Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008304.D
Acq On : 14 Dec 2016 11:42
Operator : UM/SJ
Sample : H5976-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8N5

Quant Time: Dec 14 12:53:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 05:32:31 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	141016	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	551622	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	363099	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	714176	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	914932	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	924162	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	15151	5.06	ng/uL	0.00
5) Phenol-d5	6.86	99	278847	25.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	169696	26.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	215553	26.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	229554	27.09	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	111430	27.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	125844	28.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	230049	28.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	310619	33.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	754671	31.27	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	870355	30.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	117421	33.02	ng/ul	0.00
57) Fluorene-d10	15.31	176	616619	29.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	134980	31.75	ng/ul	0.00
70) Anthracene-d10	17.17	188	972524	31.26	ng/ul	0.00
76) Pyrene-d10	19.47	212	1159153	32.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1232864	31.77	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.11	93	142765	16.84	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.20	45	137098	14.22	ng/ul	100
16) 4-Methylphenol	8.44	108	365399	40.53	ng/ul	88
17) Hexachloroethane	8.73	117	191861	50.61	ng/ul	93
20) Nitrobenzene	8.87	77	175438	17.07	ng/ul	99
23) 2-Nitrophenol	9.58	139	164071	36.32	ng/ul	94
24) 2,4-Dimethylphenol	9.64	107	250522	24.82	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.87	93	183117	17.45	ng/ul	98
27) 2,4-Dichlorophenol	10.11	162	193441	23.71	ng/ul	98
30) 4-Chloroaniline	10.62	127	551537	58.97	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	438424	23.24	ng/ul	99
37) Hexachlorocyclopentadiene	12.45	237	244102	53.16	ng/ul	98
38) 2,4,6-Trichlorophenol	12.74	196	117577	18.22	ng/ul	97
41) 2-Chloronaphthalene	13.18	162	262205	14.12	ng/ul	96
42) 2-Nitroaniline	13.41	65	366432	66.70	ng/ul	95
44) Dimethylphthalate	13.78	163	726504	30.71	ng/ul	100
45) 2,6-Dinitrotoluene	13.91	165	69782	15.14	ng/ul	95
48) 3-Nitroaniline	14.24	138	286382	62.37	ng/ul	98
50) 2,4-Dinitrophenol	14.47	184	179389	67.11	ng/ul	93
52) 4-Nitrophenol	14.56	109	230433	67.56	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.36	204	188238	14.83	ng/ul	98
60) 4-Nitroaniline	15.42	138	177890	40.26	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.48	198	257620	59.13	ng/ul#	93

Quantitation Report (LSC Reviewed)

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Data File : BM008304.D
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Operator : UM/SJ
Sample : H5976-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8N5

Quant Time: Dec 14 12:53:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 05:32:31 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.26	248	485144	61.88	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.19	252	368477	22.98	ng/ul	97

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

Quantitation Report (LSC Reviewed)

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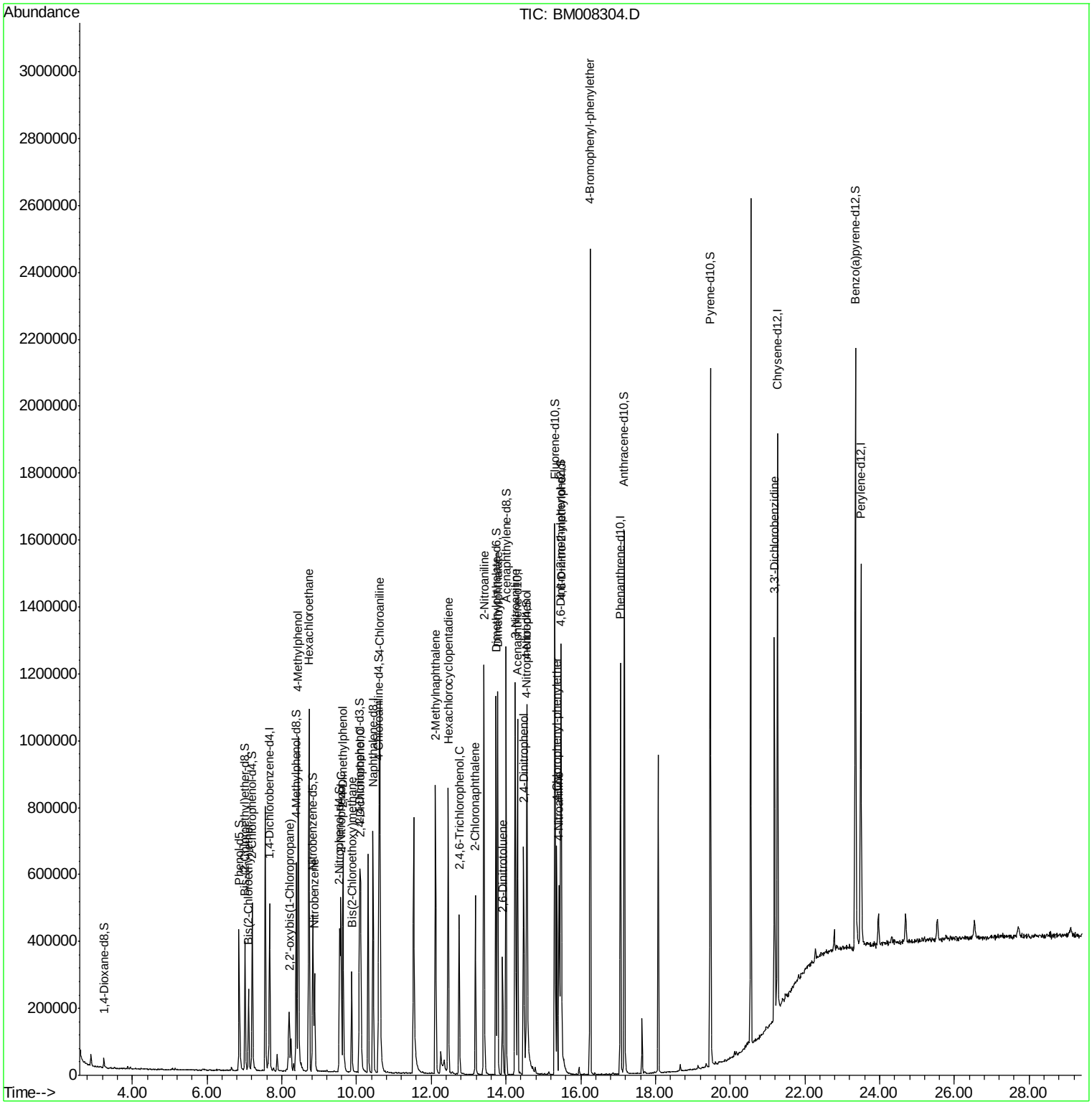
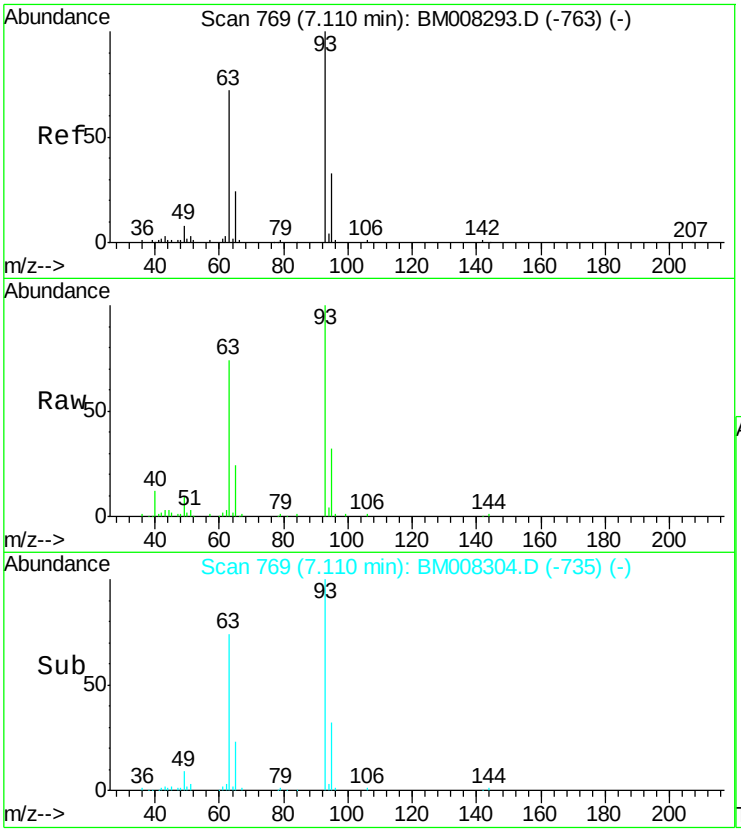
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 05:32:31 2016
Response via : Initial Calibration



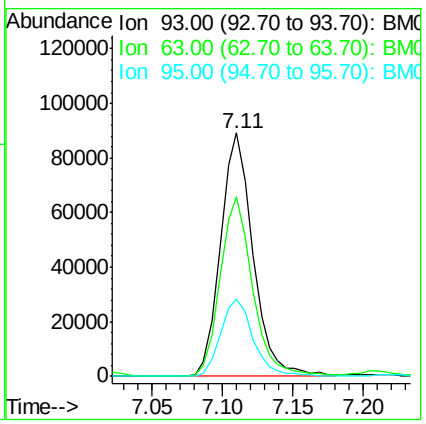


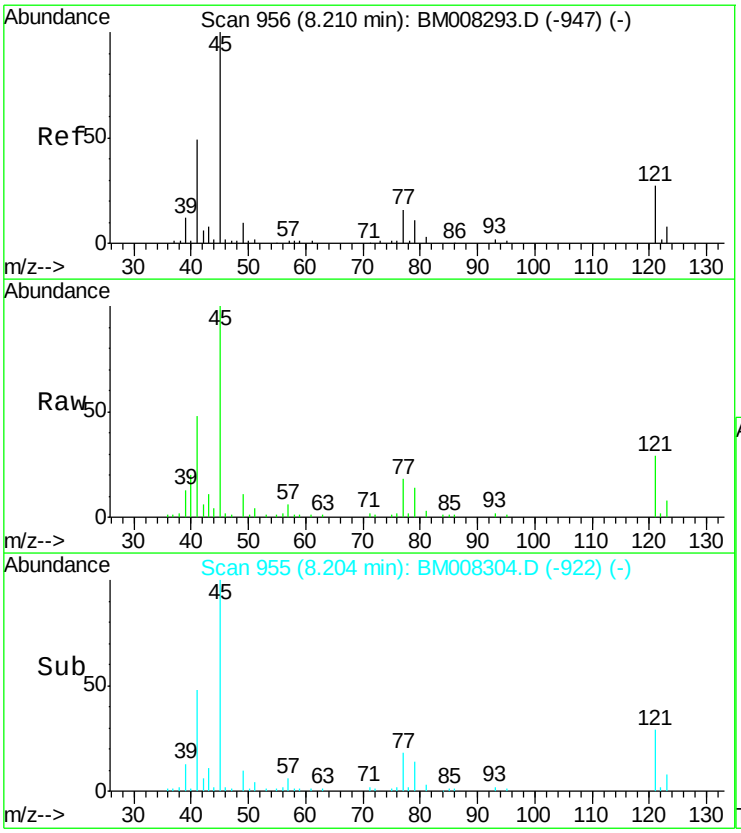
#8
Bis(2-Chloroethyl)ether
Concen: 16.84 ng/ul
RT: 7.11 min Scan# 769
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion: 93 Resp: 142765

Ion	Ratio	Lower	Upper
93	100		
63	73.5	57.4	86.2
95	31.6	25.2	37.8

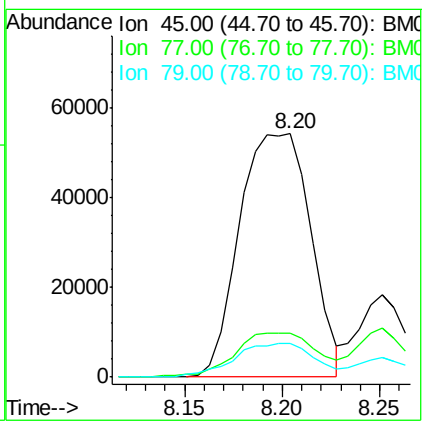


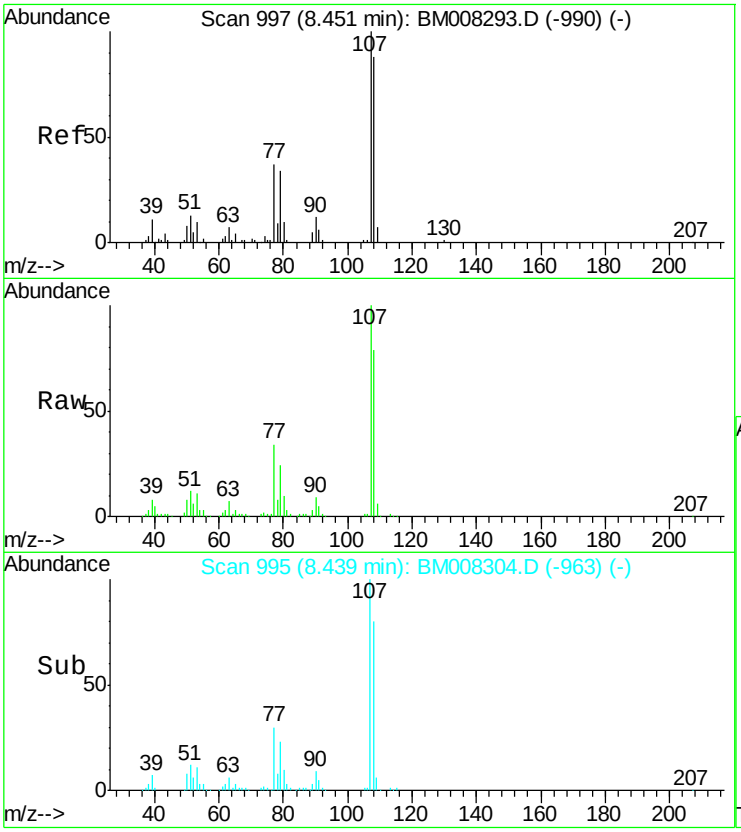


#12
2,2'-oxybis(1-Chloropropane)
Concen: 14.22 ng/ul
RT: 8.20 min Scan# 955
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion: 45 Resp: 137098

Ion	Ratio	Lower	Upper
45	100		
77	17.9	14.4	21.6
79	14.0	11.1	16.7



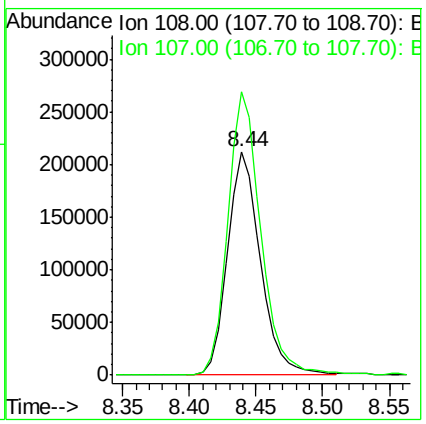


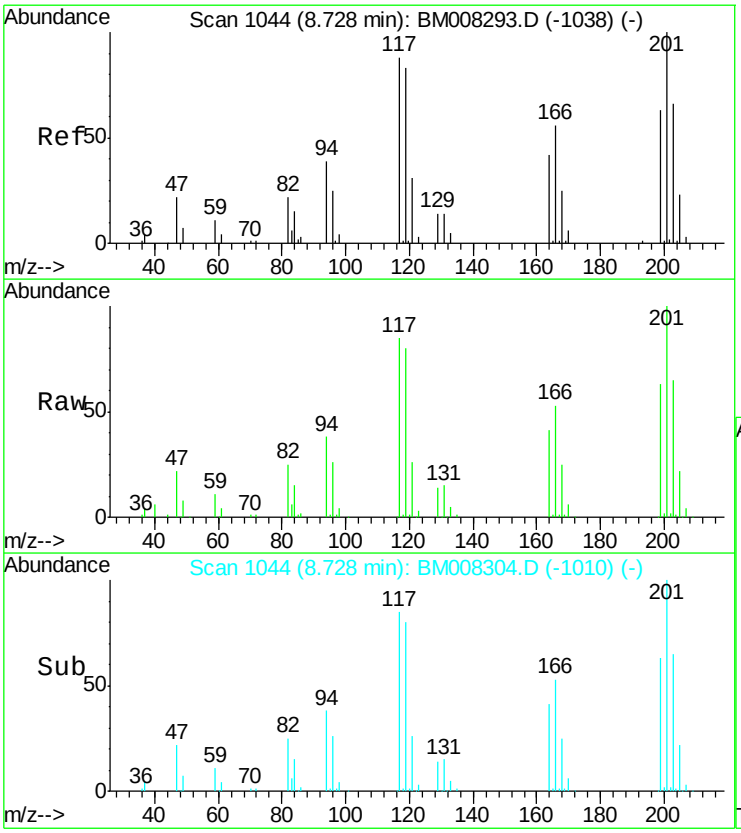
#16
4-Methylphenol
Concen: 40.53 ng/ul
RT: 8.44 min Scan# 995
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:108 Resp: 365399

Ion	Ratio	Lower	Upper
108	100		
107	126.5	90.6	135.8

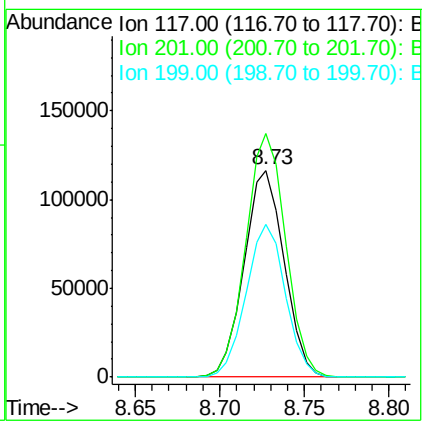


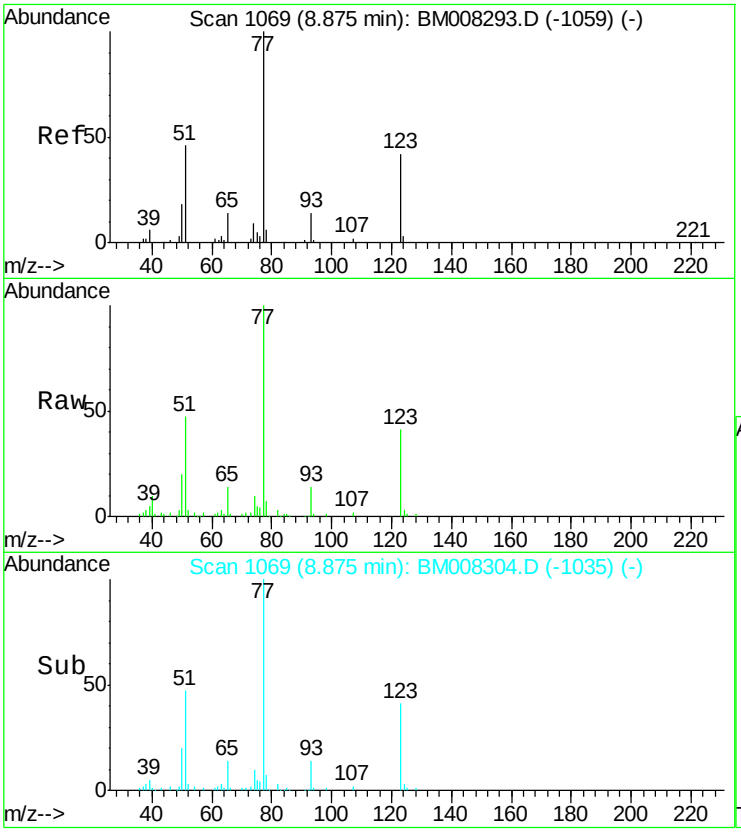


#17
Hexachloroethane
Concen: 50.61 ng/ul
RT: 8.73 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:117 Resp: 191861

Ion	Ratio	Lower	Upper
117	100		
201	117.6	88.1	132.1
199	73.8	54.9	82.3



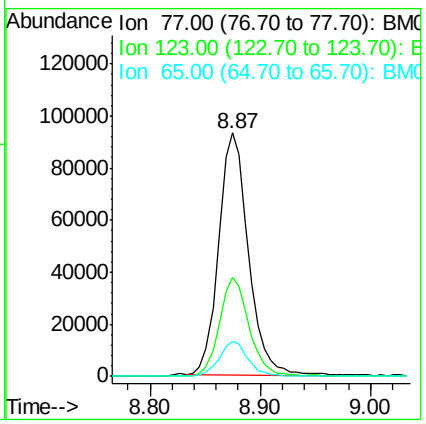


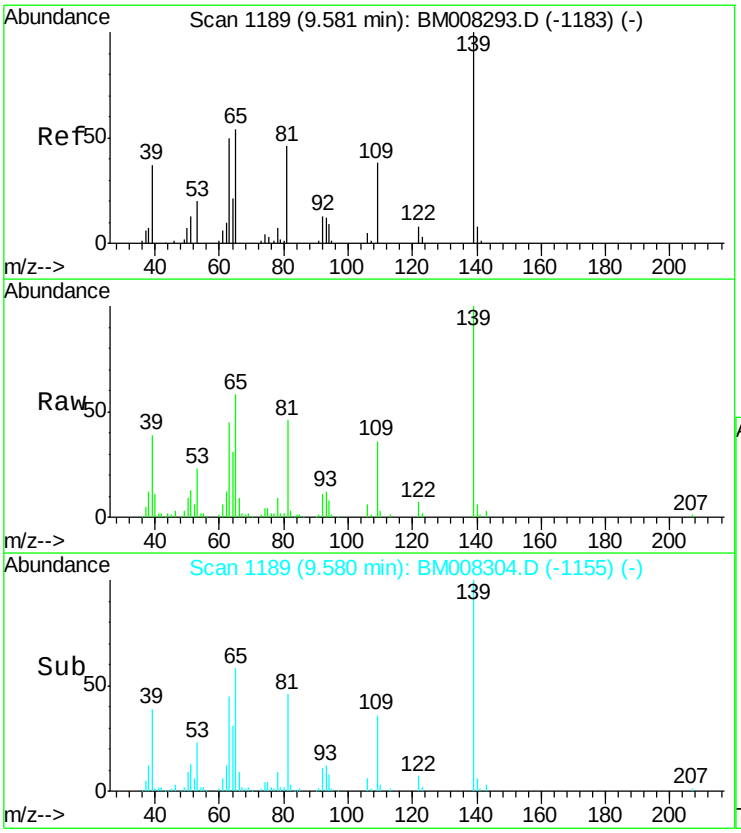
#20
Nitrobenzene
Concen: 17.07 ng/ul
RT: 8.87 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion: 77 Resp: 175438

Ion	Ratio	Lower	Upper
77	100		
123	40.5	32.1	48.1
65	14.1	10.6	15.8

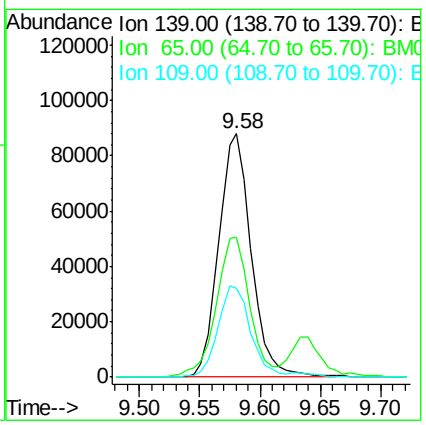


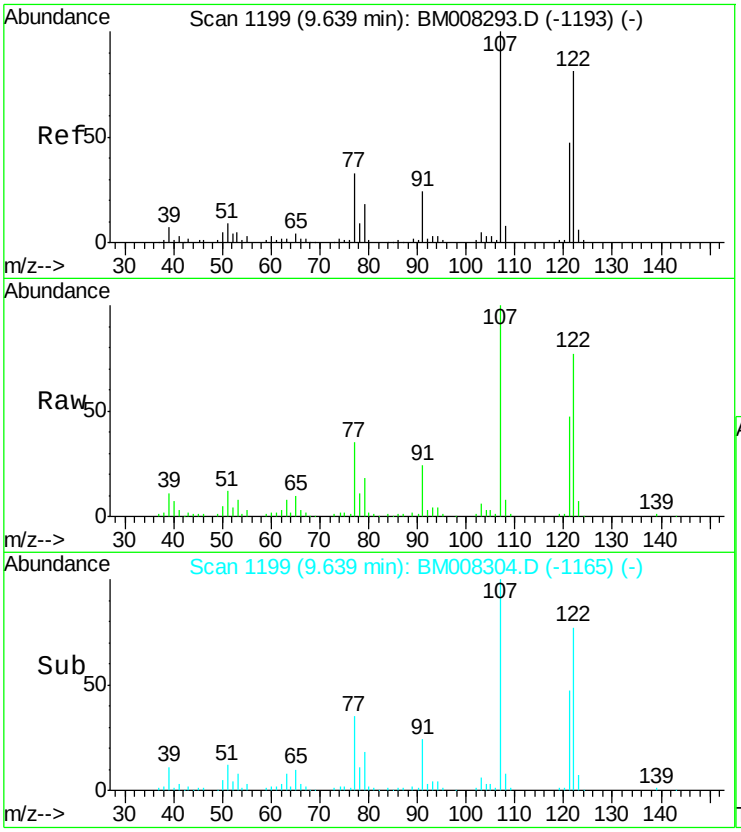


#23
2-Nitrophenol
Concen: 36.32 ng/ul
RT: 9.58 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:139 Resp: 164071

Ion	Ratio	Lower	Upper
139	100		
65	57.7	49.9	74.9
109	36.5	32.2	48.4



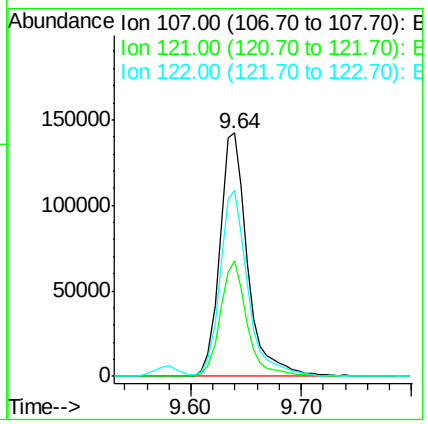


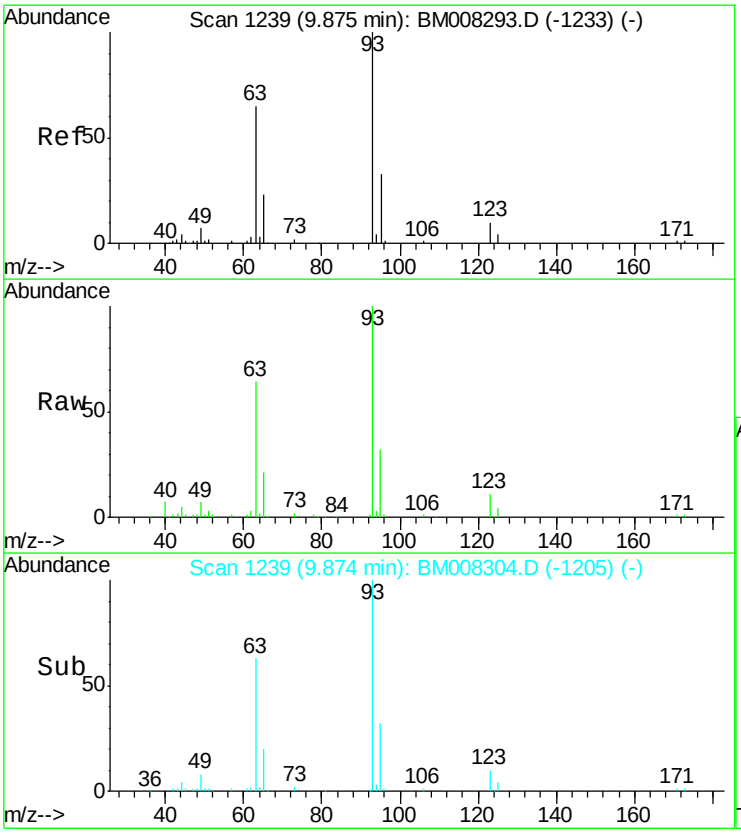
#24
2,4-Dimethylphenol
Concen: 24.82 ng/ul
RT: 9.64 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:107 Resp: 250522

Ion	Ratio	Lower	Upper
107	100		
121	47.3	37.3	55.9
122	76.6	58.2	87.4

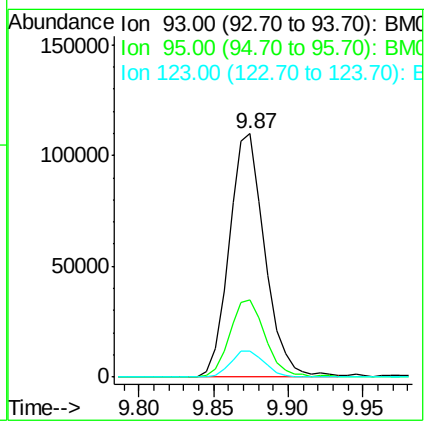


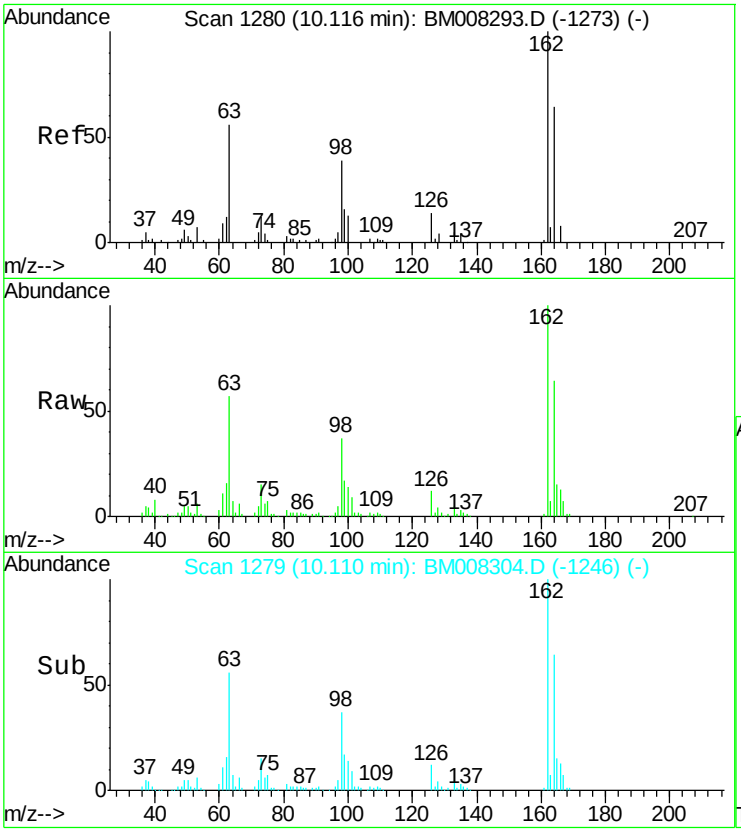


#25
Bis(2-Chloroethoxy)methane
Concen: 17.45 ng/ul
RT: 9.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion: 93 Resp: 183117

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.5	36.7
123	10.9	8.2	12.2



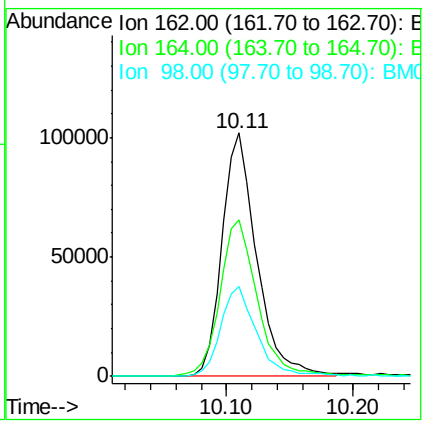


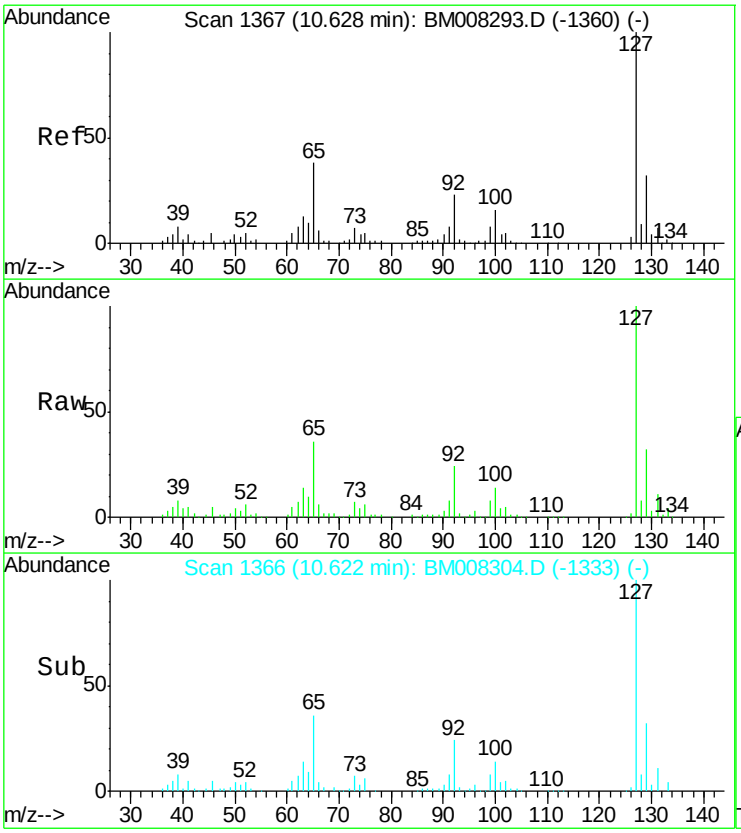
#27
2,4-Dichlorophenol
Concen: 23.71 ng/ul
RT: 10.11 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:162 Resp: 193441

Ion	Ratio	Lower	Upper
162	100		
164	64.4	50.4	75.6
98	37.0	29.1	43.7

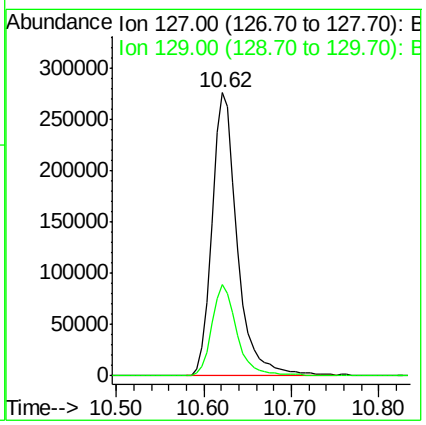


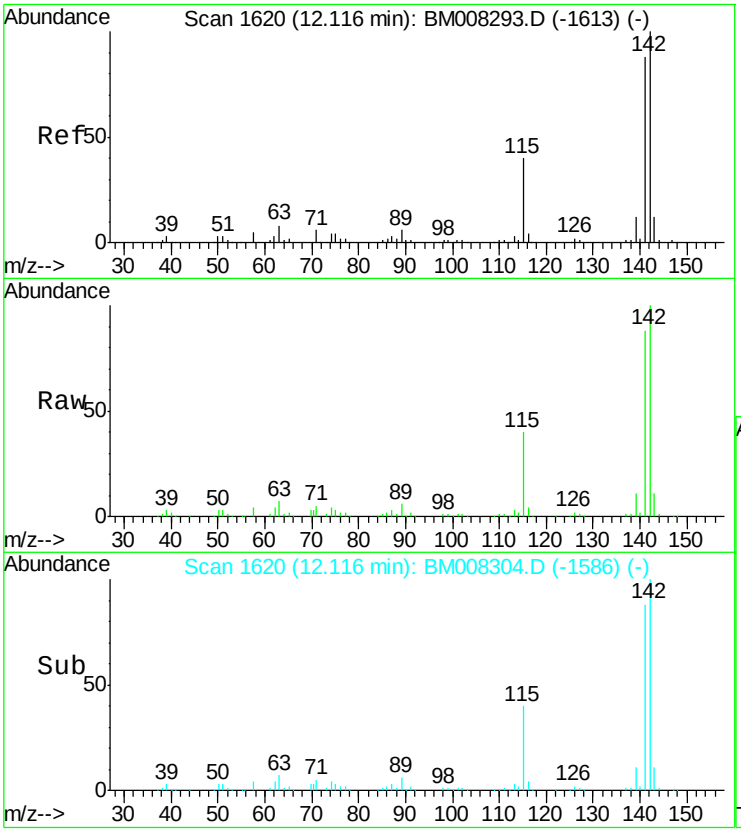


#30
4-Chloroaniline
Concen: 58.97 ng/ul
RT: 10.62 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:127 Resp: 551537

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.8	40.2



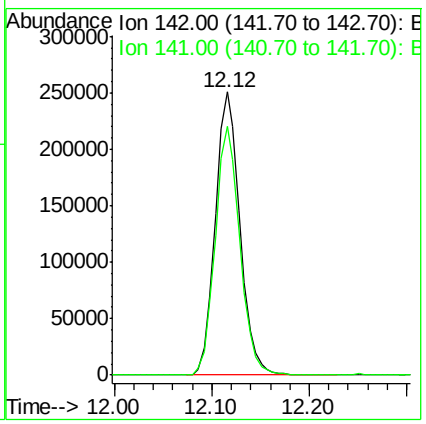


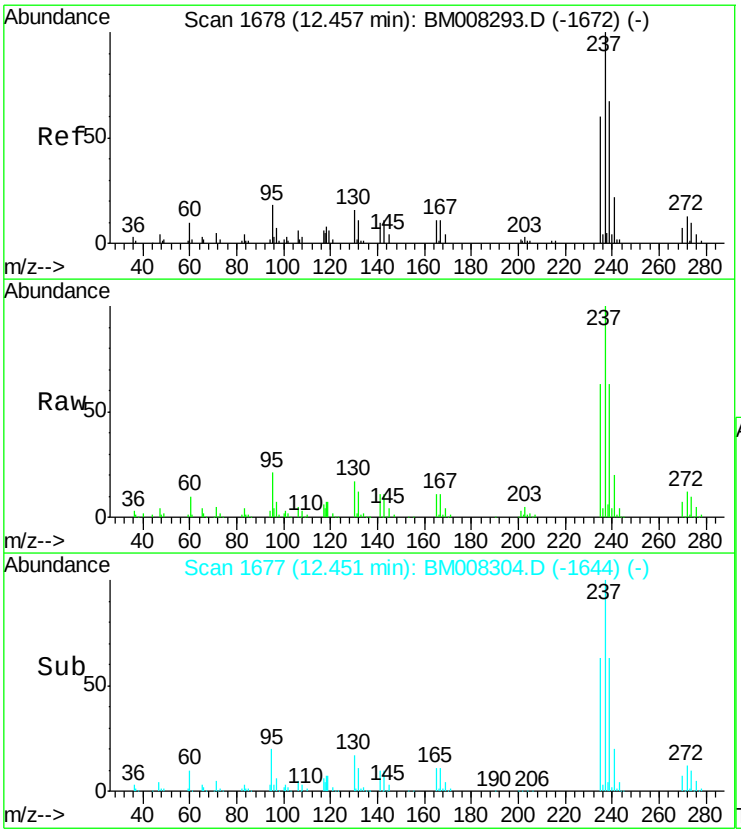
#34
2-Methylnaphthalene
Concen: 23.24 ng/ul
RT: 12.12 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:142 Resp: 438424

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7

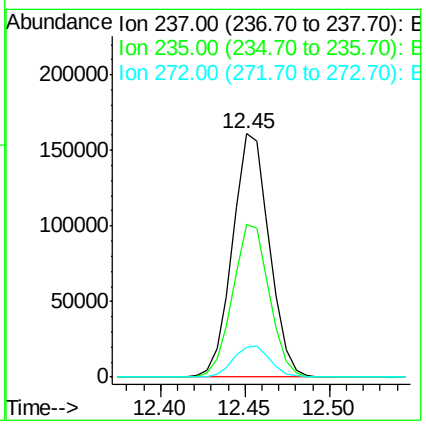


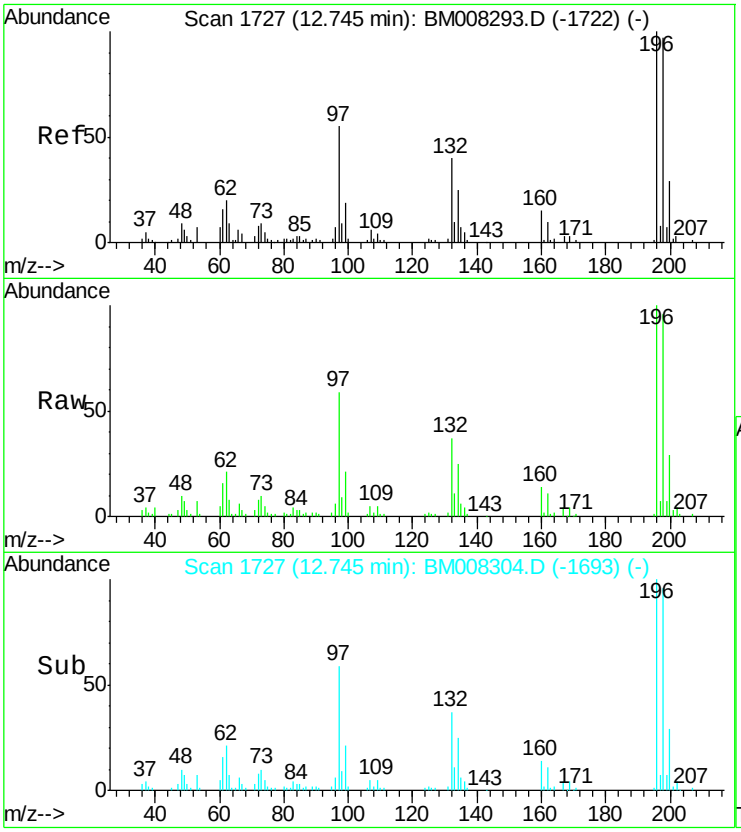


#37
Hexachlorocyclopentadiene
Concen: 53.16 ng/ul
RT: 12.45 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:237 Resp: 244102

Ion	Ratio	Lower	Upper
237	100		
235	62.6	49.0	73.4
272	12.3	10.2	15.2



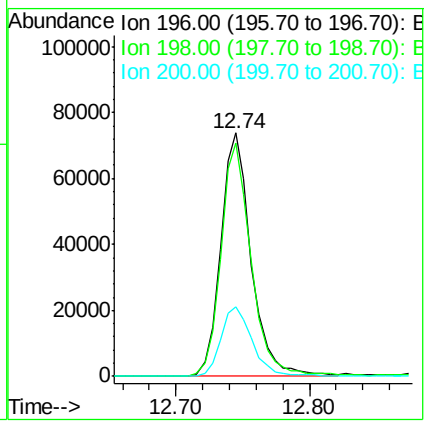


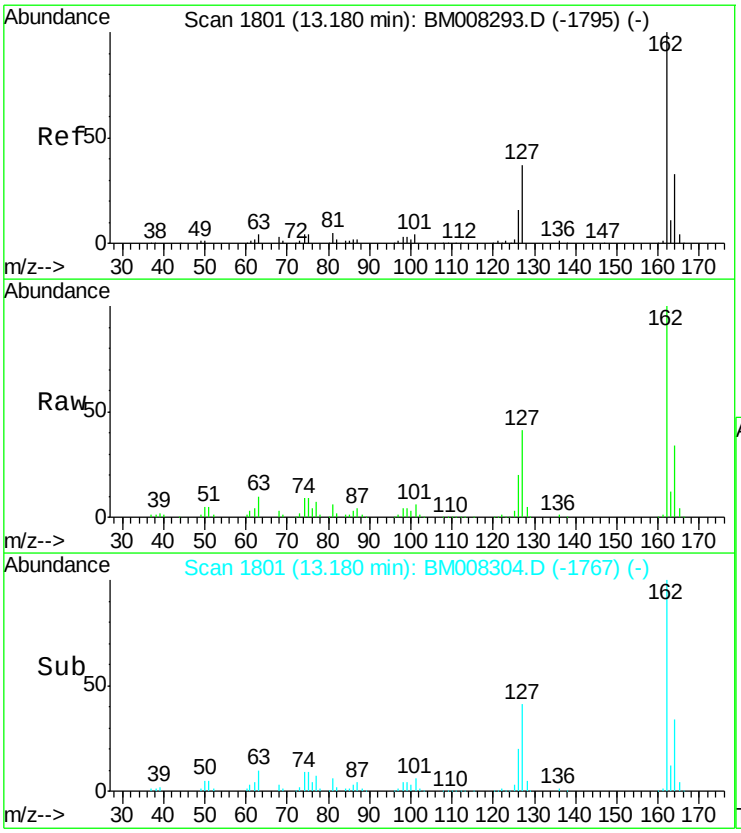
#38
2,4,6-Trichlorophenol
Concen: 18.22 ng/ul
RT: 12.74 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:196 Resp: 117577

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.4	113.2
200	28.8	25.5	38.3

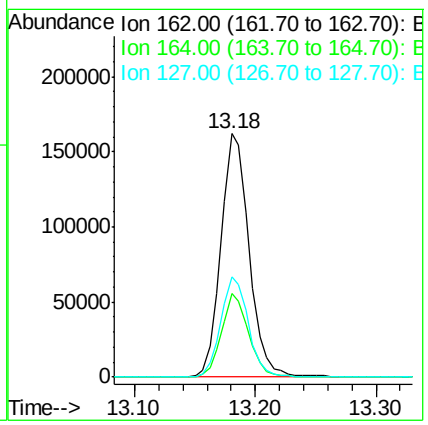


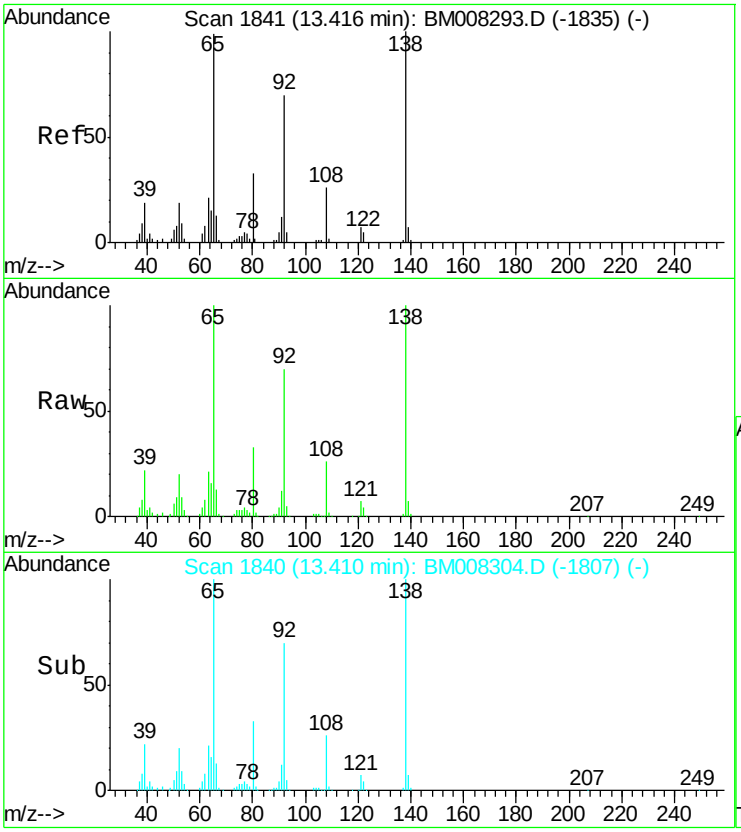


#41
2-Chloronaphthalene
Concen: 14.12 ng/ul
RT: 13.18 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:162 Resp: 262205

Ion	Ratio	Lower	Upper
162	100		
164	34.2	25.2	37.8
127	41.2	31.6	47.4



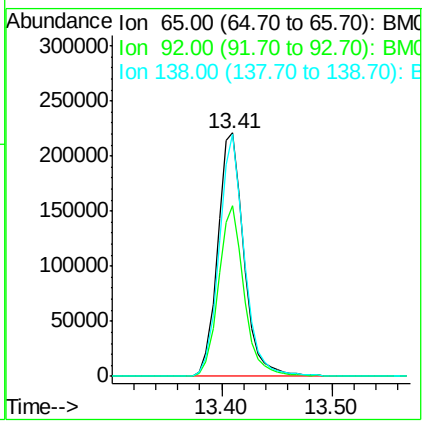


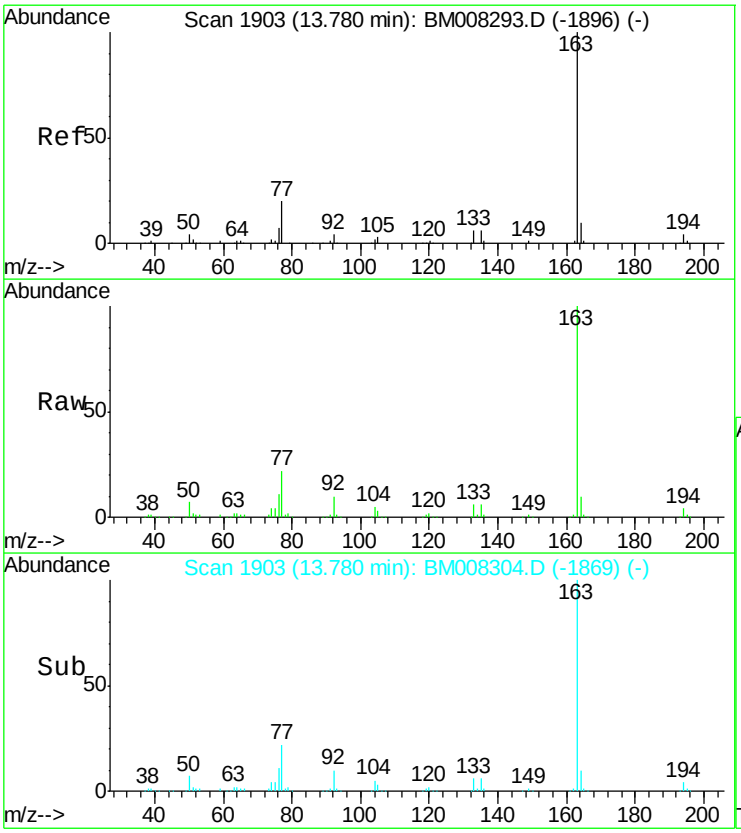
#42
2-Nitroaniline
Concen: 66.70 ng/ul
RT: 13.41 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion: 65 Resp: 366432

Ion	Ratio	Lower	Upper
65	100		
92	70.1	56.5	84.7
138	99.6	73.8	110.6

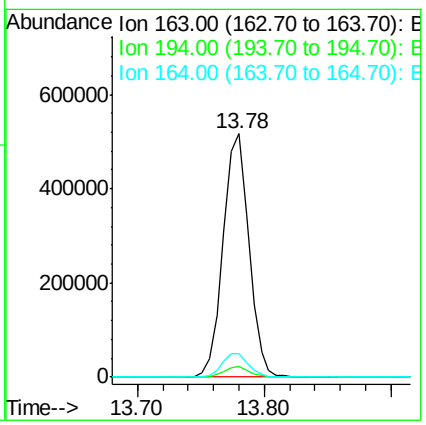


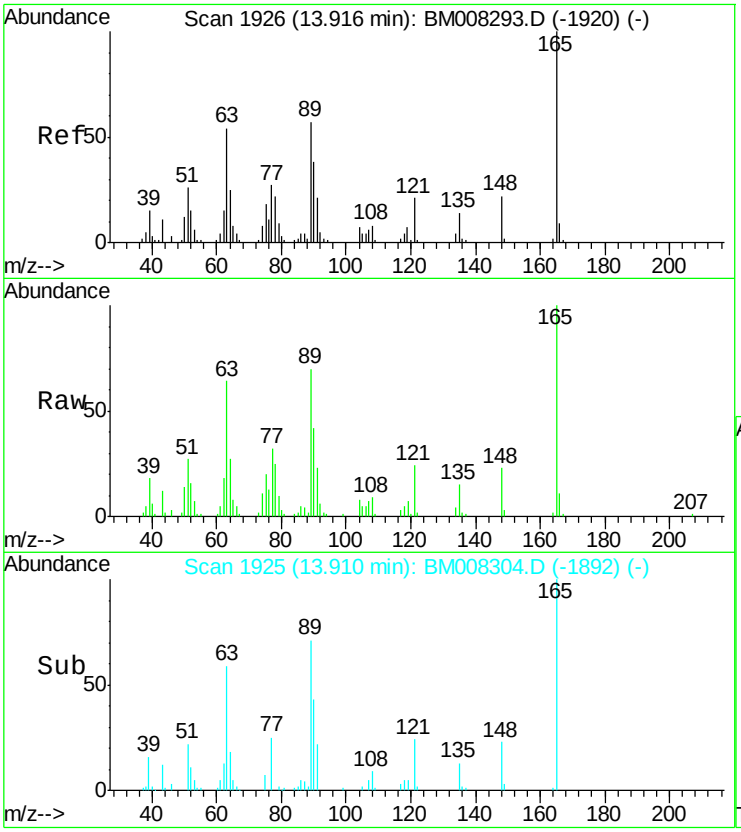


#44
Dimethylphthalate
Concen: 30.71 ng/ul
RT: 13.78 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:163 Resp: 726504

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.7	7.8	11.8



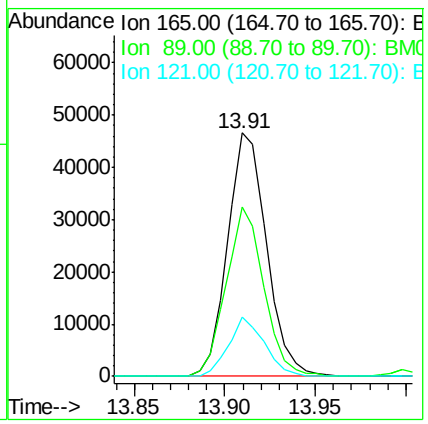


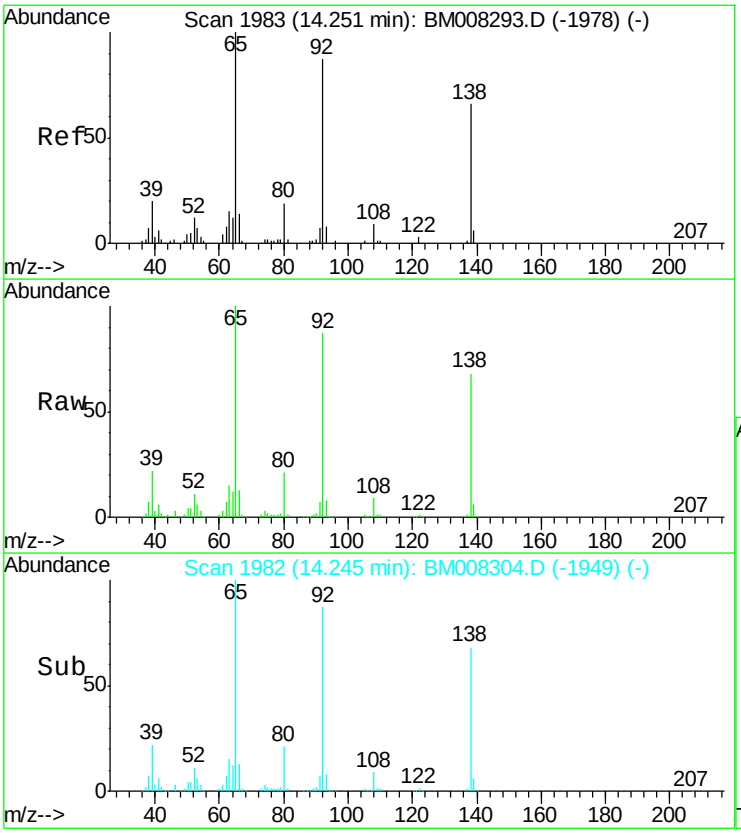
#45
2,6-Dinitrotoluene
Concen: 15.14 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:165 Resp: 69782

Ion	Ratio	Lower	Upper
165	100		
89	69.6	52.0	78.0
121	24.5	18.6	27.8

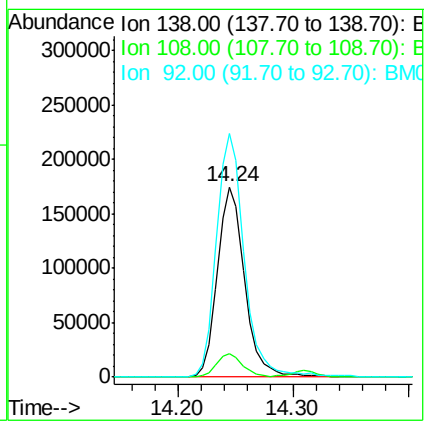


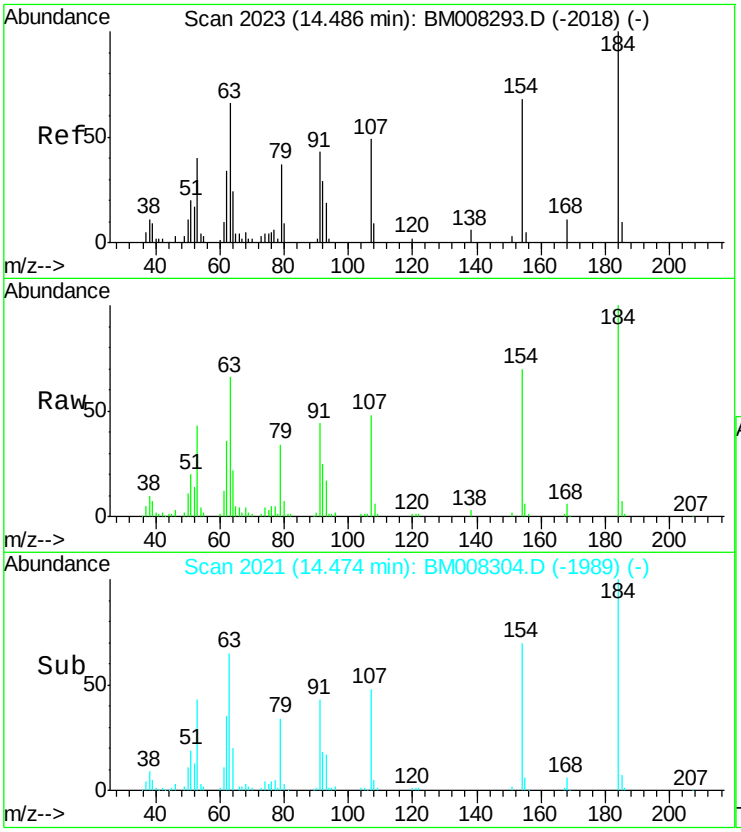


#48
3-Nitroaniline
Concen: 62.37 ng/ul
RT: 14.24 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:138 Resp: 286382

Ion	Ratio	Lower	Upper
138	100		
108	12.6	9.0	13.6
92	127.9	100.6	150.8



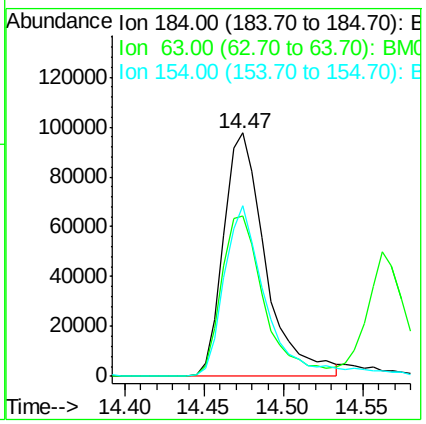


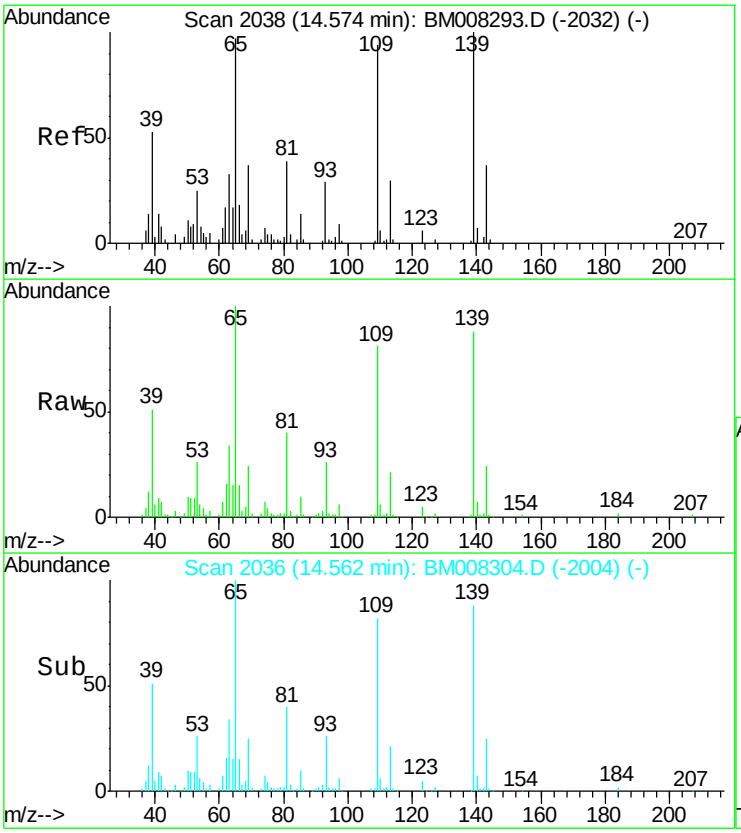
#50
2,4-Dinitrophenol
Concen: 67.11 ng/ul
RT: 14.47 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:184 Resp: 179389

Ion	Ratio	Lower	Upper
184	100		
63	65.9	51.9	77.9
154	70.1	48.5	72.7

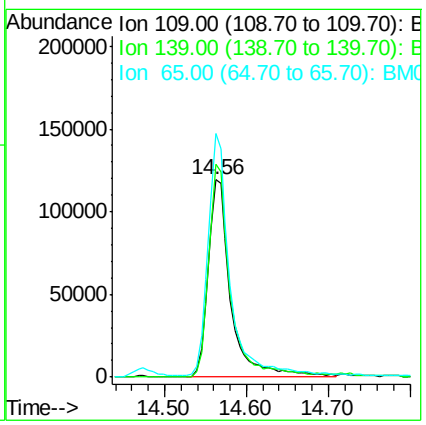


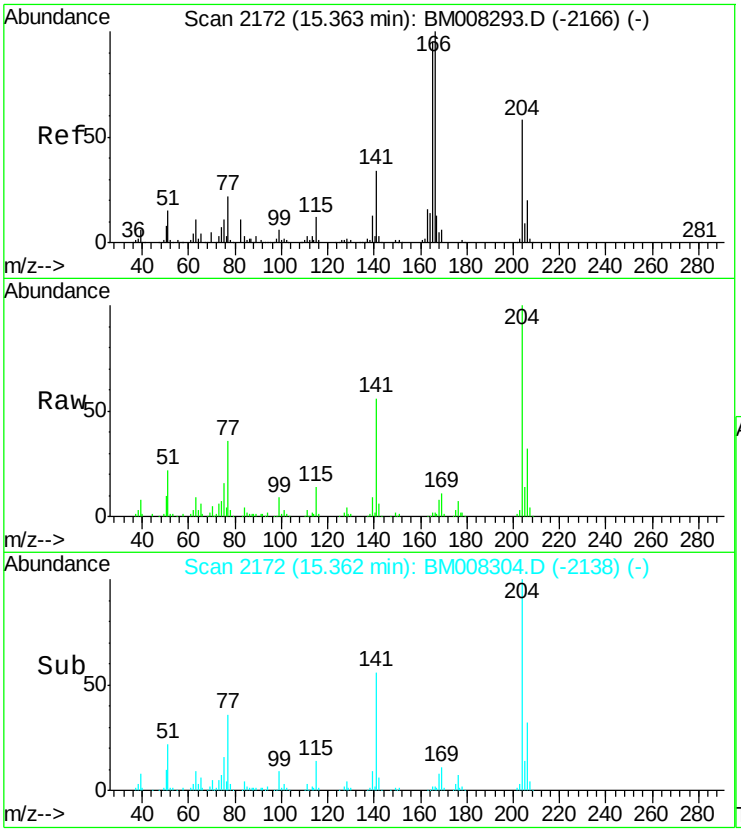


#52
4-Nitrophenol
Concen: 67.56 ng/ul
RT: 14.56 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:109 Resp: 230433

Ion	Ratio	Lower	Upper
109	100		
139	108.0	83.3	124.9
65	123.3	93.0	139.4



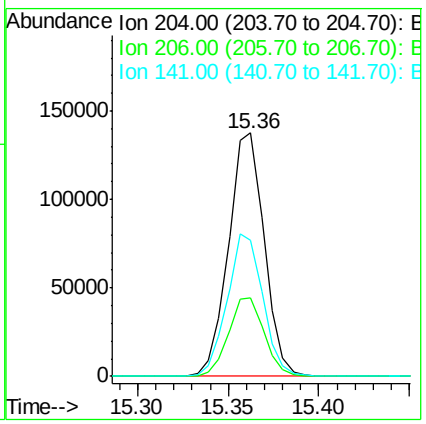


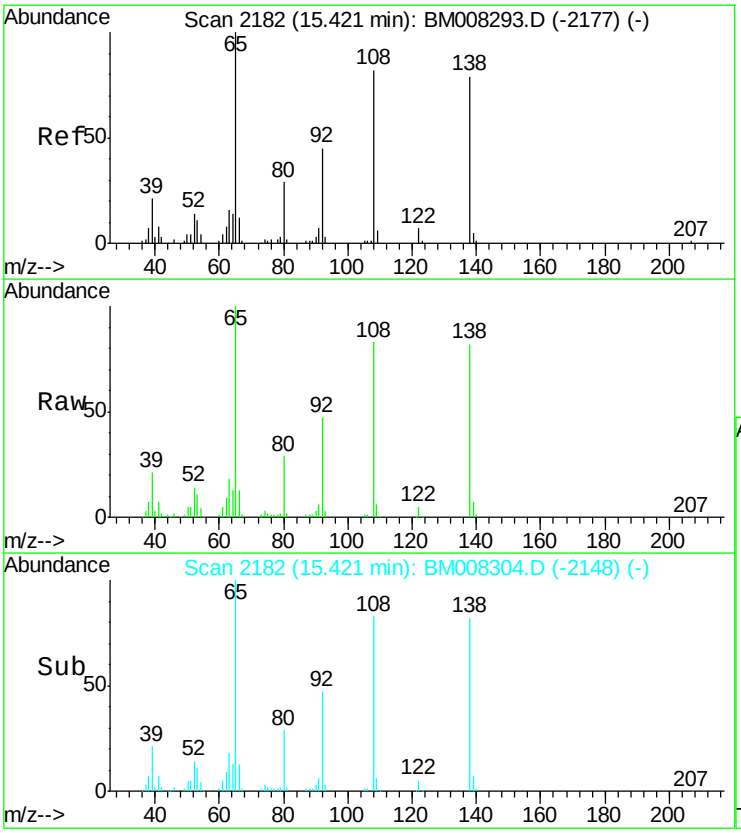
#59
4-Chlorophenyl-phenylether
Concen: 14.83 ng/ul
RT: 15.36 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:204 Resp: 188238

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	55.7	46.1	69.1

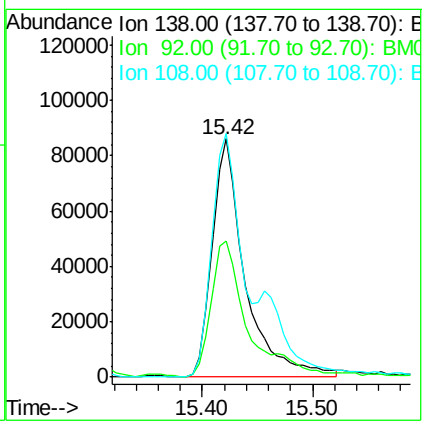


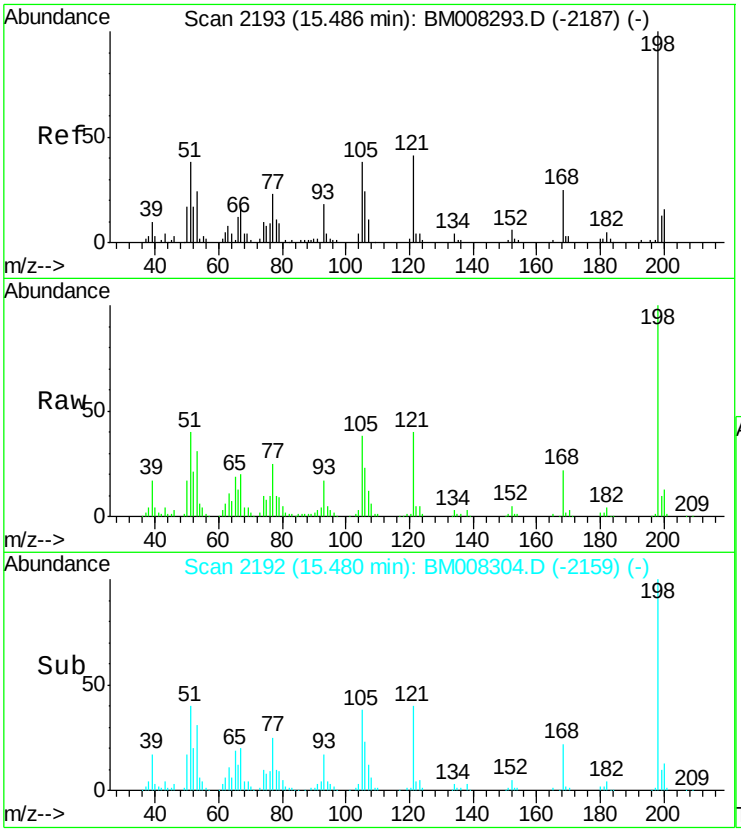


#60
4-Nitroaniline
Concen: 40.26 ng/ul
RT: 15.42 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:138 Resp: 177890

Ion	Ratio	Lower	Upper
138	100		
92	57.1	50.8	76.2
108	102.3	84.2	126.4



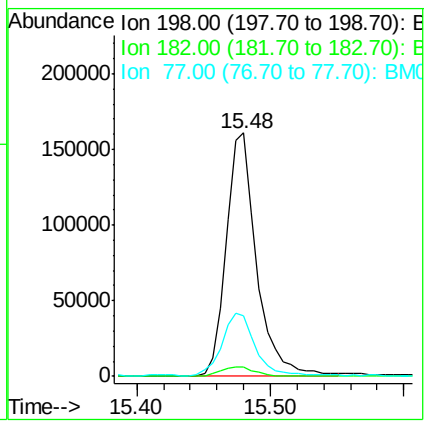


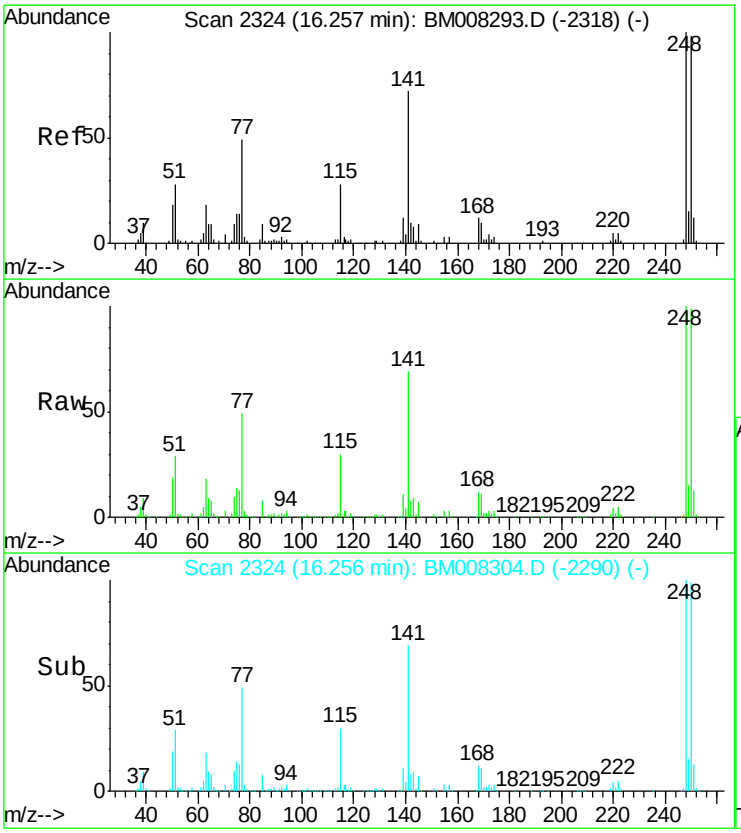
#63
4,6-Dinitro-2-methylphenol
Concen: 59.13 ng/ul
RT: 15.48 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:198 Resp: 257620

Ion	Ratio	Lower	Upper
198	100		
182	3.7	4.2	6.2#
77	24.8	23.0	34.4

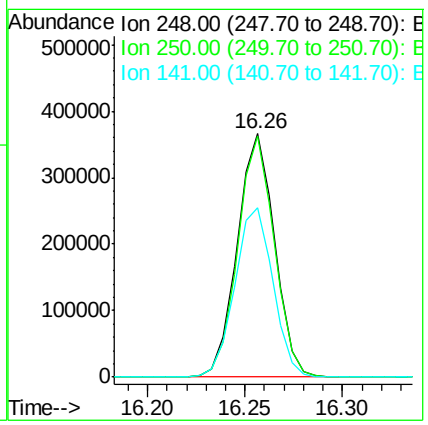


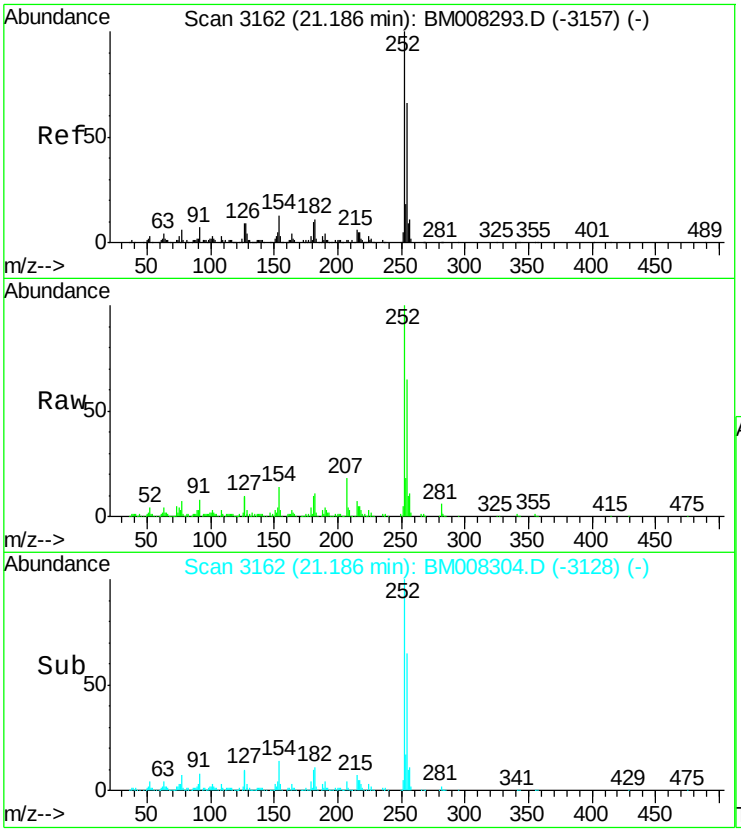


#65
4-Bromophenyl-phenylether
Concen: 61.88 ng/ul
RT: 16.26 min Scan# 2324
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Tgt Ion:248 Resp: 485144

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.8	116.6
141	69.4	54.9	82.3





#79
3,3'-Dichlorobenzidine
Concen: 22.98 ng/ul
RT: 21.19 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BM008304.D
Acq: 14 Dec 2016 11:42

Instrument :
BNA_M
ClientSampleId :
DA8N5

Tgt Ion:252 Resp: 368477

Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.4	75.6
126	9.2	6.8	10.2