Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
Data File : BG045689.D
Acq On : 10 Jun 2020 13:13
Operator : CG/JU
Sample : PB129414BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB129414BS

Manual Integrations APPROVED
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6/11/2020 1:47:53 PM

Quant Time: Jun 10 18:43:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 01 15:07:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	50092	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	212965	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	166108	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	404094	20.00	ng	0.00
76) Chrysene-d12	21.60	240	376578	20.00	ng	0.00
87) Perylene-d12	24.74	264	414285	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	367148	143.24	ng	0.00
7) Phenol-d6	7.13	99	530043	145.29	ng	-0.01
23) Nitrobenzene-d5	9.11	82	342289	87.65	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	280017	131.81	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	815805	83.31	ng	0.00
79) Terphenyl-d14	19.95	244	1483933	91.91	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.39	88	45107	35.488	ng	96
3) Pyridine	3.79	79	131346	37.104	ng	96
4) n-Nitrosodimethylamine	3.71	42	55170	47.627	ng	81
6) Aniline	7.27	93	146226	30.705	ng	99
8) 2-Chlorophenol	7.52	128	140117	49.849	ng	98
9) Benzaldehyde	7.08	77	102446	43.101	ng	96
10) Phenol	7.16	94	190412	50.642	ng	94
11) bis(2-Chloroethyl)ether	7.36	93	130306	44.431	ng	98
12) 1,3-Dichlorobenzene	7.83	146	144374	42.742	ng	98
13) 1,4-Dichlorobenzene	7.98	146	150096	45.027	ng	99
14) 1,2-Dichlorobenzene	8.30	146	140613	43.858	ng	96
15) Benzyl Alcohol	8.19	79	147113	48.814	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.47	45	120959	43.450	ng	99
17) 2-Methylphenol	8.41	107	131015	46.554	ng	96
18) Hexachloroethane	9.03	117	56664	44.383	ng	93
19) n-Nitroso-di-n-propylamine	8.75	70	122446	48.537	ng	97
20) 3+4-Methylphenols	8.74	107	175456	45.783	ng	94
22) Acetophenone	8.77	105	213908	42.379	ng	99
24) Nitrobenzene	9.15	77	182919	43.717	ng	98
25) Isophorone	9.67	82	335704	43.648	ng	99
26) 2-Nitrophenol	9.86	139	82413	46.043	ng	95
27) 2,4-Dimethylphenol	9.94	122	135933	51.204	ng	95
28) bis(2-Chloroethoxy)methane	10.15	93	184202	45.668	ng	99
29) 2,4-Dichlorophenol	10.41	162	152528	48.654	ng	98
30) 1,2,4-Trichlorobenzene	10.62	180	160959	43.451	ng	99
31) Naphthalene	10.80	128	438594	44.195	ng	99
32) Benzoic acid	10.11	122	59246	35.984	ng	95
33) 4-Chloroaniline	10.92	127	77171	18.603	ng	98
34) Hexachlorobutadiene	11.09	225	108363	41.384	ng	99
35) Caprolactam	11.69	113	53160m	46.199	ng	
36) 4-Chloro-3-methylphenol	12.06	107	180310	51.042	ng	93
37) 2-Methylnaphthalene	12.41	142	339976	45.963	ng	97
38) 1-Methylnaphthalene	12.63	142	324703m	46.471	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	193451	41.695	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.76	237	239472	89.424	ng		98
43) 2,4,6-Trichlorophenol	13.03	196	139419	43.258	ng		92
44) 2,4,5-Trichlorophenol	13.11	196	144610	39.264	ng		97
46) 1,1'-Biphenyl	13.42	154	450358	44.124	ng		100
47) 2-Chloronaphthalene	13.47	162	344637	41.582	ng		99
48) 2-Nitroaniline	13.67	65	119393	43.793	ng		99
49) Acenaphthylene	14.31	152	579665	43.542	ng		99
50) Dimethylphthalate	14.05	163	493810	43.336	ng		99
51) 2,6-Dinitrotoluene	14.17	165	110943	43.147	ng		97
52) Acenaphthene	14.65	154	348828	39.144	ng		99
53) 3-Nitroaniline	14.50	138	62036	23.734	ng	#	89
54) 2,4-Dinitrophenol	14.71	184	129297	76.985	ng		96
55) Dibenzofuran	14.99	168	575216	43.467	ng		97
56) 4-Nitrophenol	14.84	139	143129	72.328	ng		89
57) 2,4-Dinitrotoluene	14.96	165	163754	43.974	ng		98
58) Fluorene	15.64	166	493181	45.363	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.22	232	140978	43.508	ng		97
60) Diethylphthalate	15.41	149	528080	44.525	ng		98
61) 4-Chlorophenyl-phenylether	15.63	204	271399	43.624	ng		99
62) 4-Nitroaniline	15.67	138	112032	41.057	ng		97
63) Azobenzene	15.93	77	507794	45.917	ng		99
65) 4,6-Dinitro-2-methylphenol	15.73	198	103701	44.064	ng		97
66) n-Nitrosodiphenylamine	15.85	169	438442	45.190	ng		99
67) 4-Bromophenyl-phenylether	16.53	248	191949	43.867	ng		97
68) Hexachlorobenzene	16.65	284	206167	45.048	ng		96
69) Atrazine	16.80	200	170201	42.590	ng		100
70) Pentachlorophenol	17.00	266	185489	78.056	ng		97
71) Phenanthrene	17.38	178	807383	45.768	ng		99
72) Anthracene	17.47	178	822011	46.400	ng		98
73) Carbazole	17.74	167	748045	43.319	ng		100
74) Di-n-butylphthalate	18.30	149	900737	43.458	ng		99
75) Fluoranthene	19.39	202	1001535	44.635	ng		99
77) Benzidine	19.58	184	409501	38.718	ng		99
78) Pyrene	19.75	202	990890	46.160	ng		99
80) Butylbenzylphthalate	20.64	149	389239	42.009	ng		96
81) Benzo(a)anthracene	21.58	228	936969	44.664	ng		99
82) 3,3'-Dichlorobenzidine	21.50	252	219418	26.665	ng		99
83) Chrysene	21.64	228	898464	44.542	ng		100
84) Bis(2-ethylhexyl)phthalate	21.49	149	553993	43.495	ng		98
85) Di-n-octyl phthalate	22.68	149	938211	42.888	ng		99
86) Indeno(1,2,3-cd)pyrene	28.31	276	1180839	44.767	ng		99
88) Benzo(b)fluoranthene	23.75	252	996843	44.865	ng		100
89) Benzo(k)fluoranthene	23.81	252	1011305m	48.448	ng		
90) Benzo(a)pyrene	24.59	252	939890	45.421	ng		98
91) Dibenzo(a,h)anthracene	28.37	278	957290	46.036	ng		98
92) Benzo(g,h,i)perylene	29.43	276	946796	45.526	ng		98

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

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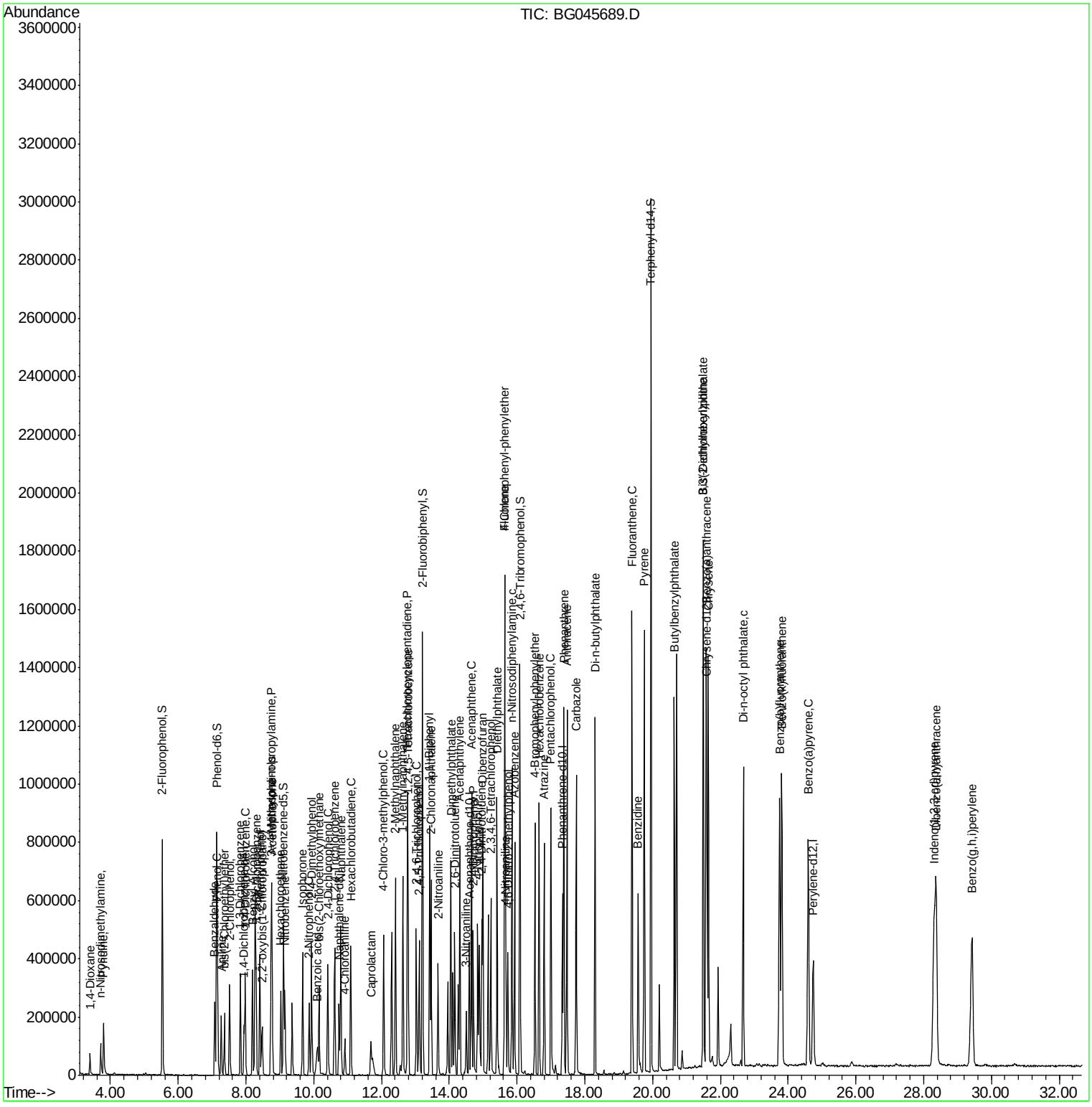
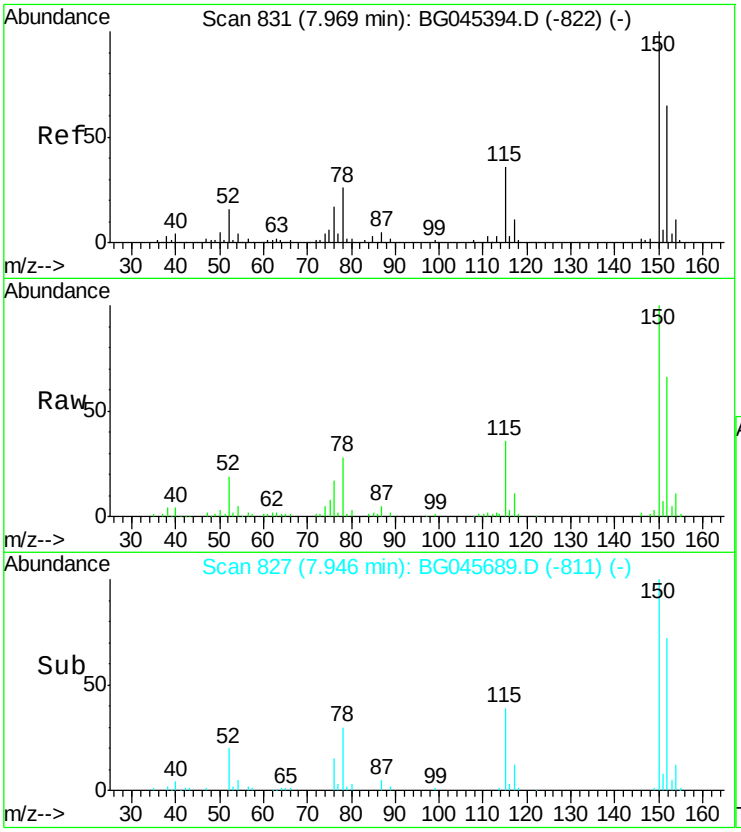
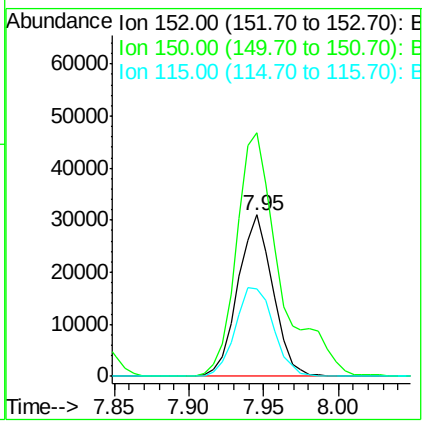




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:152 Resp: 50092

Ion	Ratio	Lower	Upper
152	100		
150	150.8	122.4	183.6
115	54.4	44.2	66.4



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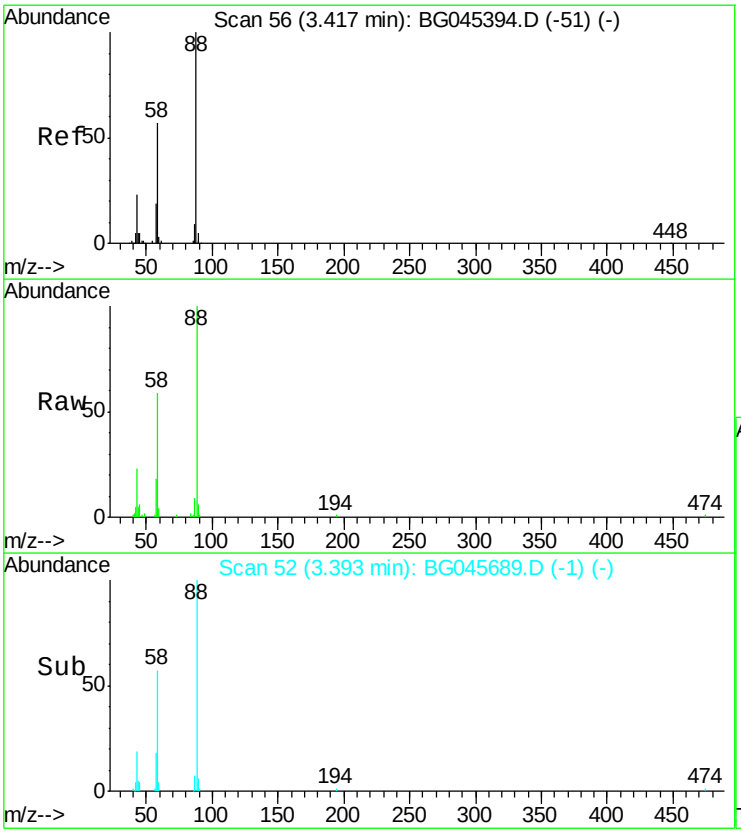
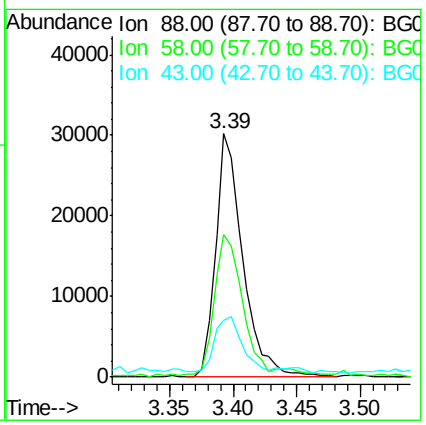
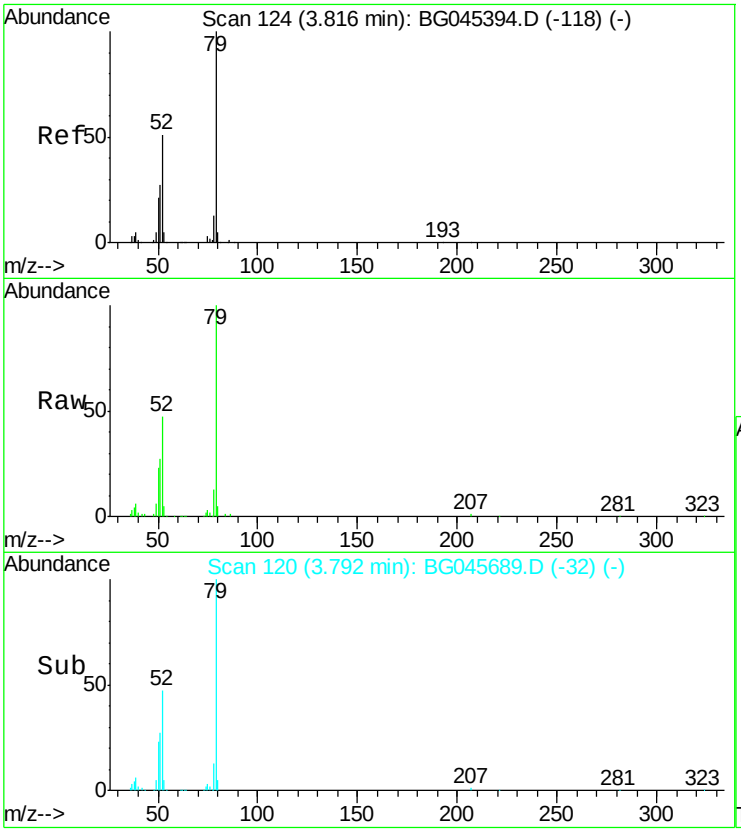


#2
1,4-Dioxane
Concen: 35.488 ng
RT: 3.39 min Scan# 52
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 88 Resp: 45107

Ion	Ratio	Lower	Upper
88	100		
58	59.8	45.7	68.5
43	22.8	16.8	25.2

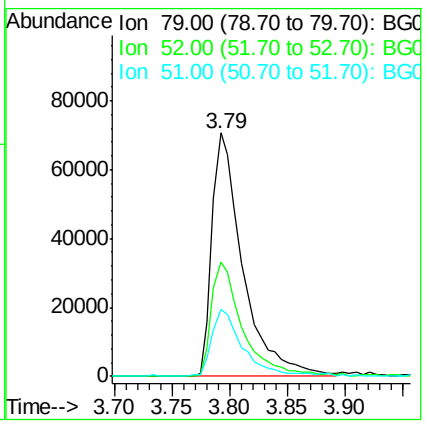




#3
Pyridine
Concen: 37.104 ng
RT: 3.79 min Scan# 120
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 79 Resp: 131346

Ion	Ratio	Lower	Upper
79	100		
52	46.9	40.8	61.2
51	27.3	21.9	32.9



Instrument :
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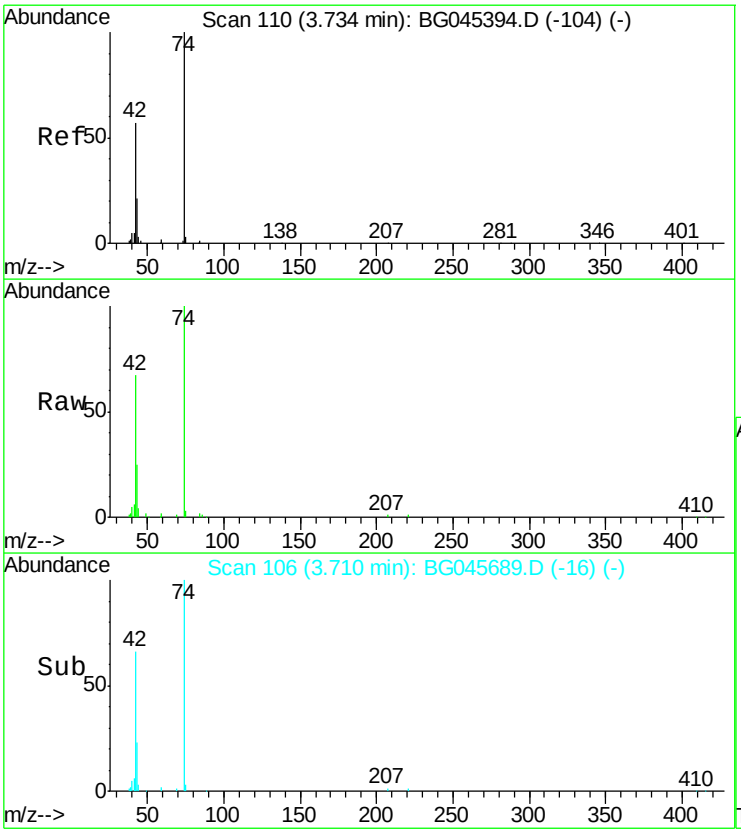
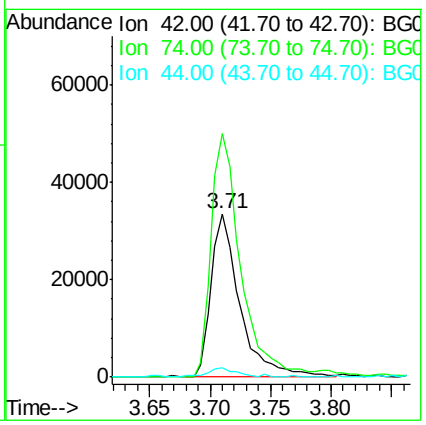
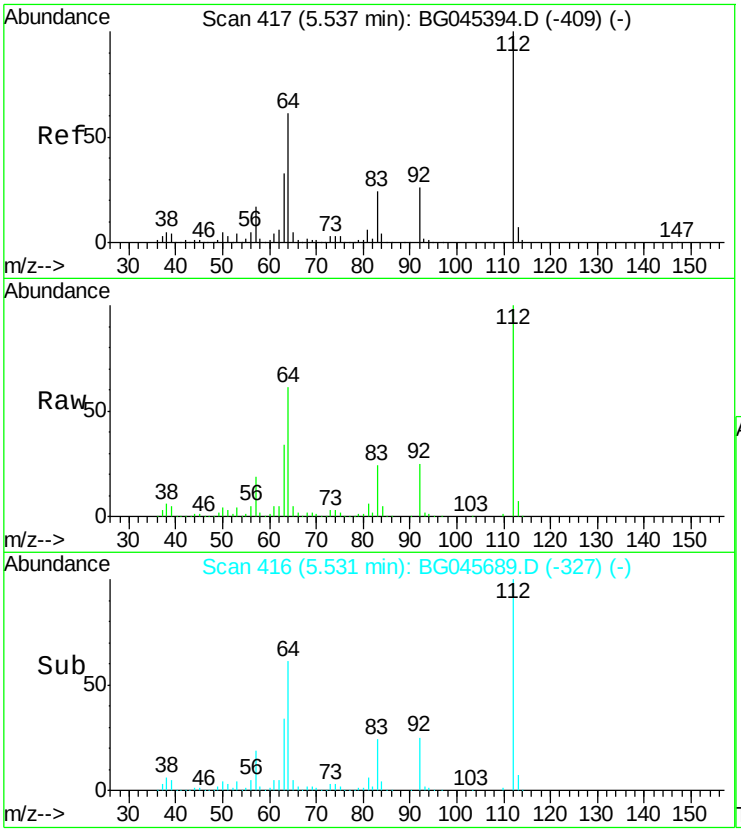


#4
n-Nitrosodimethylamine
Concen: 47.627 ng
RT: 3.71 min Scan# 106
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 42 Resp: 55170

Ion	Ratio	Lower	Upper
42	100		
74	149.3	141.3	211.9
44	5.4	4.2	6.4

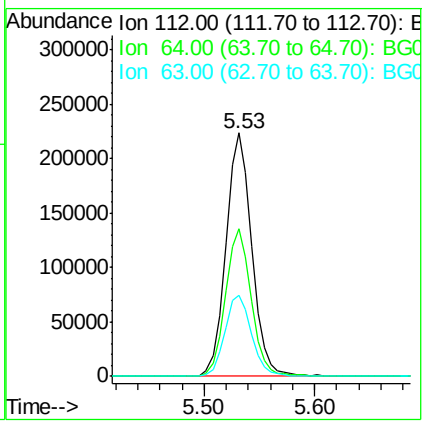




#5
2-Fluorophenol
Concen: 143.240 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:112 Resp: 367148

Ion	Ratio	Lower	Upper
112	100		
64	60.8	48.6	72.8
63	33.5	26.5	39.7



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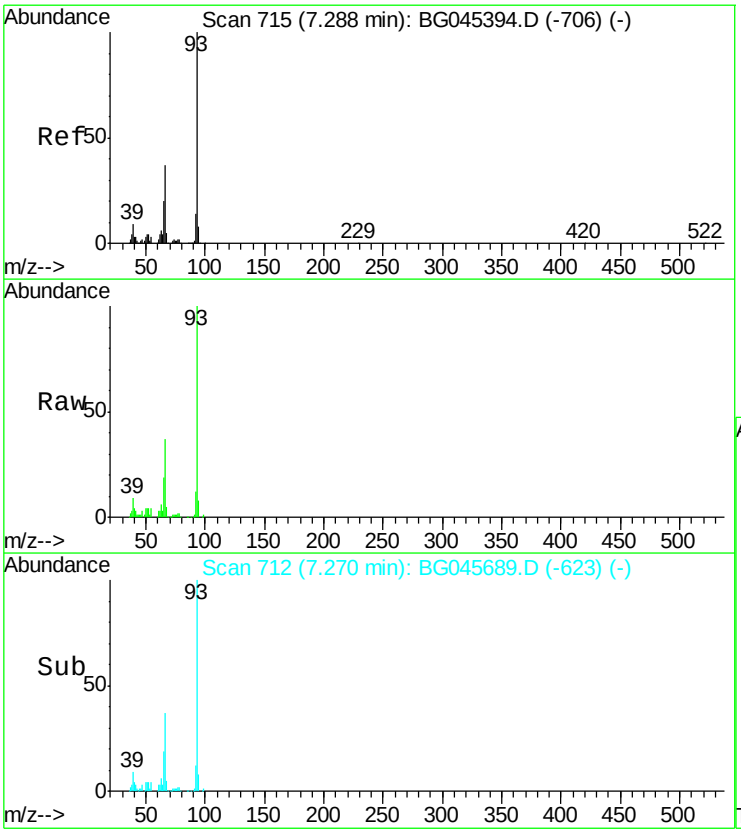
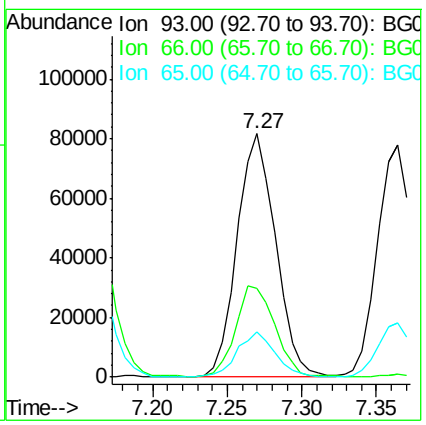
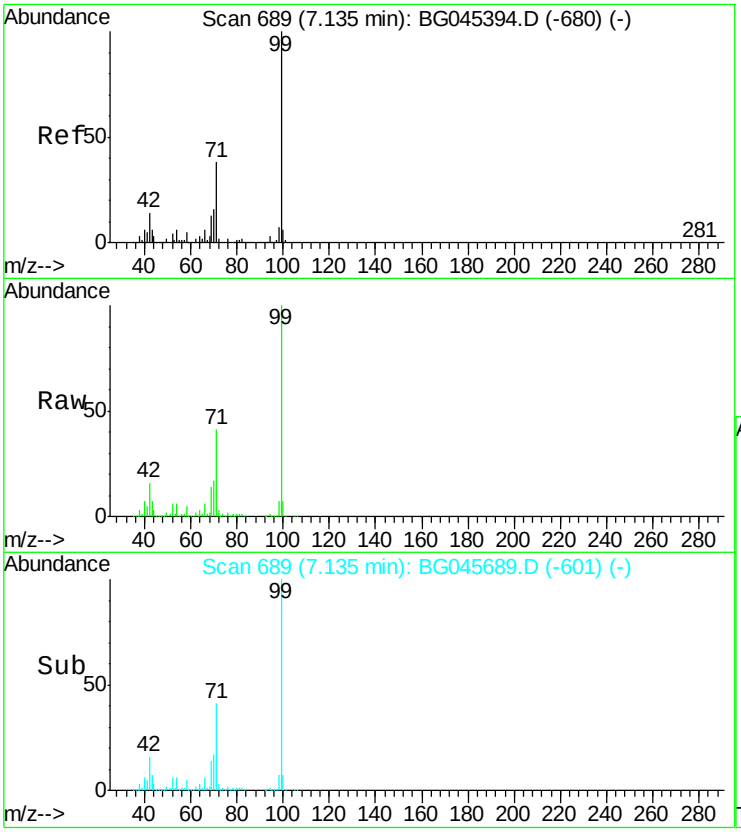


#6
Aniline
Concen: 30.705 ng
RT: 7.27 min Scan# 712
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 93 Resp: 146226

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.6	44.4
65	18.6	15.9	23.9

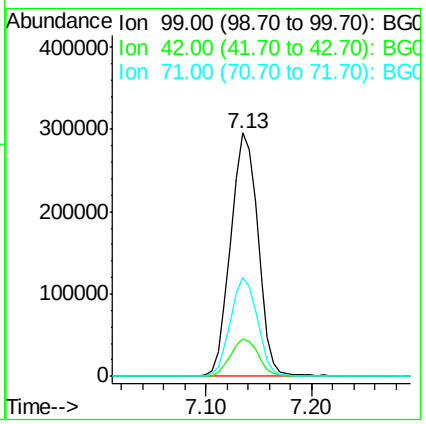




#7
Phenol-d6
Concen: 145.290 ng
RT: 7.13 min Scan# 689
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 99 Resp: 530043

Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.3	16.9
71	40.9	30.8	46.2



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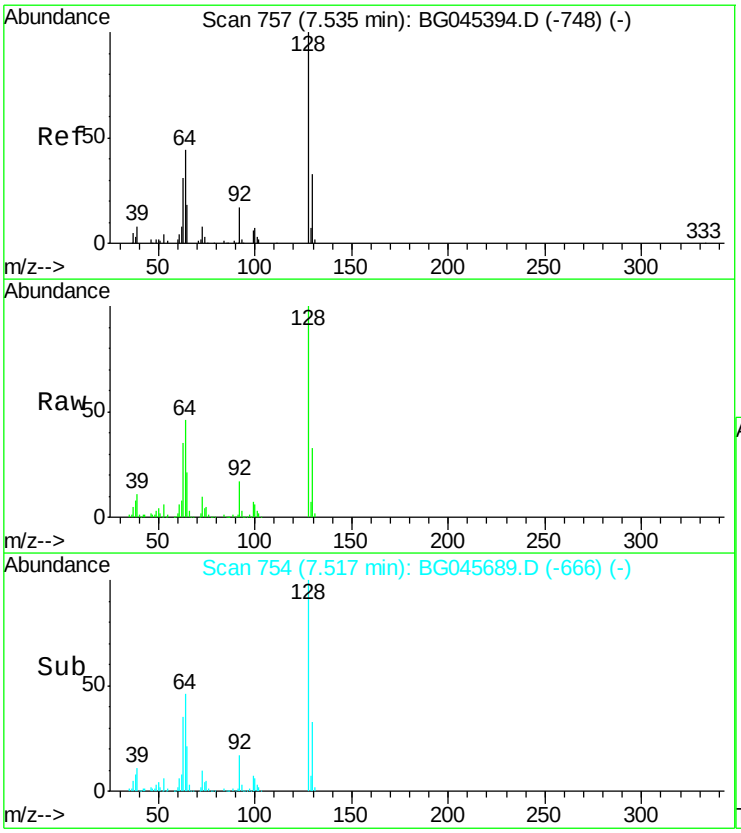
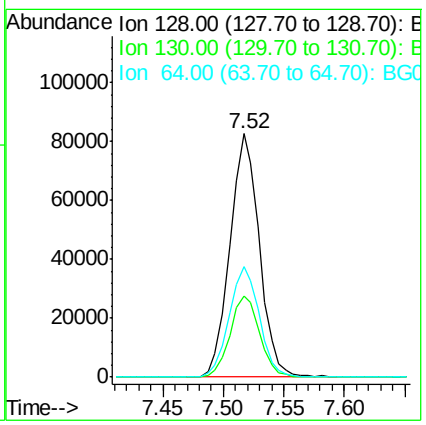
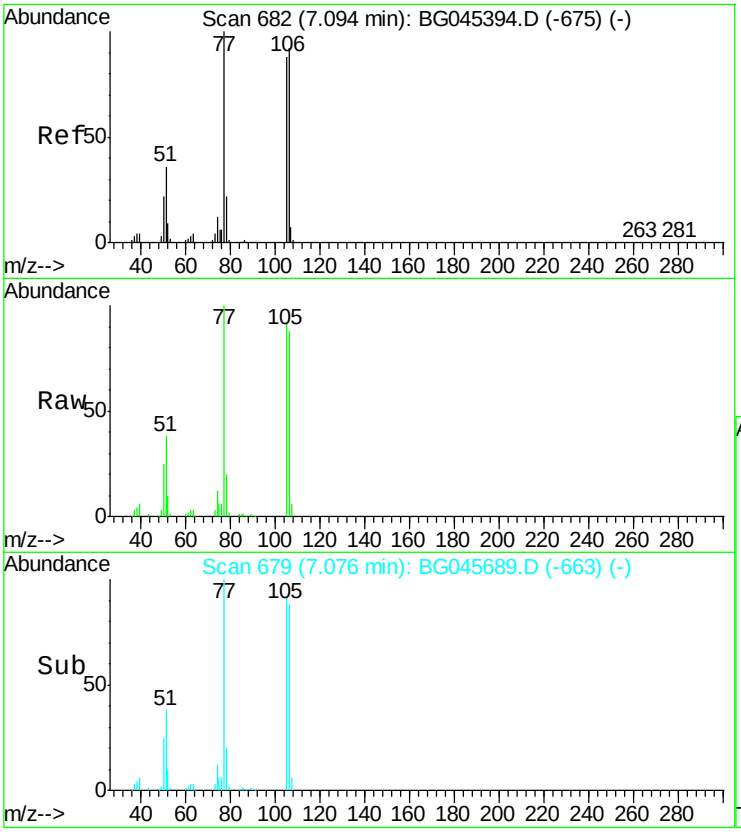


#8
2-Chlorophenol
Concen: 49.849 ng
RT: 7.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:128 Resp: 140117

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	45.5	27.0	67.0

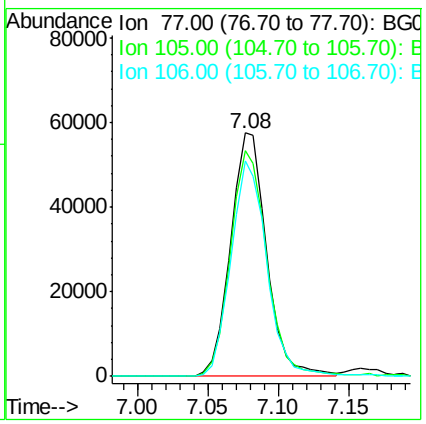




#9
Benzaldehyde
Concen: 43.101 ng
RT: 7.08 min Scan# 679
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 77 Resp: 102446

Ion	Ratio	Lower	Upper
77	100		
105	92.5	68.5	108.5
106	88.4	71.6	111.6



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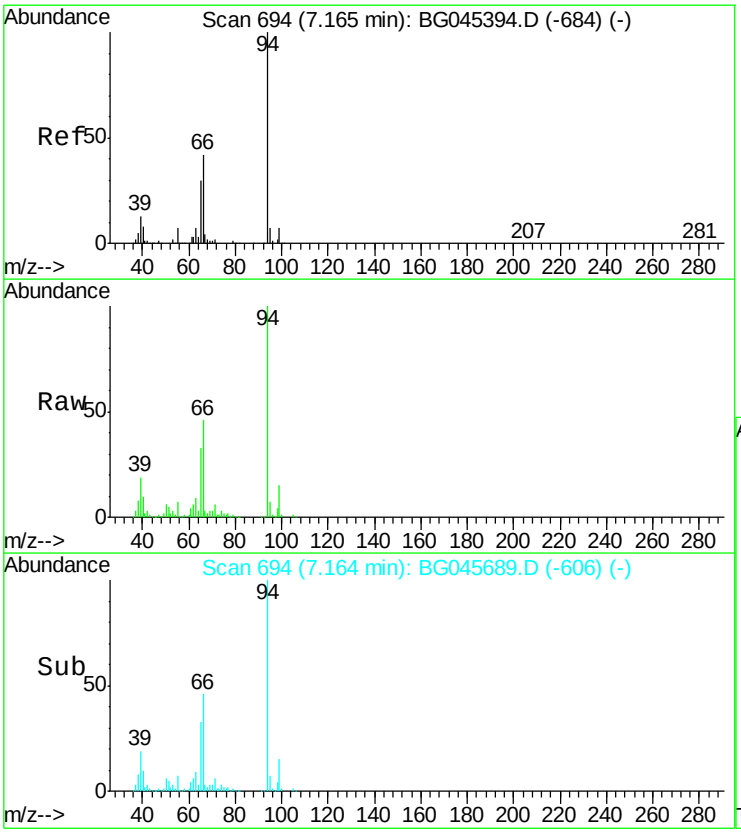
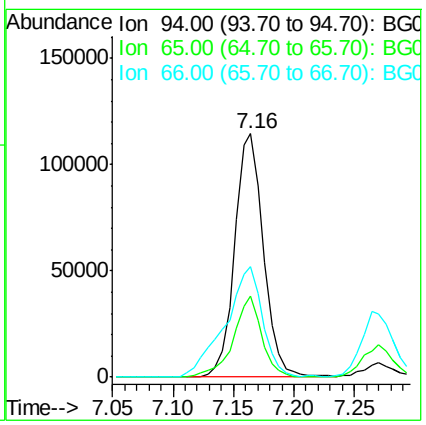
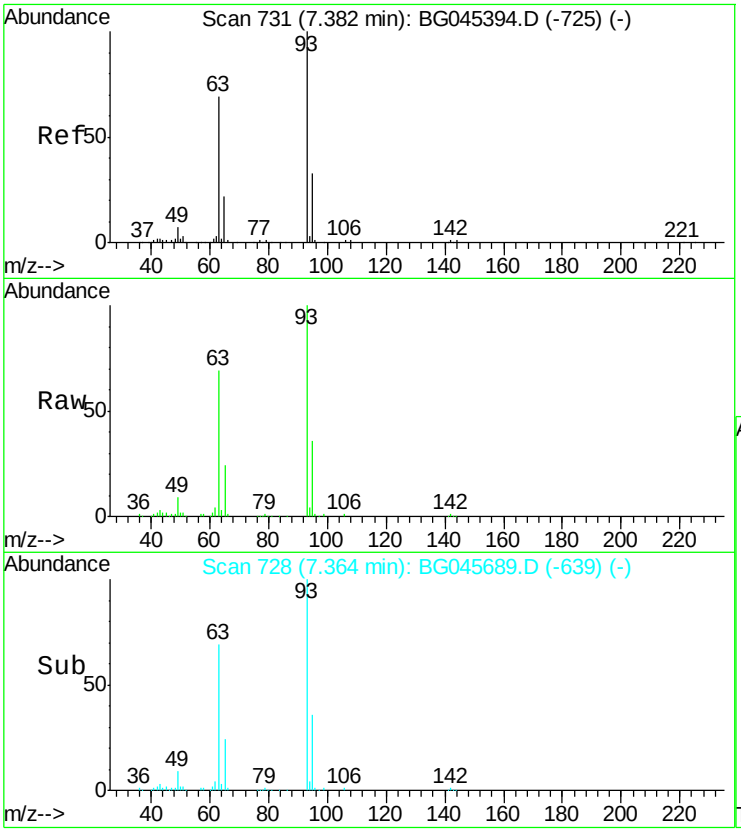


#10
Phenol
Concen: 50.642 ng
RT: 7.16 min Scan# 694
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 94 Resp: 190412

Ion	Ratio	Lower	Upper
94	100		
65	33.1	9.8	49.8
66	45.5	22.0	62.0

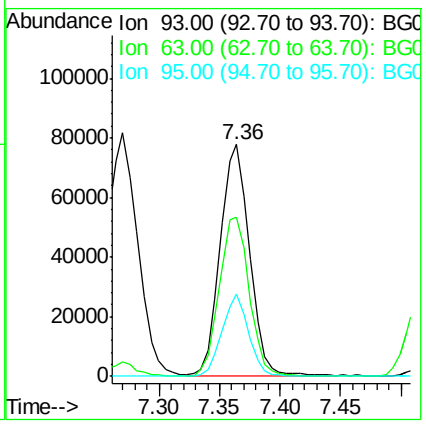




#11
bis(2-Chloroethyl)ether
Concen: 44.431 ng
RT: 7.36 min Scan# 728
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 93 Resp: 130306

Ion	Ratio	Lower	Upper
93	100		
63	68.7	48.4	88.4
95	35.5	12.4	52.4



Instrument :
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ClientSampleId :
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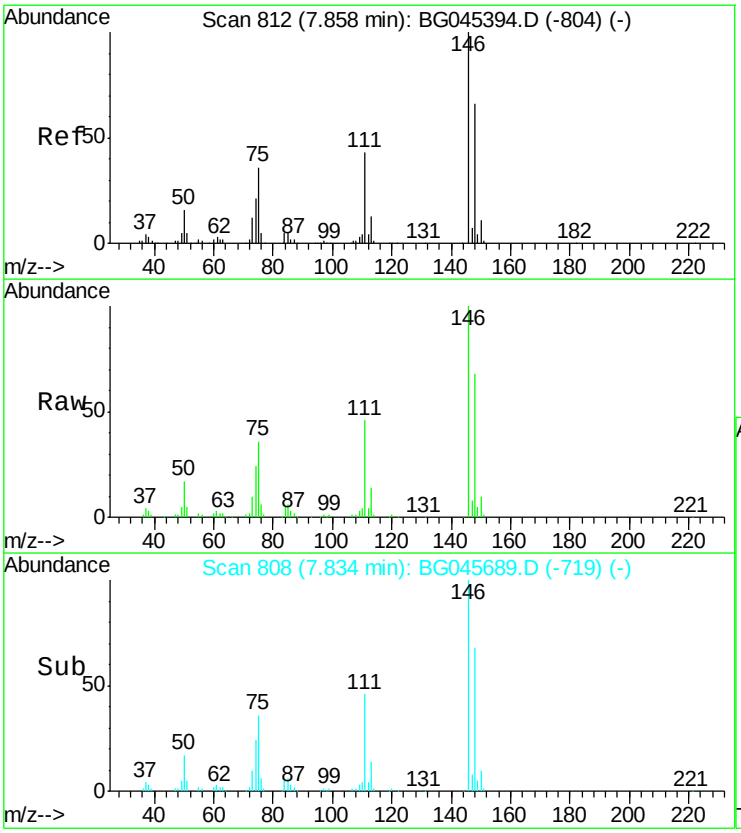
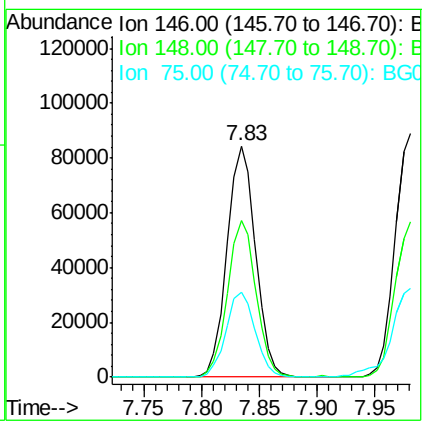
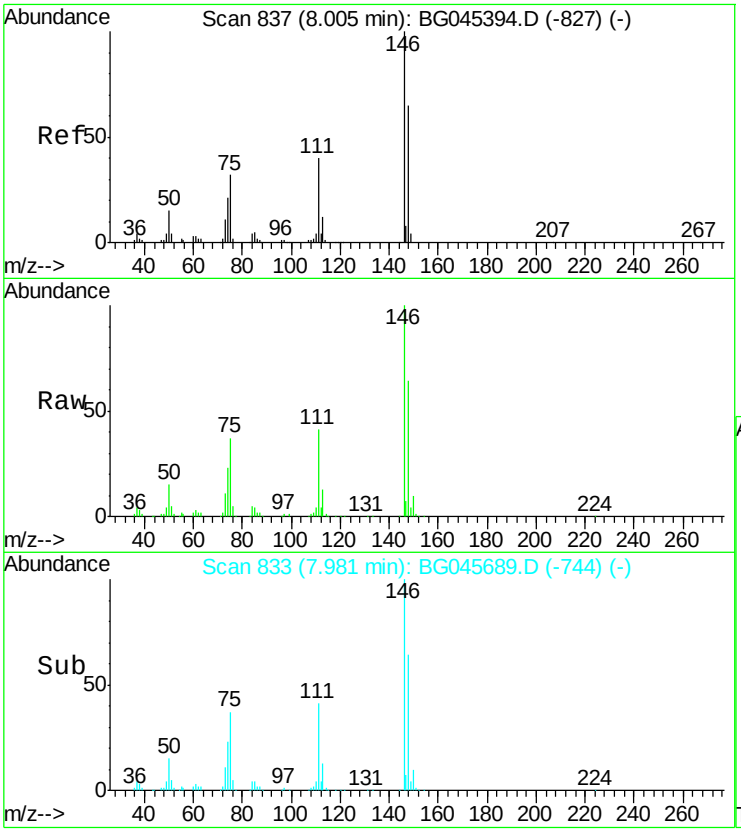


#12
1,3-Dichlorobenzene
Concen: 42.742 ng
RT: 7.83 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:146 Resp: 144374

Ion	Ratio	Lower	Upper
146	100		
148	67.9	53.2	79.8
75	36.5	28.6	43.0

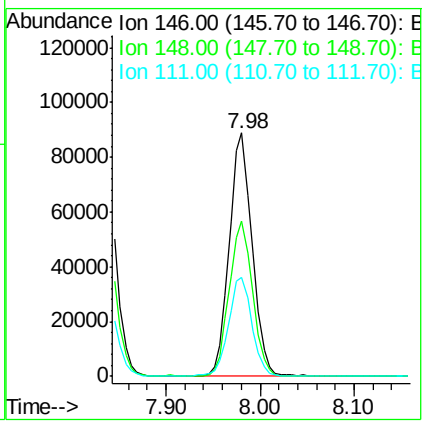




#13
1,4-Dichlorobenzene
Concen: 45.027 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:146 Resp: 150096

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.8
111	40.8	32.1	48.1



Instrument :
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ClientSampleId :
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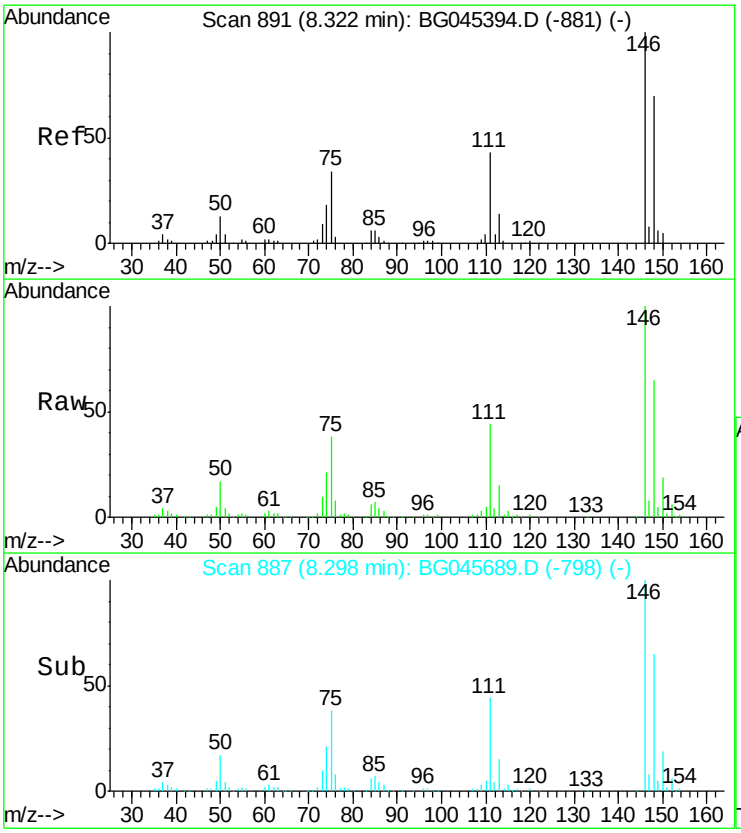
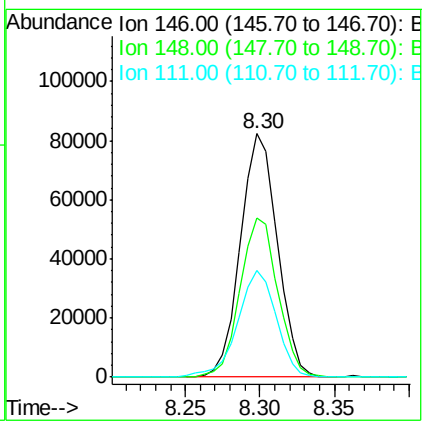
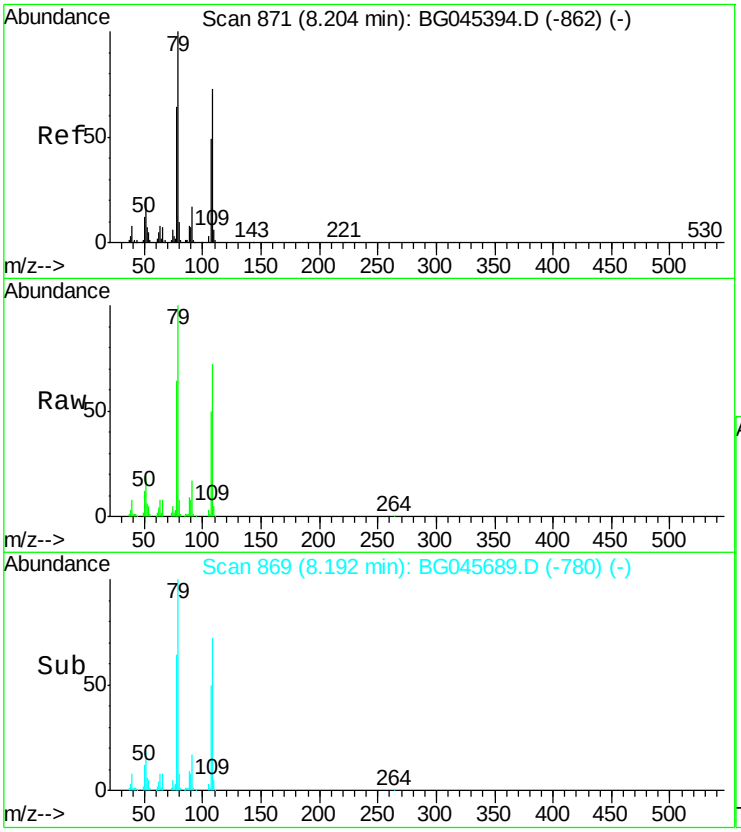


#14
1,2-Dichlorobenzene
Concen: 43.858 ng
RT: 8.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:146 Resp: 140613

Ion	Ratio	Lower	Upper
146	100		
148	65.3	55.9	83.9
111	43.6	35.0	52.4





#15
Benzyl Alcohol
Concen: 48.814 ng
RT: 8.19 min Scan# 869
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 79 Resp: 147113

Ion	Ratio	Lower	Upper
79	100		
108	72.3	58.2	87.4
77	64.2	51.0	76.4

Instrument :
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ClientSampleId :
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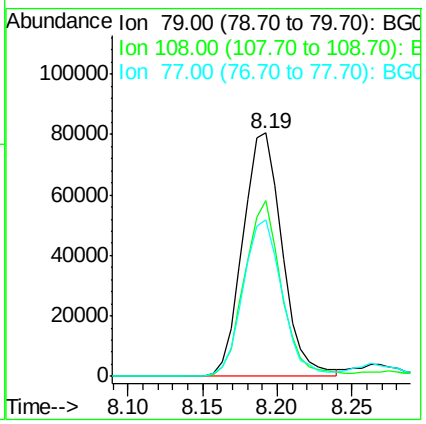
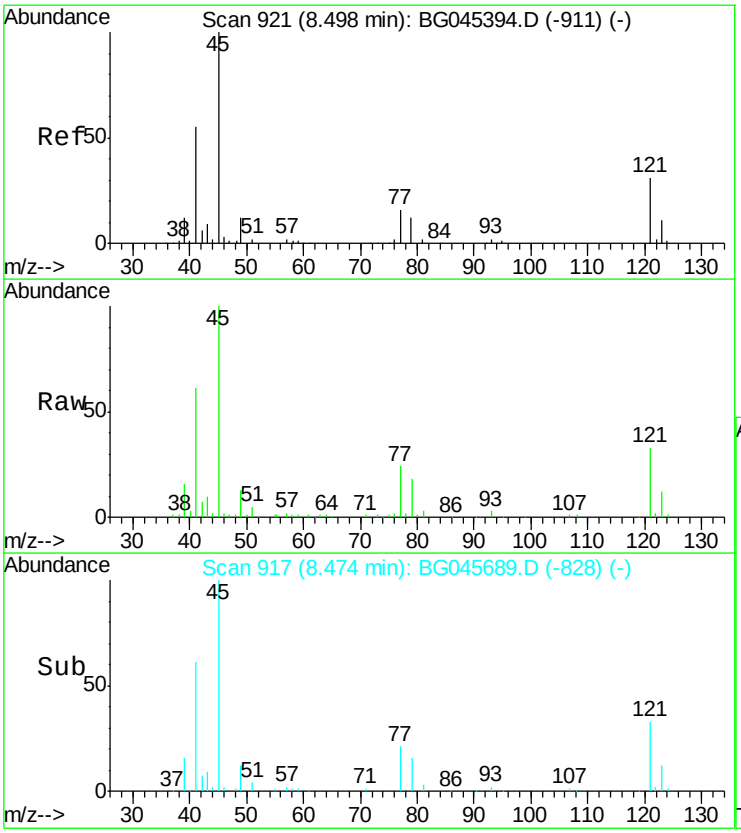
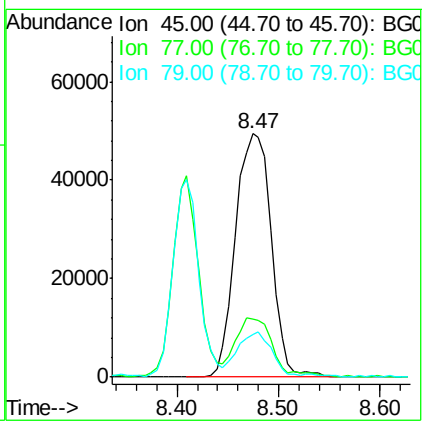


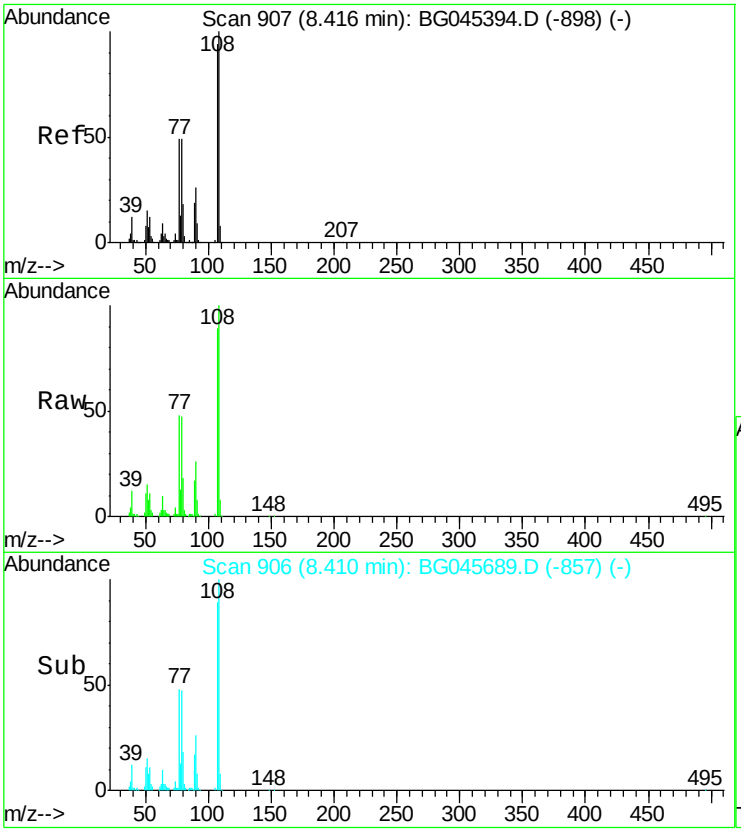


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.450 ng
RT: 8.47 min Scan# 917
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 45 Resp: 120959

Ion	Ratio	Lower	Upper
45	100		
77	23.7	4.0	44.0
79	17.5	0.0	38.6

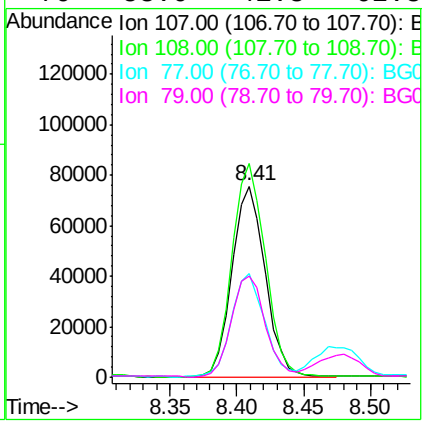




#17
2-Methylphenol
Concen: 46.554 ng
RT: 8.41 min Scan# 906
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:107 Resp: 131015

Ion	Ratio	Lower	Upper
107	100		
108	111.8	85.2	127.8
77	54.2	41.6	62.4
79	53.0	41.8	62.8



Instrument :
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ClientSampleId :
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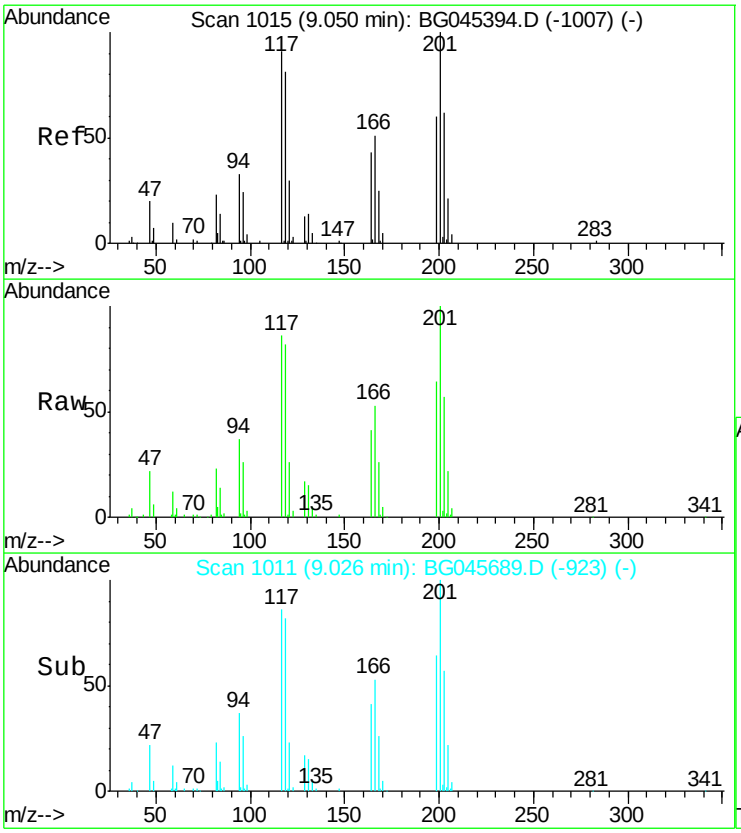
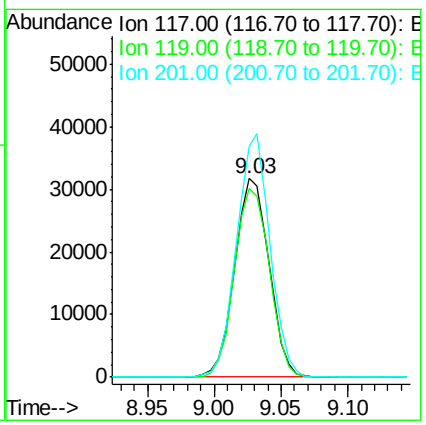
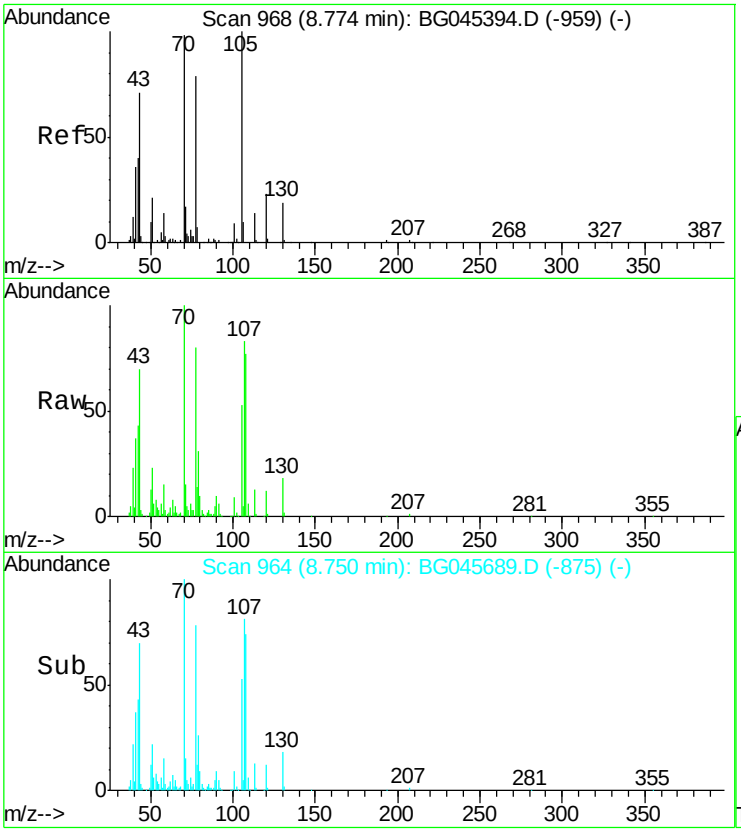


#18
Hexachloroethane
Concen: 44.383 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:117 Resp: 56664

Ion	Ratio	Lower	Upper
117	100		
119	95.3	71.3	106.9
201	116.6	87.5	131.3

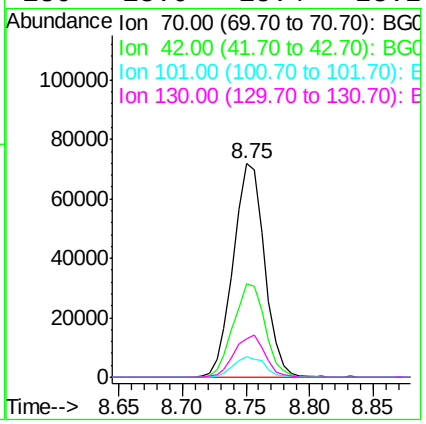




#19
n-Nitroso-di-n-propylamine
Concen: 48.537 ng
RT: 8.75 min Scan# 964
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 70 Resp: 122446

Ion	Ratio	Lower	Upper
70	100		
42	43.5	33.2	49.8
101	9.4	7.8	11.6
130	18.0	15.4	23.2



Instrument :
BNA_G
ClientSampleId :
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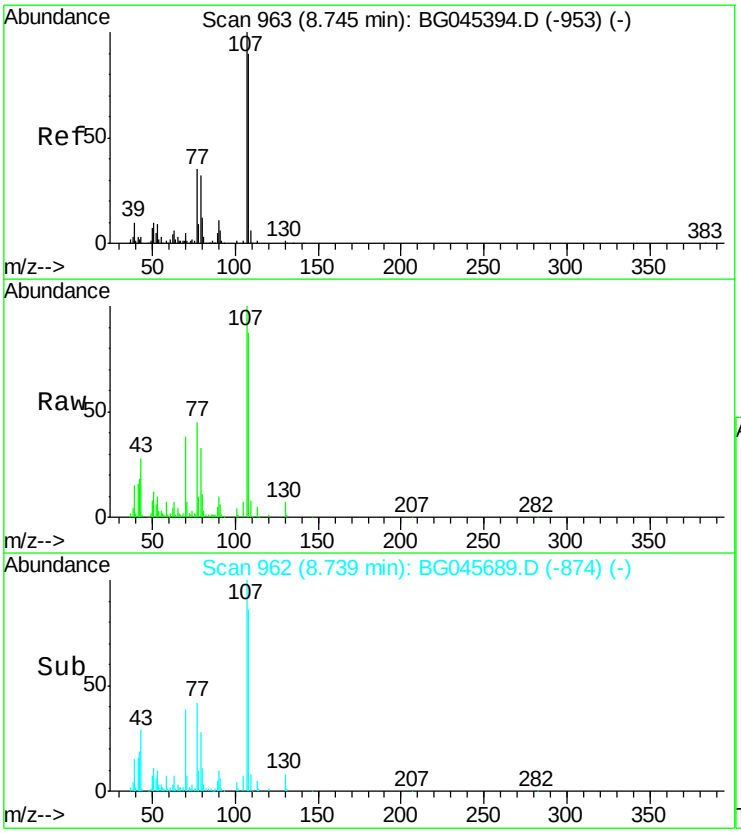
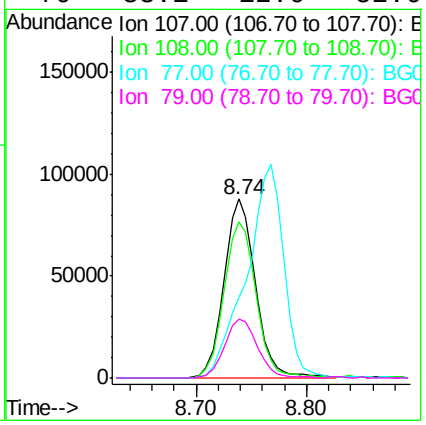
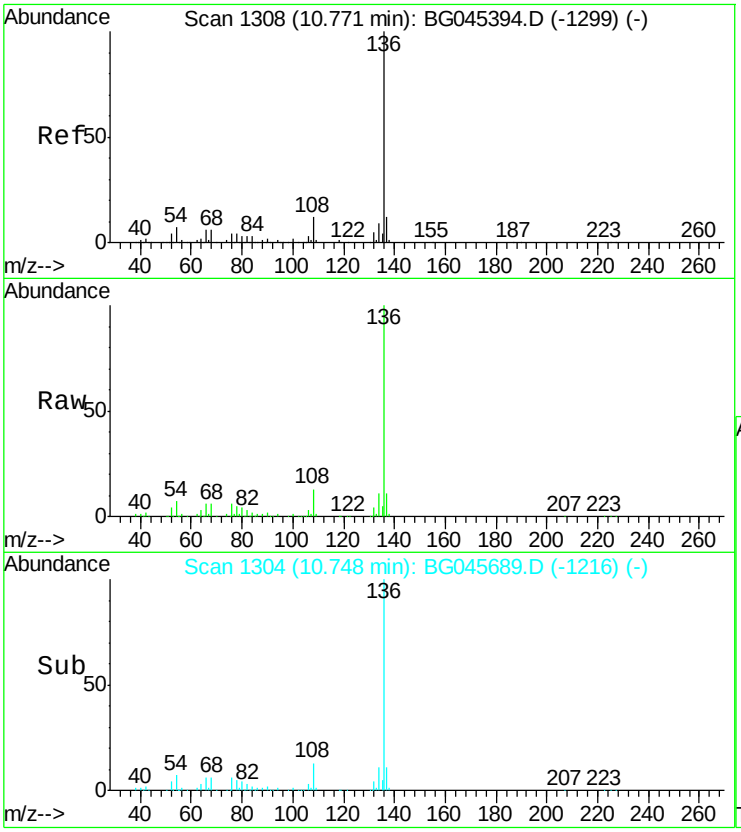


#20
3+4-Methylphenols
Concen: 45.783 ng
RT: 8.74 min Scan# 962
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:107 Resp: 175456

Ion	Ratio	Lower	Upper
107	100		
108	87.0	70.3	110.3
77	45.1	15.4	55.4
79	33.1	12.6	52.6

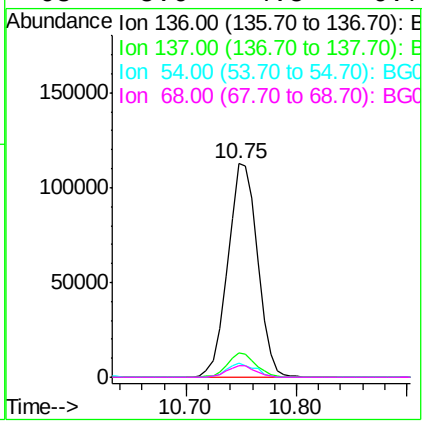




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:136 Resp: 212965

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.2
54	6.5	5.8	8.6
68	5.6	4.5	6.7



Instrument :
BNA_G
ClientSampleId :
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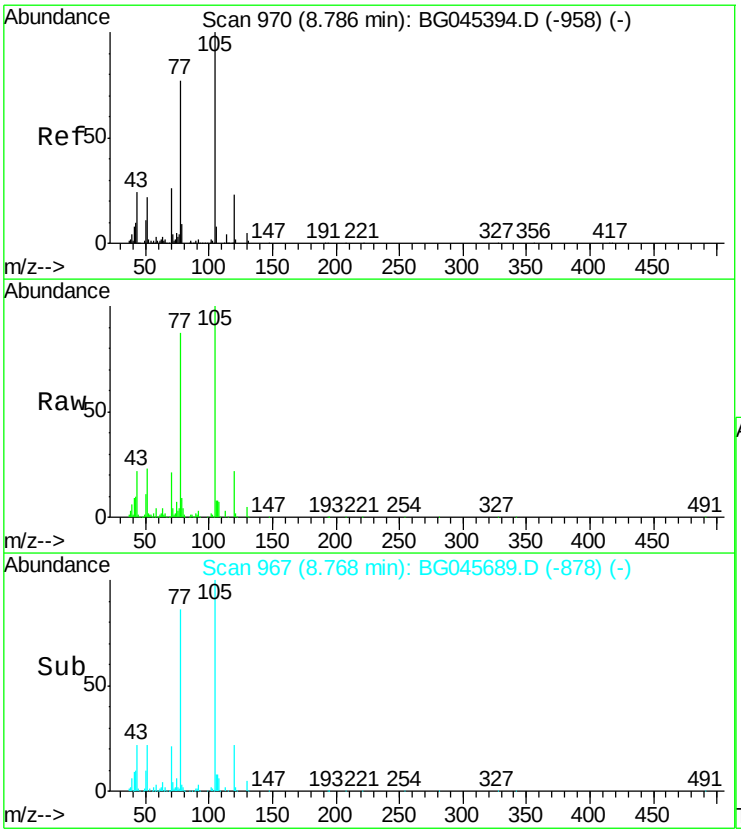
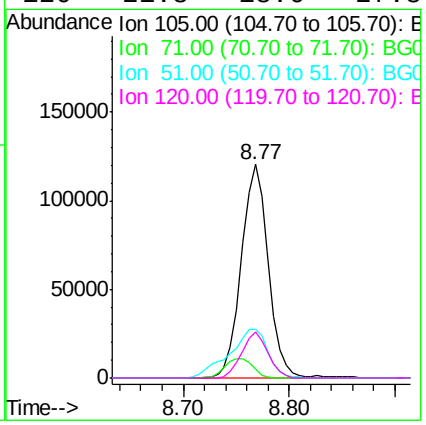
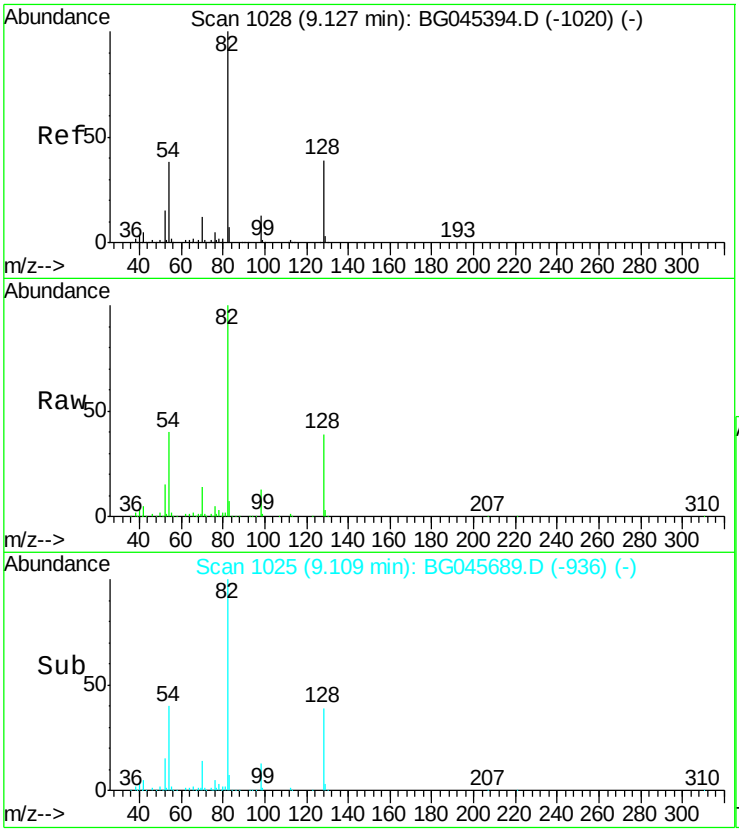


#22
Acetophenone
Concen: 42.379 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:105 Resp: 213908

Ion	Ratio	Lower	Upper
105	100		
71	4.1	3.4	5.0
51	22.7	18.2	27.2
120	21.8	18.6	27.8

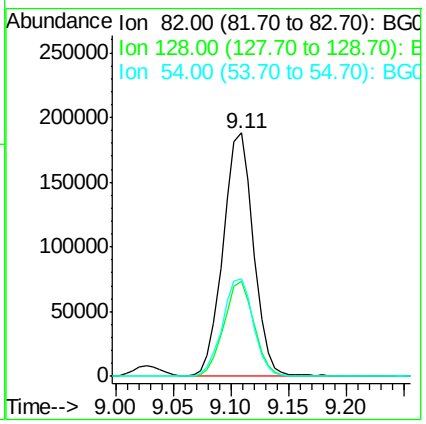




#23
Nitrobenzene-d5
Concen: 87.646 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 82 Resp: 342289

Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.9	46.3
54	40.1	30.3	45.5



Instrument :
BNA_G
ClientSampleId :
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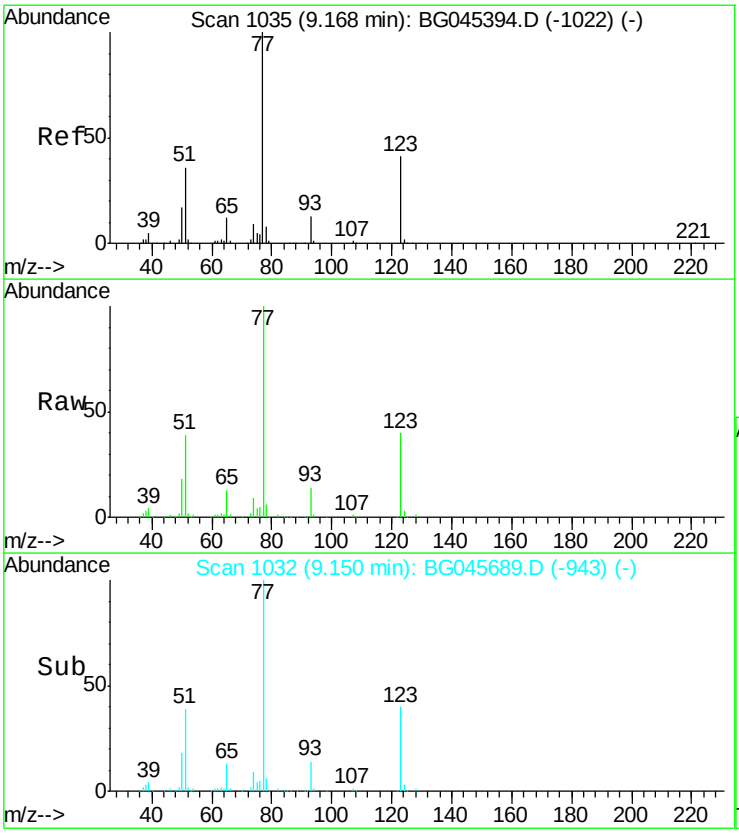
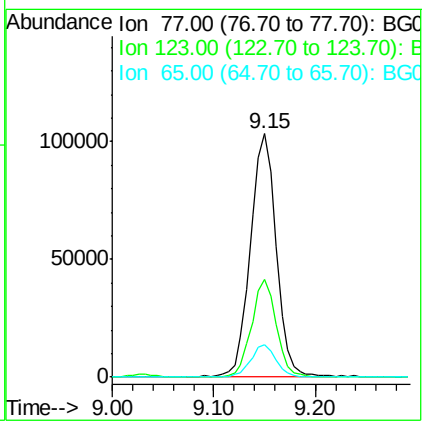
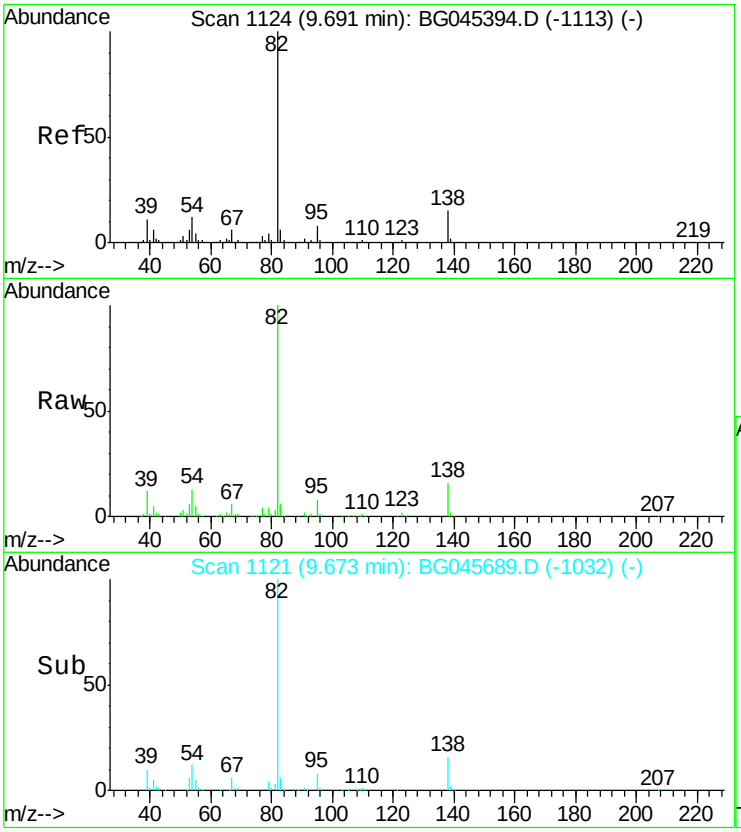


#24
Nitrobenzene
Concen: 43.717 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 77 Resp: 182919

Ion	Ratio	Lower	Upper
77	100		
123	40.3	32.9	49.3
65	13.1	9.4	14.2

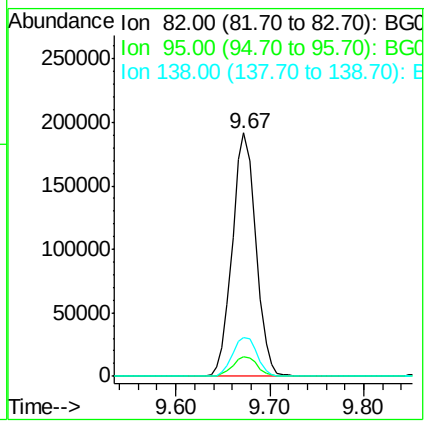




#25
Isophorone
Concen: 43.648 ng
RT: 9.67 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 82 Resp: 335704

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.7	10.1
138	16.0	12.2	18.4



Instrument :
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ClientSampleId :
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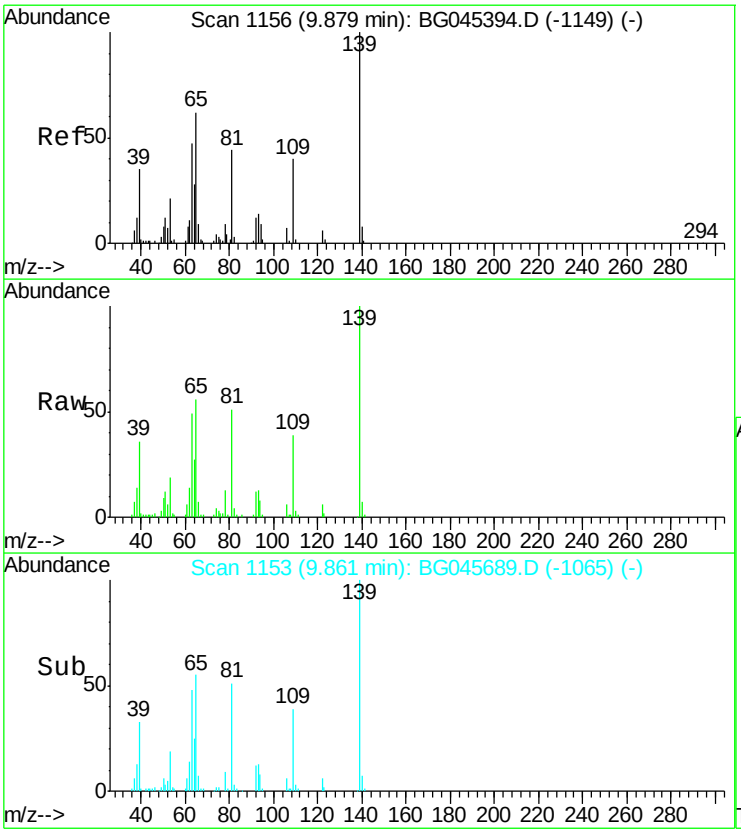
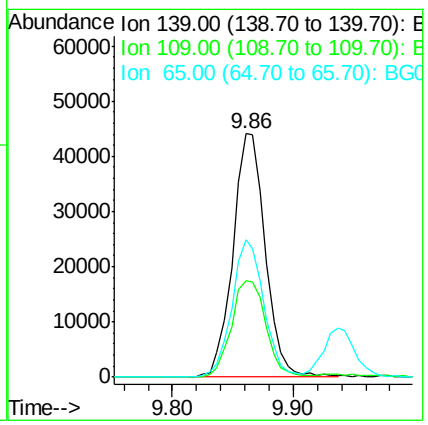
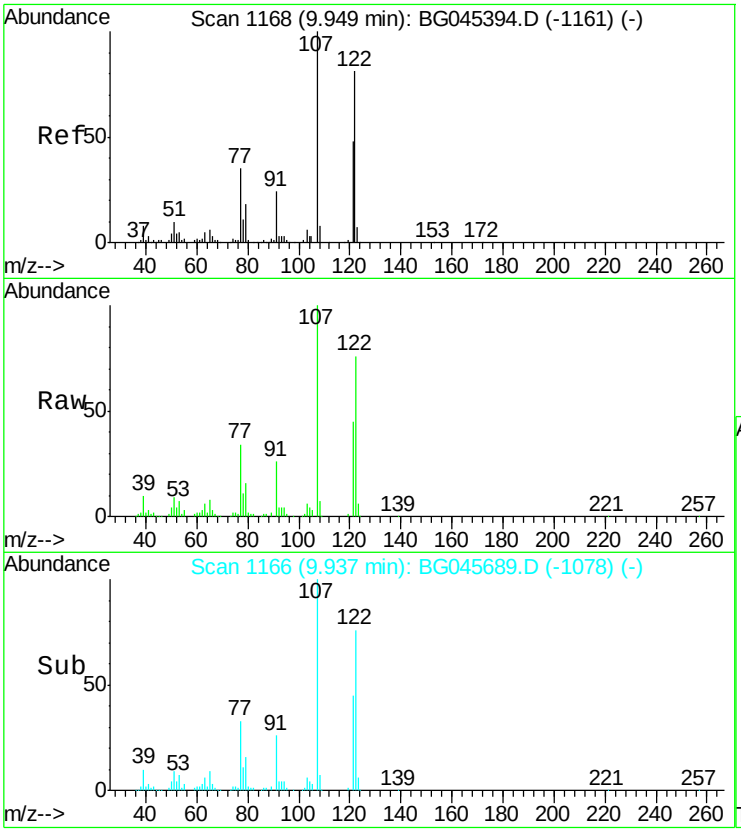


#26
2-Nitrophenol
Concen: 46.043 ng
RT: 9.86 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:139 Resp: 82413

Ion	Ratio	Lower	Upper
139	100		
109	39.4	32.2	48.4
65	56.3	49.6	74.4

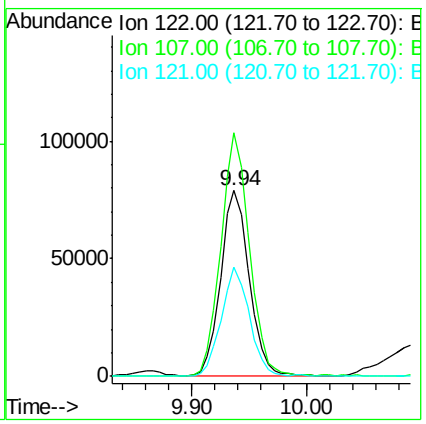




#27
2,4-Dimethylphenol
Concen: 51.204 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:122 Resp: 135933

Ion	Ratio	Lower	Upper
122	100		
107	131.2	99.0	148.4
121	58.9	47.7	71.5



Instrument :
BNA_G
ClientSampleId :
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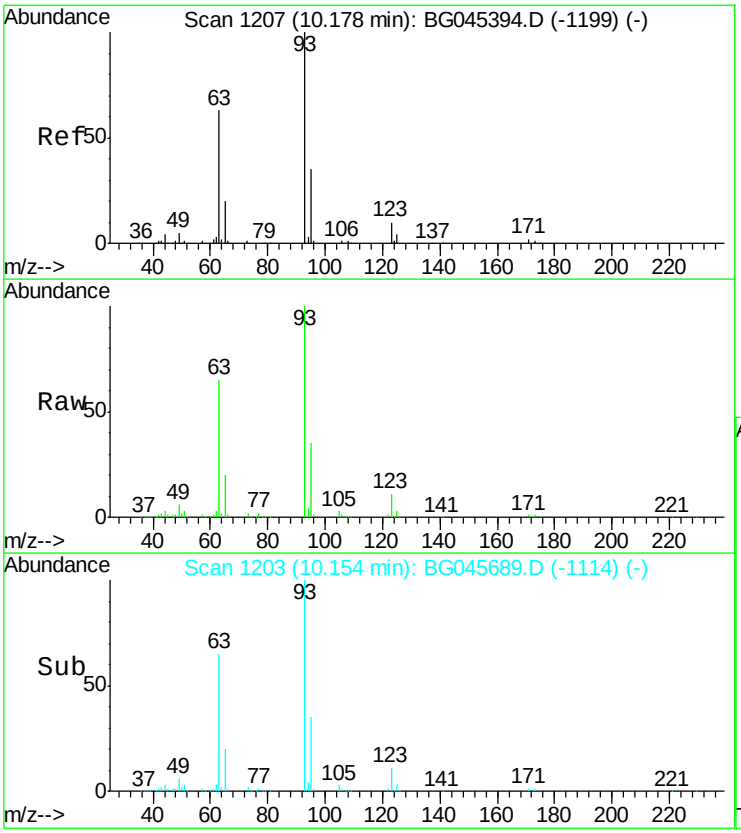
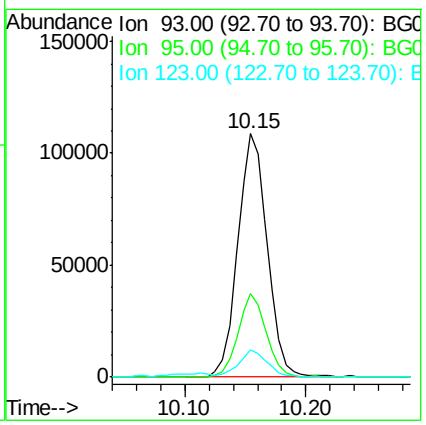
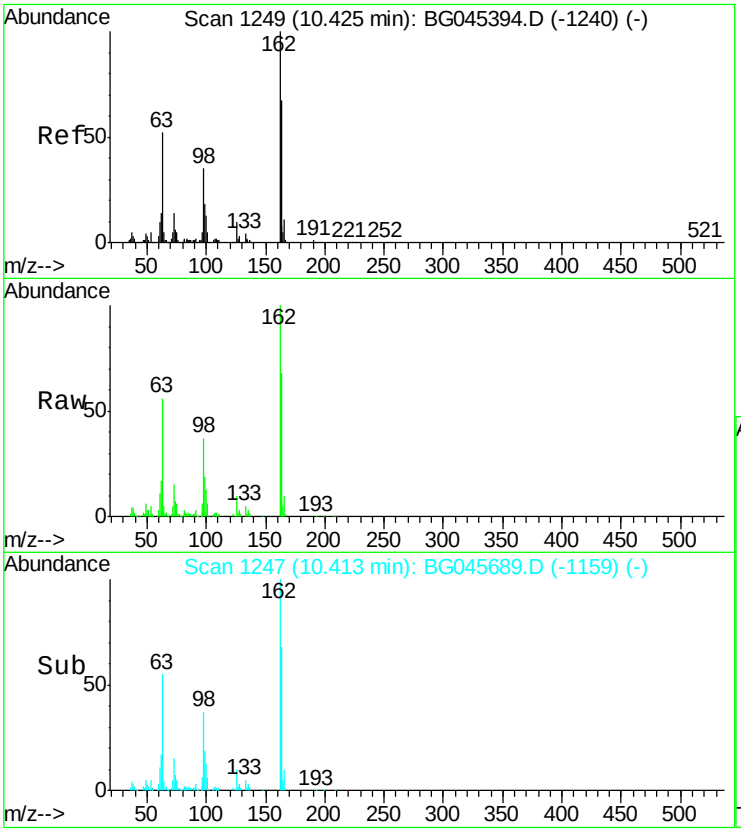


#28
bis(2-Chloroethoxy)methane
Concen: 45.668 ng
RT: 10.15 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 93 Resp: 184202

Ion	Ratio	Lower	Upper
93	100		
95	34.5	27.6	41.4
123	11.2	8.1	12.1

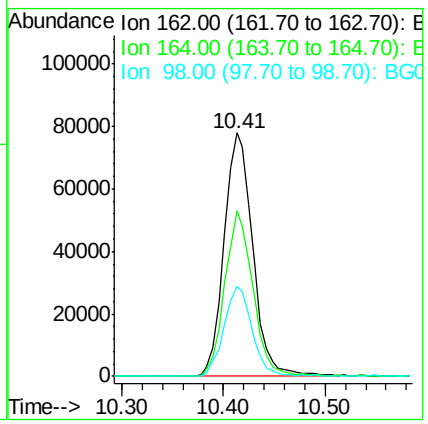




#29
2,4-Dichlorophenol
Concen: 48.654 ng
RT: 10.41 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:162 Resp: 152528

Ion	Ratio	Lower	Upper
162	100		
164	68.2	46.8	86.8
98	37.0	15.2	55.2



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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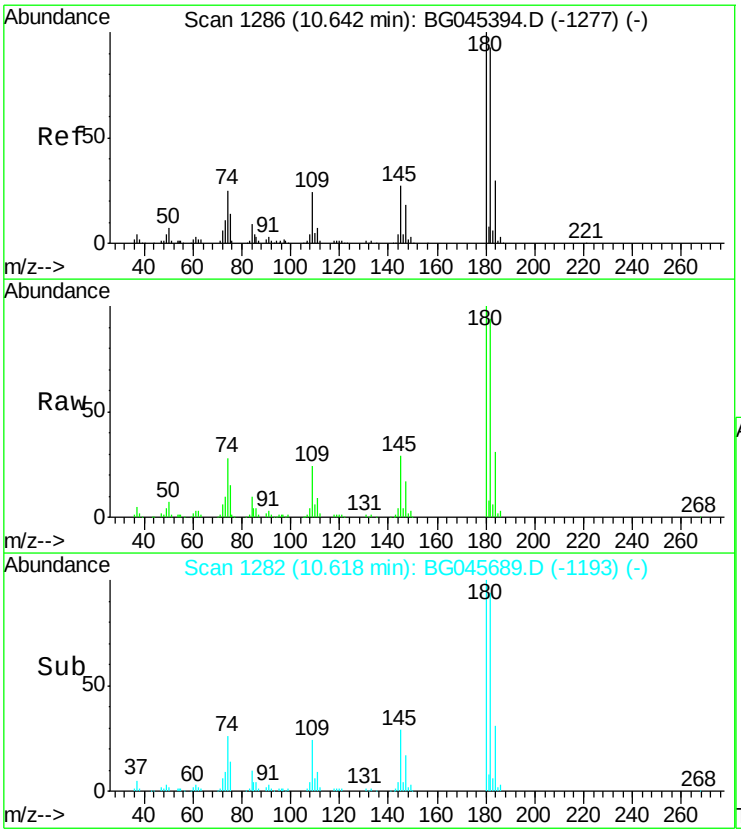
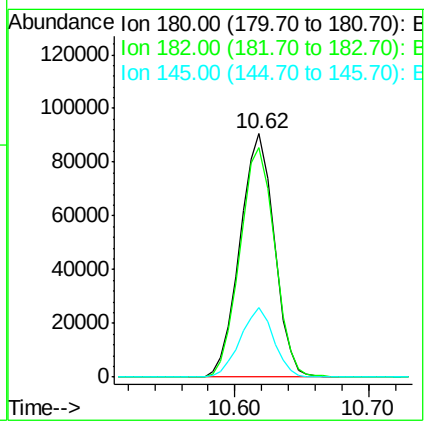
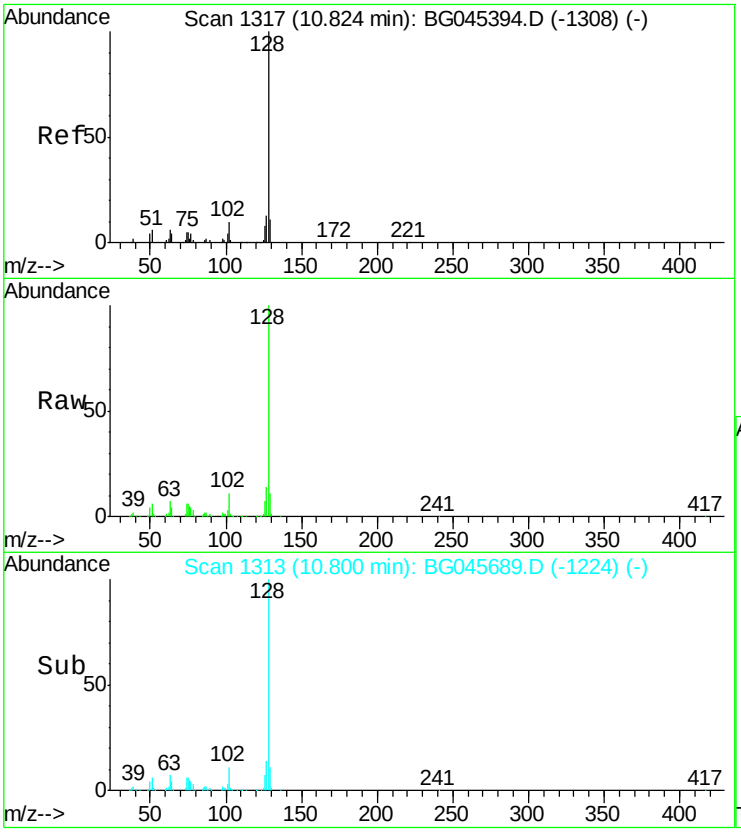


#30
1,2,4-Trichlorobenzene
Concen: 43.451 ng
RT: 10.62 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:180 Resp: 160959

Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.8	112.2
145	28.7	21.9	32.9

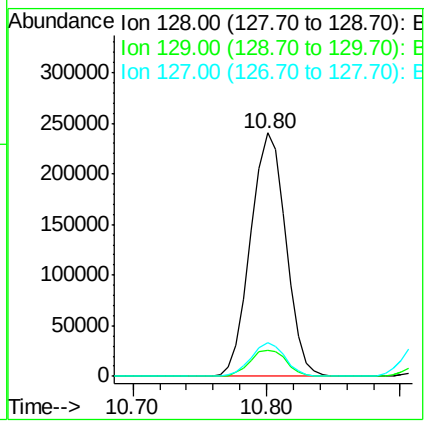




#31
Naphthalene
Concen: 44.195 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:128 Resp: 438594

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.6	10.7	16.1



Instrument :
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ClientSampleId :
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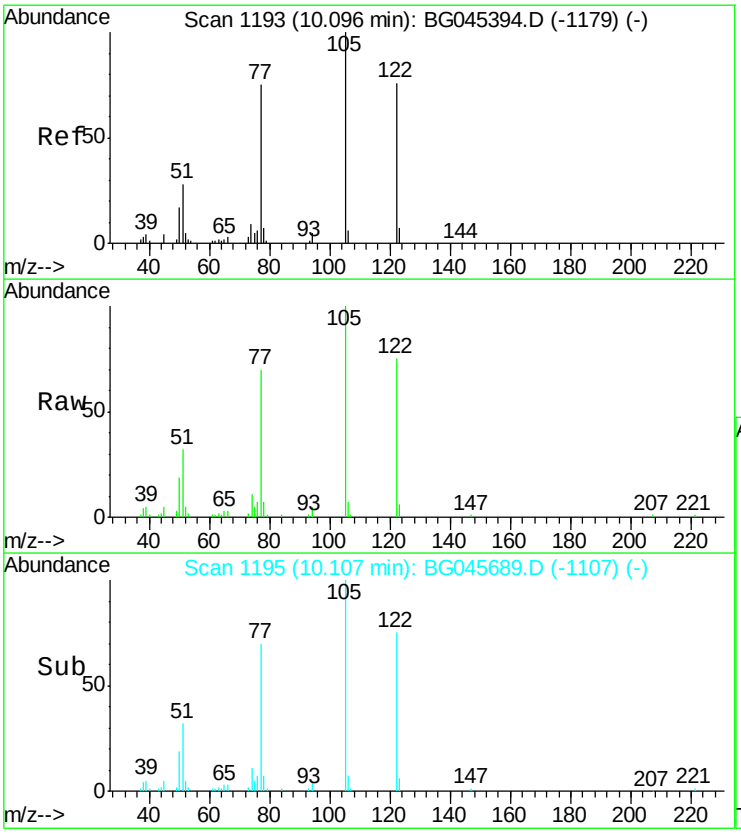
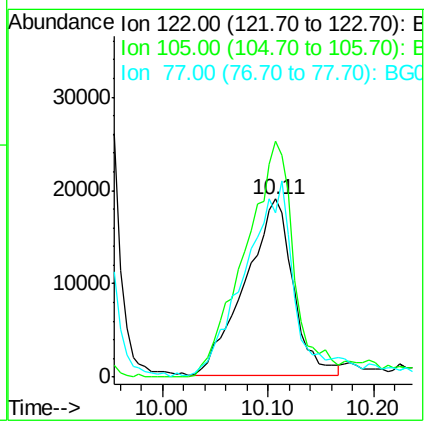
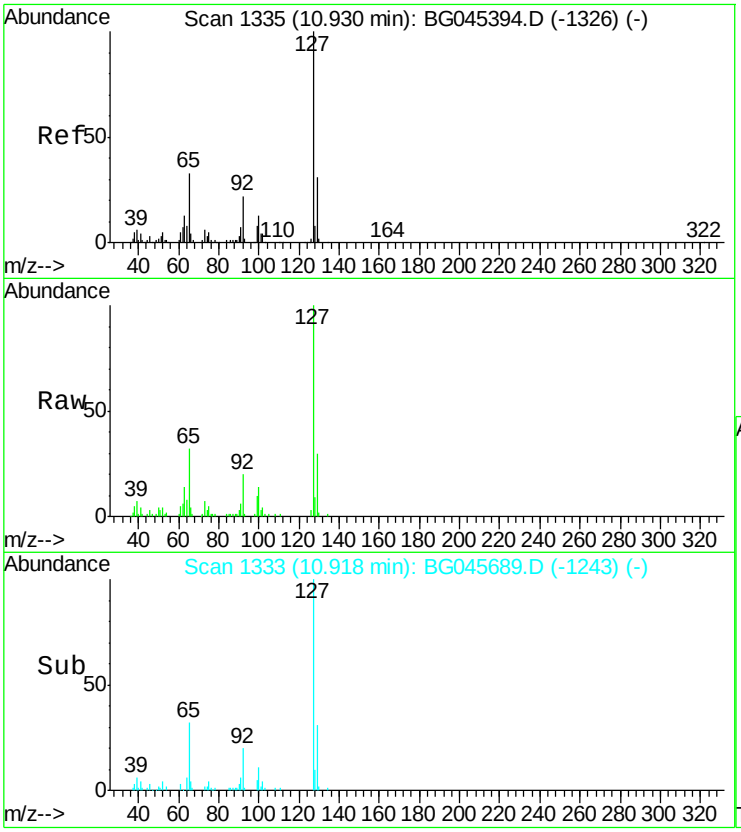


#32
Benzoic acid
Concen: 35.984 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:122 Resp: 59246

Ion	Ratio	Lower	Upper
122	100		
105	132.9	107.9	147.9
77	92.5	78.9	118.9

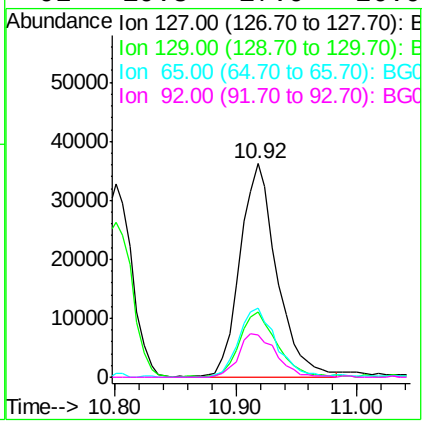




#33
4-Chloroaniline
Concen: 18.603 ng
RT: 10.92 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:127 Resp: 77171

Ion	Ratio	Lower	Upper
127	100		
129	30.5	24.7	37.1
65	32.2	26.2	39.2
92	19.8	17.9	26.9



Instrument :
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ClientSampleId :
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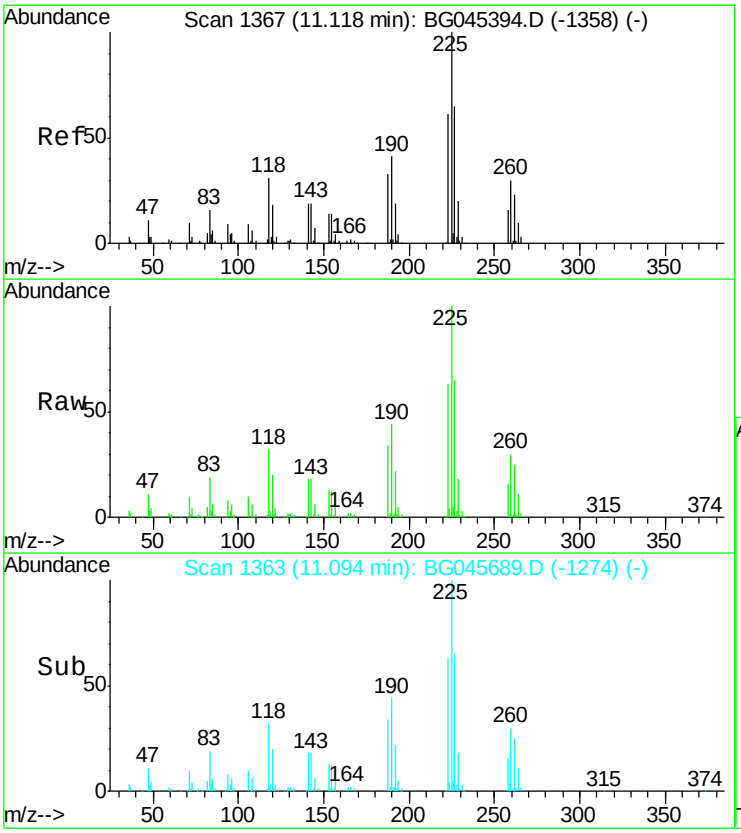
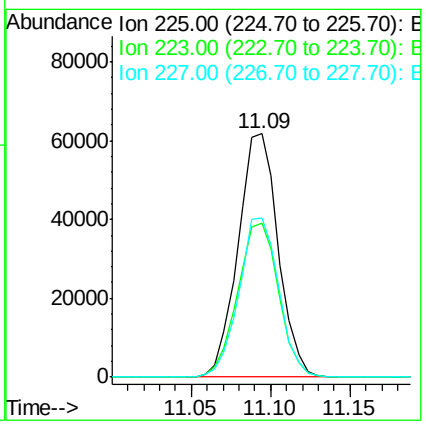
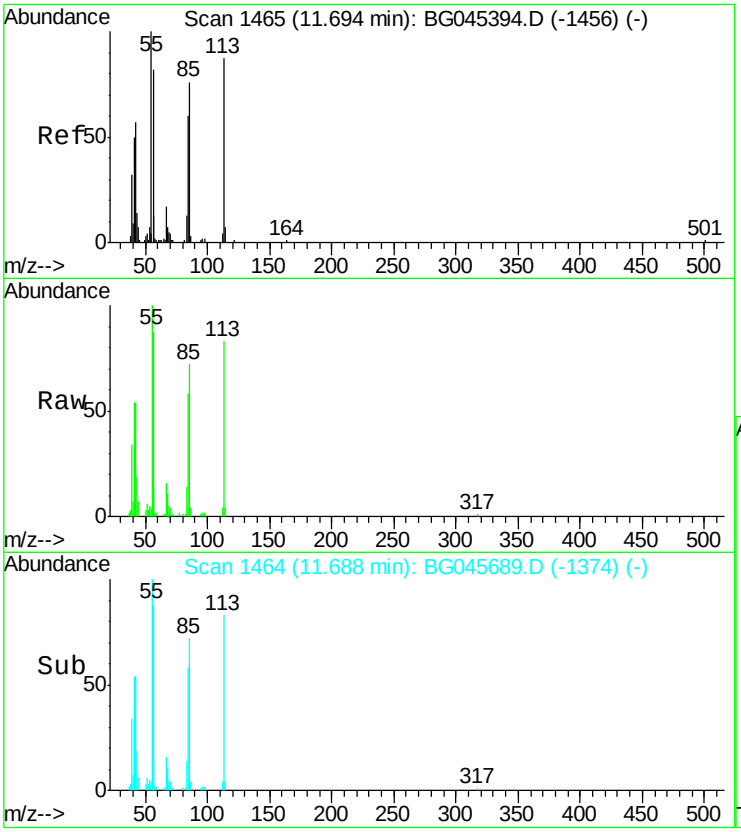


#34
Hexachlorobutadiene
Concen: 41.384 ng
RT: 11.09 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:225 Resp: 108363

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.1	73.7
227	65.2	52.0	78.0

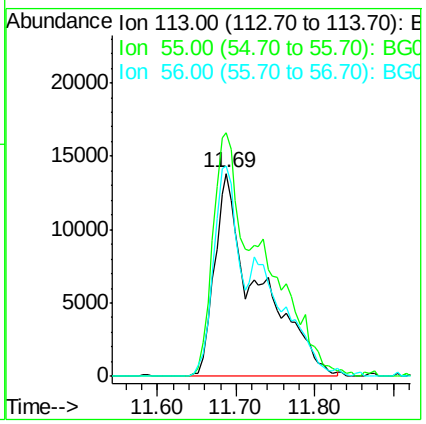




#35
Caprolactam
Concen: 46.199 ng m
RT: 11.69 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:113 Resp: 53160

Ion	Ratio	Lower	Upper
113	100		
55	119.8	96.0	136.0
56	103.8	75.1	115.1



Instrument :
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ClientSampleId :
PB129414BS

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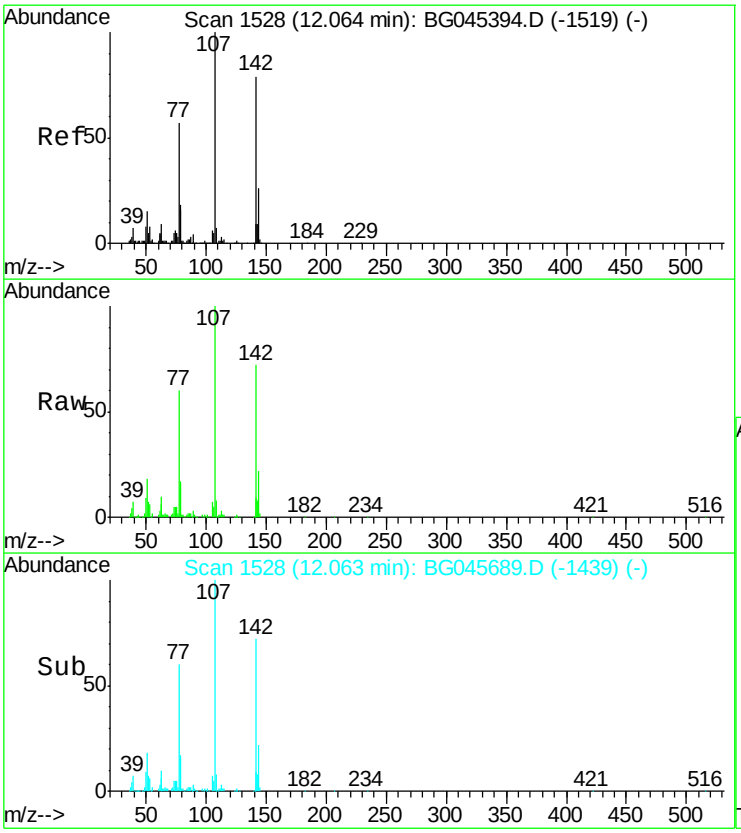
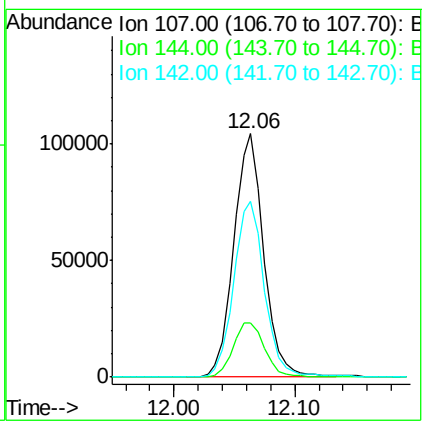
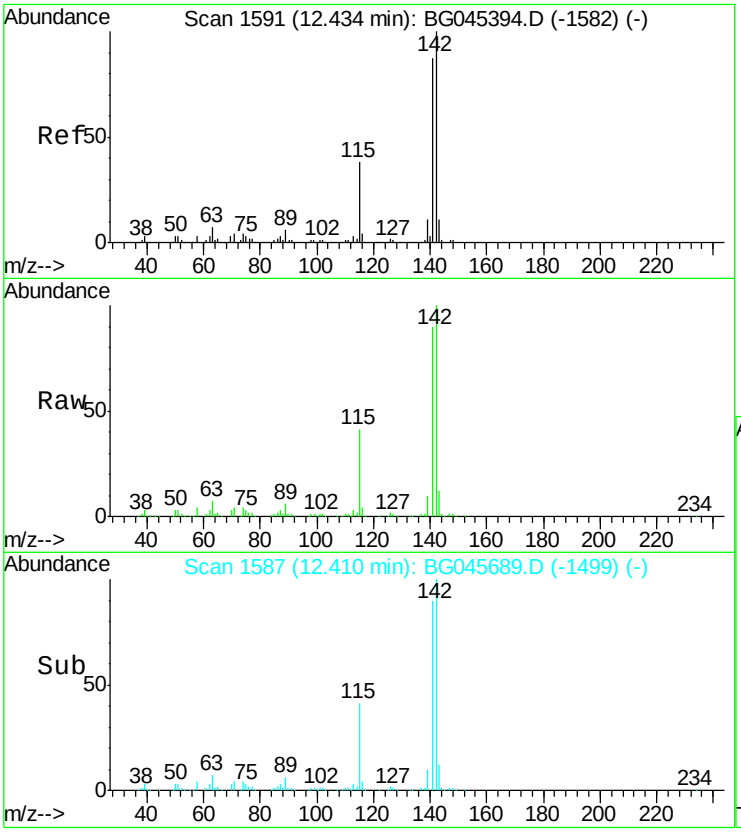


#36
4-Chloro-3-methylphenol
Concen: 51.042 ng
RT: 12.06 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:107 Resp: 180310

Ion	Ratio	Lower	Upper
107	100		
144	22.0	20.8	31.2
142	72.3	62.8	94.2

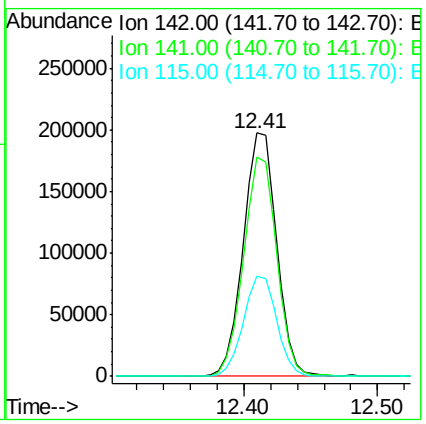




#37
2-Methylnaphthalene
Concen: 45.963 ng
RT: 12.41 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:142 Resp: 339976

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.0	105.0
115	41.4	30.8	46.2



Instrument :
BNA_G
ClientSampleId :
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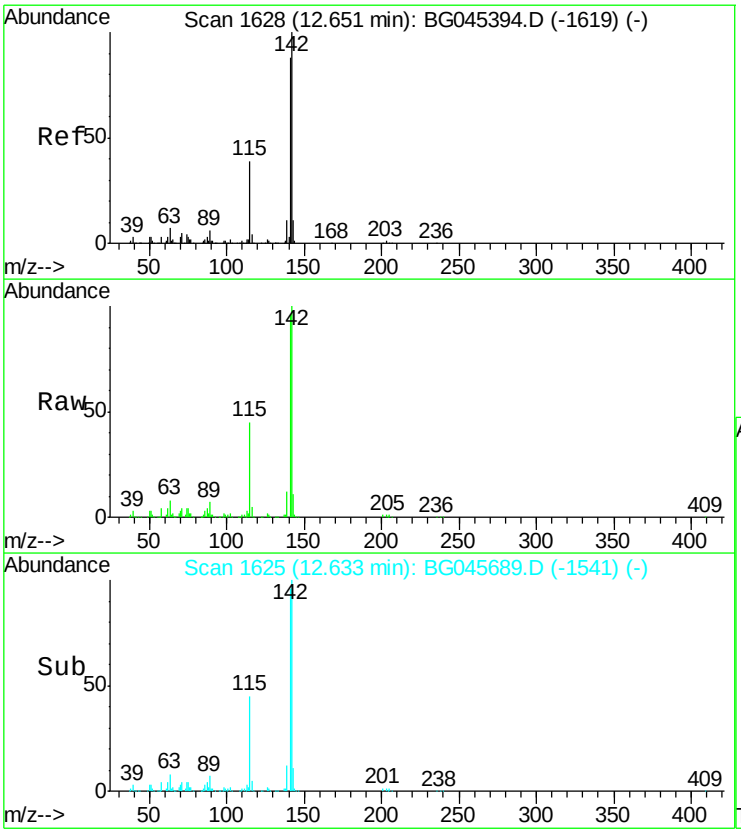
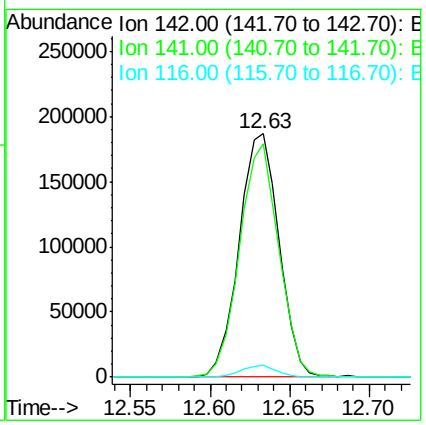
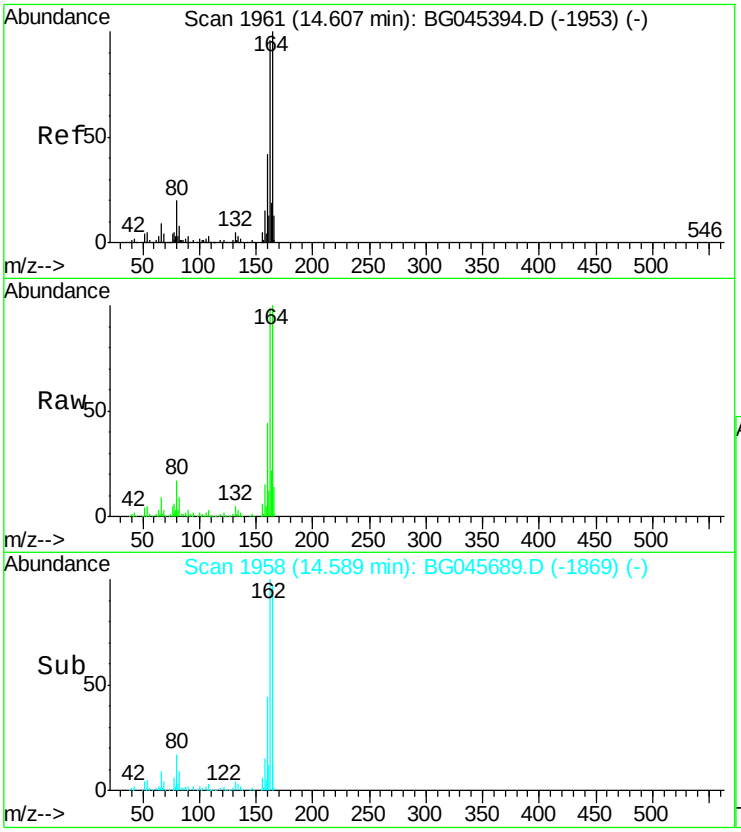


#38
1-Methylnaphthalene
Concen: 46.471 ng m
RT: 12.63 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:142 Resp: 324703

Ion	Ratio	Lower	Upper
142	100		
141	95.9	70.8	106.2
116	4.7	3.0	4.6#

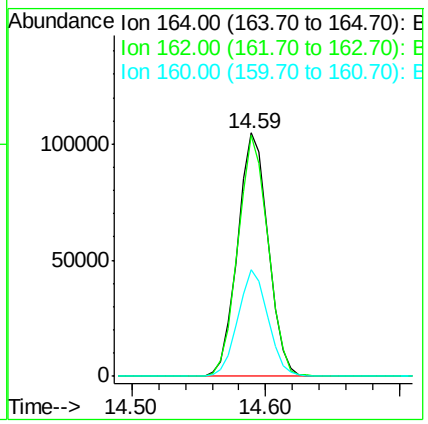




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:164 Resp: 166108

Ion	Ratio	Lower	Upper
164	100		
162	99.1	76.9	115.3
160	43.9	33.8	50.8



Instrument :
BNA_G
ClientSampleId :
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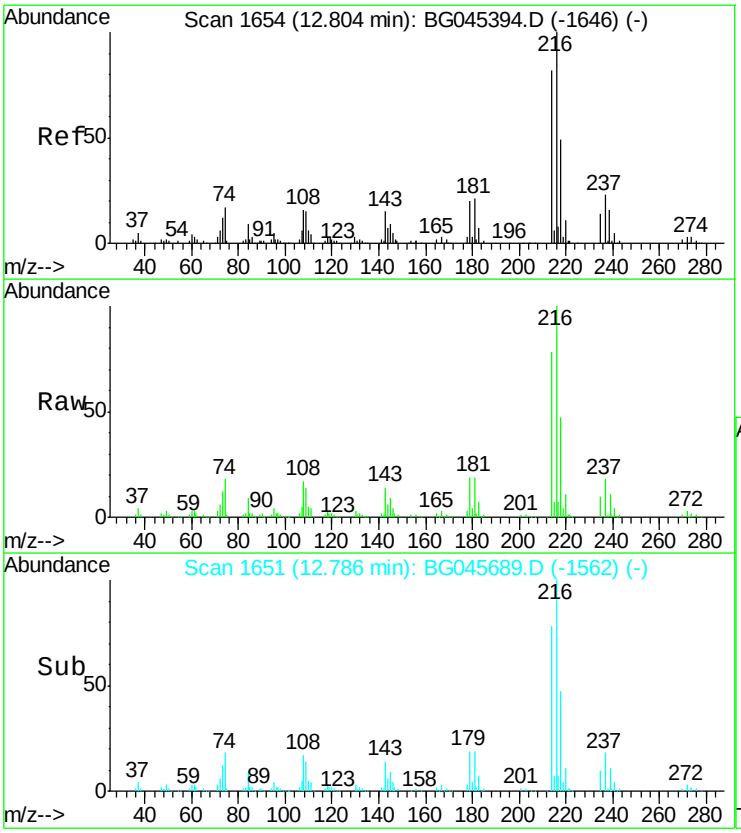
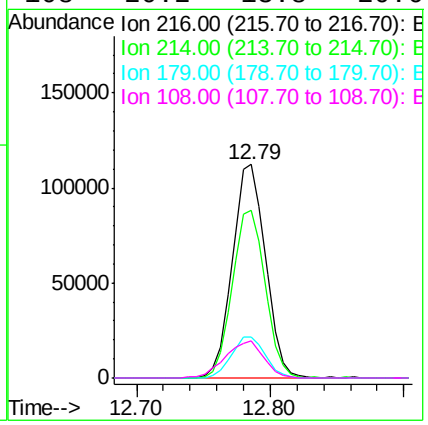
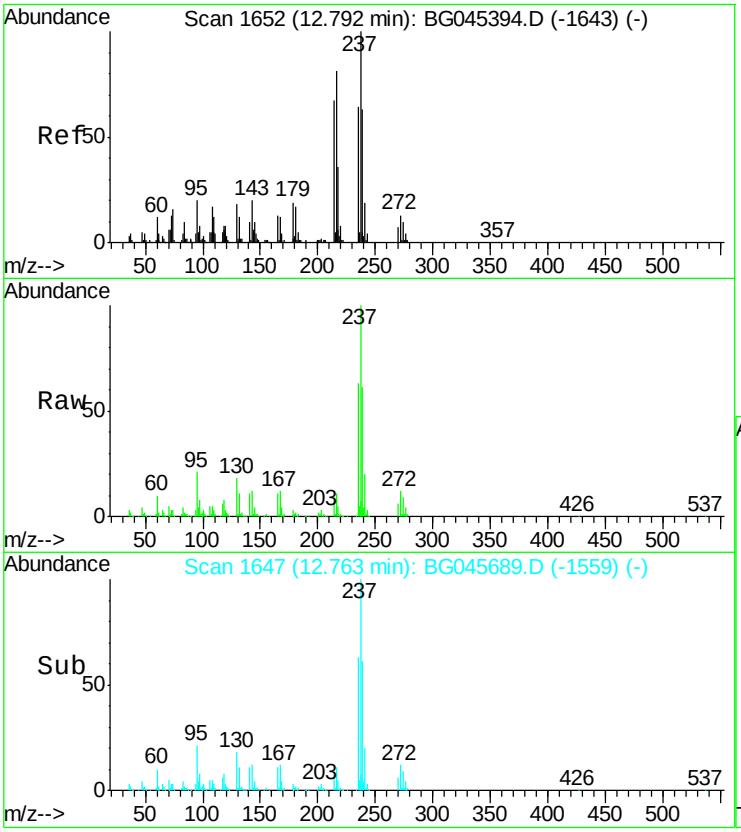


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.695 ng
RT: 12.79 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:216 Resp: 193451

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.7	95.5
179	19.8	16.1	24.1
108	20.2	13.8	20.6

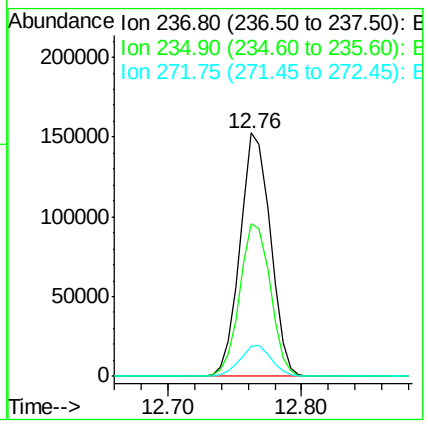




#41
Hexachlorocyclopentadiene
Concen: 89.424 ng
RT: 12.76 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:237 Resp: 239472

Ion	Ratio	Lower	Upper
237	100		
235	63.0	44.4	84.4
272	12.5	0.0	32.5



Instrument :
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ClientSampleId :
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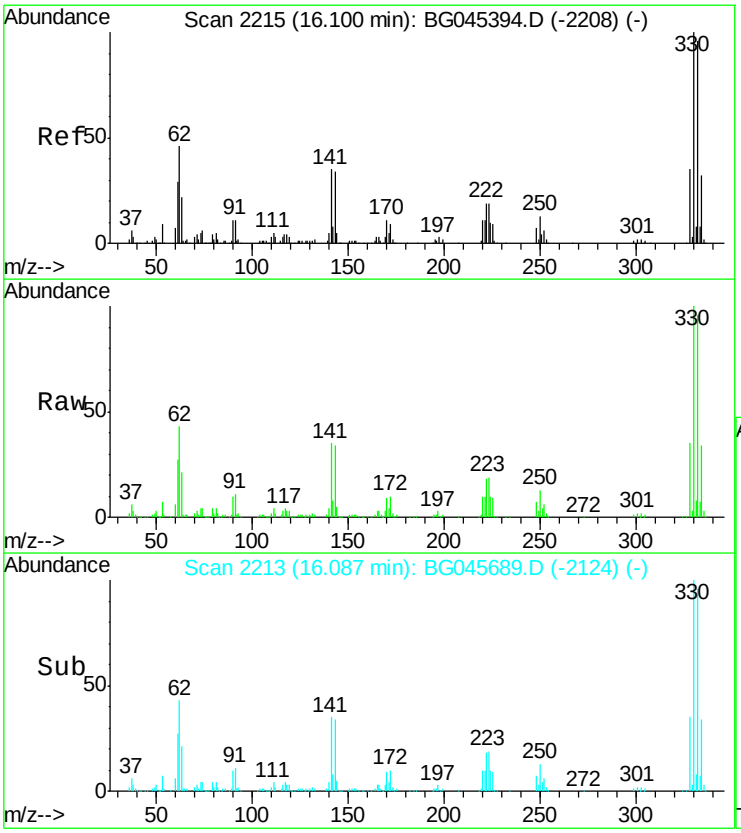
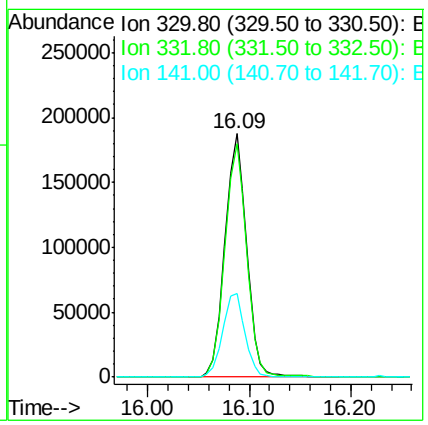
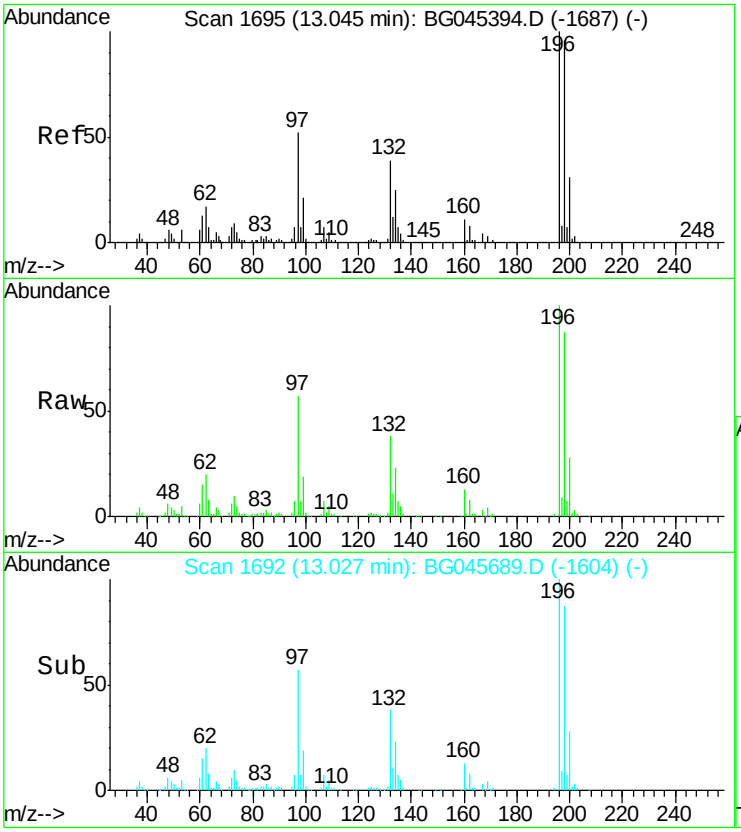


#42
2,4,6-Tribromophenol
Concen: 131.814 ng
RT: 16.09 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:330 Resp: 280017

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.2	117.4
141	35.3	28.2	42.4

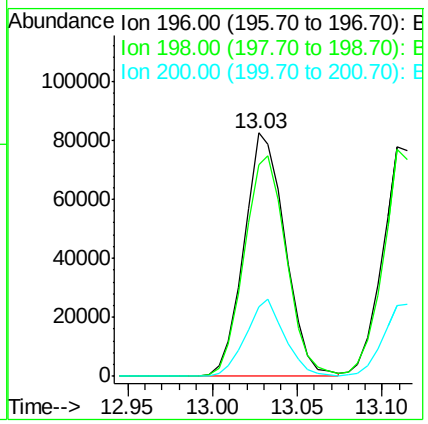




#43
2,4,6-Trichlorophenol
Concen: 43.258 ng
RT: 13.03 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:196 Resp: 139419

Ion	Ratio	Lower	Upper
196	100		
198	86.9	76.7	115.1
200	28.5	24.9	37.3



Instrument :
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ClientSampleId :
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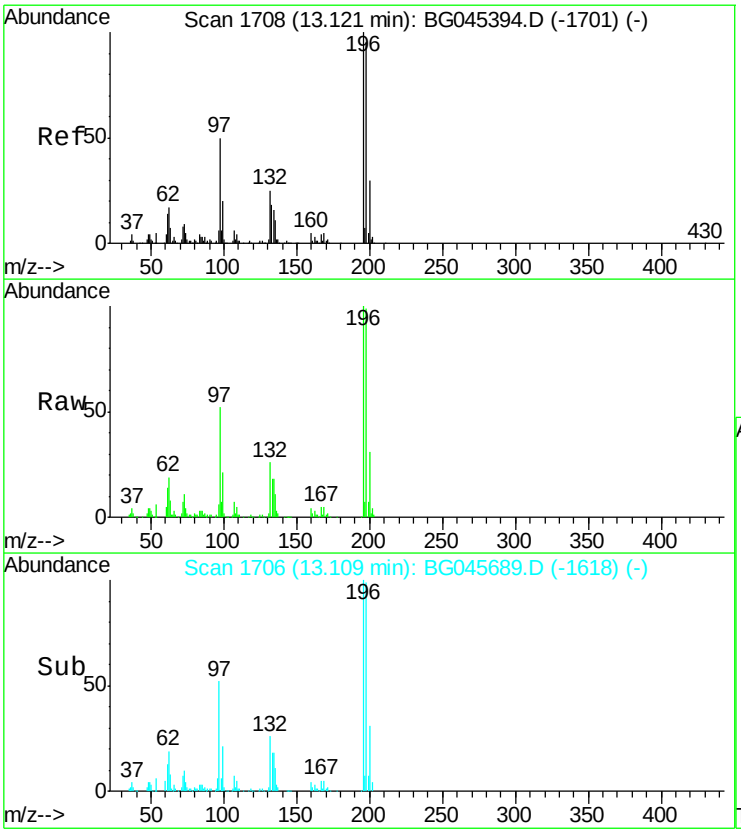
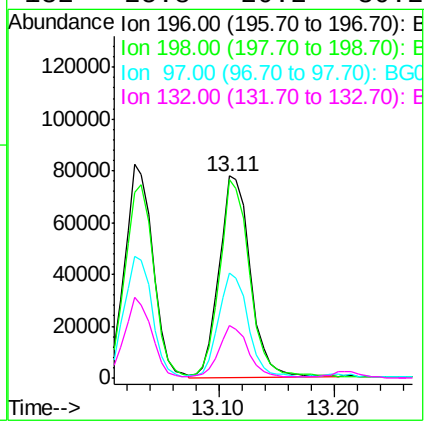
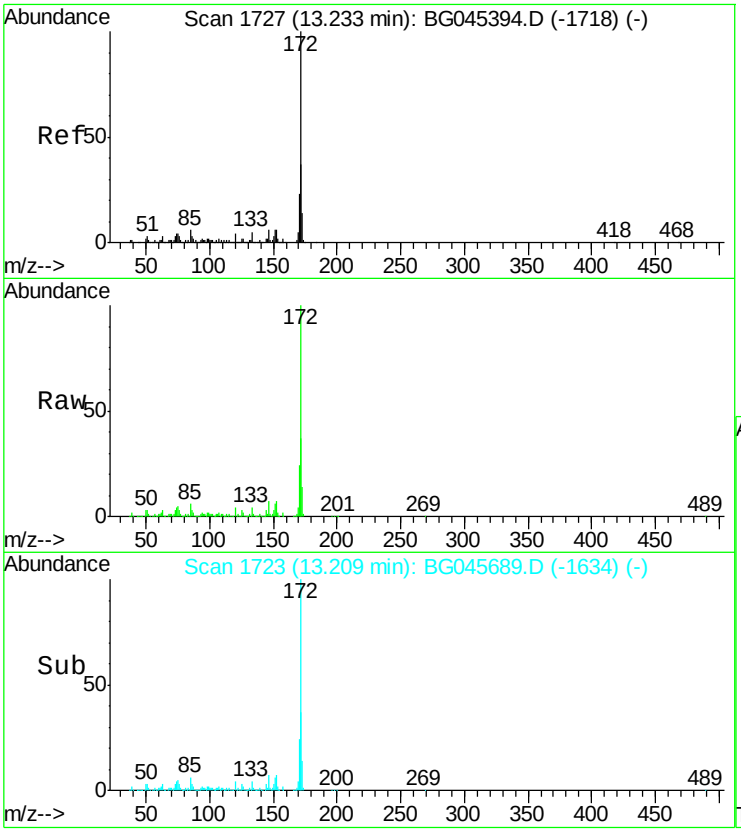


#44
2,4,5-Trichlorophenol
Concen: 39.264 ng
RT: 13.11 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:196 Resp: 144610

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.1	114.1
97	52.3	40.0	60.0
132	25.8	20.2	30.2

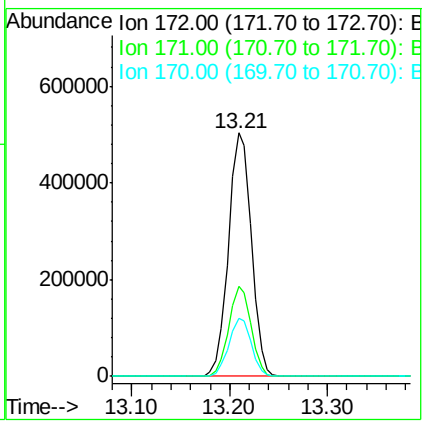




#45
2-Fluorobiphenyl
Concen: 83.306 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:172 Resp: 815805

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.5	44.3
170	23.8	18.5	27.7



Instrument :
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ClientSampleId :
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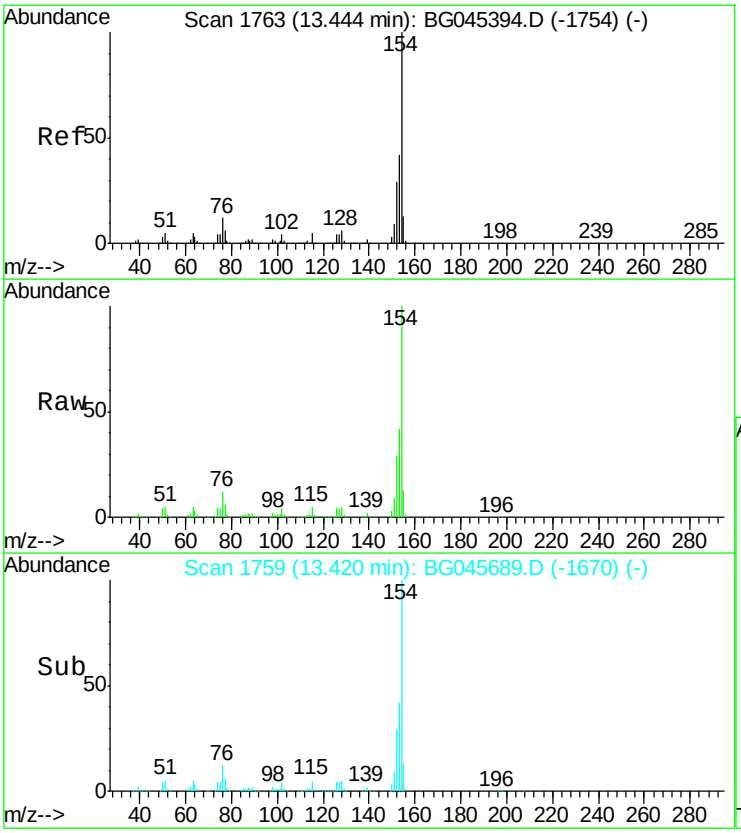
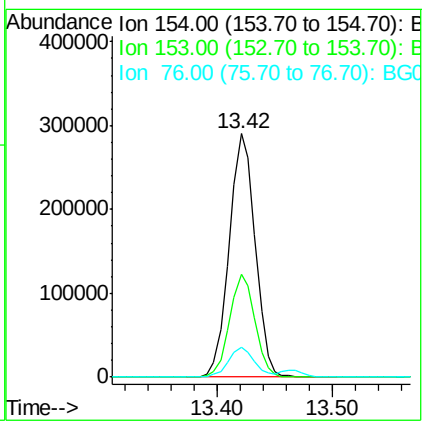
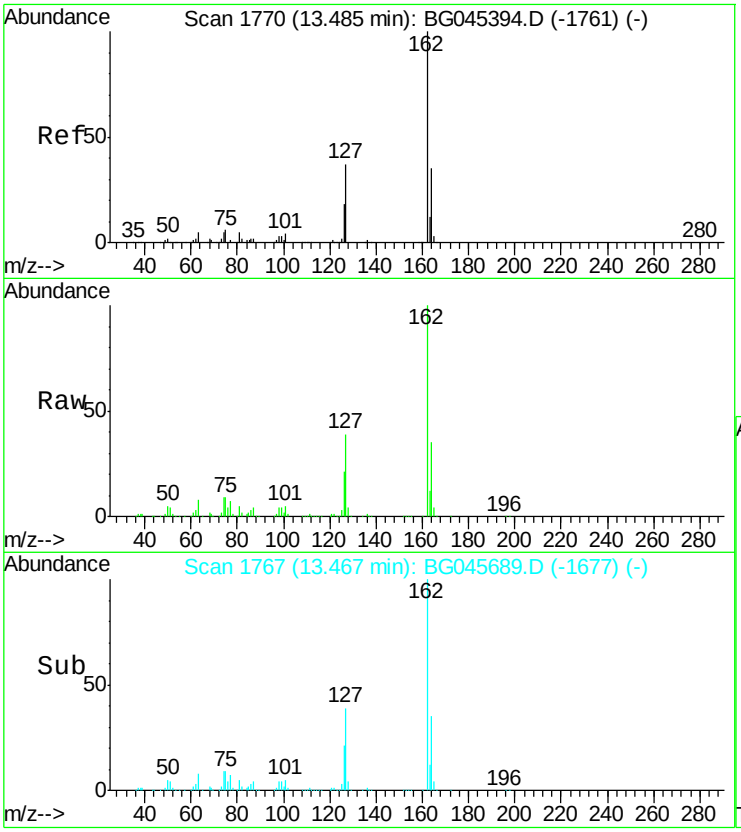


#46
1,1'-Biphenyl
Concen: 44.124 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:154 Resp: 450358

Ion	Ratio	Lower	Upper
154	100		
153	42.3	22.2	62.2
76	12.5	0.0	32.4

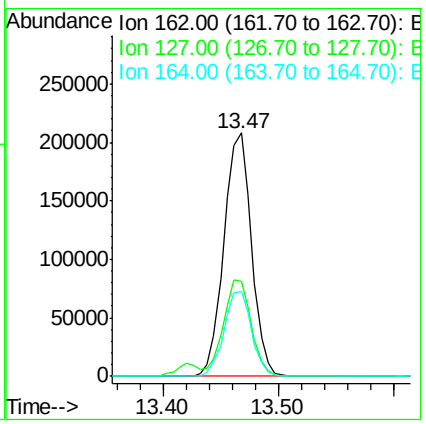




#47
2-Chloronaphthalene
Concen: 41.582 ng
RT: 13.47 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:162 Resp: 344637

Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.6	47.4
164	34.6	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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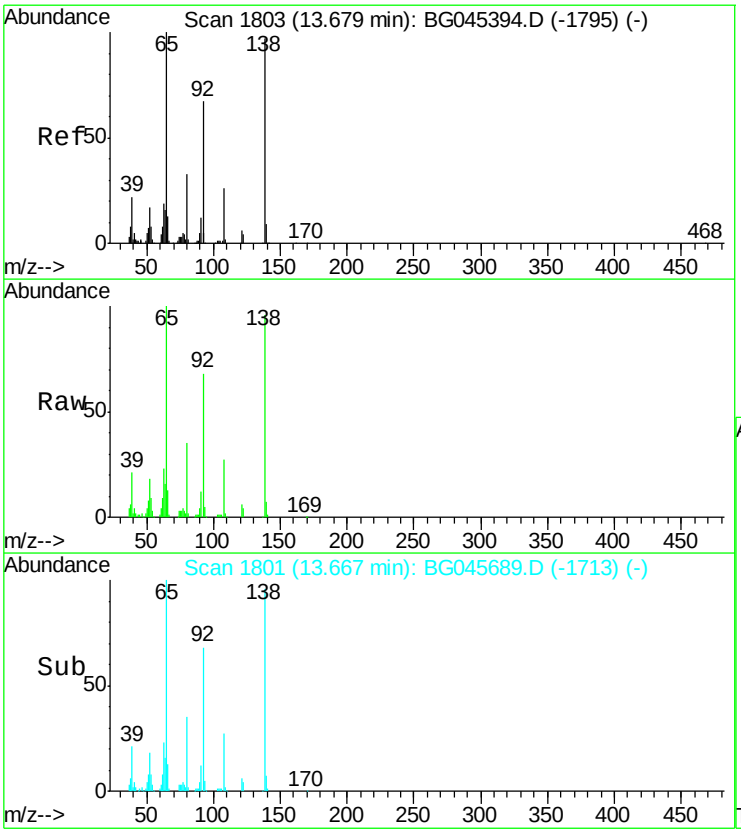
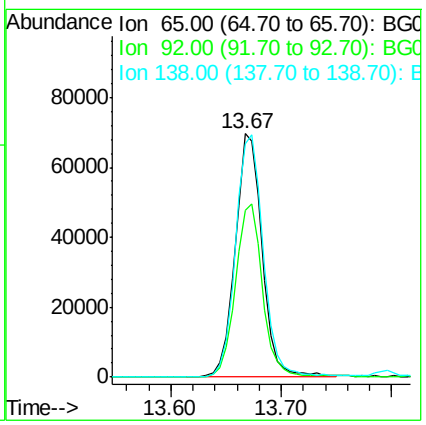
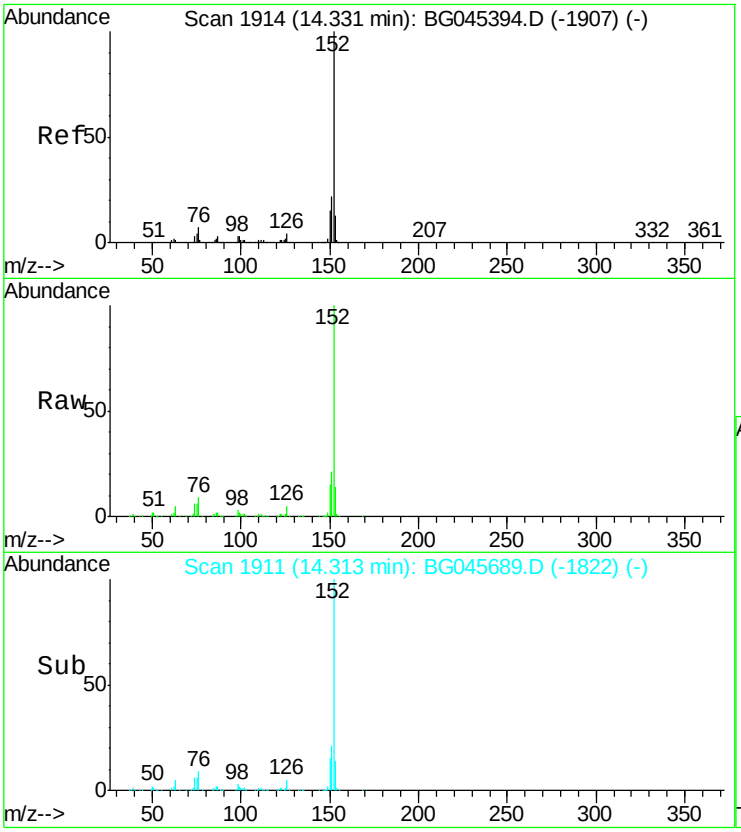


#48
2-Nitroaniline
Concen: 43.793 ng
RT: 13.67 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 65 Resp: 119393

Ion	Ratio	Lower	Upper
65	100		
92	68.3	53.8	80.8
138	96.1	77.9	116.9

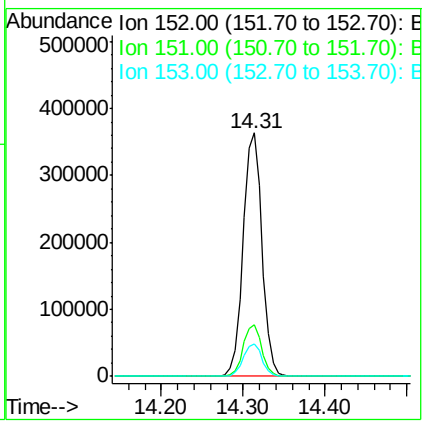




#49
Acenaphthylene
Concen: 43.542 ng
RT: 14.31 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:152 Resp: 579665

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.4	26.2
153	13.6	10.7	16.1



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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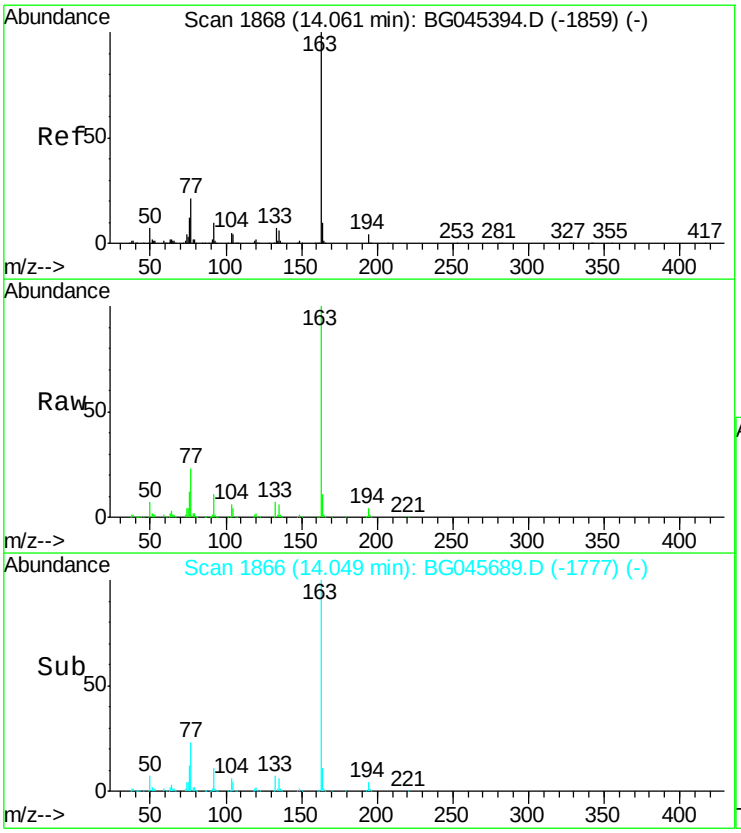
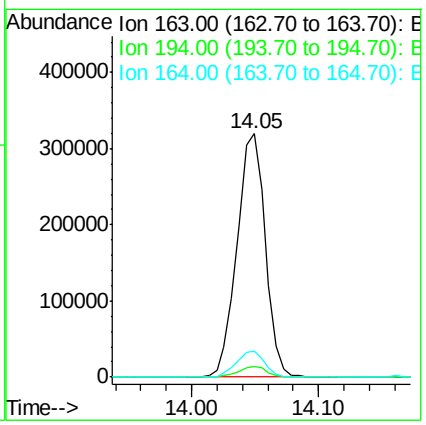
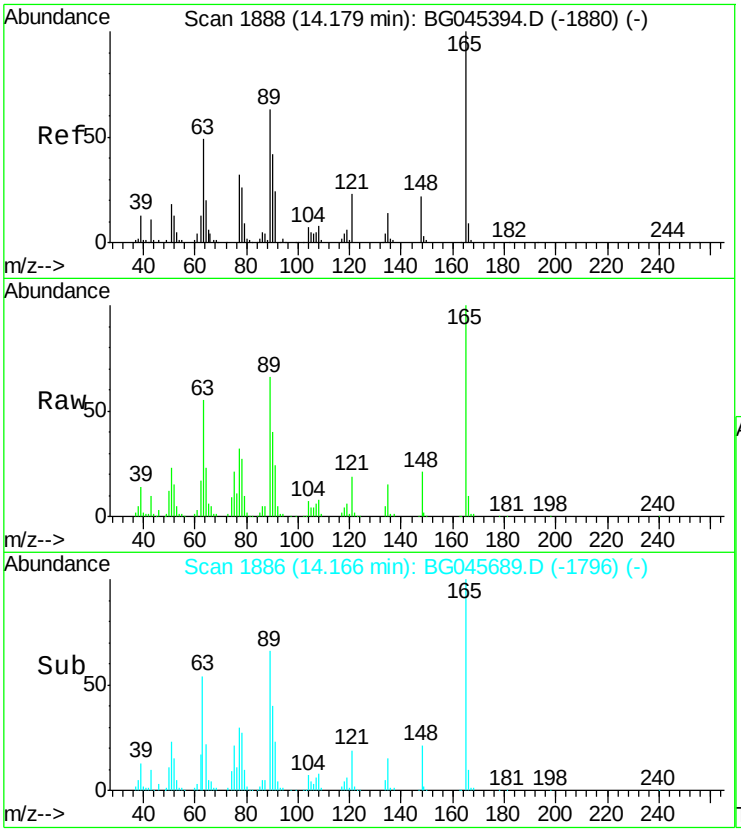


#50
Dimethylphthalate
Concen: 43.336 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:163 Resp: 493810

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.2	4.8
164	10.9	8.3	12.5

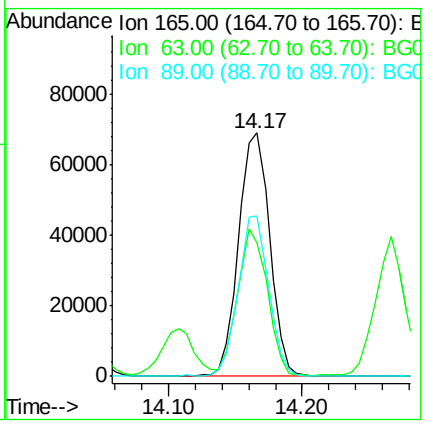




#51
2,6-Dinitrotoluene
Concen: 43.147 ng
RT: 14.17 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:165 Resp: 110943

Ion	Ratio	Lower	Upper
165	100		
63	54.9	45.0	67.4
89	65.7	50.2	75.4



Instrument :
BNA_G
ClientSampleId :
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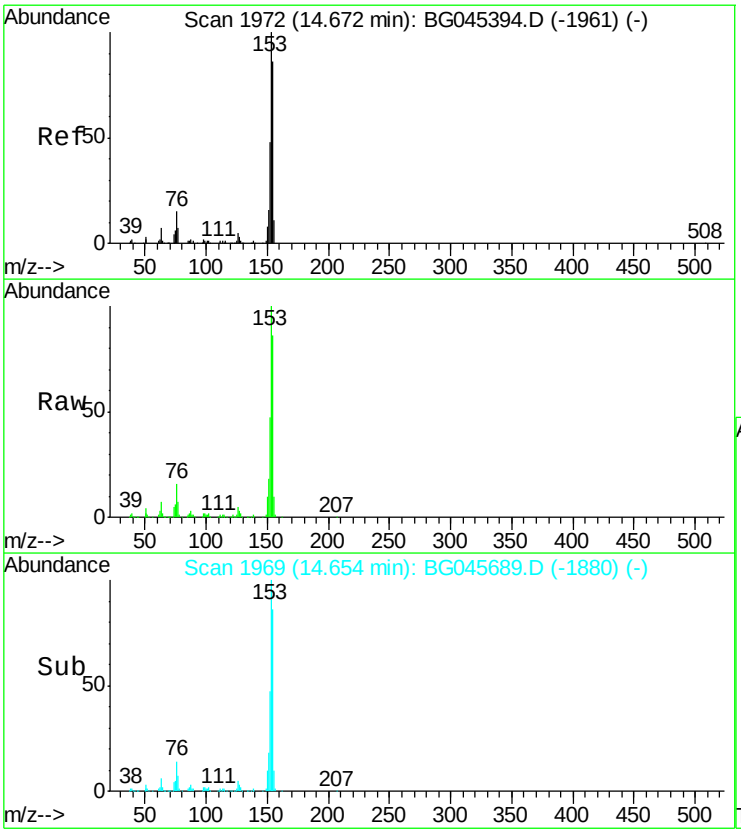
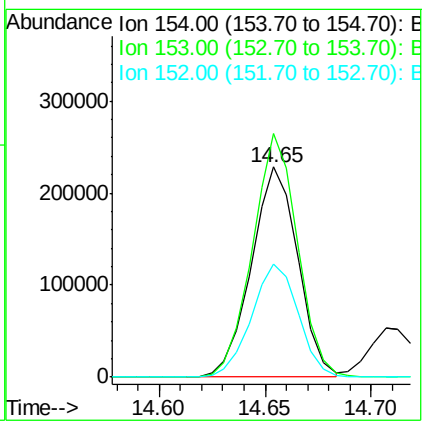
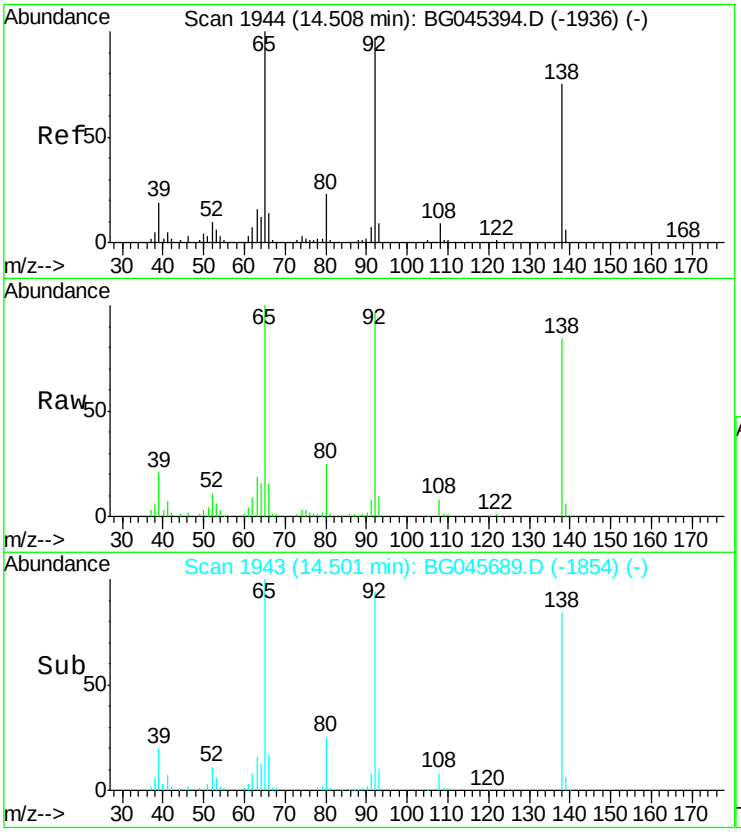


#52
Acenaphthene
Concen: 39.144 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:154 Resp: 348828

Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.8	139.2
152	54.0	44.6	66.8

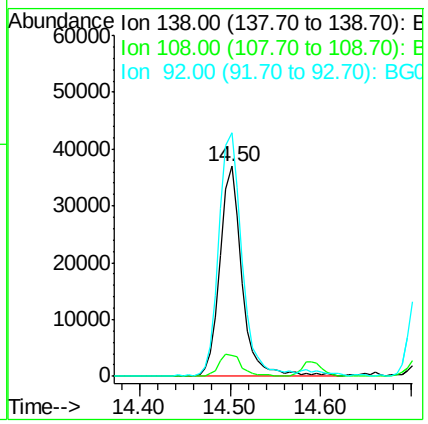




#53
3-Nitroaniline
Concen: 23.734 ng
RT: 14.50 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:138 Resp: 62036

Ion	Ratio	Lower	Upper
138	100		
108	9.7	9.8	14.6#
92	116.0	103.0	154.4



Instrument :
BNA_G
ClientSampleId :
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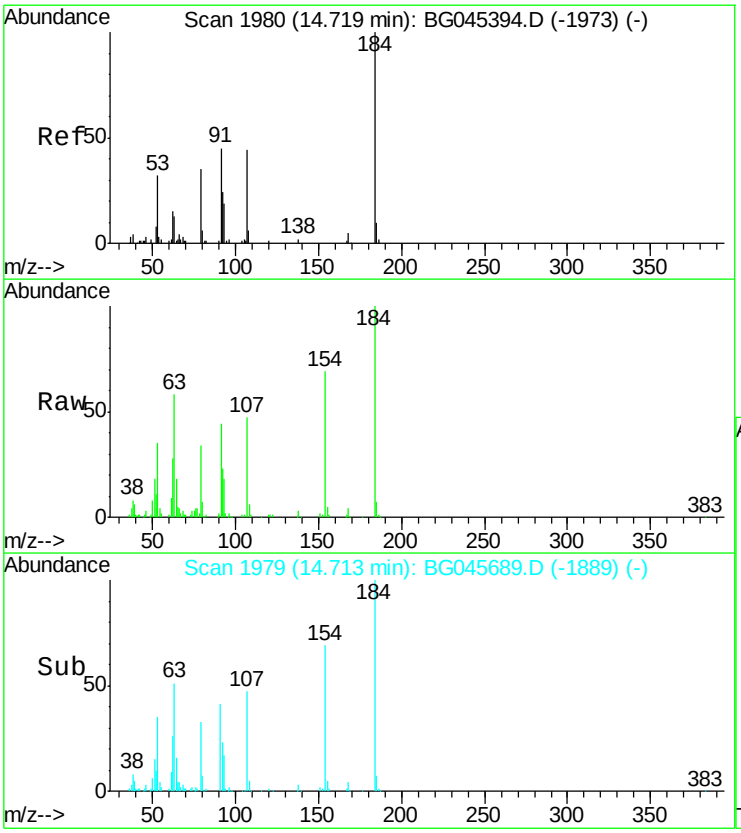
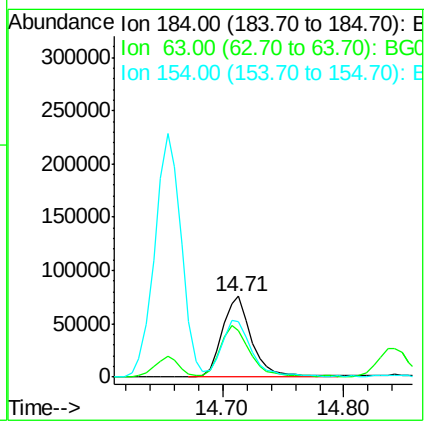
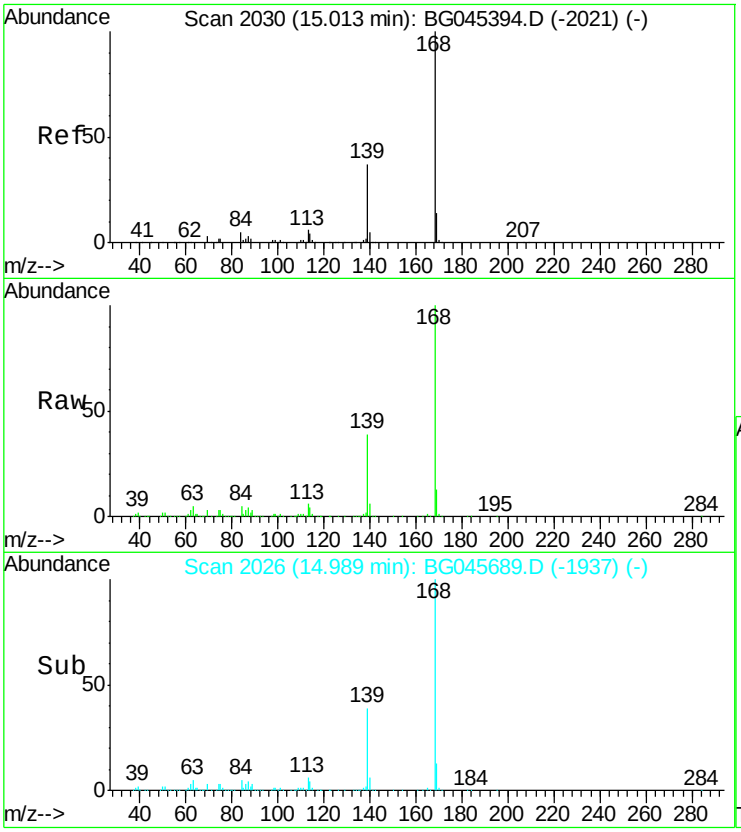


#54
2,4-Dinitrophenol
Concen: 76.985 ng
RT: 14.71 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:184 Resp: 129297

Ion	Ratio	Lower	Upper
184	100		
63	57.8	47.8	71.6
154	68.6	58.3	87.5

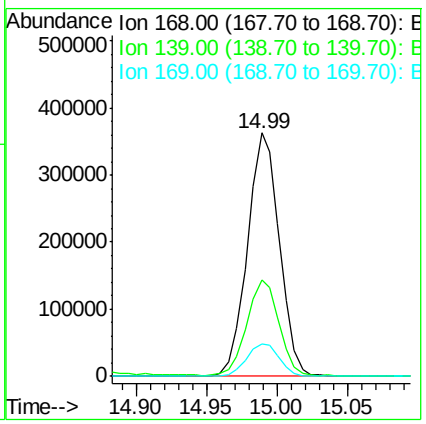




#55
Dibenzofuran
Concen: 43.467 ng
RT: 14.99 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:168 Resp: 575216

Ion	Ratio	Lower	Upper
168	100		
139	39.5	29.9	44.9
169	13.3	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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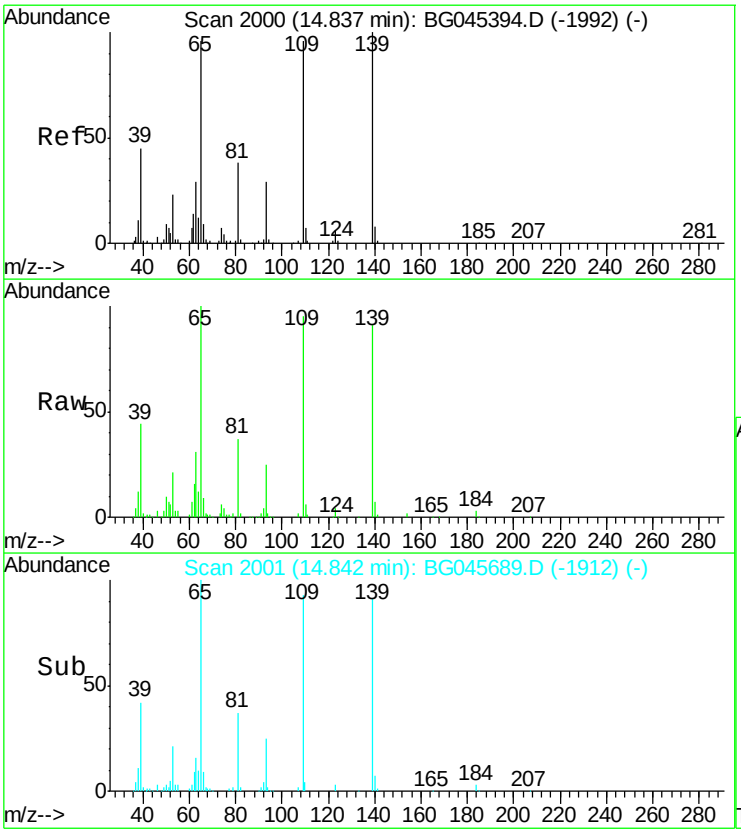
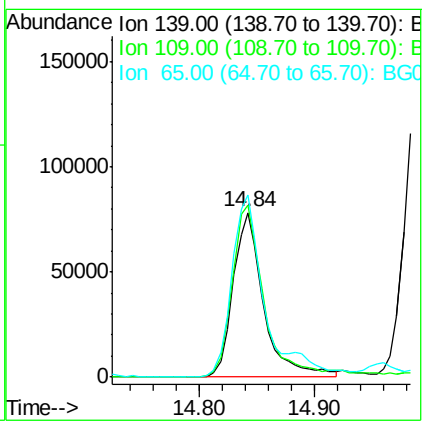
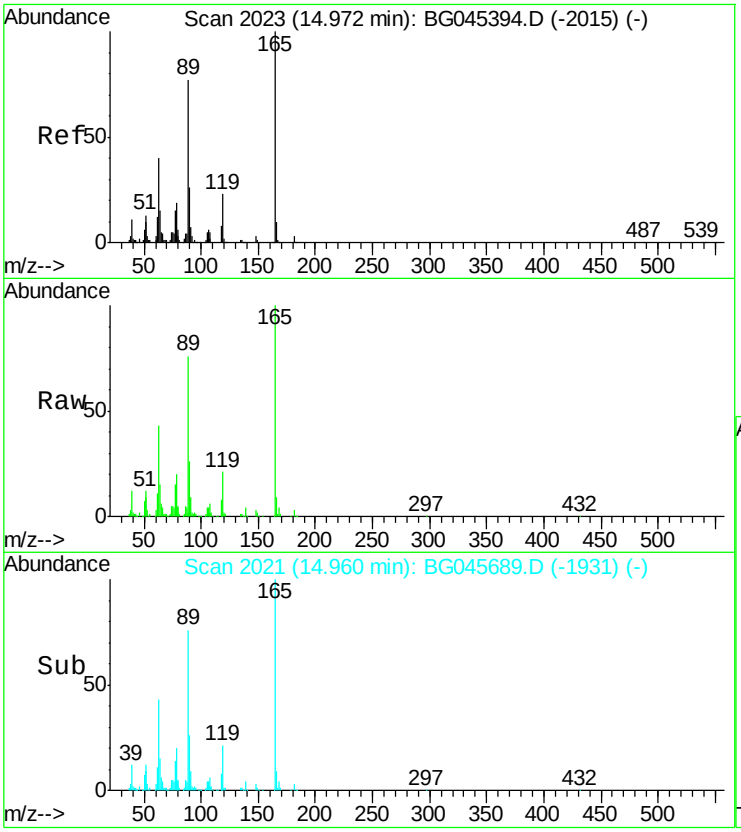


#56
4-Nitrophenol
Concen: 72.328 ng
RT: 14.84 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:139 Resp: 143129

Ion	Ratio	Lower	Upper
139	100		
109	104.3	75.6	115.6
65	110.4	76.8	116.8

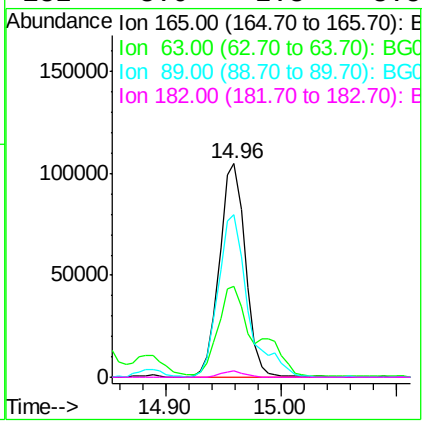




#57
2,4-Dinitrotoluene
Concen: 43.974 ng
RT: 14.96 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:165 Resp: 163754

Ion	Ratio	Lower	Upper
165	100		
63	42.8	32.5	48.7
89	76.1	61.8	92.6
182	3.0	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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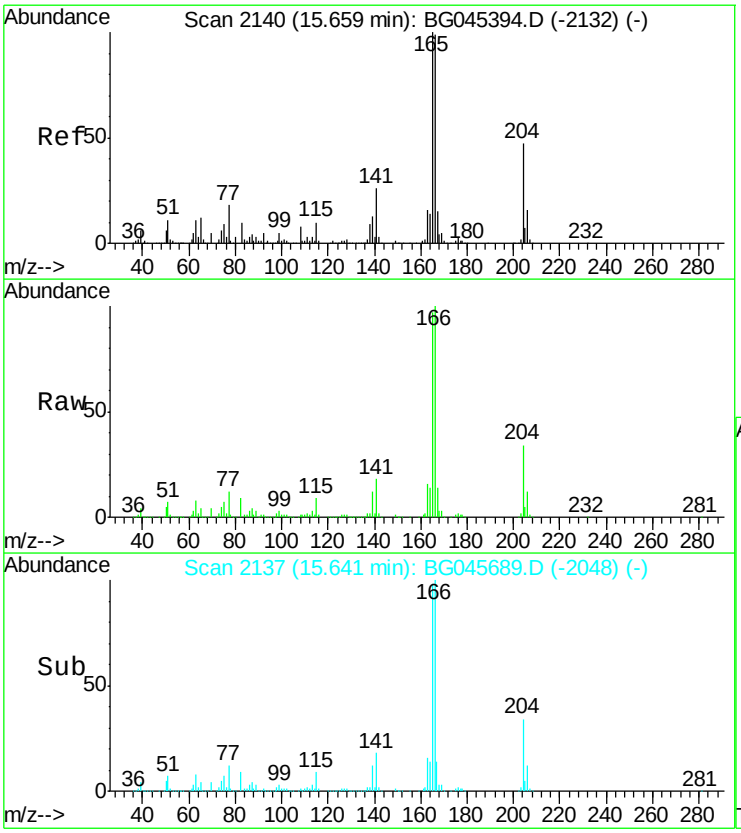
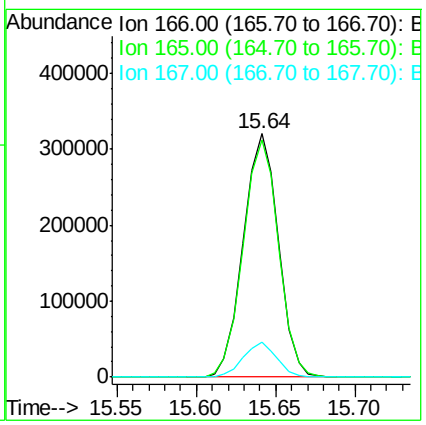
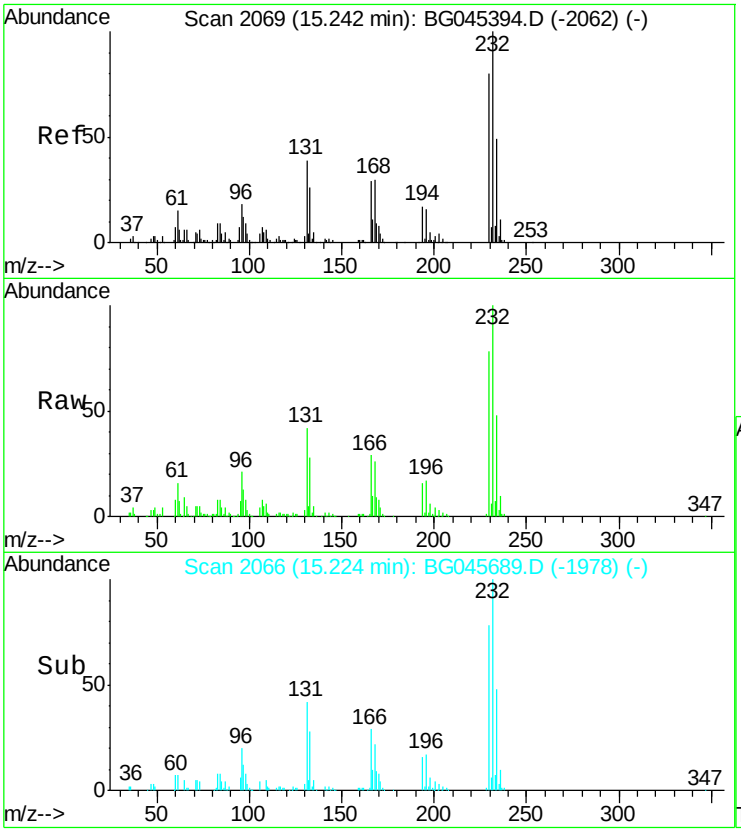


#58
Fluorene
Concen: 45.363 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:166 Resp: 493181

Ion	Ratio	Lower	Upper
166	100		
165	97.4	80.8	121.2
167	14.3	12.0	18.0

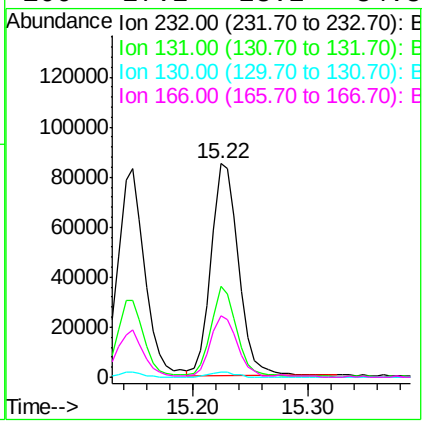




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.508 ng
RT: 15.22 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:232 Resp: 140978

Ion	Ratio	Lower	Upper
232	100		
131	40.7	33.7	50.5
130	2.5	2.1	3.1
166	27.2	23.2	34.8



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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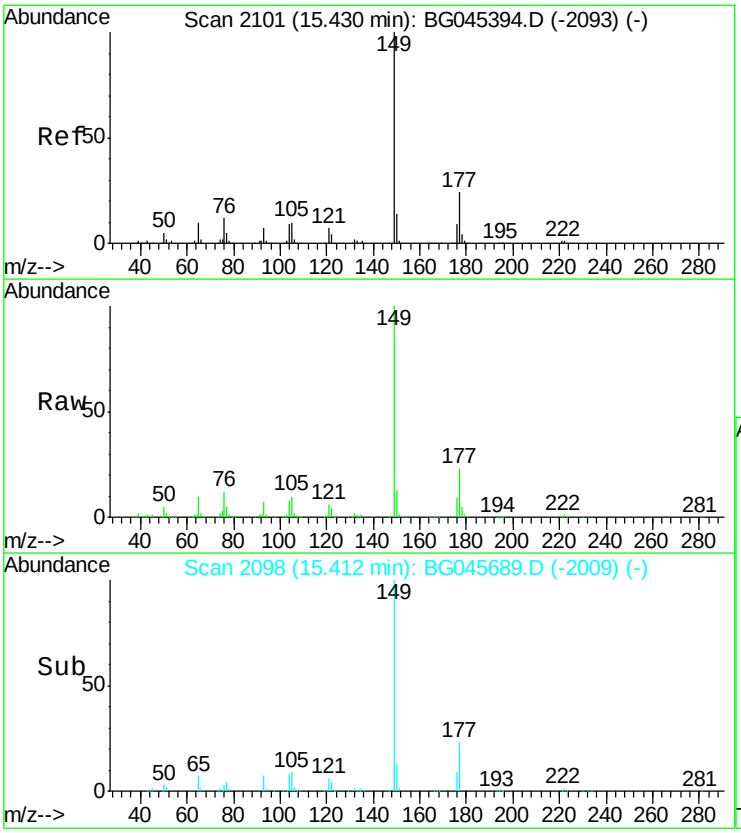
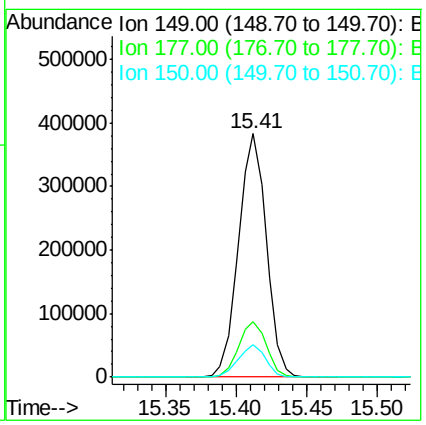
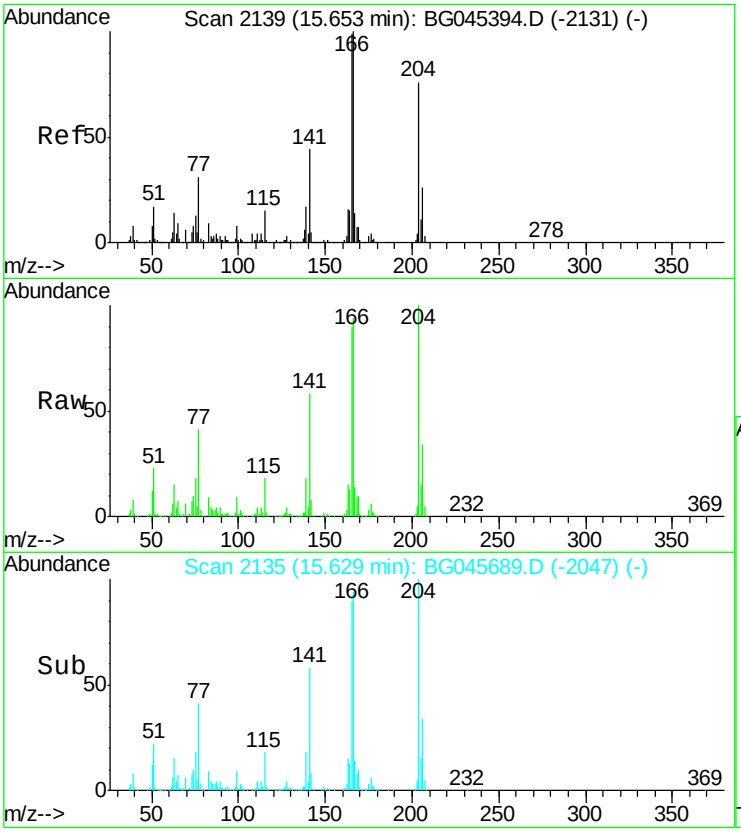


#60
Diethylphthalate
Concen: 44.525 ng
RT: 15.41 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:149 Resp: 528080

Ion	Ratio	Lower	Upper
149	100		
177	22.7	19.0	28.4
150	13.4	11.4	17.0

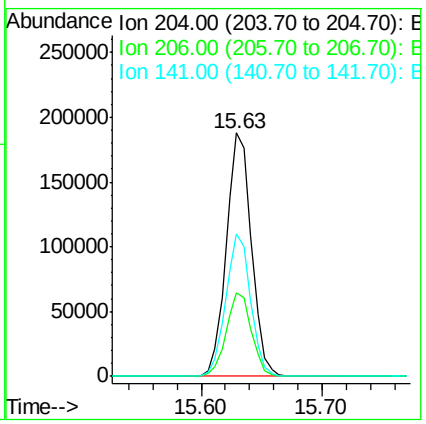




#61
4-Chlorophenyl-phenylether
Concen: 43.624 ng
RT: 15.63 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:204 Resp: 271399

Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.3	40.9
141	58.4	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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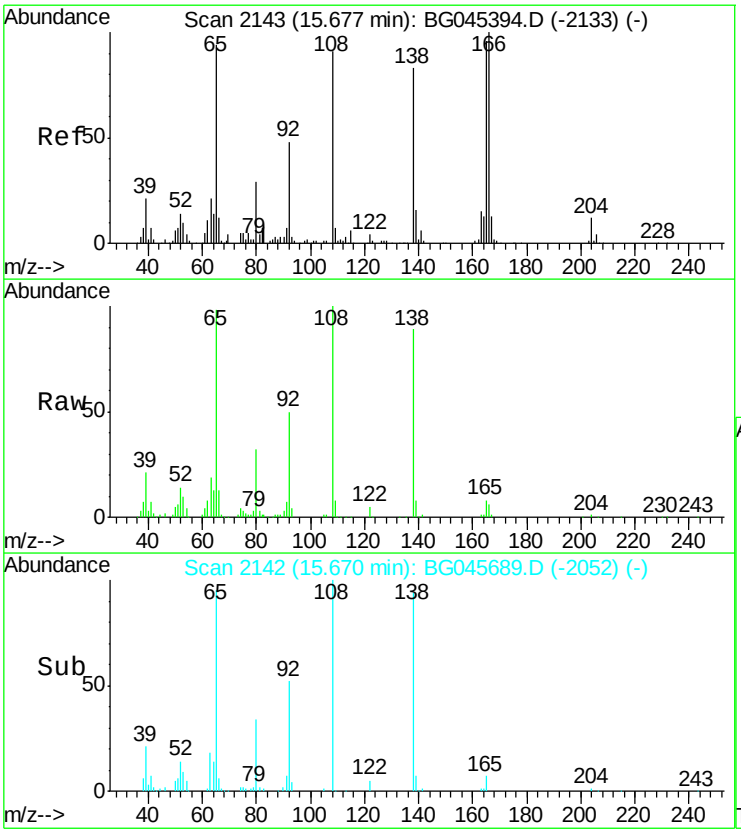
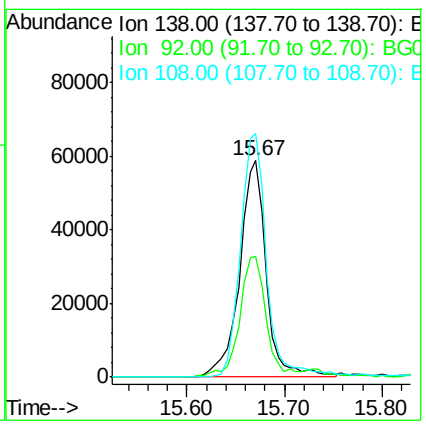
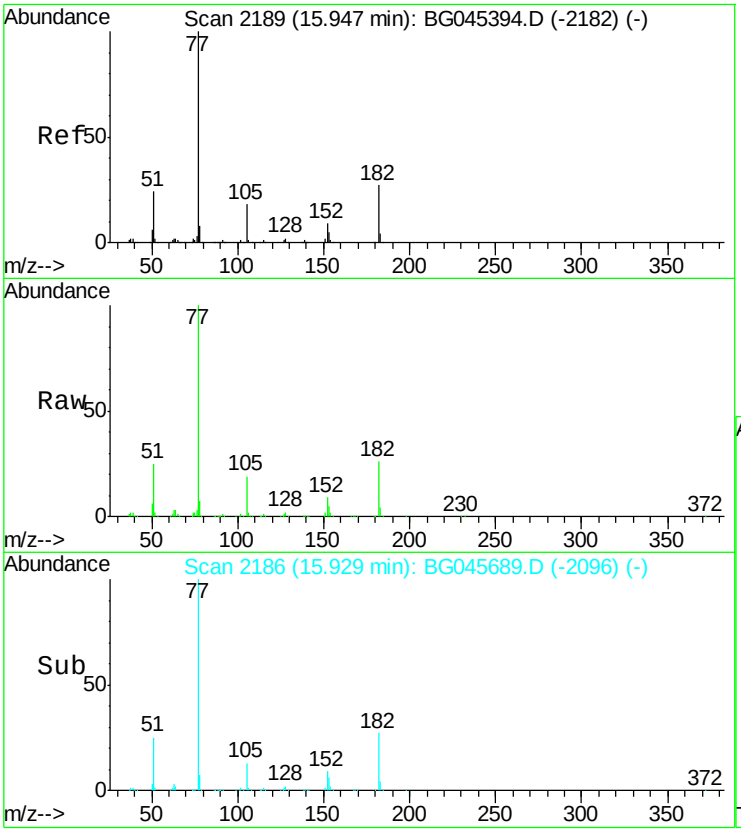


#62
4-Nitroaniline
Concen: 41.057 ng
RT: 15.67 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:138 Resp: 112032

Ion	Ratio	Lower	Upper
138	100		
92	55.7	38.0	78.0
108	112.4	89.3	129.3

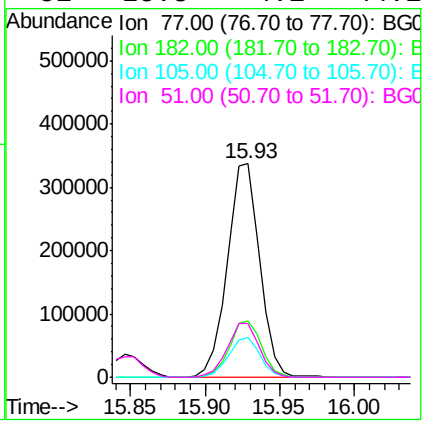




#63
Azobenzene
Concen: 45.917 ng
RT: 15.93 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion: 77 Resp: 507794

Ion	Ratio	Lower	Upper
77	100		
182	26.5	6.5	46.5
105	18.5	0.0	37.9
51	25.3	4.1	44.1



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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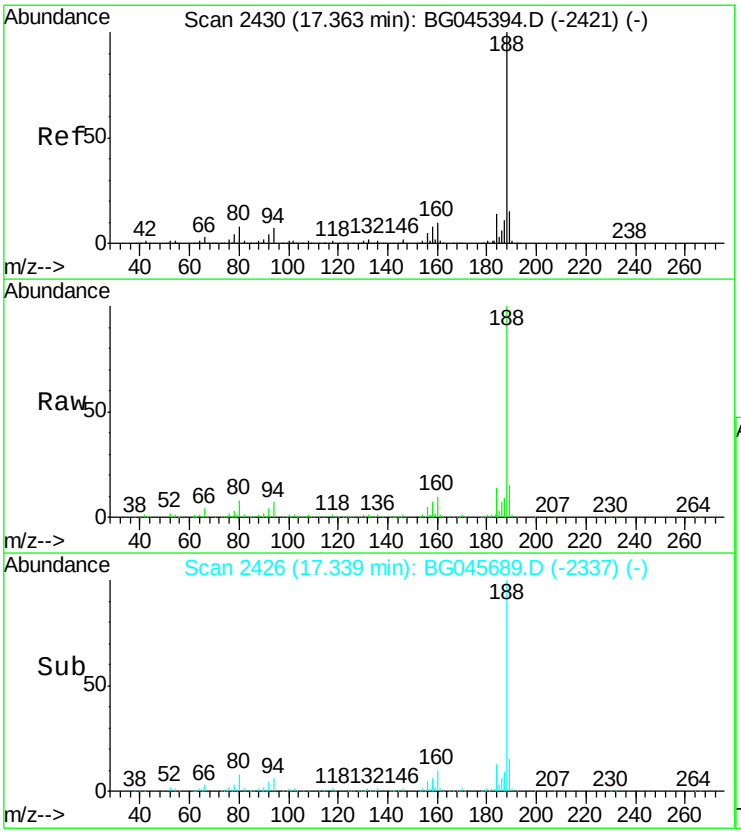
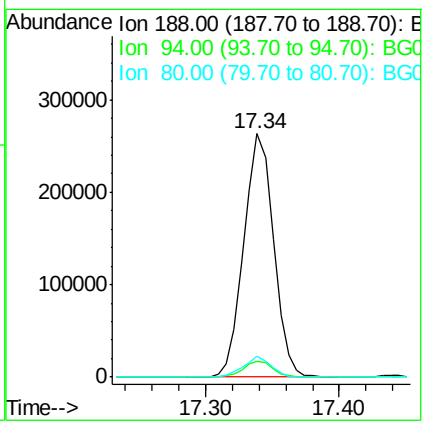
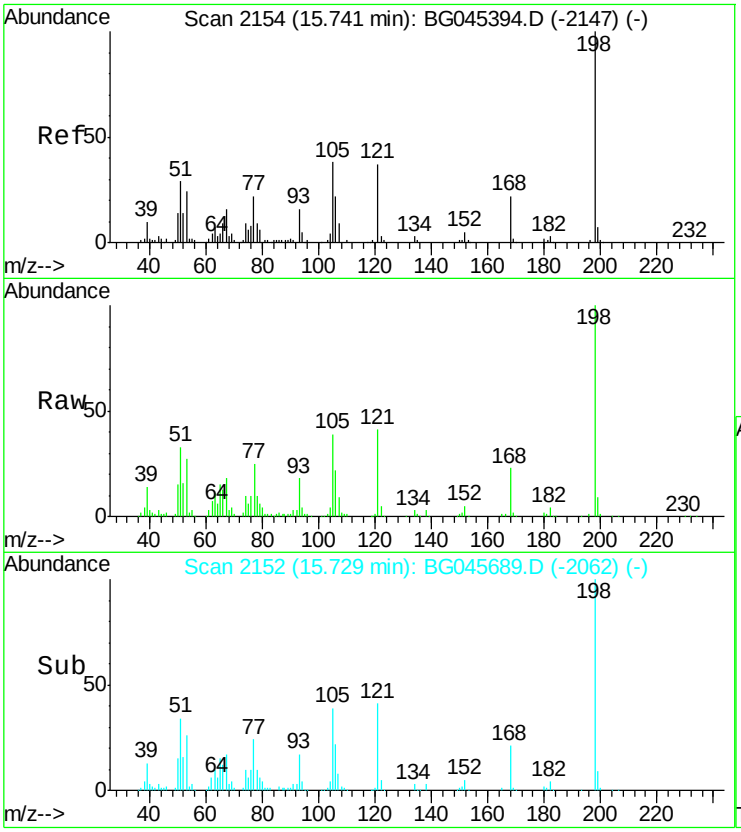


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:188 Resp: 404094

Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.5	8.3
80	8.4	6.6	10.0





#65
4,6-Dinitro-2-methylphenol
Concen: 44.064 ng
RT: 15.73 min Scan# 2152
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:198 Resp: 103701

Ion	Ratio	Lower	Upper
198	100		
51	33.4	10.0	50.0
105	39.0	18.9	58.9

Instrument :
BNA_G
ClientSampleId :
PB129414BS

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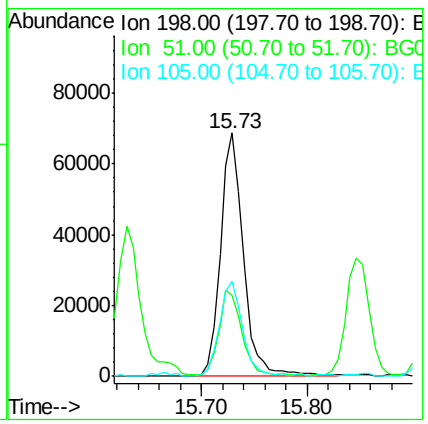
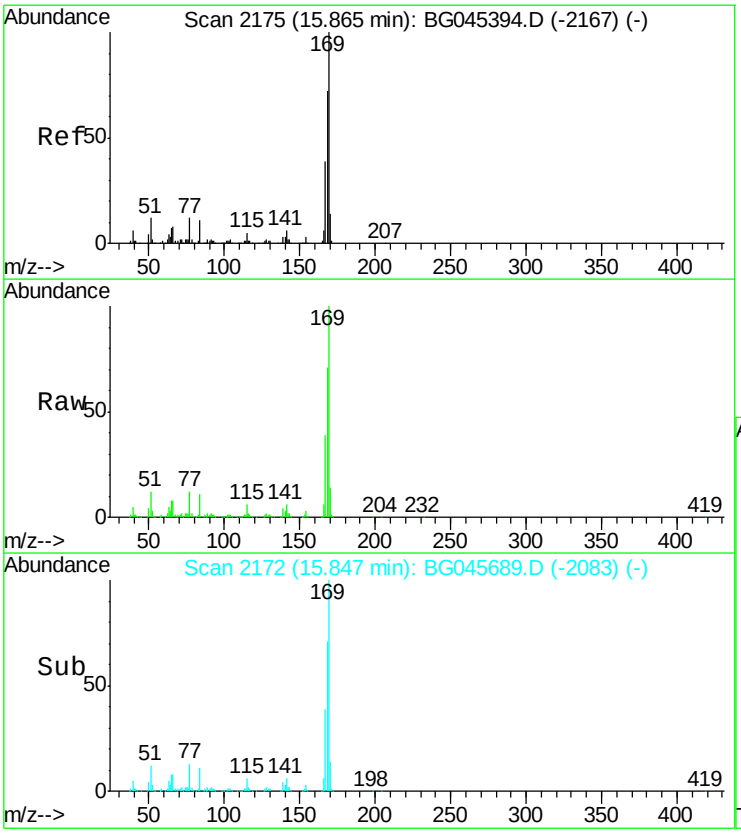
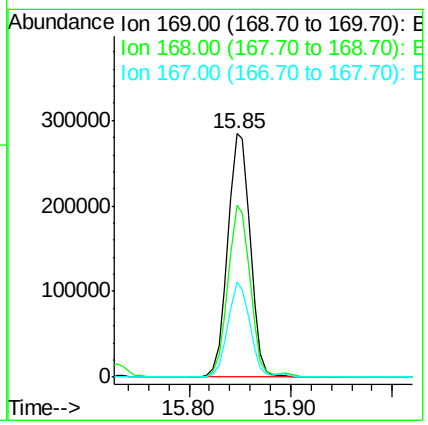


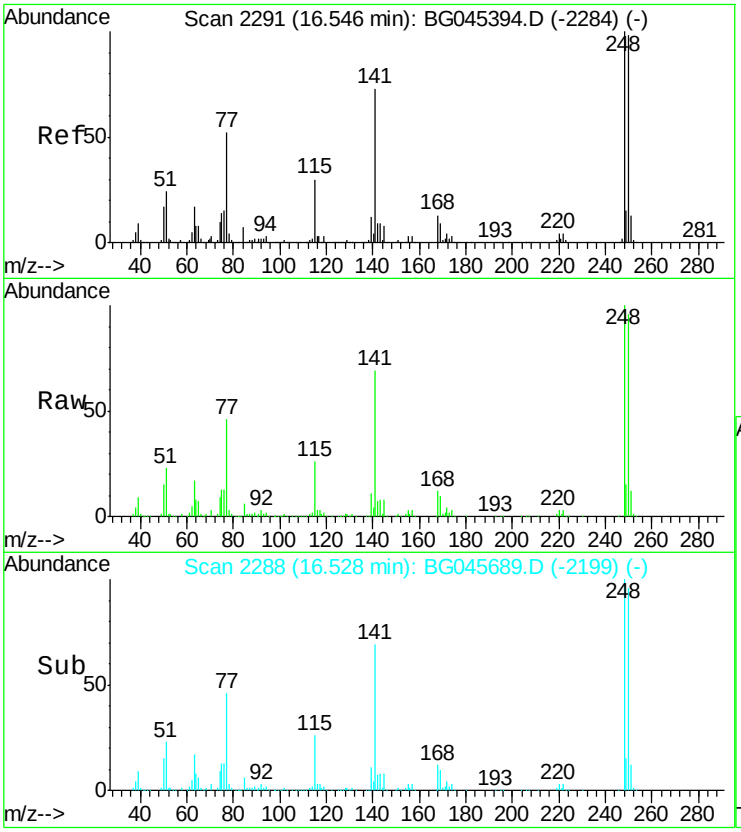


#66
n-Nitrosodiphenylamine
Concen: 45.190 ng
RT: 15.85 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:169 Resp: 438442

Ion	Ratio	Lower	Upper
169	100		
168	70.8	57.8	86.6
167	39.1	31.5	47.3

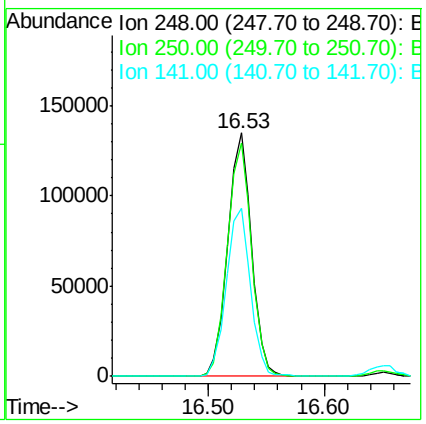




#67
4-Bromophenyl-phenylether
Concen: 43.867 ng
RT: 16.53 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:248 Resp: 191949

Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.6	117.8
141	69.1	58.2	87.2



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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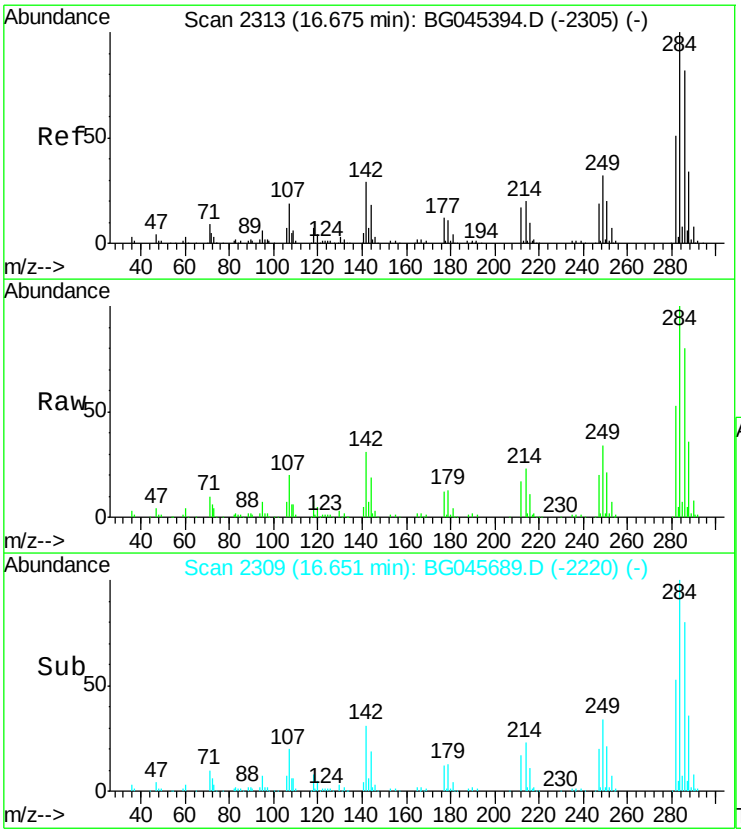
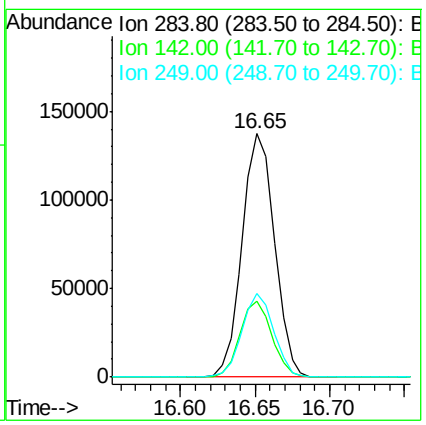
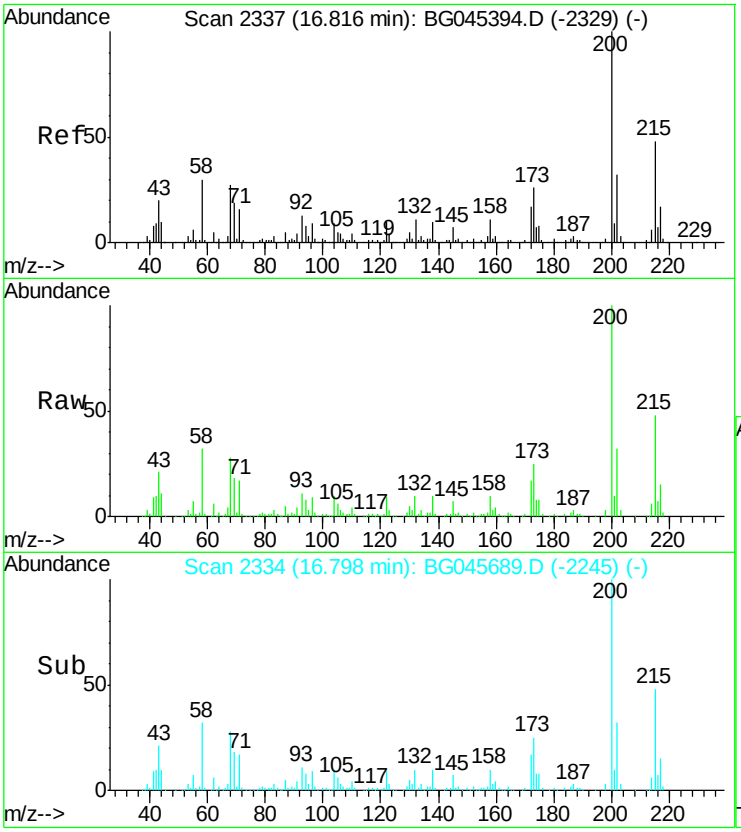


#68
Hexachlorobenzene
Concen: 45.048 ng
RT: 16.65 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:284 Resp: 206167

Ion	Ratio	Lower	Upper
284	100		
142	31.4	23.0	34.6
249	34.2	25.8	38.6

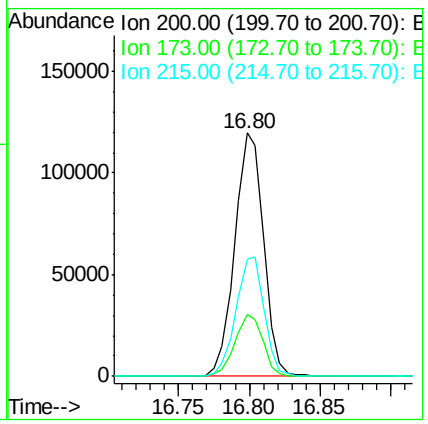




#69
Atrazine
Concen: 42.590 ng
RT: 16.80 min Scan# 2334
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:200 Resp: 170201

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.5	45.5
215	48.0	28.2	68.2



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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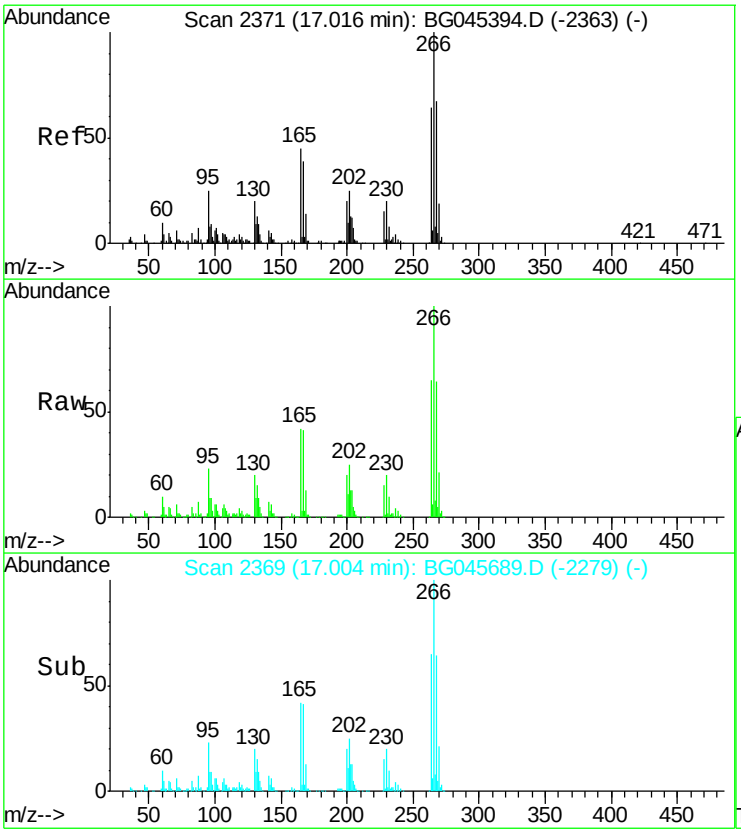
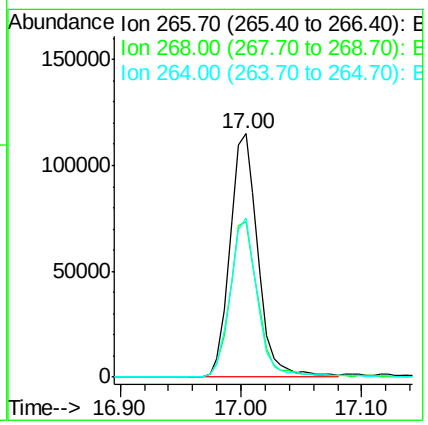
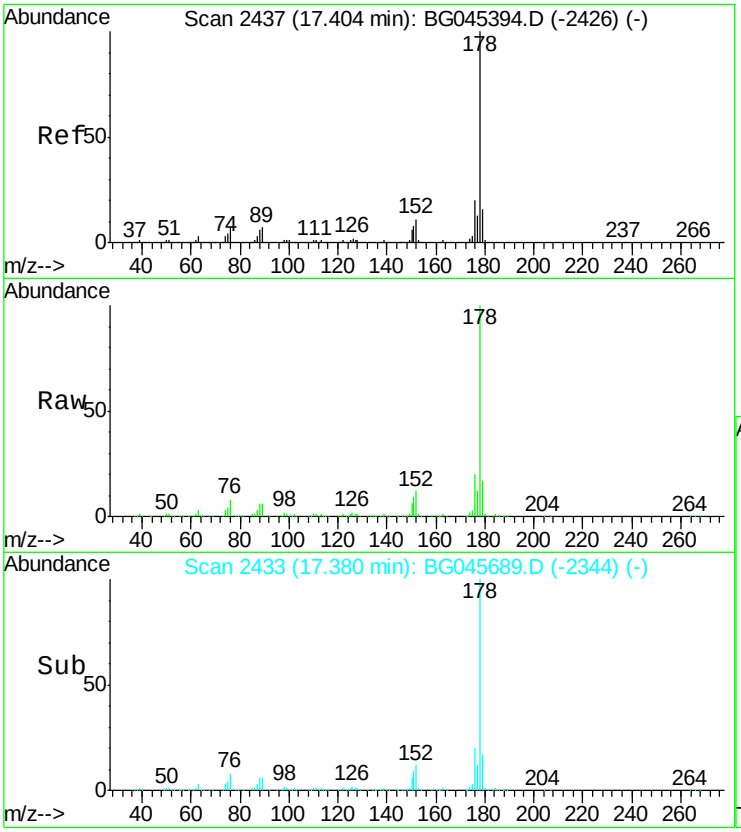


#70
Pentachlorophenol
Concen: 78.056 ng
RT: 17.00 min Scan# 2369
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:266 Resp: 185489

Ion	Ratio	Lower	Upper
266	100		
268	64.0	53.2	79.8
264	65.5	51.0	76.4

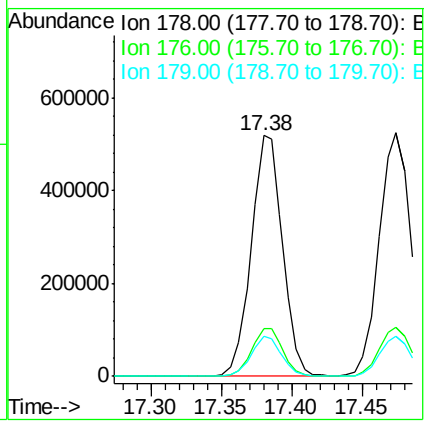




#71
Phenanthrene
Concen: 45.768 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:178 Resp: 807383

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	16.7	13.1	19.7



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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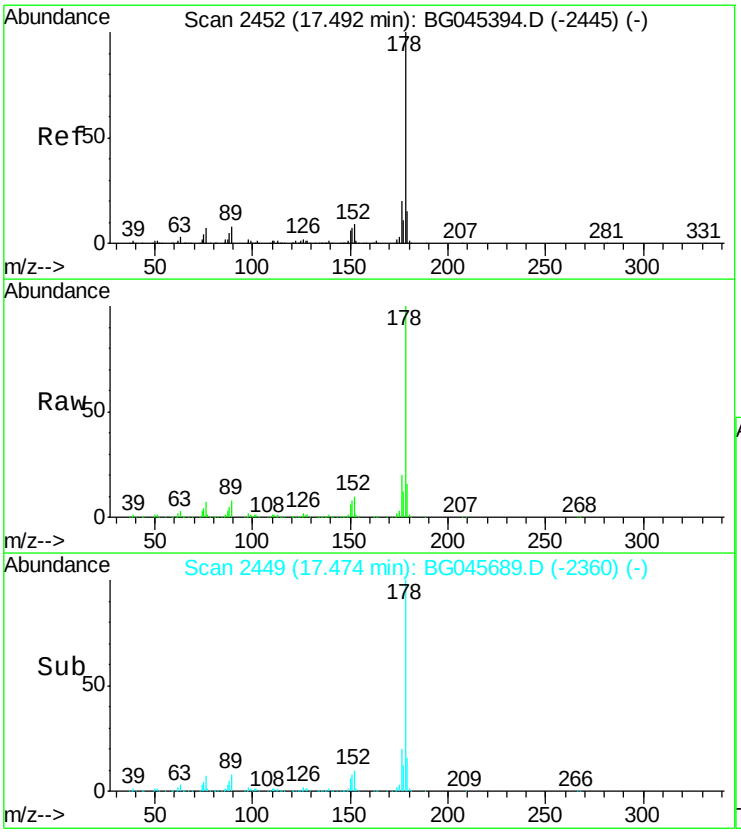
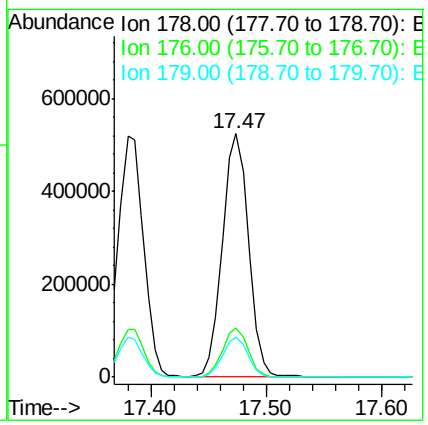
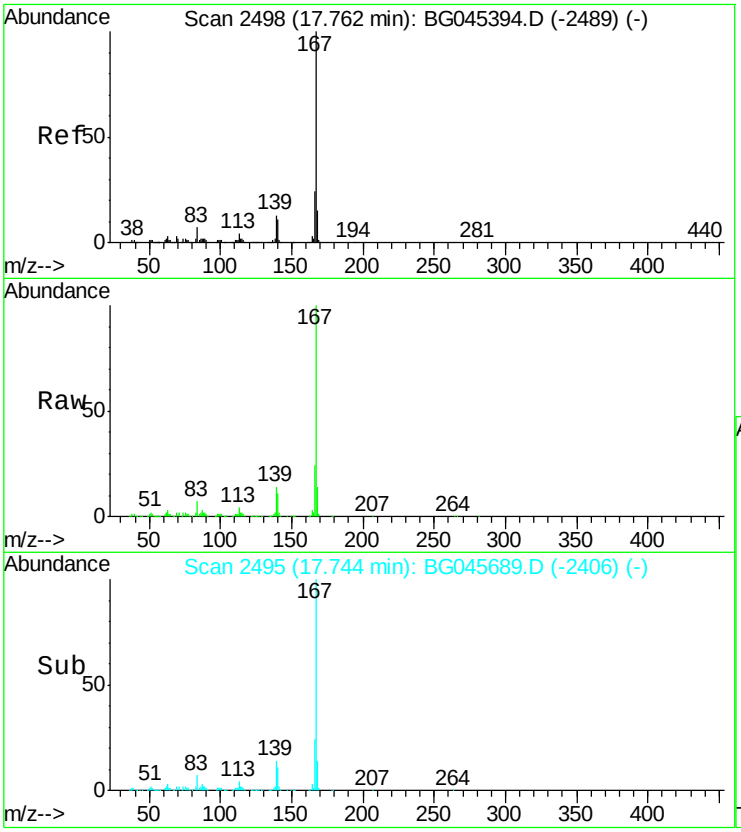


#72
Anthracene
Concen: 46.400 ng
RT: 17.47 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:178 Resp: 822011

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	16.4	12.2	18.4

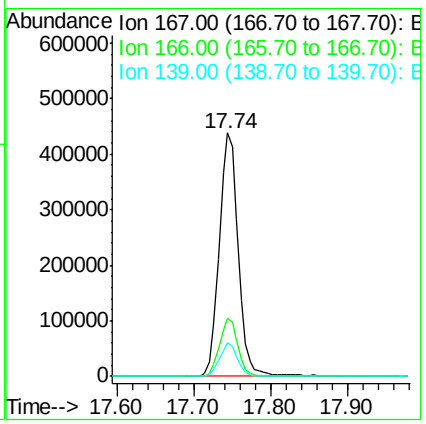




#73
Carbazole
Concen: 43.319 ng
RT: 17.74 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:167 Resp: 748045

Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.2	28.8
139	13.7	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
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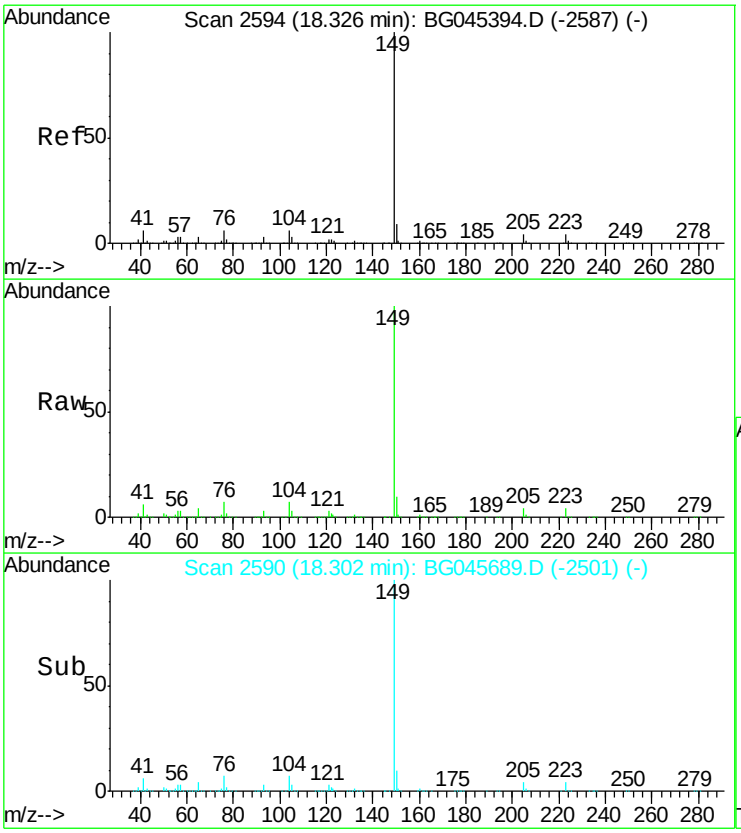
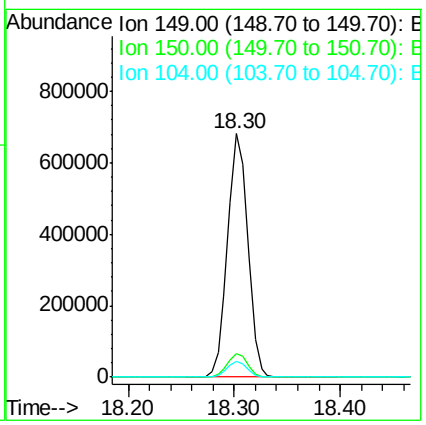
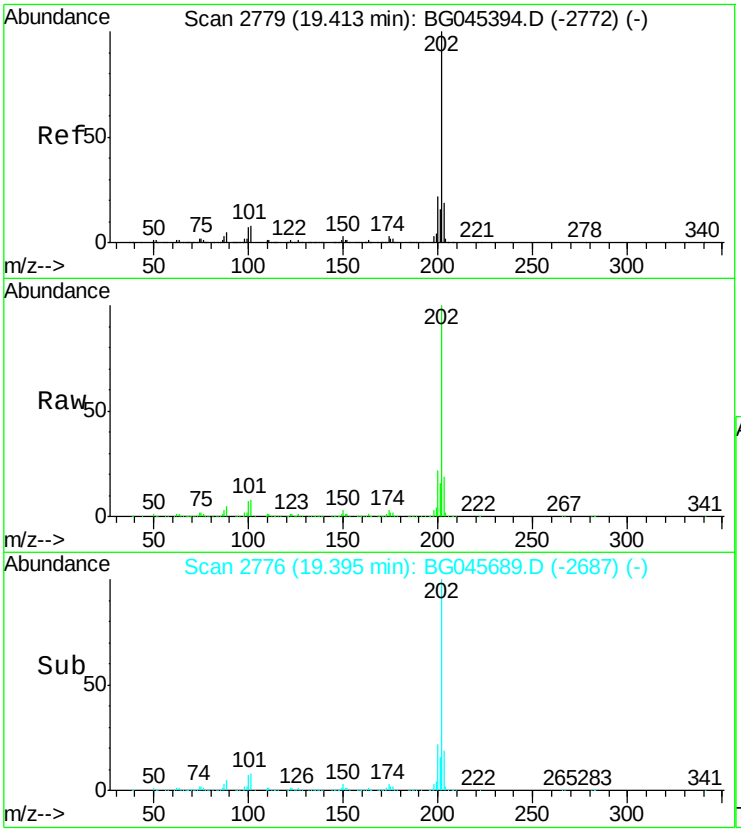


#74
Di-n-butylphthalate
Concen: 43.458 ng
RT: 18.30 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:149 Resp: 900737

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	6.6	5.0	7.4

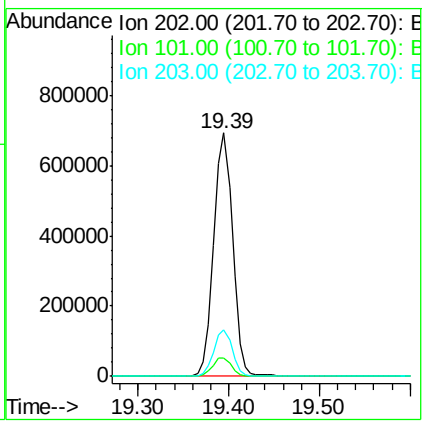




#75
Fluoranthene
Concen: 44.635 ng
RT: 19.39 min Scan# 2776
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:202 Resp: 1001535

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.3
203	18.9	0.0	39.0



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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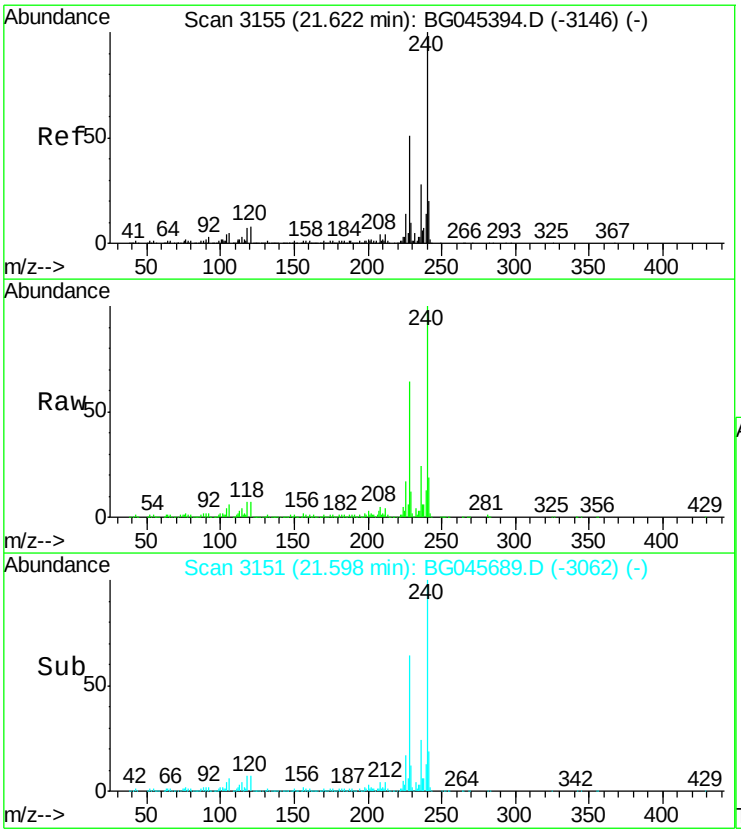
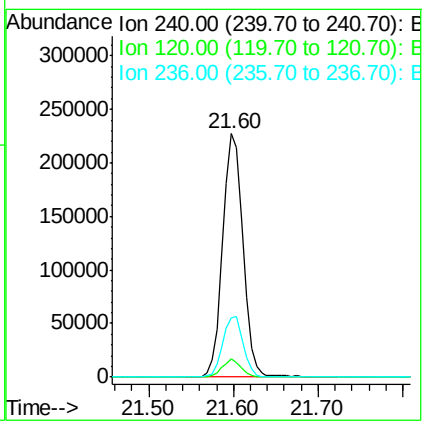
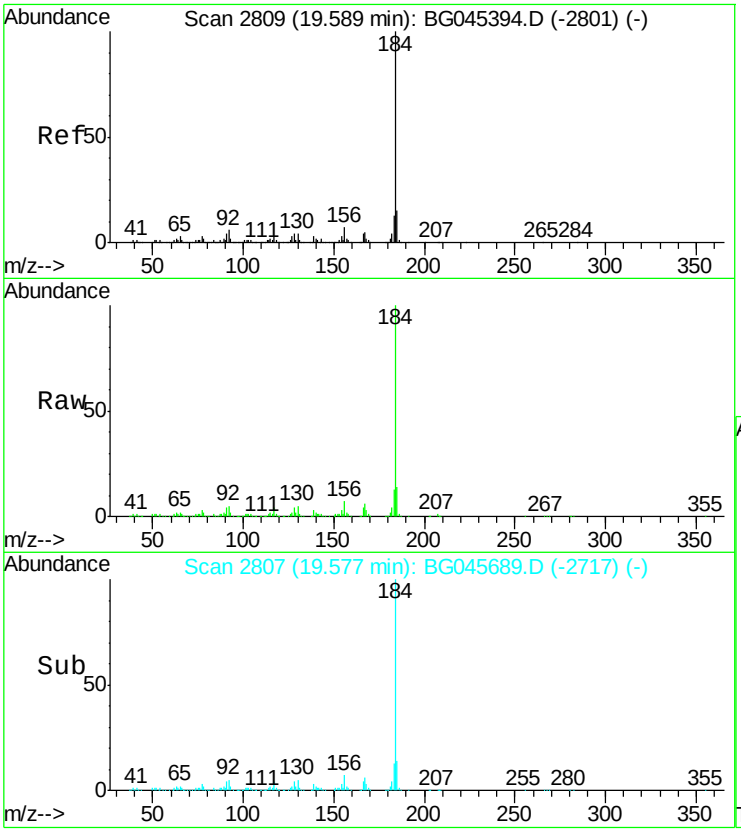


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:240 Resp: 376578

Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.1	9.1
236	24.2	22.3	33.5

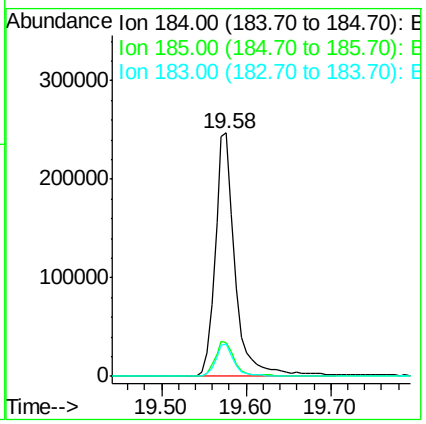




#77
Benzidine
Concen: 38.718 ng
RT: 19.58 min Scan# 2807
Delta R.T. 0.00 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:184 Resp: 409501

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.7	17.5
183	13.1	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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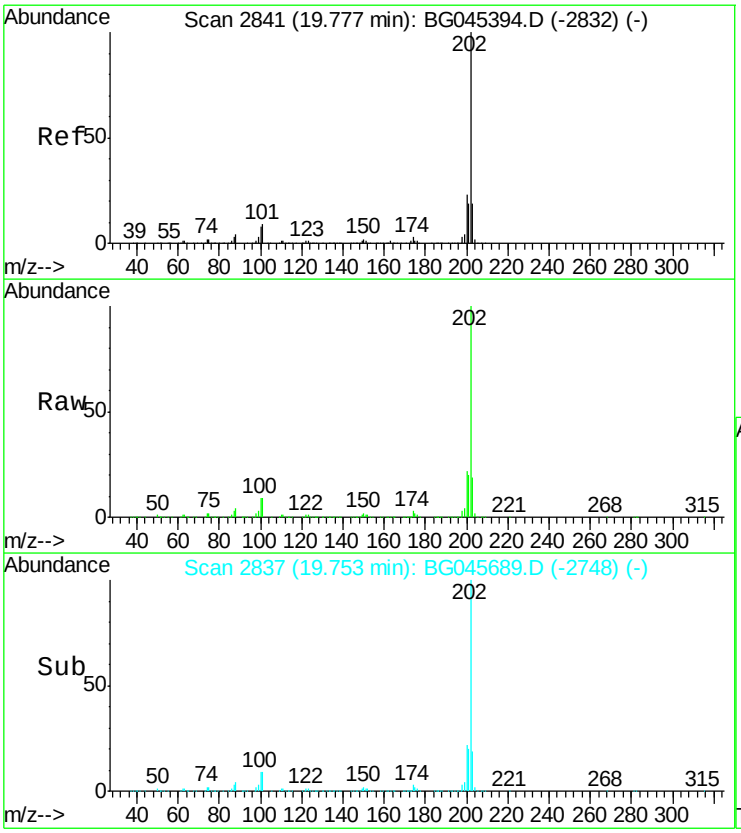
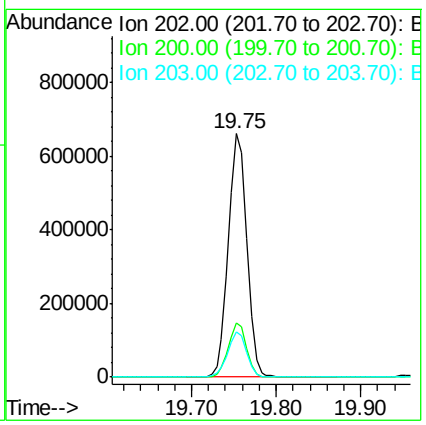
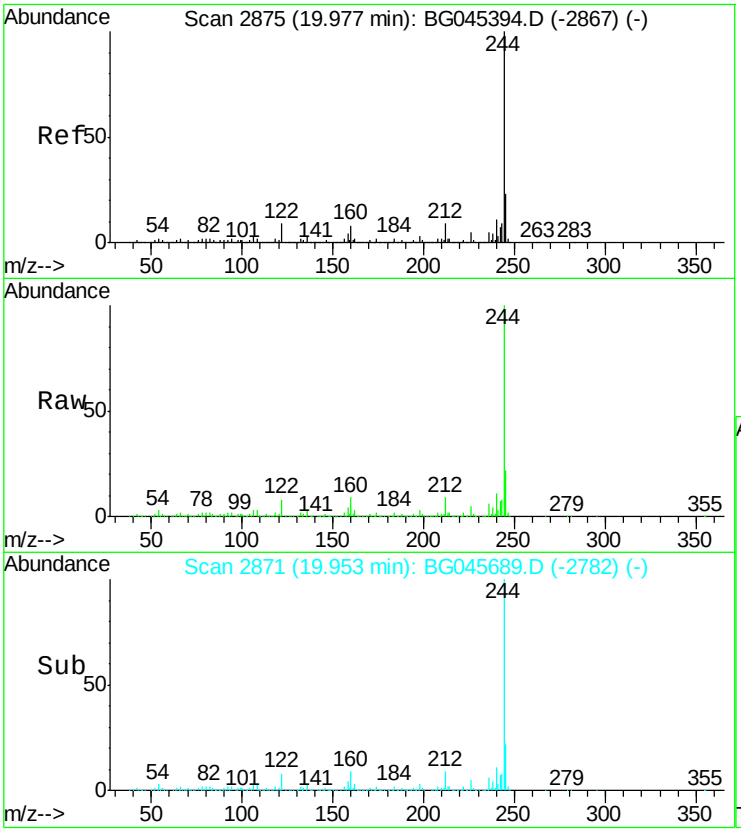


#78
Pyrene
Concen: 46.160 ng
RT: 19.75 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:202 Resp: 990890

Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.2	27.2
203	18.7	15.1	22.7

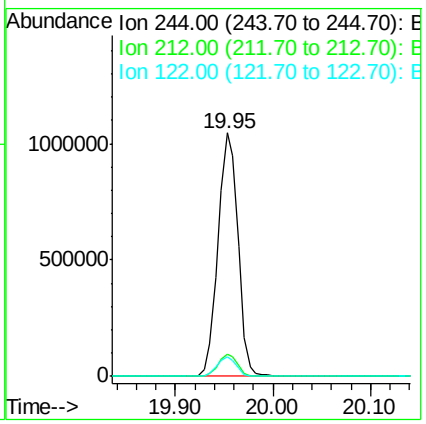




#79
Terphenyl-d14
Concen: 91.906 ng
RT: 19.95 min Scan# 2871
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:244 Resp: 1483933

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.4	11.0
122	8.3	6.8	10.2



Instrument :
BNA_G
ClientSampleId :
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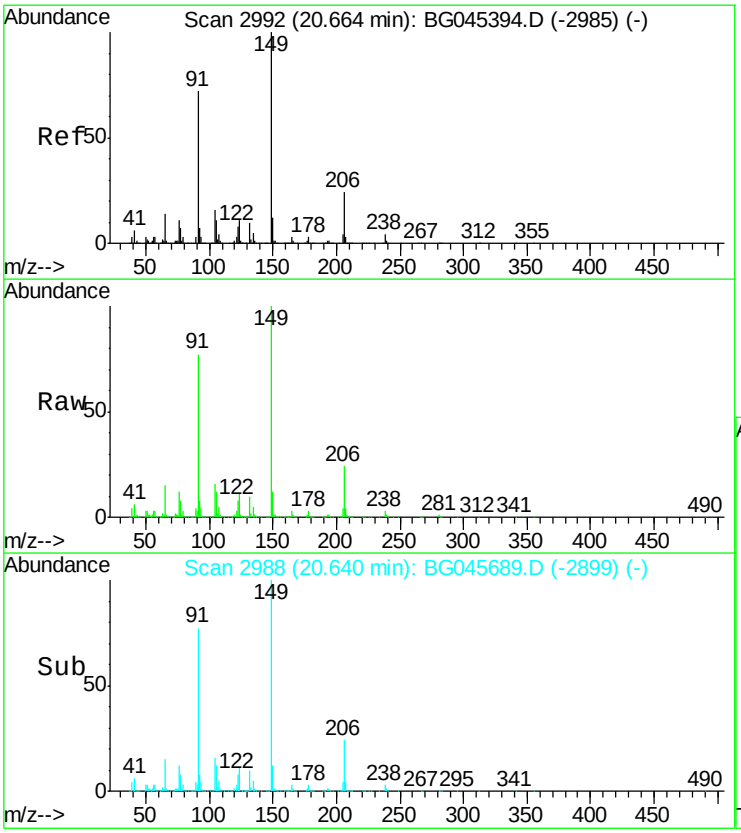
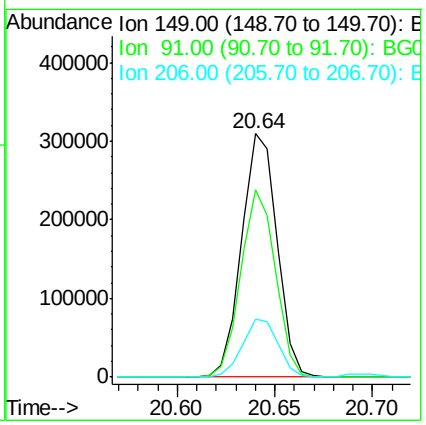
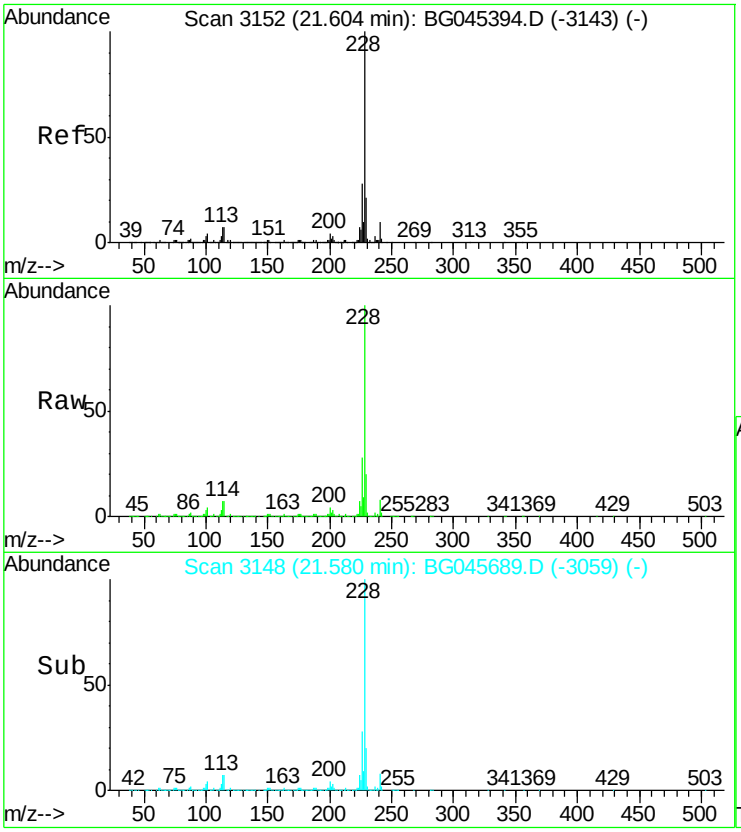


#80
Butylbenzylphthalate
Concen: 42.009 ng
RT: 20.64 min Scan# 2988
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:149 Resp: 389239

Ion	Ratio	Lower	Upper
149	100		
91	76.9	57.8	86.6
206	23.9	19.1	28.7

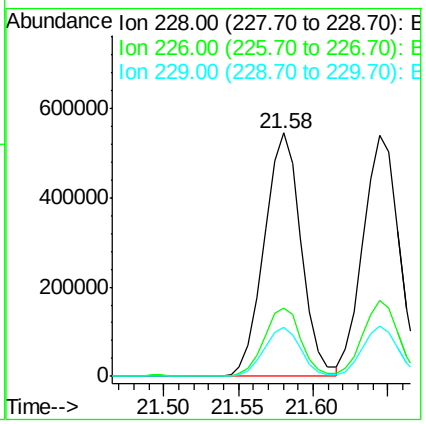




#81
Benzo(a)anthracene
Concen: 44.664 ng
RT: 21.58 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:228 Resp: 936969

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.7	34.1
229	20.4	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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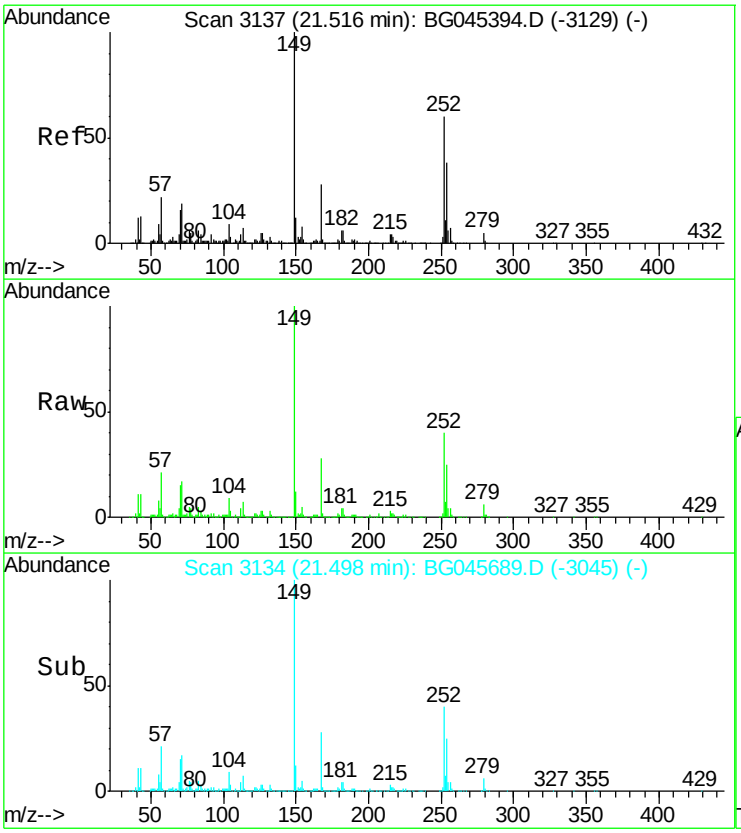
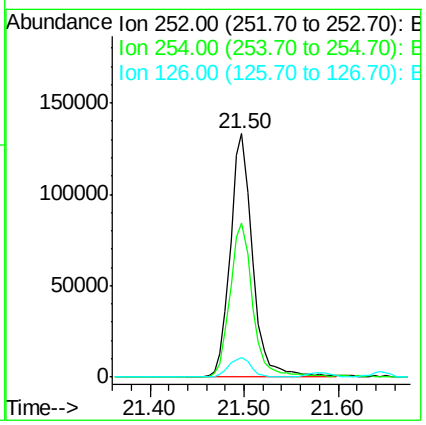
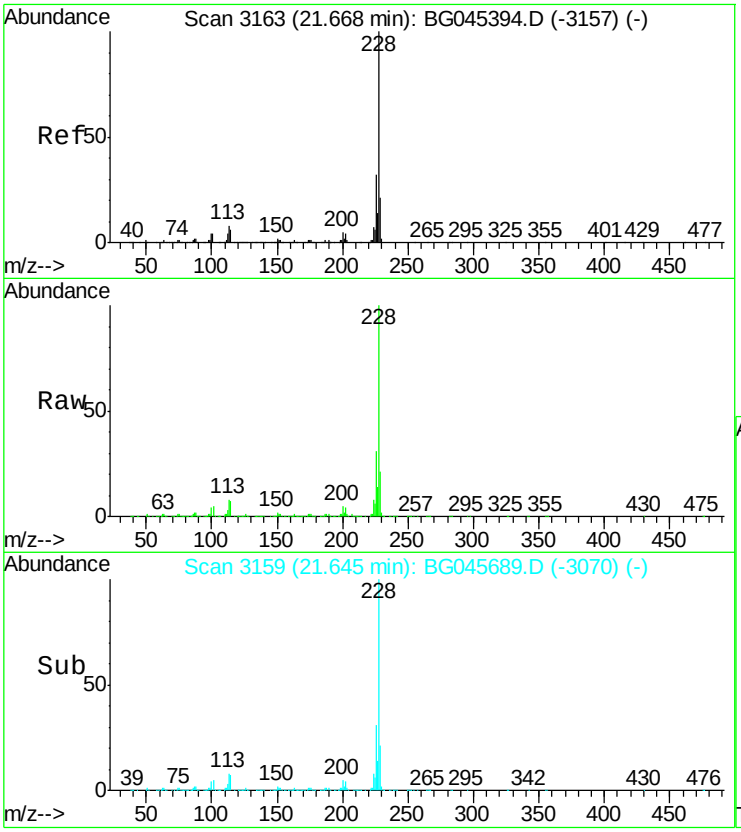


#82
3,3'-Dichlorobenzidine
Concen: 26.665 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:252 Resp: 219418

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.3	76.9
126	8.1	6.6	10.0

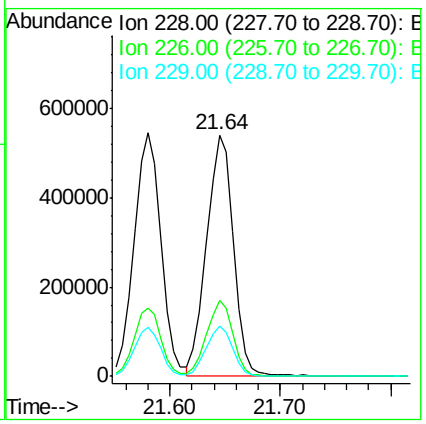




#83
Chrysene
Concen: 44.542 ng
RT: 21.64 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:228 Resp: 898464

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.2	37.8
229	20.9	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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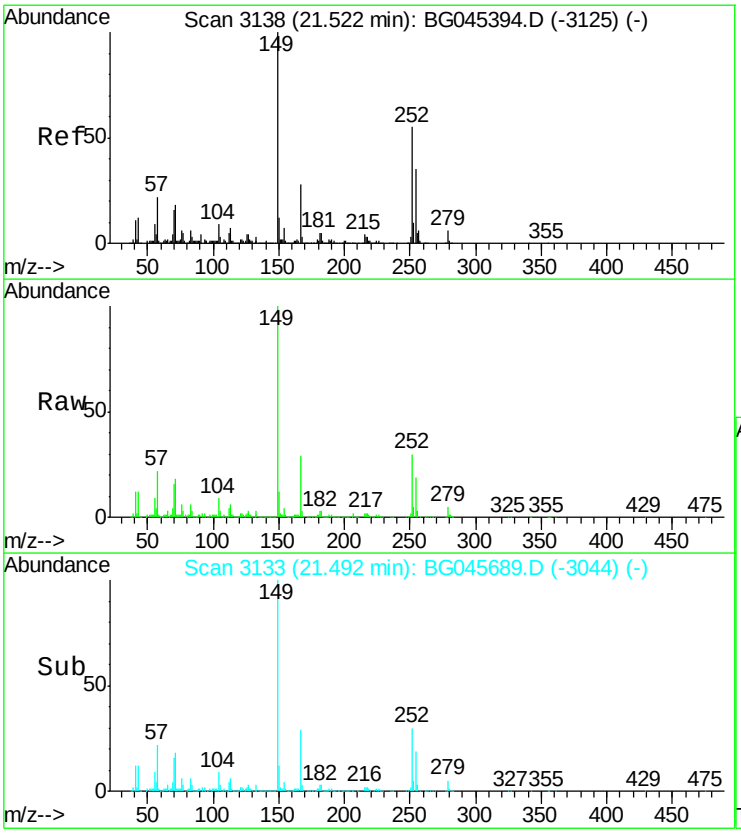
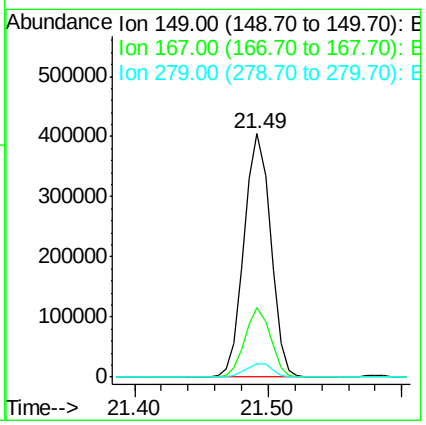
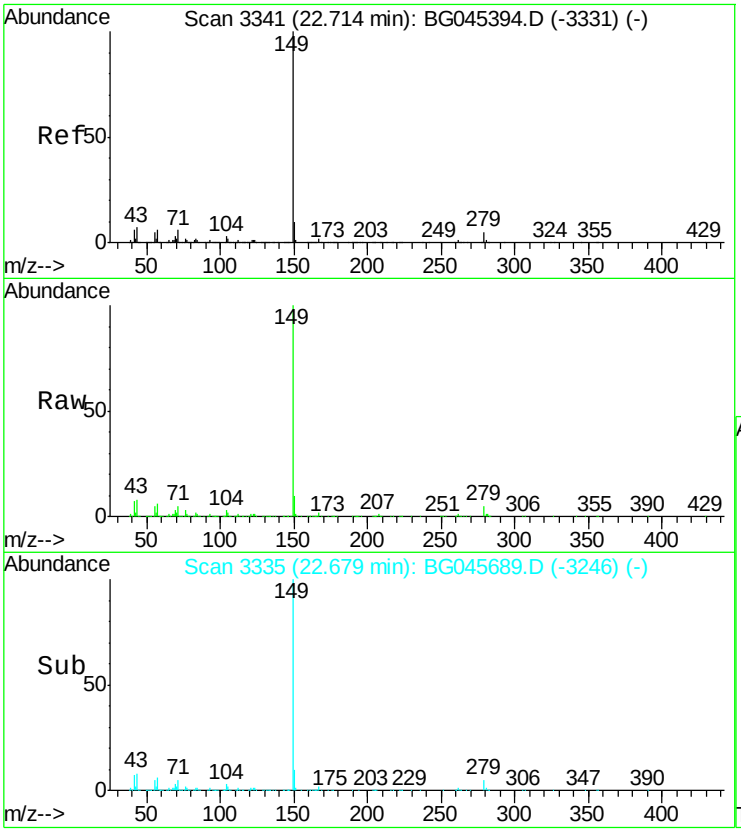


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.495 ng
RT: 21.49 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:149 Resp: 553993

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.2	33.2
279	5.3	4.7	7.1

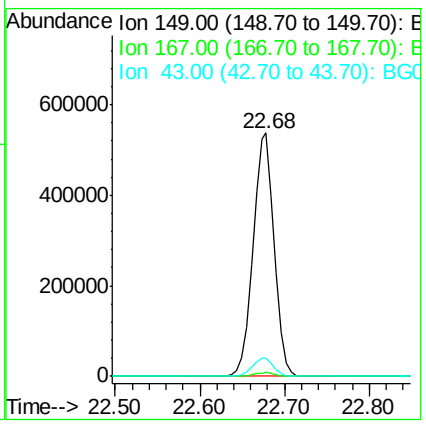




#85
Di-n-octyl phthalate
Concen: 42.888 ng
RT: 22.68 min Scan# 3335
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:149 Resp: 938211

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	7.7	5.8	8.8



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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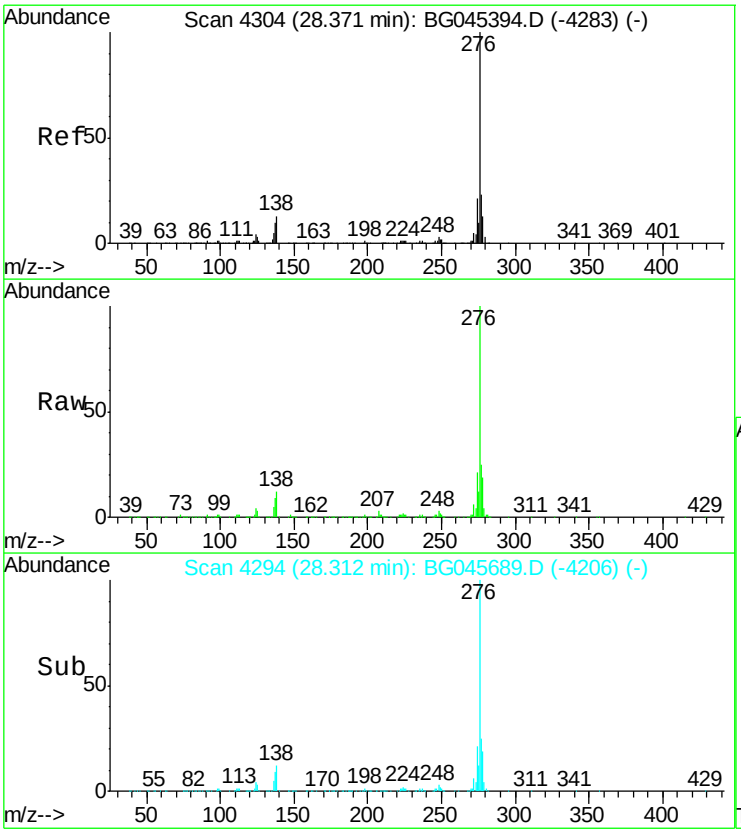
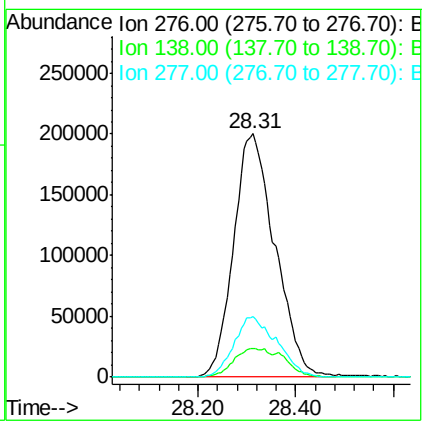
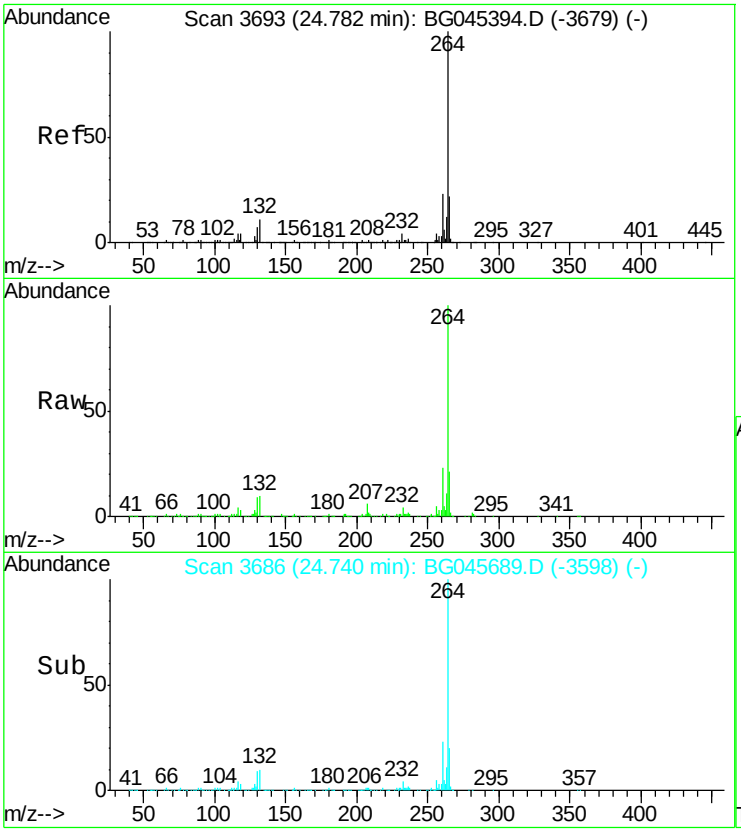


#86
Indeno(1,2,3-cd)pyrene
Concen: 44.767 ng
RT: 28.31 min Scan# 4294
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:276 Resp: 1180839

Ion	Ratio	Lower	Upper
276	100		
138	10.3	8.6	12.8
277	25.7	20.2	30.4

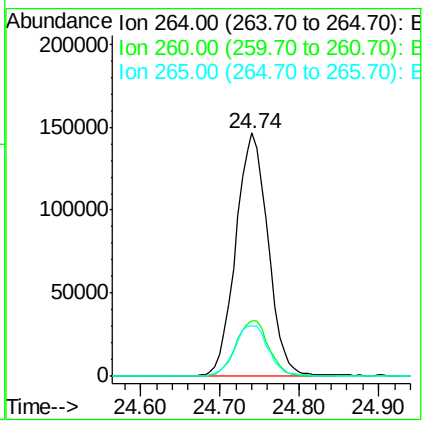




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.74 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:264 Resp: 414285

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	20.6	17.6	26.4



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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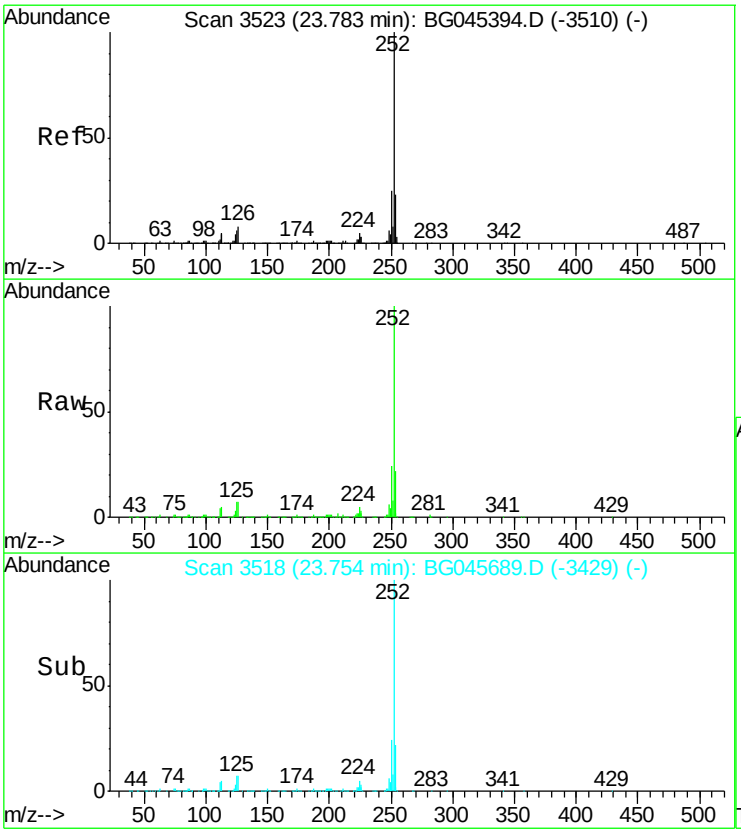
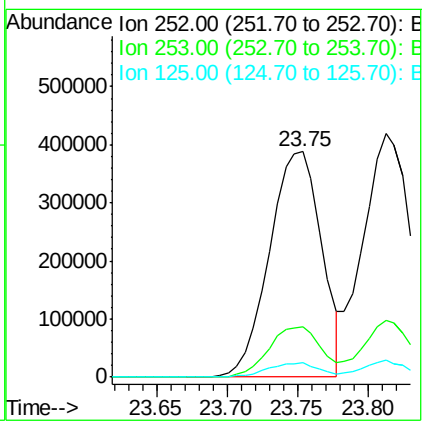
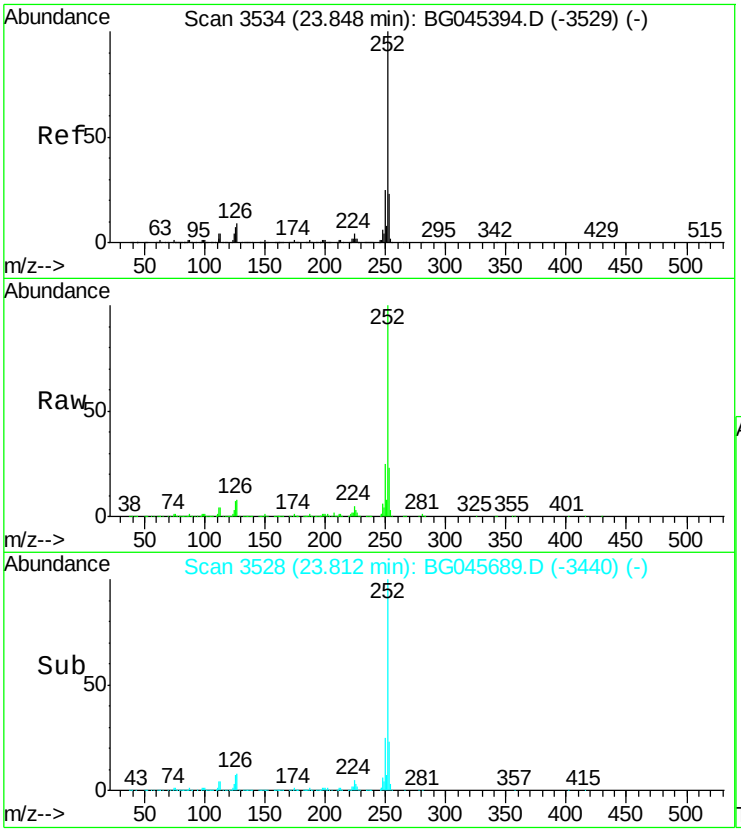


#88
Benzo(b)fluoranthene
Concen: 44.865 ng
RT: 23.75 min Scan# 3518
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:252 Resp: 996843

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	6.6	5.0	7.6

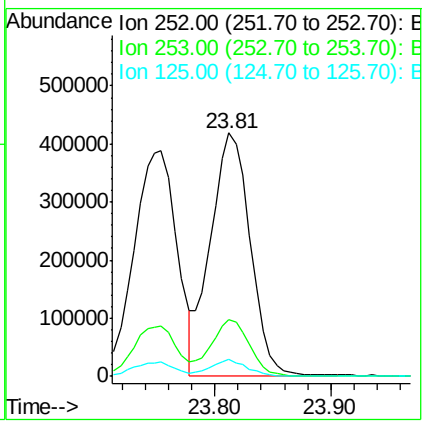




#89
Benzo(k)fluoranthene
Concen: 48.448 ng m
RT: 23.81 min Scan# 3528
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:252 Resp: 1011305

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	6.9	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
PB129414BS

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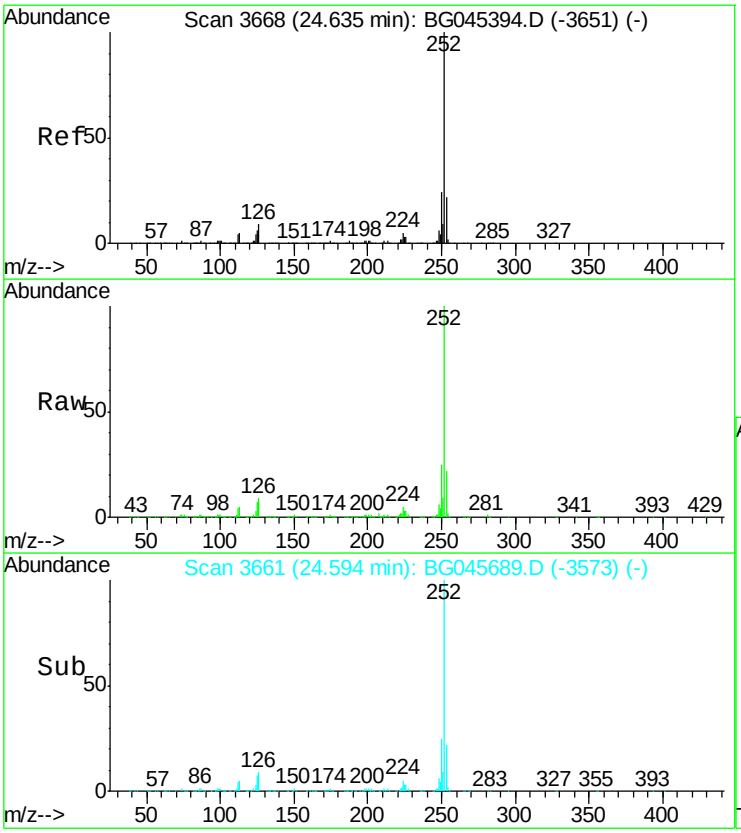
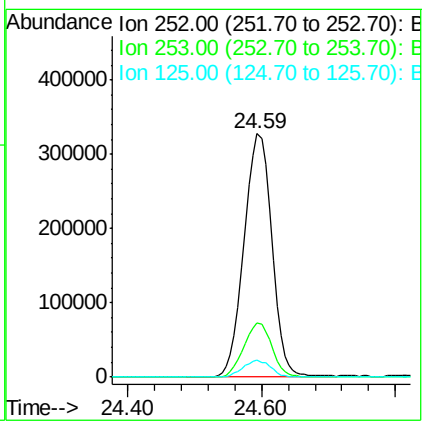
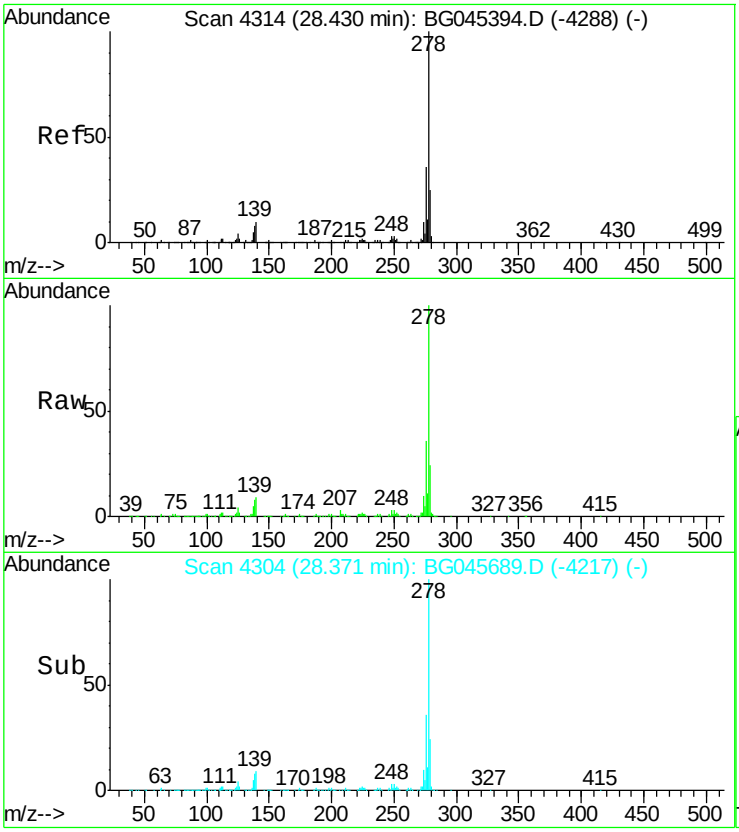


#90
Benzo(a)pyrene
Concen: 45.421 ng
RT: 24.59 min Scan# 3661
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:252 Resp: 939890

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	7.2	5.0	7.6

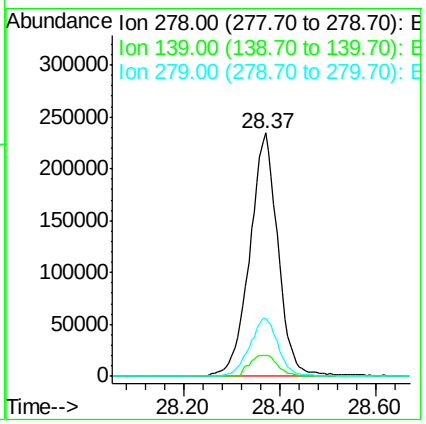




#91
Dibenzo(a,h)anthracene
Concen: 46.036 ng
RT: 28.37 min Scan# 4304
Delta R.T. -0.02 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:278 Resp: 957290

Ion	Ratio	Lower	Upper
278	100		
139	8.7	7.8	11.8
279	23.8	19.8	29.8



Instrument :
BNA_G
ClientSampleId :
PB129414BS

Manual Integrations APPROVED
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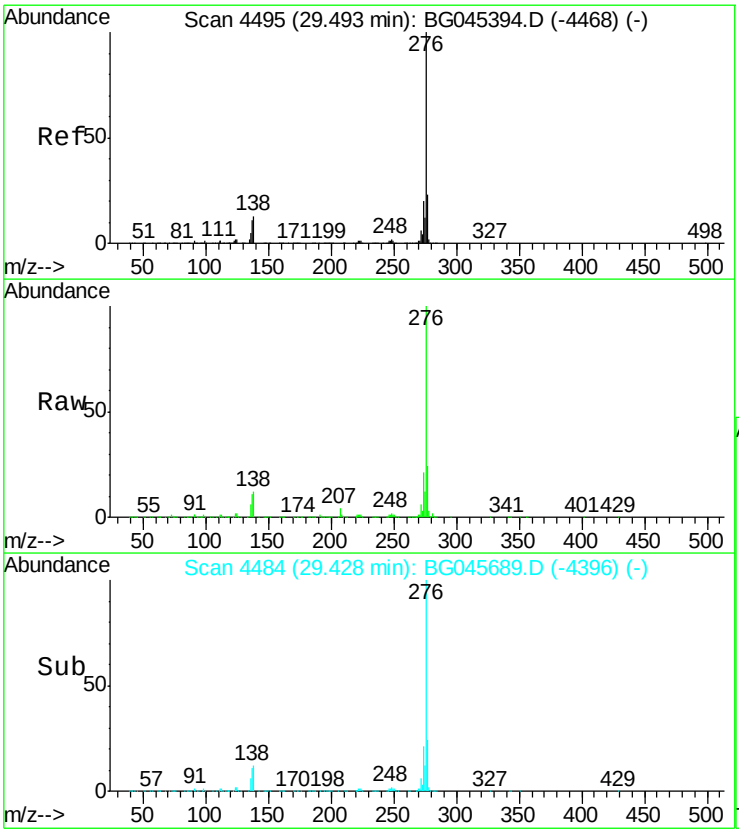
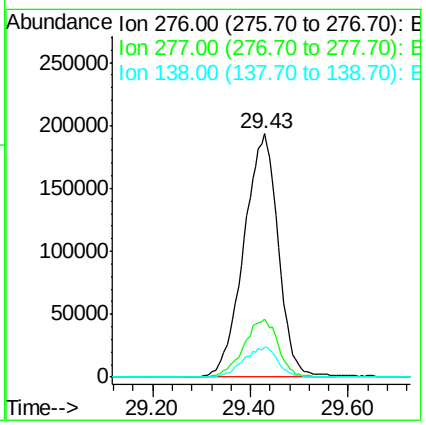


#92
Benzo(g,h,i)perylene
Concen: 45.526 ng
RT: 29.43 min Scan# 4484
Delta R.T. -0.01 min
Lab File: BG045689.D
Acq: 10 Jun 2020 13:13

Tgt Ion:276 Resp: 946796

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.1	27.1
138	12.3	10.2	15.4