Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021221\
Data File : BG048146.D
Acq On : 12 Feb 2021 12:49
Operator : CG/JU
Sample : M1326-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2Z61

Quant Time: Feb 12 13:30:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 12 11:47:26 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	45313	20.00	ng/ul	0.00
20) Naphthalene-d8	10.92	136	188673	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.72	164	139774	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.47	188	341035	20.00	ng/ul	0.00
79) Chrysene-d12	21.74	240	351944	20.00	ng/ul	0.00
88) Perylene-d12	25.01	264	350873	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.51	96	5207	4.32	ng/uL	0.00
4) Pyridine-d5	3.92	84	63081	17.93	ng/ul	0.00
7) Phenol-d5	7.24	99	117783	27.88	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.42	67	70626	27.75	ng/ul	0.00
11) 2-Chlorophenol-d4	7.63	132	82211	26.74	ng/ul	0.00
15) 4-Methylphenol-d8	8.80	113	90245	27.06	ng/ul	0.00
21) Nitrobenzene-d5	9.27	128	41696	26.28	ng/ul	0.00
24) 2-Nitrophenol-d4	9.99	143	51347	26.33	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.52	165	95885	25.99	ng/ul	0.00
31) 4-Chloroaniline-d4	11.04	131	114301	24.19	ng/ul	0.00
46) Dimethylphthalate-d6	14.12	166	343802	29.45	ng/ul	0.00
49) Acenaphthylene-d8	14.42	160	393769	29.31	ng/ul	0.00
54) 4-Nitrophenol-d4	14.90	143	59069	28.21	ng/ul	0.00
60) Fluorene-d10	15.72	176	305683	29.22	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.82	200	63141	25.89	ng/ul	0.00
73) Anthracene-d10	17.57	188	519053	31.52	ng/ul	0.00
81) Pyrene-d10	19.85	212	629803	32.10	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.78	264	660409	34.43	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.54	88	19049	14.033	ng/uL	91
6) Benzaldehyde	7.23	77	76889	37.508	ng/ul	97
8) Phenol	7.27	94	182804	42.680	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.51	93	98283	29.942	ng/ul	96
19) Hexachloroethane	9.19	117	57296	40.943	ng/ul	95
22) Nitrobenzene	9.30	77	75048	15.784	ng/ul	96
25) 2-Nitrophenol	10.02	139	59197	30.204	ng/ul#	87
30) Naphthalene	10.96	128	338229	31.800	ng/ul	98
36) 2-Methylnaphthalene	12.56	142	352179	44.711	ng/ul	94
37) 1-Methylnaphthalene	12.78	142	175820	23.547	ng/ul#	98
39) 1,2,4,5-Tetrachlorobenzene	12.93	216	89871	16.408	ng/ul	99
42) 2,4,5-Trichlorophenol	13.23	196	173455	45.672	ng/ul	94
43) 1,1'-Biphenyl	13.56	154	337647	31.610	ng/ul	96
44) 2-Chloronaphthalene	13.61	162	270060	30.201	ng/ul	98
50) Acenaphthylene	14.45	152	384561	29.662	ng/ul	98
52) Acenaphthene	14.79	153	241021	25.634	ng/ul	98
55) 4-Nitrophenol	14.92	109	47058	21.455	ng/ul	98
56) Dibenzofuran	15.12	168	188311	13.893	ng/ul	98
57) 2,4-Dinitrotoluene	15.08	165	78098	21.776	ng/ul	97
59) Diethylphthalate	15.53	149	212671	17.468	ng/ul	98
61) Fluorene	15.77	166	334709	30.419	ng/ul	97
69) Hexachlorobenzene	16.77	284	66644	14.048	ng/ul	93

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Sample : M1326-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2Z61

Quant Time: Feb 12 13:30:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 12 11:47:26 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Phenanthrene	17.51	178	514616	26.893	ng/ul	98
74) Anthracene	17.60	178	853655	43.888	ng/ul	99
80) Fluoranthene	19.51	202	637436	25.507	ng/ul	100
82) Pyrene	19.88	202	554610	22.673	ng/ul	98
85) Benzo(a)anthracene	21.72	228	513378	20.916	ng/ul	98
87) Chrysene	21.79	228	412387	17.418	ng/ul	98
89) Di-n-octyl phthalate	22.85	149	393887	19.921	ng/ul	100
90) Benzo(b)fluoranthene	23.97	252	850656	36.079	ng/ul	98
91) Benzo(k)fluoranthene	24.04	252	444505	19.303	ng/ul	97
93) Benzo(a)pyrene	24.85	252	487948	22.690	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.72	276	530384	19.892	ng/ul	99
95) Dibenzo(a,h)anthracene	28.78	278	302874	13.706	ng/ul	99
96) Benzo(g,h,i)perylene	29.89	276	694224	31.213	ng/ul	100

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

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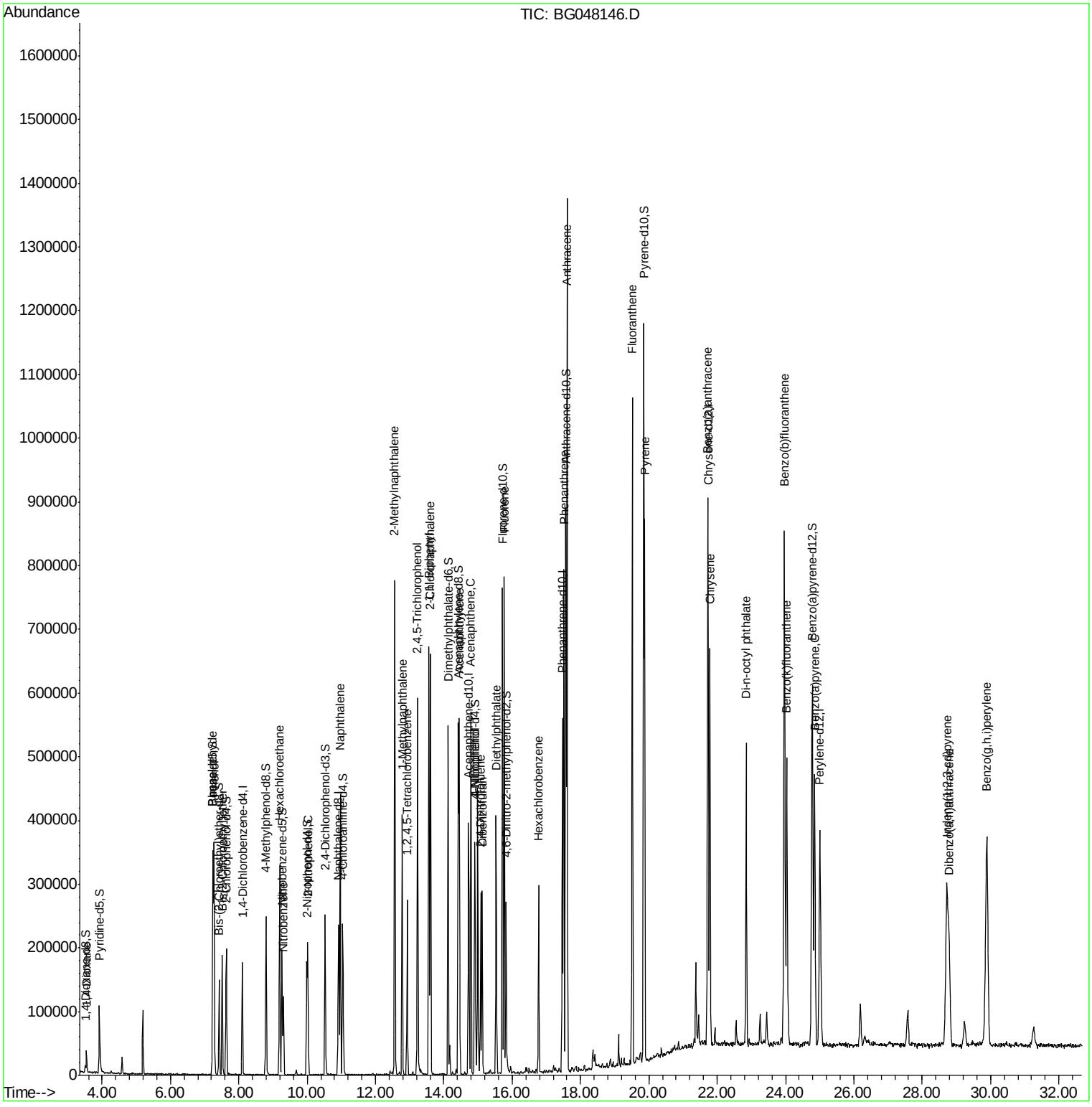
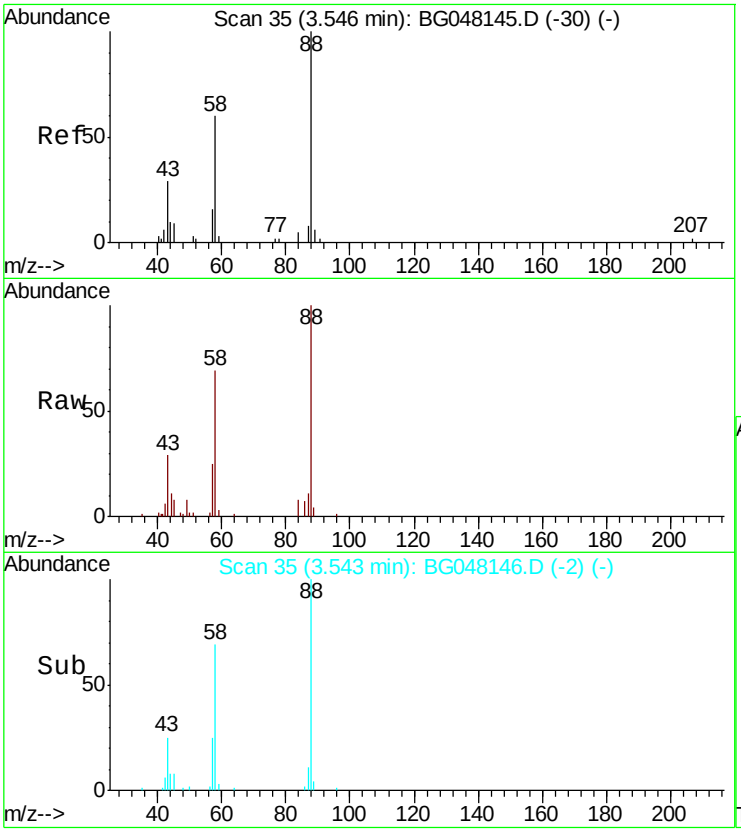


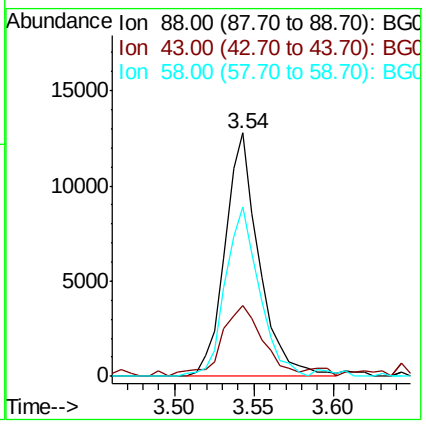


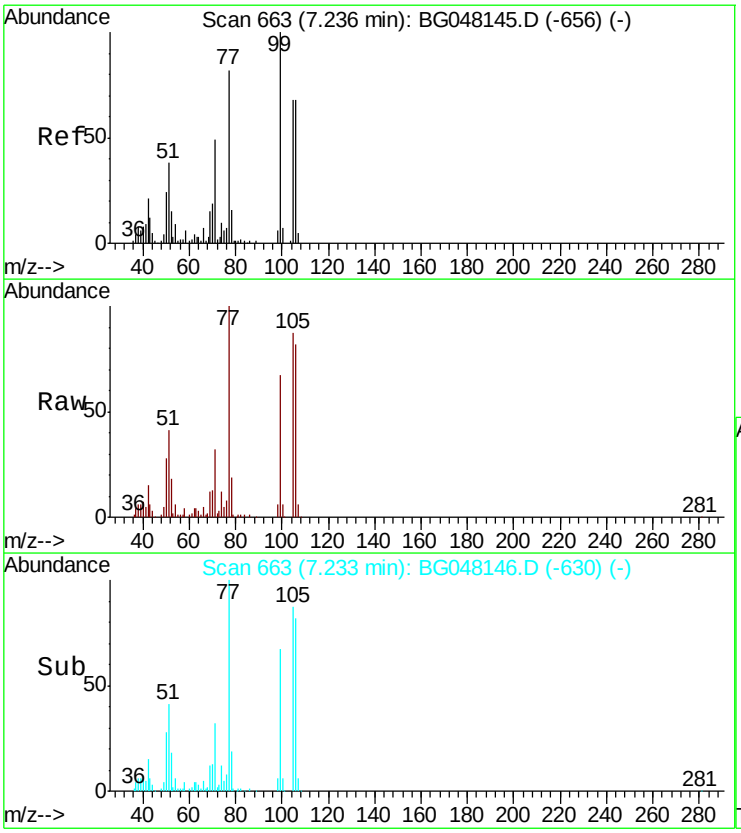
#2
1,4-Dioxane
Concen: 14.033 ng/uL
RT: 3.54 min Scan# 35
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion: 88 Resp: 19049

Ion	Ratio	Lower	Upper
88	100		
43	28.9	25.3	37.9
58	69.4	48.6	73.0

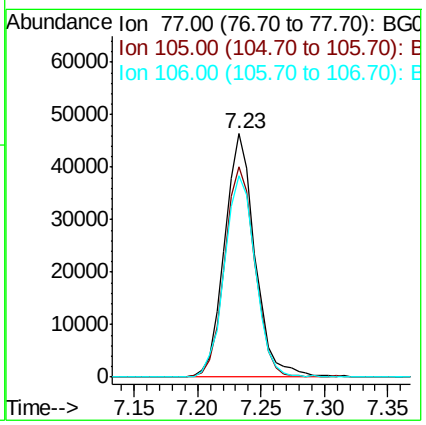


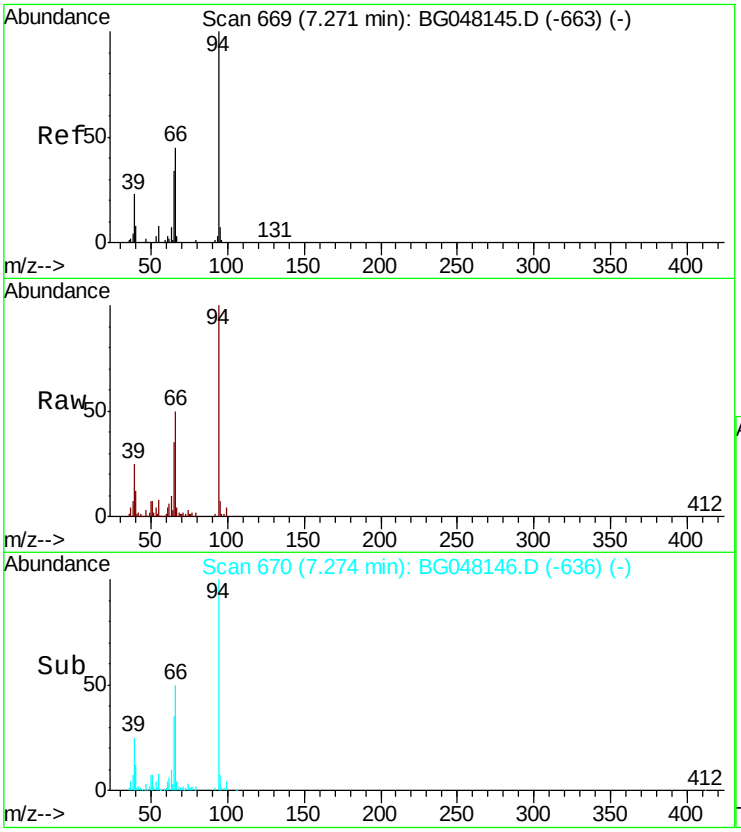


#6
Benzaldehyde
Concen: 37.508 ng/ul
RT: 7.23 min Scan# 663
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion: 77 Resp: 76889

Ion	Ratio	Lower	Upper
77	100		
105	86.5	71.3	106.9
106	82.5	68.6	102.8



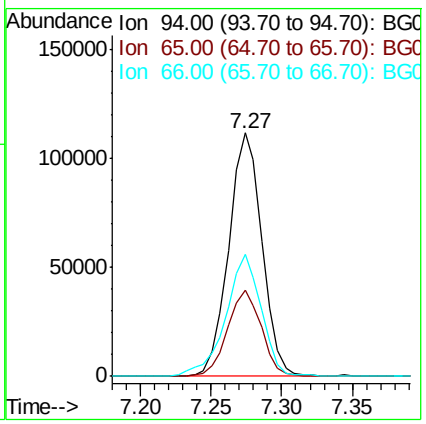


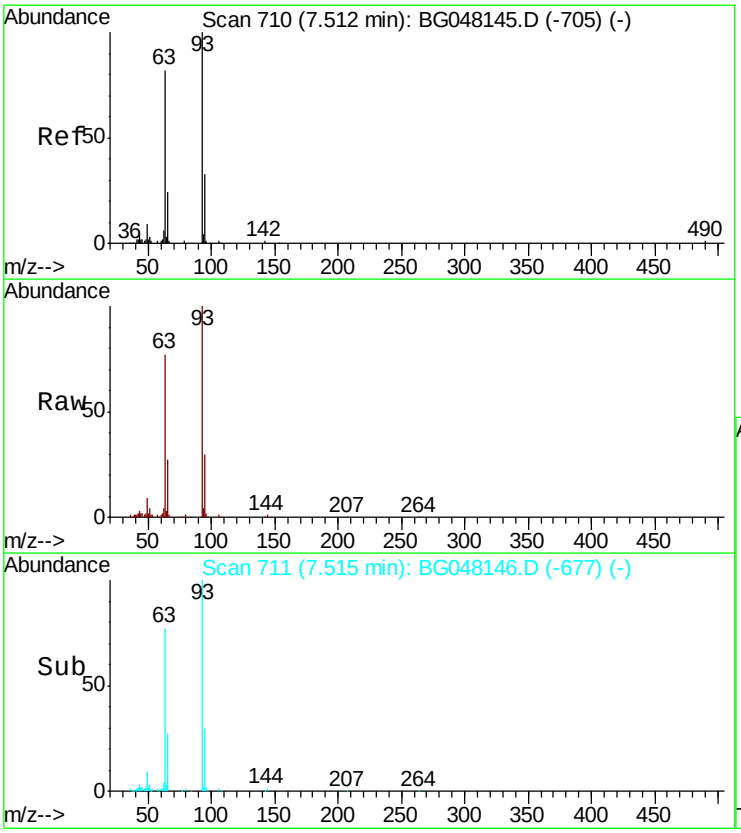
#8
Phenol
Concen: 42.680 ng/ul
RT: 7.27 min Scan# 670
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion: 94 Resp: 182804

Ion	Ratio	Lower	Upper
94	100		
65	35.2	29.0	43.4
66	50.4	37.7	56.5

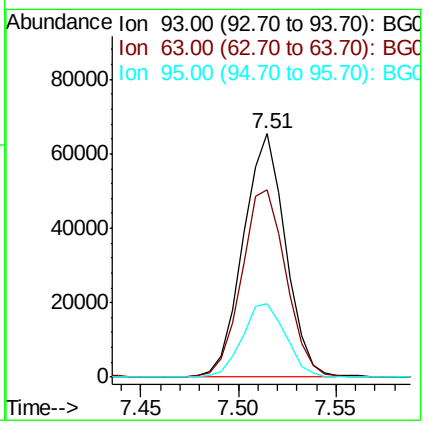


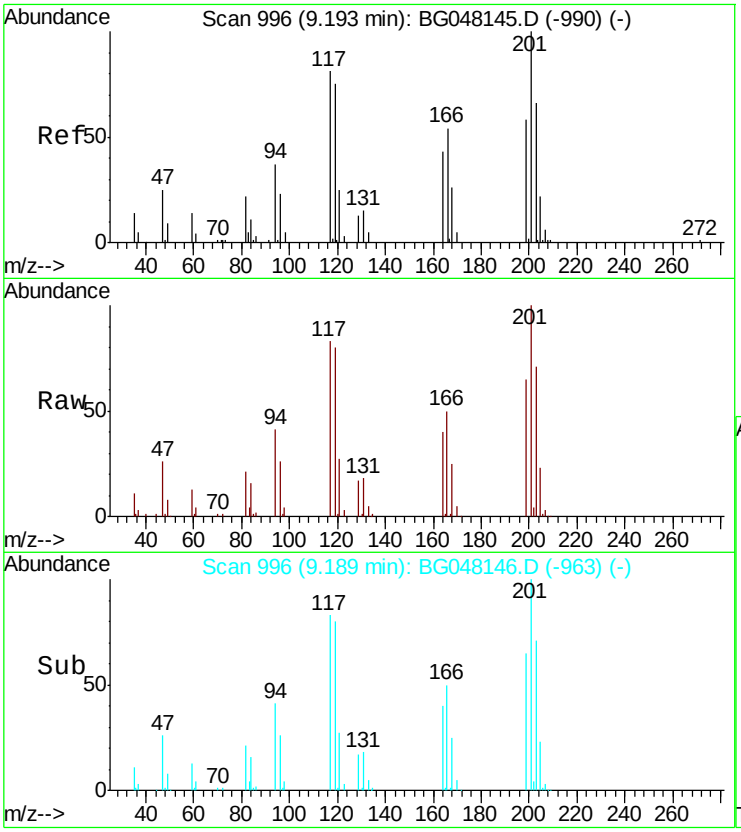


#10
Bis(2-Chloroethyl)ether
Concen: 29.942 ng/ul
RT: 7.51 min Scan# 711
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion: 93 Resp: 98283

Ion	Ratio	Lower	Upper
93	100		
63	77.2	64.0	96.0
95	30.1	27.0	40.6



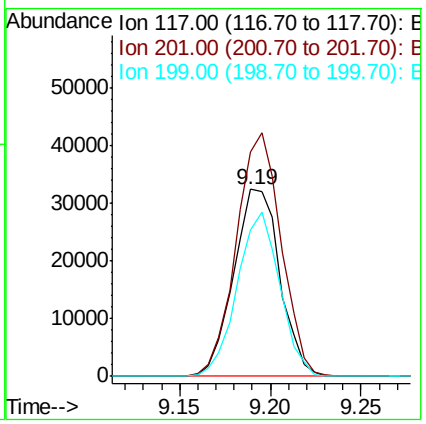


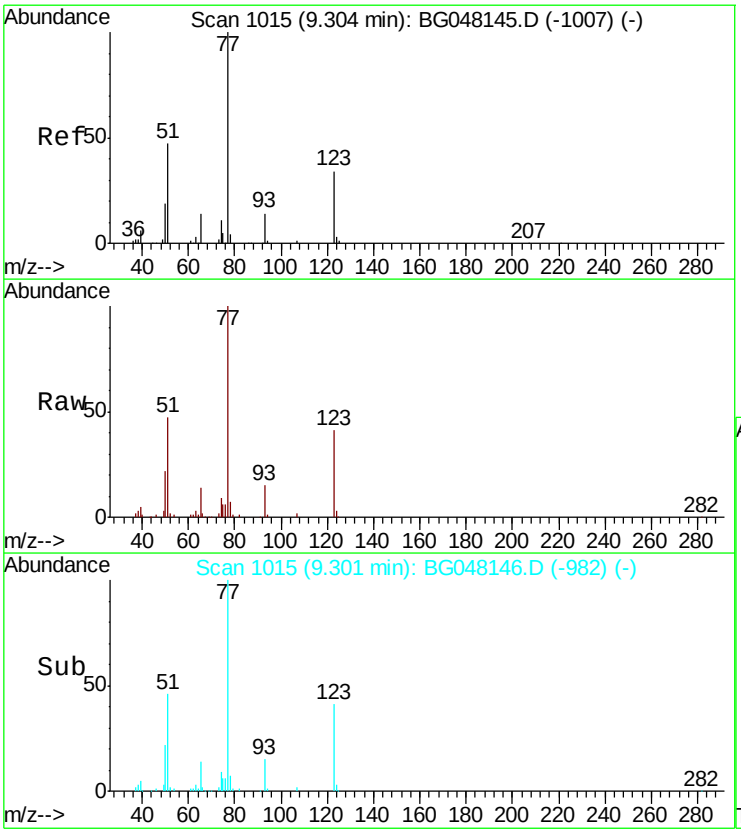
#19
Hexachloroethane
Concen: 40.943 ng/ul
RT: 9.19 min Scan# 996
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:117 Resp: 57296

Ion	Ratio	Lower	Upper
117	100		
201	119.9	101.4	152.2
199	78.2	59.9	89.9

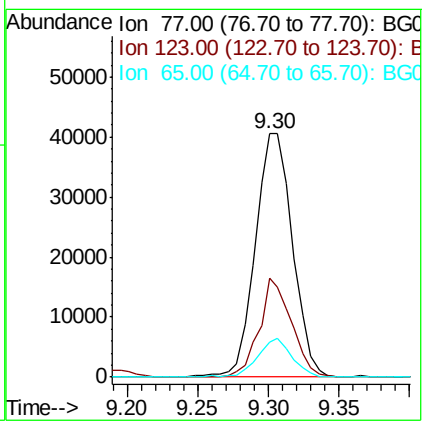


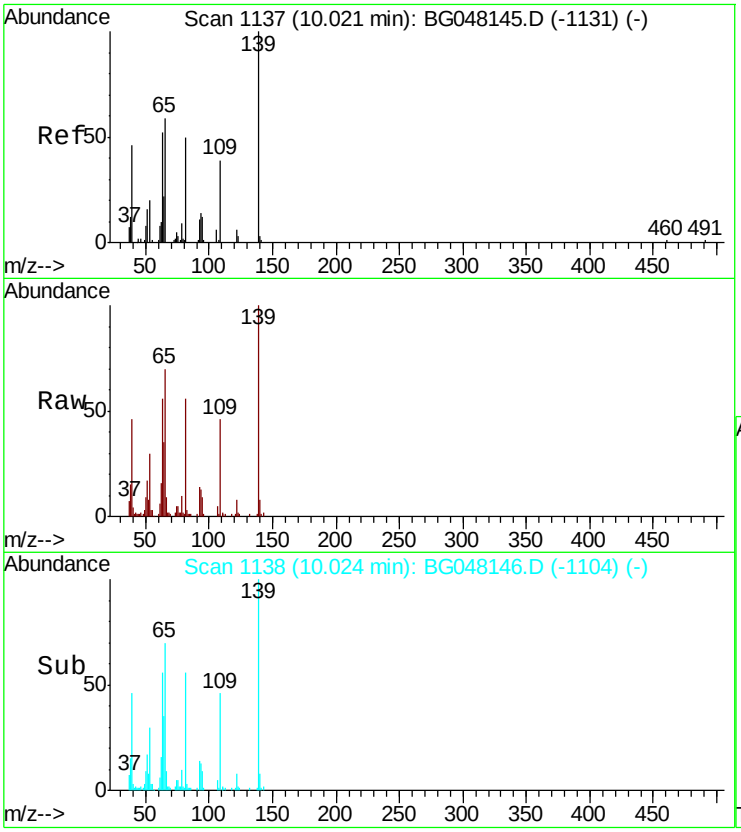


#22
Nitrobenzene
Concen: 15.784 ng/ul
RT: 9.30 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion: 77 Resp: 75048

Ion	Ratio	Lower	Upper
77	100		
123	40.6	30.0	45.0
65	14.3	12.2	18.2



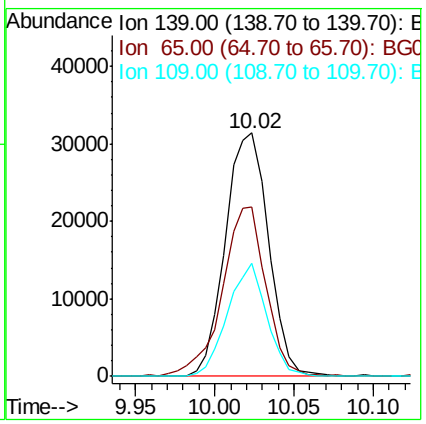


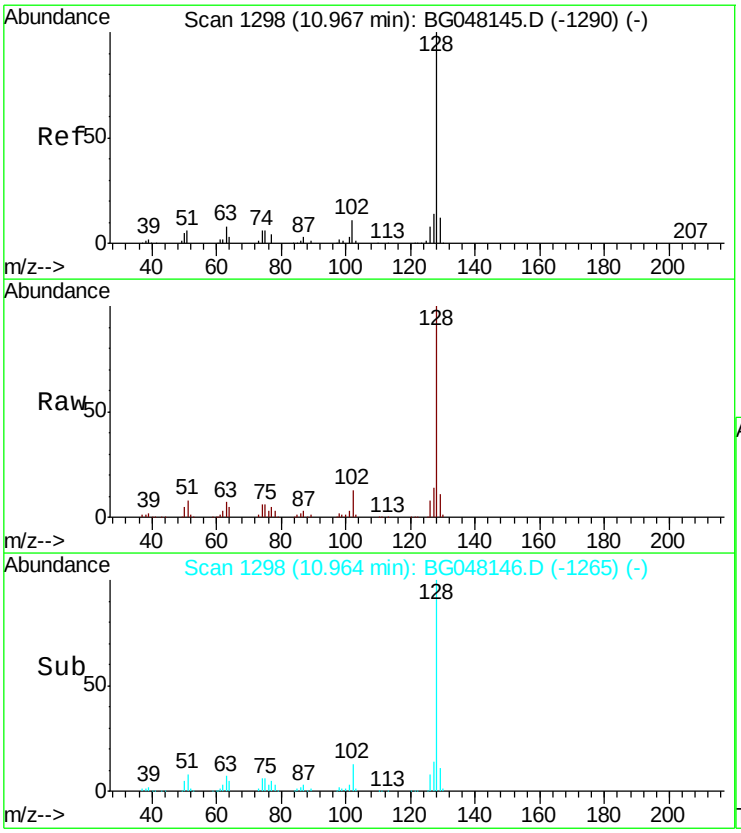
#25
2-Nitrophenol
Concen: 30.204 ng/ul
RT: 10.02 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:139 Resp: 59197

Ion	Ratio	Lower	Upper
139	100		
65	69.6	45.0	67.6#
109	46.4	33.5	50.3

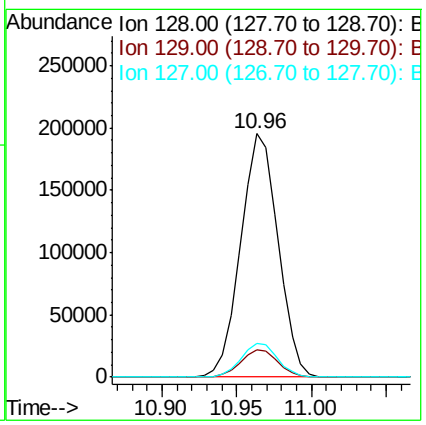


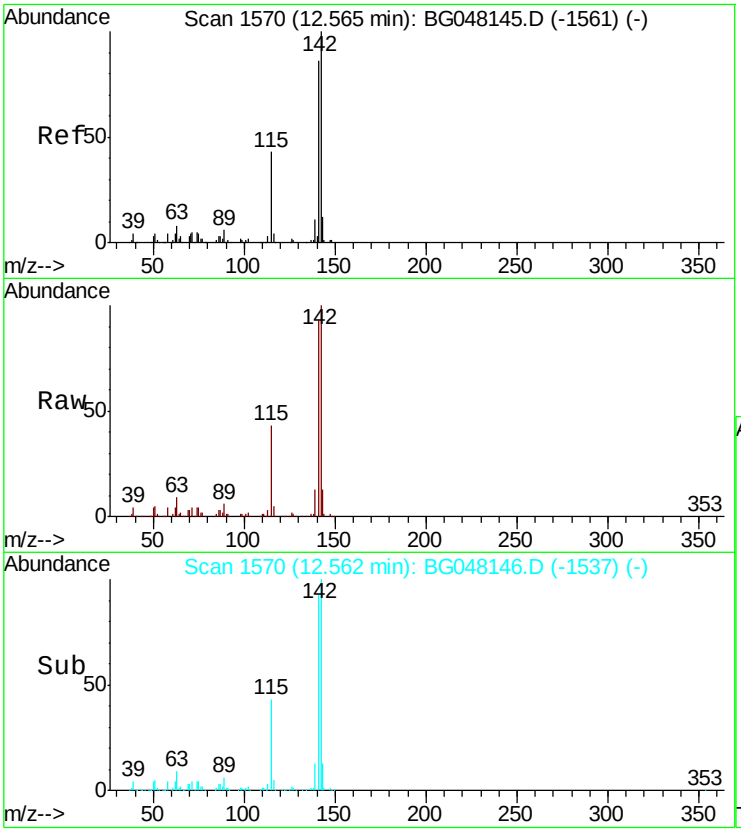


#30
Naphthalene
Concen: 31.800 ng/ul
RT: 10.96 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:128 Resp: 338229

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.9	12.2	18.2



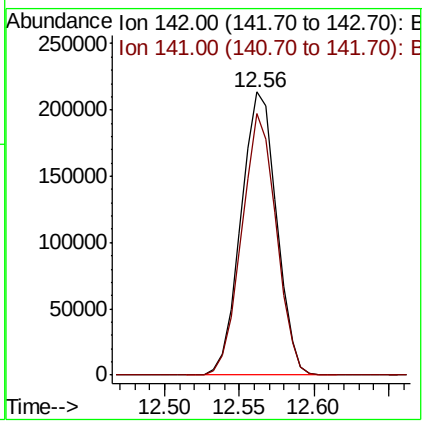


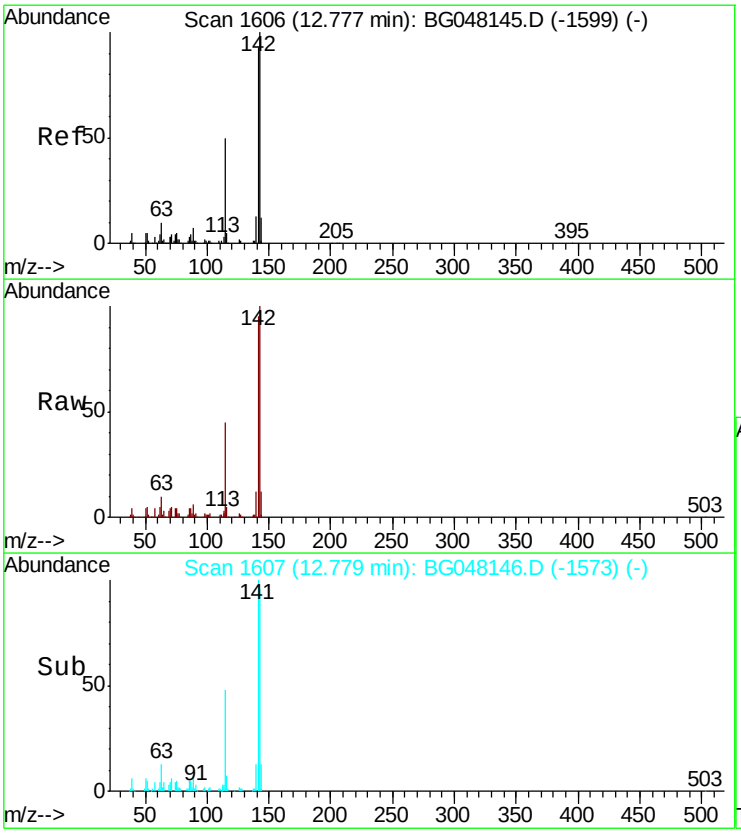
#36
2-Methylnaphthalene
Concen: 44.711 ng/ul
RT: 12.56 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:142 Resp: 352179

Ion	Ratio	Lower	Upper
142	100		
141	92.5	69.8	104.8

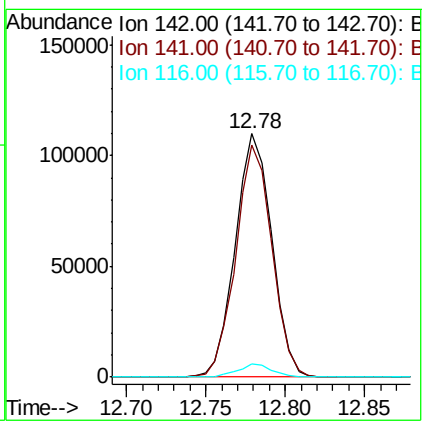


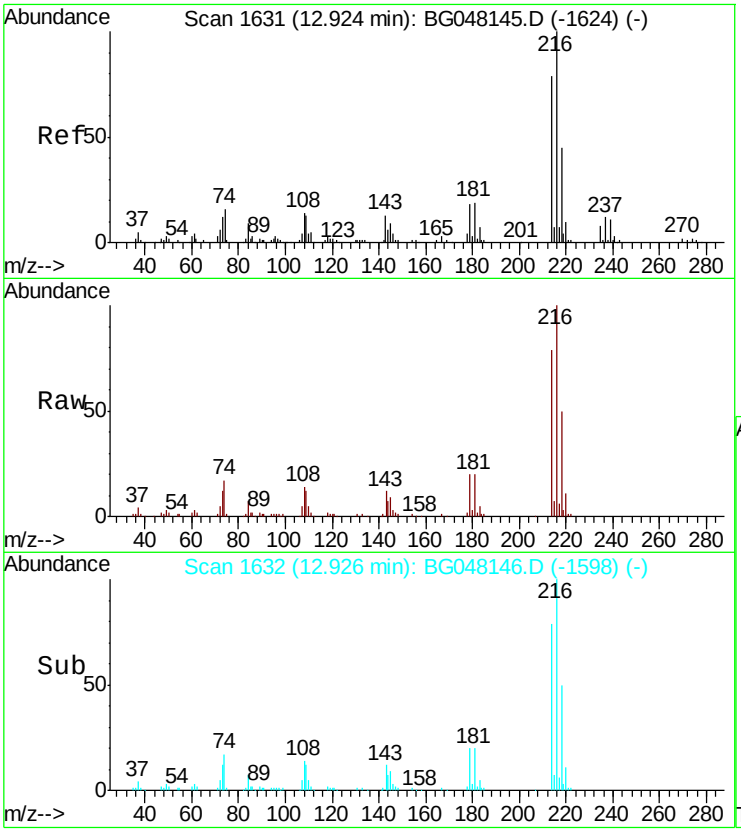


#37
1-Methylnaphthalene
Concen: 23.547 ng/ul
RT: 12.78 min Scan# 1607
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:142 Resp: 175820

Ion	Ratio	Lower	Upper
142	100		
141	95.3	75.1	112.7
116	5.2	3.3	4.9#



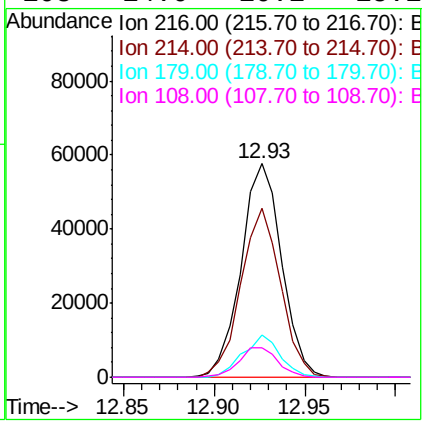


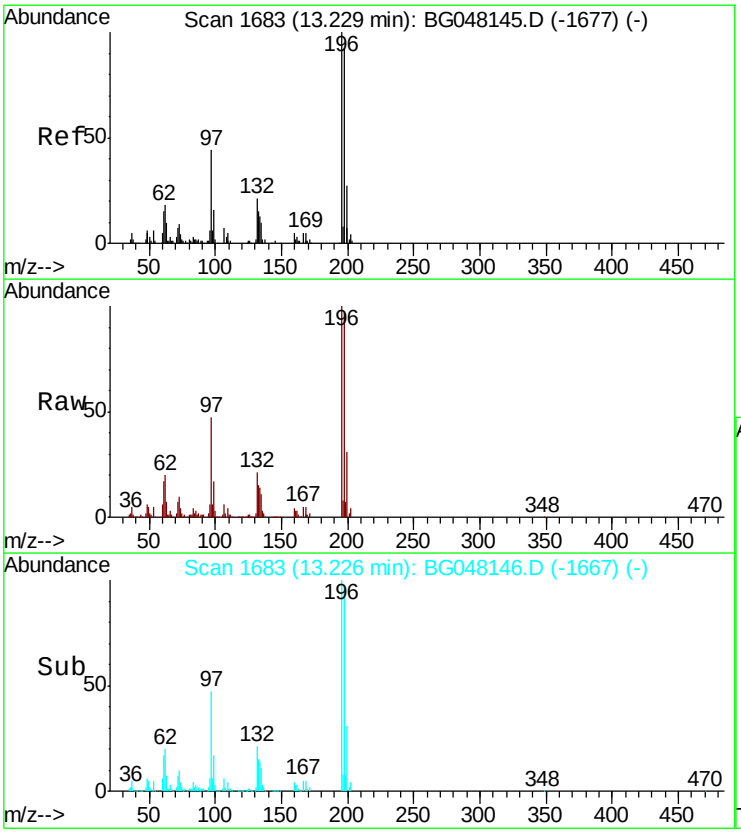
#39
1,2,4,5-Tetrachlorobenzene
Concen: 16.408 ng/ul
RT: 12.93 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:216 Resp: 89871

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.8	94.2
179	19.5	14.5	21.7
108	14.0	10.1	15.1

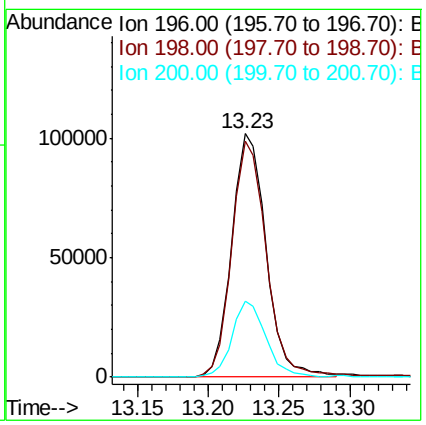


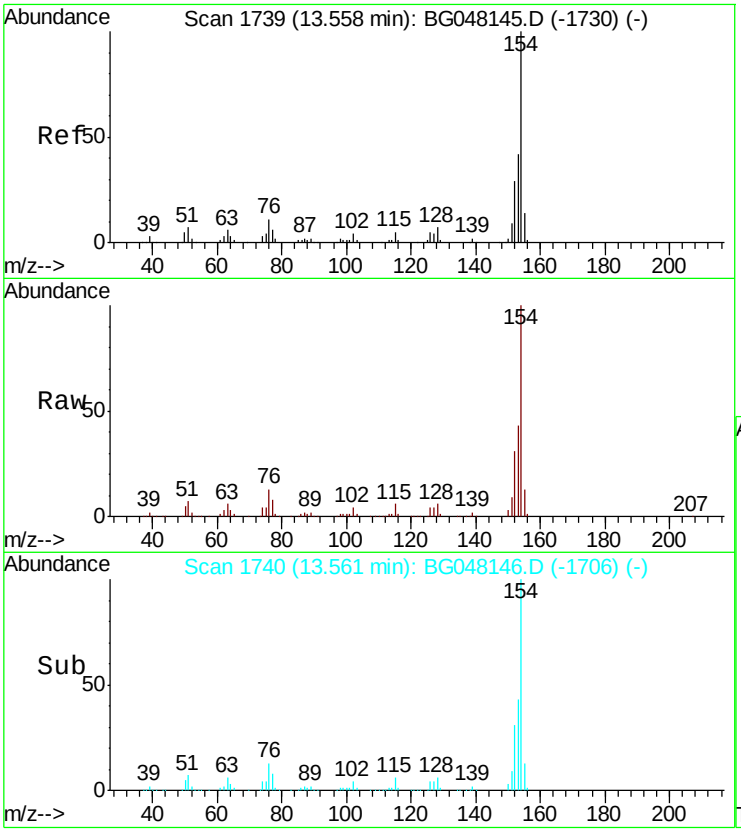


#42
2,4,5-Trichlorophenol
Concen: 45.672 ng/ul
RT: 13.23 min Scan# 1683
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:196 Resp: 173455

Ion	Ratio	Lower	Upper
196	100		
198	97.0	72.4	108.6
200	31.0	26.0	39.0



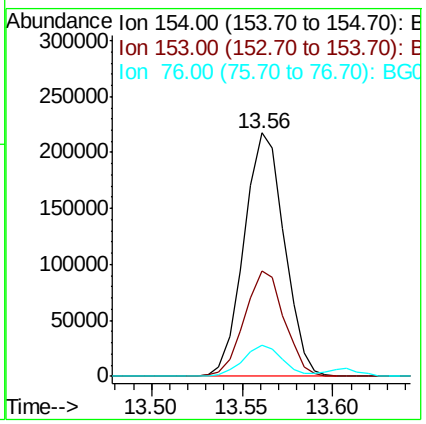


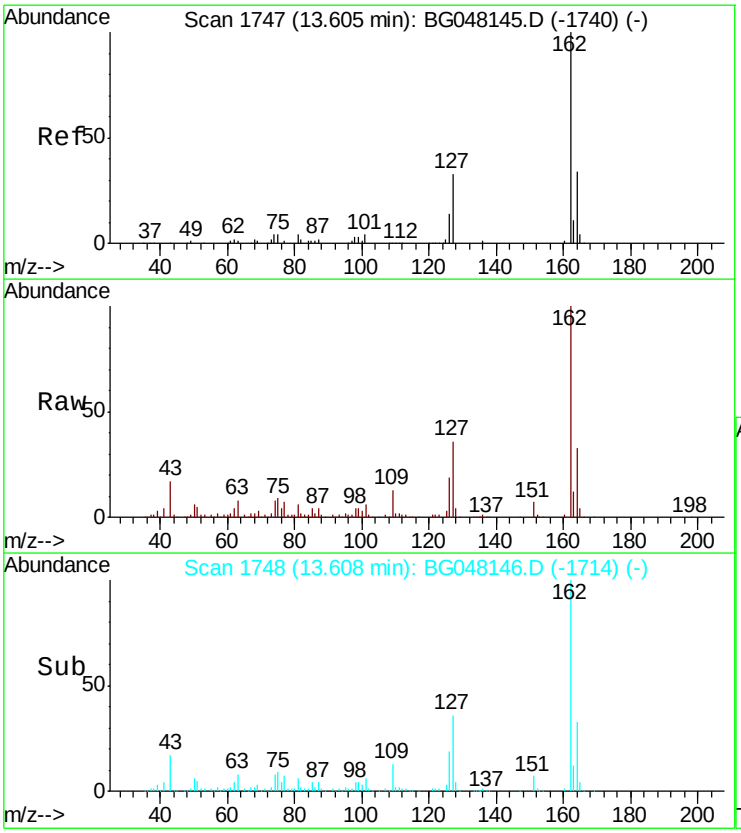
#43
1,1'-Biphenyl
Concen: 31.610 ng/ul
RT: 13.56 min Scan# 1740
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:154 Resp: 337647

Ion	Ratio	Lower	Upper
154	100		
153	43.2	32.2	48.4
76	12.7	9.5	14.3

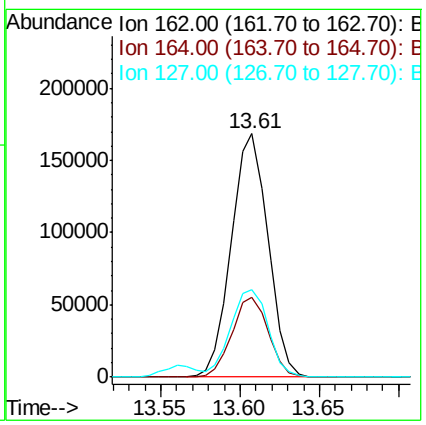


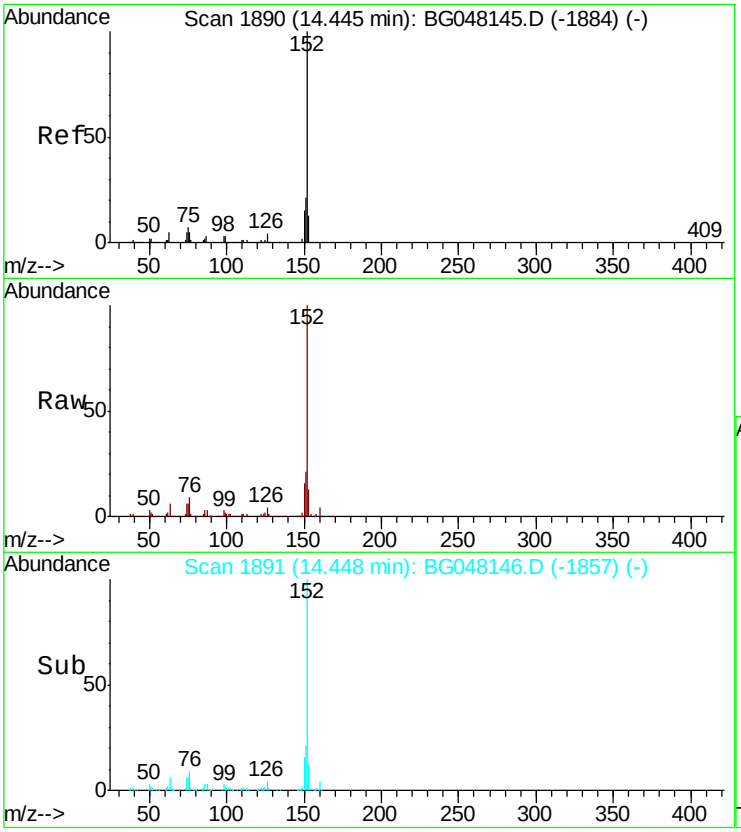


#44
2-Chloronaphthalene
Concen: 30.201 ng/ul
RT: 13.61 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:162 Resp: 270060

Ion	Ratio	Lower	Upper
162	100		
164	33.0	24.7	37.1
127	35.9	28.4	42.6



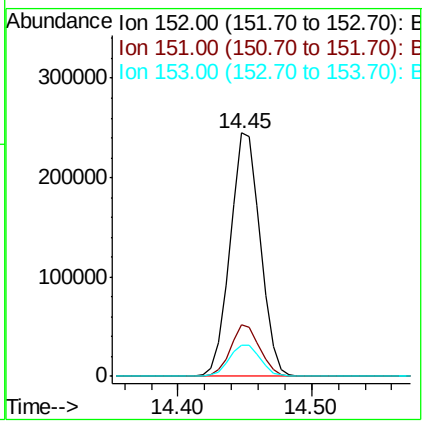


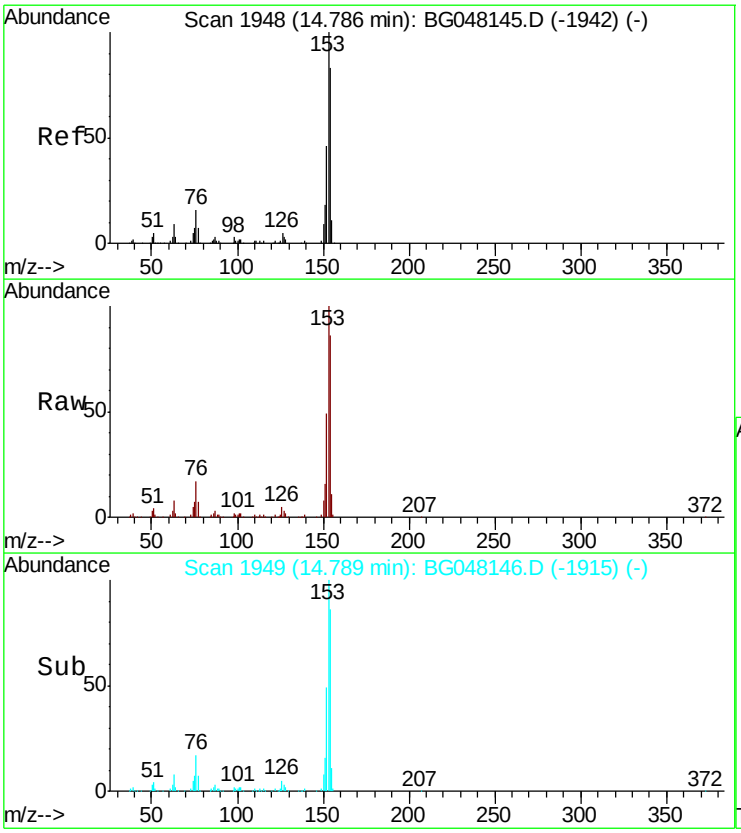
#50
Acenaphthylene
Concen: 29.662 ng/ul
RT: 14.45 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:152 Resp: 384561

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.4	26.0
153	12.7	11.0	16.4

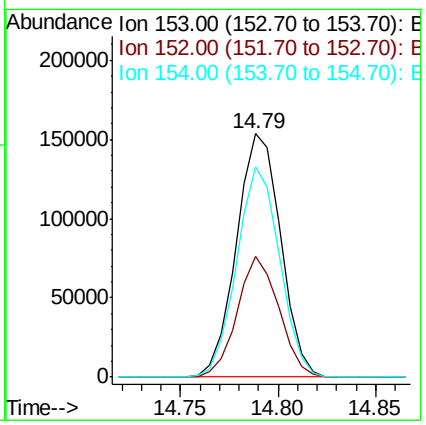


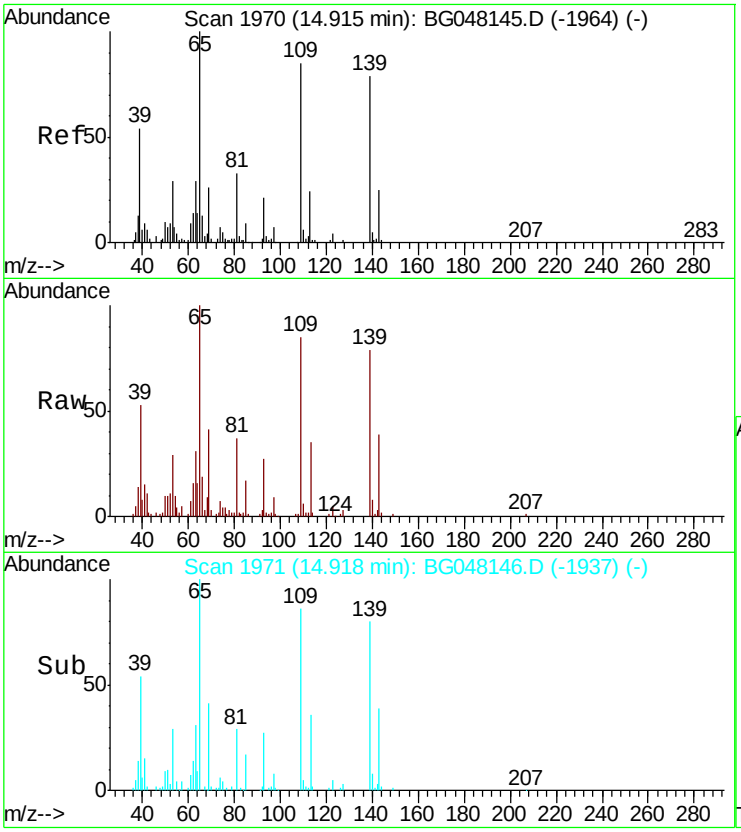


#52
Acenaphthene
Concen: 25.634 ng/ul
RT: 14.79 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:153 Resp: 241021

Ion	Ratio	Lower	Upper
153	100		
152	49.4	40.6	61.0
154	86.3	70.6	106.0



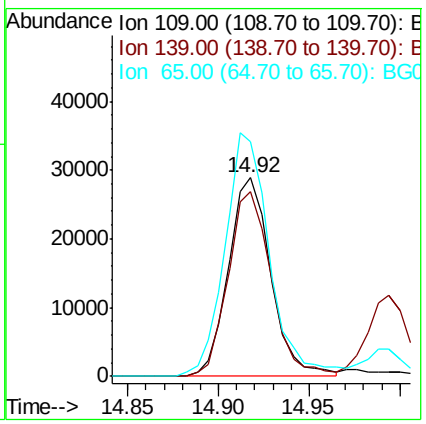


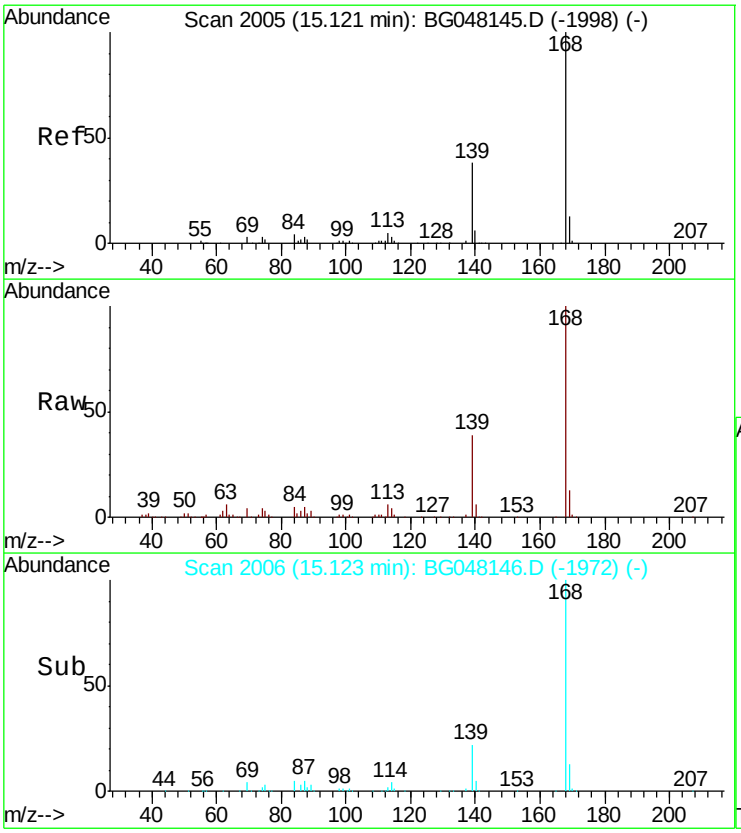
#55
4-Nitrophenol
Concen: 21.455 ng/ul
RT: 14.92 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:109 Resp: 47058

Ion	Ratio	Lower	Upper
109	100		
139	93.1	75.5	113.3
65	118.0	96.0	144.0

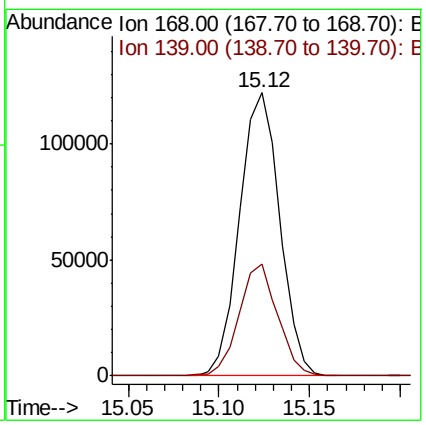


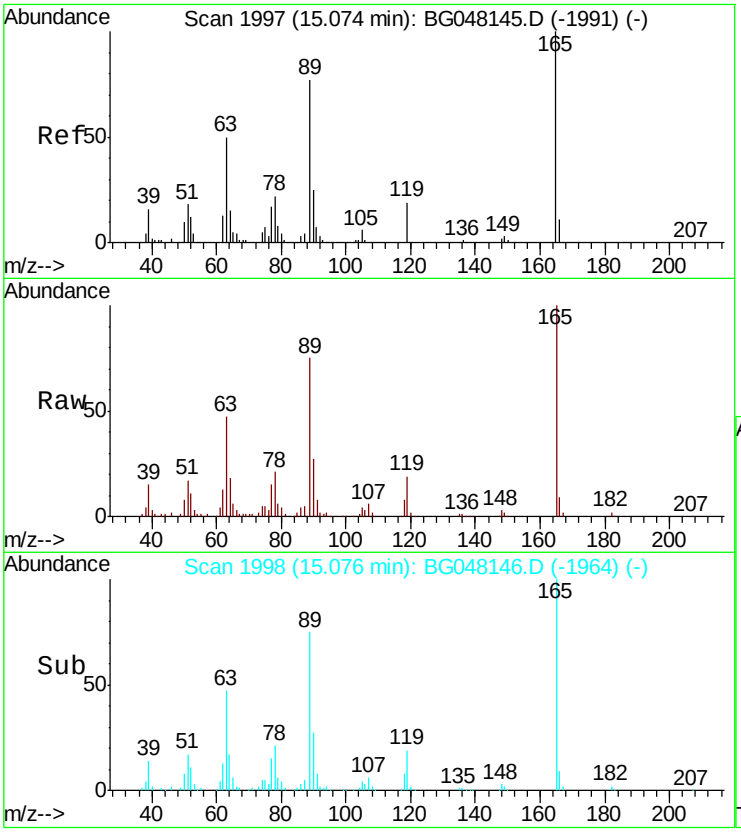


#56
Dibenzofuran
Concen: 13.893 ng/ul
RT: 15.12 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:168 Resp: 188311

Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.6	45.8



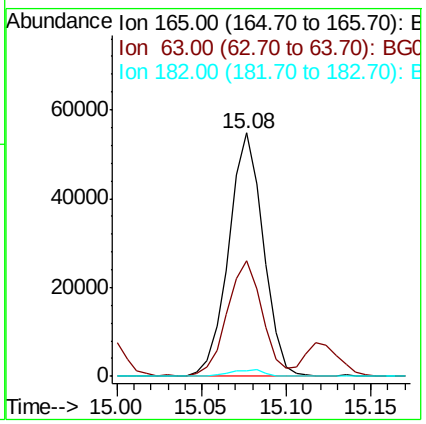


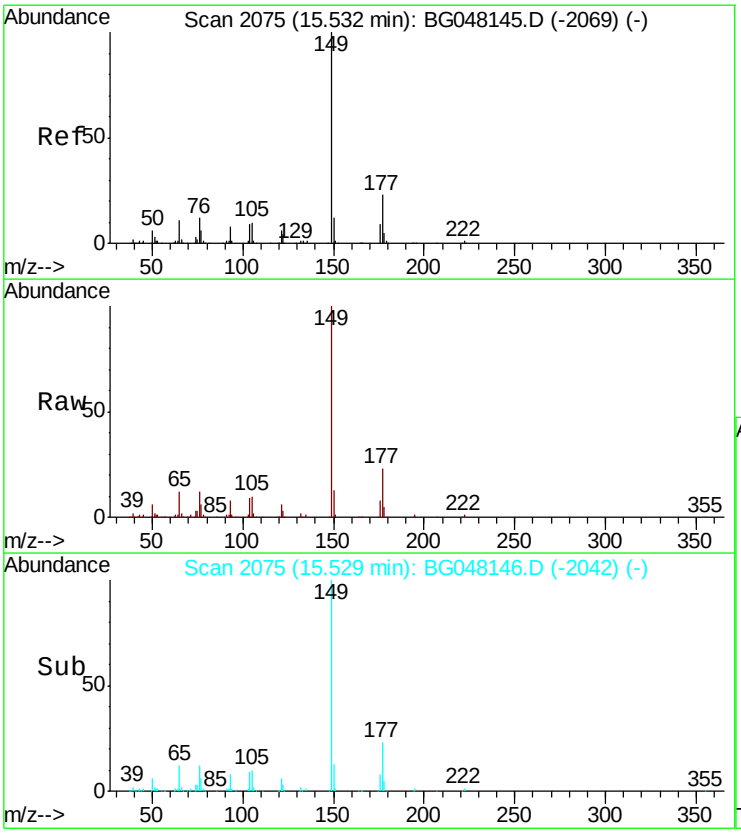
#57
2,4-Dinitrotoluene
Concen: 21.776 ng/ul
RT: 15.08 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:165 Resp: 78098

Ion	Ratio	Lower	Upper
165	100		
63	47.4	39.9	59.9
182	2.3	2.0	3.0

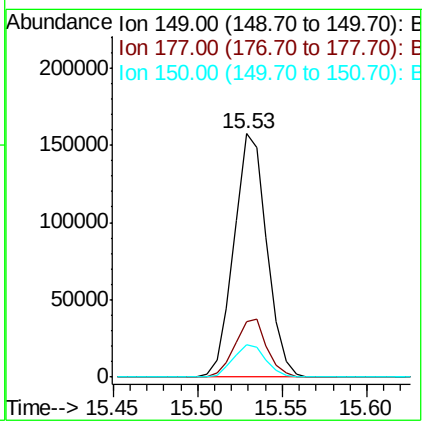


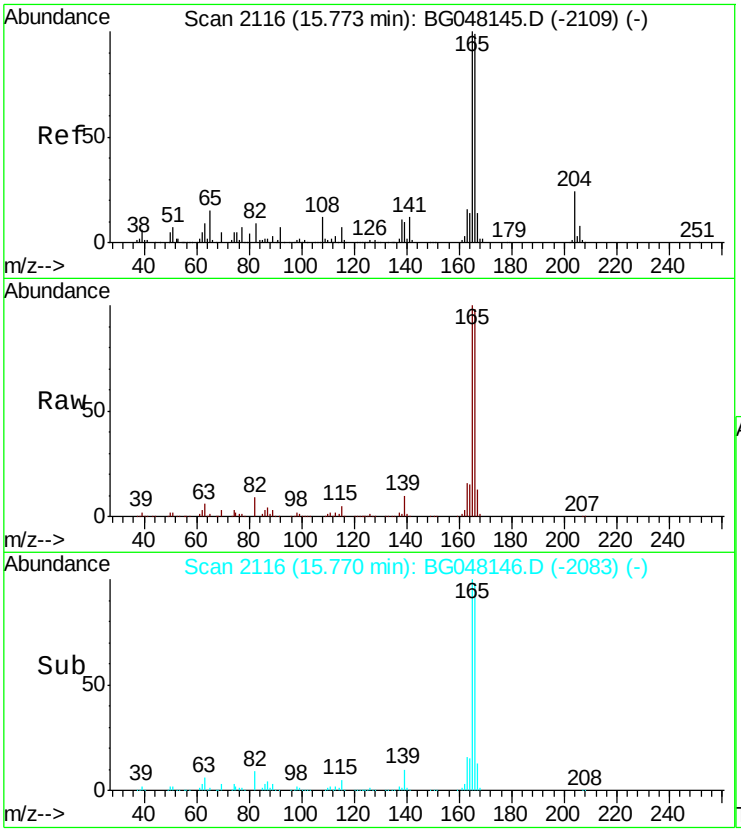


#59
Diethylphthalate
Concen: 17.468 ng/ul
RT: 15.53 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:149 Resp: 212671

Ion	Ratio	Lower	Upper
149	100		
177	22.9	19.2	28.8
150	13.1	9.6	14.4



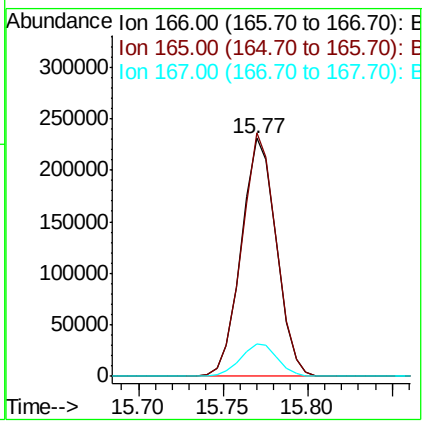


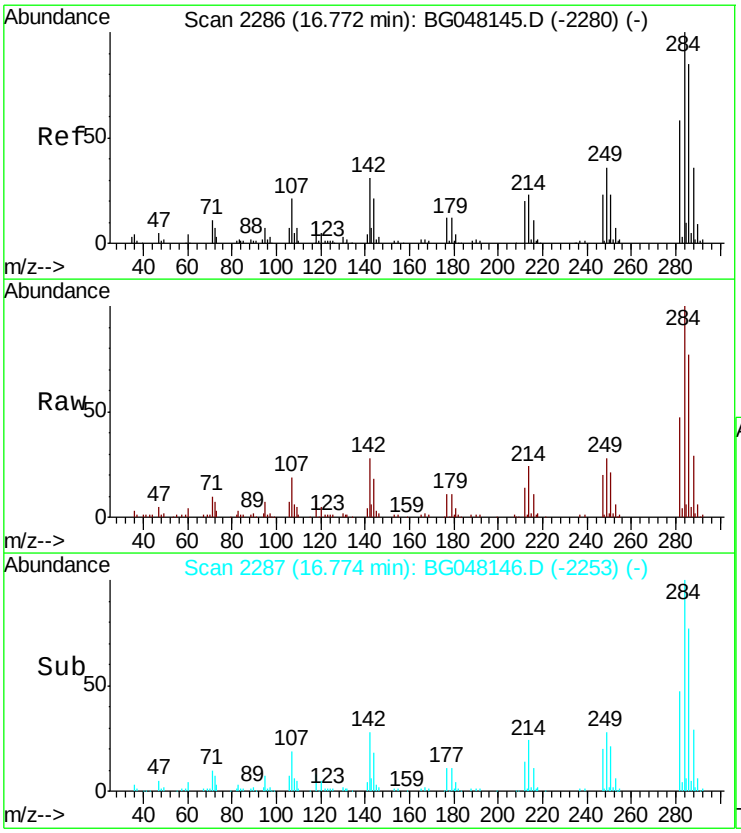
#61
Fluorene
Concen: 30.419 ng/ul
RT: 15.77 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:166 Resp: 334709

Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.4	119.0
167	13.7	11.3	16.9

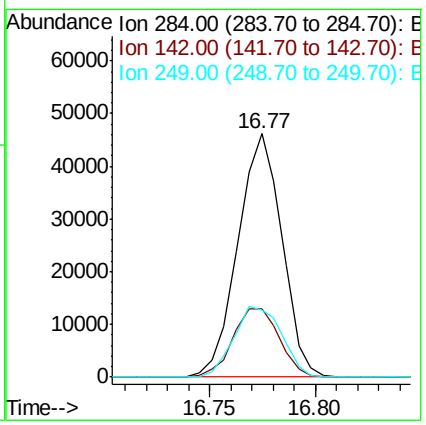


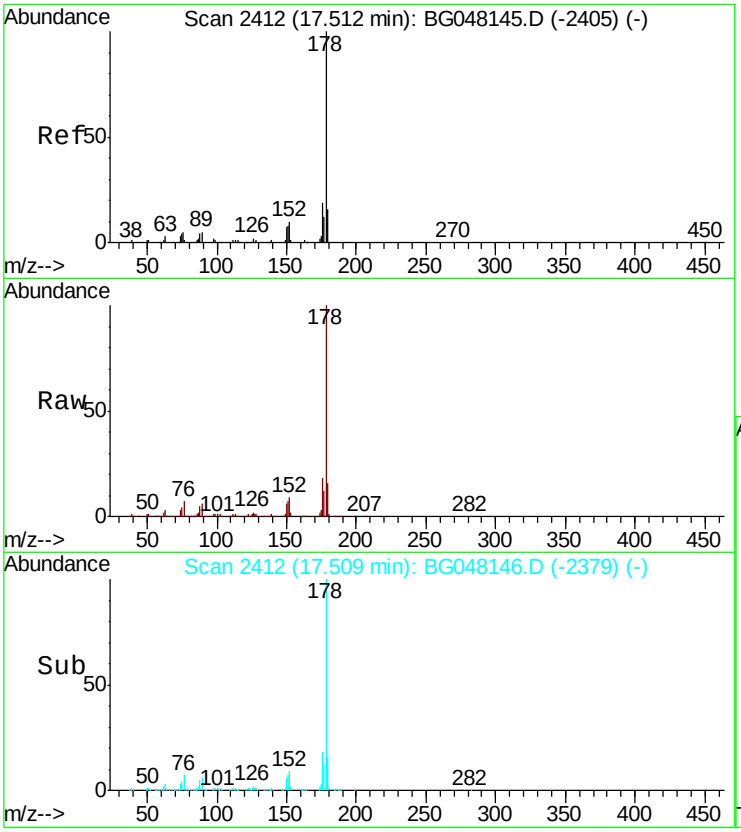


#69
Hexachlorobenzene
Concen: 14.048 ng/ul
RT: 16.77 min Scan# 2287
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:284 Resp: 66644

Ion	Ratio	Lower	Upper
284	100		
142	27.9	25.6	38.4
249	29.6	27.1	40.7



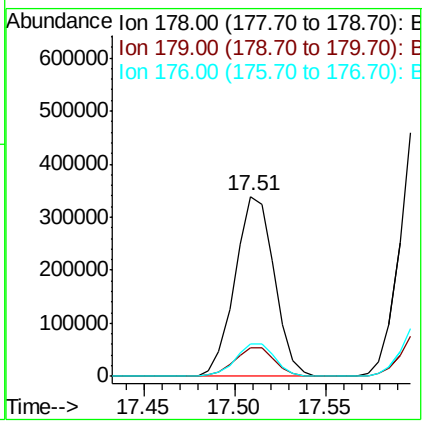


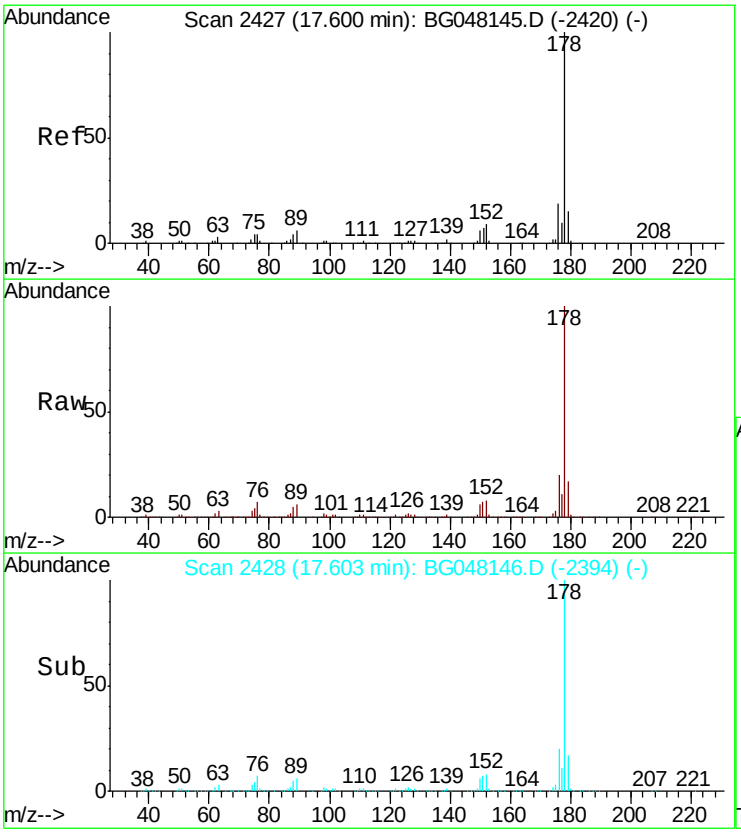
#72
Phenanthrene
Concen: 26.893 ng/ul
RT: 17.51 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:178 Resp: 514616

Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.3	19.9
176	18.2	15.0	22.6

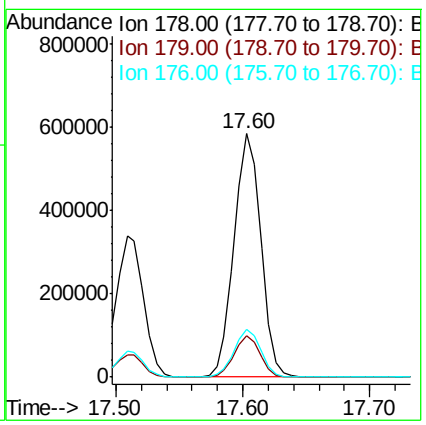


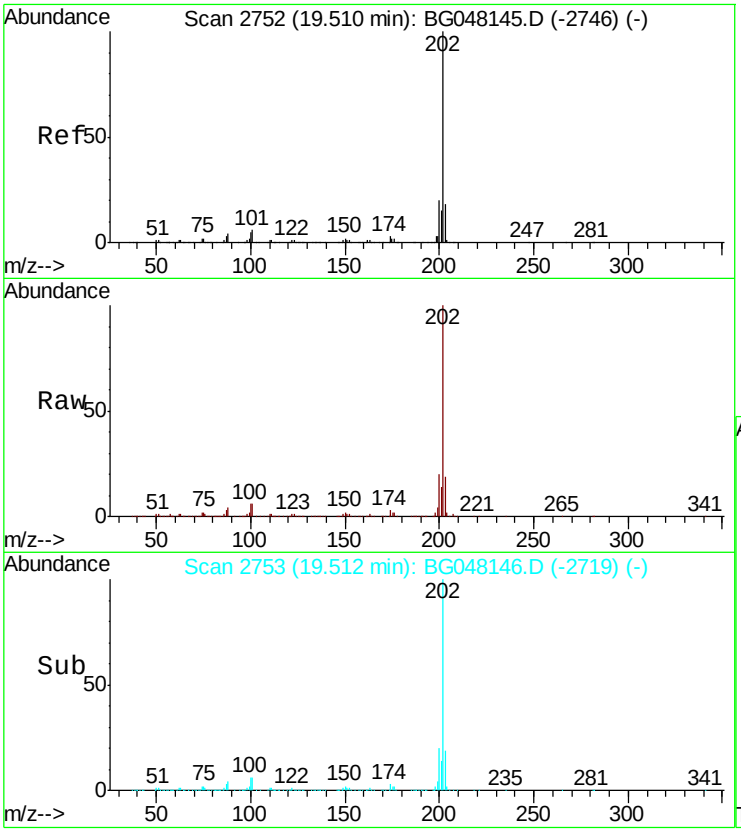


#74
Anthracene
Concen: 43.888 ng/ul
RT: 17.60 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:178 Resp: 853655

Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.8	19.2
176	19.5	15.7	23.5



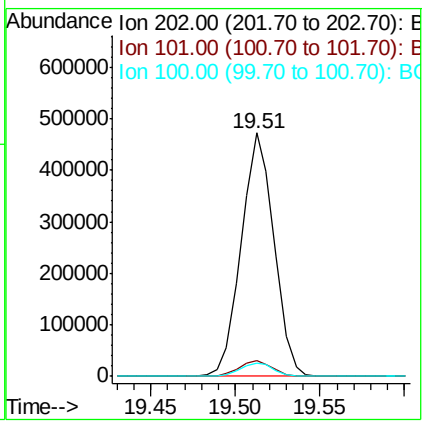


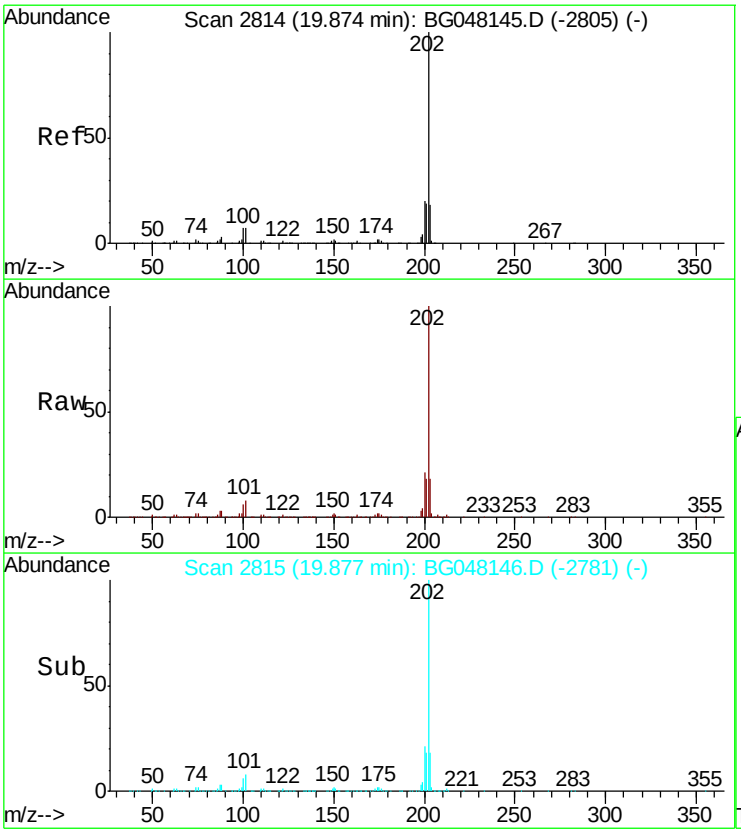
#80
Fluoranthene
Concen: 25.507 ng/ul
RT: 19.51 min Scan# 2753
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:202 Resp: 637436

Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.1	7.7
100	5.5	4.2	6.4

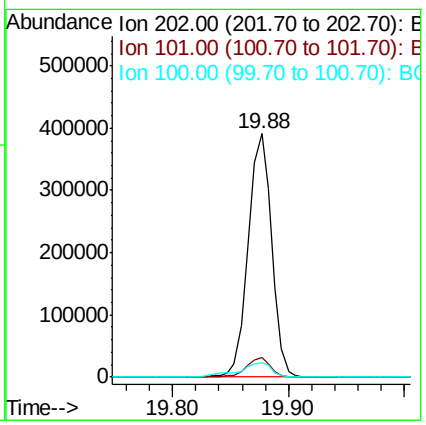


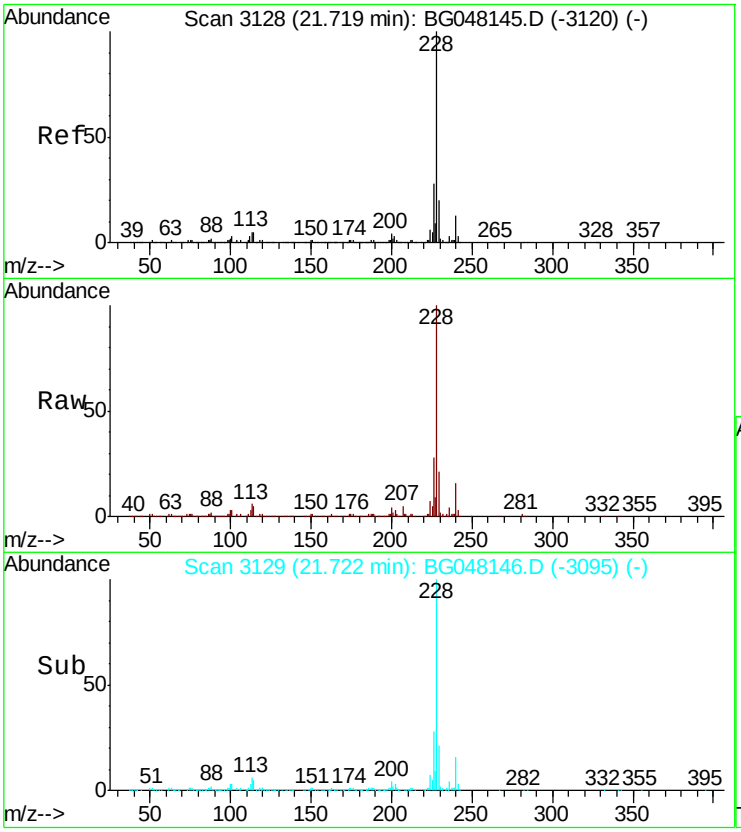


#82
Pyrene
Concen: 22.673 ng/ul
RT: 19.88 min Scan# 2815
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:202 Resp: 554610

Ion	Ratio	Lower	Upper
202	100		
101	8.0	5.8	8.6
100	6.1	5.5	8.3



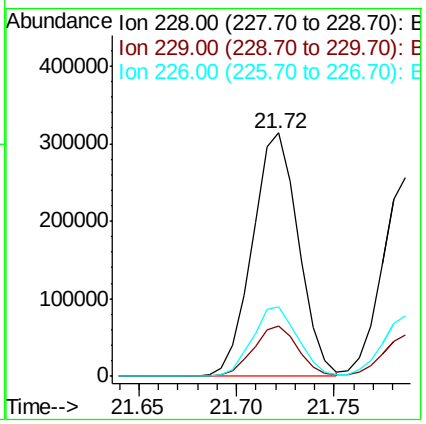


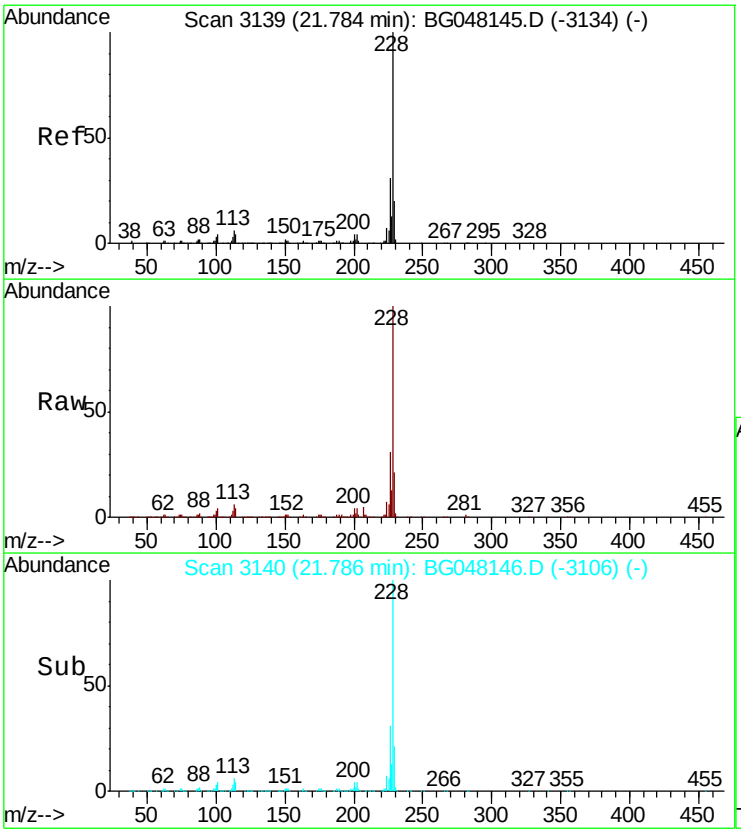
#85
Benzo(a)anthracene
Concen: 20.916 ng/ul
RT: 21.72 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:228 Resp: 513378

Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.2	24.2
226	28.3	21.2	31.8

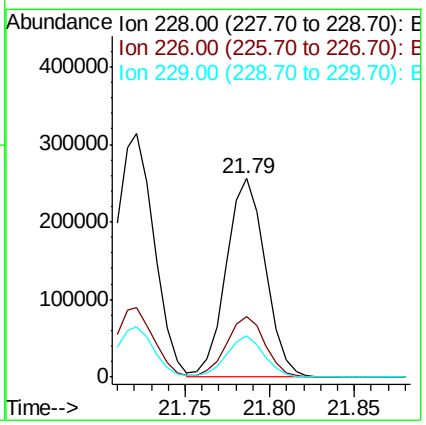


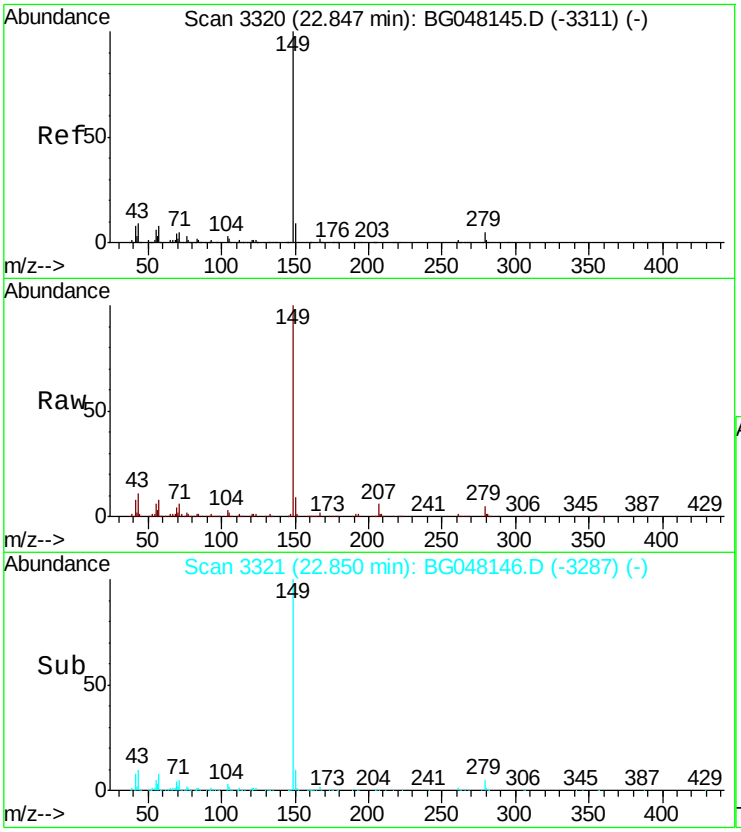


#87
Chrysene
Concen: 17.418 ng/ul
RT: 21.79 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:228 Resp: 412387

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	20.6	15.6	23.4

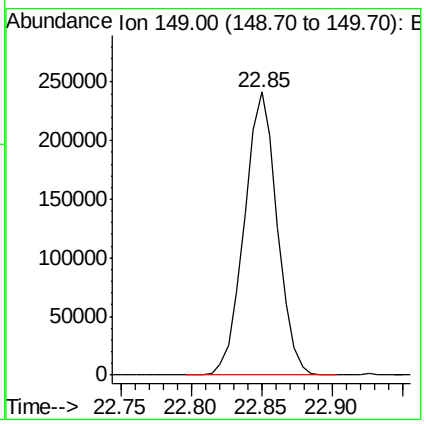


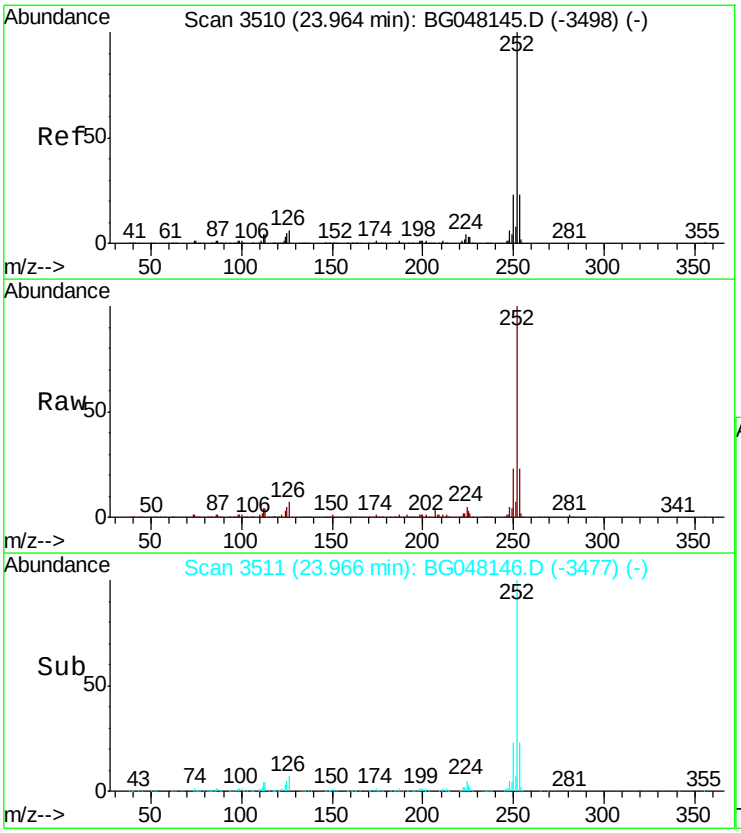


#89
Di-n-octyl phthalate
Concen: 19.921 ng/ul
RT: 22.85 min Scan# 3321
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:149 Resp: 393887

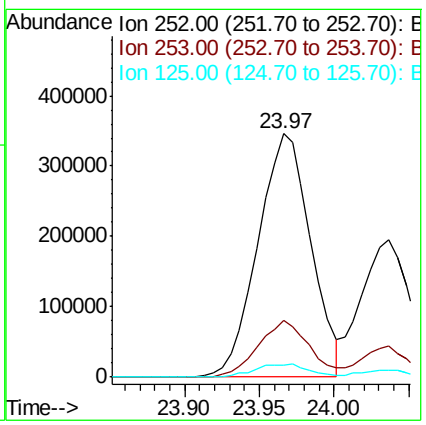


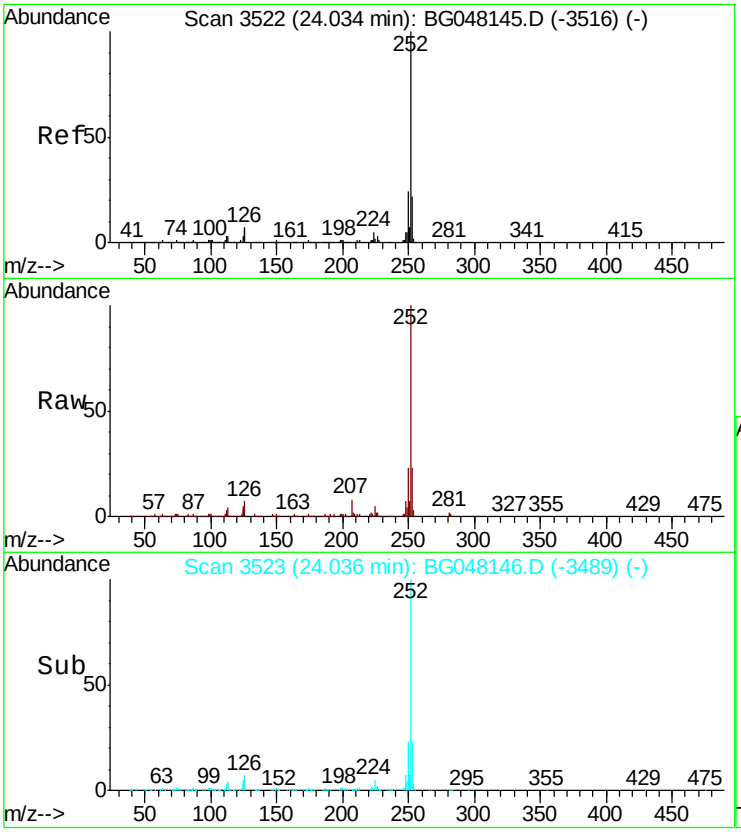


#90
Benzo(b)fluoranthene
Concen: 36.079 ng/ul
RT: 23.97 min Scan# 3511
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:252 Resp: 850656

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	4.9	4.2	6.4



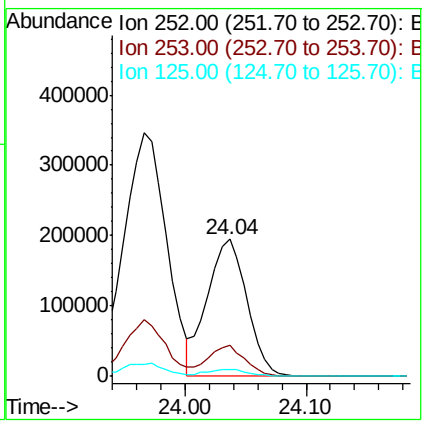


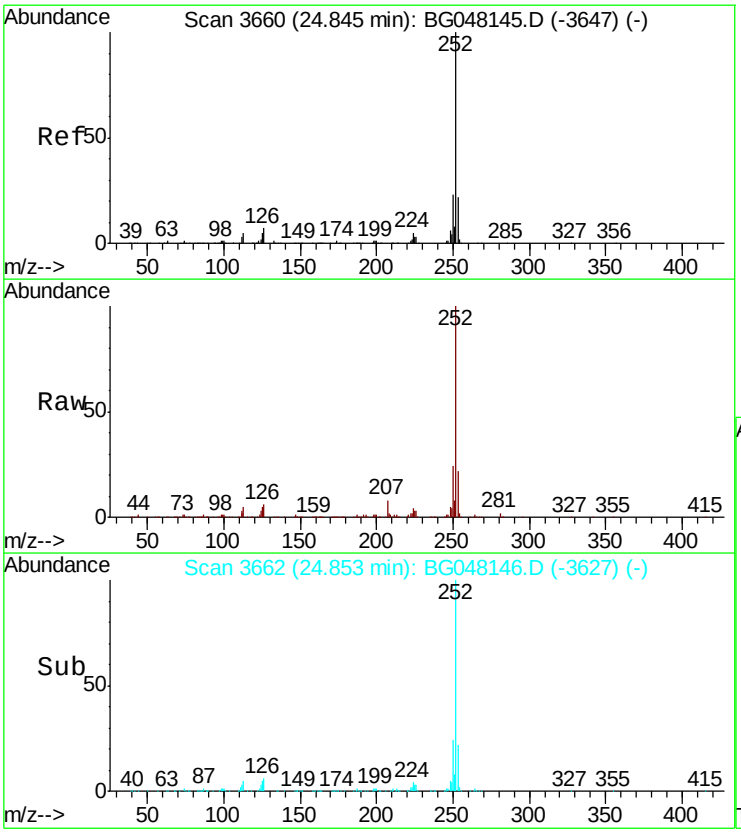
#91
Benzo(k)fluoranthene
Concen: 19.303 ng/ul
RT: 24.04 min Scan# 3523
Delta R.T. 0.00 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:252 Resp: 444505

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	5.1	3.8	5.8

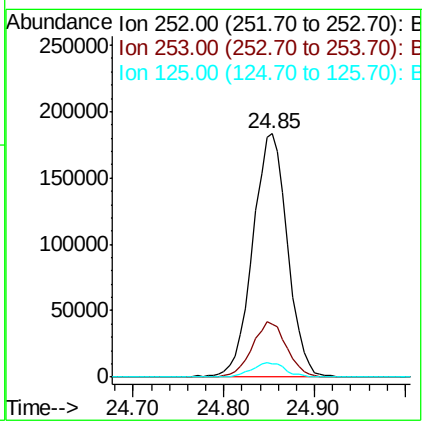


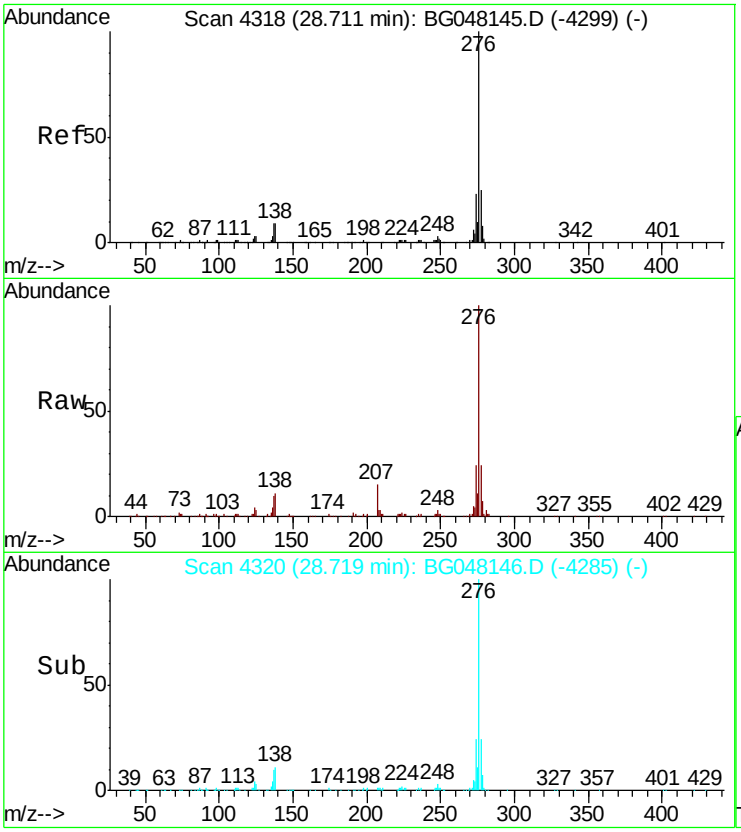


#93
Benzo(a)pyrene
Concen: 22.690 ng/ul
RT: 24.85 min Scan# 3662
Delta R.T. 0.01 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:252 Resp: 487948

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.3	27.5
125	5.5	5.0	7.4



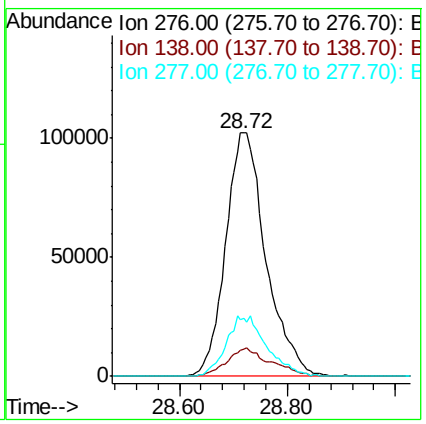


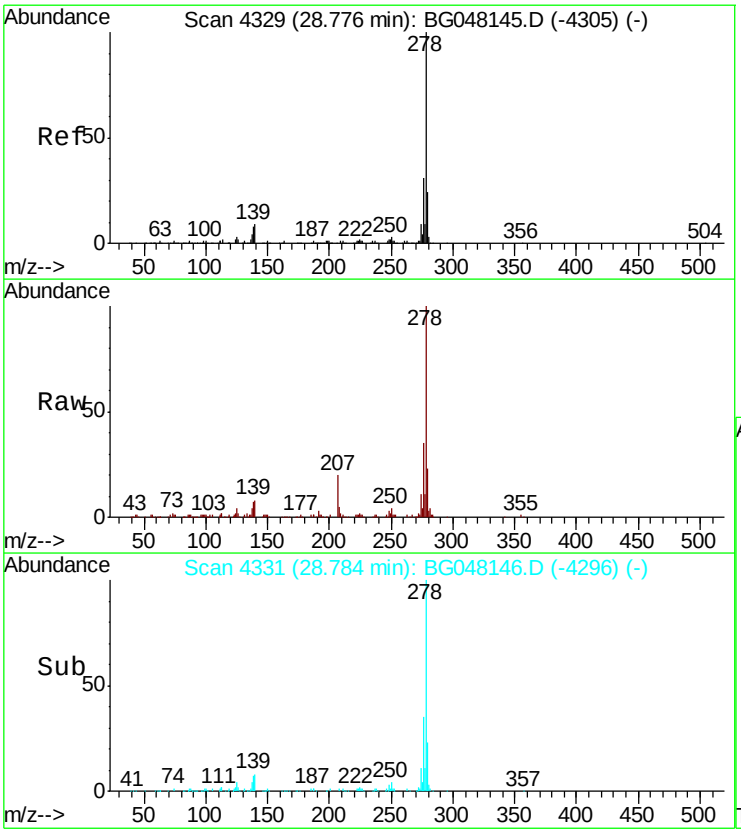
#94
Indeno(1,2,3-cd)pyrene
Concen: 19.892 ng/ul
RT: 28.72 min Scan# 4320
Delta R.T. 0.01 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:276 Resp: 530384

Ion	Ratio	Lower	Upper
276	100		
138	11.0	8.9	13.3
277	23.9	19.8	29.8

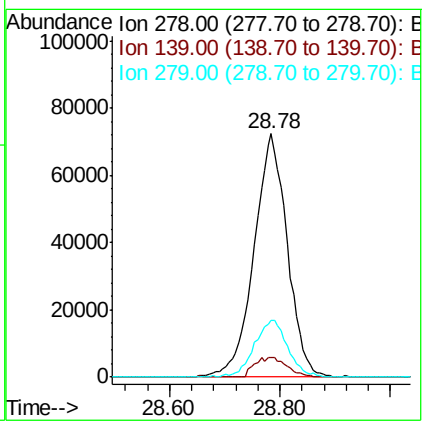


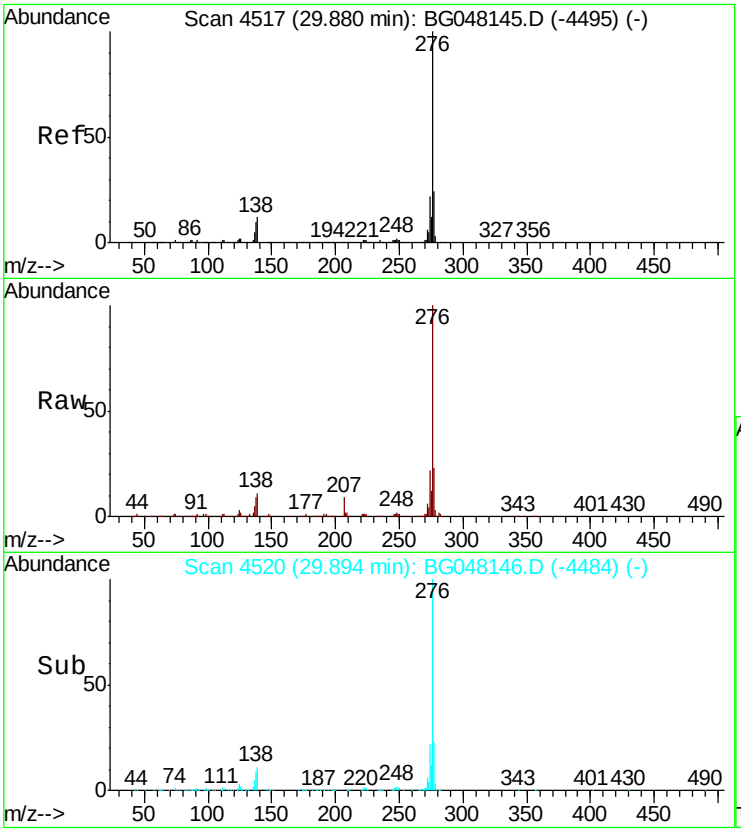


#95
Dibenzo(a,h)anthracene
Concen: 13.706 ng/ul
RT: 28.78 min Scan# 4331
Delta R.T. 0.01 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Tgt Ion:278 Resp: 302874

Ion	Ratio	Lower	Upper
278	100		
139	7.9	7.1	10.7
279	23.4	19.0	28.4





#96
Benzo(g,h,i)perylene
Concen: 31.213 ng/ul
RT: 29.89 min Scan# 4520
Delta R.T. 0.01 min
Lab File: BG048146.D
Acq: 12 Feb 2021 12:49

Instrument :
BNA_G
ClientSampleId :
X2Z61

Tgt Ion:276 Resp: 694224

Ion	Ratio	Lower	Upper
276	100		
138	11.2	9.4	14.0
277	23.1	18.5	27.7