Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034497.D
Acq On : 16 May 2018 20:38
Operator : SJ/JU
Sample : PB108852BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB108852BS

Manual Integrations APPROVED
Sohil
5/17/2018 5:04:28 PM

Quant Time: May 17 03:28:28 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 16 22:24:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	36997	20.00	ng		0.00
21) Naphthalene-d8	10.86	136	169010	20.00	ng		0.00
38) Acenaphthene-d10	14.69	164	134807	20.00	ng		0.00
63) Phenanthrene-d10	17.45	188	355629	20.00	ng		0.00
75) Chrysene-d12	21.74	240	379011	20.00	ng		0.00
86) Perylene-d12	25.02	264	390484	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	367197	152.87	ng		0.00
7) Phenol-d6	7.21	99	540279	139.04	ng		0.00
23) Nitrobenzene-d5	9.21	82	389233	87.98	ng		0.00
41) 2,4,6-Tribromophenol	16.19	330	305510	131.59	ng		0.00
44) 2-Fluorobiphenyl	13.31	172	785014	79.06	ng		0.00
78) Terphenyl-d14	20.06	244	1639074	94.84	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.53	88	28804	29.195	ng	#	78
3) Pyridine	3.92	79	93501	29.385	ng	#	83
4) n-Nitrosodimethylamine	3.84	42	74808	40.197	ng	#	69
6) Aniline	7.37	93	143152	28.221	ng	#	95
8) 2-Chlorophenol	7.61	128	113370	44.630	ng		94
9) Benzaldehyde	7.18	77	63124	23.511	ng		91
10) Phenol	7.24	94	171542	44.266	ng	#	67
11) bis(2-Chloroethyl)ether	7.46	93	120763	41.250	ng		92
12) 1,3-Dichlorobenzene	7.94	146	117024	39.147	ng	#	89
13) 1,4-Dichlorobenzene	8.08	146	118176	38.824	ng		95
14) 1,2-Dichlorobenzene	8.40	146	118745	39.745	ng		94
15) Benzyl Alcohol	8.28	79	173395	43.606	ng	#	85
16) 2,2'-oxybis(1-Chloropropan	8.58	45	132860	39.986	ng		78
17) 2-Methylphenol	8.49	107	111139	42.691	ng	#	67
18) Hexachloroethane	9.13	117	50265	39.252	ng	#	81
19) n-Nitroso-di-n-propylamine	8.85	70	125821	39.534	ng		92
20) 3+4-Methylphenols	8.82	107	153385	42.260	ng	#	72
22) Acetophenone	8.87	105	223119	41.323	ng	#	92
24) Nitrobenzene	9.25	77	189293	41.222	ng	#	89
25) Isophorone	9.78	82	330378	38.524	ng	#	91
26) 2-Nitrophenol	9.97	139	65868	40.169	ng	#	56
27) 2,4-Dimethylphenol	10.03	122	125208	43.670	ng		95
28) bis(2-Chloroethoxy)methane	10.26	93	174828	40.504	ng		99
29) 2,4-Dichlorophenol	10.51	162	137734	46.066	ng		96
30) 1,2,4-Trichlorobenzene	10.72	180	137504	38.678	ng		94
31) Naphthalene	10.91	128	348660	39.677	ng		98
32) Benzoic acid	10.16	122	84973	41.850	ng		98
33) 4-Chloroaniline	11.02	127	54724	14.280	ng	#	79
34) Hexachlorobutadiene	11.19	225	109770	38.865	ng		97
35) Caprolactam	11.79	113	49013m	43.120	ng		
36) 4-Chloro-3-methylphenol	12.14	107	177255	43.998	ng		91
37) 2-Methylnaphthalene	12.52	142	273939	38.602	ng	#	89
39) 1,2,4,5-Tetrachlorobenzene	12.88	216	189684	37.441	ng	#	97
40) Hexachlorocyclopentadiene	12.87	237	288959	72.837	ng		87

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Manual Integrations APPROVED
Sohil
5/17/2018 5:04:28 PM

Quant Time: May 17 03:28:28 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 16 22:24:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.13	196	127489	40.449	ng		94
43) 2,4,5-Trichlorophenol	13.20	196	141508	40.918	ng	#	88
45) 1,1'-Biphenyl	13.52	154	402167	37.879	ng		98
46) 2-Chloronaphthalene	13.57	162	318914	38.160	ng		95
47) 2-Nitroaniline	13.77	65	140554	41.166	ng	#	84
48) Acenaphthylene	14.42	152	470821	36.812	ng		96
49) Dimethylphthalate	14.15	163	455164	39.117	ng		99
50) 2,6-Dinitrotoluene	14.26	165	94756	39.710	ng	#	64
51) Acenaphthene	14.76	154	315124	38.005	ng		94
52) 3-Nitroaniline	14.60	138	52170	23.655	ng	#	77
53) 2,4-Dinitrophenol	14.81	184	134895	85.927	ng	#	74
54) Dibenzofuran	15.09	168	506604	37.247	ng	#	86
55) 4-Nitrophenol	14.92	139	165604	85.448	ng	#	47
56) 2,4-Dinitrotoluene	15.06	165	147982	41.778	ng		90
57) Fluorene	15.75	166	417401	39.321	ng		98
58) 2,3,4,6-Tetrachlorophenol	15.32	232	153126	40.589	ng		99
59) Diethylphthalate	15.51	149	492027	40.659	ng		100
60) 4-Chlorophenyl-phenylether	15.73	204	238514	37.837	ng		90
61) 4-Nitroaniline	15.76	138	99263	39.702	ng	#	39
62) Azobenzene	16.03	77	512314	39.880	ng		92
64) 4,6-Dinitro-2-methylphenol	15.82	198	91091	39.944	ng		95
65) n-Nitrosodiphenylamine	15.95	169	394567	37.941	ng		98
66) 4-Bromophenyl-phenylether	16.63	248	184843	39.495	ng	#	88
67) Hexachlorobenzene	16.75	284	202785	39.210	ng		96
68) Atrazine	16.90	200	197086	42.762	ng		94
69) Pentachlorophenol	17.10	266	268905	86.218	ng		95
70) Phenanthrene	17.49	178	756636	39.063	ng		99
71) Anthracene	17.58	178	781469	39.816	ng		99
72) Carbazole	17.85	167	665451	40.969	ng	#	97
73) Di-n-butylphthalate	18.41	149	840928	41.816	ng	#	97
74) Fluoranthene	19.50	202	975100	40.962	ng		97
76) Benzidine	19.68	184	352374	34.787	ng		97
77) Pyrene	19.86	202	978018	41.224	ng		97
79) Butylbenzylphthalate	20.75	149	387373	42.348	ng		92
80) Benzo(a)anthracene	21.72	228	972080	39.471	ng		99
81) 3,3'-Dichlorobenzidine	21.63	252	223297	23.311	ng	#	96
82) Chrysene	21.79	228	906667	40.141	ng		98
83) Bis(2-ethylhexyl)phthalate	21.62	149	504249	40.589	ng	#	99
84) Di-n-octyl phthalate	22.85	149	866213	41.654	ng		99
85) Indeno(1,2,3-cd)pyrene	28.75	276	1192995	41.280	ng	#	84
87) Benzo(b)fluoranthene	23.98	252	1037036	41.970	ng	#	94
88) Benzo(k)fluoranthene	24.04	252	976746	41.613	ng	#	93
89) Benzo(a)pyrene	24.86	252	972467	41.465	ng	#	94
90) Dibenzo(a,h)anthracene	28.81	278	988977	42.524	ng	#	95
91) Benzo(g,h,i)perylene	29.92	276	986541	42.198	ng	#	90

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

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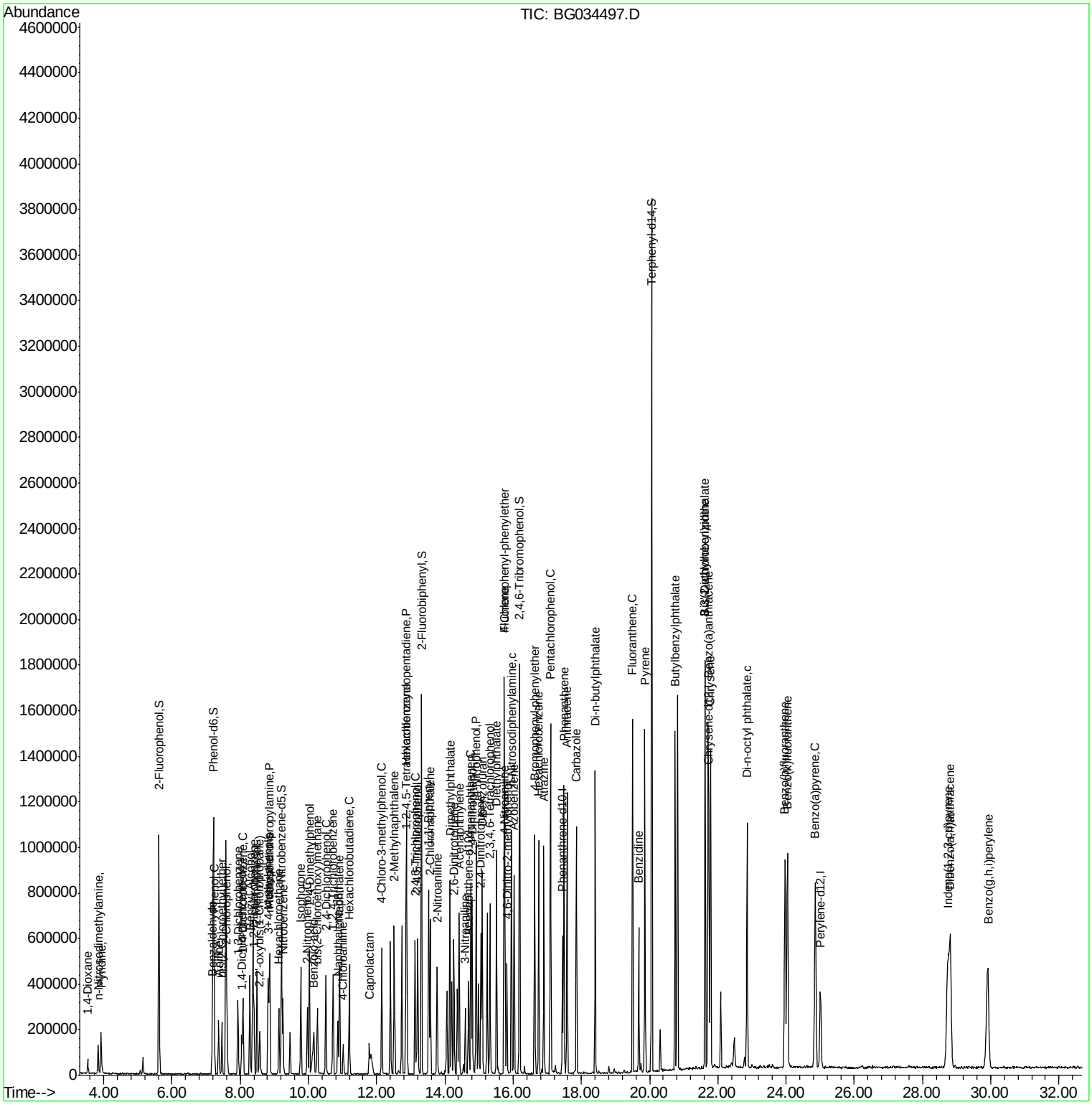
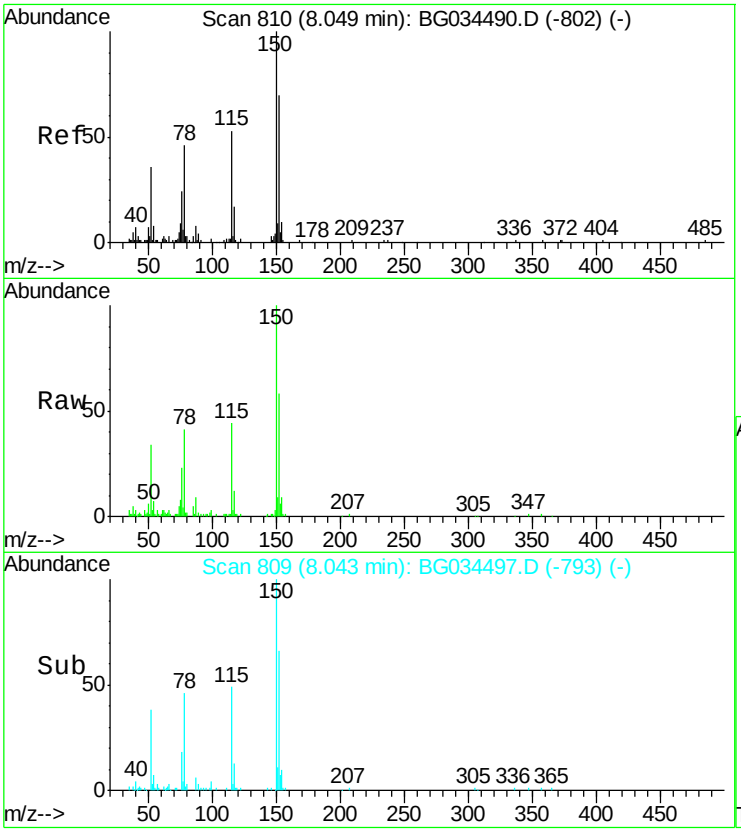
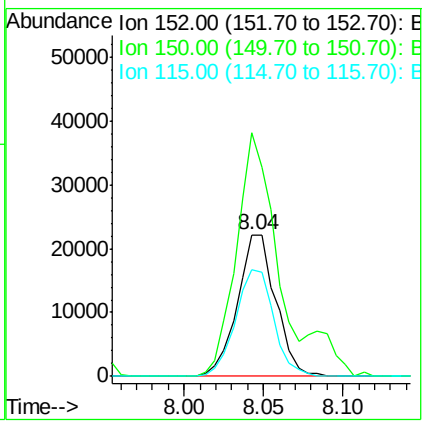




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:152 Resp: 36997

Ion	Ratio	Lower	Upper
152	100		
150	171.7	126.6	189.8
115	75.3	53.0	79.4



Instrument :
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PB108852BS

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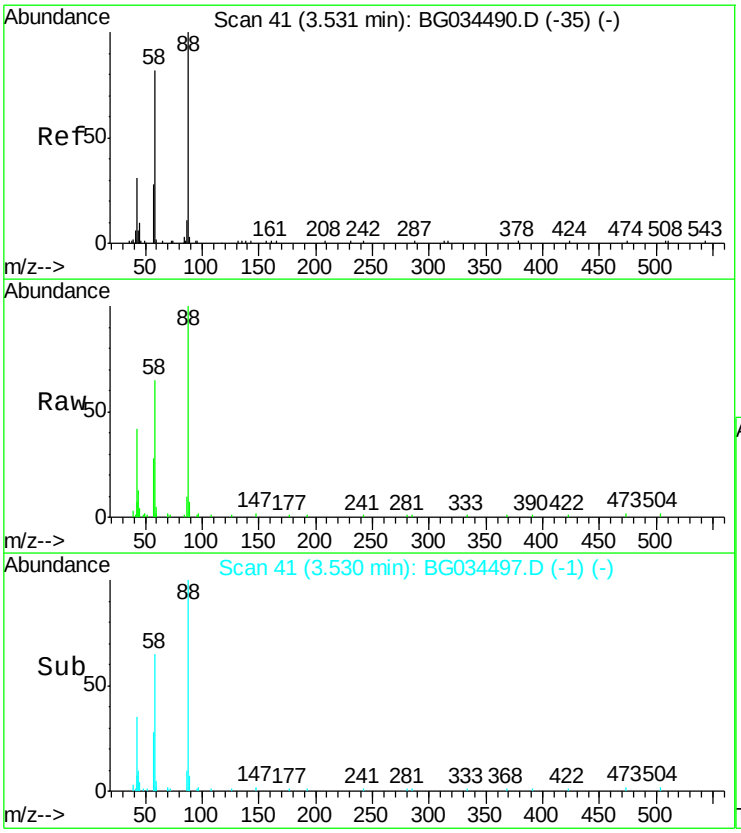
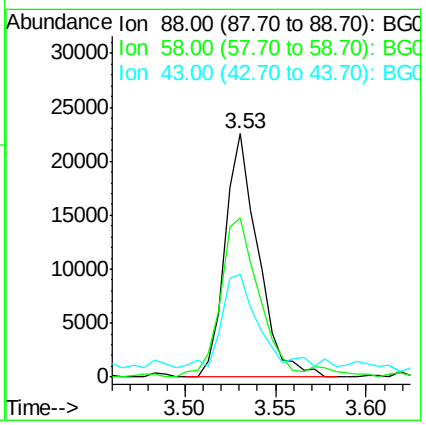
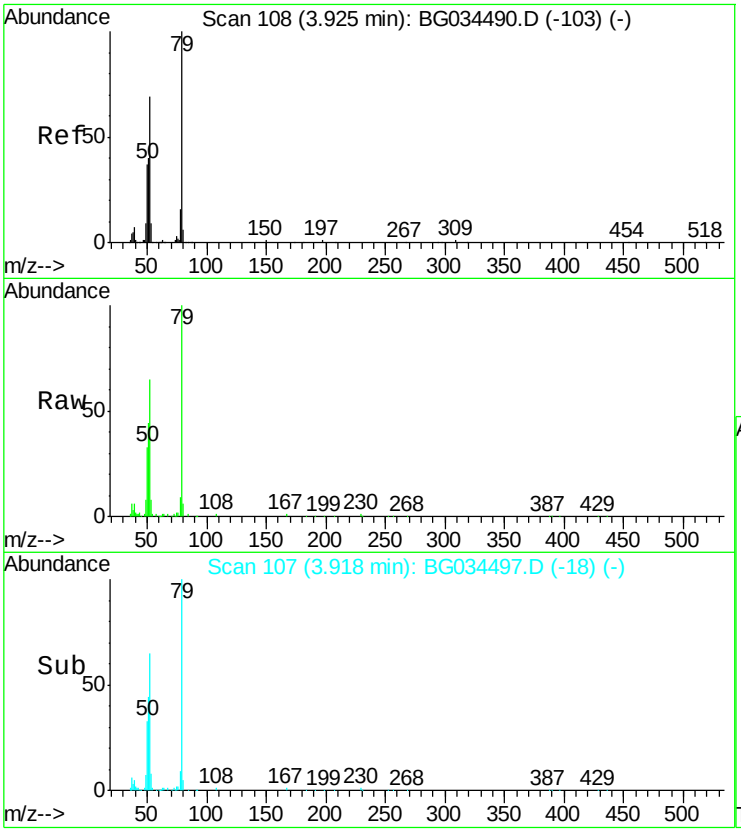


#2
1,4-Dioxane
Concen: 29.195 ng
RT: 3.53 min Scan# 41
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 88 Resp: 28804

Ion	Ratio	Lower	Upper
88	100		
58	75.8	79.6	119.4#
43	43.4	27.4	41.0#

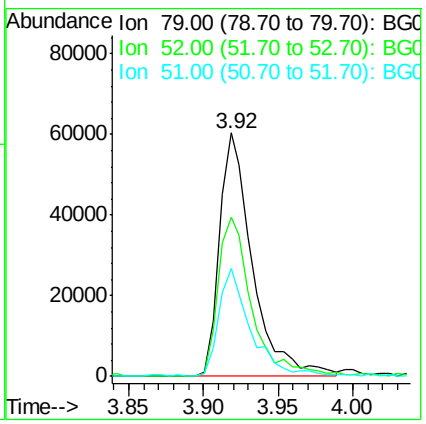




#3
Pyridine
Concen: 29.385 ng
RT: 3.92 min Scan# 107
Delta R.T. -0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 79 Resp: 93501

Ion	Ratio	Lower	Upper
79	100		
52	65.5	69.9	104.9#
51	44.1	34.0	51.0



Instrument :
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ClientSampleId :
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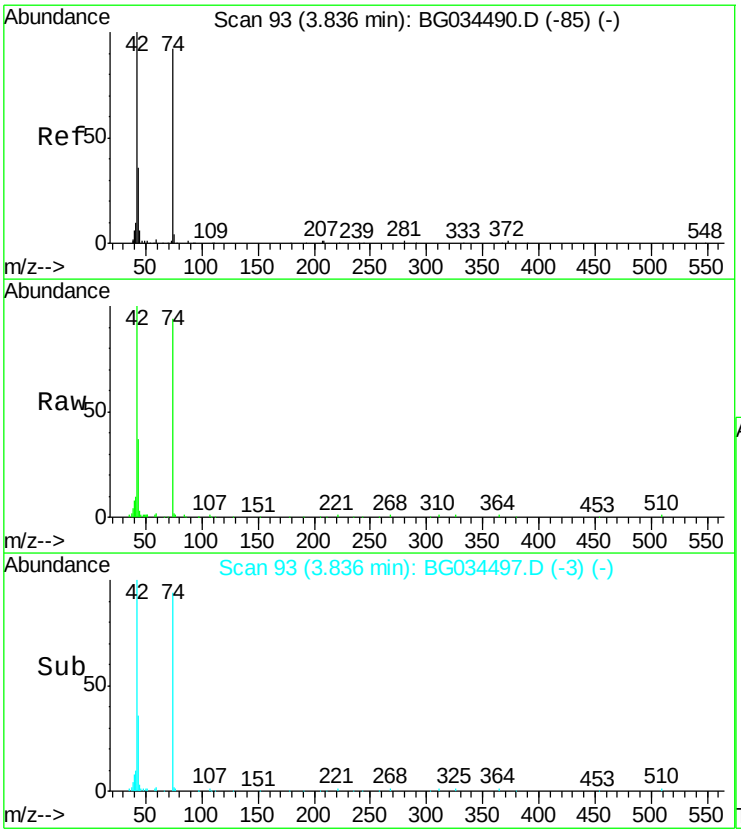
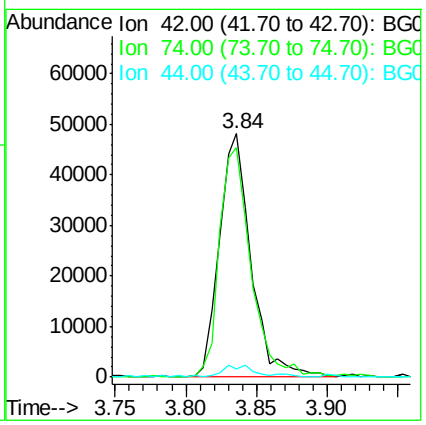
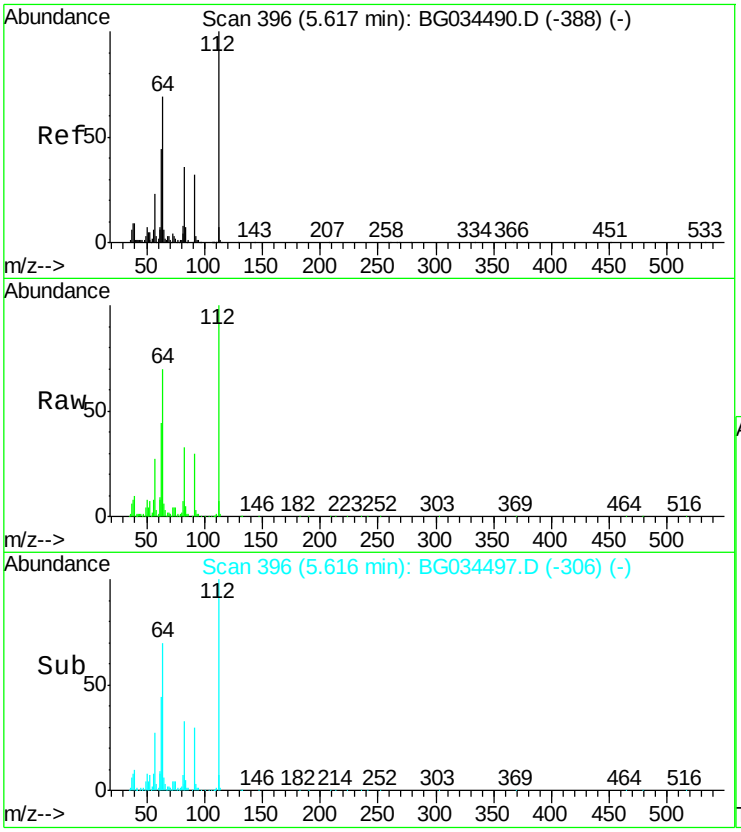


#4
n-Nitrosodimethylamine
Concen: 40.197 ng
RT: 3.84 min Scan# 93
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 42 Resp: 74808

Ion	Ratio	Lower	Upper
42	100		
74	94.1	102.5	153.7#
44	3.5	18.9	28.3#

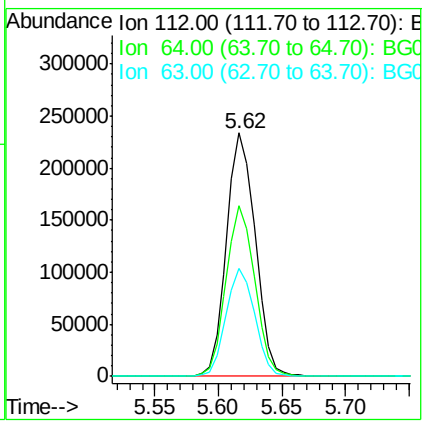




#5
2-Fluorophenol
Concen: 152.868 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:112 Resp: 367197

Ion	Ratio	Lower	Upper
112	100		
64	70.0	56.3	84.5
63	44.4	30.1	45.1



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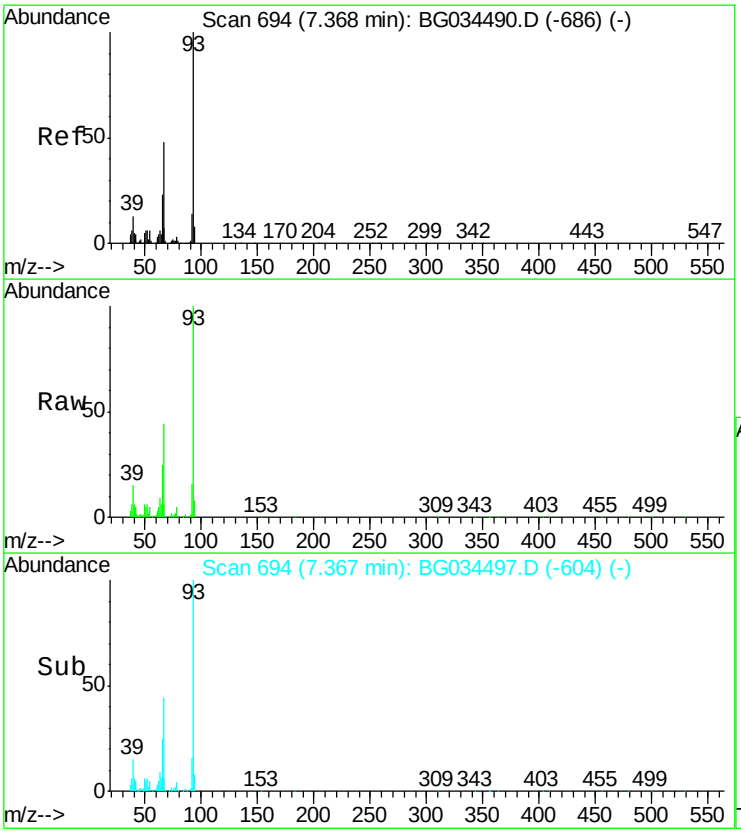
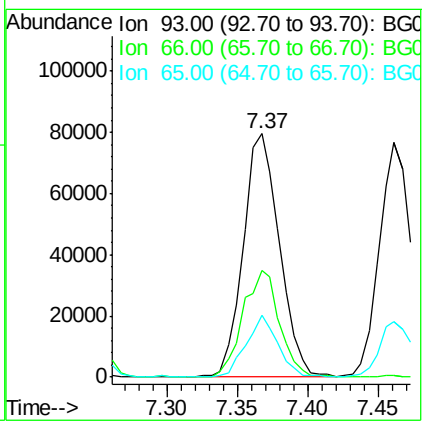
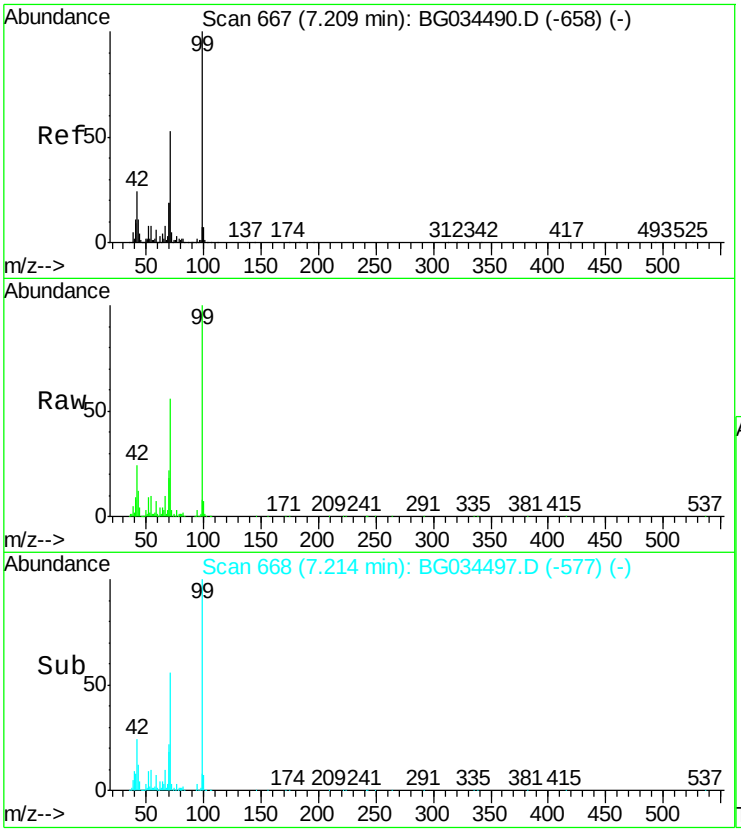


#6
Aniline
Concen: 28.221 ng
RT: 7.37 min Scan# 694
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 93 Resp: 143152

Ion	Ratio	Lower	Upper
93	100		
66	43.7	33.7	50.5
65	25.4	16.1	24.1#





#7
Phenol-d6
Concen: 139.041 ng
RT: 7.21 min Scan# 668
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 99 Resp: 540279

Ion	Ratio	Lower	Upper
99	100		
42	24.4	14.1	21.1#
71	56.1	26.1	39.1#

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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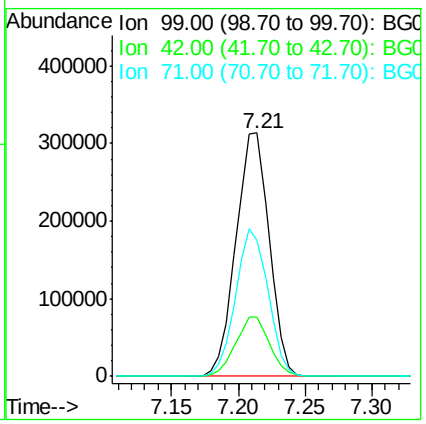
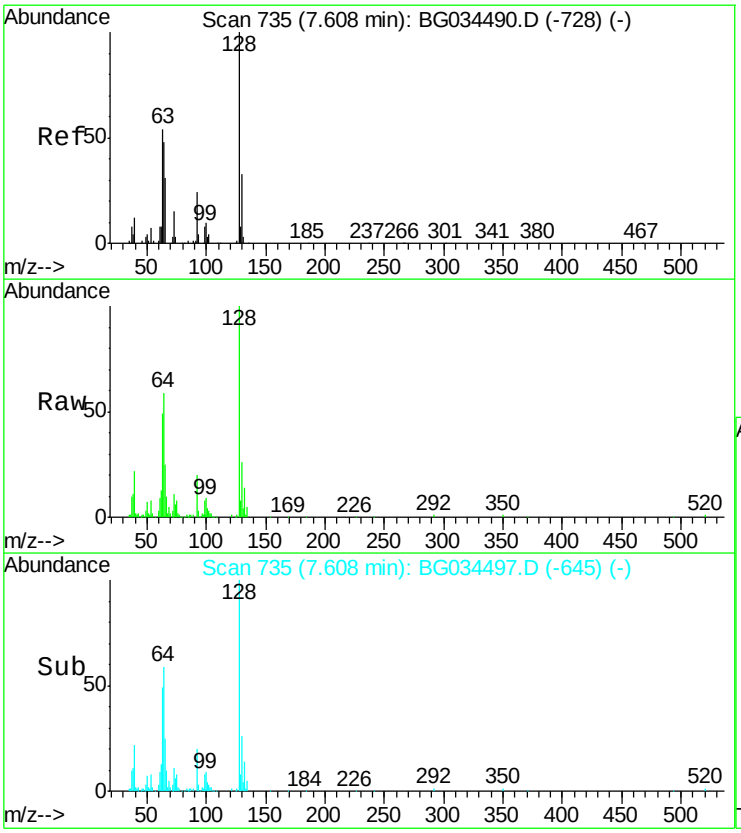
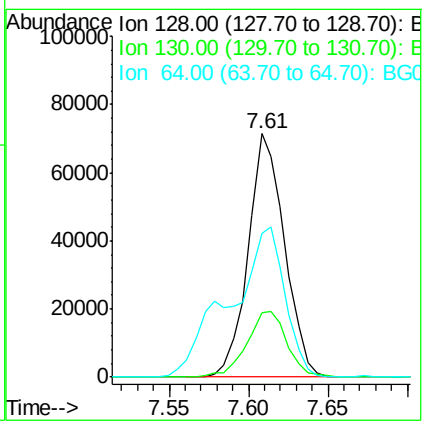


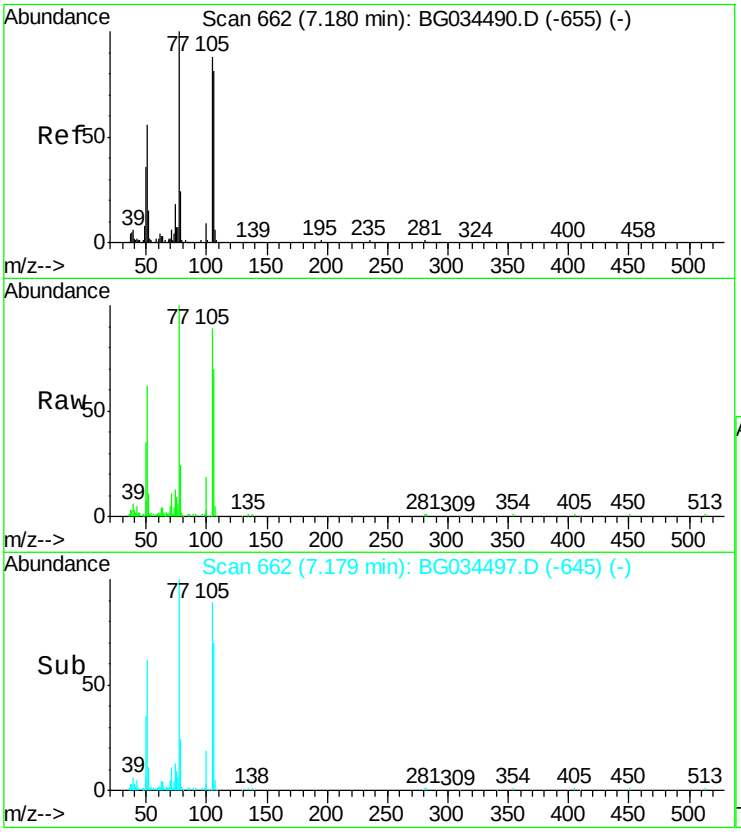


#8
2-Chlorophenol
Concen: 44.630 ng
RT: 7.61 min Scan# 735
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:128 Resp: 113370

Ion	Ratio	Lower	Upper
128	100		
130	26.2	14.0	54.0
64	58.9	37.7	77.7

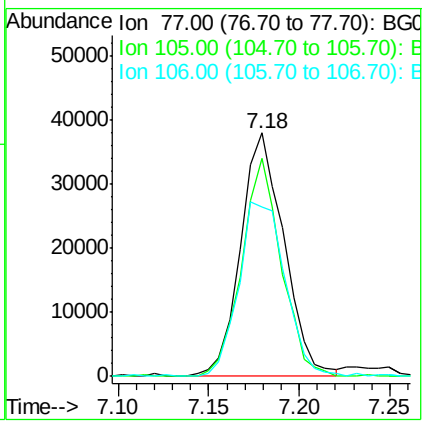




#9
Benzaldehyde
Concen: 23.511 ng
RT: 7.18 min Scan# 662
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 77 Resp: 63124

Ion	Ratio	Lower	Upper
77	100		
105	89.5	71.3	111.3
106	69.8	64.2	104.2



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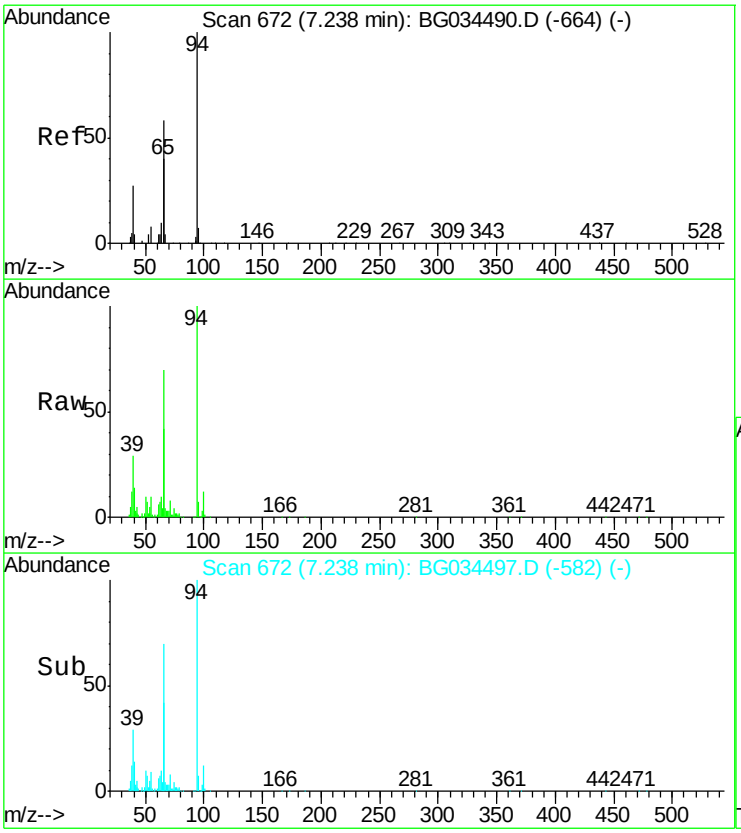
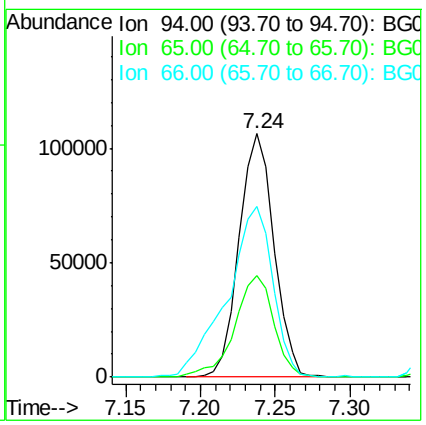
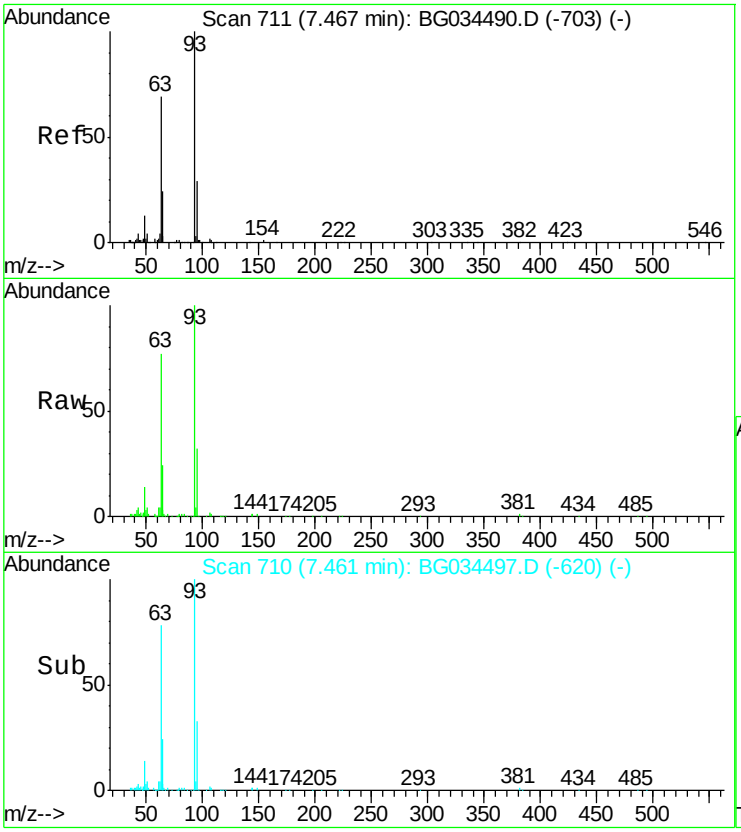


#10
Phenol
Concen: 44.266 ng
RT: 7.24 min Scan# 672
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 94 Resp: 171542

Ion	Ratio	Lower	Upper
94	100		
65	41.9	11.9	51.9
66	70.0	22.2	62.2#

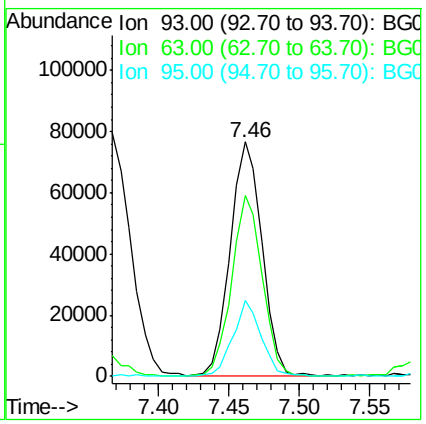




#11
bis(2-Chloroethyl)ether
Concen: 41.250 ng
RT: 7.46 min Scan# 710
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 93 Resp: 120763

Ion	Ratio	Lower	Upper
93	100		
63	77.4	67.1	107.1
95	32.5	11.5	51.5



Instrument :
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ClientSampleId :
PB108852BS

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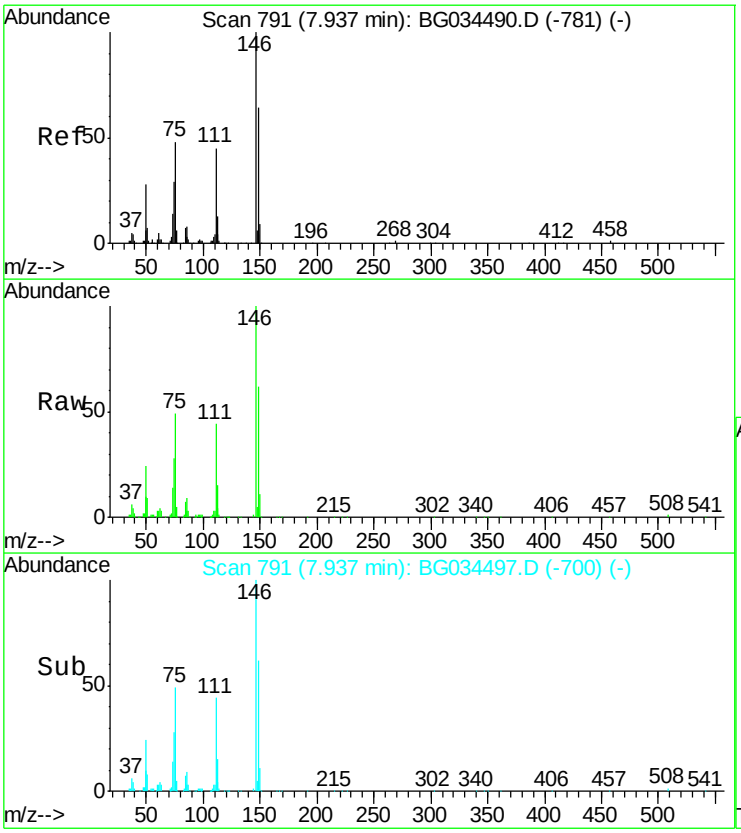
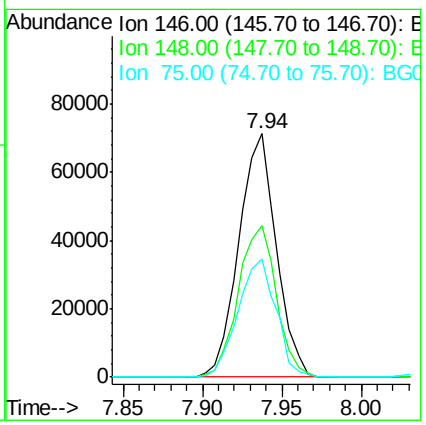
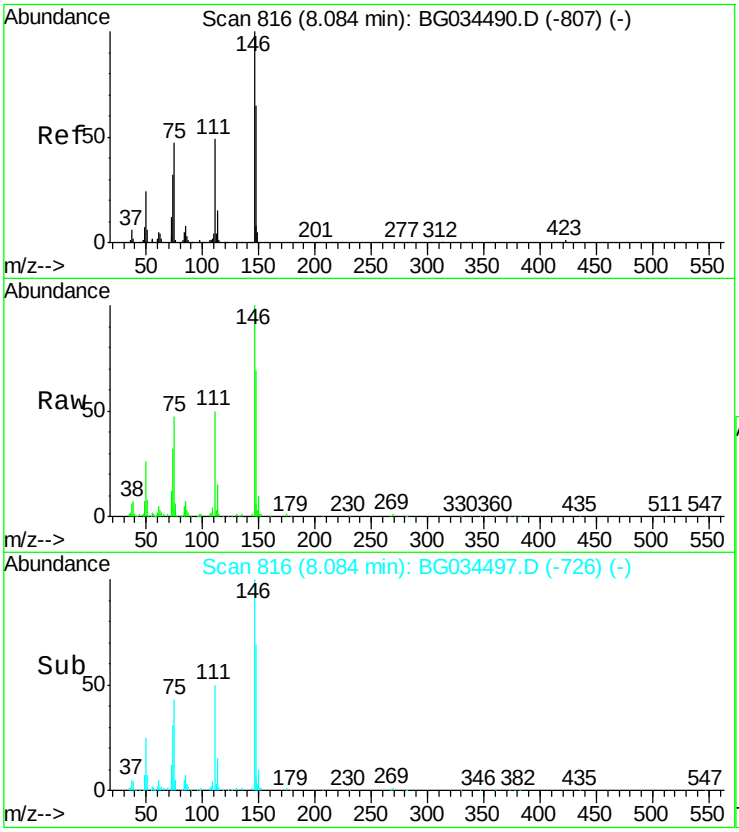


#12
1,3-Dichlorobenzene
Concen: 39.147 ng
RT: 7.94 min Scan# 791
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:146 Resp: 117024

Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.4	77.2
75	48.7	26.6	39.8#

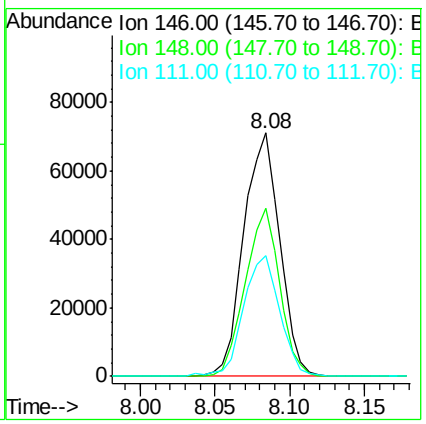




#13
1,4-Dichlorobenzene
Concen: 38.824 ng
RT: 8.08 min Scan# 816
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:146 Resp: 118176

Ion	Ratio	Lower	Upper
146	100		
148	69.2	53.7	80.5
111	49.7	35.2	52.8



Instrument :
BNA_G
ClientSampleId :
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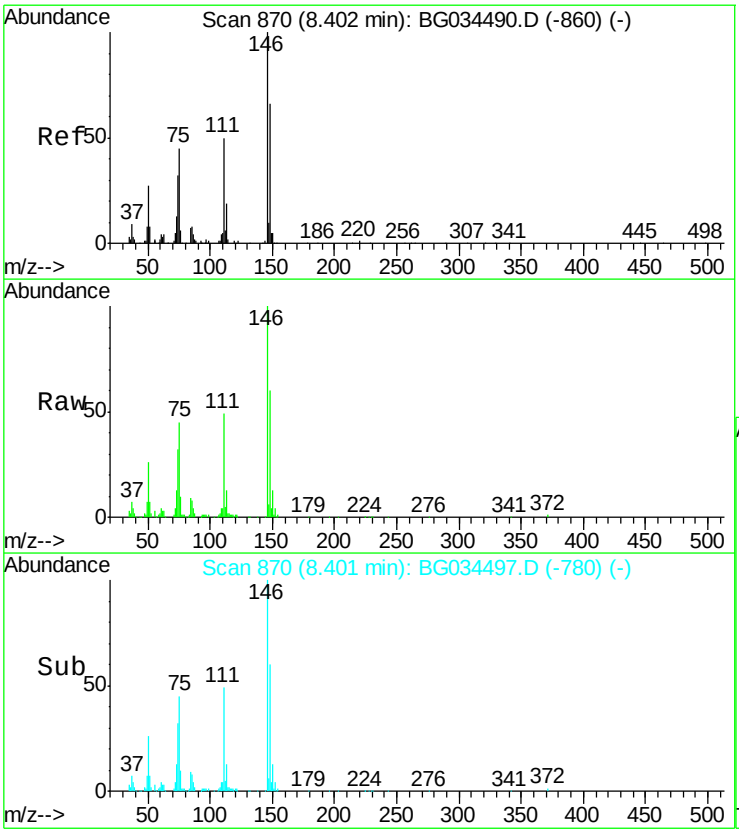
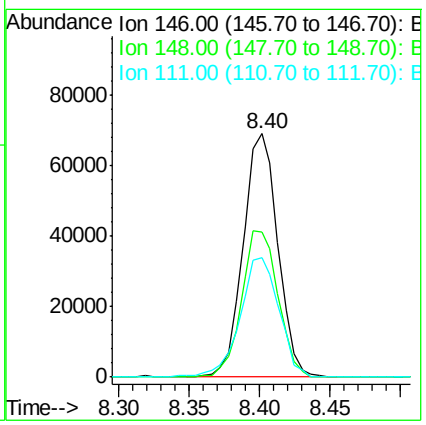
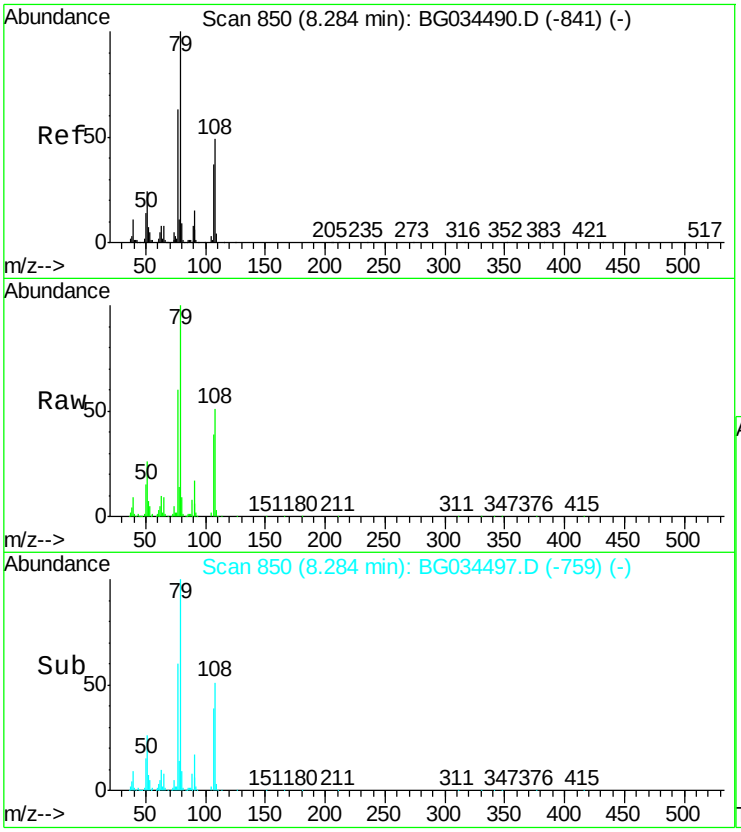


#14
1,2-Dichlorobenzene
Concen: 39.745 ng
RT: 8.40 min Scan# 870
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:146 Resp: 118745

Ion	Ratio	Lower	Upper
146	100		
148	59.6	49.3	73.9
111	49.1	34.3	51.5





#15
Benzyl Alcohol
Concen: 43.606 ng
RT: 8.28 min Scan# 850
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 79 Resp: 173395

Ion	Ratio	Lower	Upper
79	100		
108	51.4	57.2	85.8#
77	59.9	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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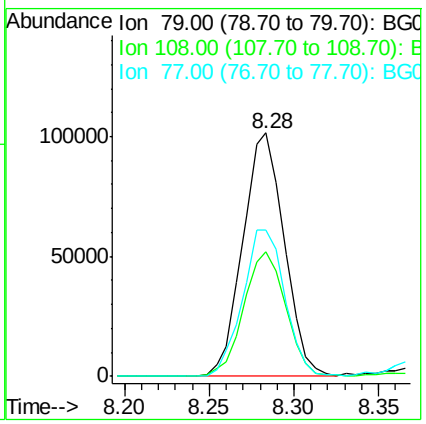
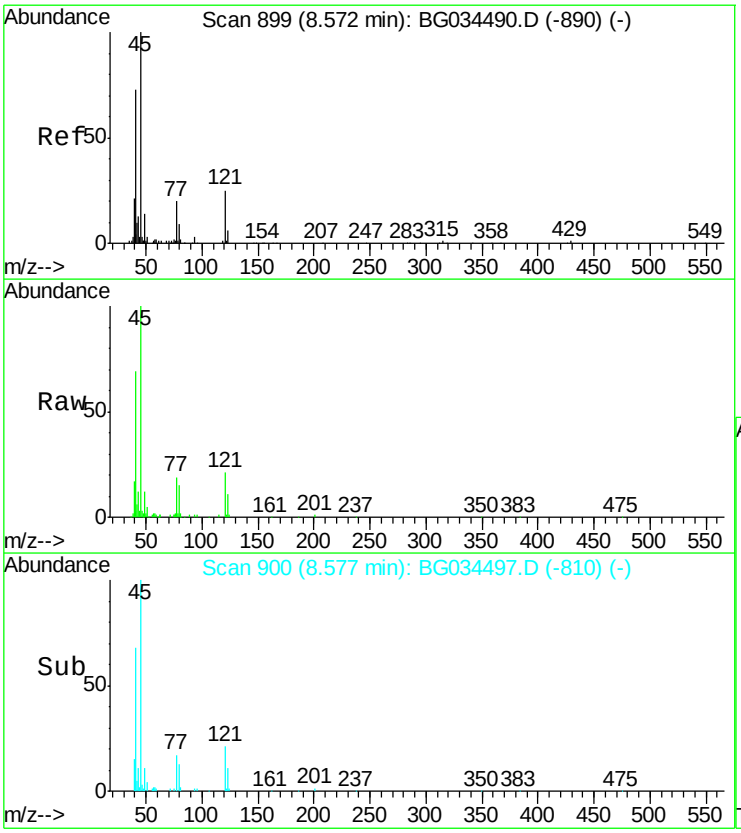
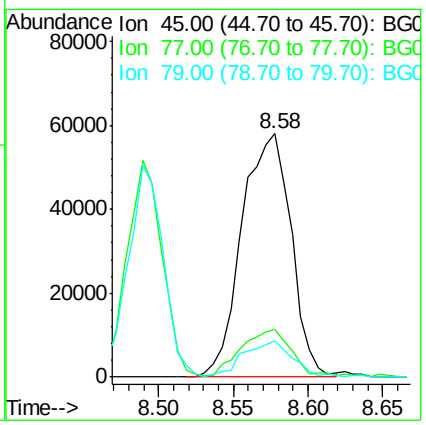


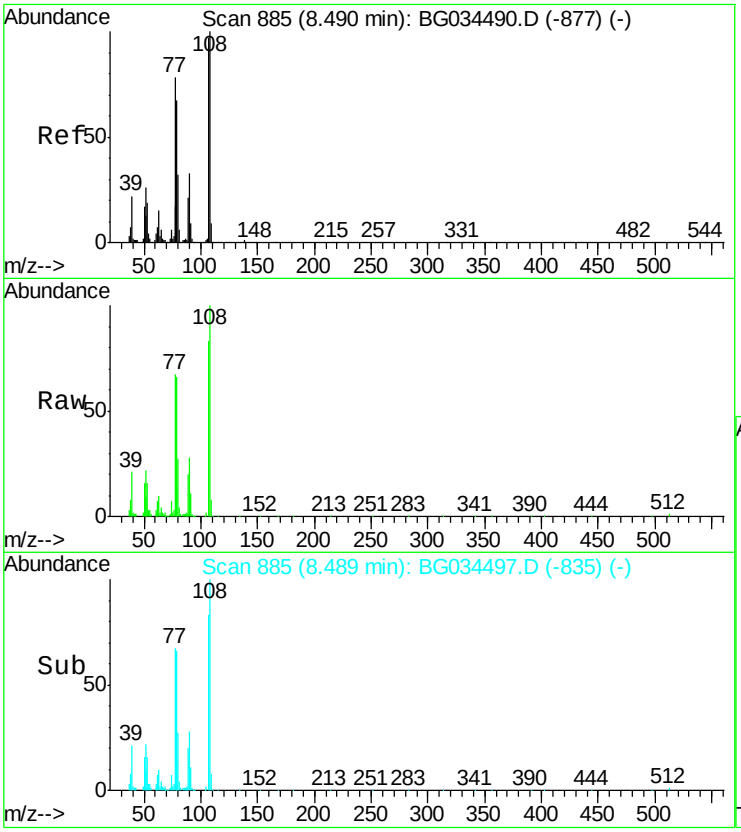


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.986 ng
RT: 8.58 min Scan# 900
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 45 Resp: 132860

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	30.2
79	14.7	0.0	27.9

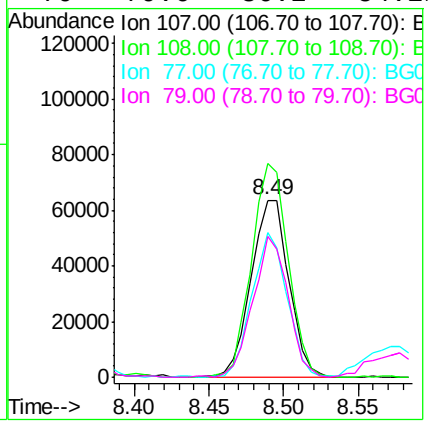




#17
2-Methylphenol
Concen: 42.691 ng
RT: 8.49 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:107 Resp: 111139

Ion	Ratio	Lower	Upper
107	100		
108	120.8	83.9	125.9
77	81.5	37.2	55.8#
79	79.6	36.2	54.2#



Instrument :
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ClientSampleId :
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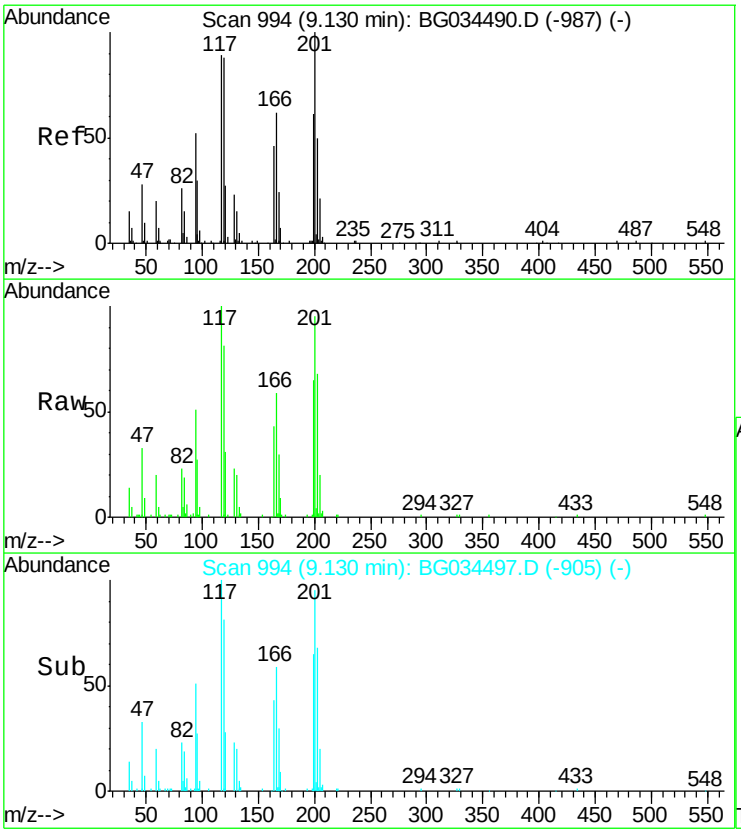
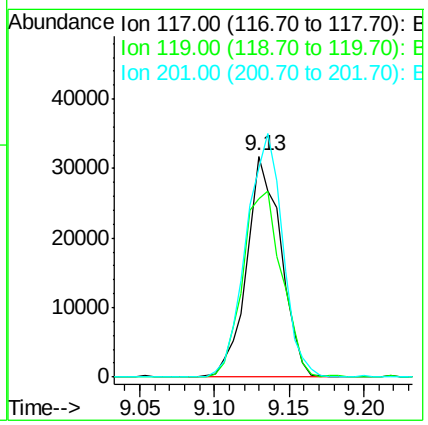
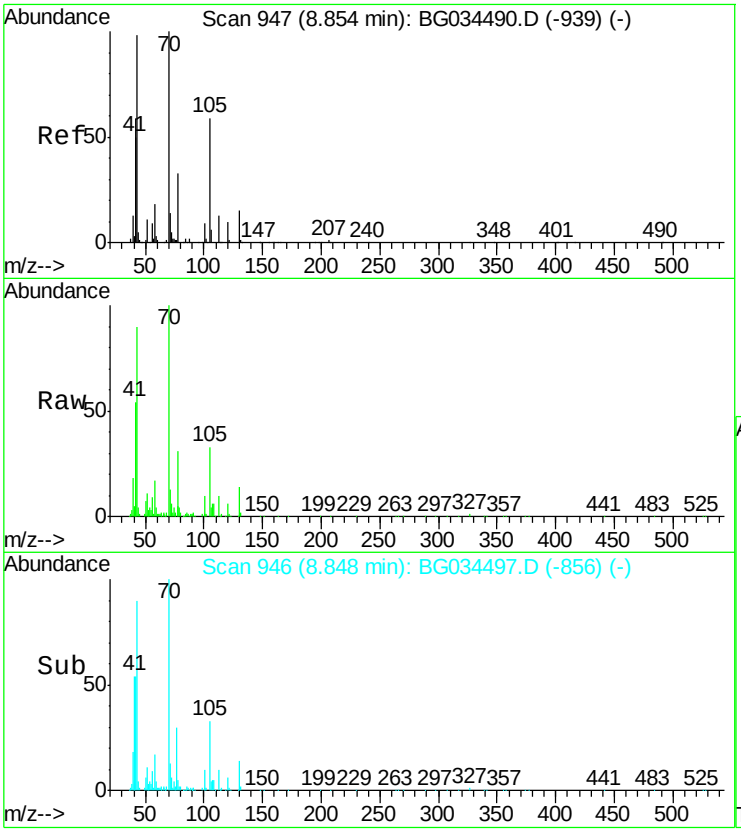


#18
Hexachloroethane
Concen: 39.252 ng
RT: 9.13 min Scan# 994
Delta R.T. -0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:117 Resp: 50265

Ion	Ratio	Lower	Upper
117	100		
119	80.7	76.7	115.1
201	94.8	95.7	143.5#

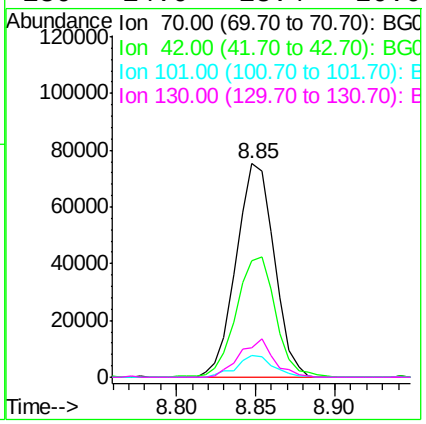




#19
n-Nitroso-di-n-propylamine
Concen: 39.534 ng
RT: 8.85 min Scan# 946
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 70 Resp: 125821

Ion	Ratio	Lower	Upper
70	100		
42	54.5	49.1	73.7
101	10.2	8.5	12.7
130	14.0	13.4	20.0



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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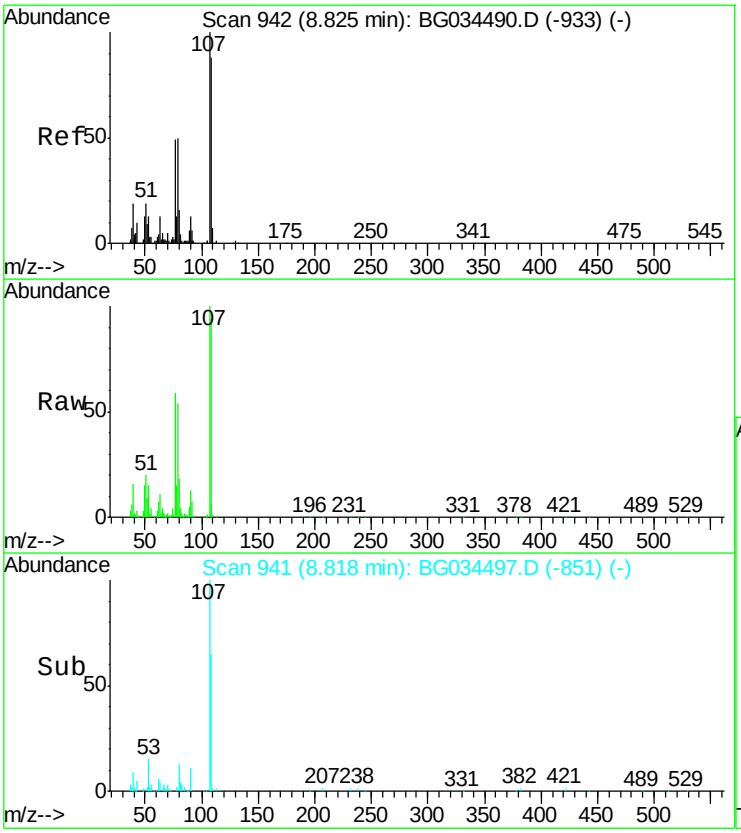
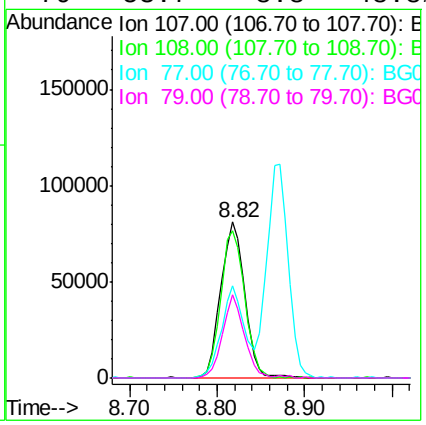
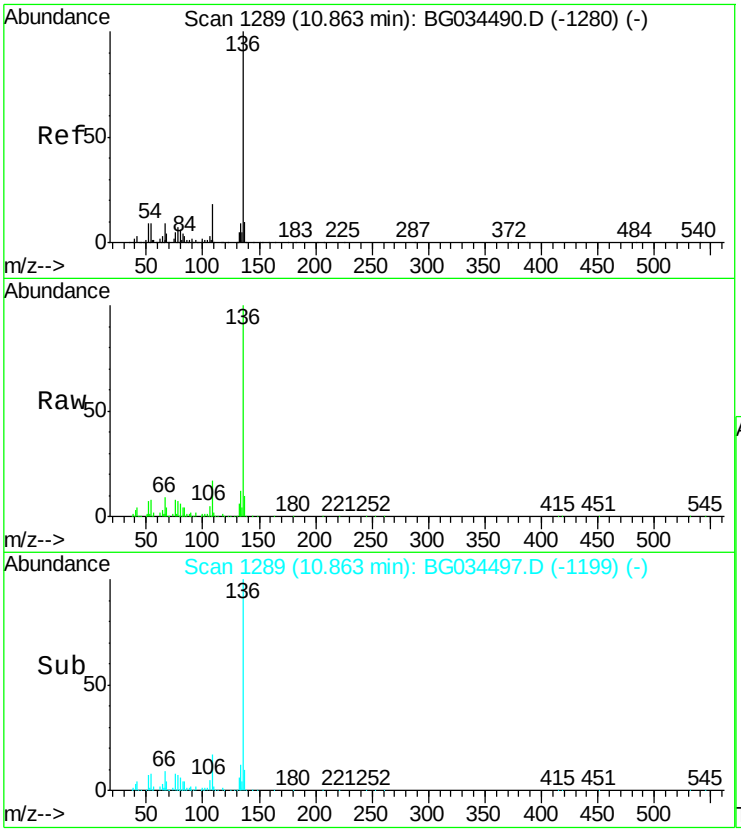


#20
3+4-Methylphenols
Concen: 42.260 ng
RT: 8.82 min Scan# 941
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:107 Resp: 153385

Ion	Ratio	Lower	Upper
107	100		
108	94.2	61.6	101.6
77	59.0	13.9	53.9#
79	53.7	8.8	48.8#

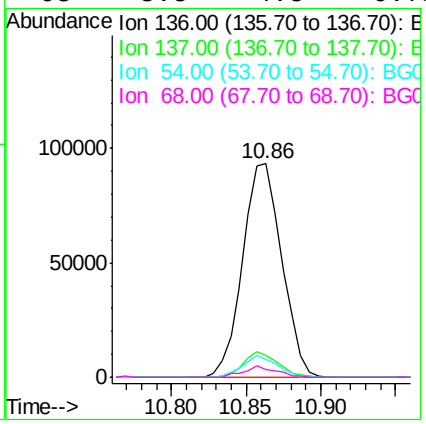




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:136 Resp: 169010

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	8.1	10.3	15.5#
68	3.5	4.5	6.7#



Instrument :
BNA_G
ClientSampleId :
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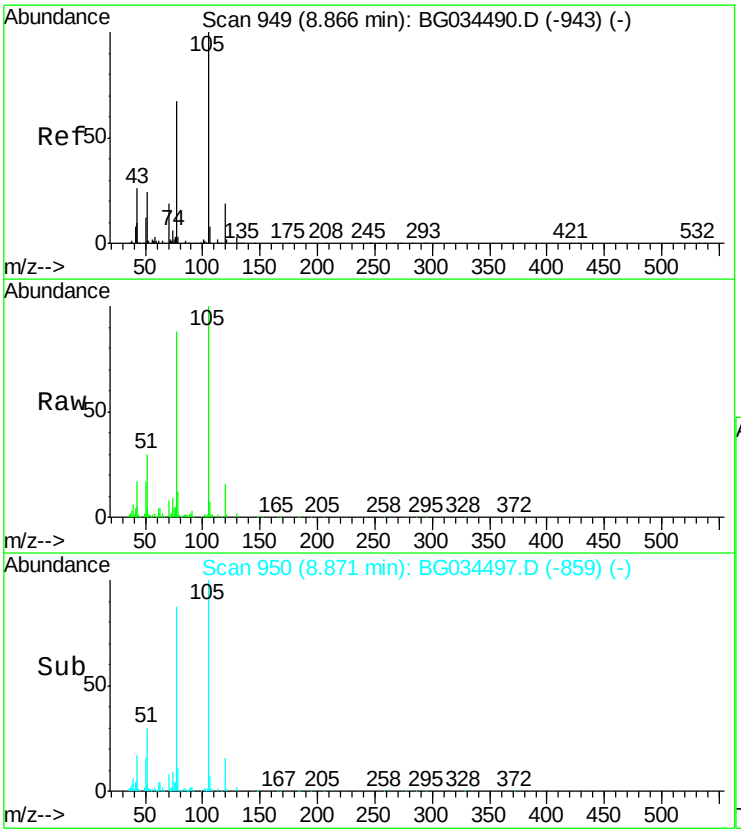
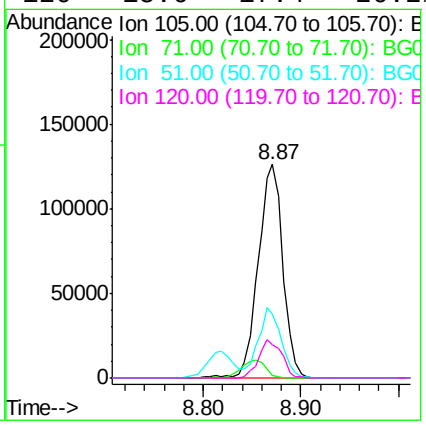
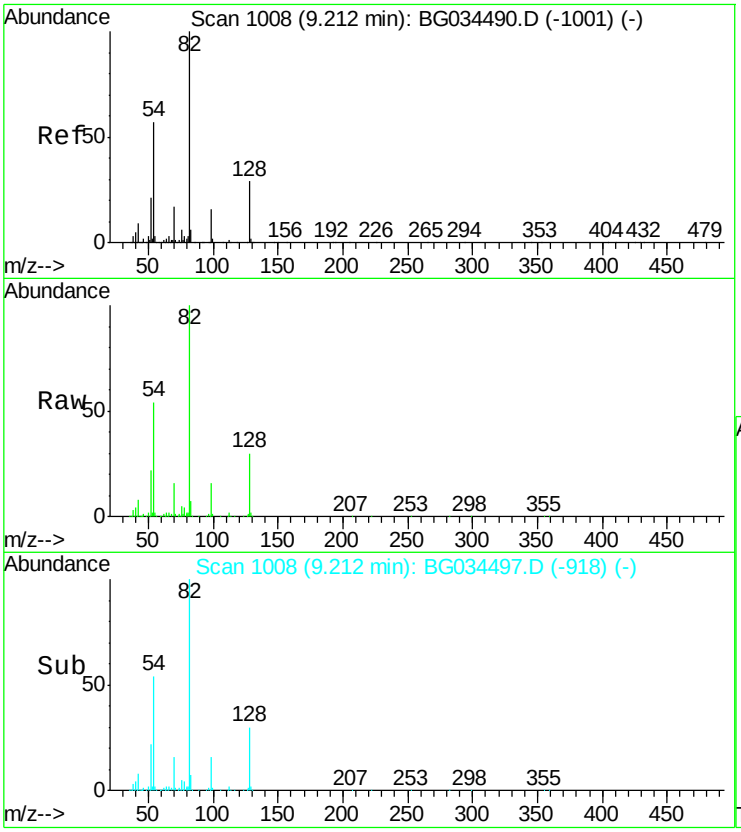


#22
Acetophenone
Concen: 41.323 ng
RT: 8.87 min Scan# 950
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:105 Resp: 223119

Ion	Ratio	Lower	Upper
105	100		
71	1.3	3.0	4.4#
51	30.2	26.1	39.1
120	15.6	17.4	26.2#

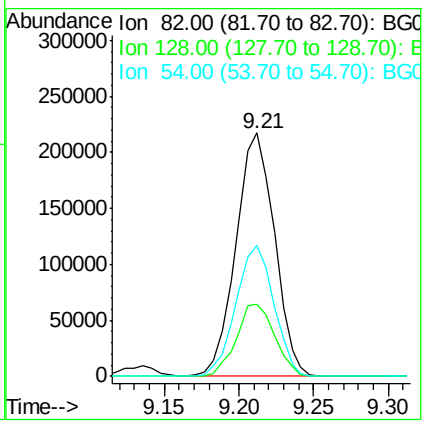




#23
Nitrobenzene-d5
Concen: 87.976 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 82 Resp: 389233

Ion	Ratio	Lower	Upper
82	100		
128	29.8	29.7	44.5
54	54.0	43.1	64.7



Instrument :
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ClientSampleId :
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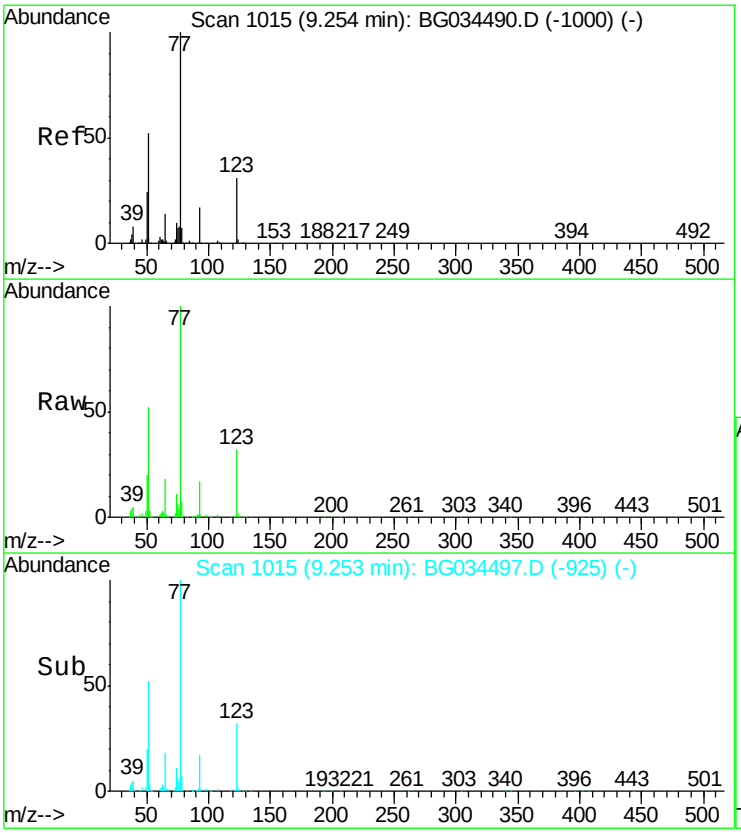
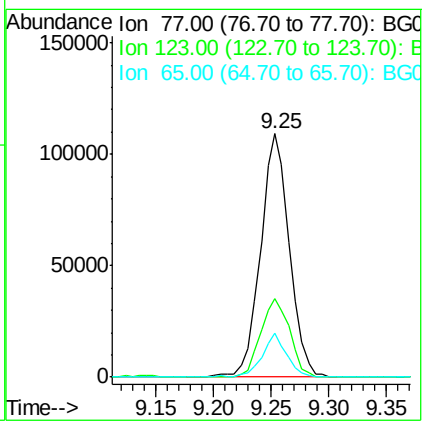
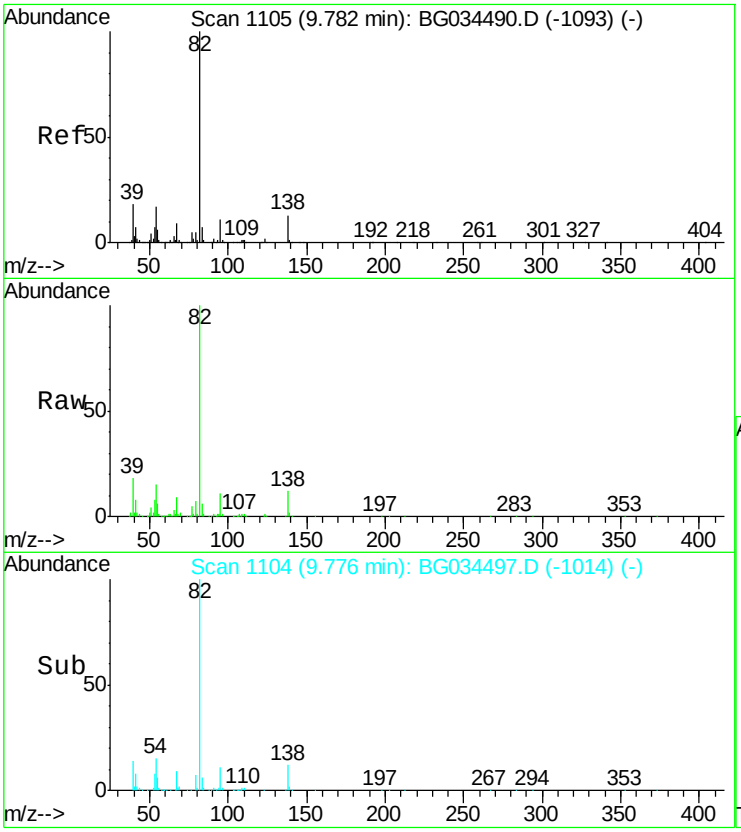


#24
Nitrobenzene
Concen: 41.222 ng
RT: 9.25 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 77 Resp: 189293

Ion	Ratio	Lower	Upper
77	100		
123	32.1	33.0	49.6#
65	17.8	13.0	19.6





#25
Isophorone
Concen: 38.524 ng
RT: 9.78 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 82 Resp: 330378

Ion	Ratio	Lower	Upper
82	100		
95	11.2	6.2	9.2#
138	11.8	12.1	18.1#

Instrument :
BNA_G
ClientSampleId :
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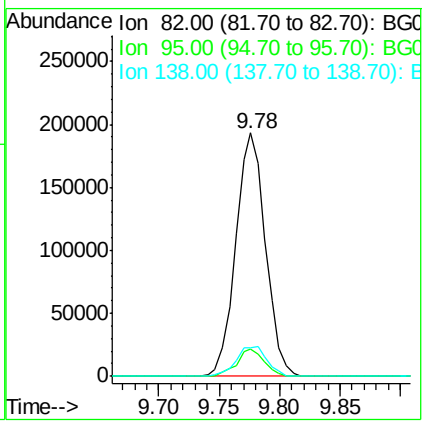
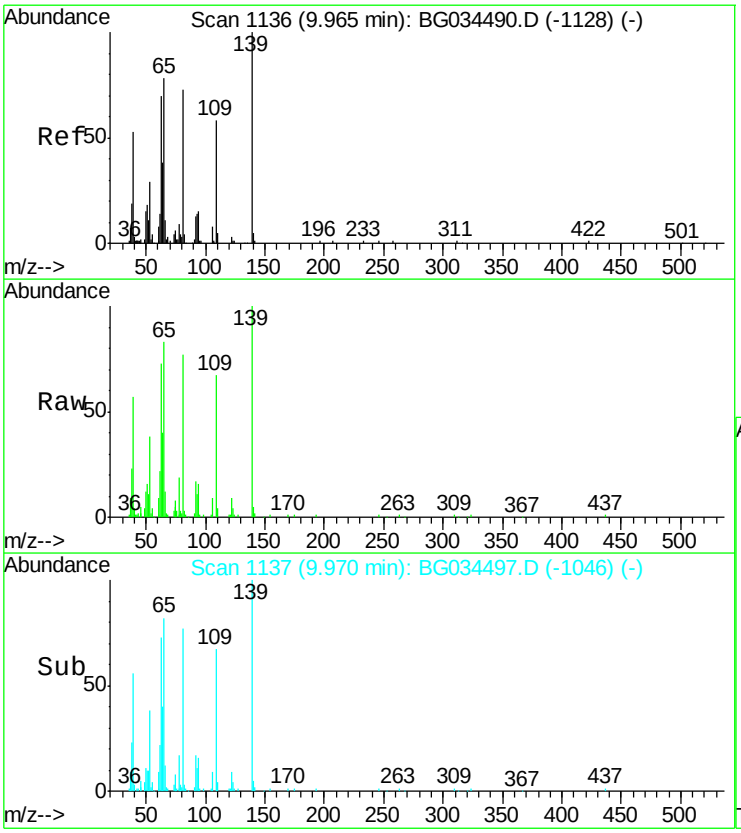
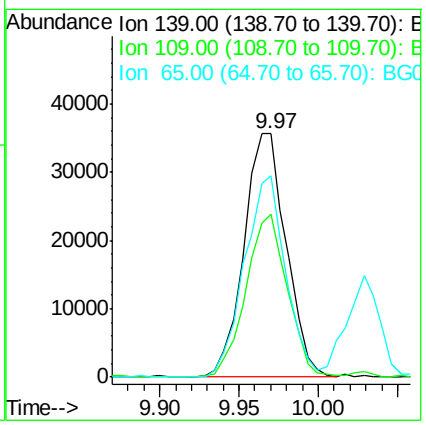


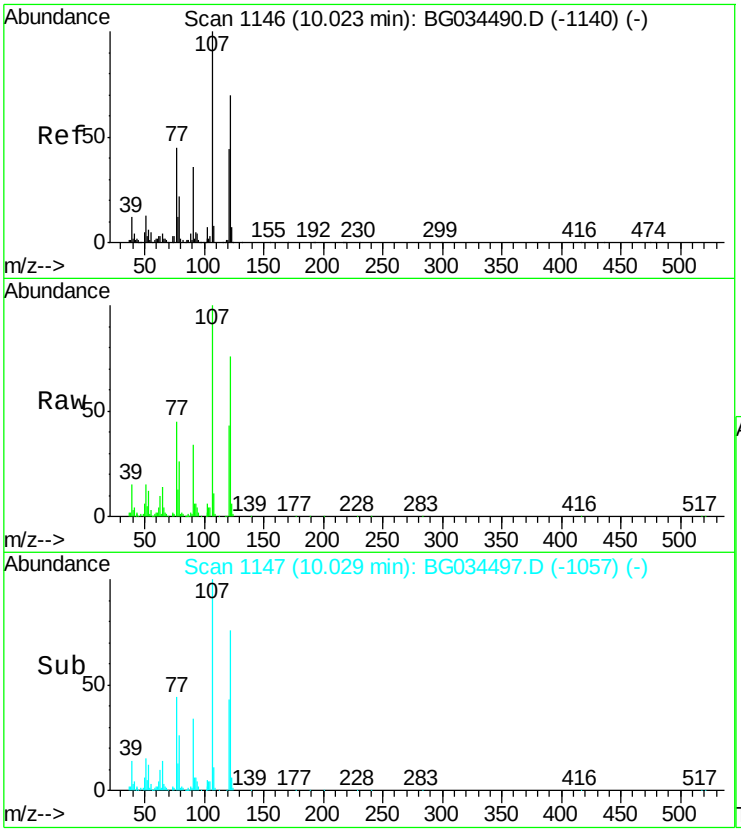


#26
2-Nitrophenol
Concen: 40.169 ng
RT: 9.97 min Scan# 1137
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:139 Resp: 65868

Ion	Ratio	Lower	Upper
139	100		
109	66.8	24.2	36.2#
65	82.9	47.4	71.0#

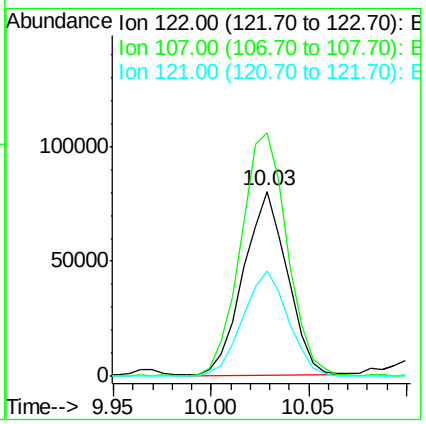




#27
2,4-Dimethylphenol
Concen: 43.670 ng
RT: 10.03 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:122 Resp: 125208

Ion	Ratio	Lower	Upper
122	100		
107	131.8	100.2	150.2
121	56.9	44.4	66.6



Instrument :
BNA_G
ClientSampleId :
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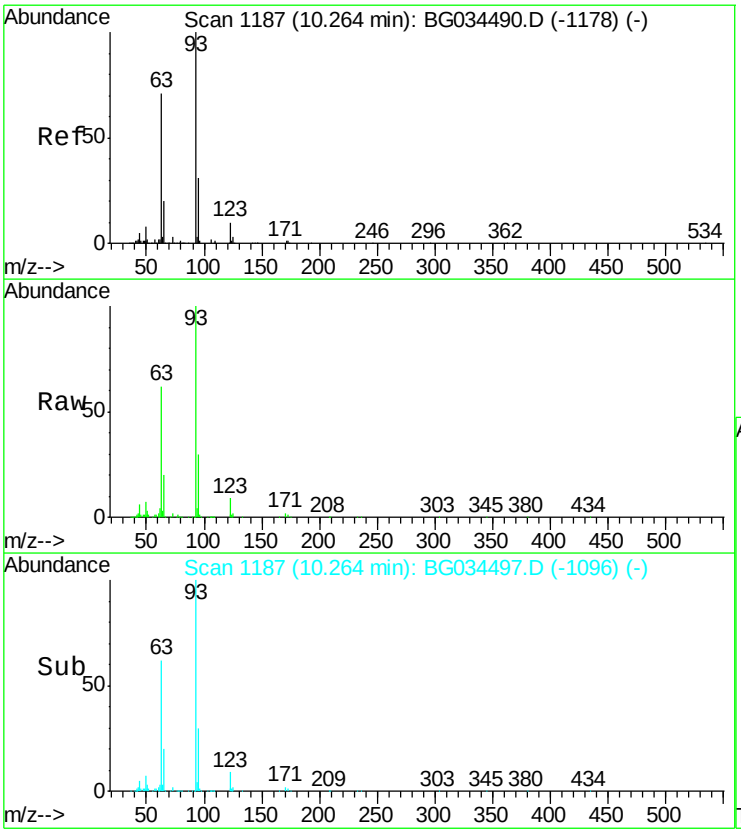
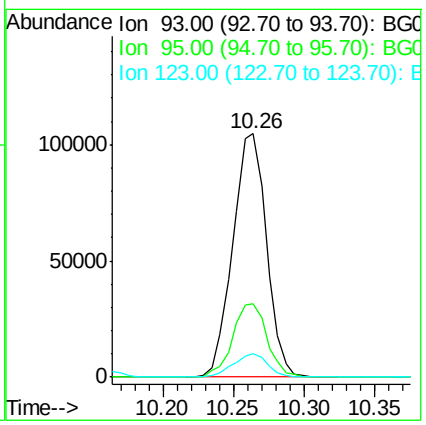
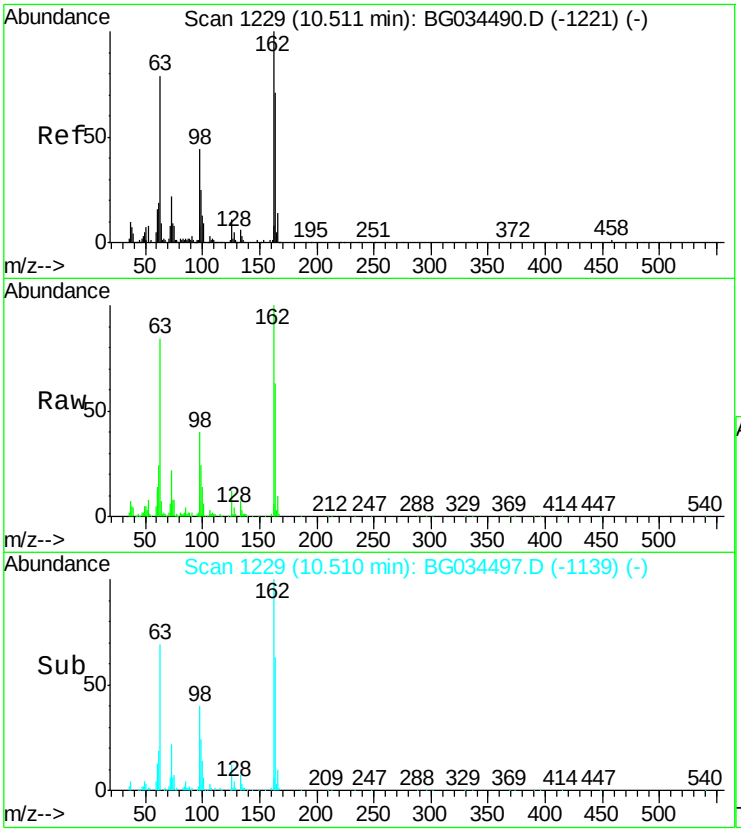


#28
bis(2-Chloroethoxy)methane
Concen: 40.504 ng
RT: 10.26 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 93 Resp: 174828

Ion	Ratio	Lower	Upper
93	100		
95	30.3	24.3	36.5
123	9.4	8.4	12.6

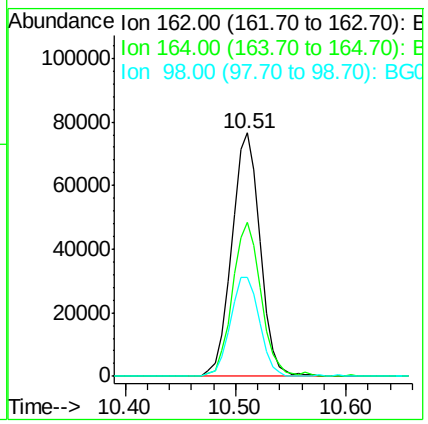




#29
2,4-Dichlorophenol
Concen: 46.066 ng
RT: 10.51 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:162 Resp: 137734

Ion	Ratio	Lower	Upper
162	100		
164	63.0	48.0	88.0
98	40.4	21.1	61.1



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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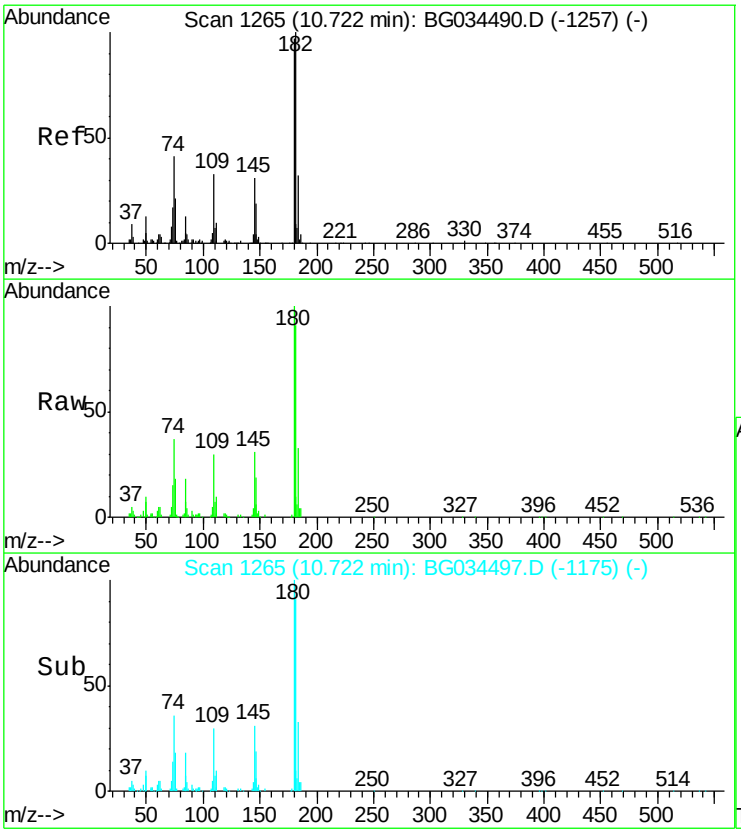
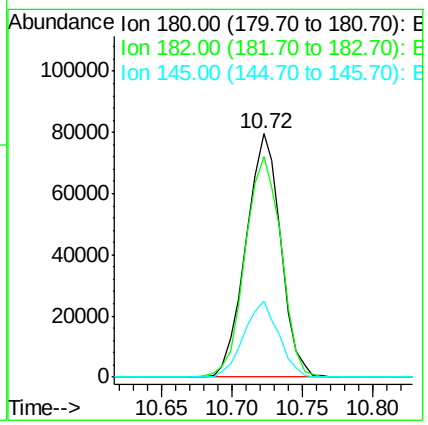
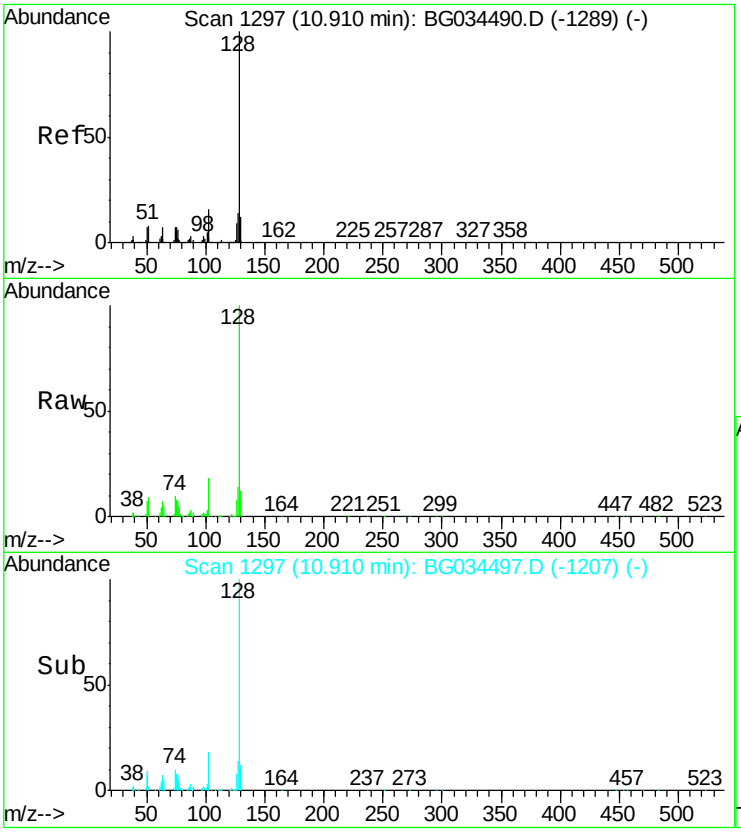


#30
1,2,4-Trichlorobenzene
Concen: 38.678 ng
RT: 10.72 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:180 Resp: 137504

Ion	Ratio	Lower	Upper
180	100		
182	90.6	77.5	116.3
145	31.1	23.4	35.2

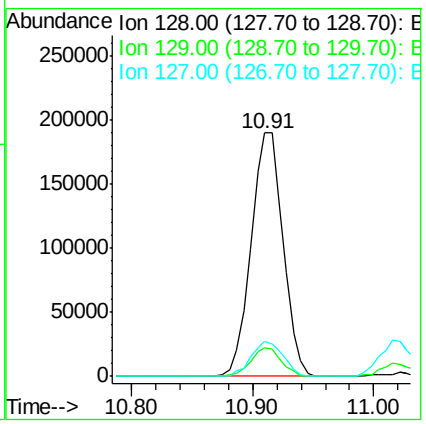




#31
Naphthalene
Concen: 39.677 ng
RT: 10.91 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:128 Resp: 348660

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	12.8
127	14.3	11.6	17.4



Instrument :
BNA_G
ClientSampleId :
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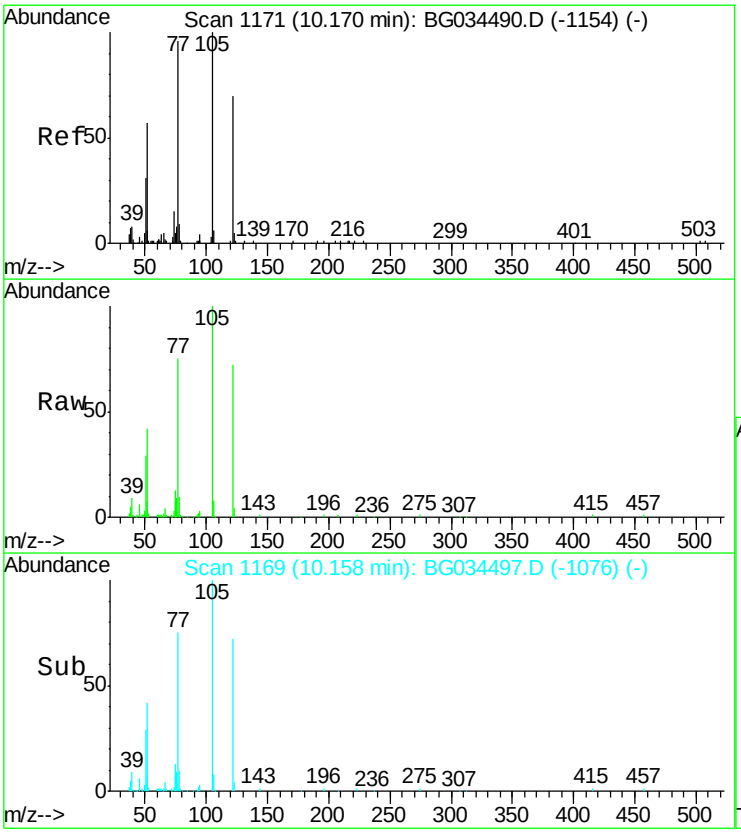
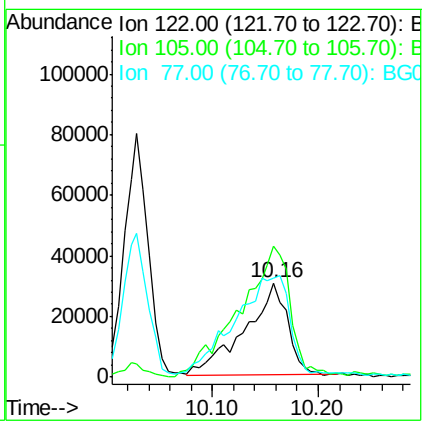
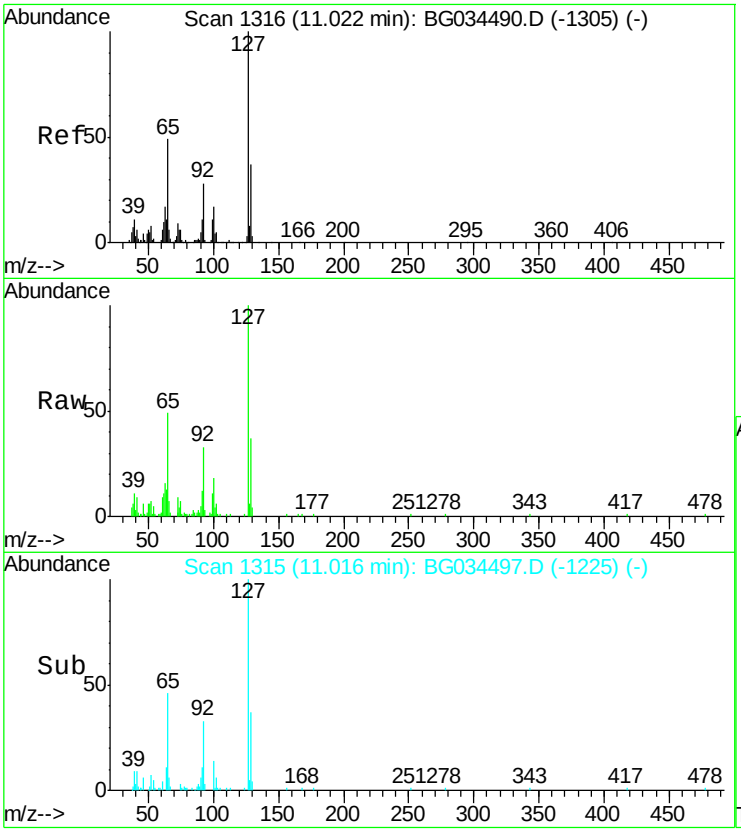


#32
Benzoic acid
Concen: 41.850 ng
RT: 10.16 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:122 Resp: 84973

Ion	Ratio	Lower	Upper
122	100		
105	139.2	123.5	163.5
77	104.9	85.7	125.7

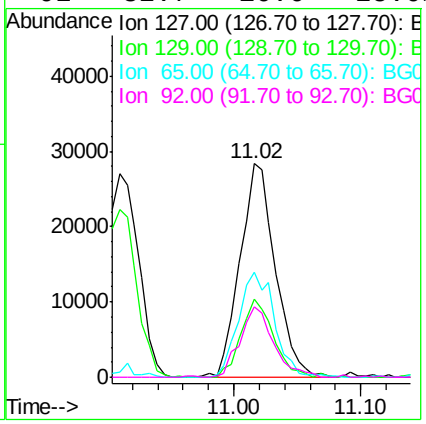




#33
4-Chloroaniline
Concen: 14.280 ng
RT: 11.02 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:127 Resp: 54724

Ion	Ratio	Lower	Upper
127	100		
129	36.8	24.0	36.0#
65	49.1	27.0	40.4#
92	32.7	16.6	25.0#



Instrument :
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ClientSampleId :
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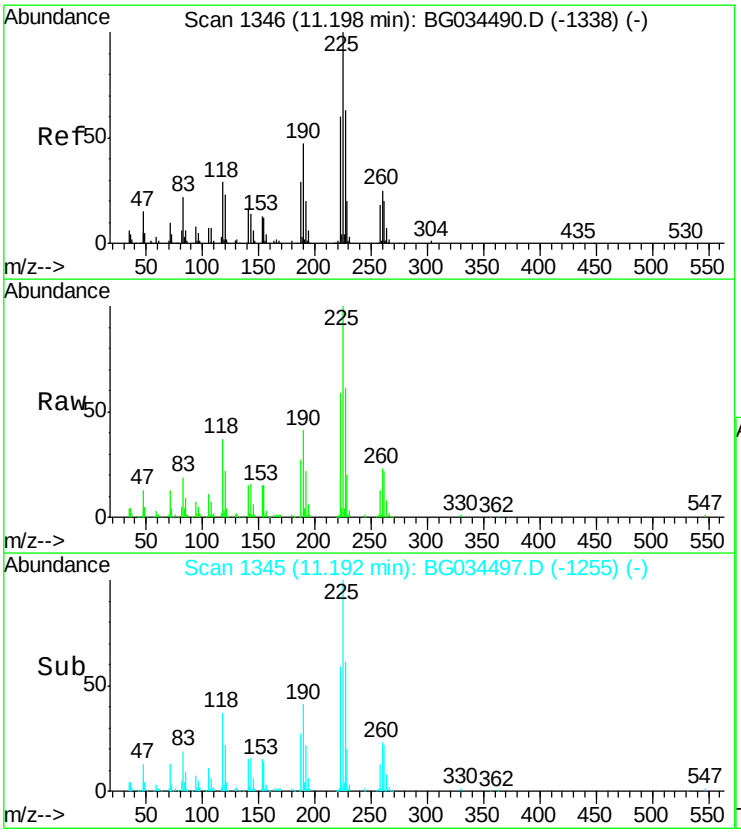
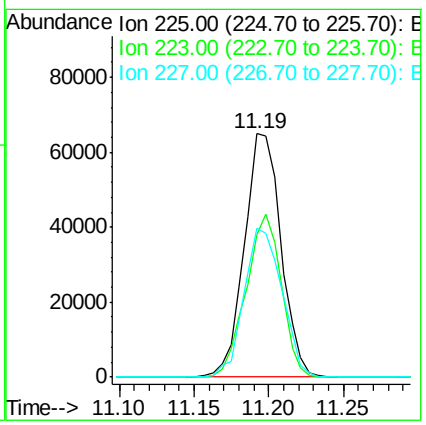
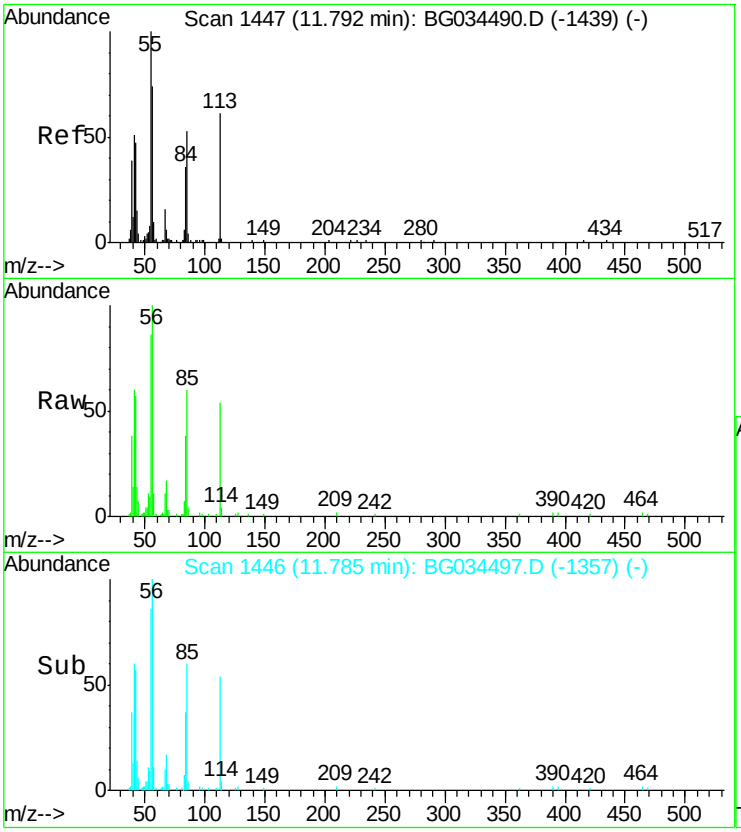


#34
Hexachlorobutadiene
Concen: 38.865 ng
RT: 11.19 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:225 Resp: 109770

Ion	Ratio	Lower	Upper
225	100		
223	58.6	49.7	74.5
227	61.0	48.1	72.1

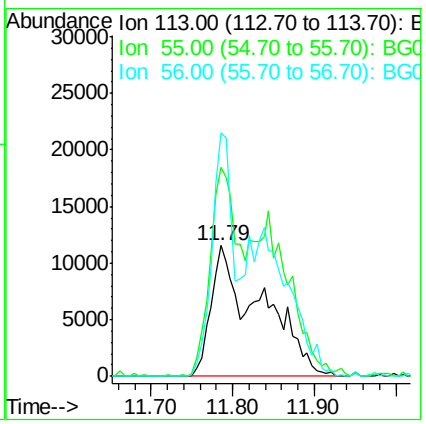




#35
Caprolactam
Concen: 43.120 ng m
RT: 11.79 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:113 Resp: 49013

Ion	Ratio	Lower	Upper
113	100		
55	160.4	186.9	226.9#
56	186.8	130.9	170.9#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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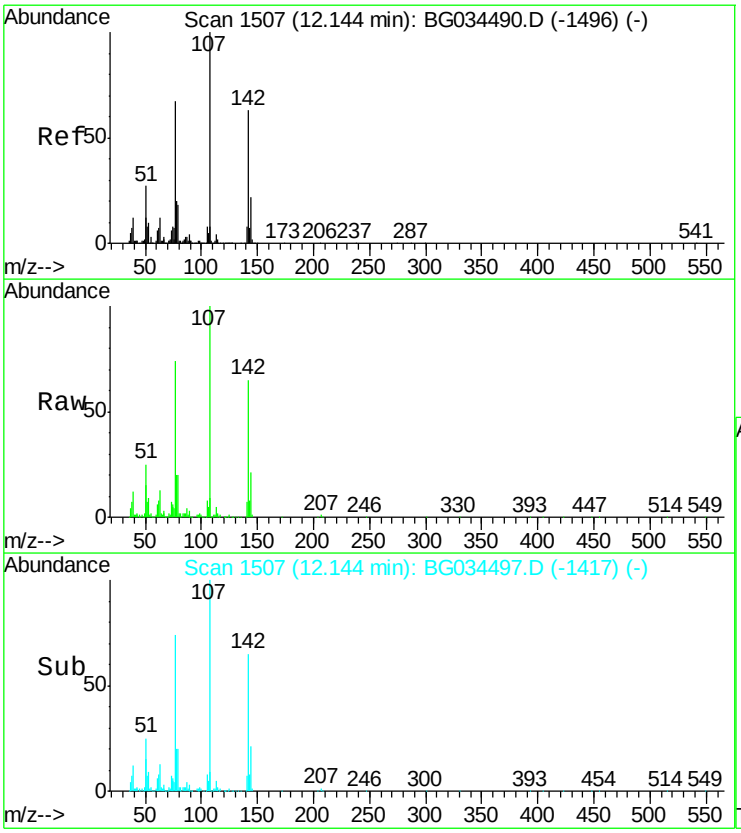
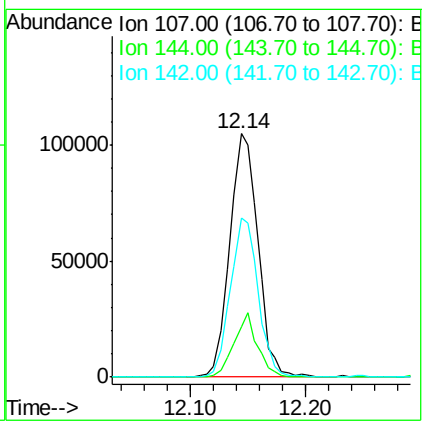
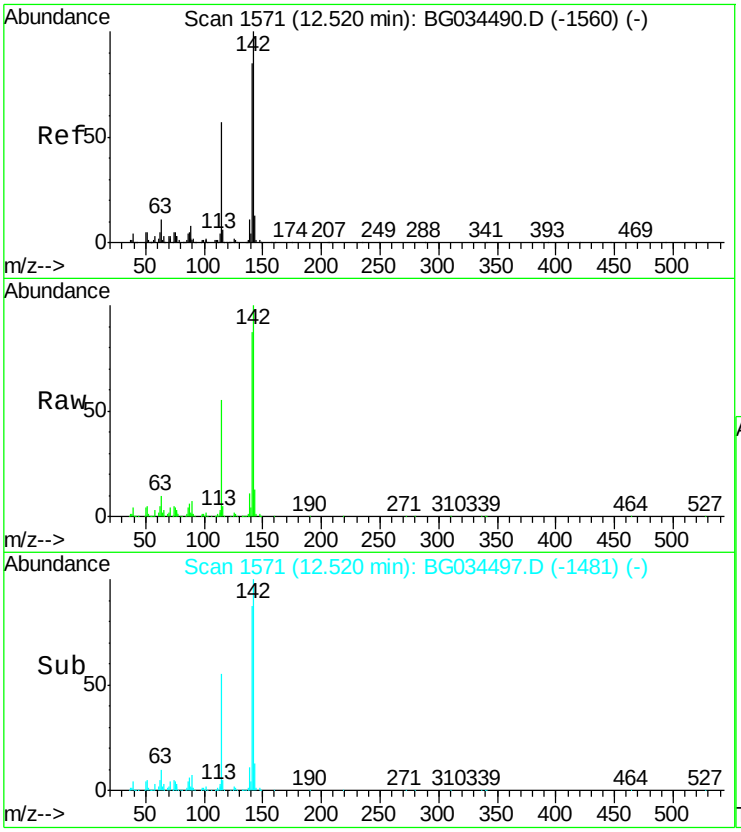


#36
4-Chloro-3-methylphenol
Concen: 43.998 ng
RT: 12.14 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:107 Resp: 177255

Ion	Ratio	Lower	Upper
107	100		
144	20.9	18.2	27.4
142	65.2	59.0	88.4





#37
2-Methylnaphthalene
Concen: 38.602 ng
RT: 12.52 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:142 Resp: 273939

Ion	Ratio	Lower	Upper
142	100		
141	86.9	67.1	100.7
115	55.1	30.7	46.1#

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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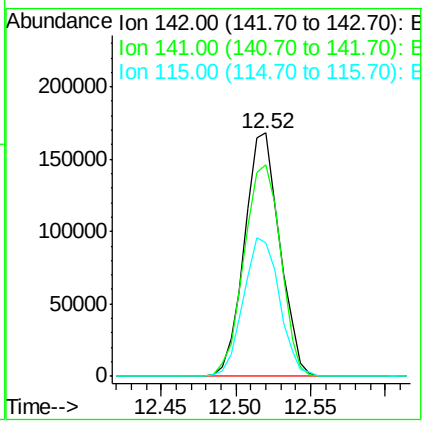
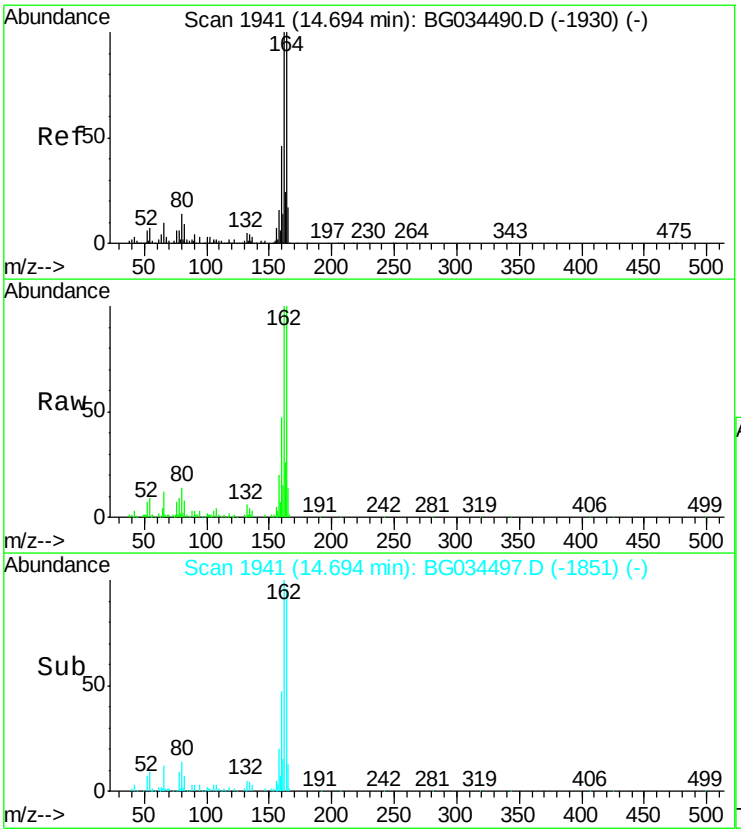
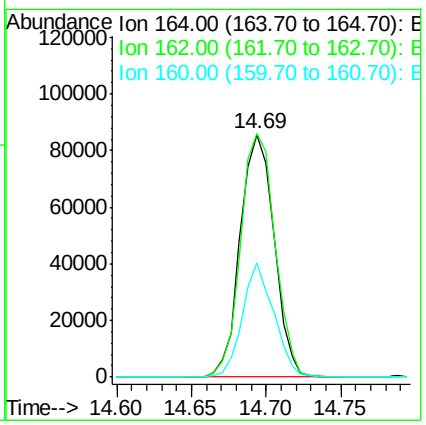


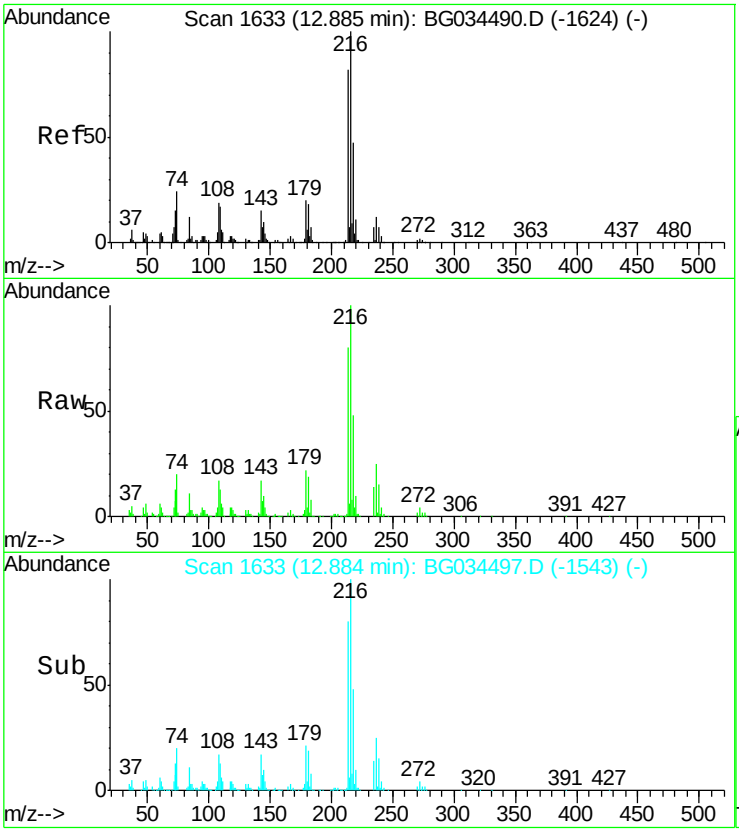


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:164 Resp: 134807

Ion	Ratio	Lower	Upper
164	100		
162	100.3	78.8	118.2
160	47.3	35.4	53.0

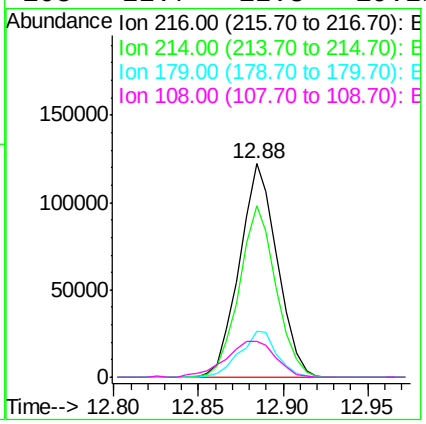




#39
1,2,4,5-Tetrachlorobenzene
Concen: 37.441 ng
RT: 12.88 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:216 Resp: 189684

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.0	17.0	25.6
108	22.7	12.8	19.2#



Instrument :
BNA_G
ClientSampleId :
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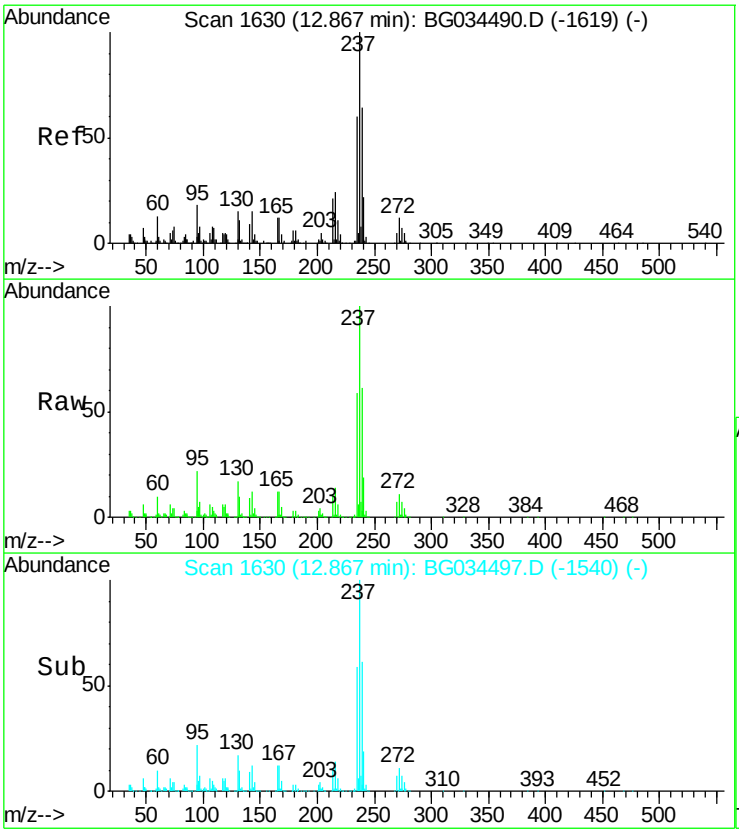
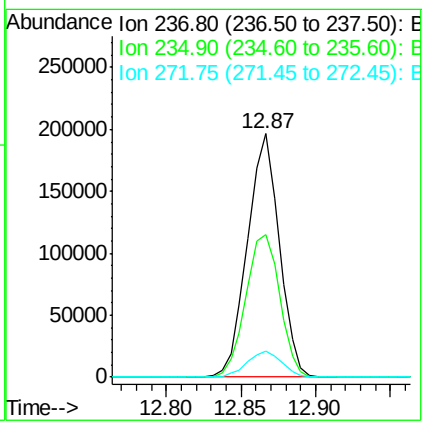
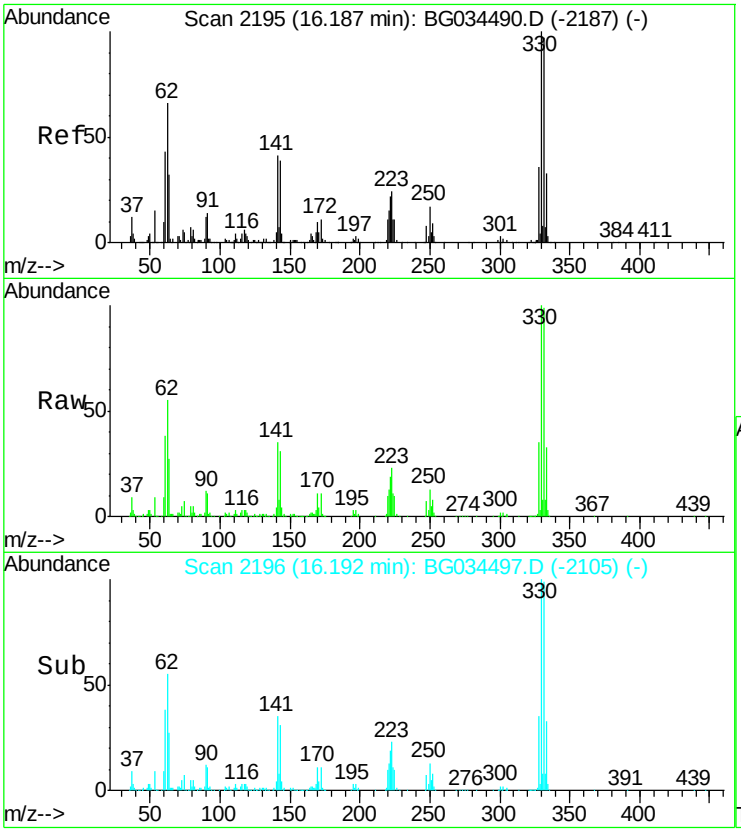


#40
Hexachlorocyclopentadiene
Concen: 72.837 ng
RT: 12.87 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:237 Resp: 288959

Ion	Ratio	Lower	Upper
237	100		
235	58.7	50.4	90.4
272	10.6	0.0	31.8





#41
2,4,6-Tribromophenol
Concen: 131.587 ng
RT: 16.19 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:330 Resp: 305510

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	39.0	25.2	37.8#

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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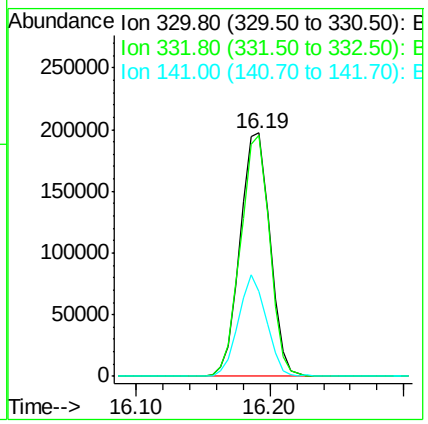
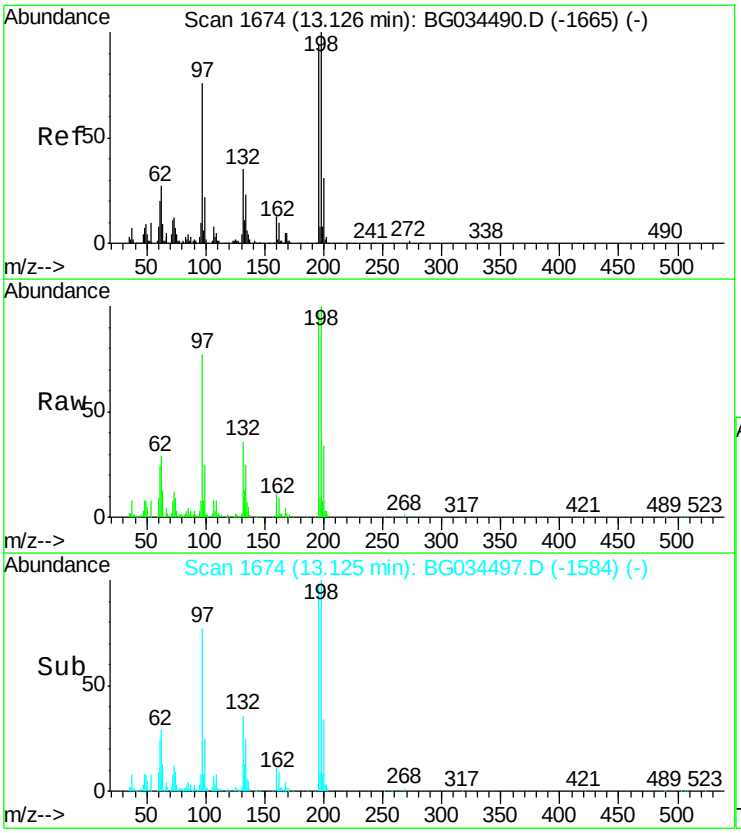
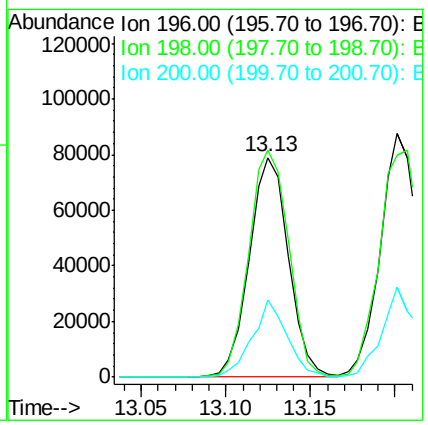


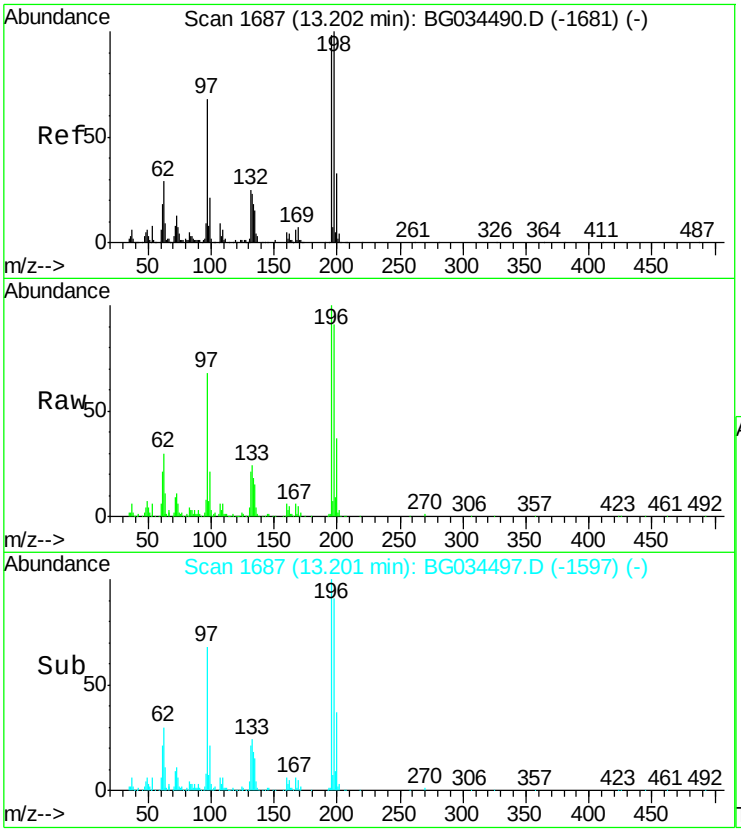


#42
2,4,6-Trichlorophenol
Concen: 40.449 ng
RT: 13.13 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:196 Resp: 127489

Ion	Ratio	Lower	Upper
196	100		
198	103.5	78.2	117.2
200	35.0	24.6	36.8

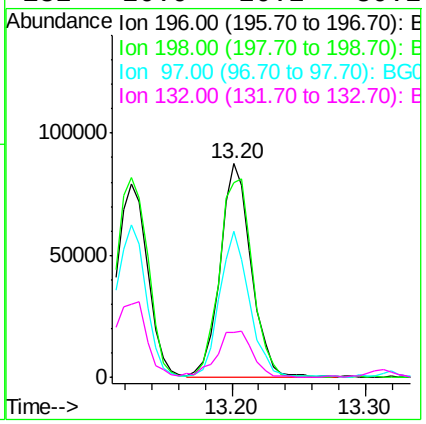




#43
2,4,5-Trichlorophenol
Concen: 40.918 ng
RT: 13.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:196 Resp: 141508

Ion	Ratio	Lower	Upper
196	100		
198	91.0	76.2	114.4
97	68.4	38.7	58.1#
132	20.9	20.2	30.2



Instrument :
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ClientSampleId :
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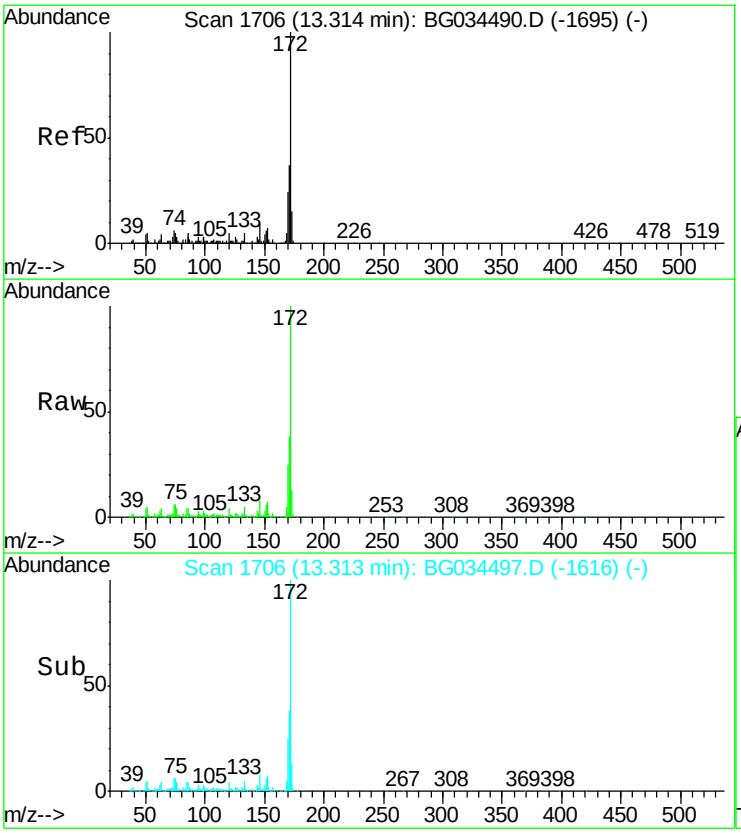
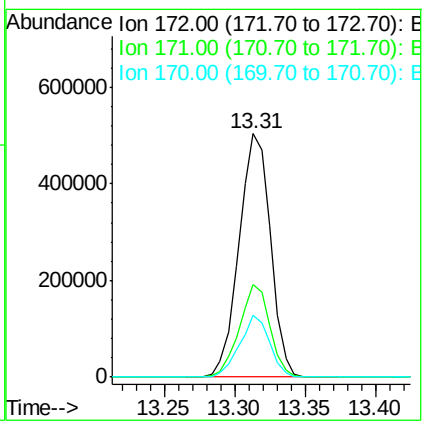
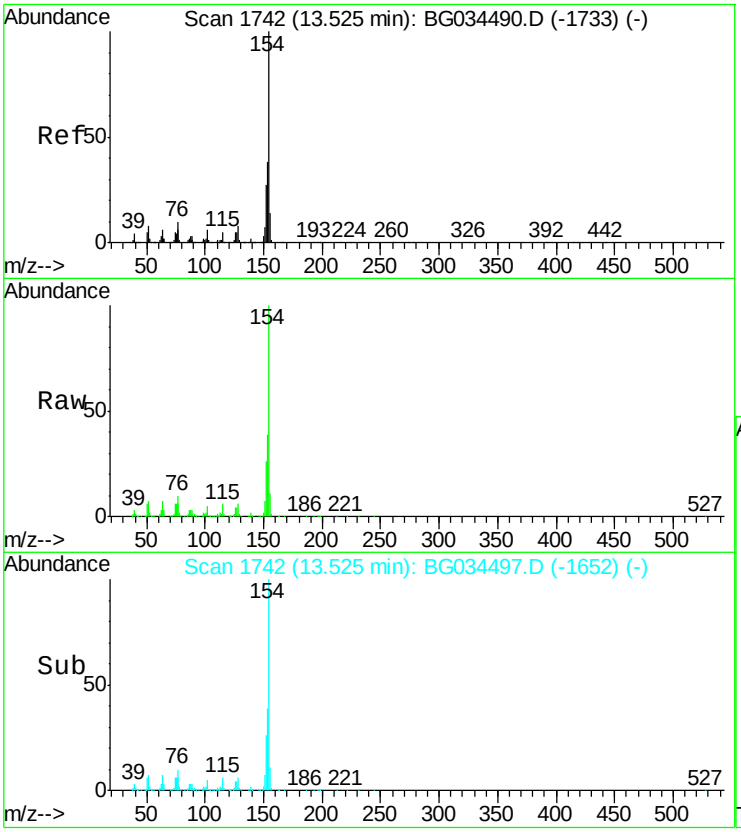


#44
2-Fluorobiphenyl
Concen: 79.058 ng
RT: 13.31 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:172 Resp: 785014

Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	25.3	19.5	29.3

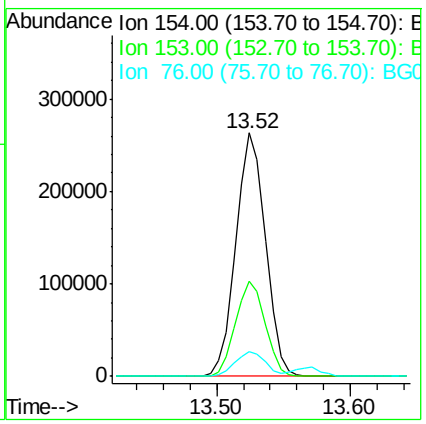




#45
1,1'-Biphenyl
Concen: 37.879 ng
RT: 13.52 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:154 Resp: 402167

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.8	59.8
76	10.1	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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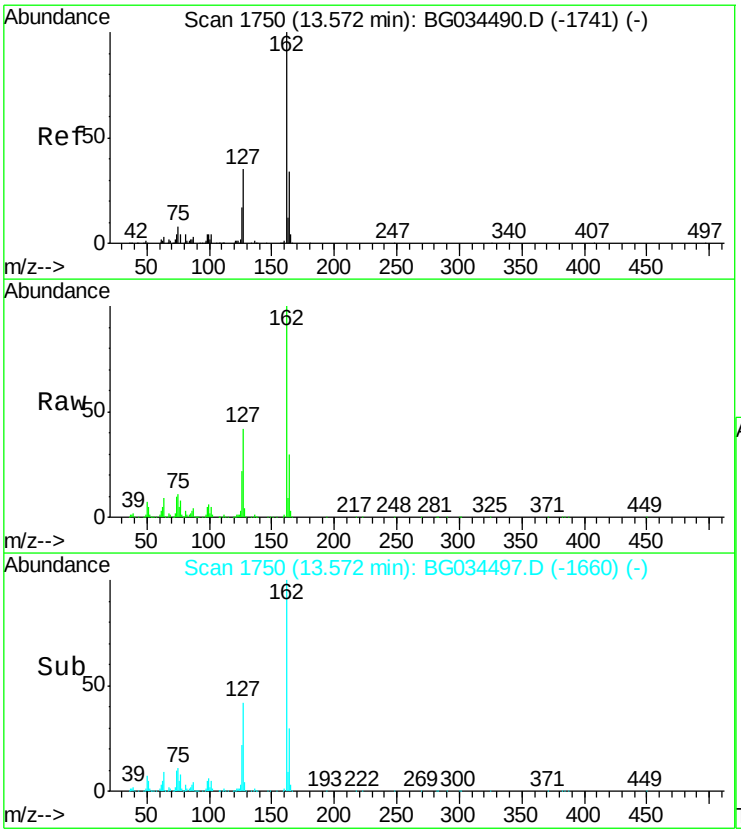
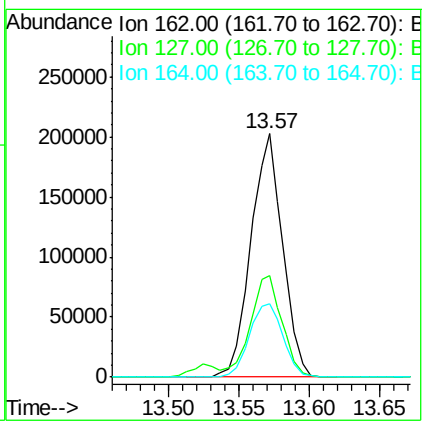
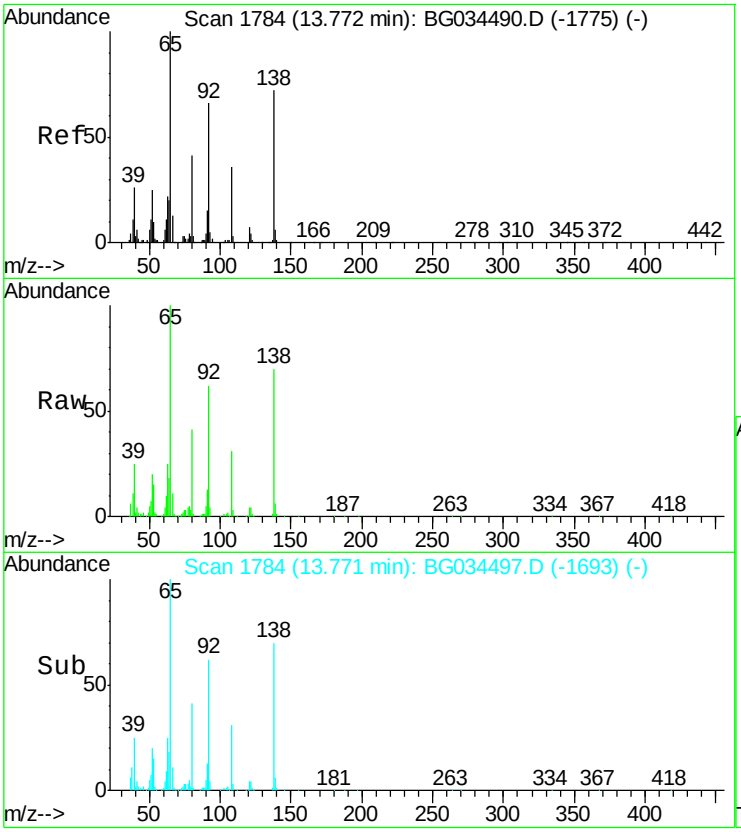


#46
2-Chloronaphthalene
Concen: 38.160 ng
RT: 13.57 min Scan# 1750
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:162 Resp: 318914

Ion	Ratio	Lower	Upper
162	100		
127	41.6	30.7	46.1
164	29.9	26.0	39.0





#47
2-Nitroaniline
Concen: 41.166 ng
RT: 13.77 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 65 Resp: 140554

Ion	Ratio	Lower	Upper
65	100		
92	61.8	54.6	82.0
138	69.9	72.9	109.3#

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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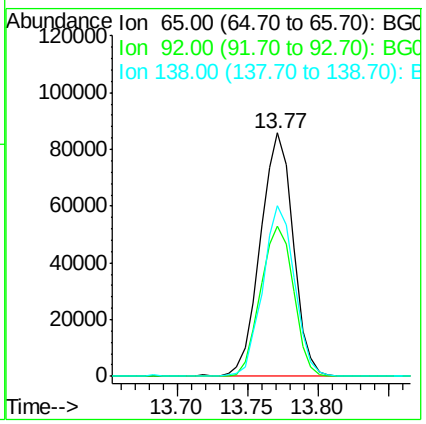
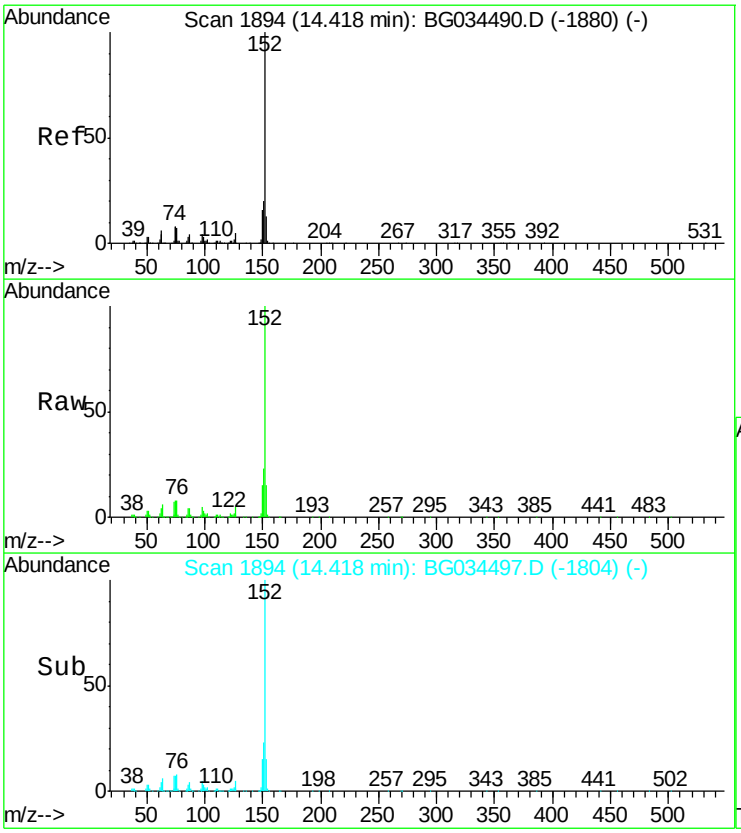
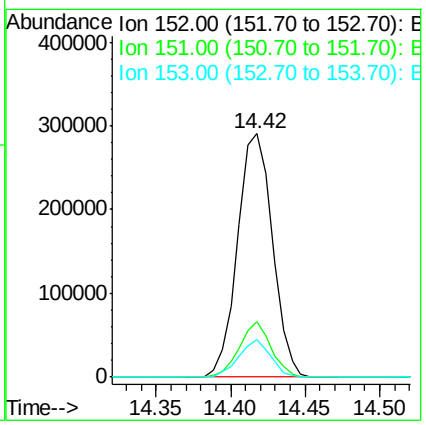


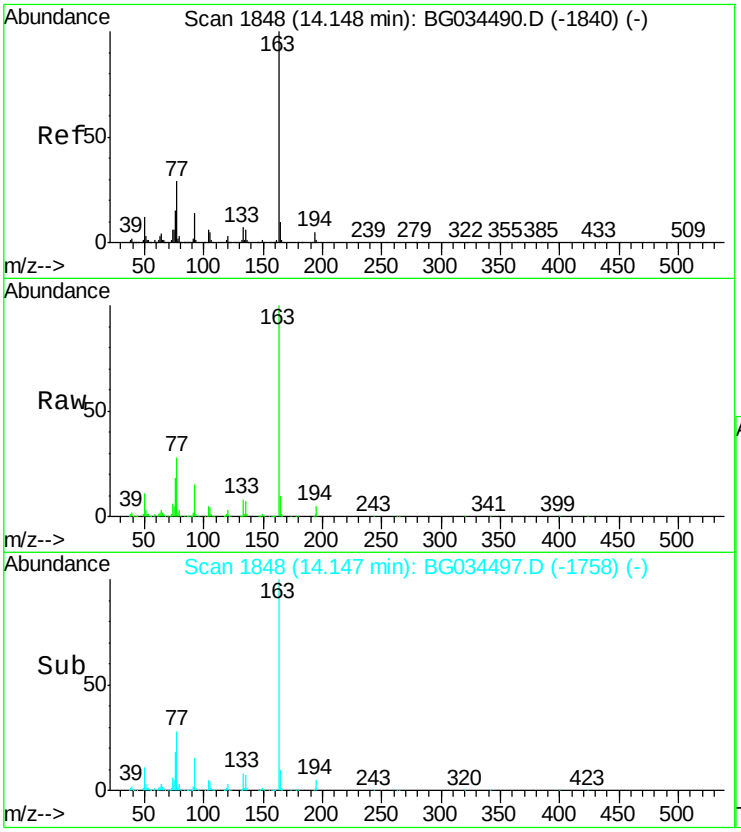


#48
Acenaphthylene
Concen: 36.812 ng
RT: 14.42 min Scan# 1894
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:152 Resp: 470821

Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.2	25.8
153	15.2	10.2	15.4

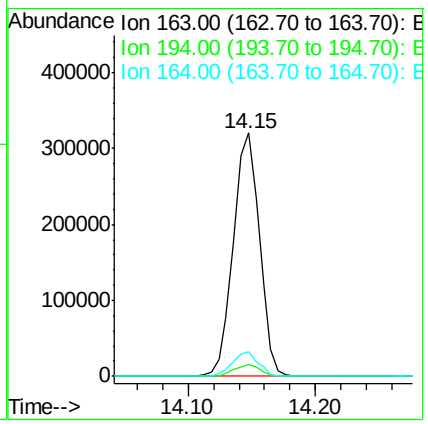




#49
Dimethylphthalate
Concen: 39.117 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:163 Resp: 455164

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.1	8.2	12.4



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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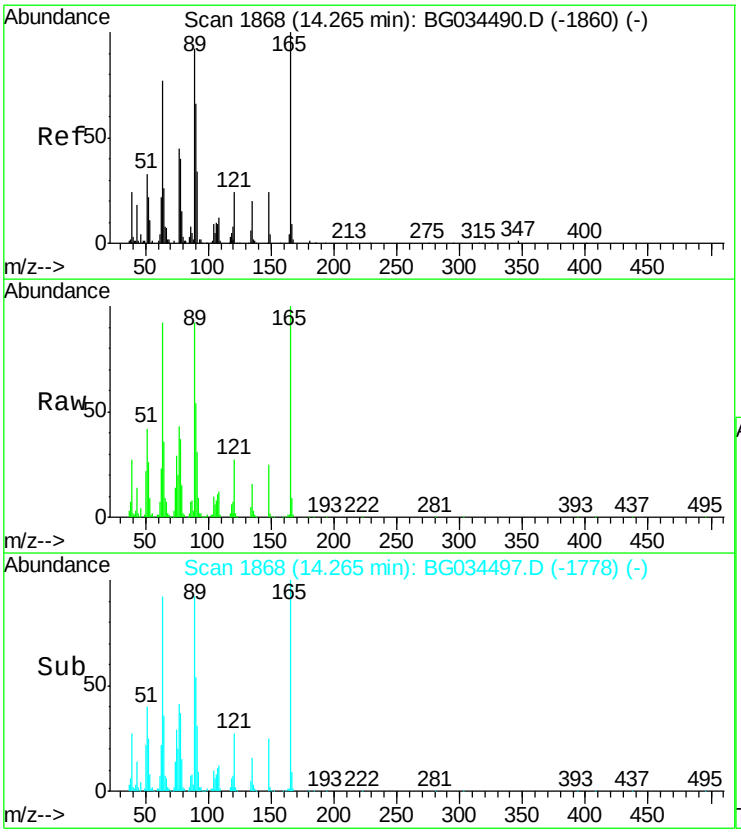
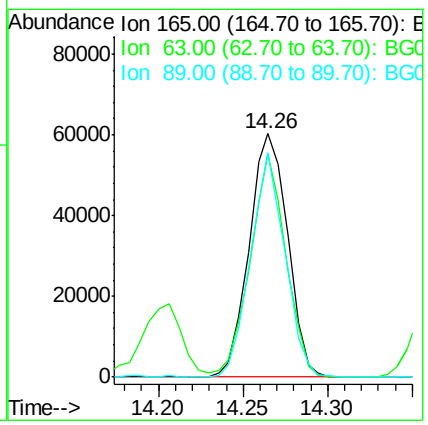
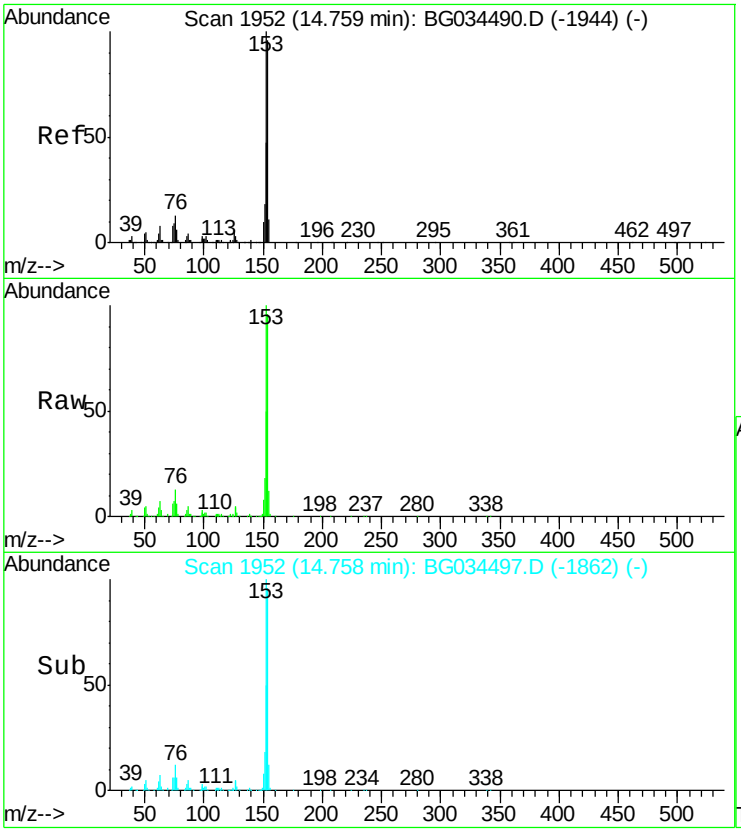


#50
2,6-Dinitrotoluene
Concen: 39.710 ng
RT: 14.26 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:165 Resp: 94756

Ion	Ratio	Lower	Upper
165	100		
63	91.9	52.7	79.1#
89	92.1	49.2	73.8#

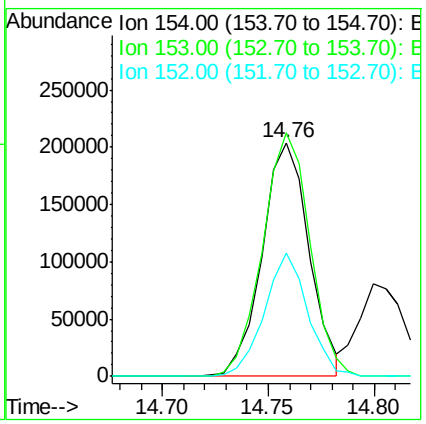




#51
Acenaphthene
Concen: 38.005 ng
RT: 14.76 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:154 Resp: 315124

Ion	Ratio	Lower	Upper
154	100		
153	104.2	90.4	135.6
152	52.5	41.6	62.4



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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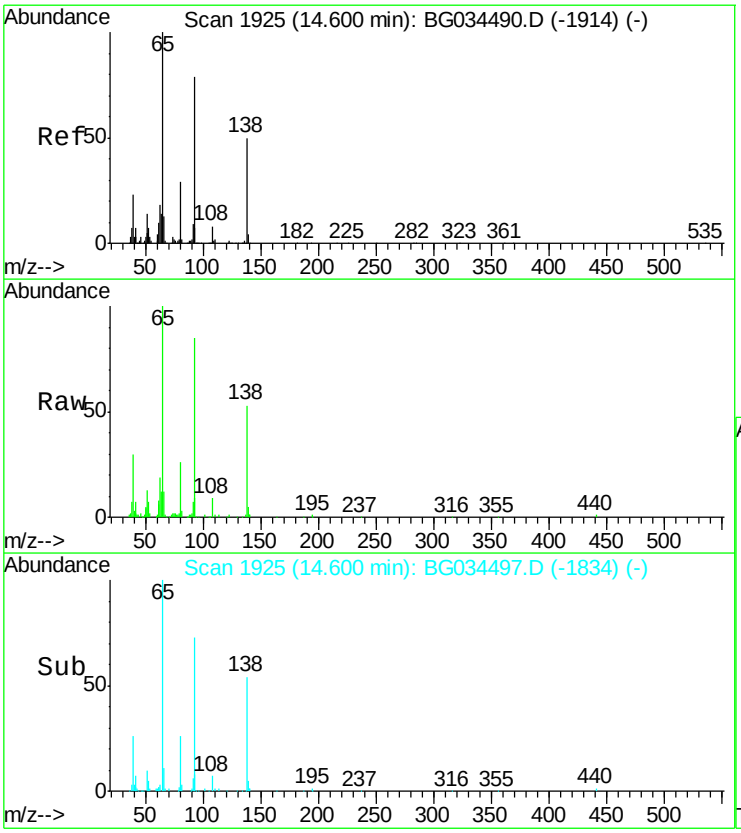
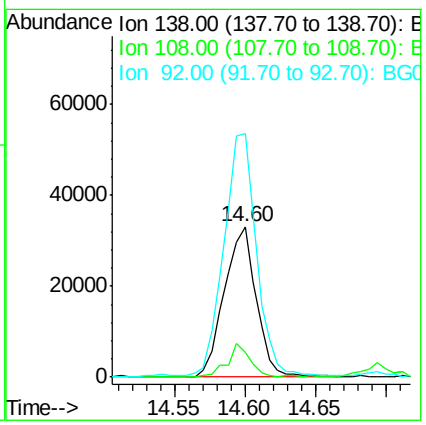
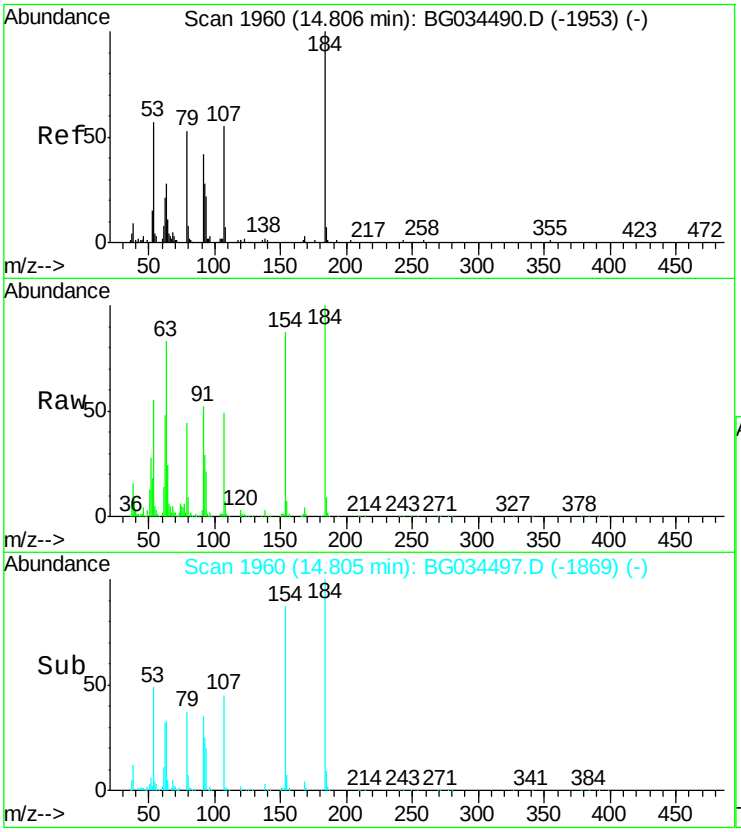


#52
3-Nitroaniline
Concen: 23.655 ng
RT: 14.60 min Scan# 1925
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:138 Resp: 52170

Ion	Ratio	Lower	Upper
138	100		
108	16.3	17.5	26.3#
92	161.6	105.8	158.8#





#53
2,4-Dinitrophenol
Concen: 85.927 ng
RT: 14.81 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:184 Resp: 134895

Ion	Ratio	Lower	Upper
184	100		
63	83.0	59.8	89.8
154	87.1	101.8	152.8#

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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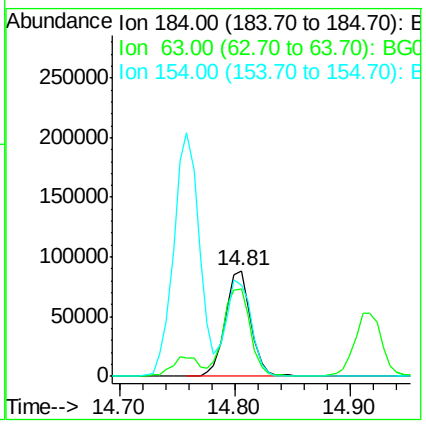
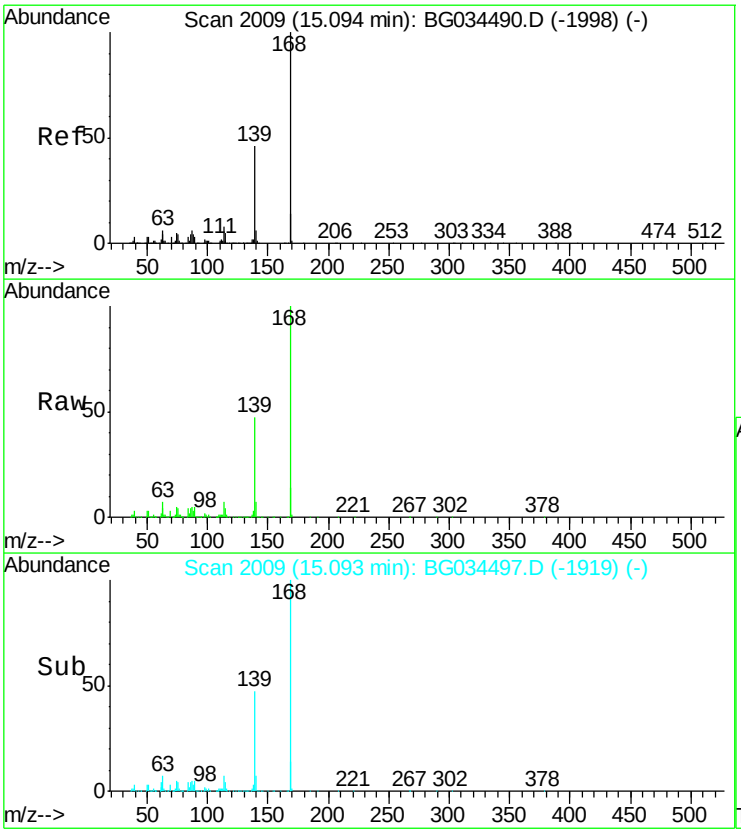
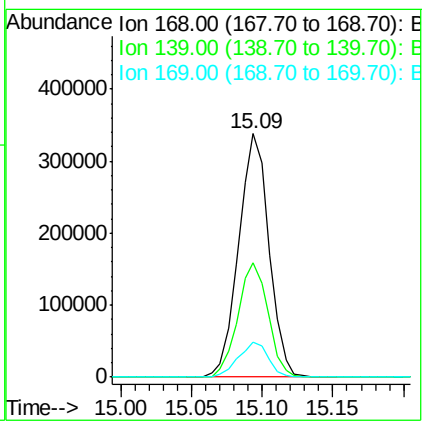


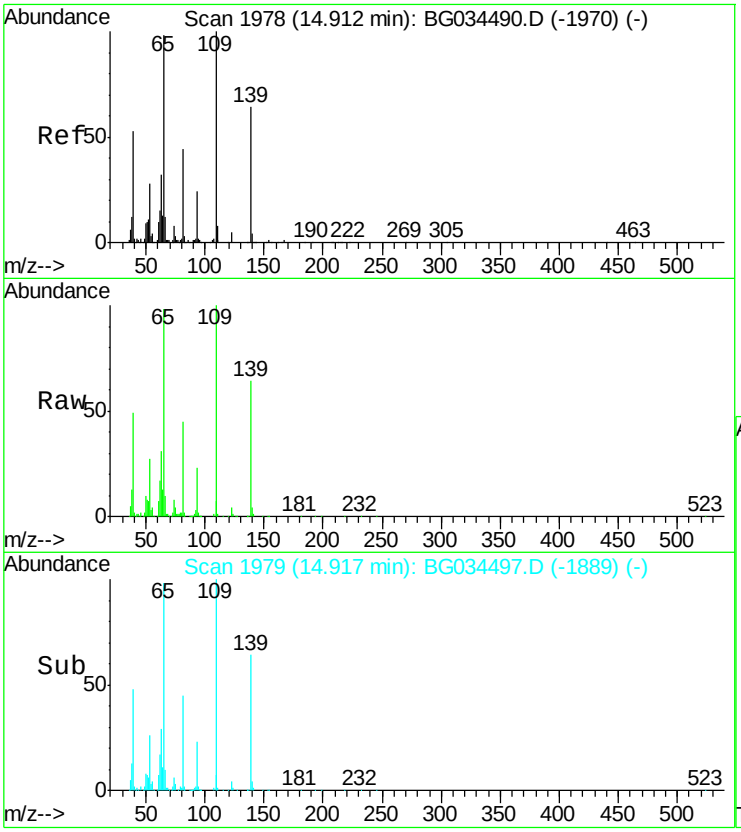


#54
Dibenzofuran
Concen: 37.247 ng
RT: 15.09 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:168 Resp: 506604

Ion	Ratio	Lower	Upper
168	100		
139	47.0	28.6	43.0#
169	14.4	11.2	16.8





#55
4-Nitrophenol
Concen: 85.448 ng
RT: 14.92 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:139 Resp: 165604

Ion	Ratio	Lower	Upper
139	100		
109	156.1	62.2	102.2#
65	152.6	97.2	137.2#

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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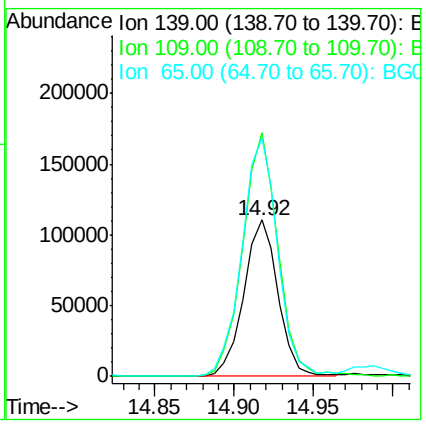
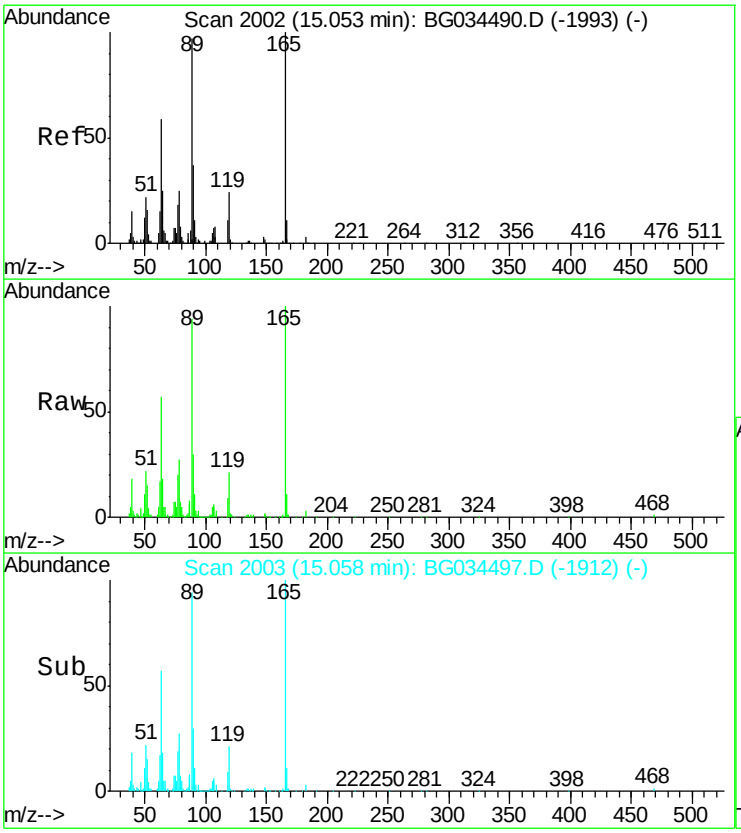
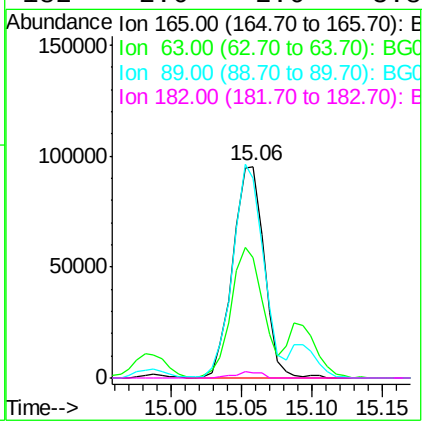


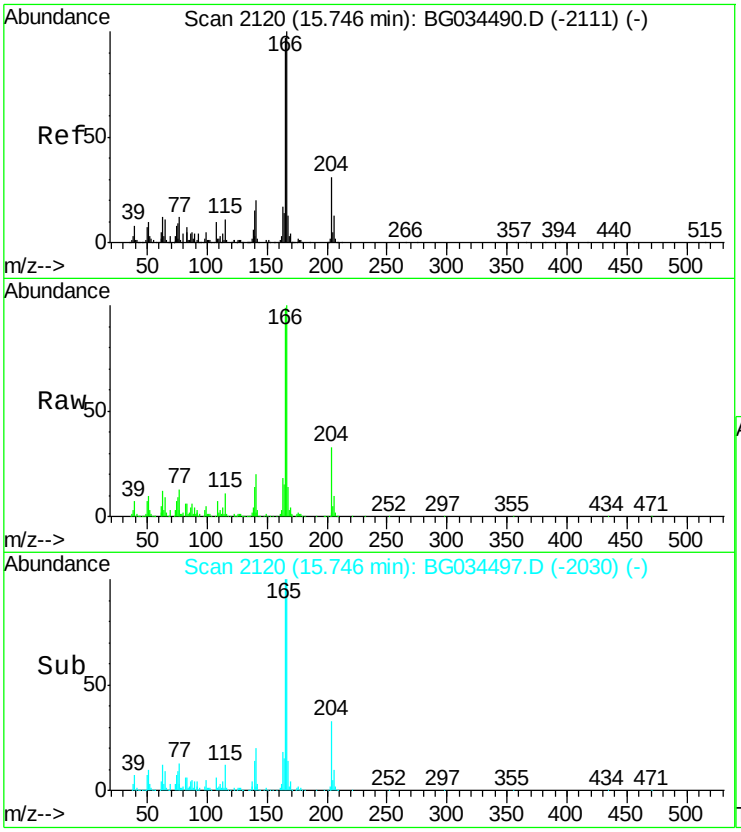


#56
2,4-Dinitrotoluene
Concen: 41.778 ng
RT: 15.06 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:165 Resp: 147982

Ion	Ratio	Lower	Upper
165	100		
63	57.1	42.0	63.0
89	94.4	66.9	100.3
182	2.6	2.6	3.8

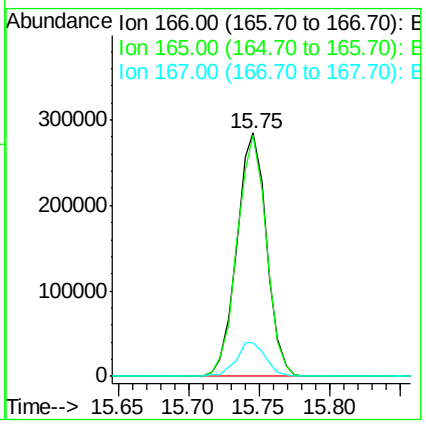




#57
Fluorene
Concen: 39.321 ng
RT: 15.75 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:166 Resp: 417401

Ion	Ratio	Lower	Upper
166	100		
165	98.8	80.6	121.0
167	13.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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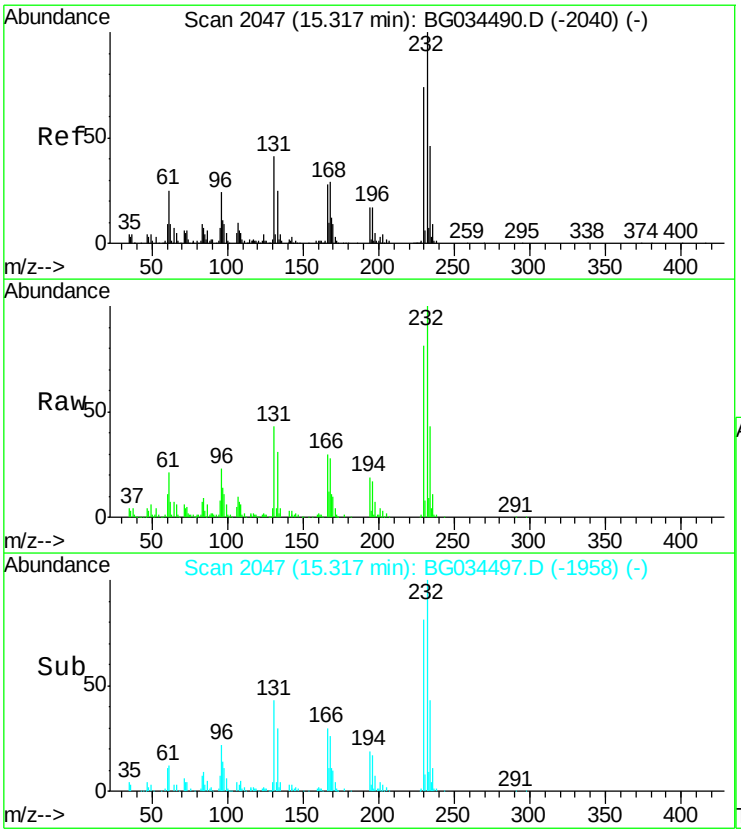
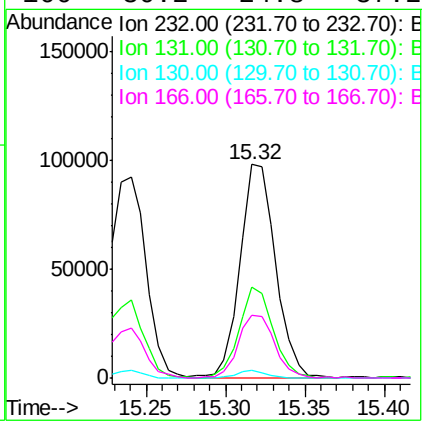
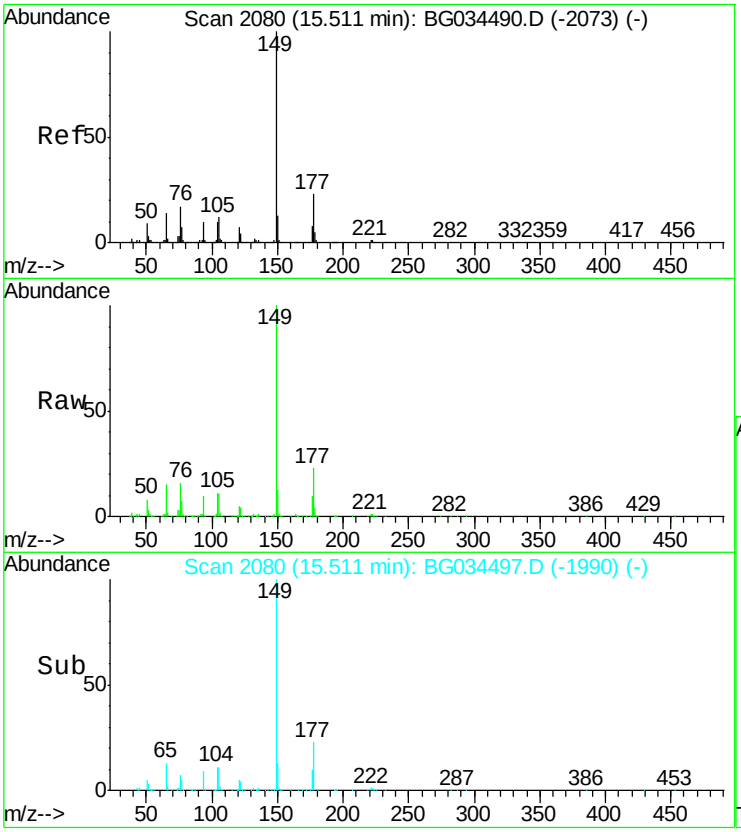


#58
2,3,4,6-Tetrachlorophenol
Concen: 40.589 ng
RT: 15.32 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:232 Resp: 153126

Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.5	50.3
130	2.9	2.2	3.2
166	30.2	24.8	37.2

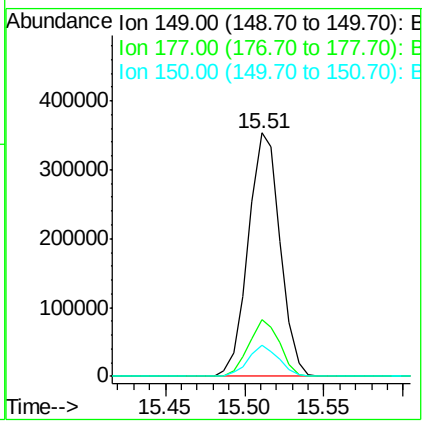




#59
Diethylphthalate
Concen: 40.659 ng
RT: 15.51 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:149 Resp: 492027

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.5	27.7
150	12.8	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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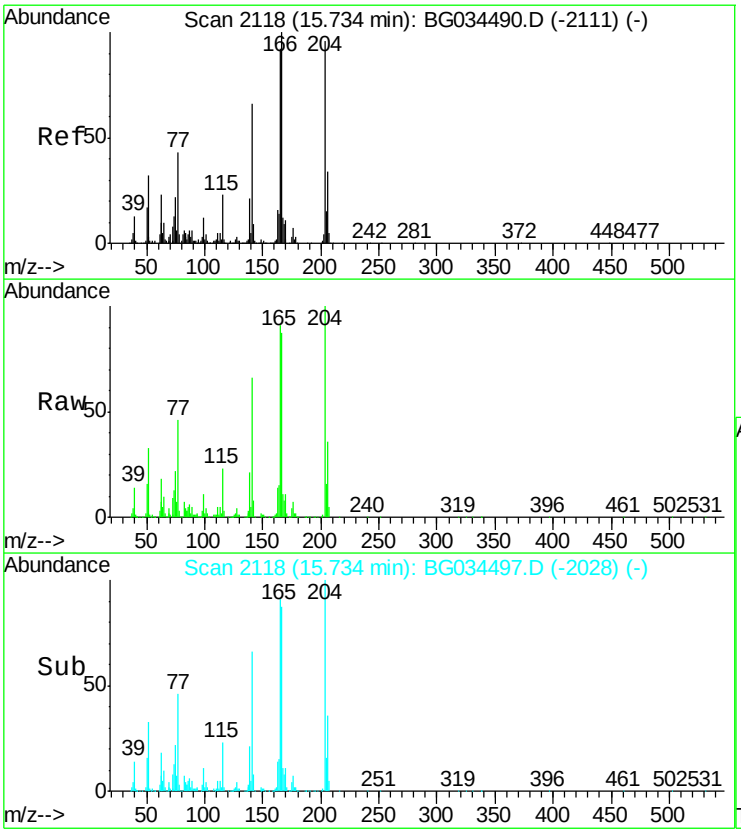
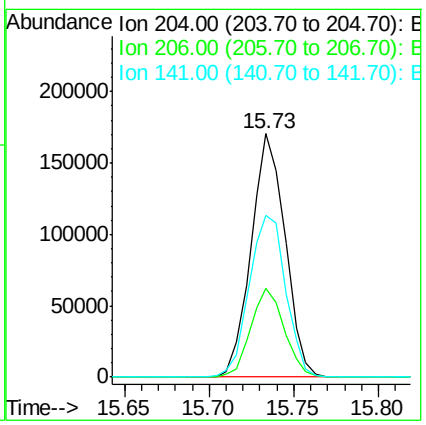
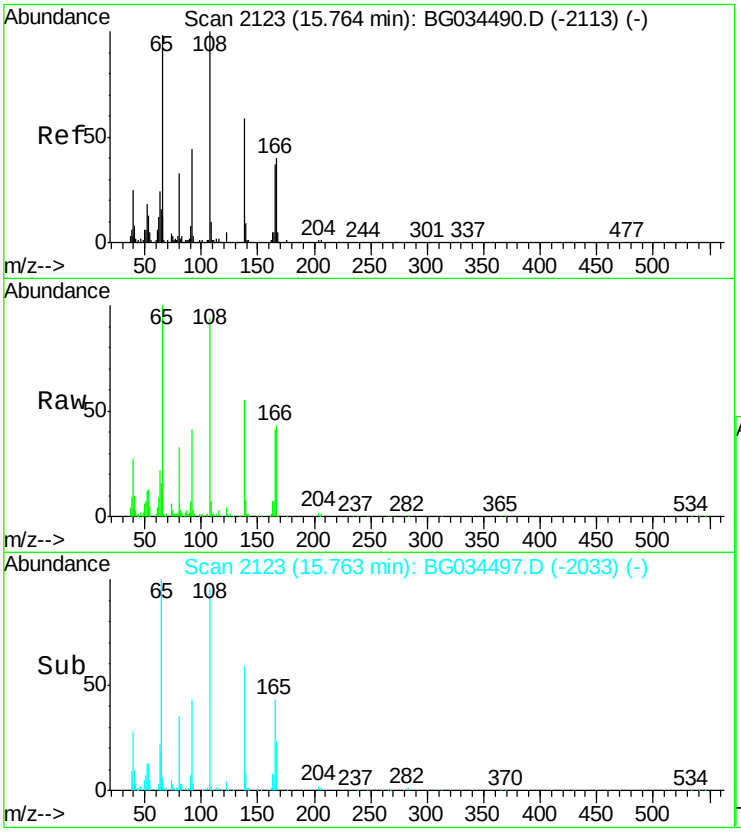


#60
4-Chlorophenyl-phenylether
Concen: 37.837 ng
RT: 15.73 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:204 Resp: 238514

Ion	Ratio	Lower	Upper
204	100		
206	36.4	26.2	39.2
141	66.3	45.8	68.6

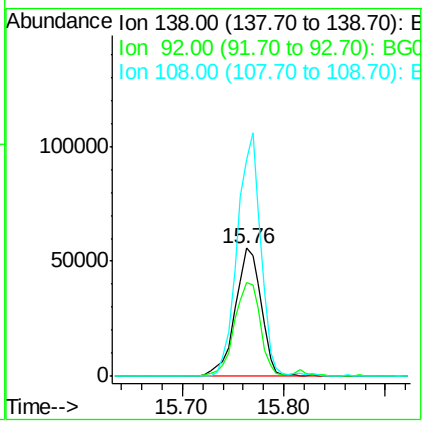




#61
4-Nitroaniline
Concen: 39.702 ng
RT: 15.76 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:138 Resp: 99263

Ion	Ratio	Lower	Upper
138	100		
92	73.5	40.1	80.1
108	169.8	65.4	105.4#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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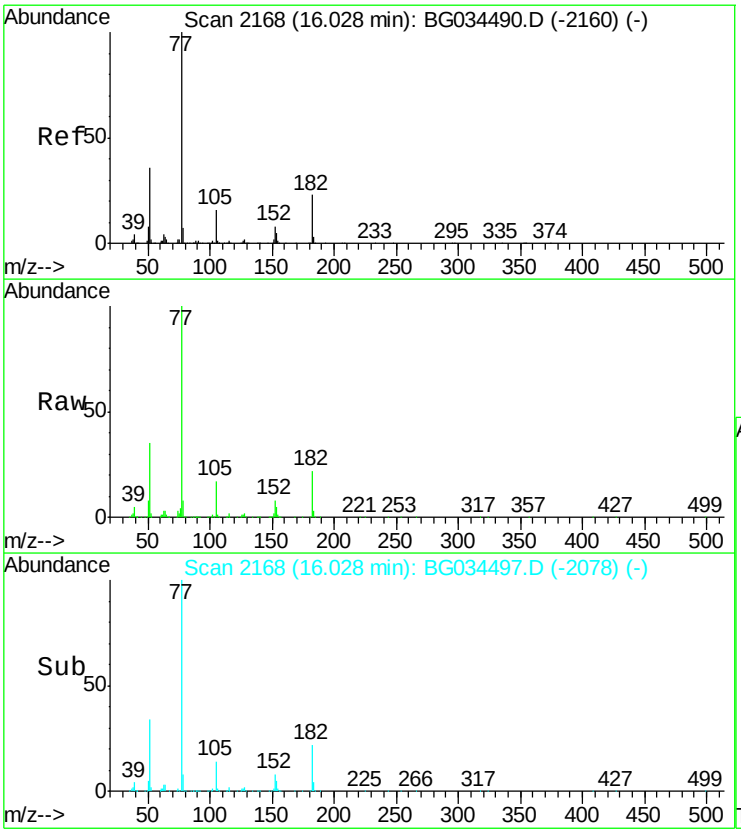
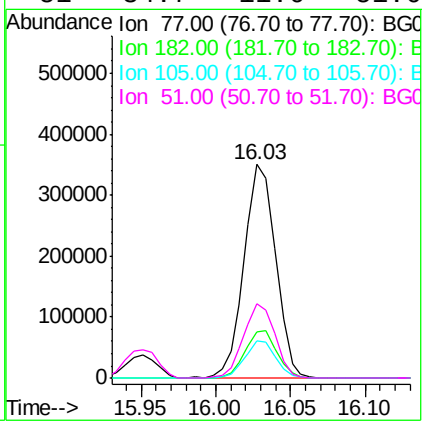
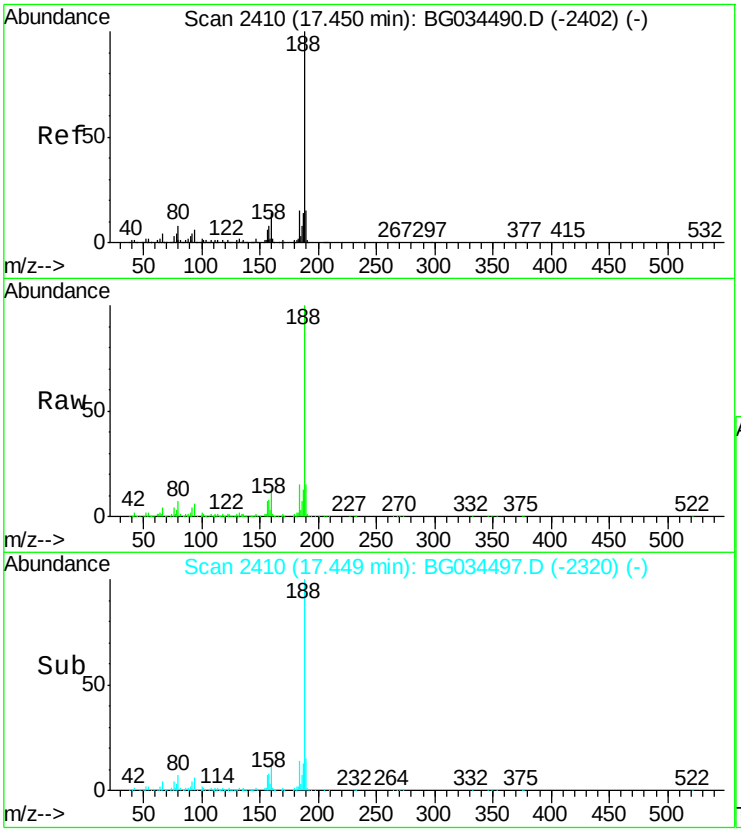


#62
Azobenzene
Concen: 39.880 ng
RT: 16.03 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion: 77 Resp: 512314

Ion	Ratio	Lower	Upper
77	100		
182	21.7	7.4	47.4
105	17.4	0.3	40.3
51	34.7	11.6	51.6

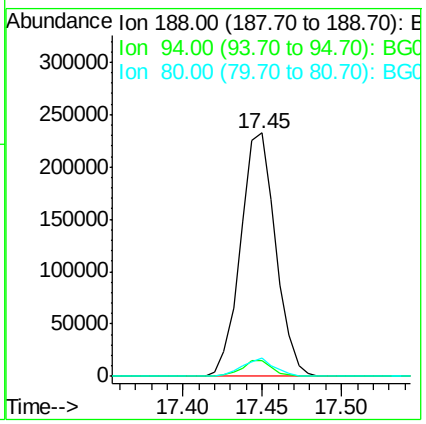




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2410
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:188 Resp: 355629

Ion	Ratio	Lower	Upper
188	100		
94	6.4	6.9	10.3#
80	7.5	7.7	11.5#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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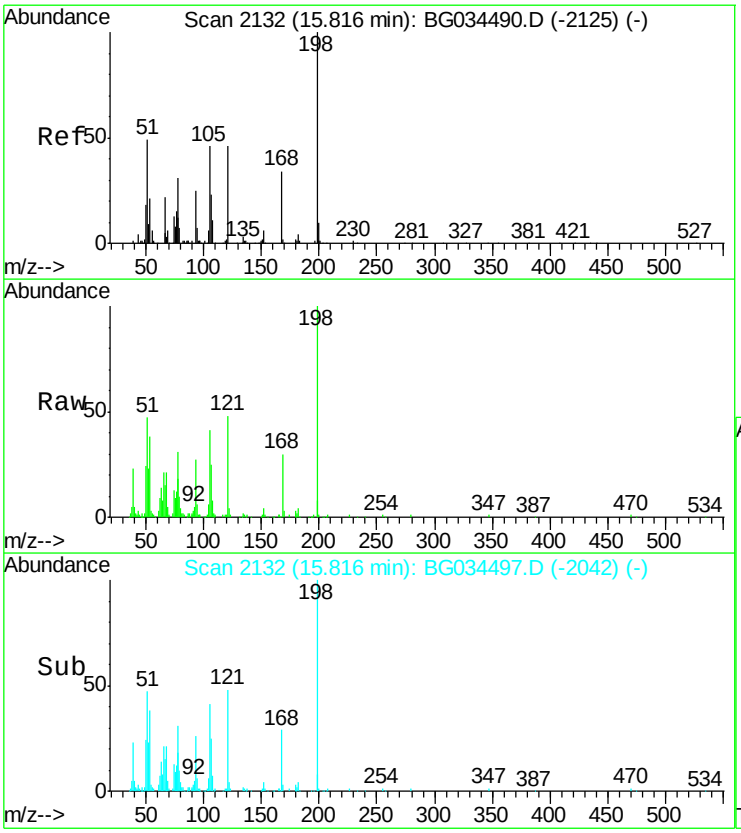
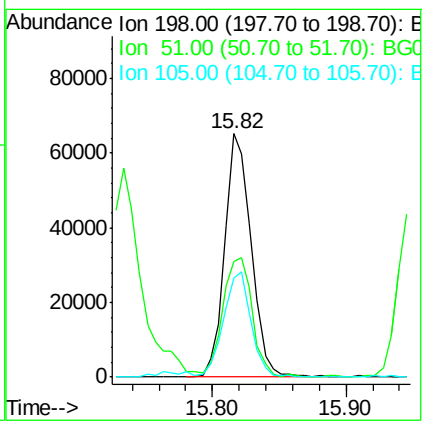
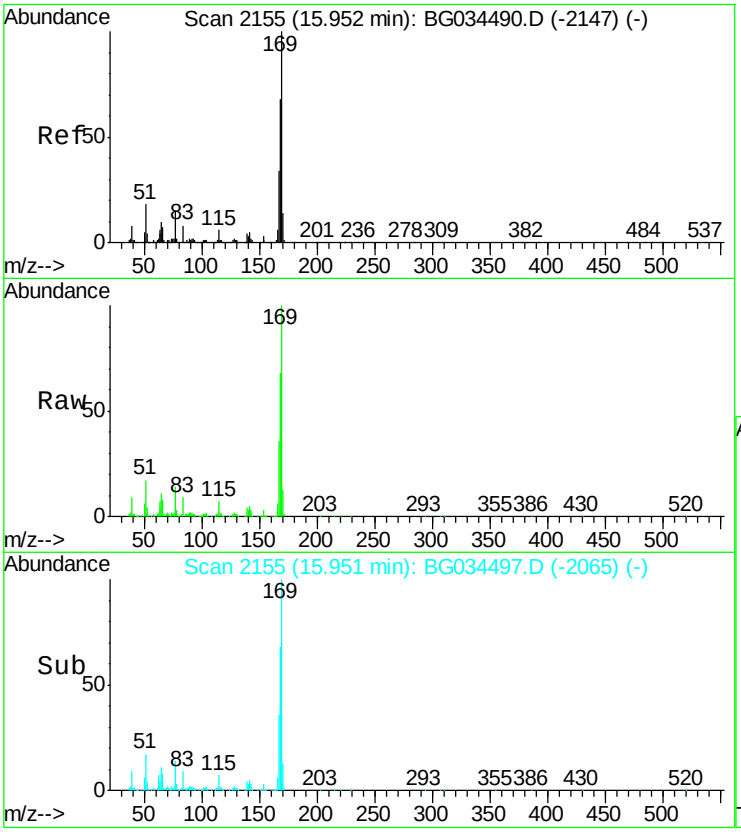


#64
4,6-Dinitro-2-methylphenol
Concen: 39.944 ng
RT: 15.82 min Scan# 2132
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:198 Resp: 91091

Ion	Ratio	Lower	Upper
198	100		
51	47.5	30.6	70.6
105	40.9	23.8	63.8

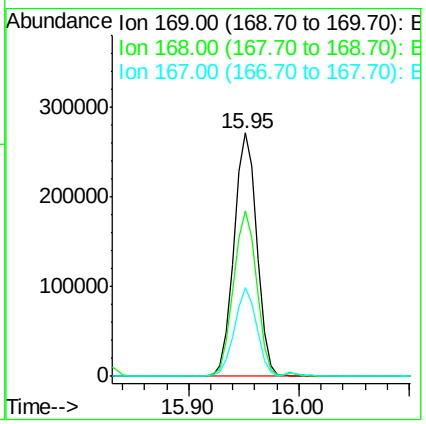




#65
n-Nitrosodiphenylamine
Concen: 37.941 ng
RT: 15.95 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:169 Resp: 394567

Ion	Ratio	Lower	Upper
169	100		
168	67.9	55.7	83.5
167	36.3	30.1	45.1



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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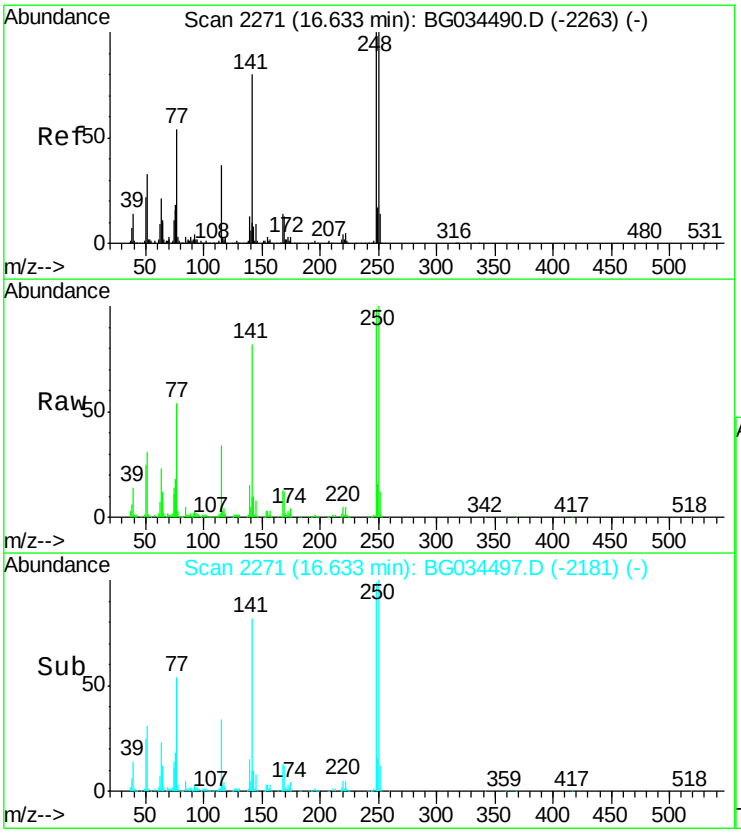
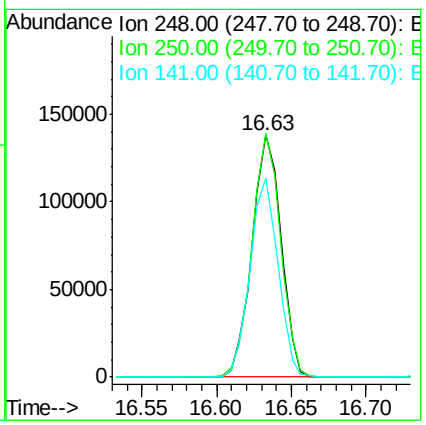
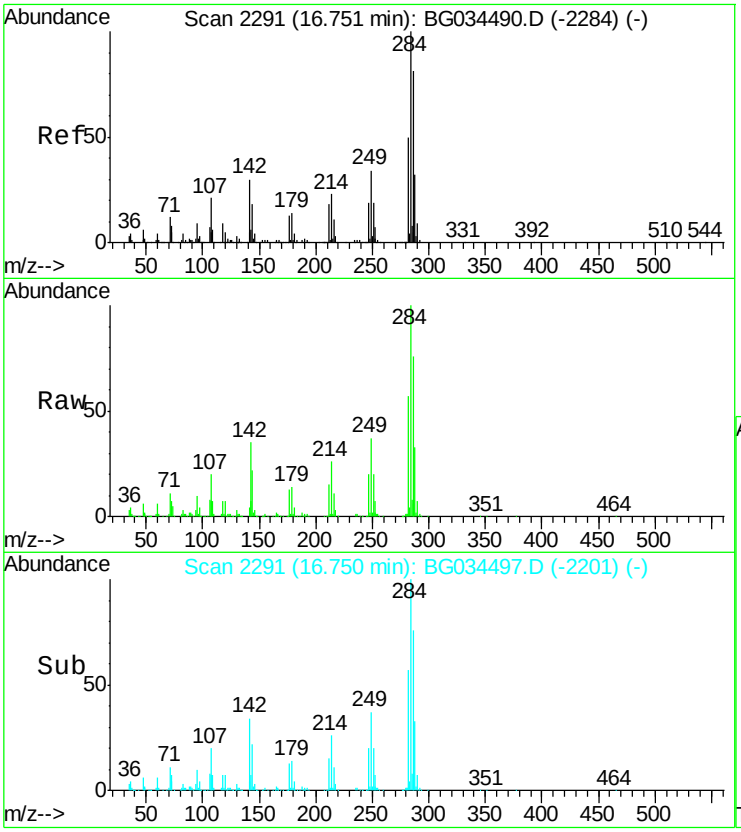


#66
4-Bromophenyl-phenylether
Concen: 39.495 ng
RT: 16.63 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:248 Resp: 184843

Ion	Ratio	Lower	Upper
248	100		
250	100.6	77.1	115.7
141	82.2	50.8	76.2#

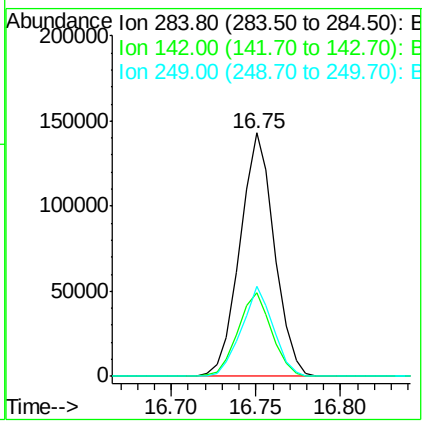




#67
Hexachlorobenzene
Concen: 39.210 ng
RT: 16.75 min Scan# 2291
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:284 Resp: 202785

Ion	Ratio	Lower	Upper
284	100		
142	34.6	26.8	40.2
249	36.9	26.3	39.5



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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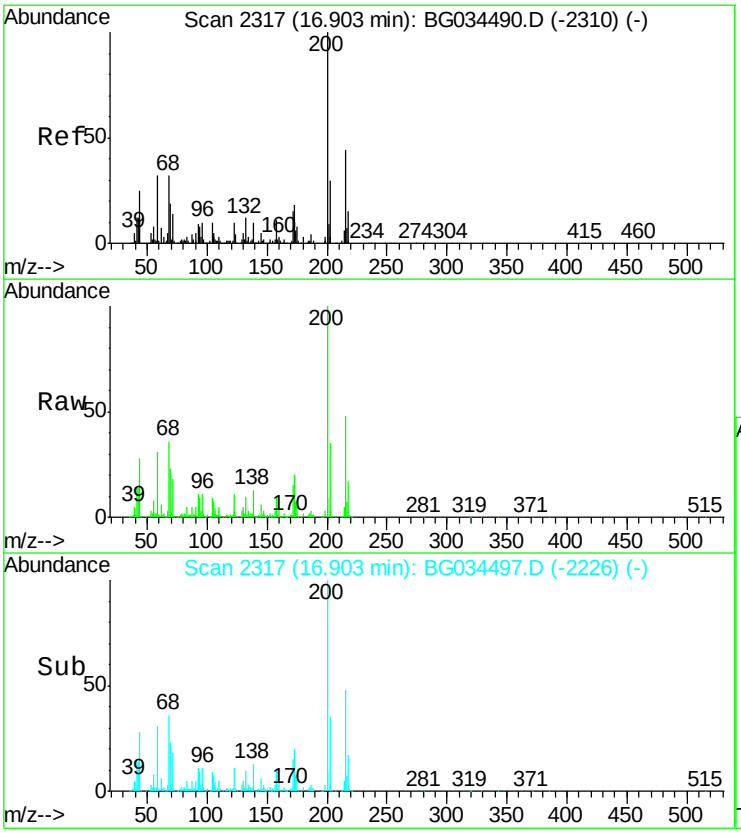
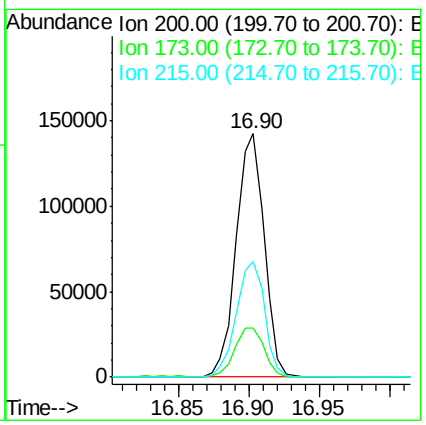
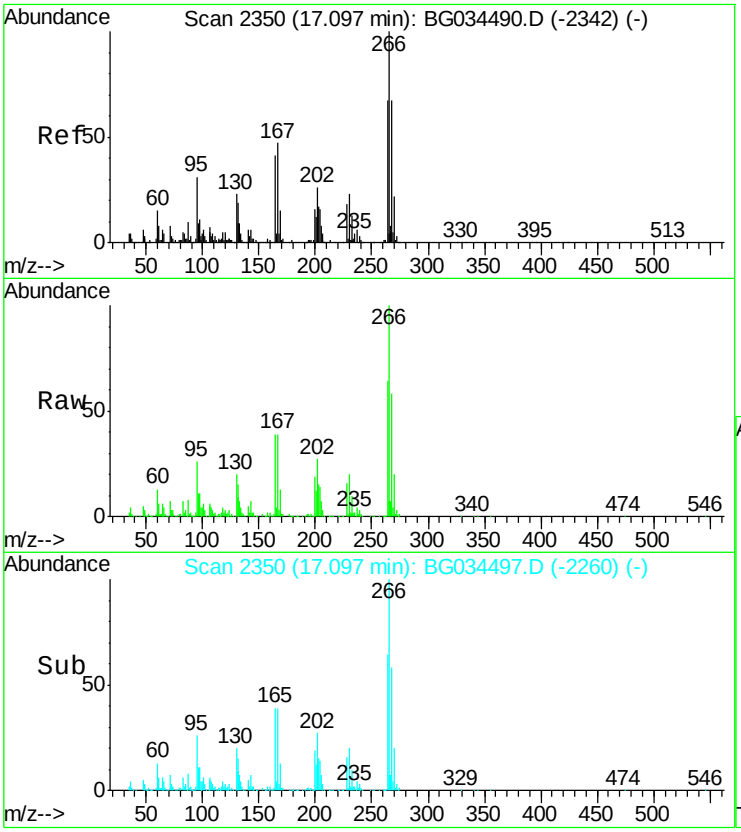


#68
Atrazine
Concen: 42.762 ng
RT: 16.90 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:200 Resp: 197086

Ion	Ratio	Lower	Upper
200	100		
173	20.4	5.2	45.2
215	47.6	30.4	70.4

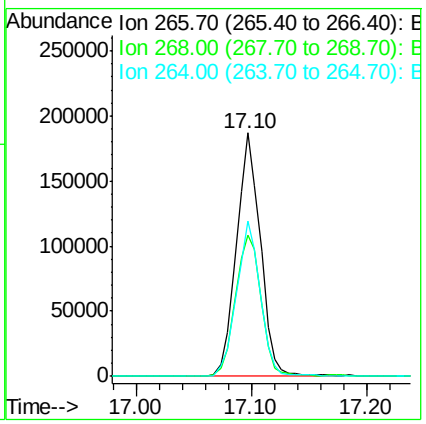




#69
Pentachlorophenol
Concen: 86.218 ng
RT: 17.10 min Scan# 2350
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:266 Resp: 268905

Ion	Ratio	Lower	Upper
266	100		
268	58.2	51.1	76.7
264	63.8	49.6	74.4



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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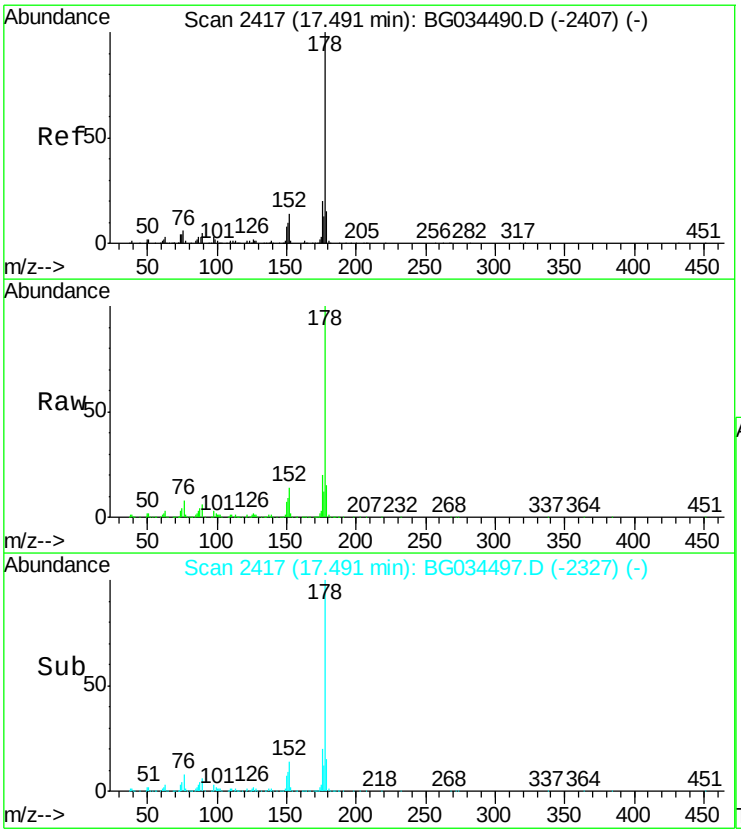
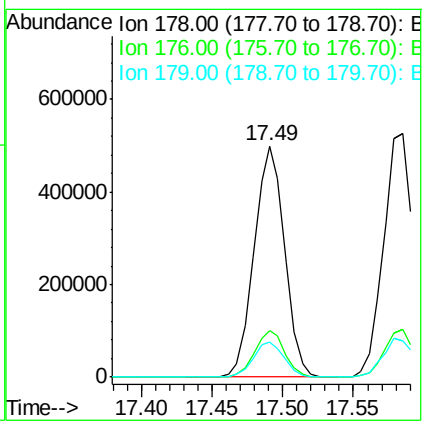
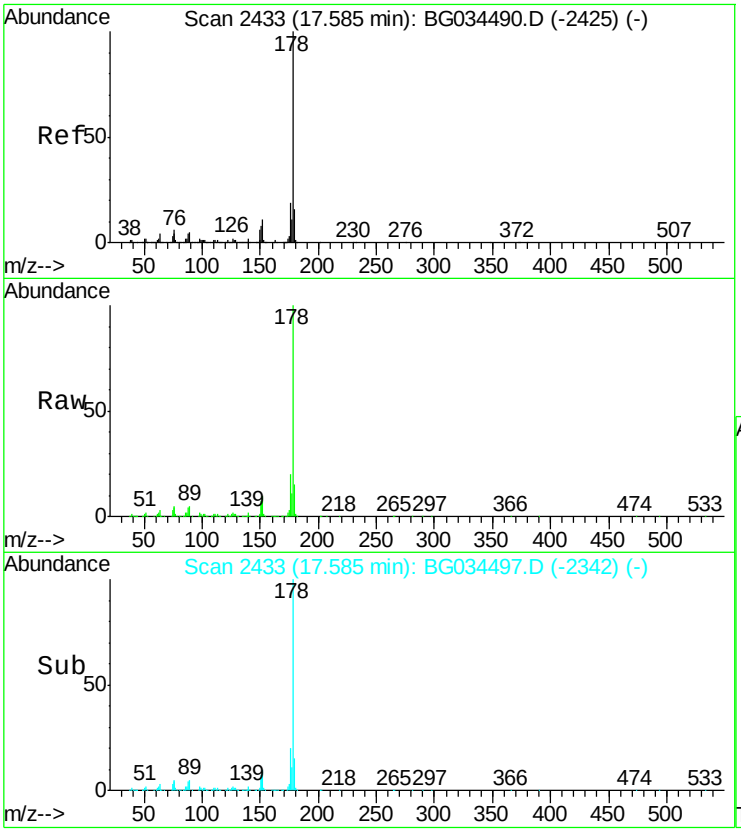


#70
Phenanthrene
Concen: 39.063 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:178 Resp: 756636

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.2	12.5	18.7

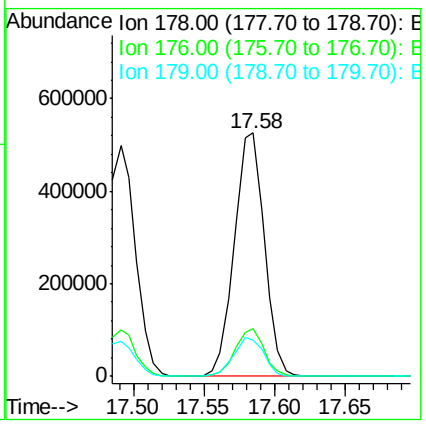




#71
Anthracene
Concen: 39.816 ng
RT: 17.58 min Scan# 2433
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:178 Resp: 781469

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.0	24.0
179	14.7	12.5	18.7



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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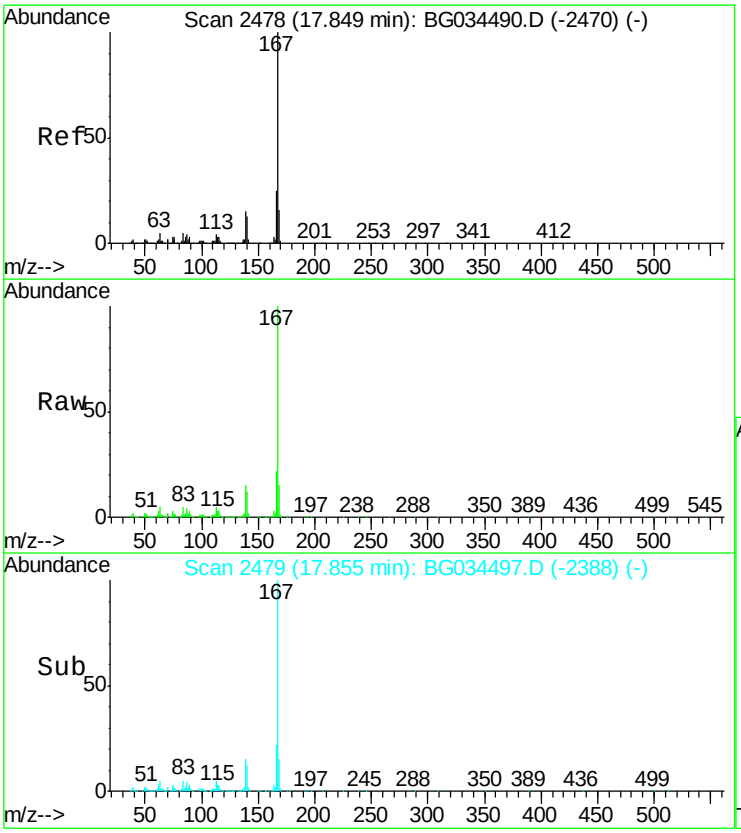
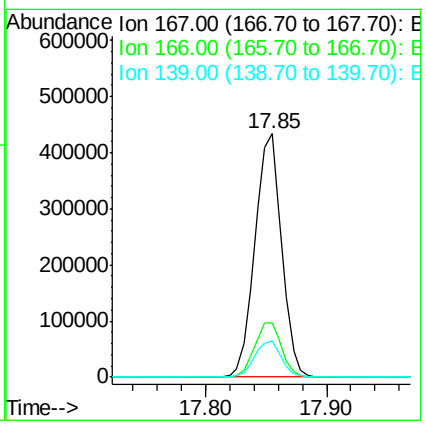
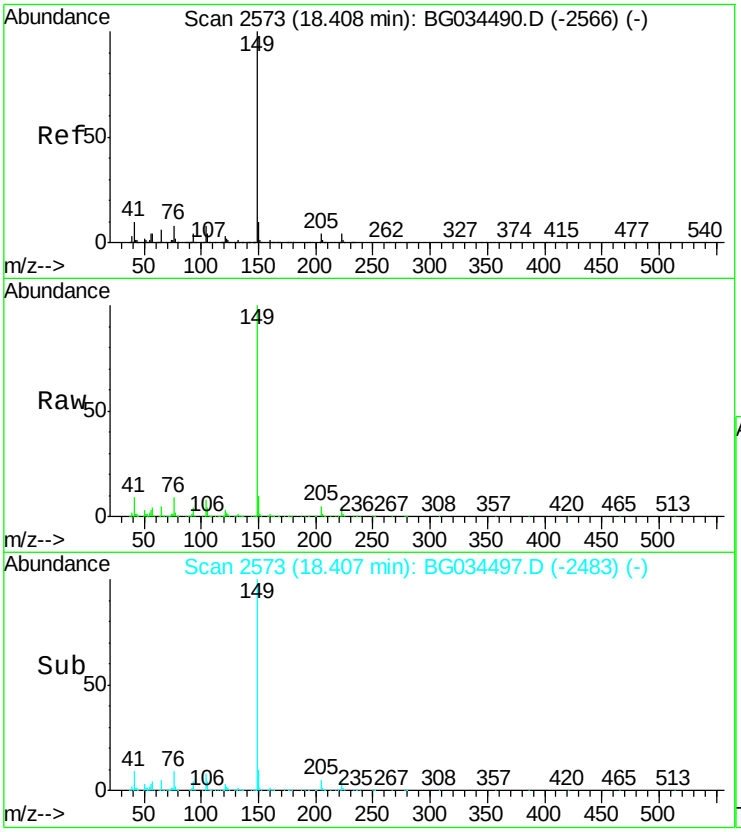


#72
Carbazole
Concen: 40.969 ng
RT: 17.85 min Scan# 2479
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:167 Resp: 665451

Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.2	27.4
139	14.6	9.4	14.2#





#73
Di-n-butylphthalate
Concen: 41.816 ng
RT: 18.41 min Scan# 2573
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:149 Resp: 840928

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.8	11.6
104	8.2	3.9	5.9#

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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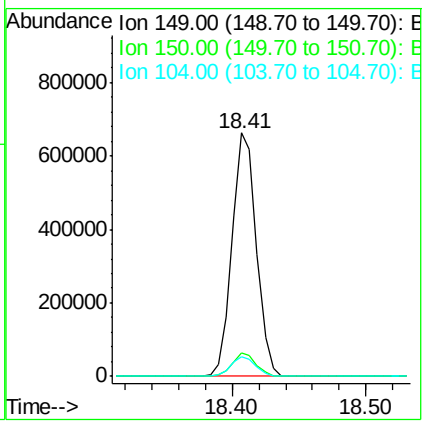
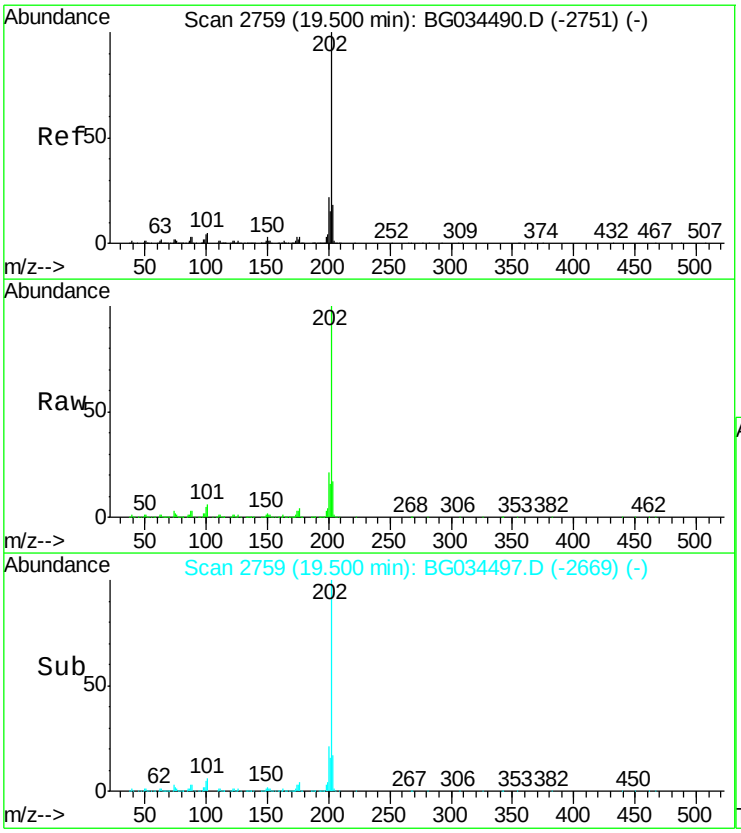
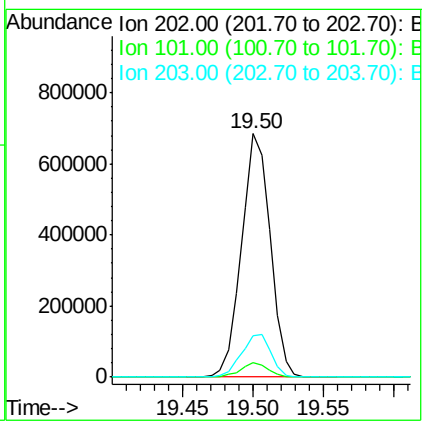


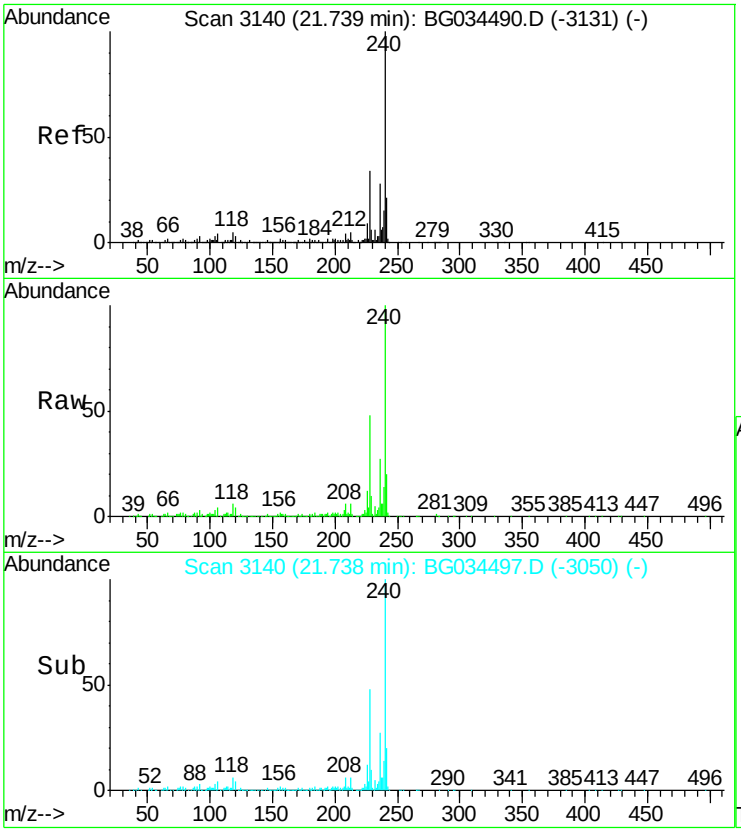


#74
Fluoranthene
Concen: 40.962 ng
RT: 19.50 min Scan# 2759
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:202 Resp: 975100

Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	28.9
203	17.1	0.0	37.5

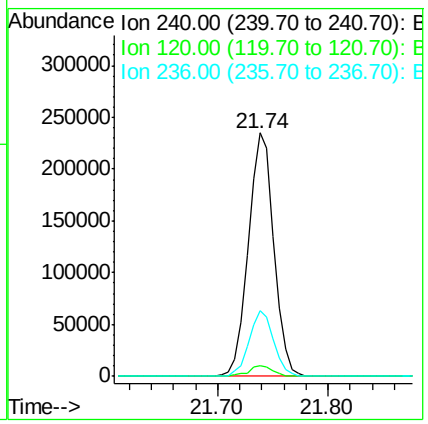




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:240 Resp: 379011

Ion	Ratio	Lower	Upper
240	100		
120	4.4	6.8	10.2#
236	27.2	20.9	31.3



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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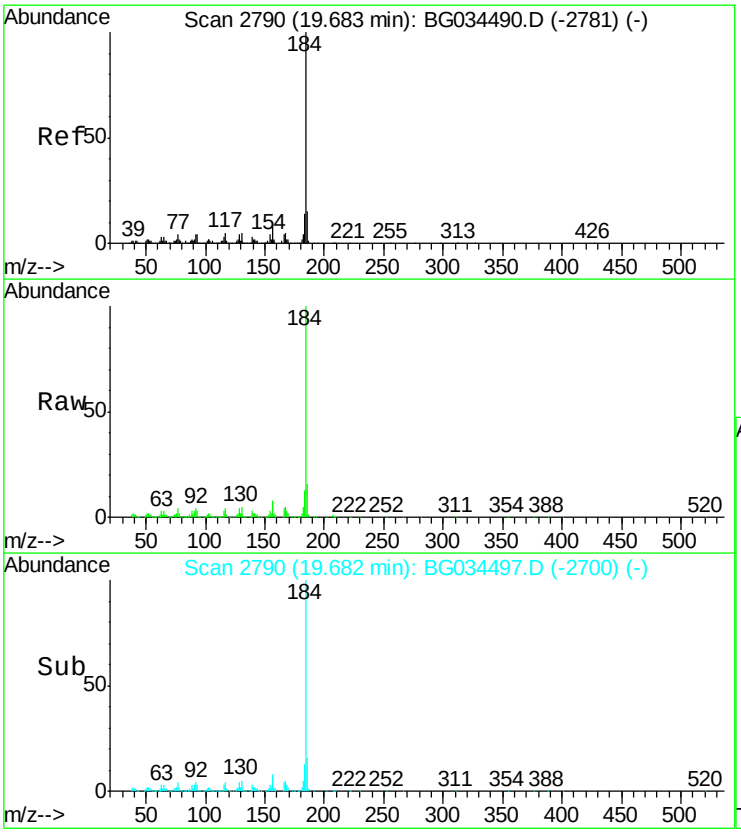
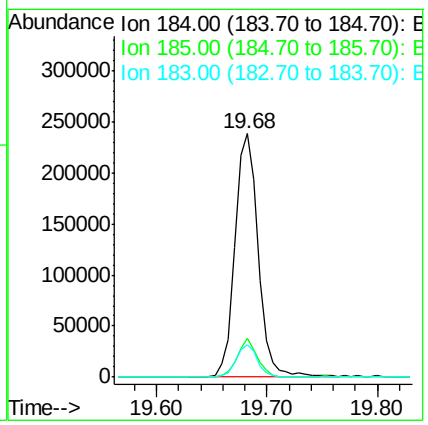
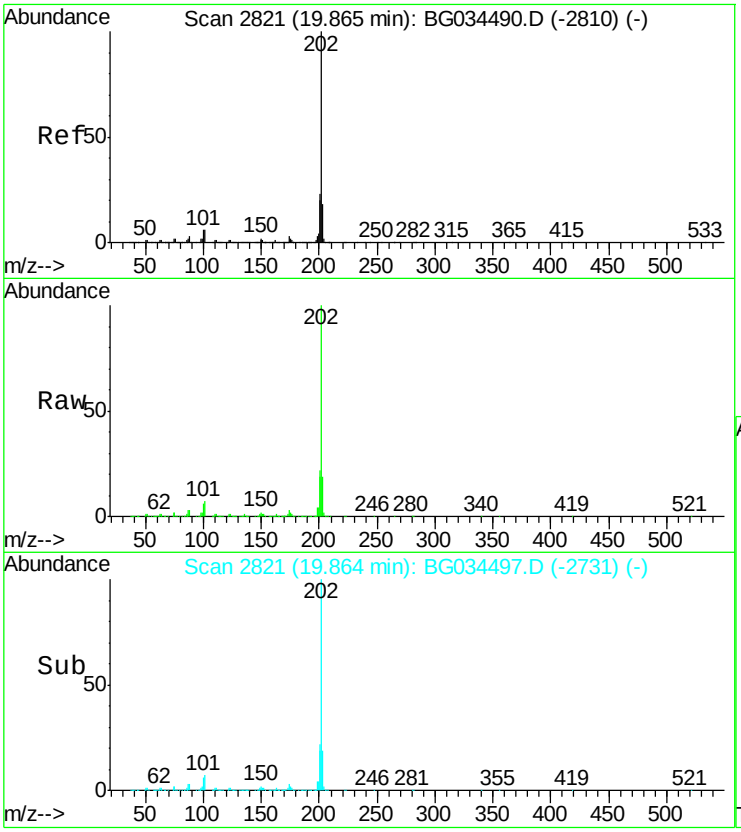


#76
Benzidine
Concen: 34.787 ng
RT: 19.68 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:184 Resp: 352374

Ion	Ratio	Lower	Upper
184	100		
185	16.1	11.1	16.7
183	13.5	10.6	16.0

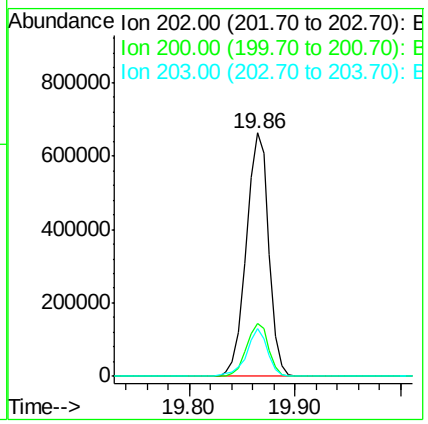




#77
Pyrene
Concen: 41.224 ng
RT: 19.86 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:202 Resp: 978018

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	19.4	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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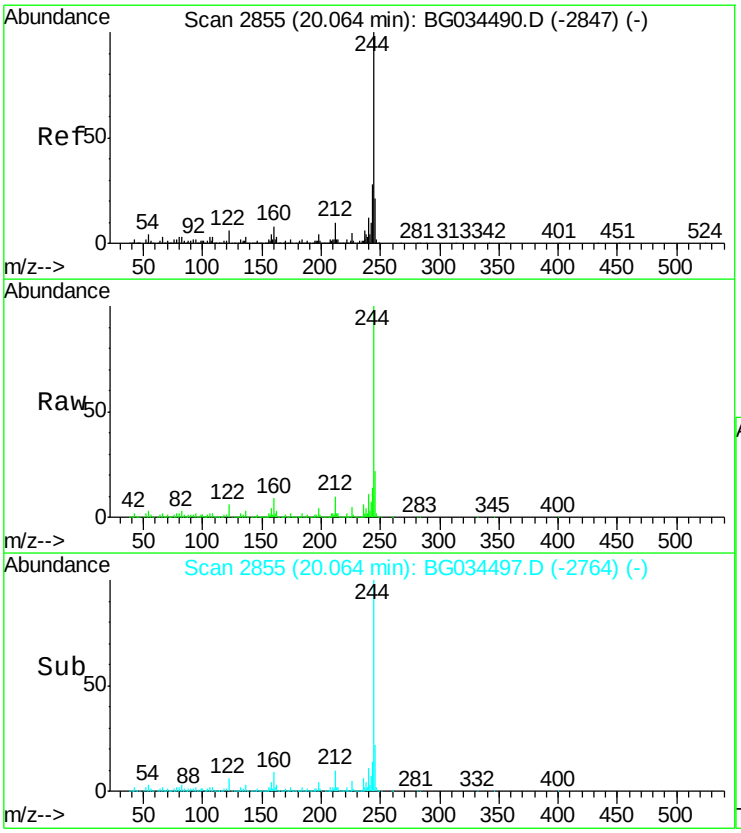
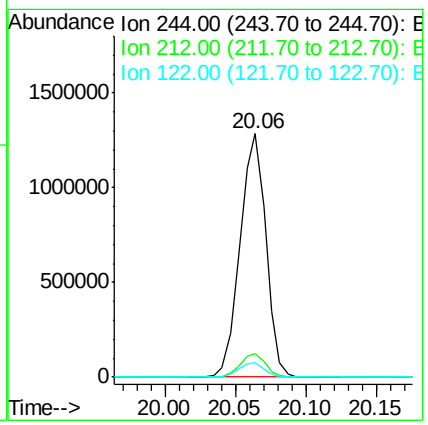
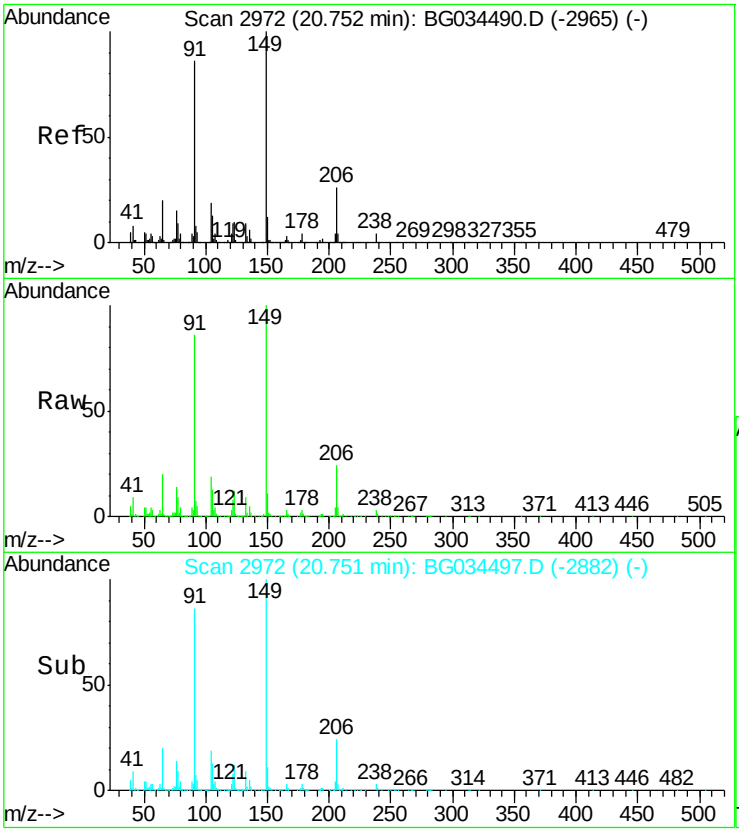


#78
Terphenyl-d14
Concen: 94.837 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:244 Resp: 1639074

Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.8	8.8#
122	6.2	7.0	10.4#





#79
Butylbenzylphthalate
Concen: 42.348 ng
RT: 20.75 min Scan# 2972
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:149 Resp: 387373

Ion	Ratio	Lower	Upper
149	100		
91	86.0	62.2	93.2
206	24.1	18.6	27.8

Instrument :
BNA_G
ClientSampleId :
PB108852BS

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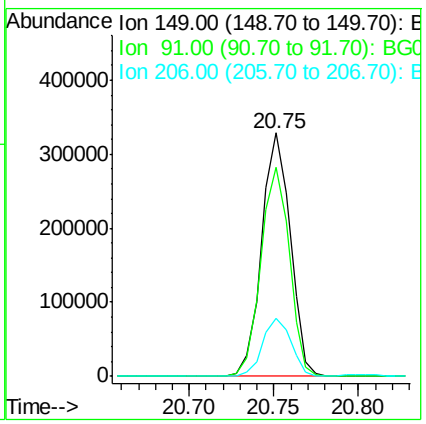
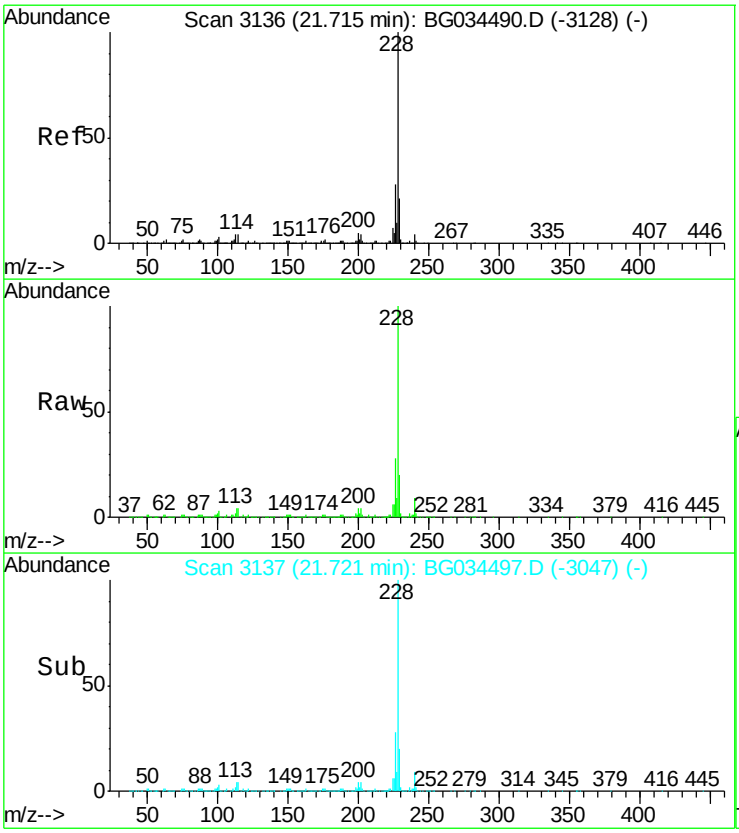
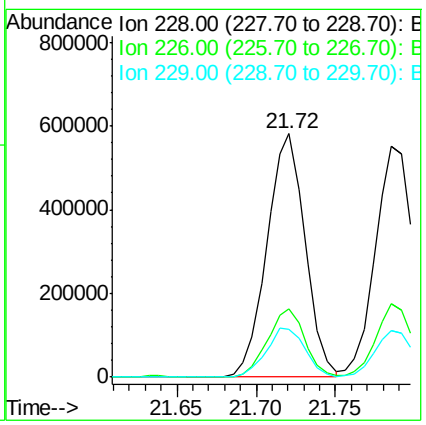


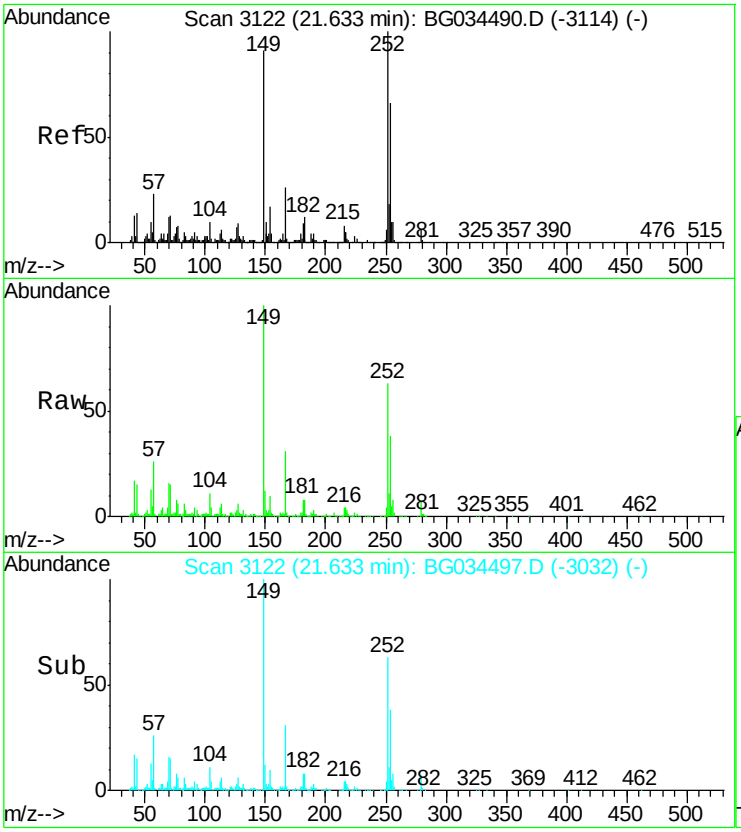


#80
Benzo(a)anthracene
Concen: 39.471 ng
RT: 21.72 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:228 Resp: 972080

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	19.8	16.2	24.2

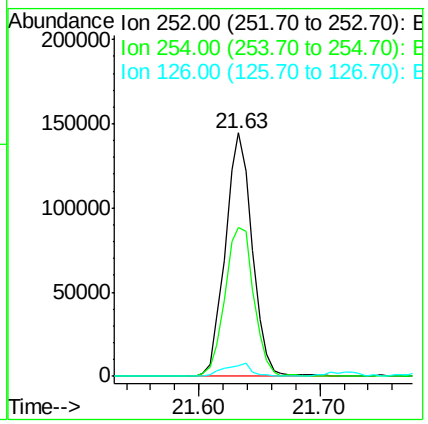




#81
3,3'-Dichlorobenzidine
Concen: 23.311 ng
RT: 21.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:252 Resp: 223297

Ion	Ratio	Lower	Upper
252	100		
254	61.1	50.8	76.2
126	4.4	7.4	11.2#



Instrument :
BNA_G
ClientSampleId :
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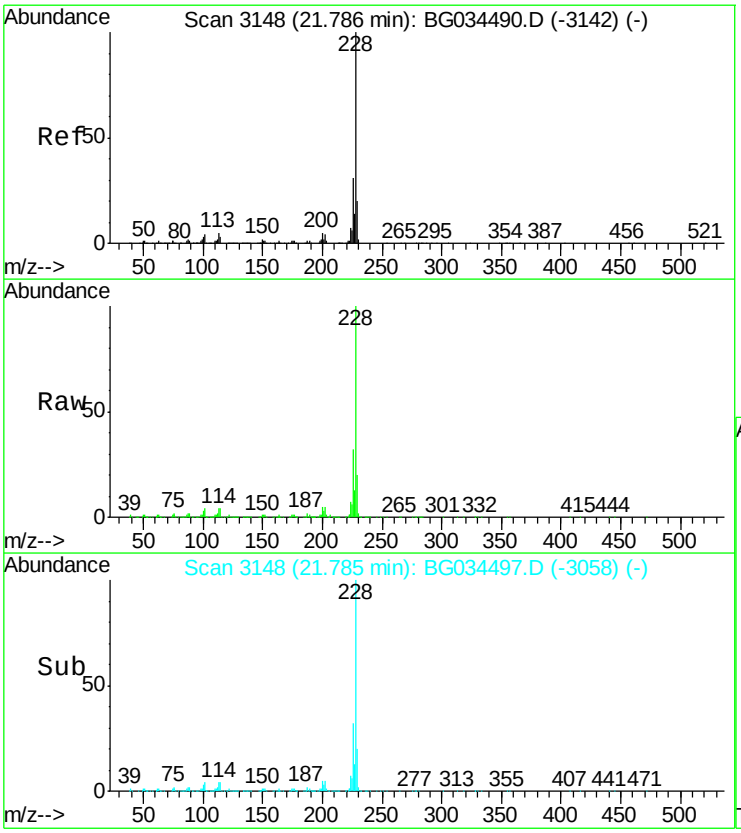
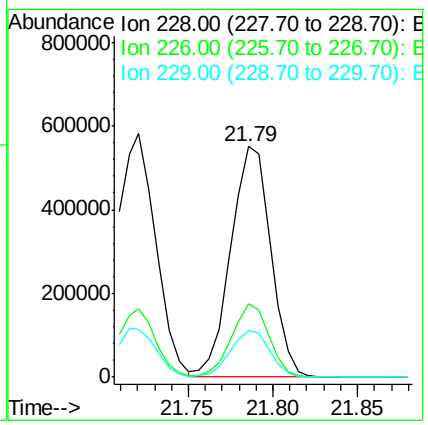
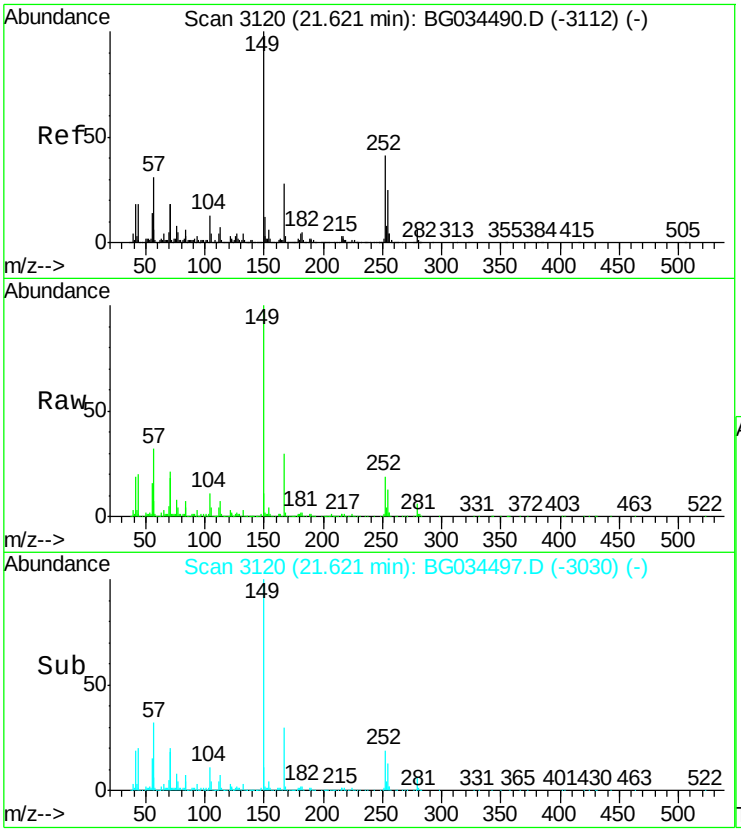


#82
Chrysene
Concen: 40.141 ng
RT: 21.79 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:228 Resp: 906667

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.9	37.3
229	20.1	15.0	22.4

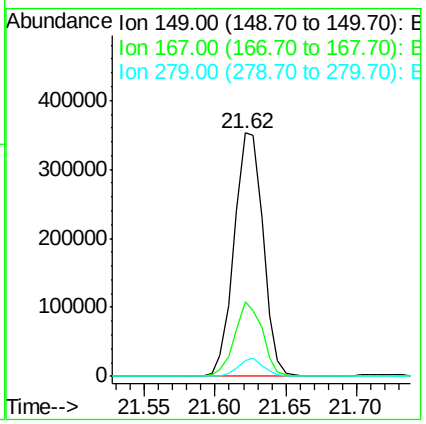




#83
Bis(2-ethylhexyl)phthalate
Concen: 40.589 ng
RT: 21.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:149 Resp: 504249

Ion	Ratio	Lower	Upper
149	100		
167	30.5	24.3	36.5
279	6.4	4.0	6.0#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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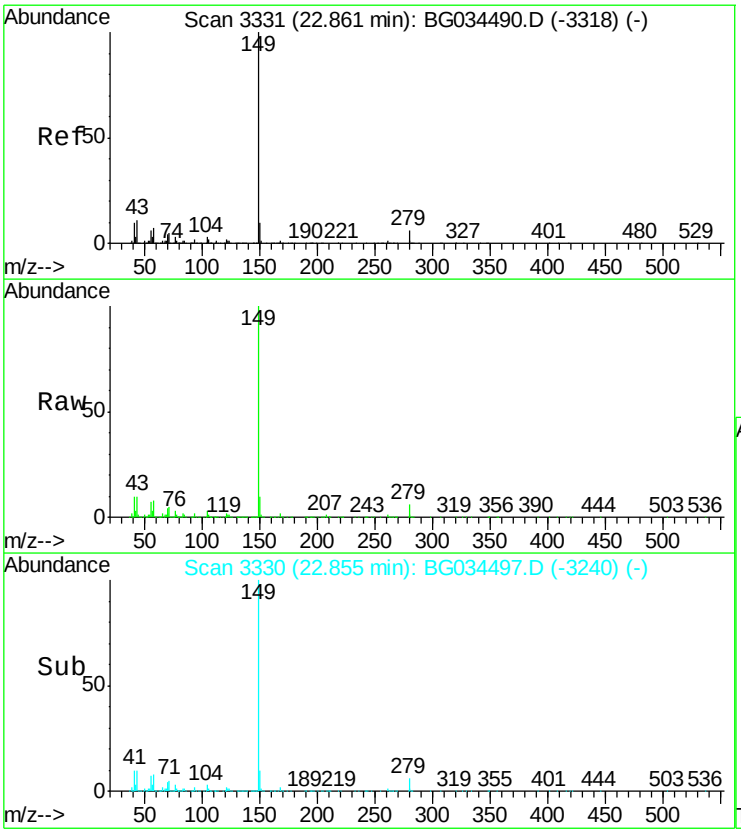
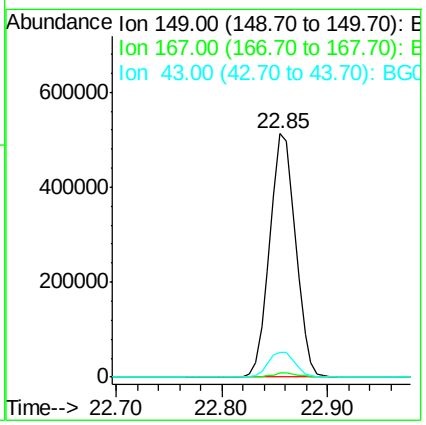
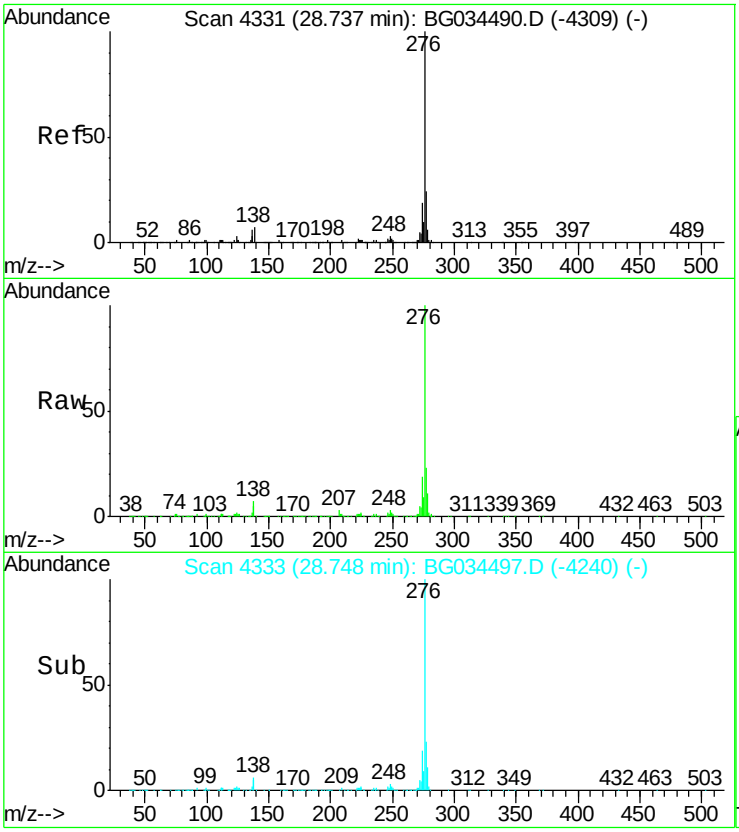


#84
Di-n-octyl phthalate
Concen: 41.654 ng
RT: 22.85 min Scan# 3330
Delta R.T. 0.00 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:149 Resp: 866213

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	10.7	8.9	13.3

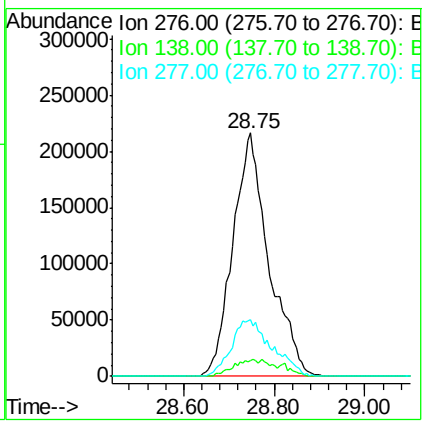




#85
Indeno(1,2,3-cd)pyrene
Concen: 41.280 ng
RT: 28.75 min Scan# 4333
Delta R.T. 0.02 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:276 Resp: 1192995

Ion	Ratio	Lower	Upper
276	100		
138	4.8	16.0	24.0#
277	26.4	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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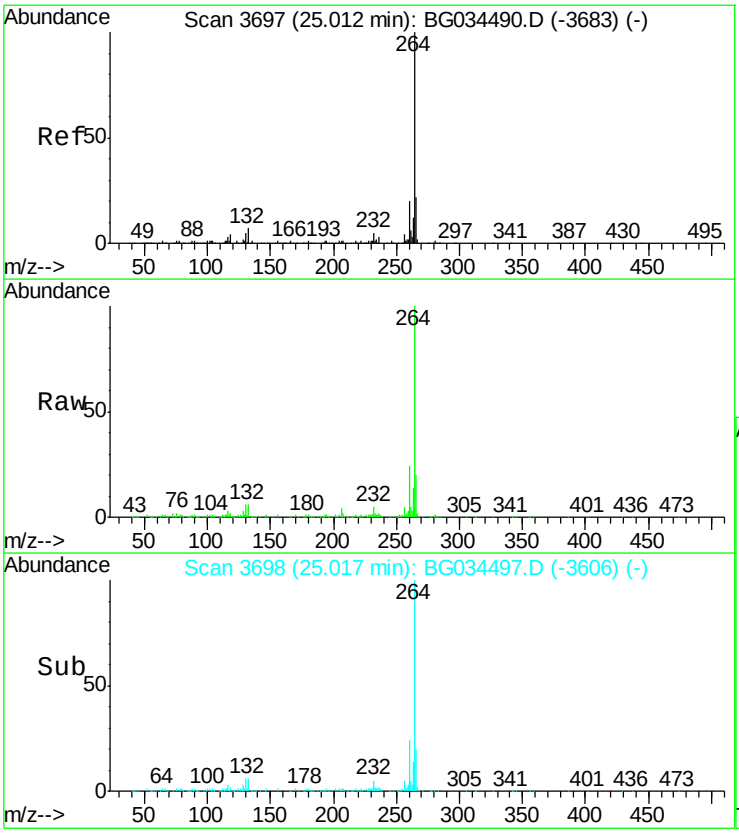
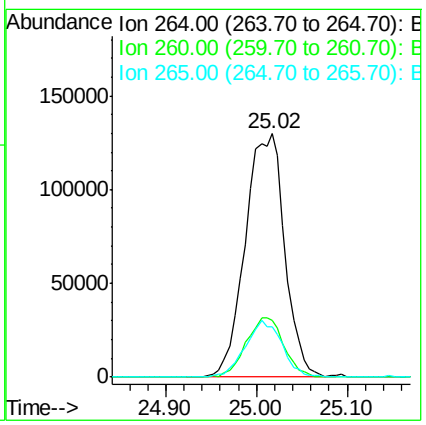
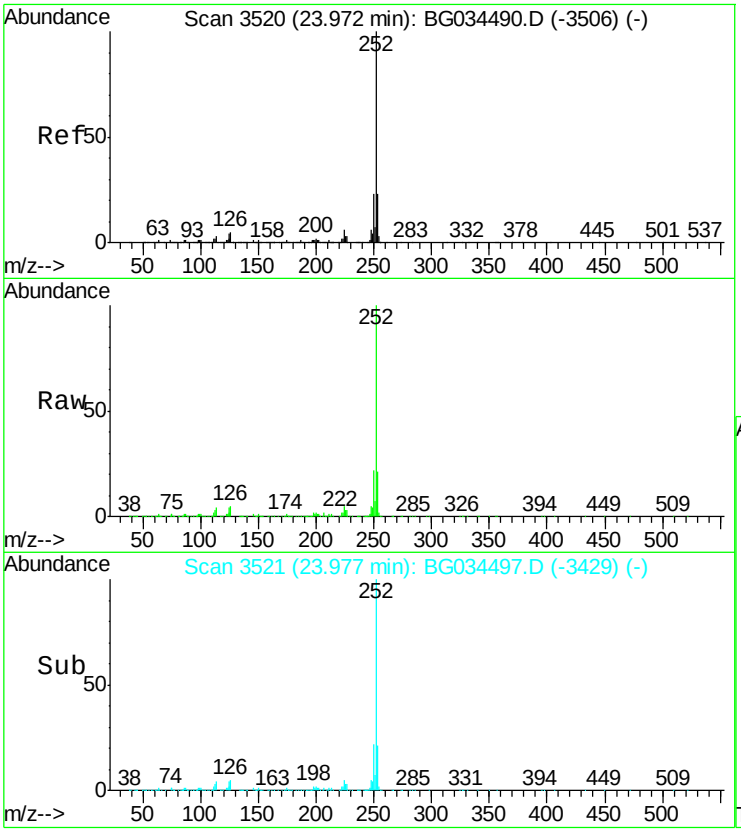


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3698
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:264 Resp: 390484

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	20.4	17.7	26.5

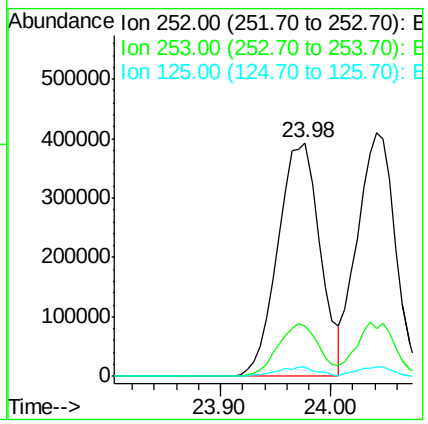




#87
Benzo(b)fluoranthene
Concen: 41.970 ng
RT: 23.98 min Scan# 3521
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:252 Resp: 1037036

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.4
125	4.0	7.2	10.8#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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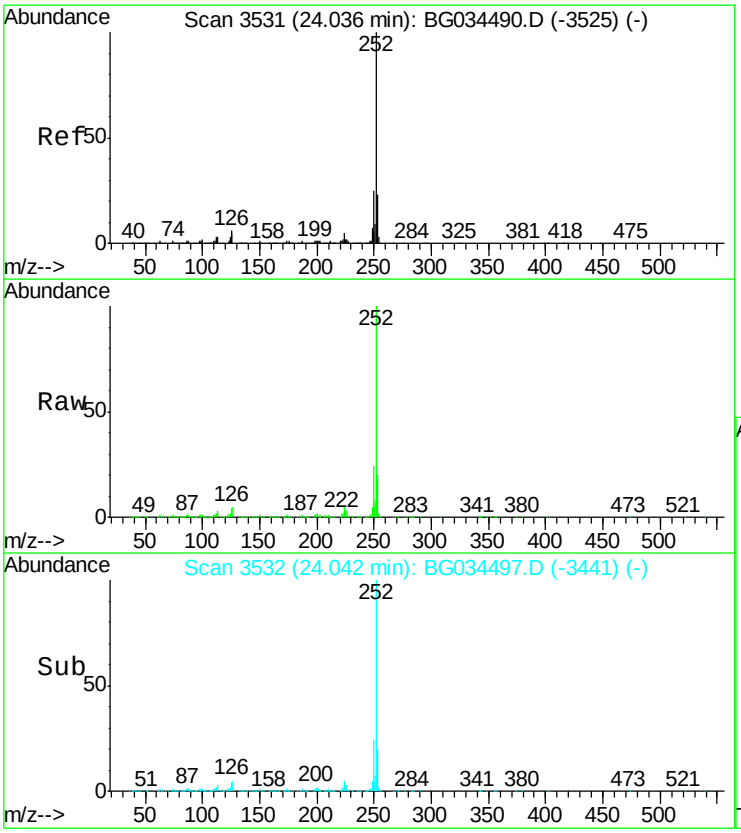
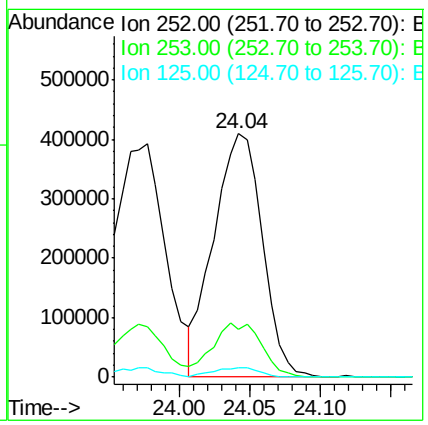
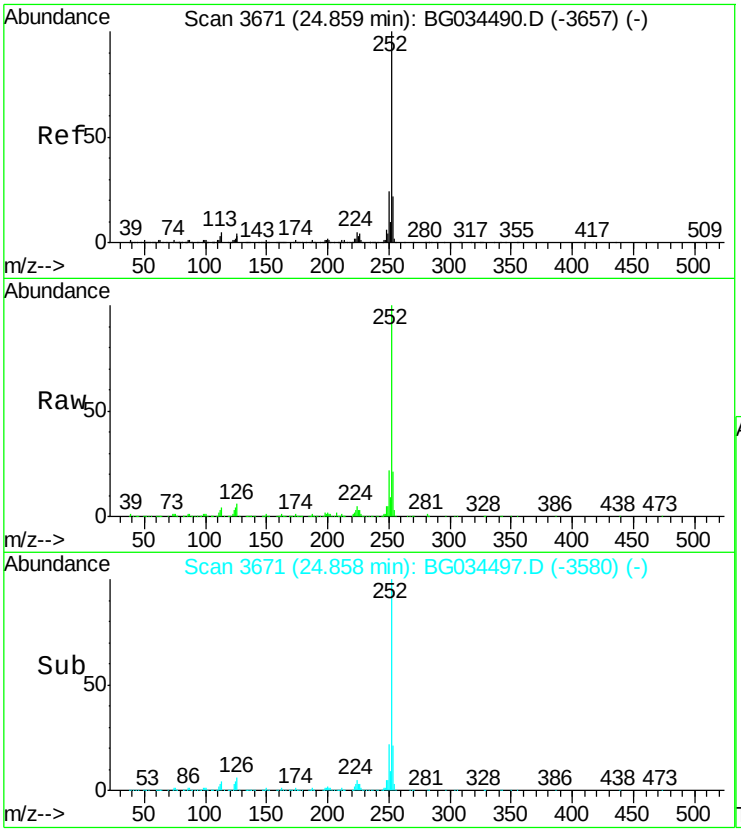


#88
Benzo(k)fluoranthene
Concen: 41.613 ng
RT: 24.04 min Scan# 3532
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:252 Resp: 976746

Ion	Ratio	Lower	Upper
252	100		
253	19.6	17.4	26.2
125	3.9	6.6	9.8#

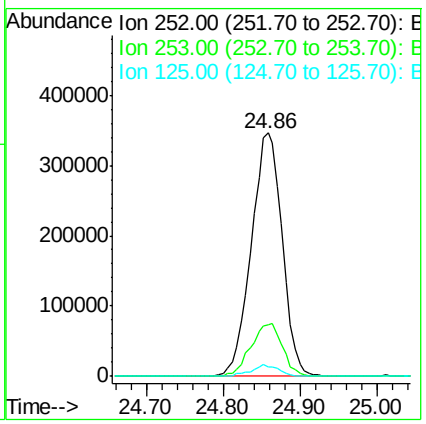




#89
Benzo(a)pyrene
Concen: 41.465 ng
RT: 24.86 min Scan# 3671
Delta R.T. 0.01 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:252 Resp: 972467

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.3	27.5
125	4.1	7.3	10.9#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

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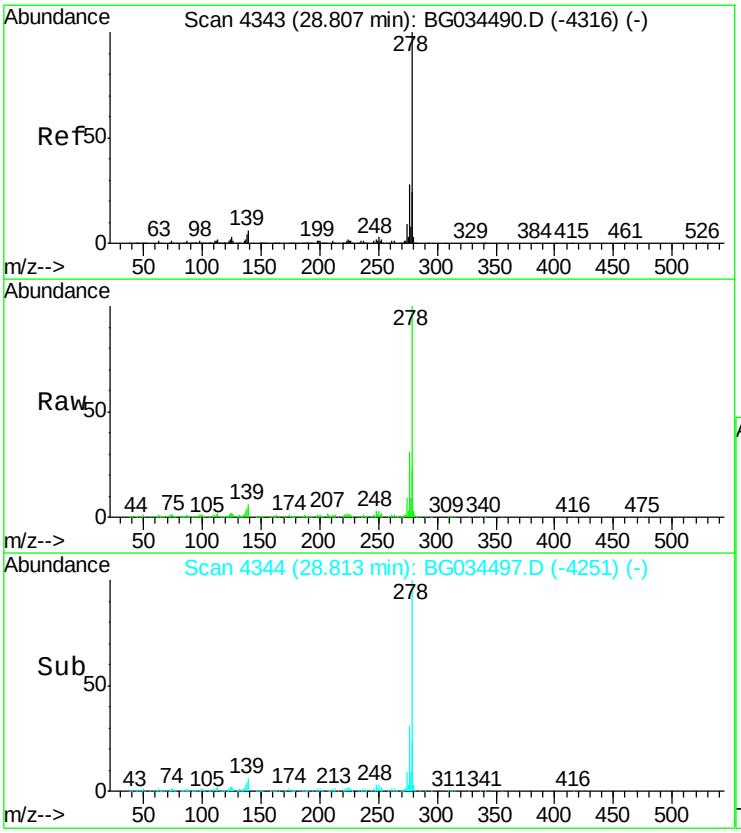
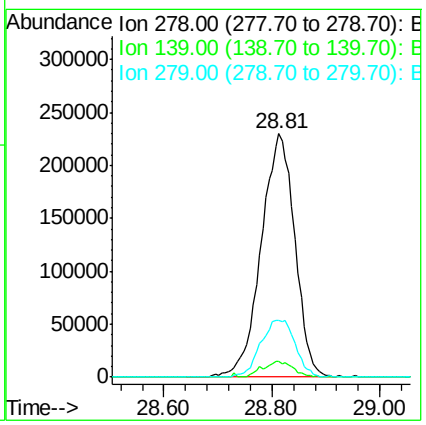
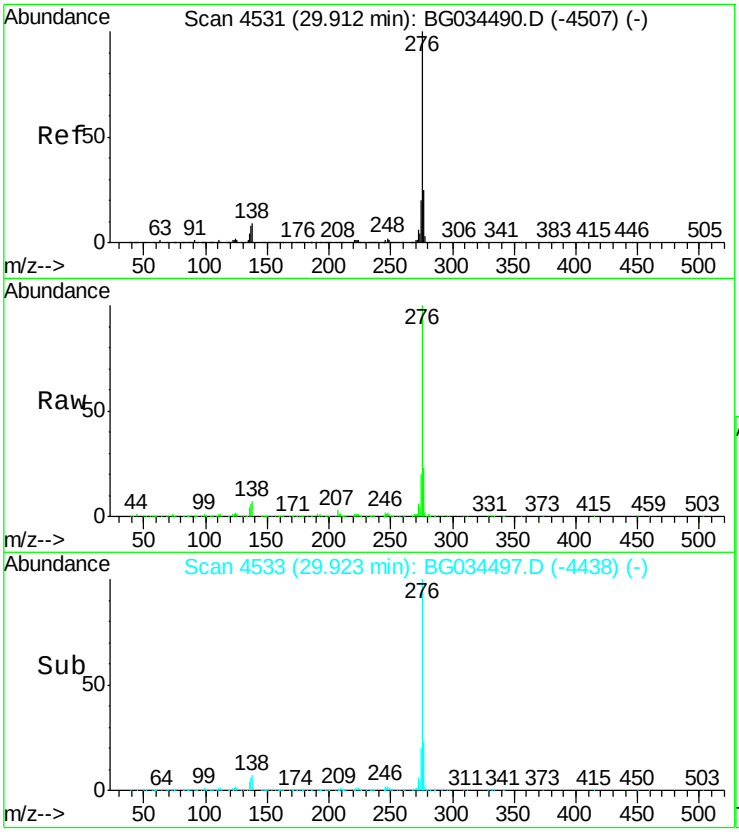


#90
Dibenzo(a,h)anthracene
Concen: 42.524 ng
RT: 28.81 min Scan# 4344
Delta R.T. 0.02 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:278 Resp: 988977

Ion	Ratio	Lower	Upper
278	100		
139	6.5	9.8	14.6#
279	23.3	18.4	27.6

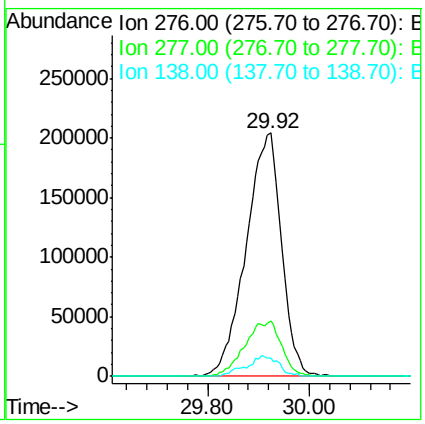




#91
Benzo(g,h,i)perylene
Concen: 42.198 ng
RT: 29.92 min Scan# 4533
Delta R.T. 0.03 min
Lab File: BG034497.D
Acq: 16 May 2018 20:38

Tgt Ion:276 Resp: 986541

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.3	27.5
138	7.5	13.9	20.9#



Instrument :
BNA_G
ClientSampleId :
PB108852BS

Manual Integrations APPROVED
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