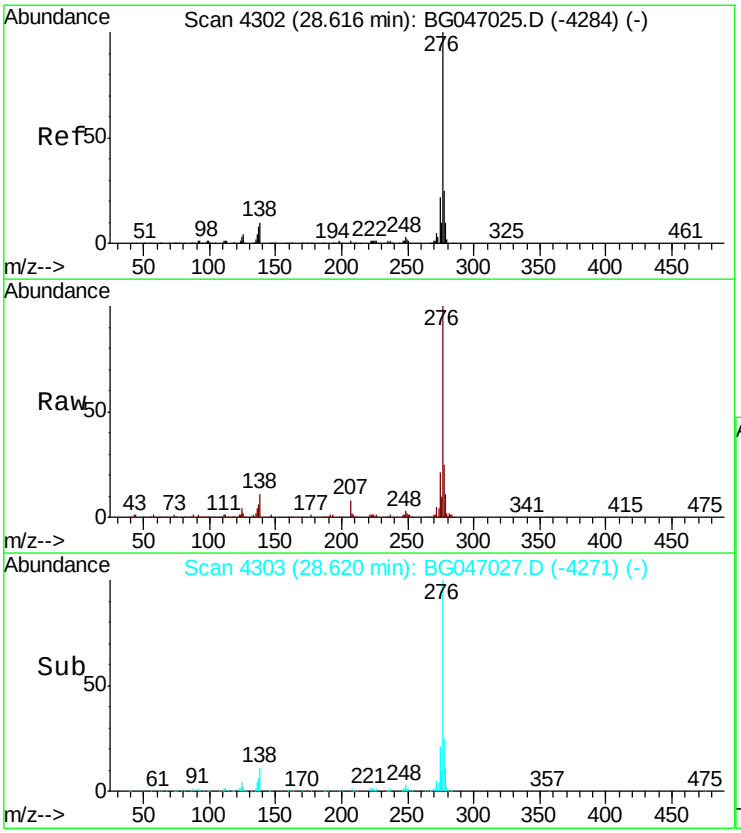
#91
Benzo(a)pyrene
Concen: 13.837 ng/ul
RT: 24.79 min Scan# 3651
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:252 Resp: 279180

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.6	26.4
125	4.8	4.7	7.1

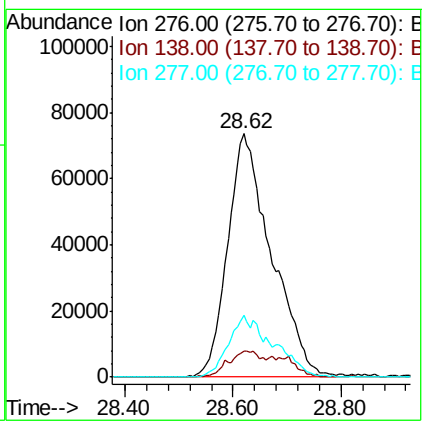


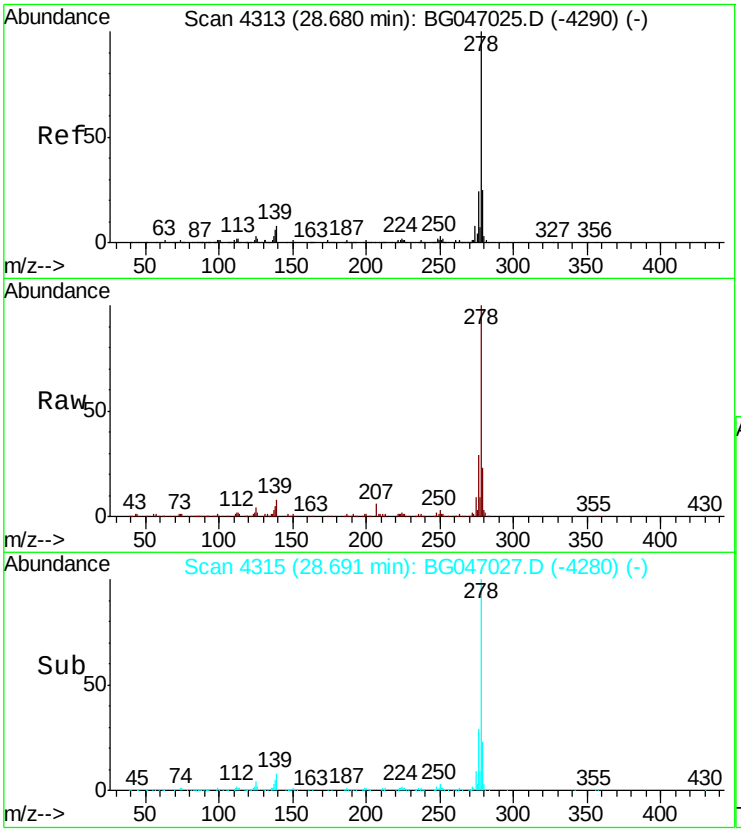


#92
Indeno(1,2,3-cd)pyrene
Concen: 16.523 ng/ul
RT: 28.62 min Scan# 4303
Delta R.T. -0.01 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:276 Resp: 414309

Ion	Ratio	Lower	Upper
276	100		
138	10.5	7.2	10.8
277	25.4	18.4	27.6



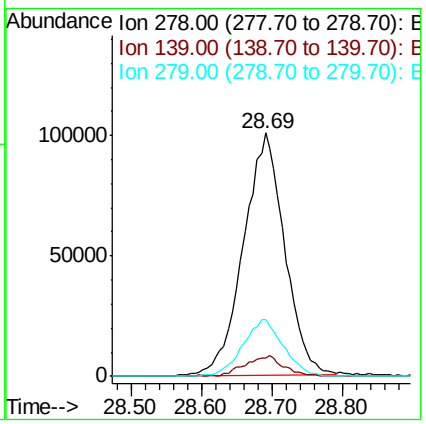


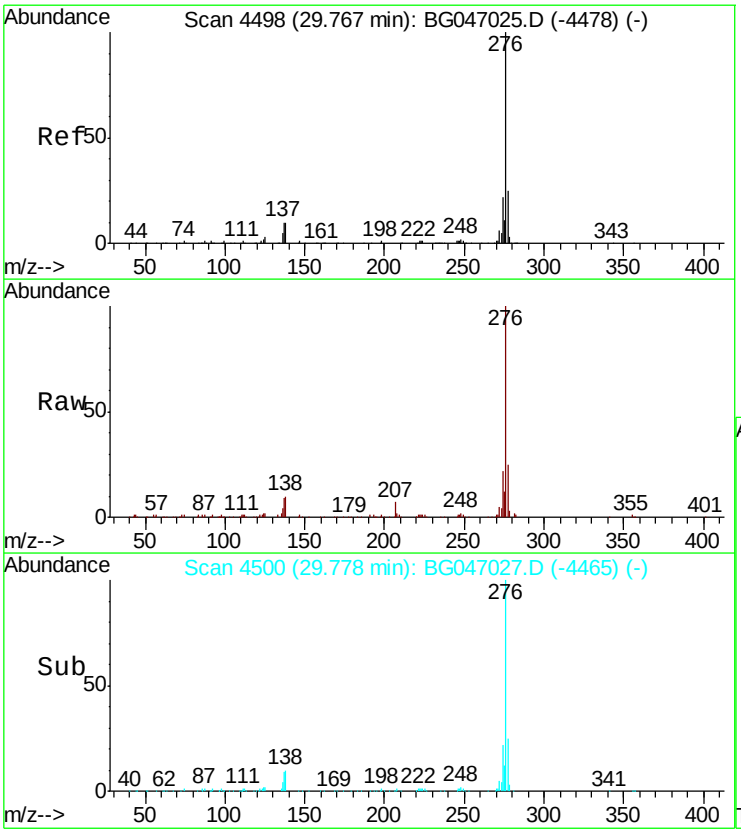
#93
Dibenzo(a,h)anthracene
Concen: 20.176 ng/ul
RT: 28.69 min Scan# 4315
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Instrument :
BNA_G
ClientSampleId :
X2P77

Tgt Ion:278 Resp: 410365

Ion	Ratio	Lower	Upper
278	100		
139	7.8	6.3	9.5
279	23.3	18.6	28.0





#94
Benzo(g,h,i)perylene
Concen: 17.434 ng/ul
RT: 29.78 min Scan# 4500
Delta R.T. 0.00 min
Lab File: BG047027.D
Acq: 22 Oct 2020 11:35

Tgt Ion:276 Resp: 365350

Ion	Ratio	Lower	Upper
276	100		
138	9.8	8.8	13.2
277	24.8	17.7	26.5