Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
Data File : BG045815.D
Acq On : 19 Jun 2020 14:45
Operator : CG/JU
Sample : L3033-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KY032MW006-200616

Quant Time: Jun 19 17:29:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 18:34:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	68717	20.00	ng		0.00
21) Naphthalene-d8	10.74	136	210053	20.00	ng		0.01
39) Acenaphthene-d10	14.57	164	133381	20.00	ng		0.00
64) Phenanthrene-d10	17.32	188	290072	20.00	ng		0.00
76) Chrysene-d12	21.57	240	299760	20.00	ng		0.00
86) Perylene-d12	24.70	264	319039	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	202826	49.86	ng		0.02
7) Phenol-d6	7.18	99	189945	30.70	ng		0.01
23) Nitrobenzene-d5	9.10	82	435304	94.67	ng		0.01
42) 2,4,6-Tribromophenol	16.08	330	287435	142.74	ng		0.00
45) 2-Fluorobiphenyl	13.20	172	886833	97.71	ng		0.01
79) Terphenyl-d14	19.94	244	1341926	90.72	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	5884532	3158.396	ng	#	82
8) 2-Chlorophenol	7.52	128	11360	2.609	ng		95
9) Benzaldehyde	7.07	77	10910	2.936	ng	#	54
10) Phenol	7.21	94	960228	160.159	ng		96
11) bis(2-Chloroethyl)ether	7.36	93	1432938	314.662	ng		98
12) 1,3-Dichlorobenzene	7.81	146	65559	12.634	ng		98
13) 1,4-Dichlorobenzene	7.96	146	307285	59.287	ng		95
14) 1,2-Dichlorobenzene	8.29	146	1329626	267.965	ng		94
17) 2-Methylphenol	8.45	107	1221186	273.695	ng		96
20) 3+4-Methylphenols	8.84	107	7082559	1206.977	ng	#	72
27) 2,4-Dimethylphenol	10.03	122	3141992	1007.579	ng		95
31) Naphthalene	10.79	128	580867	50.581	ng		98
37) 2-Methylnaphthalene	12.40	142	60806	7.111	ng	#	89
38) 1-Methylnaphthalene	12.62	142	35402	4.375	ng	#	98
46) 1,1'-Biphenyl	13.43	154	80906	8.472	ng		83
50) Dimethylphthalate	14.03	163	107551	10.293	ng		97
60) Diethylphthalate	15.40	149	80185	7.507	ng		97

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

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KY032MW006-200616

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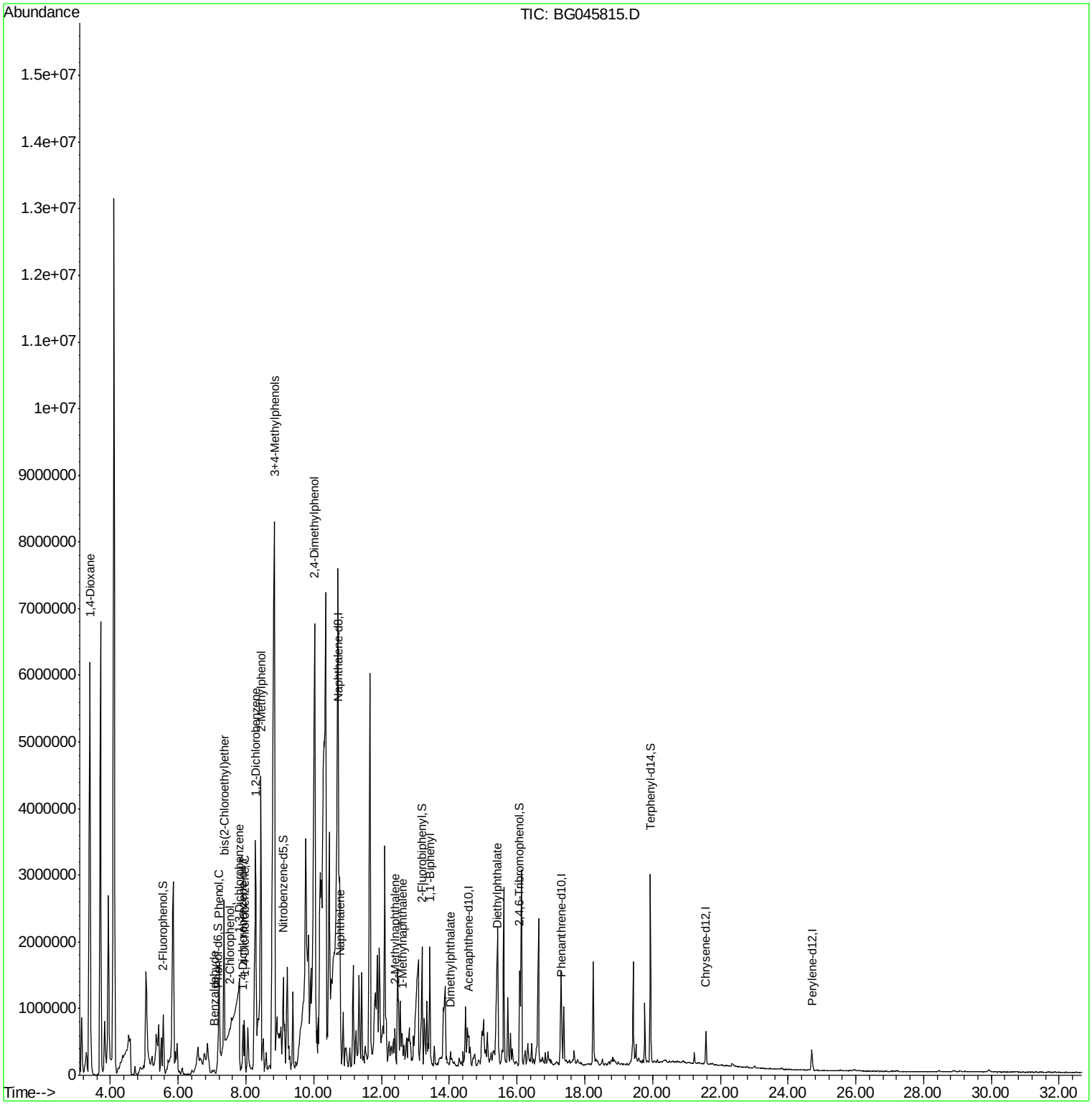
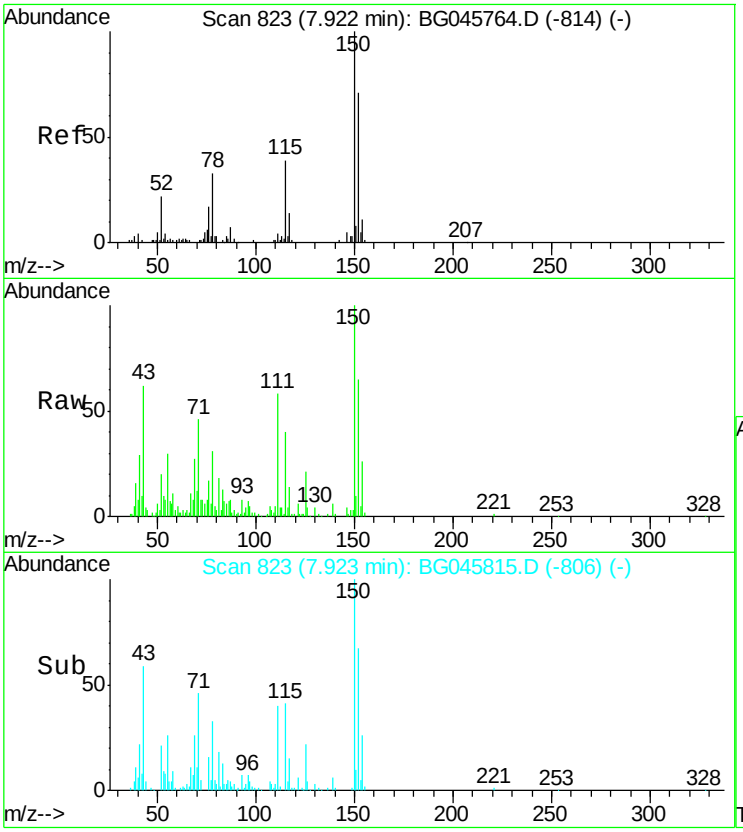


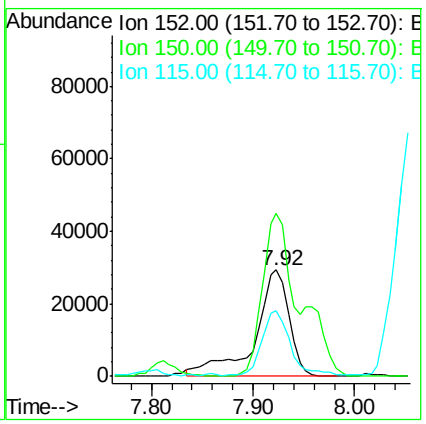


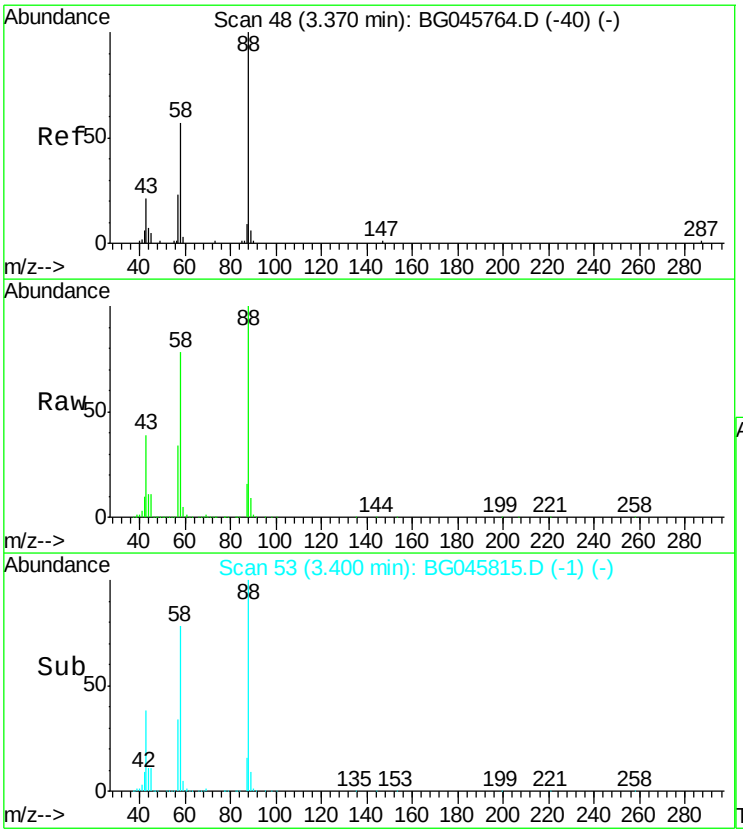
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:152 Resp: 68717

Ion	Ratio	Lower	Upper
152	100		
150	153.8	113.1	169.7
115	61.3	43.8	65.6

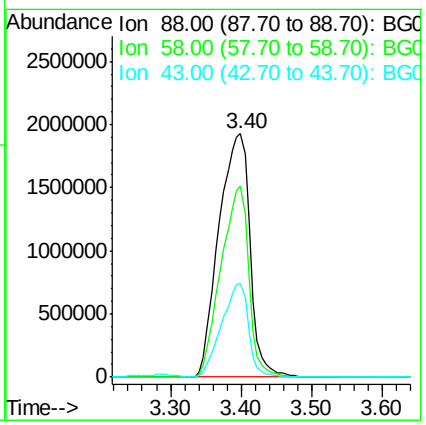


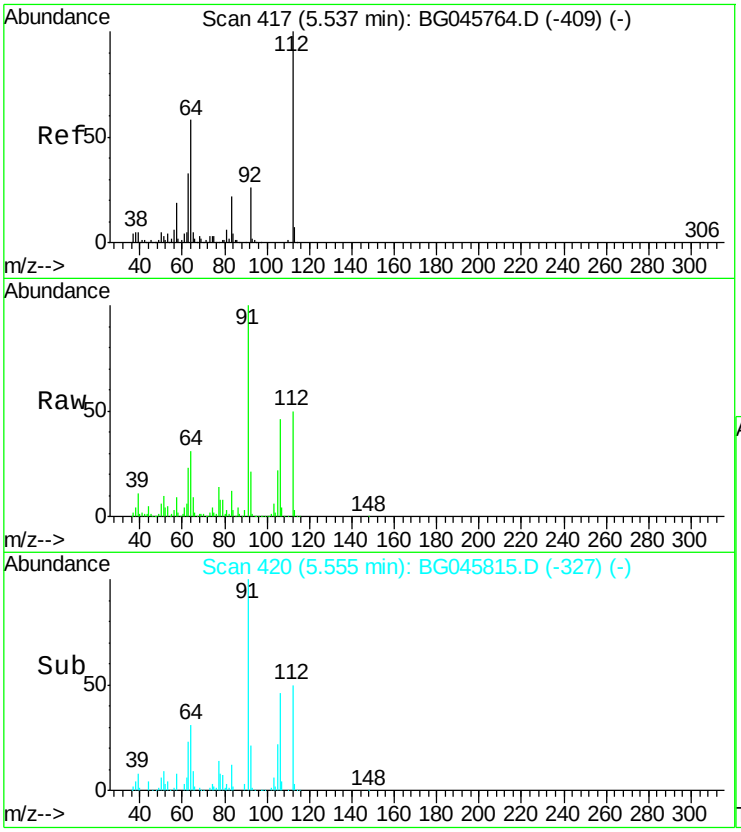


#2
1,4-Dioxane
Concen: 3158.396 ng
RT: 3.40 min Scan# 53
Delta R.T. 0.03 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion: 88 Resp: 5884532

Ion	Ratio	Lower	Upper
88	100		
58	70.3	46.1	69.1#
43	33.2	19.2	28.8#



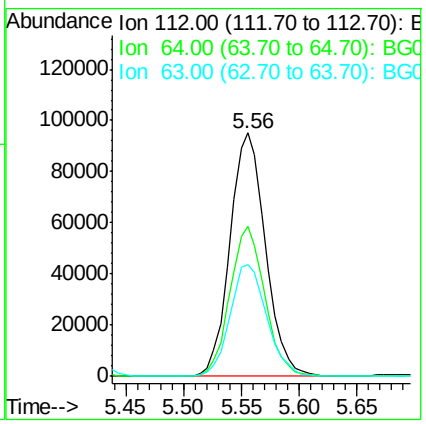


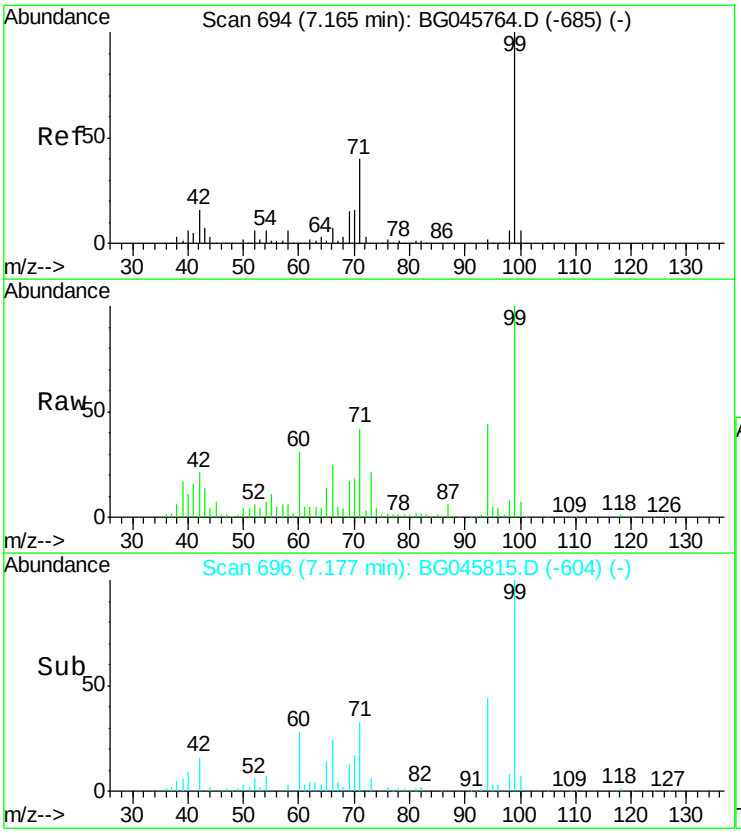
#5
2-Fluorophenol
Concen: 49.860 ng
RT: 5.56 min Scan# 420
Delta R.T. 0.02 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:112 Resp: 202826

Ion	Ratio	Lower	Upper
112	100		
64	61.5	46.6	69.8
63	45.8	26.3	39.5#

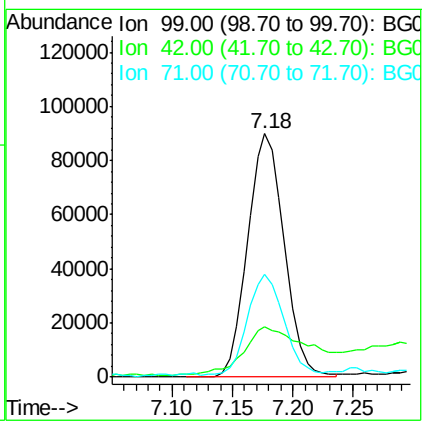


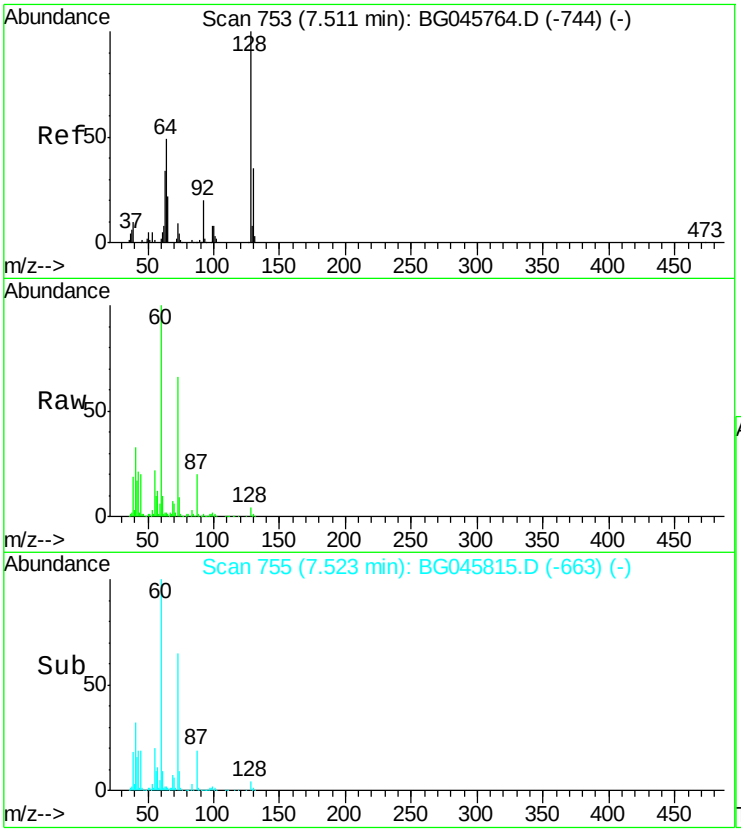


#7
Phenol-d6
Concen: 30.697 ng
RT: 7.18 min Scan# 696
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion: 99 Resp: 189945

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.4	18.6#
71	42.0	32.1	48.1



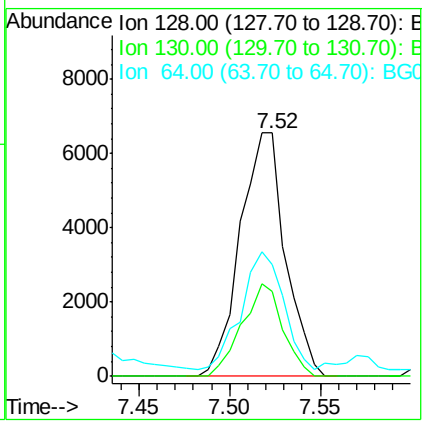


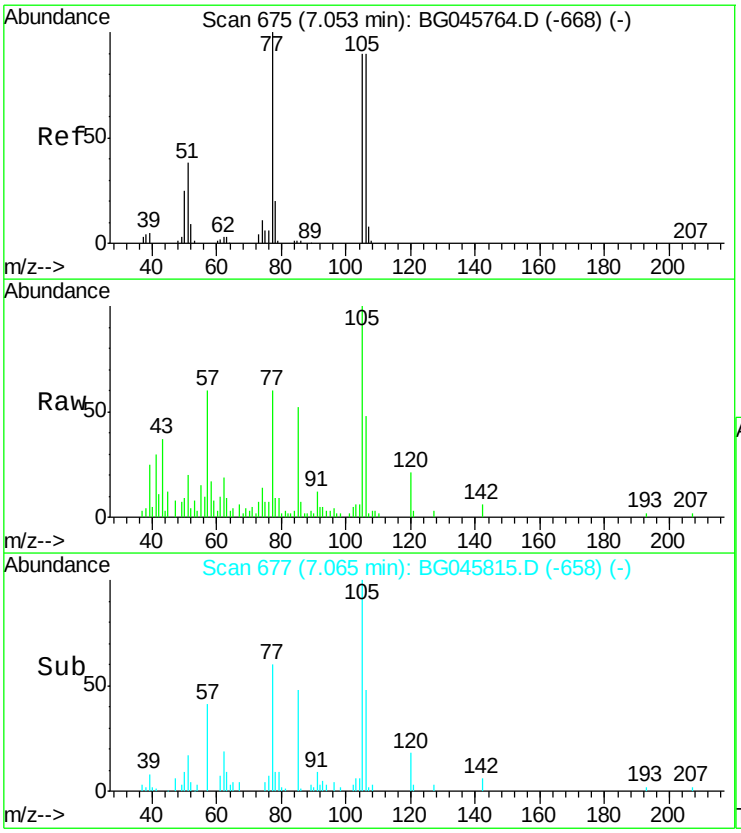
#8
2-Chlorophenol
Concen: 2.609 ng
RT: 7.52 min Scan# 755
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:128 Resp: 11360

Ion	Ratio	Lower	Upper
128	100		
130	34.9	14.5	54.5
64	46.2	31.6	71.6

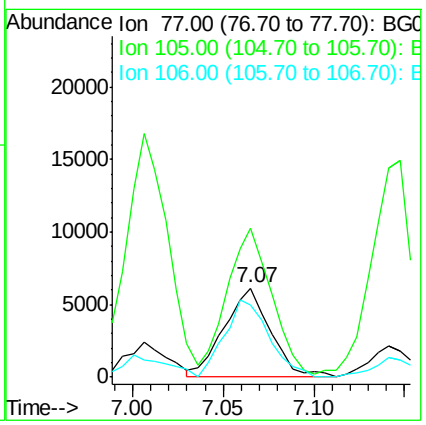


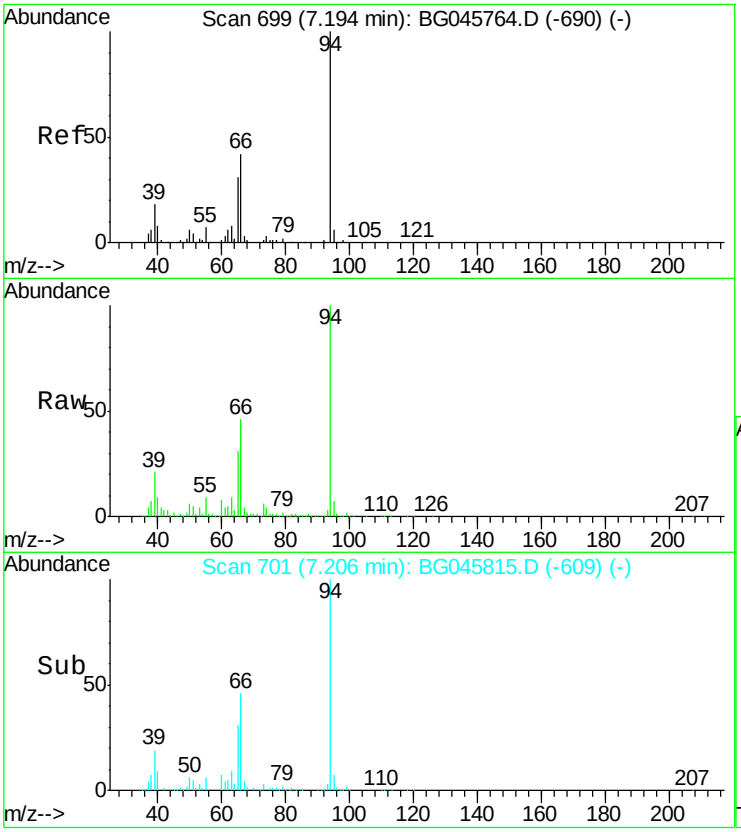


#9
Benzaldehyde
Concen: 2.936 ng
RT: 7.07 min Scan# 677
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion: 77 Resp: 10910

Ion	Ratio	Lower	Upper
77	100		
105	166.7	70.4	110.4#
106	80.3	70.2	110.2



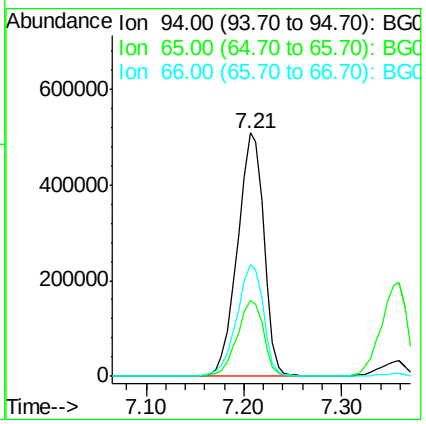


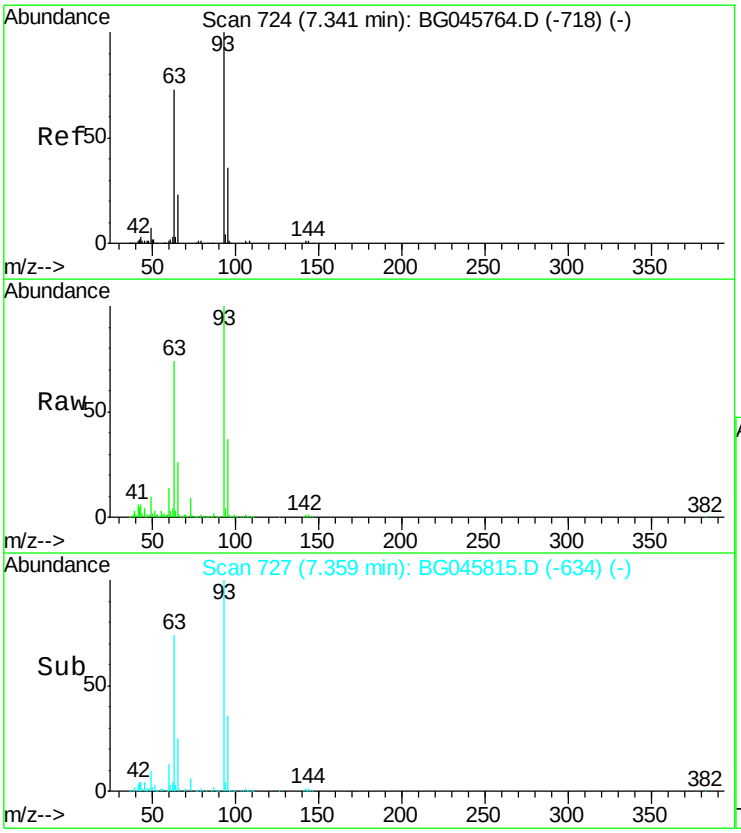
#10
Phenol
Concen: 160.159 ng
RT: 7.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion: 94 Resp: 960228

Ion	Ratio	Lower	Upper
94	100		
65	31.0	10.7	50.7
66	46.2	22.5	62.5

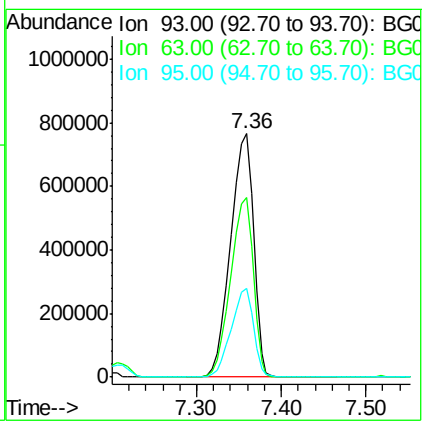


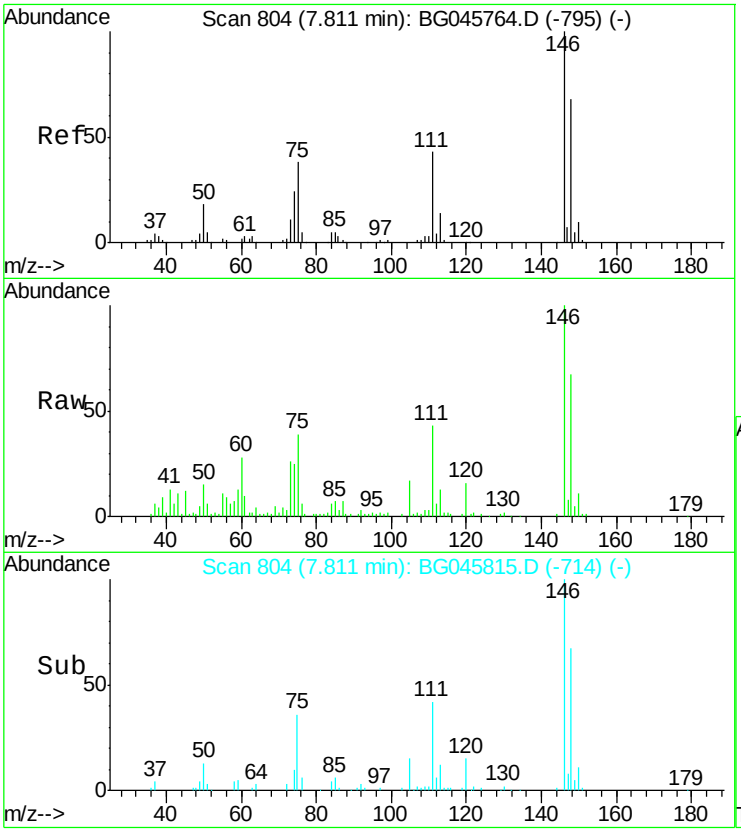


#11
bis(2-Chloroethyl)ether
Concen: 314.662 ng
RT: 7.36 min Scan# 727
Delta R.T. 0.02 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion: 93 Resp: 1432938

Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.0	92.0
95	36.6	15.6	55.6



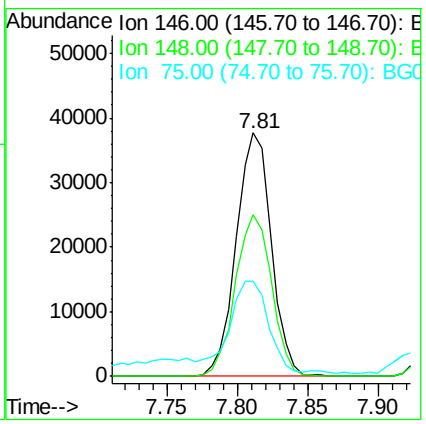


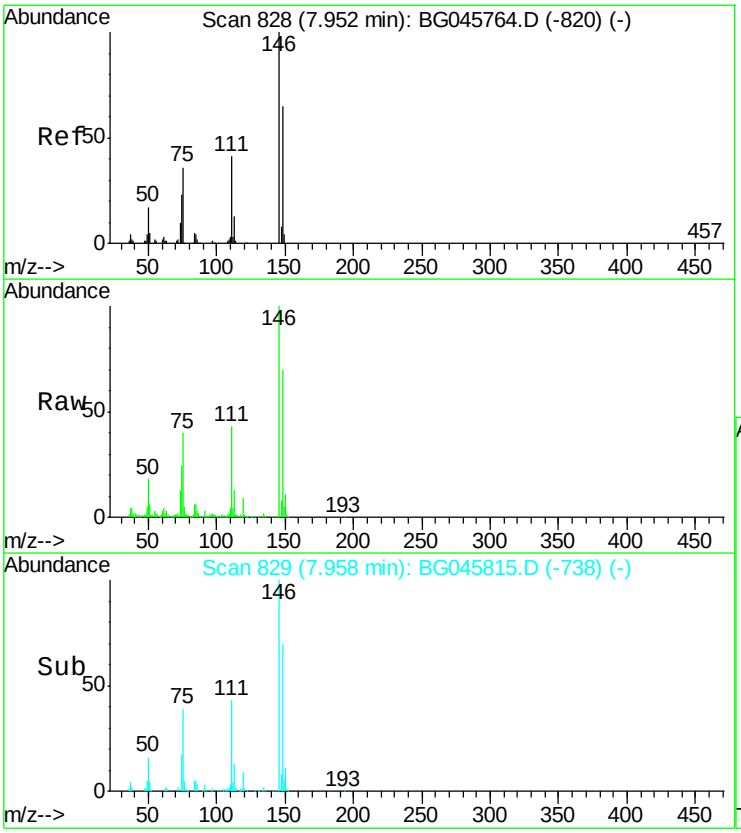
#12
1,3-Dichlorobenzene
Concen: 12.634 ng
RT: 7.81 min Scan# 804
Delta R.T. 0.00 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:146 Resp: 65559

Ion	Ratio	Lower	Upper
146	100		
148	66.5	54.2	81.4
75	39.2	30.1	45.1

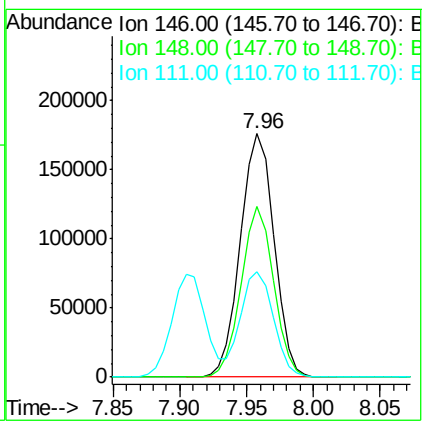


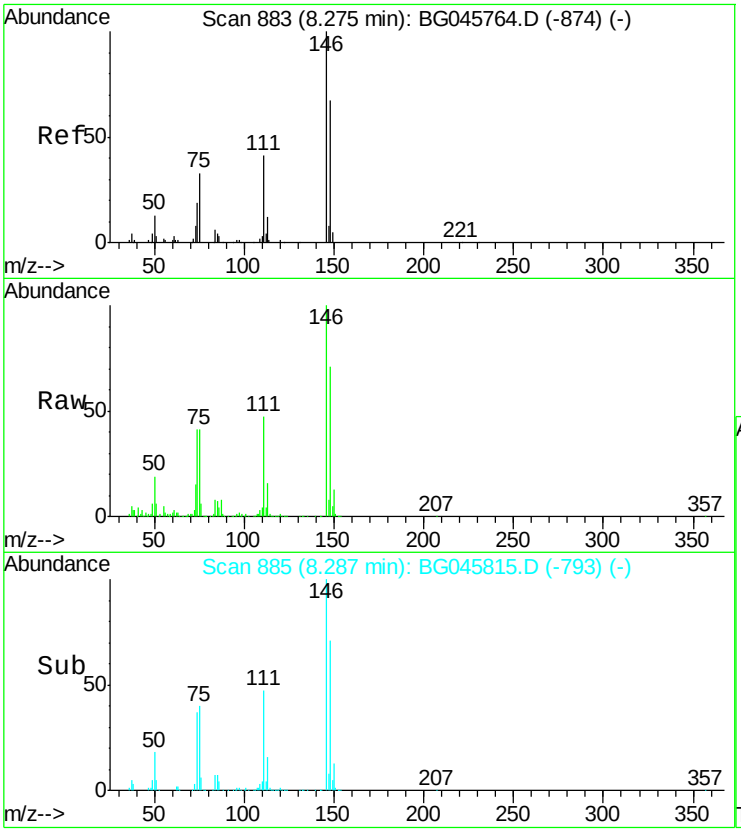


#13
1,4-Dichlorobenzene
Concen: 59.287 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:146 Resp: 307285

Ion	Ratio	Lower	Upper
146	100		
148	69.8	51.8	77.6
111	43.2	32.8	49.2



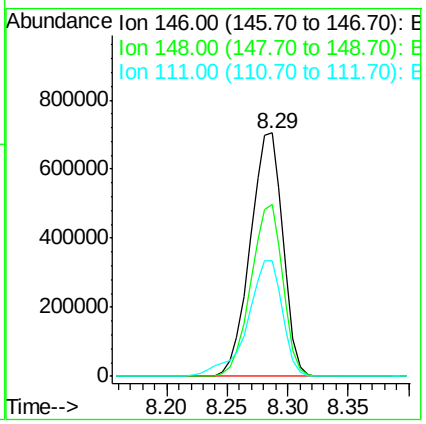


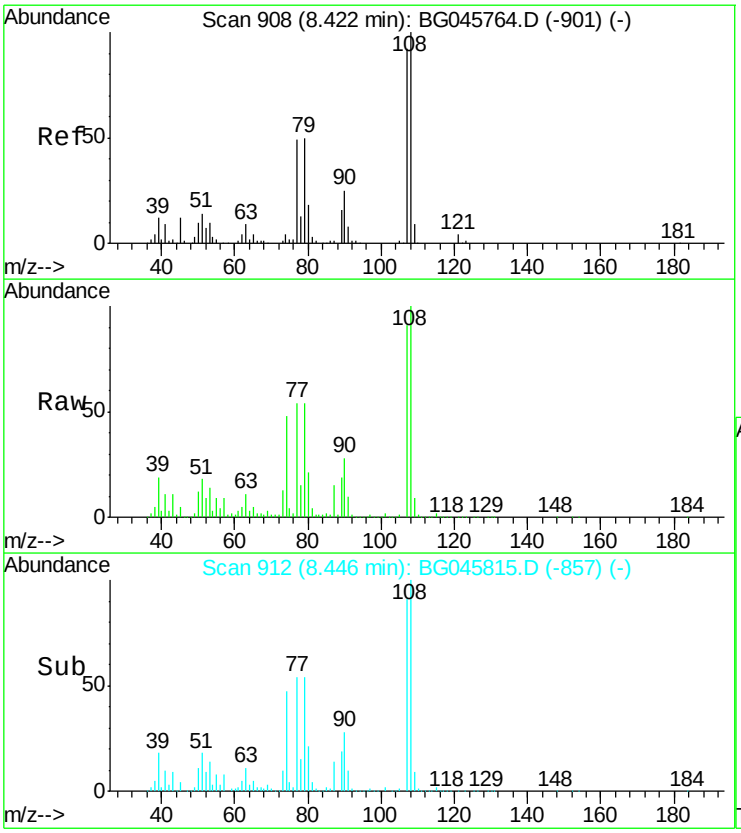
#14
1,2-Dichlorobenzene
Concen: 267.965 ng
RT: 8.29 min Scan# 885
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:146 Resp: 1329626

Ion	Ratio	Lower	Upper
146	100		
148	70.6	54.1	81.1
111	47.4	32.9	49.3

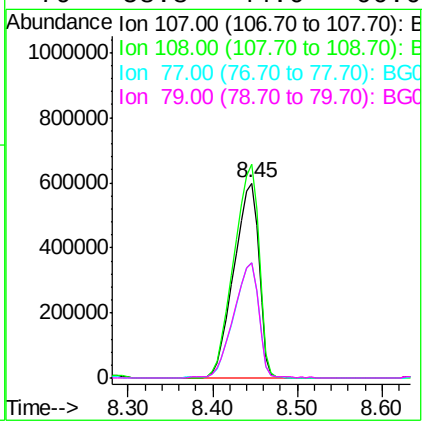


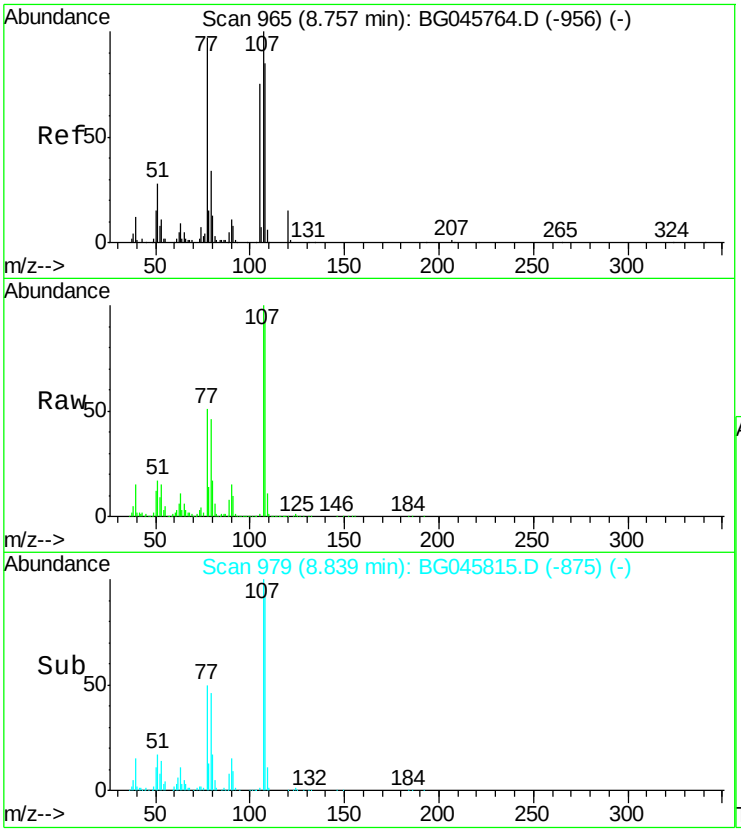


#17
2-Methylphenol
Concen: 273.695 ng
RT: 8.45 min Scan# 912
Delta R.T. 0.02 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:107 Resp: 1221186

Ion	Ratio	Lower	Upper
107	100		
108	109.6	87.4	131.0
77	59.0	42.5	63.7
79	58.8	44.0	66.0



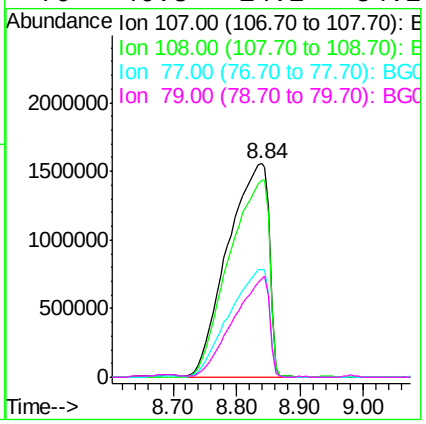


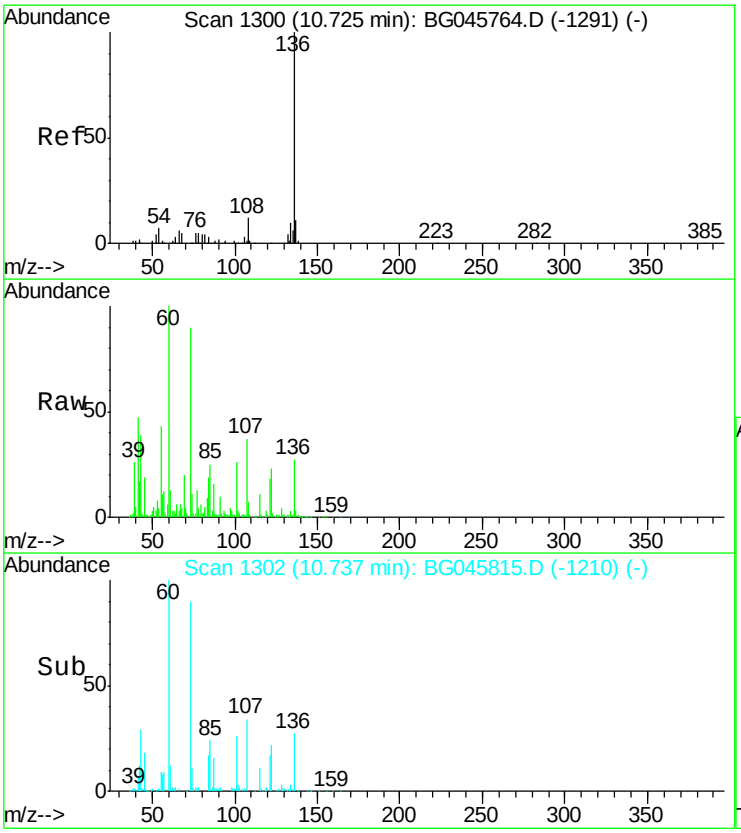
#20
3+4-Methylphenols
Concen: 1206.977 ng
RT: 8.84 min Scan# 979
Delta R.T. 0.08 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:107 Resp: 7082559

Ion	Ratio	Lower	Upper
107	100		
108	92.3	65.4	105.4
77	50.6	77.2	117.2#
79	46.3	14.2	54.2

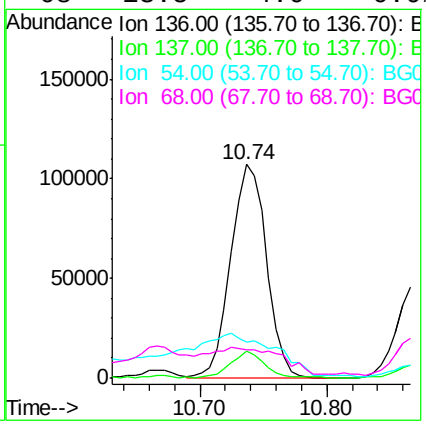


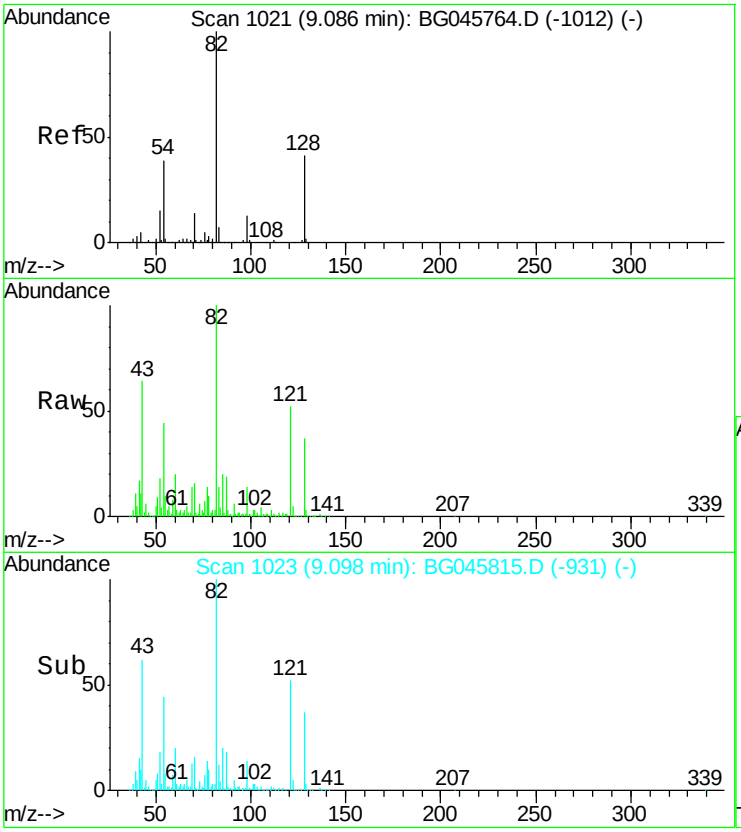


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:136 Resp: 210053

Ion	Ratio	Lower	Upper
136	100		
137	12.4	8.7	13.1
54	16.9	5.8	8.6#
68	13.5	4.0	6.0#



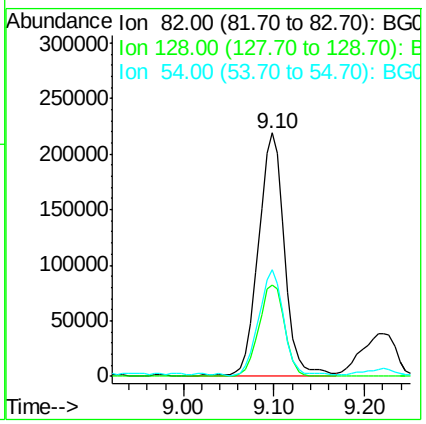


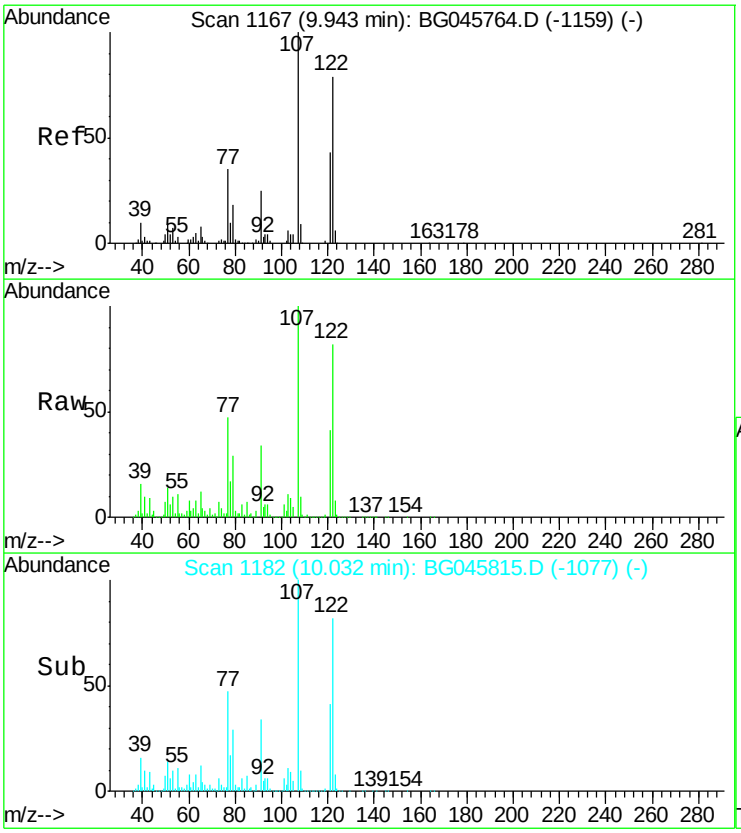
#23
Nitrobenzene-d5
Concen: 94.672 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion: 82 Resp: 435304

Ion	Ratio	Lower	Upper
82	100		
128	37.3	32.5	48.7
54	43.9	31.2	46.8

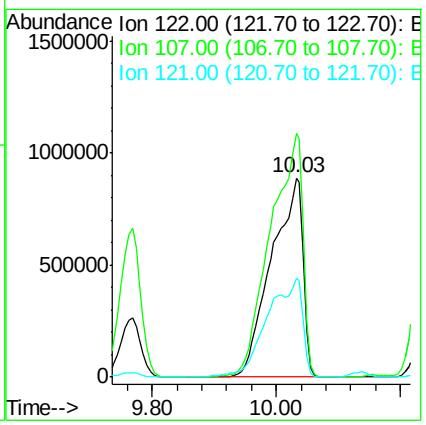


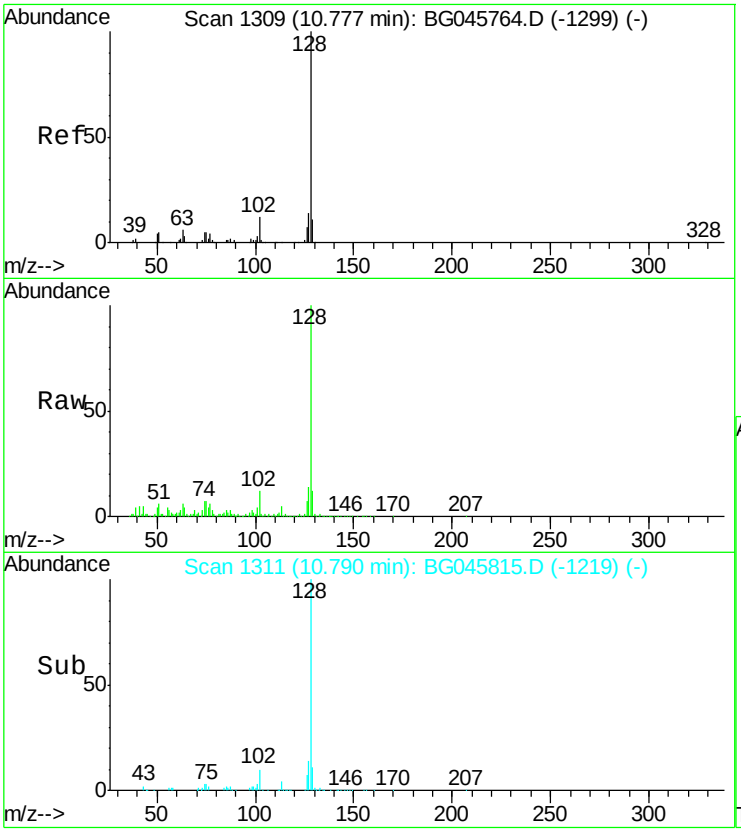


#27
2,4-Dimethylphenol
Concen: 1007.579 ng
RT: 10.03 min Scan# 1182
Delta R.T. 0.09 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:122 Resp: 3141992

Ion	Ratio	Lower	Upper
122	100		
107	122.3	101.3	151.9
121	49.6	43.9	65.9



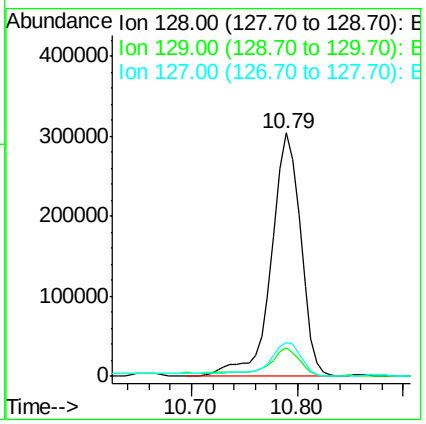


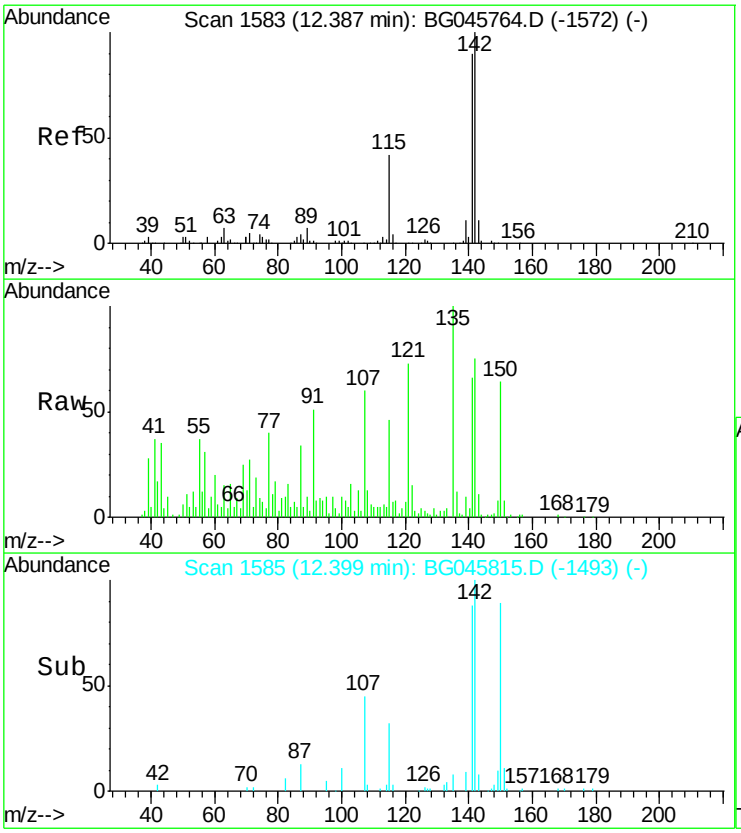
#31
Naphthalene
Concen: 50.581 ng
RT: 10.79 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:128 Resp: 580867

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	14.0	10.9	16.3

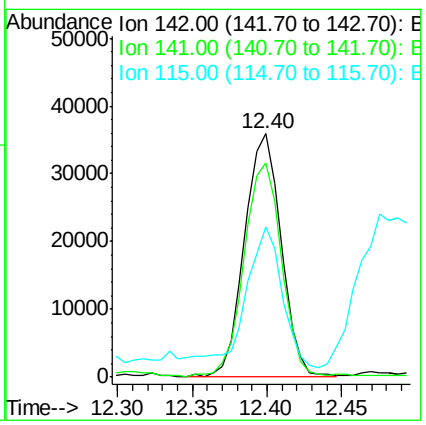


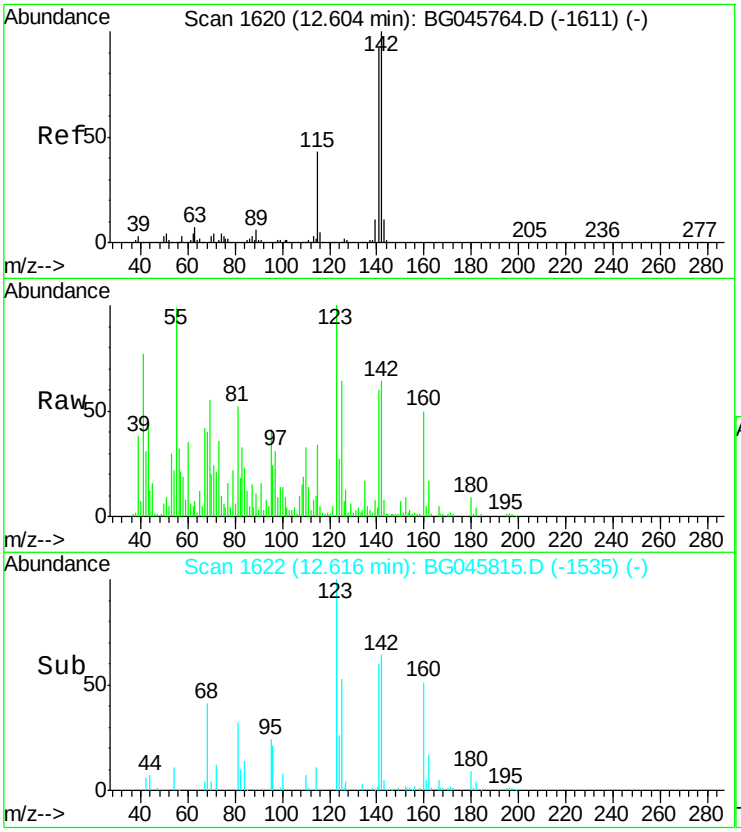


#37
2-Methylnaphthalene
Concen: 7.111 ng
RT: 12.40 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:142 Resp: 60806

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.7	107.5
115	61.9	33.8	50.6#



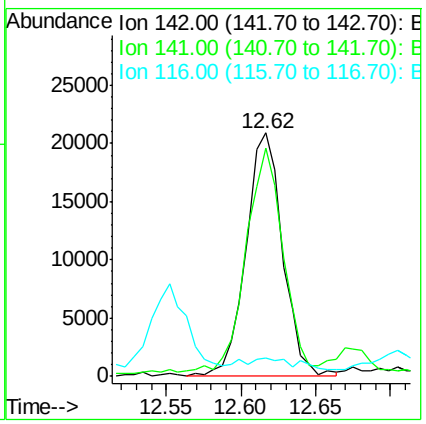


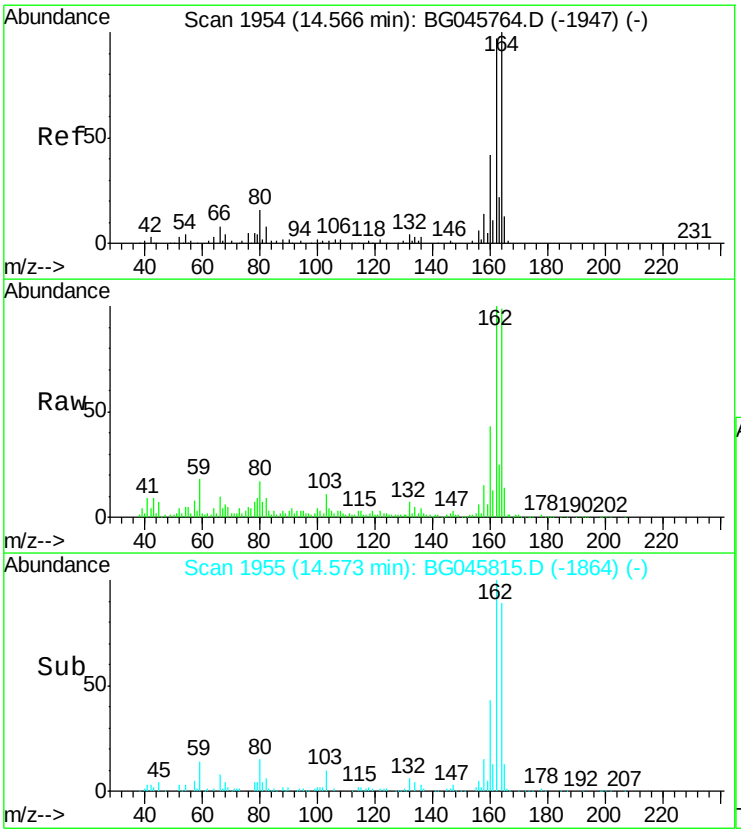
#38
1-Methylnaphthalene
Concen: 4.375 ng
RT: 12.62 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:142 Resp: 35402

Ion	Ratio	Lower	Upper
142	100		
141	93.6	73.8	110.8
116	7.3	3.8	5.8#

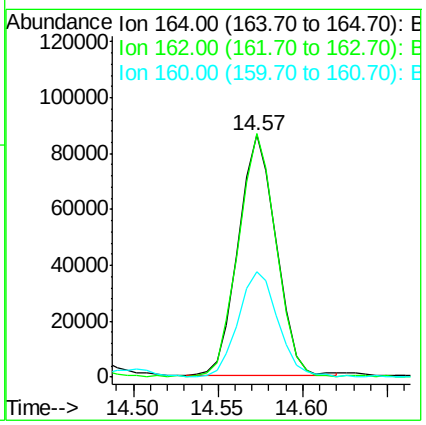


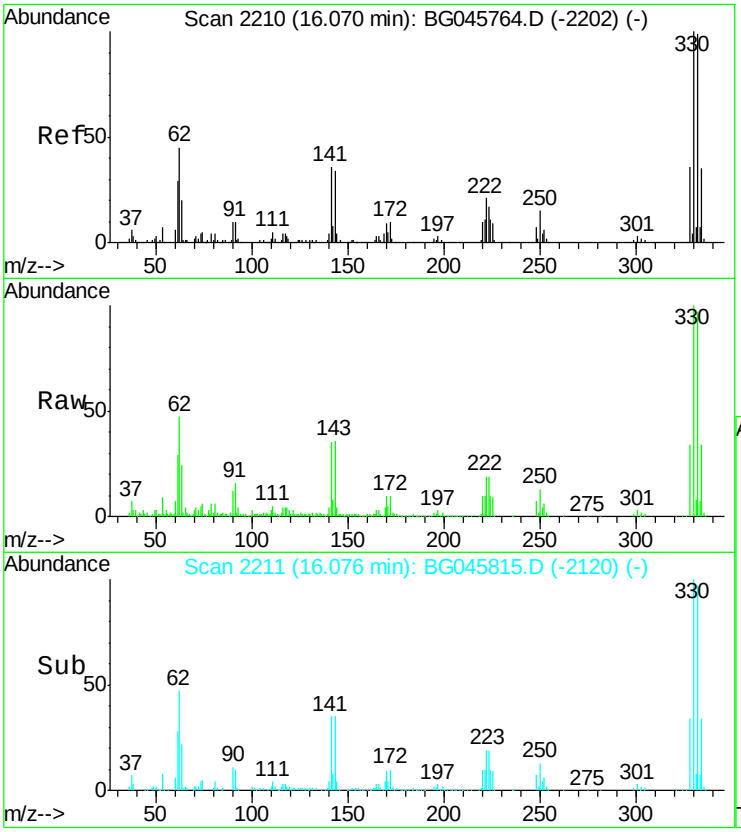


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1955
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:164 Resp: 133381

Ion	Ratio	Lower	Upper
164	100		
162	100.7	77.4	116.0
160	43.6	33.3	49.9



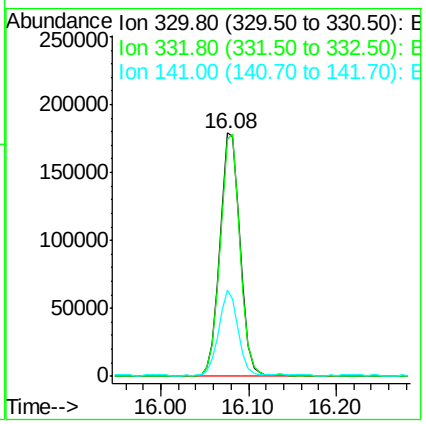


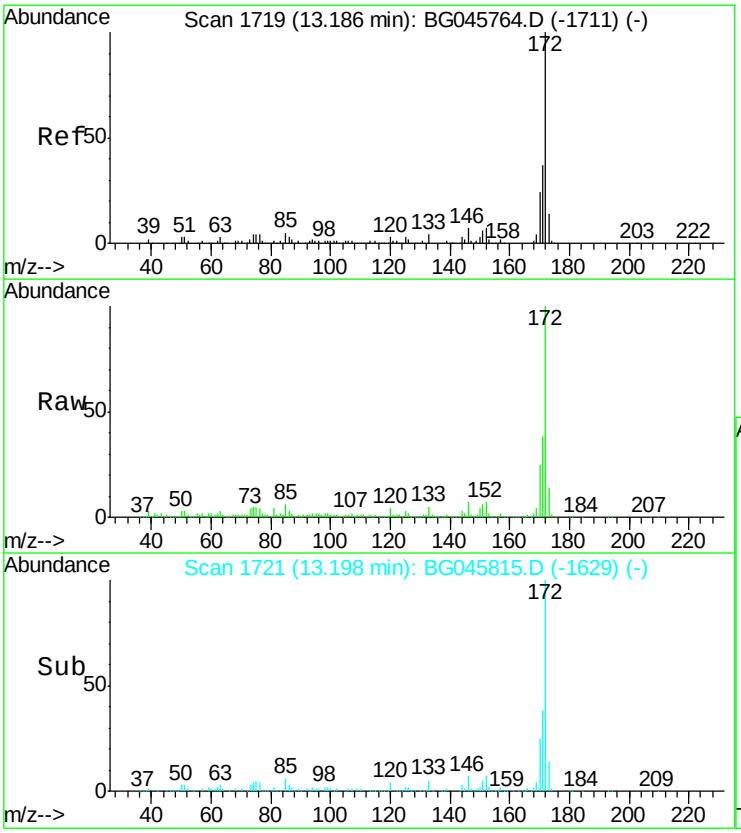
#42
2,4,6-Tribromophenol
Concen: 142.739 ng
RT: 16.08 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:330 Resp: 287435

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.6	117.8
141	33.6	28.2	42.4

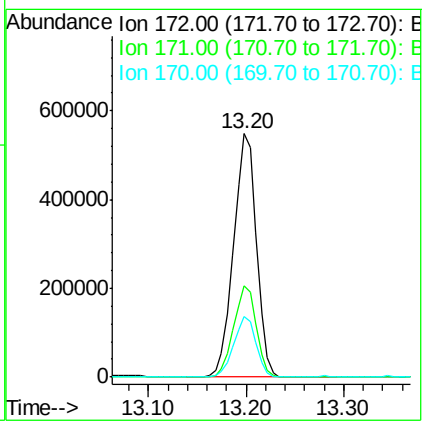


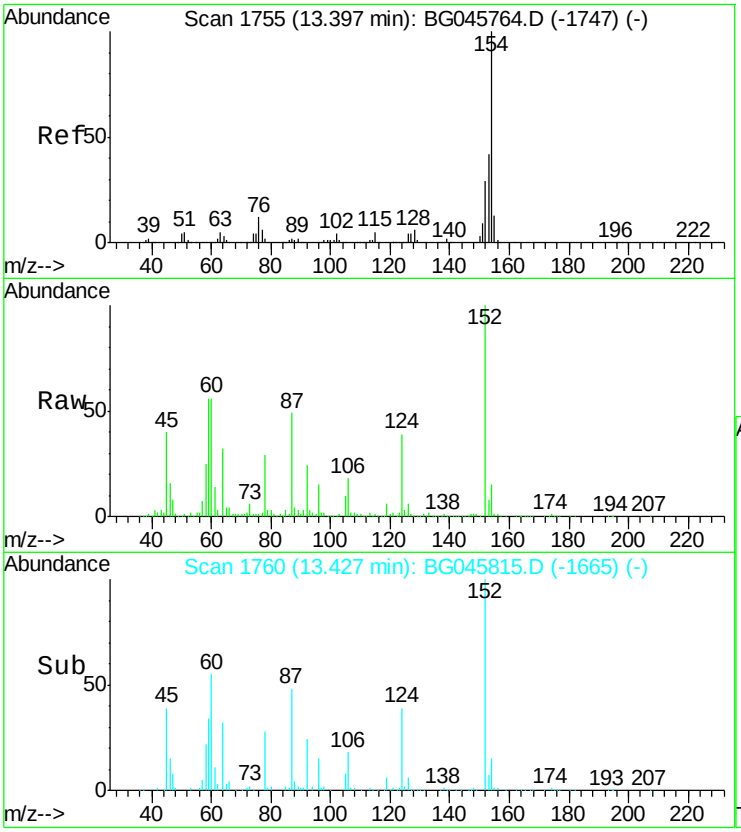


#45
2-Fluorobiphenyl
Concen: 97.709 ng
RT: 13.20 min Scan# 1721
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:172 Resp: 886833

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.9	44.9
170	24.7	19.3	28.9



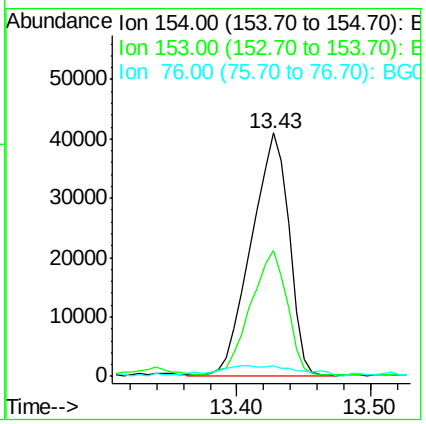


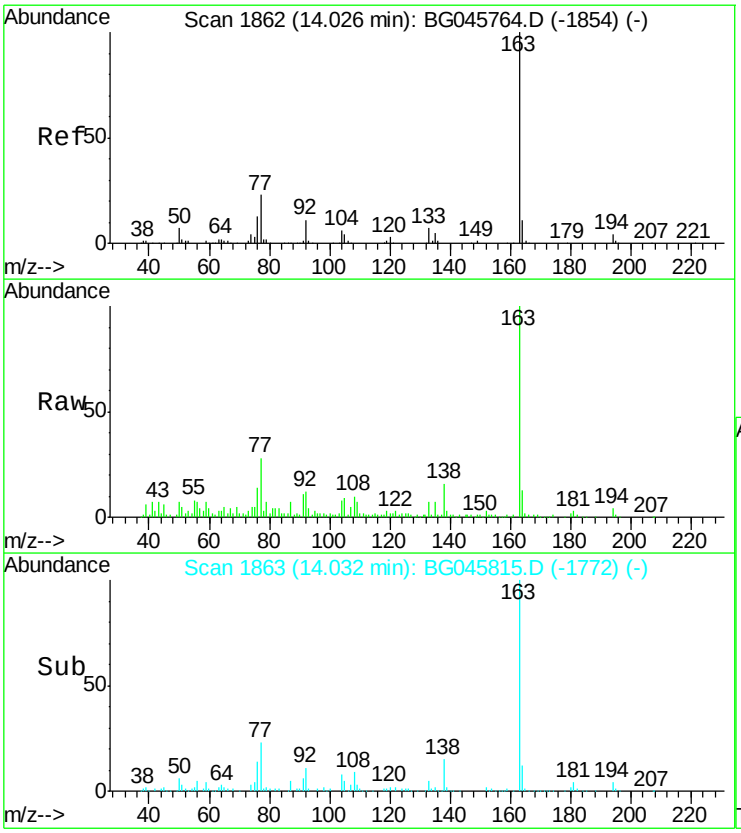
#46
1,1'-Biphenyl
Concen: 8.472 ng
RT: 13.43 min Scan# 1760
Delta R.T. 0.03 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:154 Resp: 80906

Ion	Ratio	Lower	Upper
154	100		
153	51.6	21.7	61.7
76	4.3	0.0	32.0

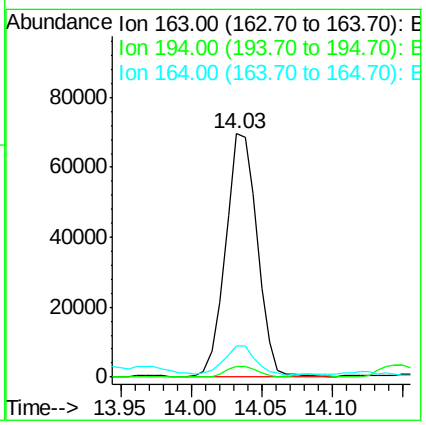


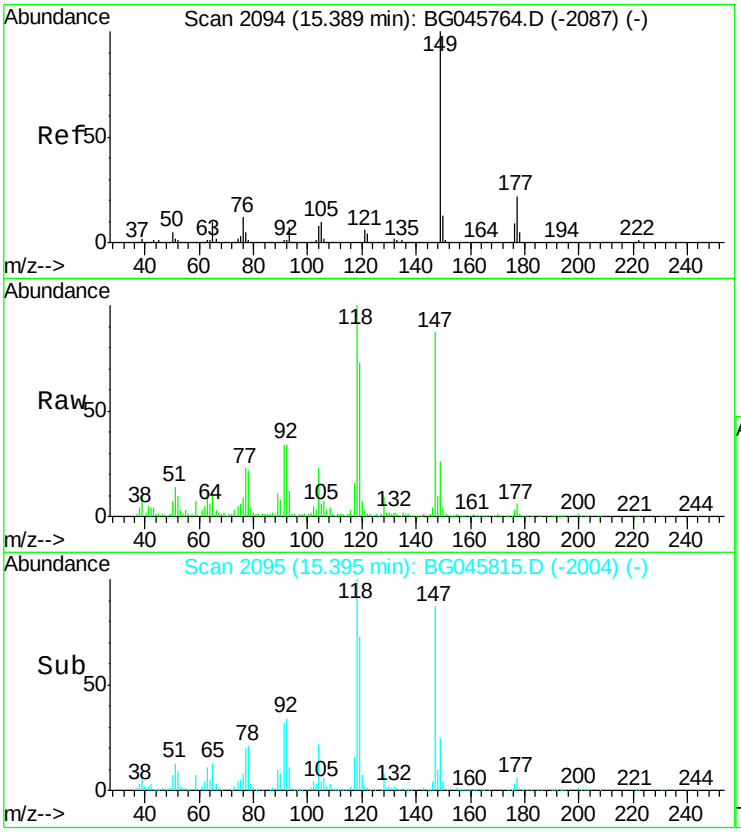


#50
Dimethylphthalate
Concen: 10.293 ng
RT: 14.03 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:163 Resp: 107551

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	12.7	8.9	13.3



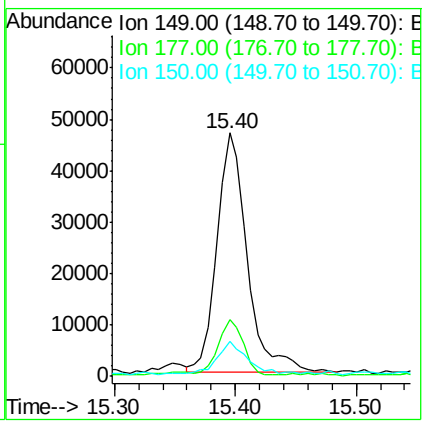


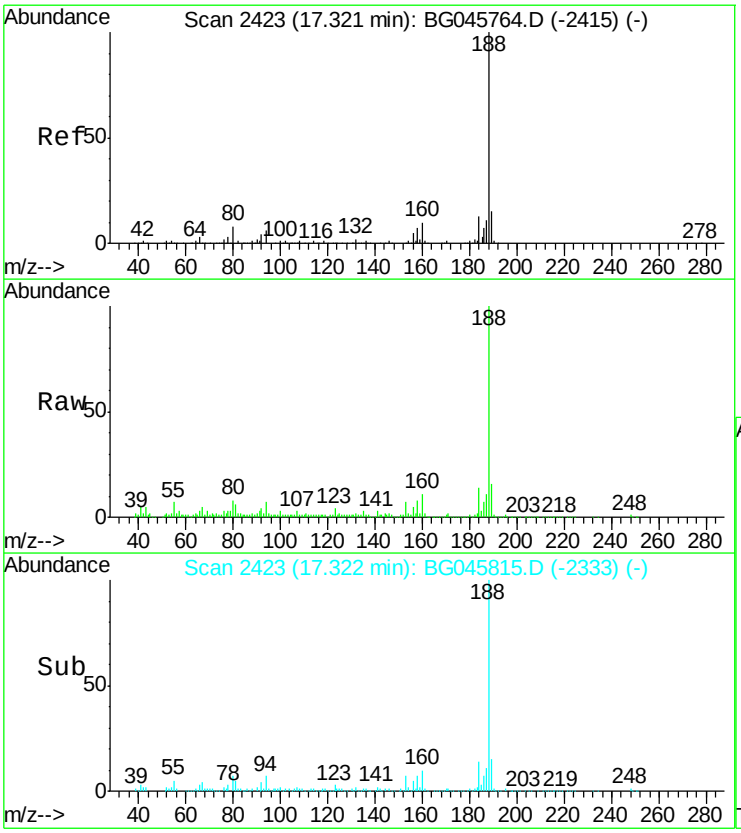
#60
Diethylphthalate
Concen: 7.507 ng
RT: 15.40 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:149 Resp: 80185

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.2	25.8
150	14.4	10.7	16.1

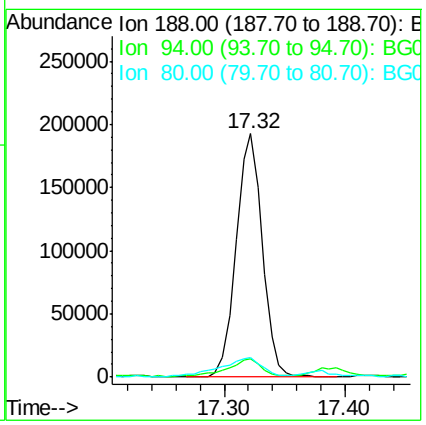


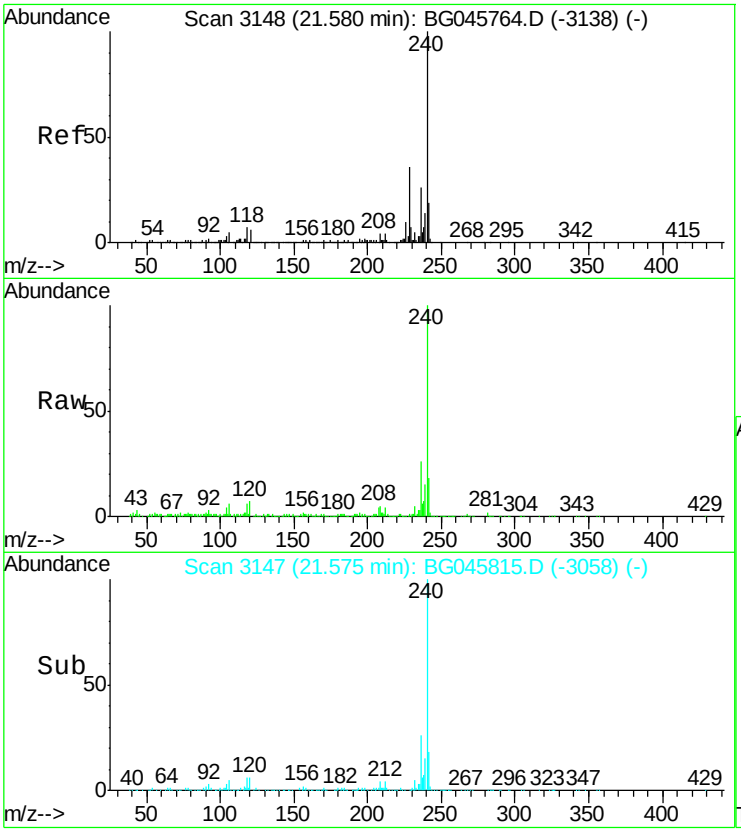


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2423
Delta R.T. 0.00 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:188 Resp: 290072

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.1	7.7
80	7.8	6.2	9.4



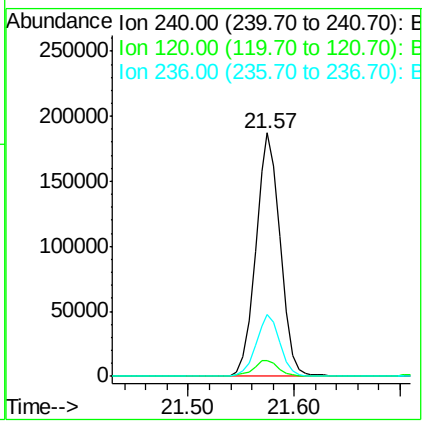


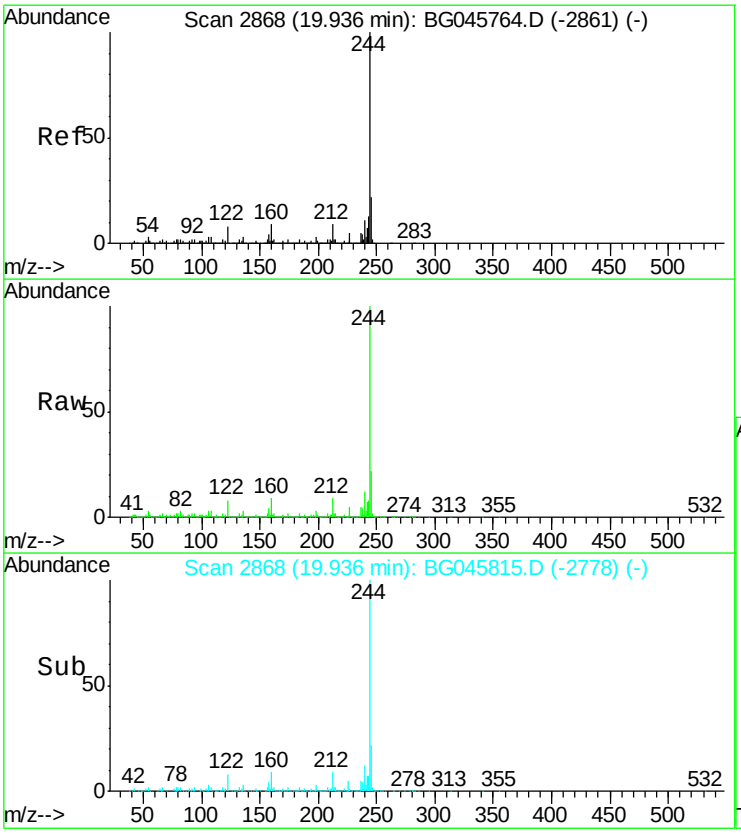
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:240 Resp: 299760

Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.0	7.4
236	25.6	20.6	30.8

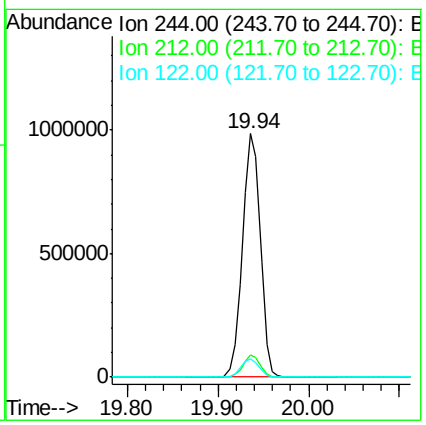


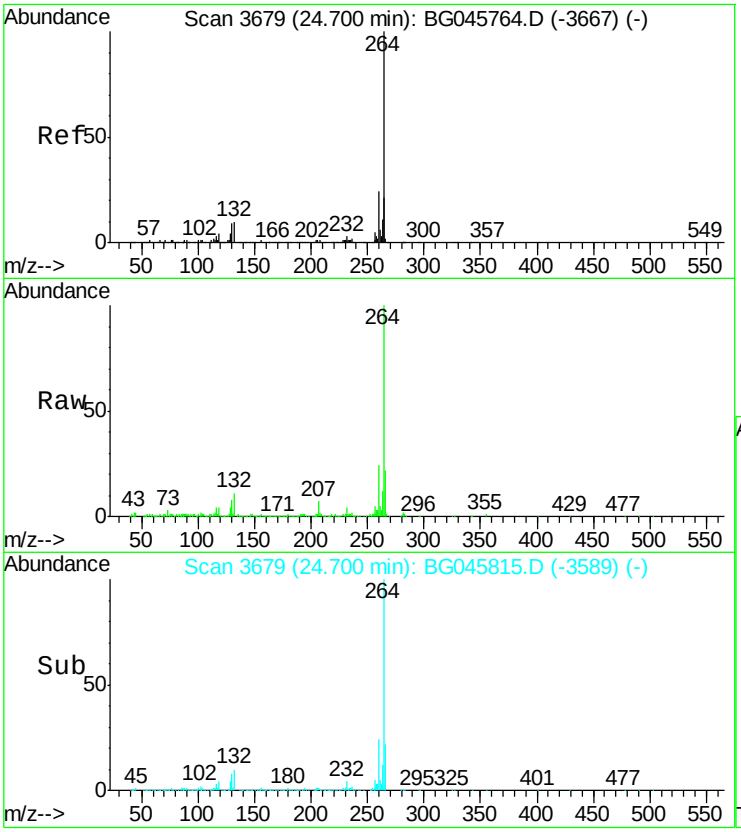


#79
Terphenyl-d14
Concen: 90.724 ng
RT: 19.94 min Scan# 2868
Delta R.T. 0.00 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Tgt Ion:244 Resp: 1341926

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.2	10.8
122	7.8	6.4	9.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BG045815.D
Acq: 19 Jun 2020 14:45

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616

Tgt Ion:264 Resp: 319039

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.5	17.4	26.0