Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QC2

Quant Time: Feb 16 01:01:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	25760	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	117943	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	70896	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	157463	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	141622	20.00	ng/ul	0.00
86) Perylene-d12	23.50	264	116713	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.11	96	1672	3.27	ng/uL	0.00
5) Phenol-d5	6.83	99	48054	23.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	26166	23.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	43476	23.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	42904	24.34	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	21861	24.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	22923	22.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	44650	24.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	29267	13.45	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	150188	25.46	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	200679	28.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	24829	26.01	ng/ul	0.00
58) Fluorene-d10	15.30	176	151875	30.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.44	200	17306	18.05	ng/ul	0.00
71) Anthracene-d10	17.16	188	254370	33.04	ng/ul	0.00
79) Pyrene-d10	19.47	212	278938	37.11	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.36	264	214069	34.37	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.07	93	51507	30.63	ng/ul	96
10) 2-Chlorophenol	7.21	128	7370	3.86	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.17	45	35823	21.84	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.45	70	18577	13.71	ng/ul	96
17) Hexachloroethane	8.71	117	10085	13.27	ng/ul	97
21) Isophorone	9.36	82	29303	7.41	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.85	93	75915	31.15	ng/ul	99
27) 2,4-Dichlorophenol	10.09	162	25628	13.48	ng/ul	99
28) Naphthalene	10.48	128	41156	6.27	ng/ul	99
30) 4-Chloroaniline	10.60	127	2345	1.02	ng/ul	92
35) 1-Methylnaphthalene	12.33	142	58734	13.13	ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.49	216	31535	12.71	ng/ul	98
38) Hexachlorocyclopentadiene	12.46	237	13996	11.93	ng/ul	99
39) 2,4,6-Trichlorophenol	12.80	196	34558	22.02	ng/ul	99
40) 2,4,5-Trichlorophenol	12.80	196	34558	20.45	ng/ul	99
42) 2-Chloronaphthalene	13.17	162	97241	20.18	ng/ul	99
45) Dimethylphthalate	13.76	163	48213	7.82	ng/ul	99
46) 2,6-Dinitrotoluene	13.89	165	28012	23.04	ng/ul	100
48) Acenaphthylene	14.03	152	58874	7.52	ng/ul	99
54) Dibenzofuran	14.71	168	67482	9.21	ng/ul	98
55) 2,4-Dinitrotoluene	14.69	165	17535	10.03	ng/ul	98
59) Fluorene	15.36	166	139182	23.57	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.35	204	35399	12.08	ng/ul	99

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QC2

Quant Time: Feb 16 01:01:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	15.36	138	1669	1.30	ng/ul#	15
66) 4-Bromophenyl-phenylether	16.25	248	28099	15.41	ng/ul	93
67) Hexachlorobenzene	16.37	284	25719	12.54	ng/ul	96
69) Pentachlorophenol	16.72	266	29848	31.44	ng/ul	98
72) Anthracene	17.19	178	112290	11.62	ng/ul	99
75) Carbazole	17.47	167	100416	12.35	ng/ul	99
81) Butylbenzylphthalate	20.40	149	111999	27.32	ng/ul	97
83) Benzo(a)anthracene	21.26	228	185613	20.36	ng/ul	99
85) Chrysene	21.26	228	185613	21.57	ng/ul	96
87) Di-n-octyl phthalate	22.06	149	227963	25.61	ng/ul	98
88) Benzo(b)fluoranthene	22.83	252	179586	23.26	ng/ul	99
89) Benzo(k)fluoranthene	22.88	252	77499	10.51	ng/ul	100

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
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Instrument : BNA_M
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Quant Time: Feb 16 01:01:49 2016
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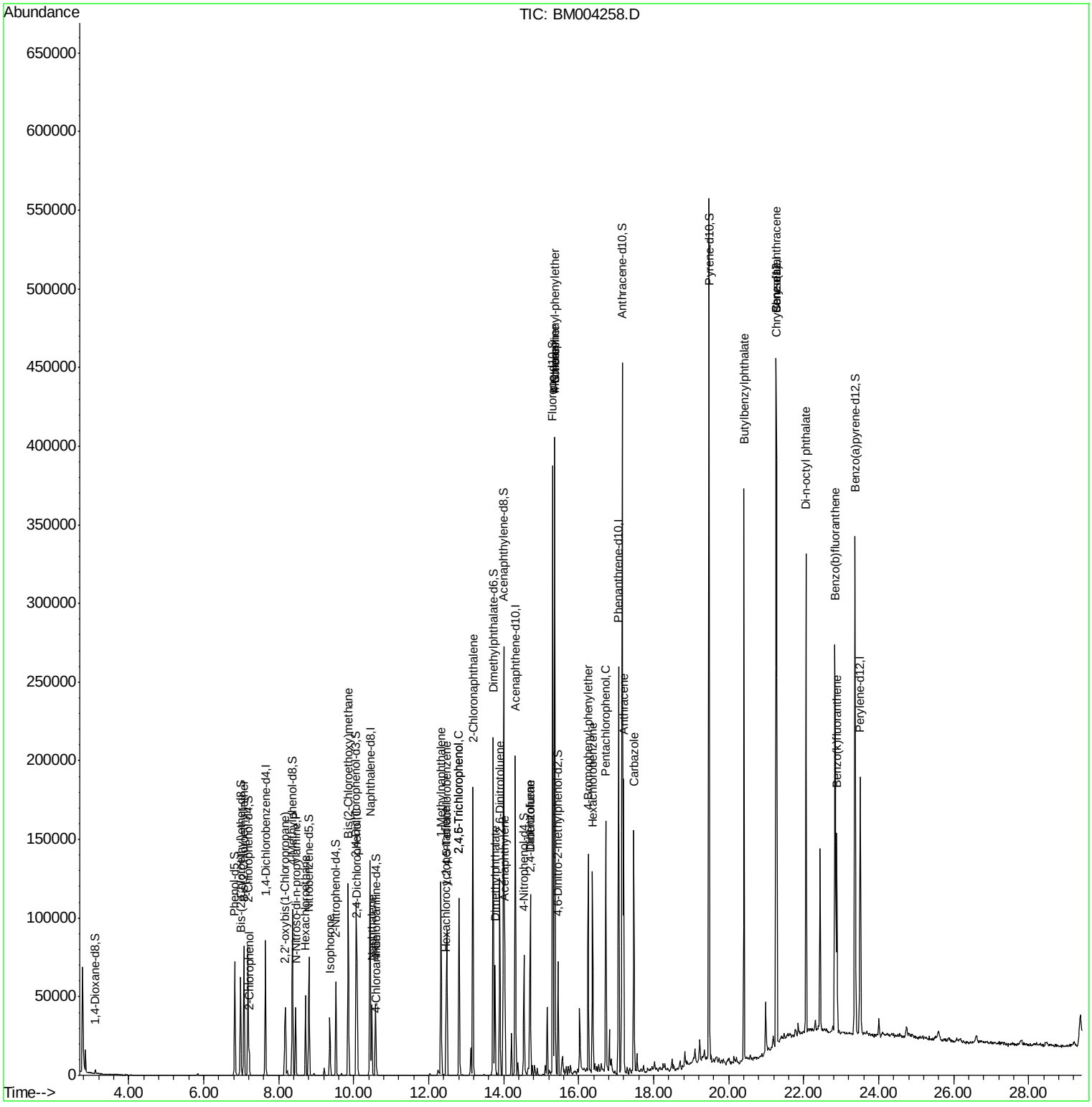
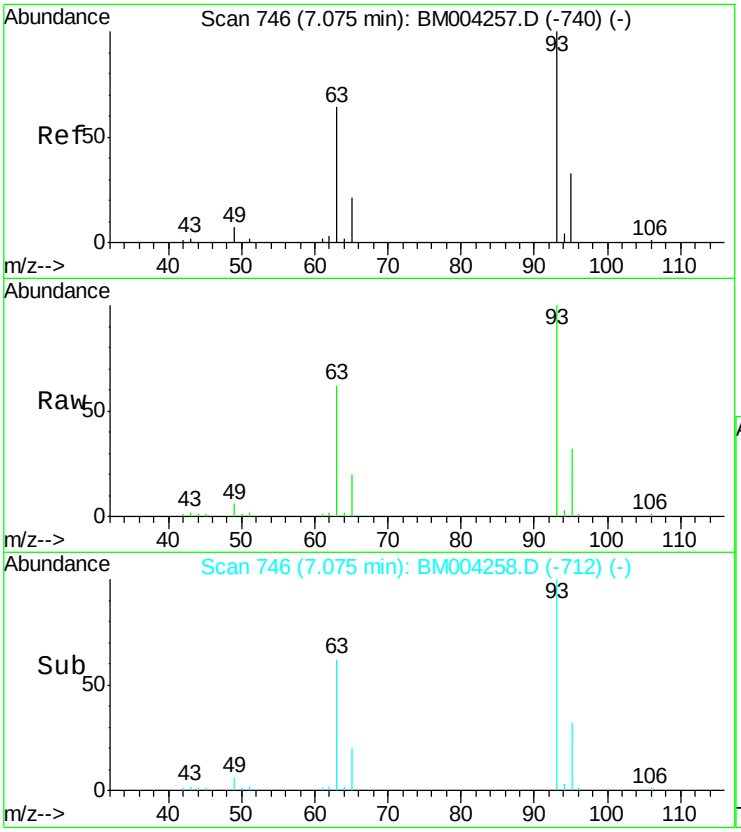
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration



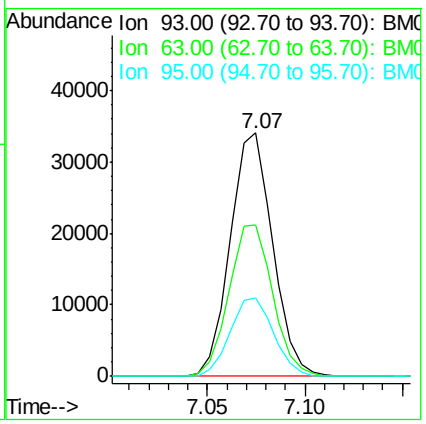


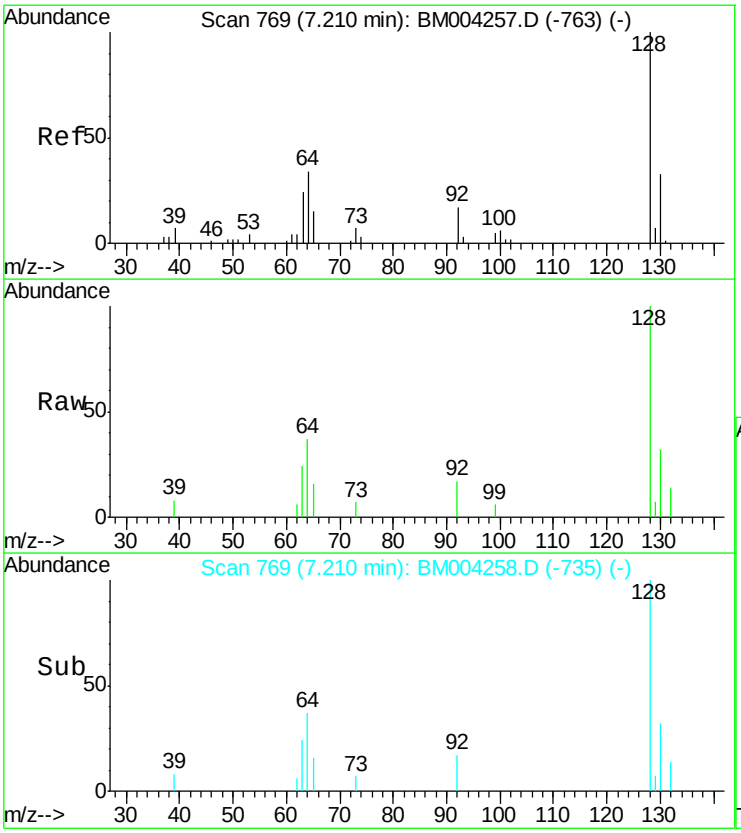
#8
Bis(2-Chloroethyl)ether
Concen: 30.63 ng/ul
RT: 7.07 min Scan# 746
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion: 93 Resp: 51507

Ion	Ratio	Lower	Upper
93	100		
63	62.2	53.5	80.3
95	32.4	26.2	39.2

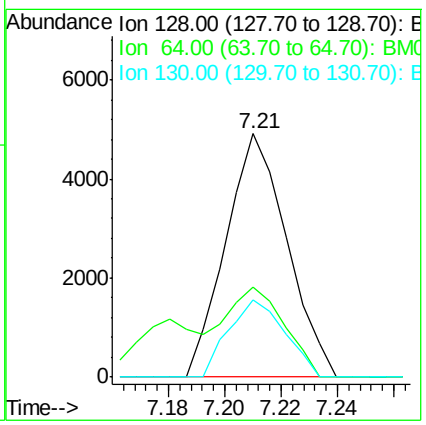


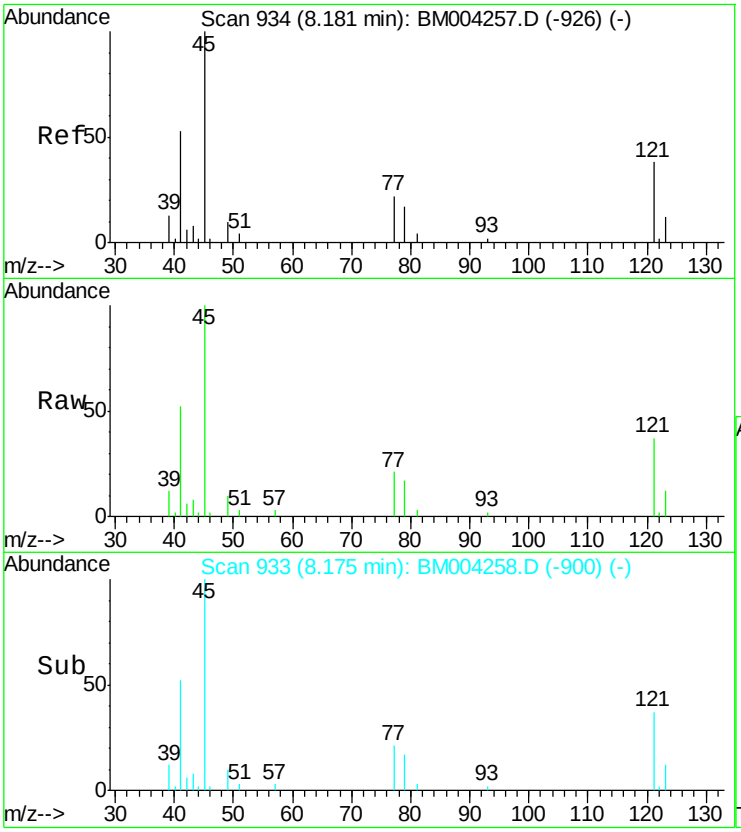


#10
2-Chlorophenol
Concen: 3.86 ng/ul
RT: 7.21 min Scan# 769
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:128 Resp: 7370

Ion	Ratio	Lower	Upper
128	100		
64	37.0	31.9	47.9
130	31.8	25.6	38.4



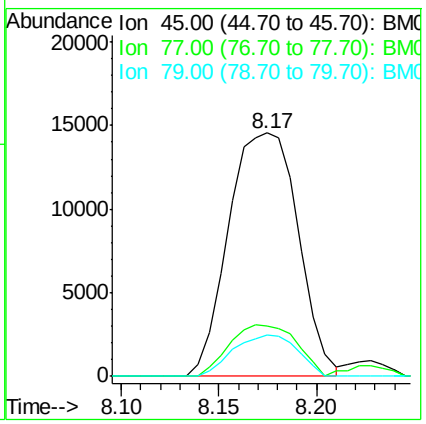


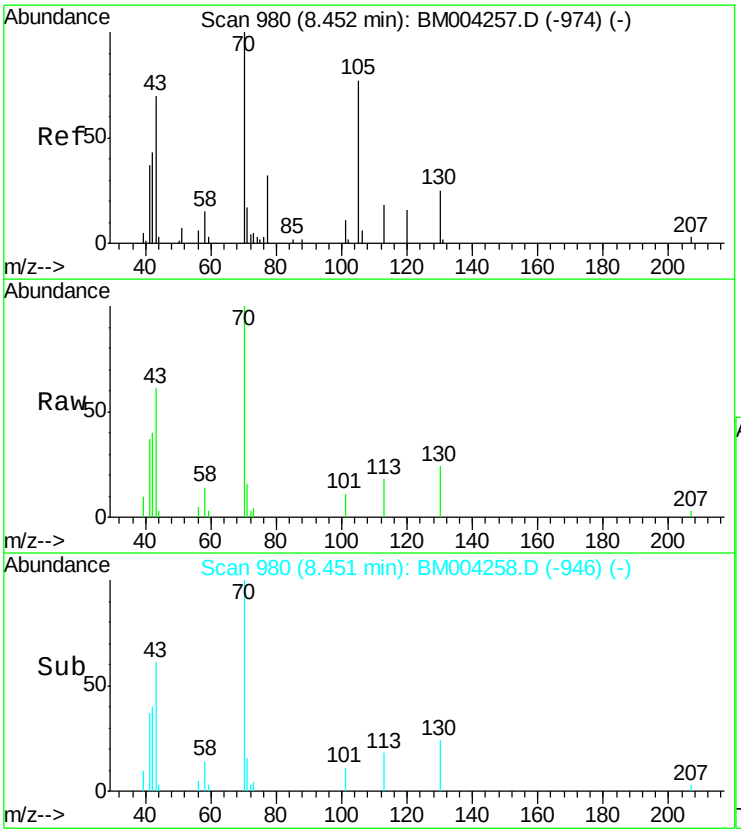
#12
2,2'-oxybis(1-Chloropropane)
Concen: 21.84 ng/ul
RT: 8.17 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion: 45 Resp: 35823

Ion	Ratio	Lower	Upper
45	100		
77	20.7	15.9	23.9
79	16.8	12.5	18.7

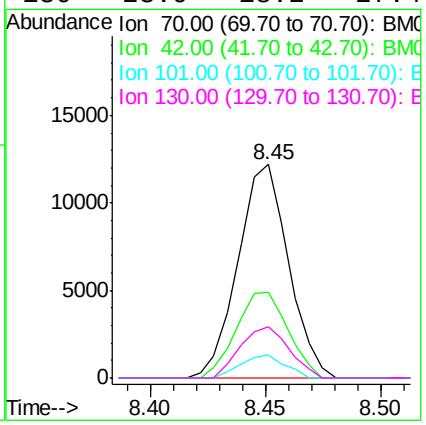


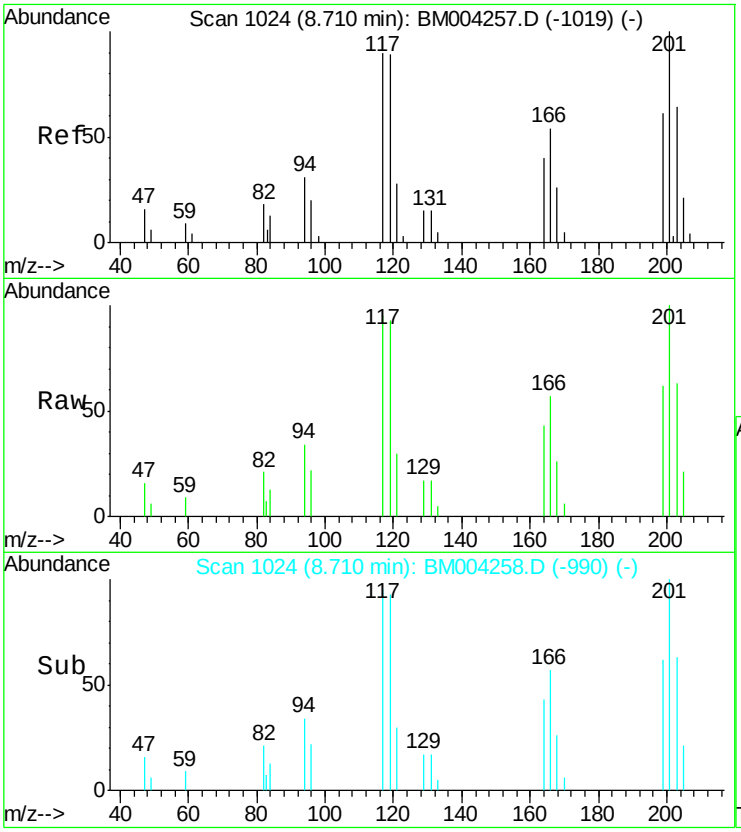


#15
N-Nitroso-di-n-propylamine
Concen: 13.71 ng/ul
RT: 8.45 min Scan# 980
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion: 70 Resp: 18577

Ion	Ratio	Lower	Upper
70	100		
42	40.1	35.4	53.0
101	10.7	8.4	12.6
130	23.9	18.2	27.4



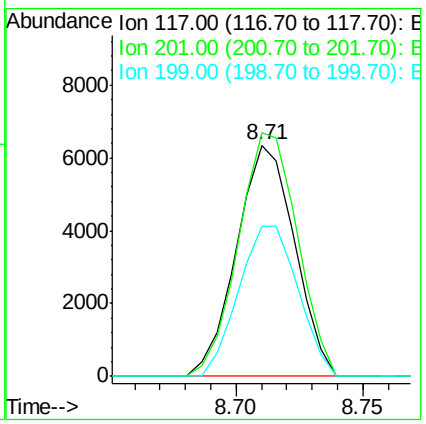


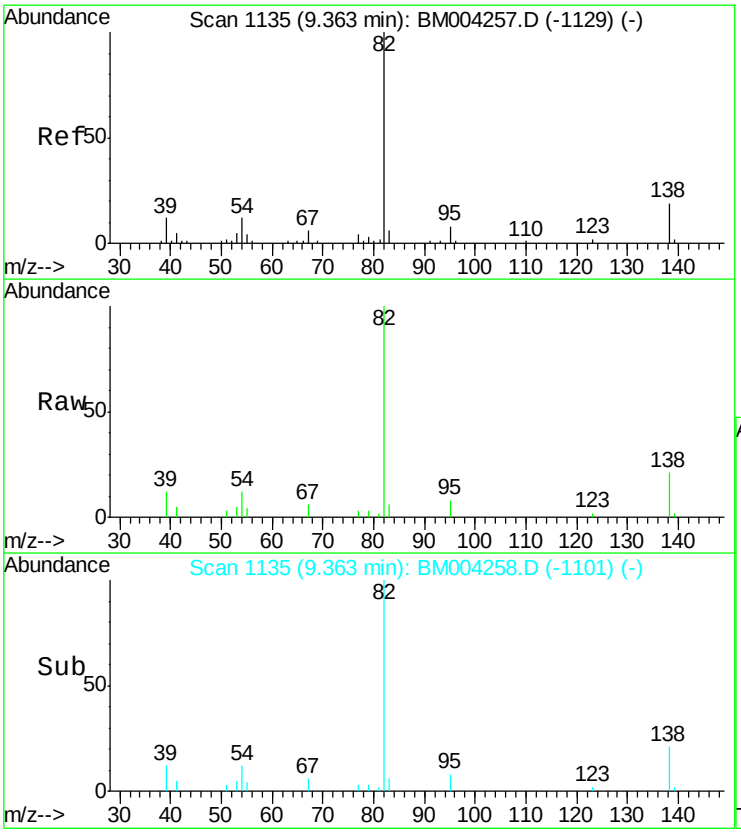
#17
Hexachloroethane
Concen: 13.27 ng/ul
RT: 8.71 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:117 Resp: 10085

Ion	Ratio	Lower	Upper
117	100		
201	105.3	81.5	122.3
199	65.2	50.6	76.0

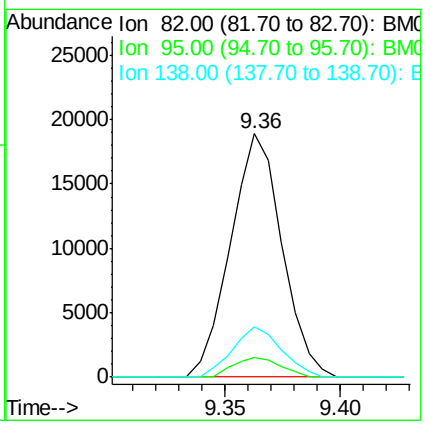


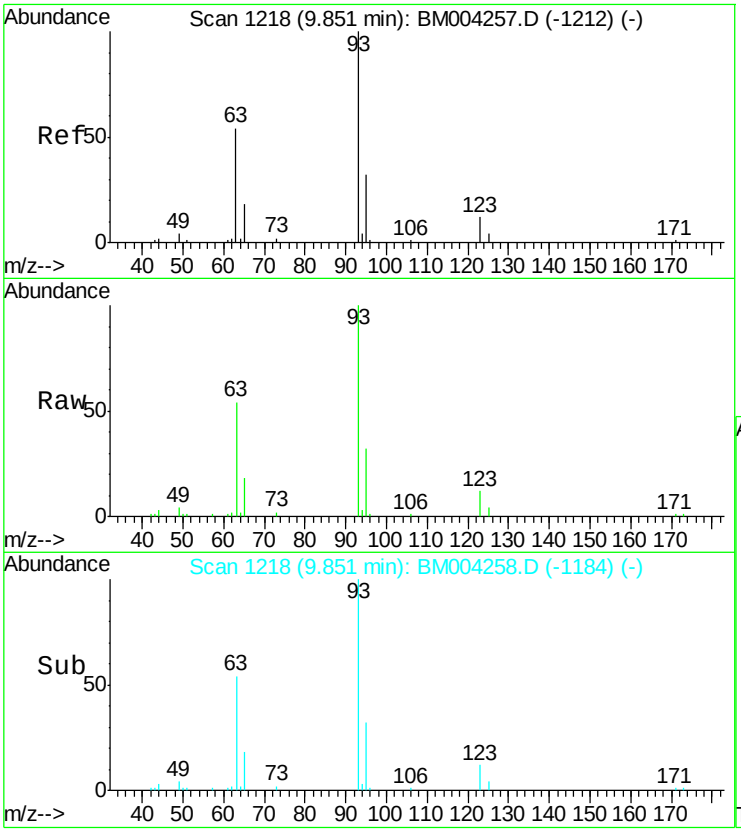


#21
Isophorone
Concen: 7.41 ng/ul
RT: 9.36 min Scan# 1135
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion: 82 Resp: 29303

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	20.5	14.9	22.3



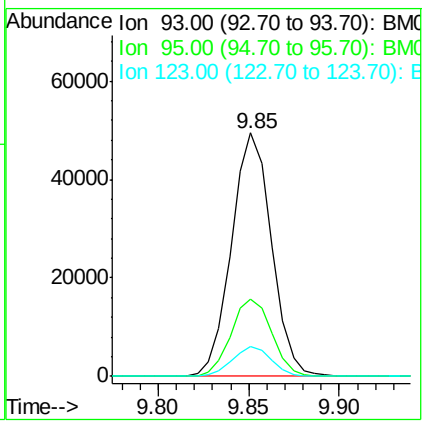


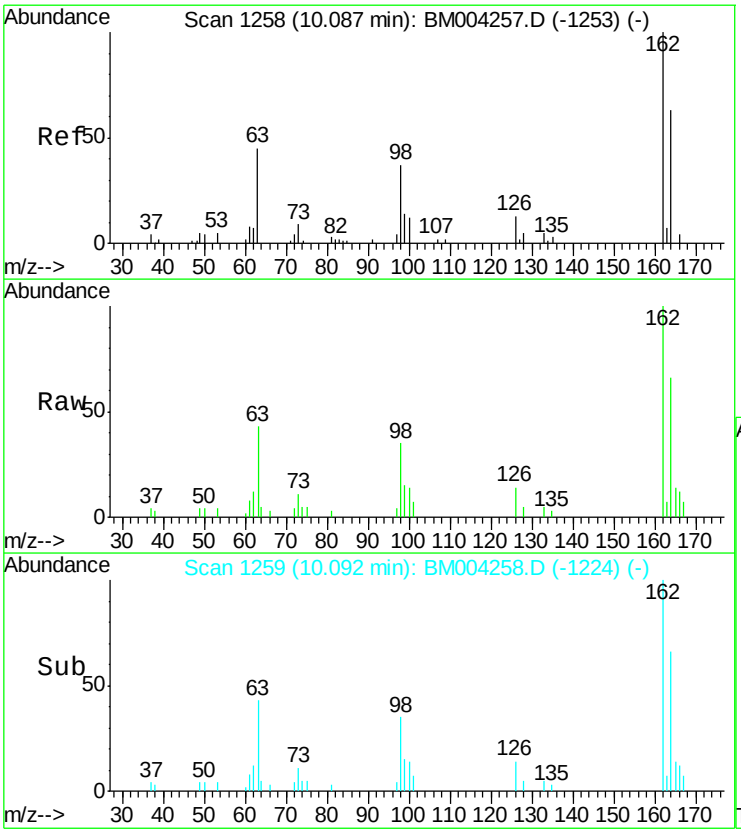
#25
Bis(2-Chloroethoxy)methane
Concen: 31.15 ng/ul
RT: 9.85 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion: 93 Resp: 75915

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	12.3	9.8	14.8

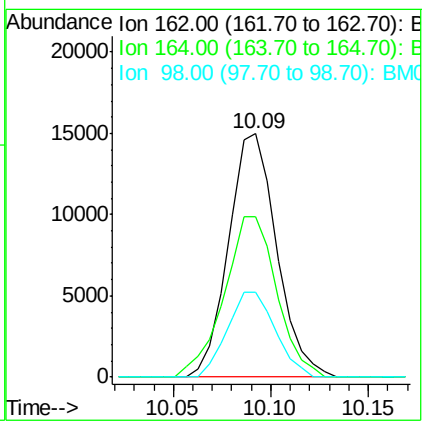


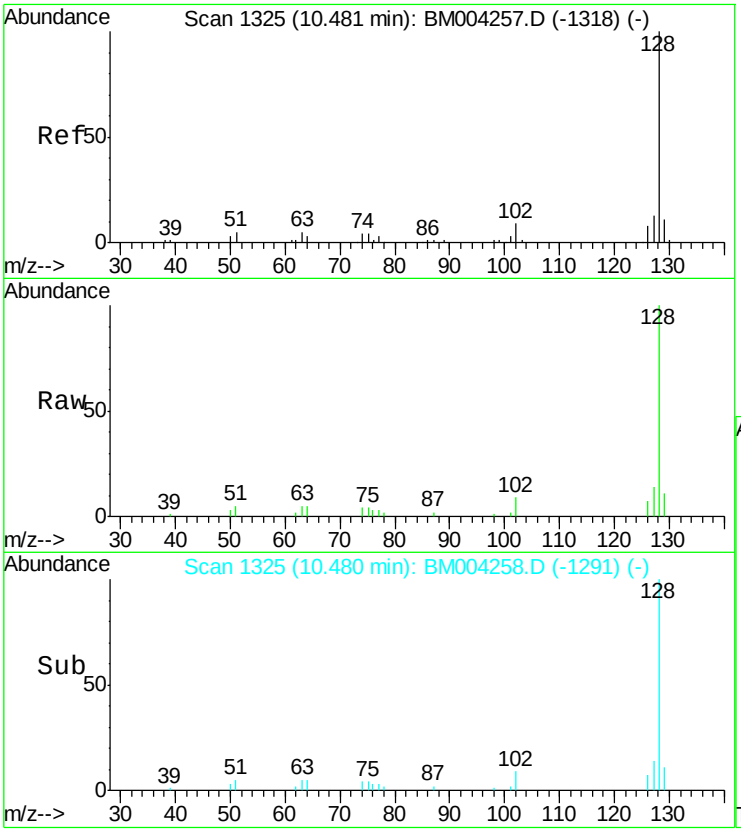


#27
2,4-Dichlorophenol
Concen: 13.48 ng/ul
RT: 10.09 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:162 Resp: 25628

Ion	Ratio	Lower	Upper
162	100		
164	65.9	52.1	78.1
98	34.7	28.4	42.6



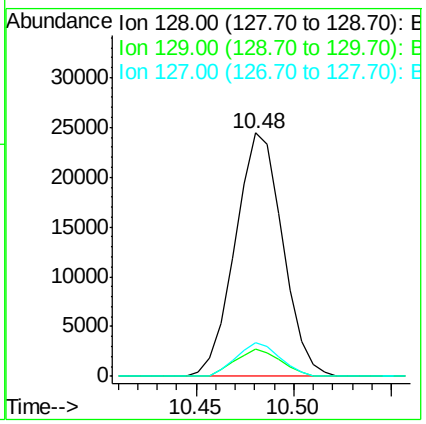


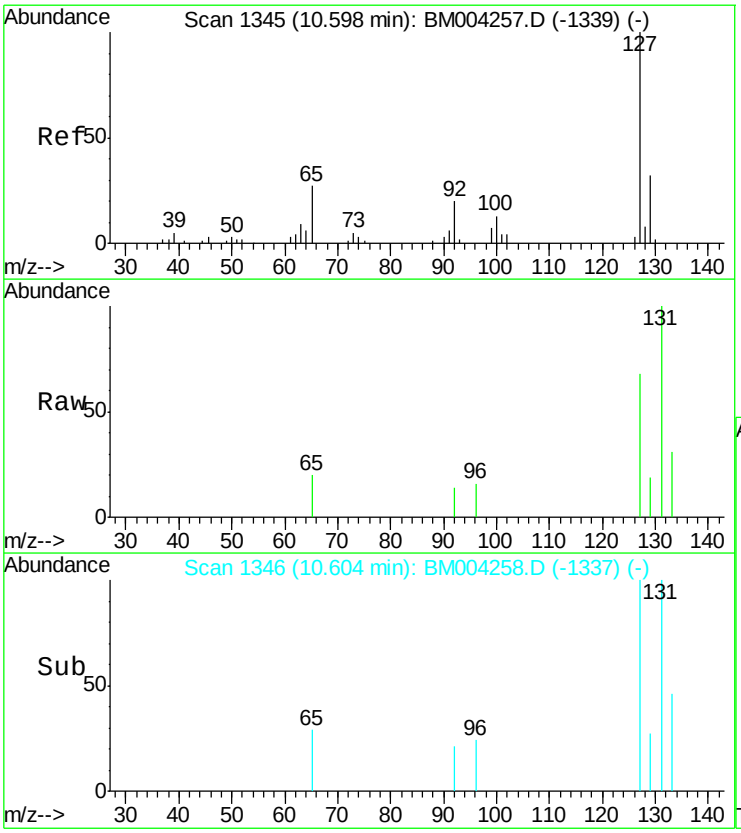
#28
Naphthalene
Concen: 6.27 ng/ul
RT: 10.48 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:128 Resp: 41156

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.6	10.5	15.7

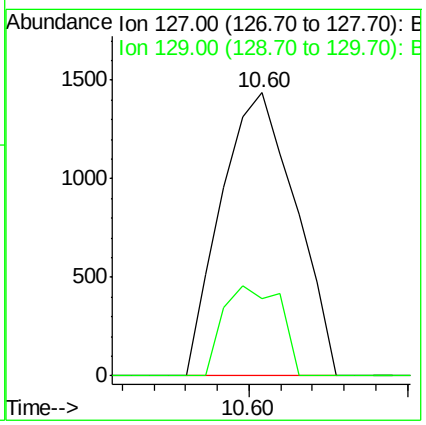


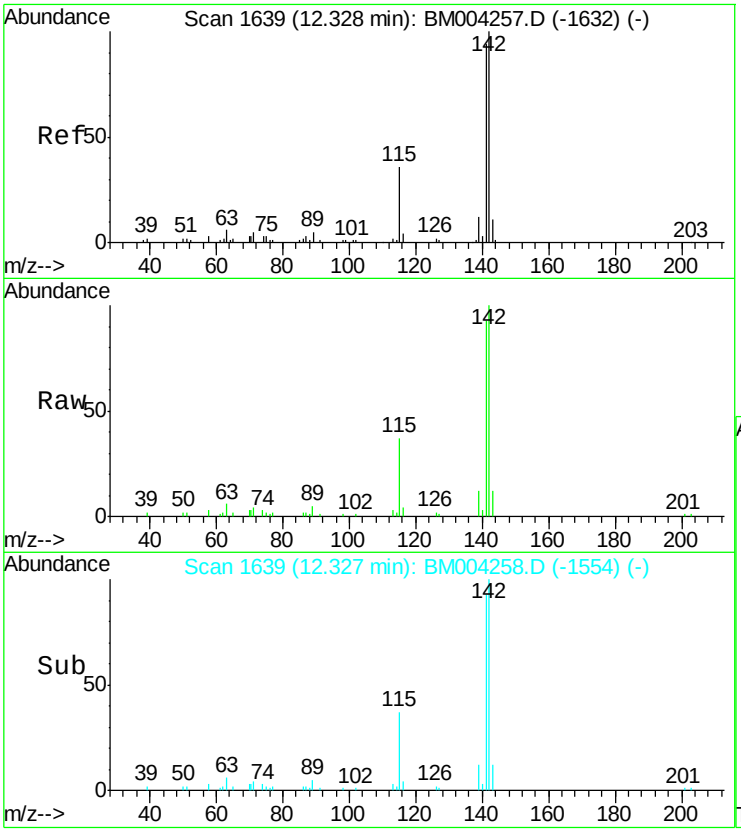


#30
4-Chloroaniline
Concen: 1.02 ng/ul
RT: 10.60 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:127 Resp: 2345

Ion	Ratio	Lower	Upper
127	100		
129	27.4	25.4	38.2



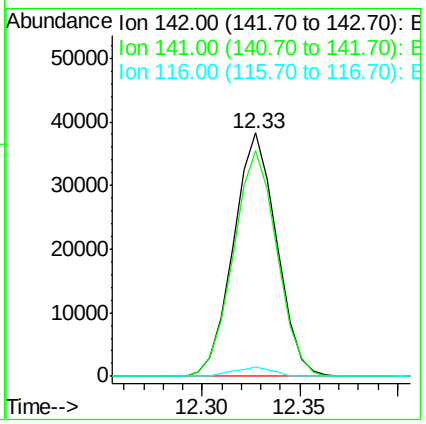


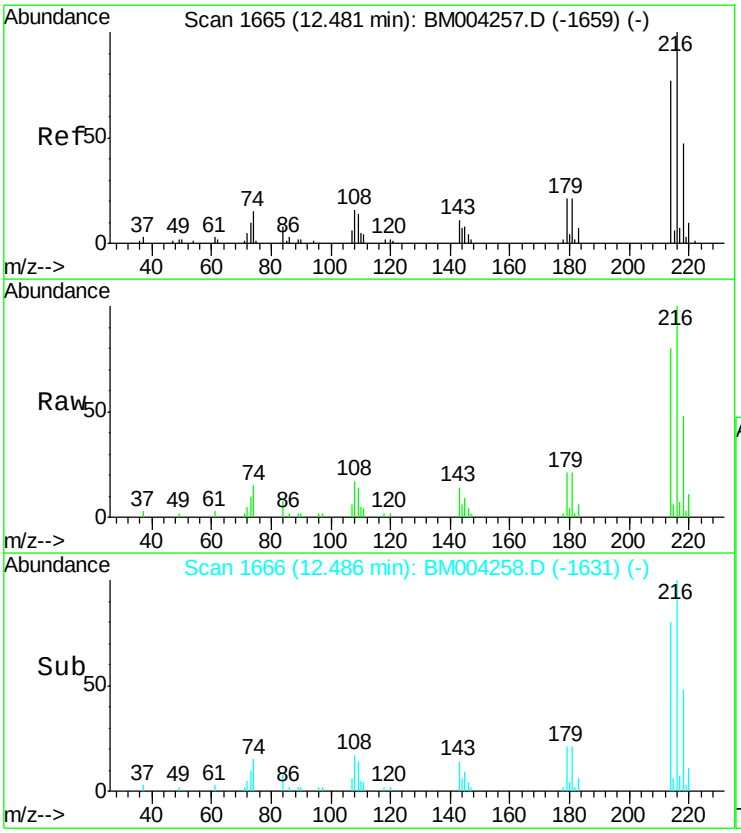
#35
1-Methylnaphthalene
Concen: 13.13 ng/ul
RT: 12.33 min Scan# 1639
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:142 Resp: 58734

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.9	112.3
116	3.9	3.1	4.7

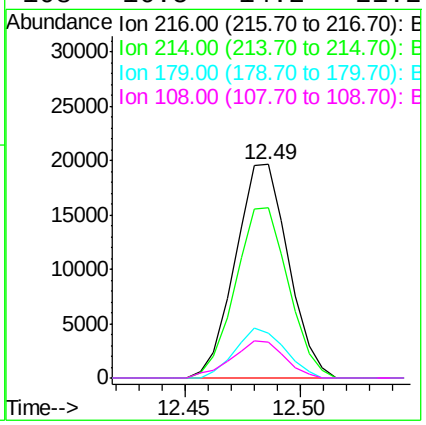


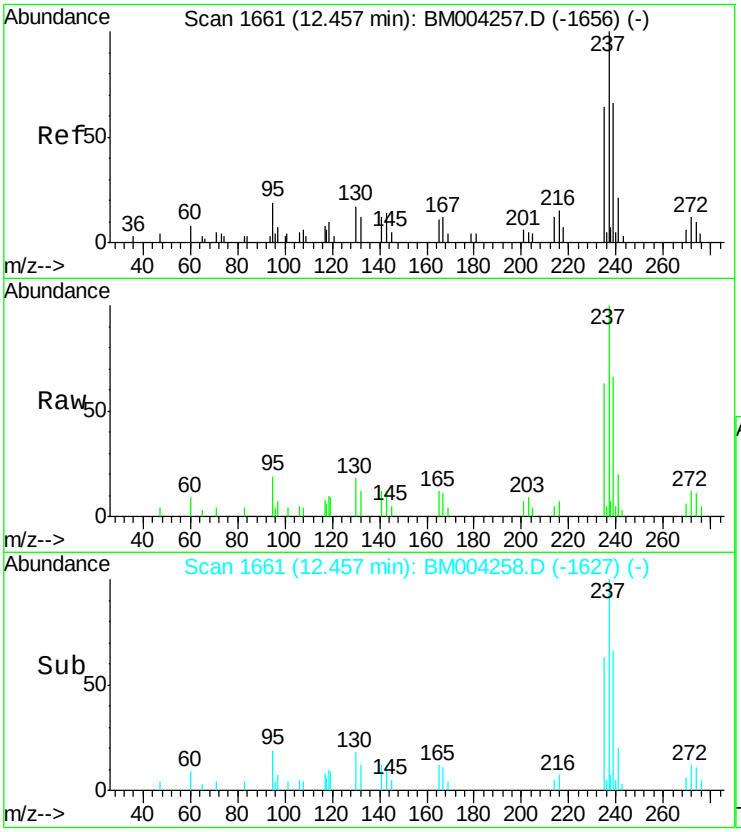


#37
1,2,4,5-Tetrachlorobenzene
Concen: 12.71 ng/ul
RT: 12.49 min Scan# 1666
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:216 Resp: 31535

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.5	93.7
179	21.0	18.2	27.2
108	16.5	14.2	21.2



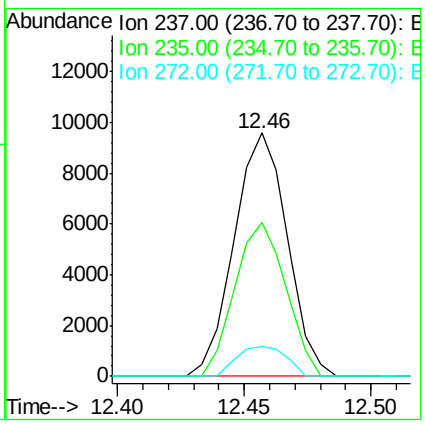


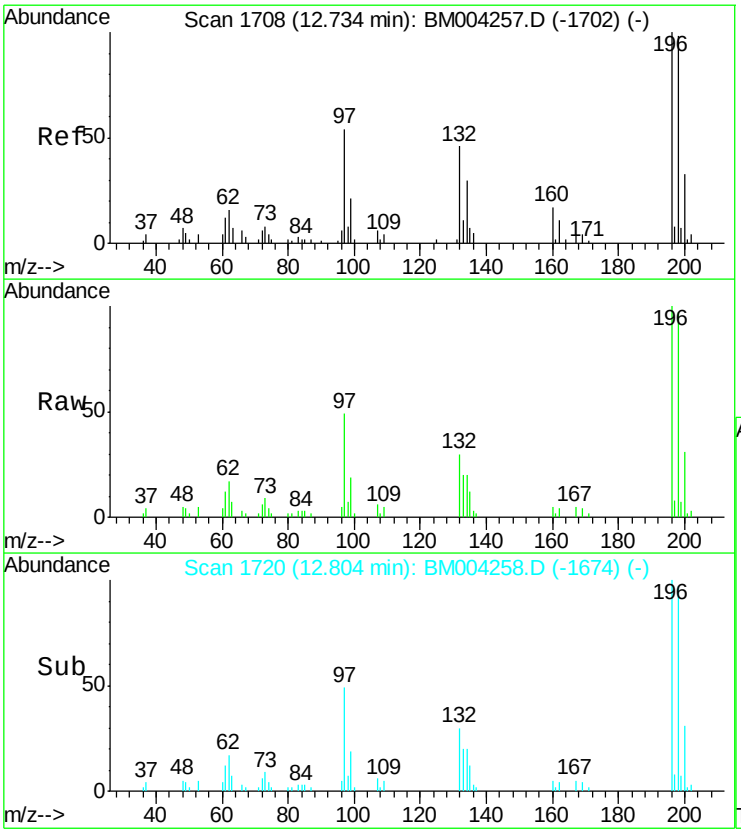
#38
Hexachlorocyclopentadiene
Concen: 11.93 ng/ul
RT: 12.46 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:237 Resp: 13996

Ion	Ratio	Lower	Upper
237	100		
235	63.4	50.4	75.6
272	12.4	9.6	14.4

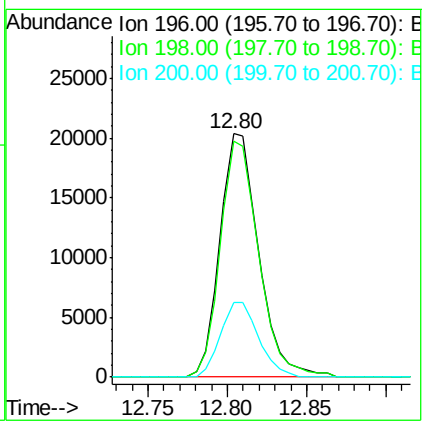


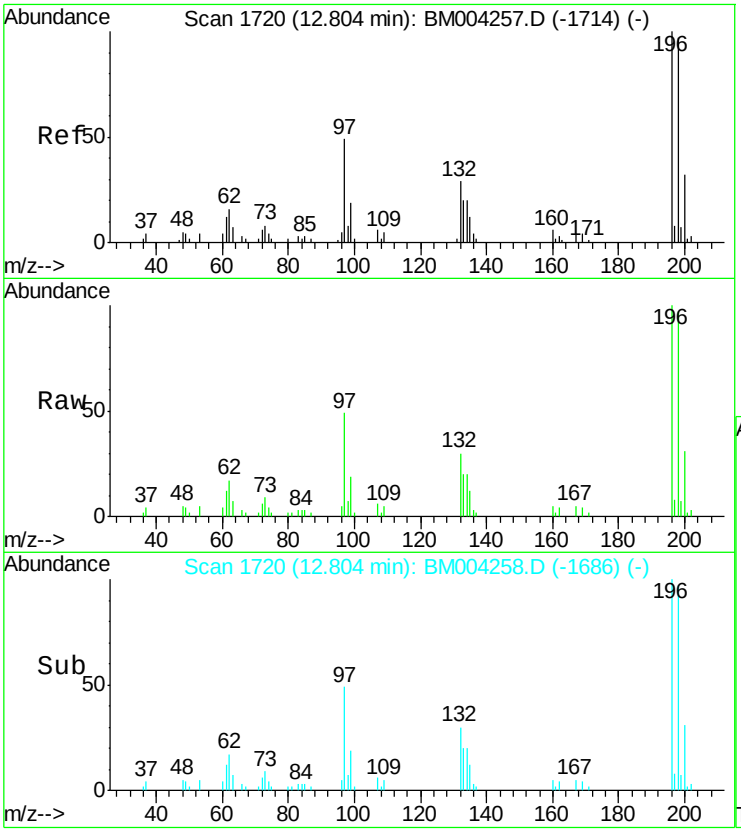


#39
2,4,6-Trichlorophenol
Concen: 22.02 ng/ul
RT: 12.80 min Scan# 1720
Delta R.T. 0.07 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:196 Resp: 34558

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.6	114.8
200	30.7	24.7	37.1



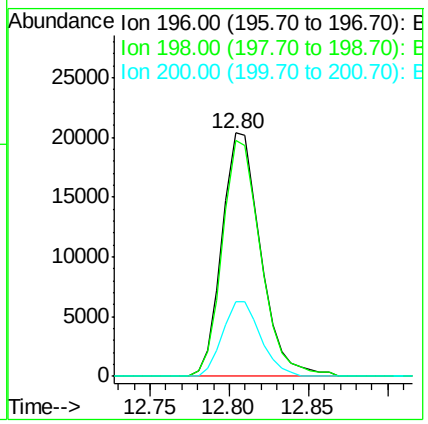


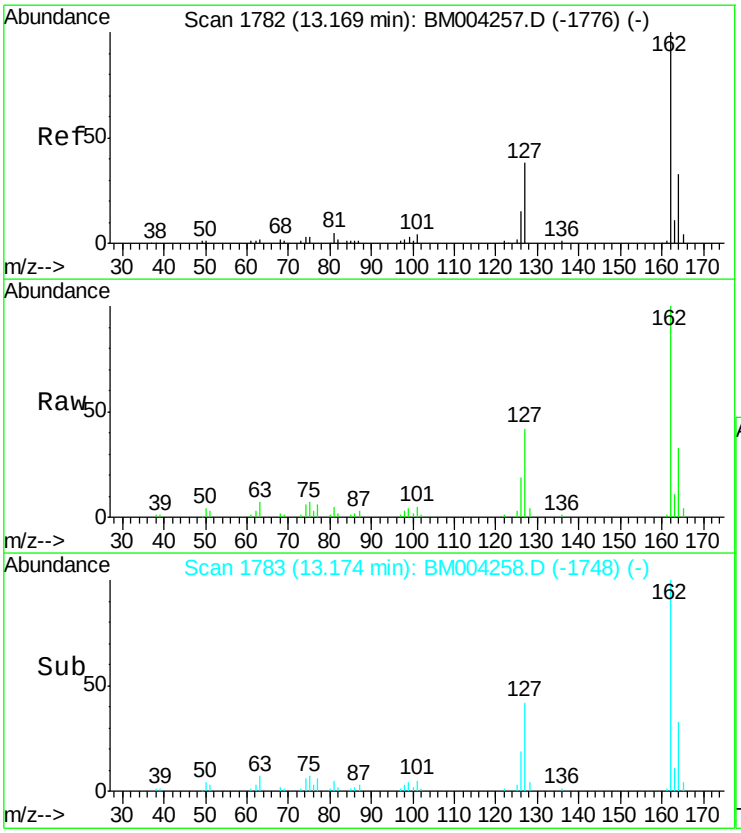
#40
2,4,5-Trichlorophenol
Concen: 20.45 ng/ul
RT: 12.80 min Scan# 1720
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:196 Resp: 34558

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.9	115.3
200	30.7	25.0	37.4

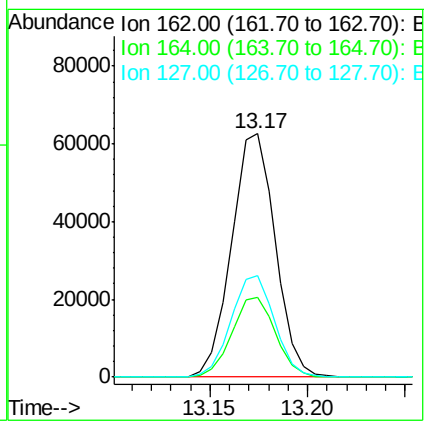


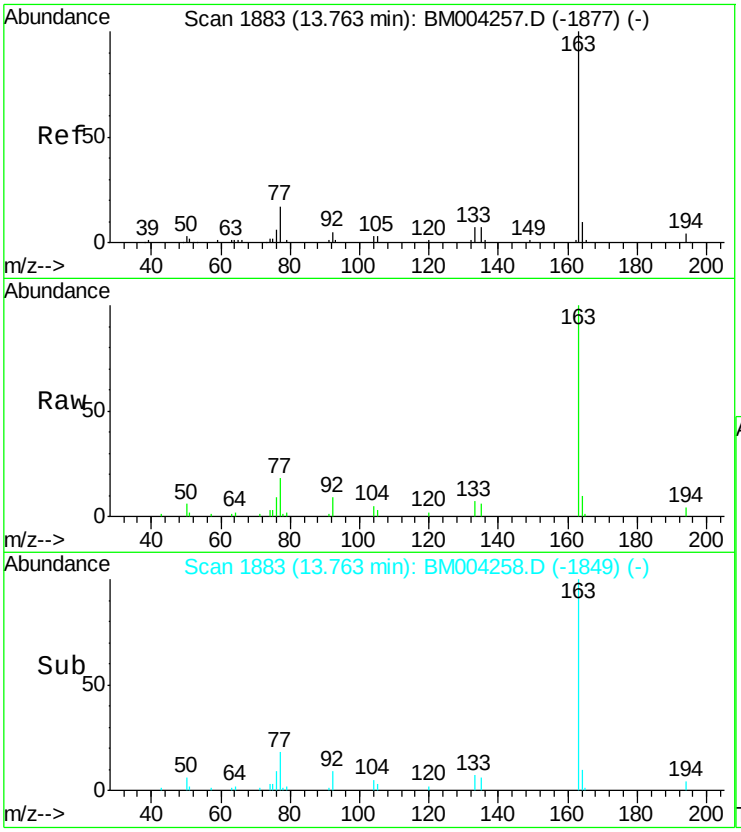


#42
2-Chloronaphthalene
Concen: 20.18 ng/ul
RT: 13.17 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:162 Resp: 97241

Ion	Ratio	Lower	Upper
162	100		
164	32.6	25.9	38.9
127	41.9	34.1	51.1



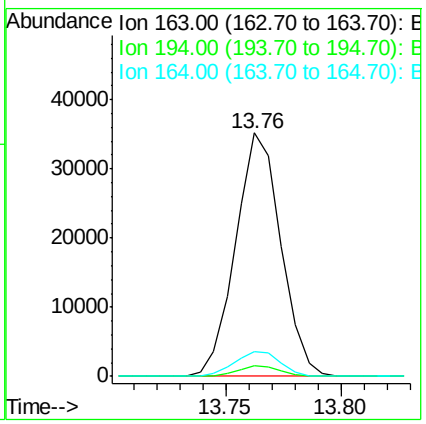


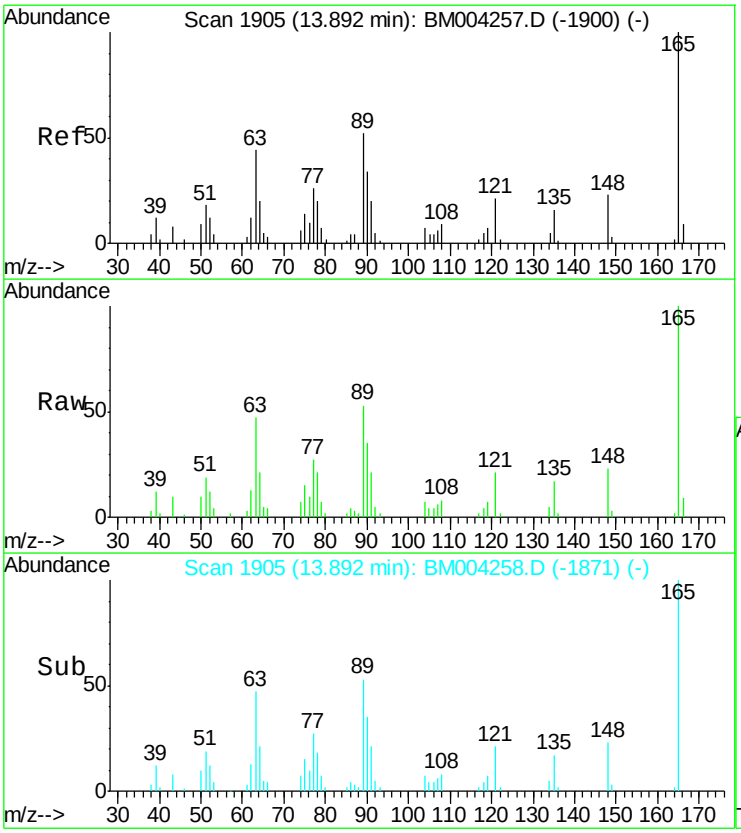
#45
Dimethylphthalate
Concen: 7.82 ng/ul
RT: 13.76 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:163 Resp: 48213

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	7.8	11.8

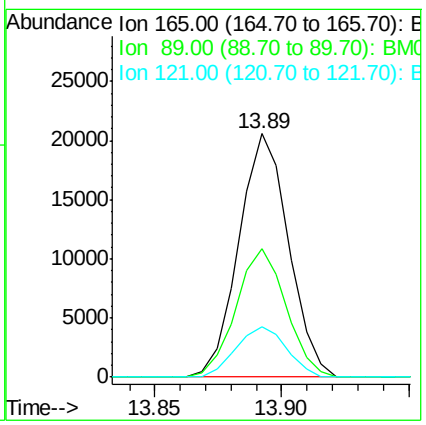


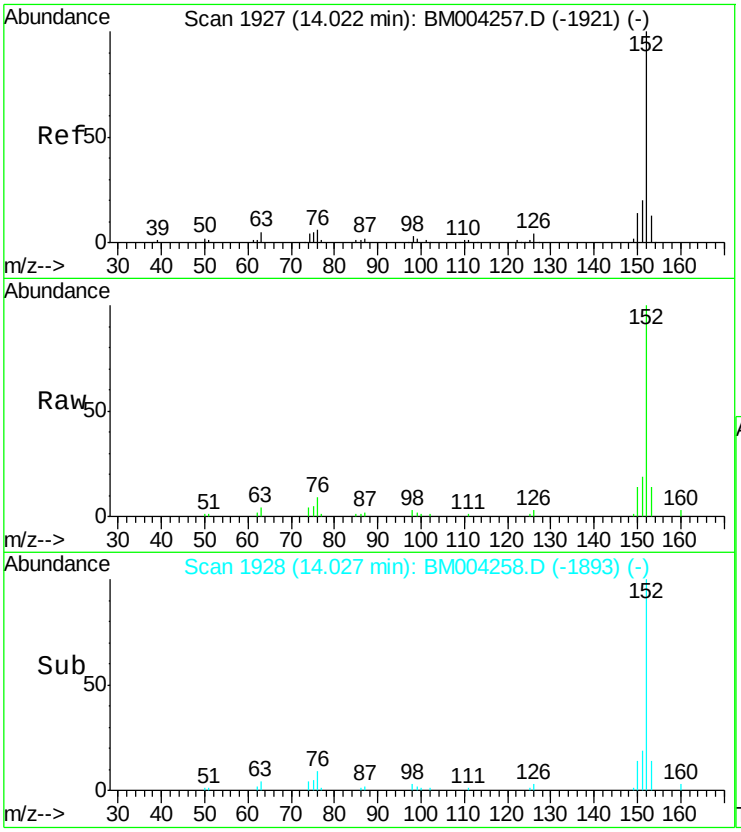


#46
2,6-Dinitrotoluene
Concen: 23.04 ng/ul
RT: 13.89 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:165 Resp: 28012

Ion	Ratio	Lower	Upper
165	100		
89	52.9	42.4	63.6
121	20.8	16.6	24.8



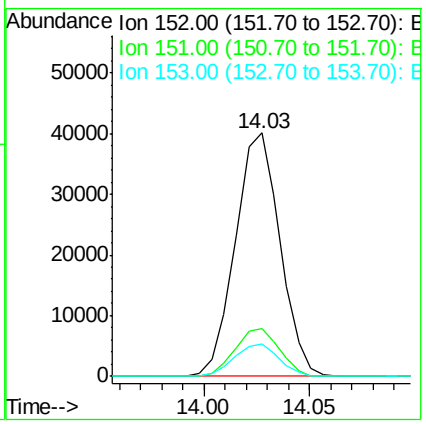


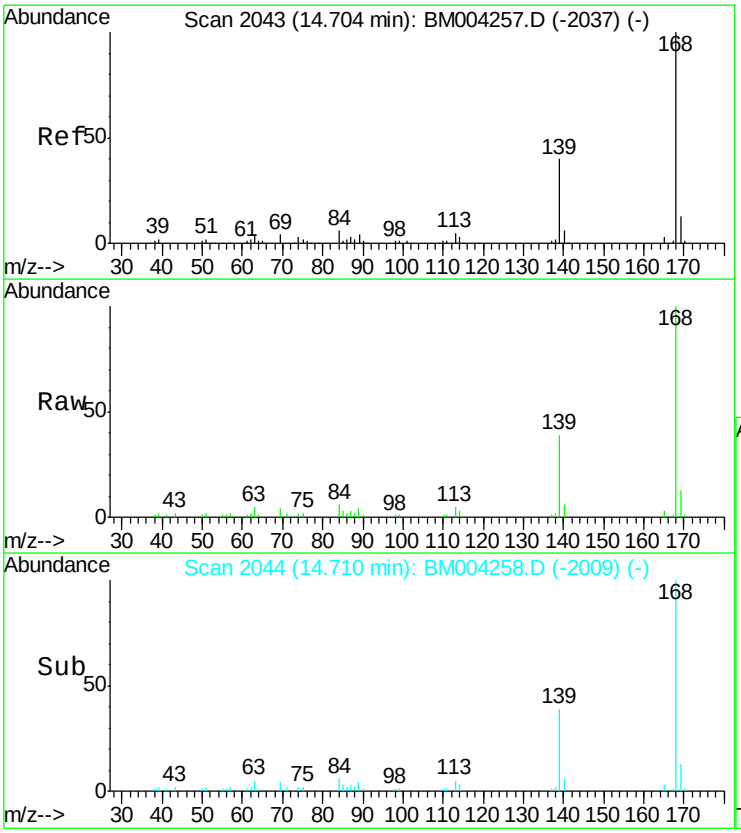
#48
Acenaphthylene
Concen: 7.52 ng/ul
RT: 14.03 min Scan# 1928
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:152 Resp: 58874

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.5	10.5	15.7

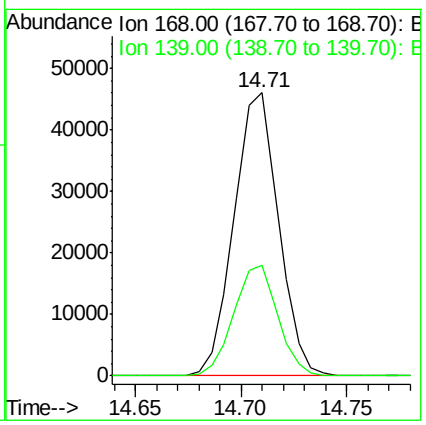


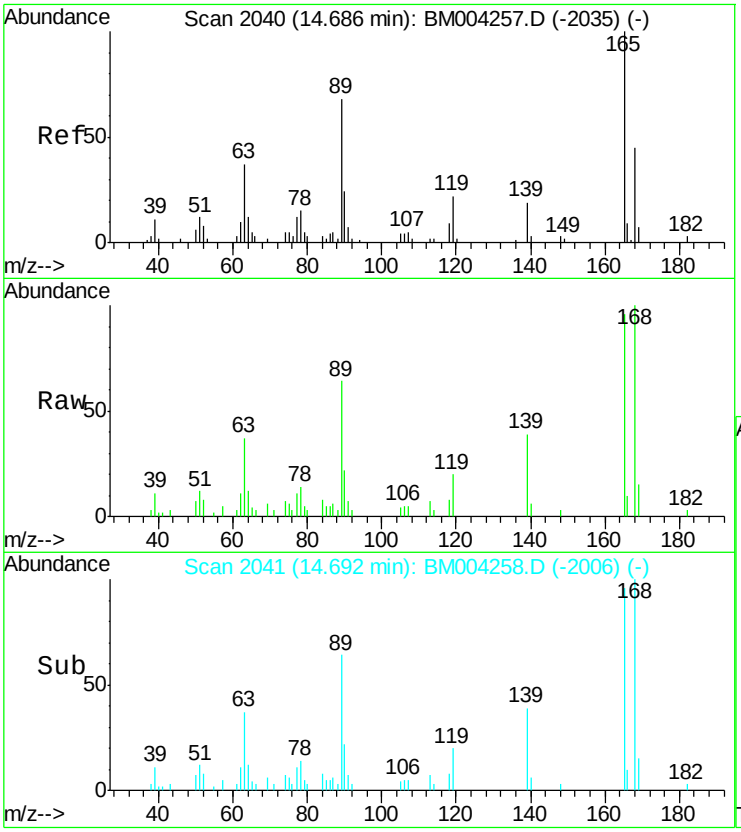


#54
Dibenzofuran
Concen: 9.21 ng/ul
RT: 14.71 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:168 Resp: 67482

Ion	Ratio	Lower	Upper
168	100		
139	39.0	32.2	48.2



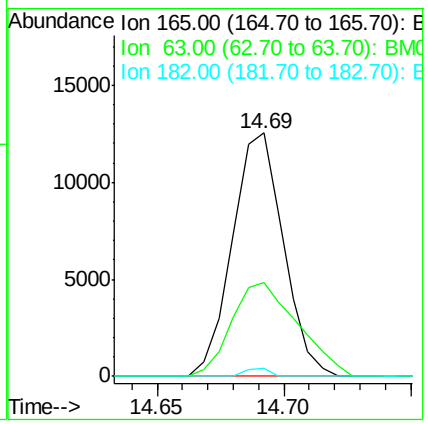


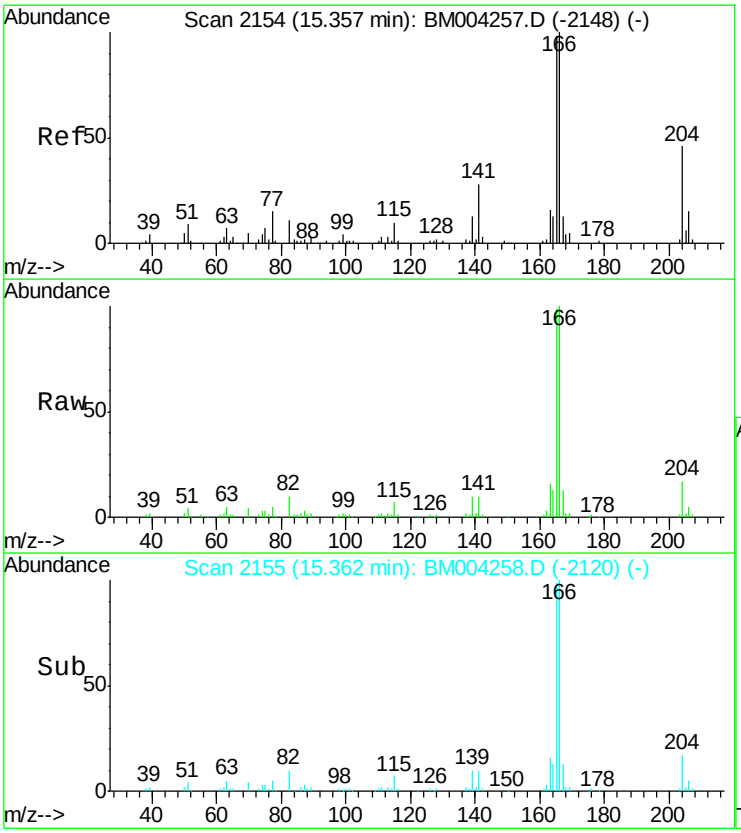
#55
2,4-Dinitrotoluene
Concen: 10.03 ng/ul
RT: 14.69 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:165 Resp: 17535

Ion	Ratio	Lower	Upper
165	100		
63	38.7	29.8	44.6
182	3.1	2.2	3.4

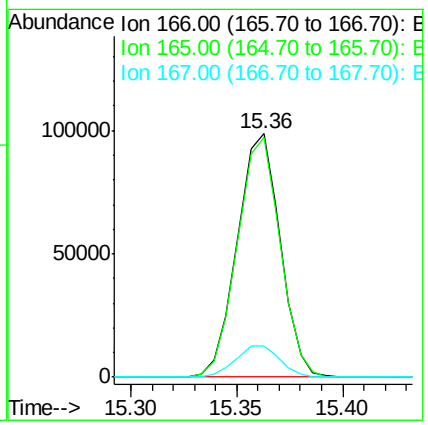


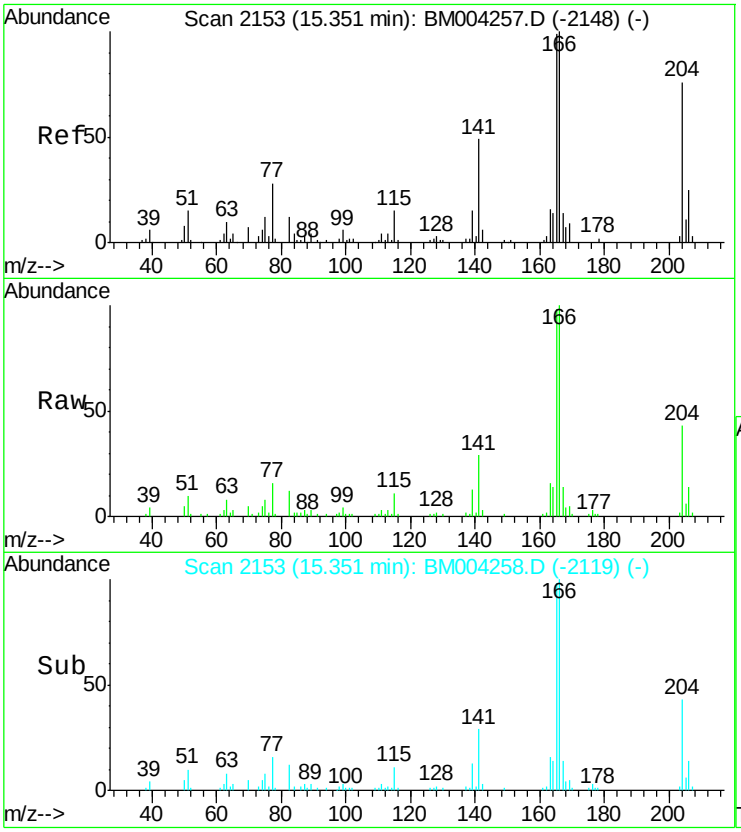


#59
Fluorene
Concen: 23.57 ng/ul
RT: 15.36 min Scan# 2155
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:166 Resp: 139182

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.5	117.7
167	12.9	10.7	16.1



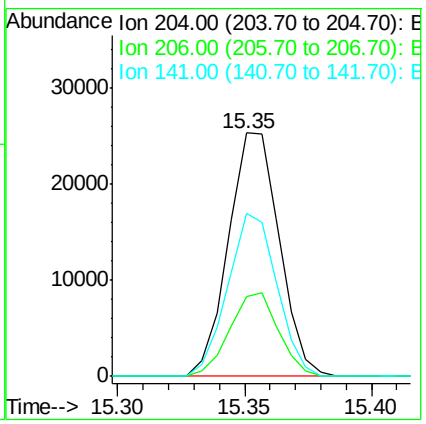


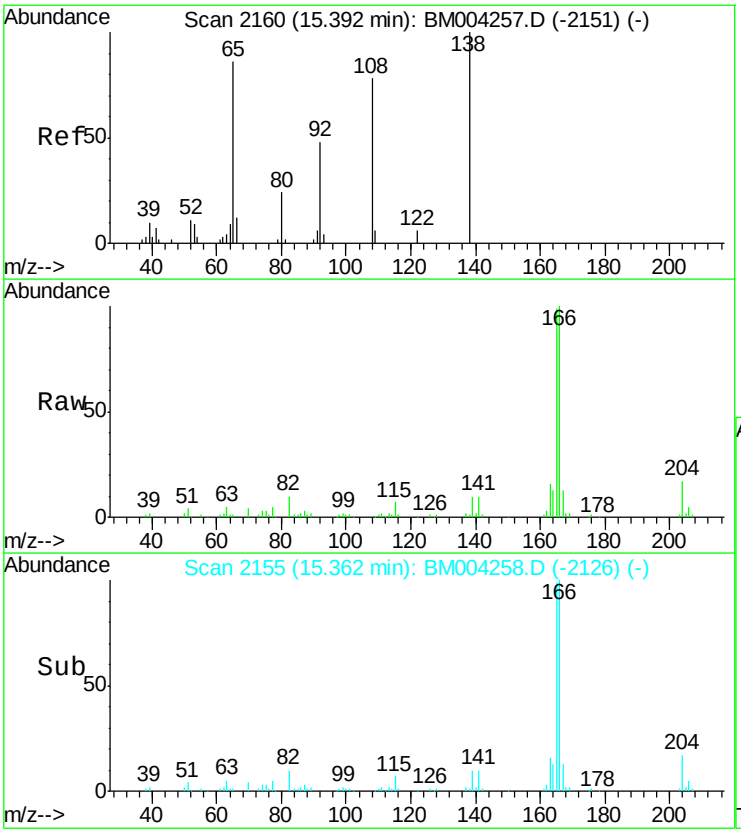
#60
4-Chlorophenyl-phenylether
Concen: 12.08 ng/ul
RT: 15.35 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:204 Resp: 35399

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	67.0	54.6	81.8

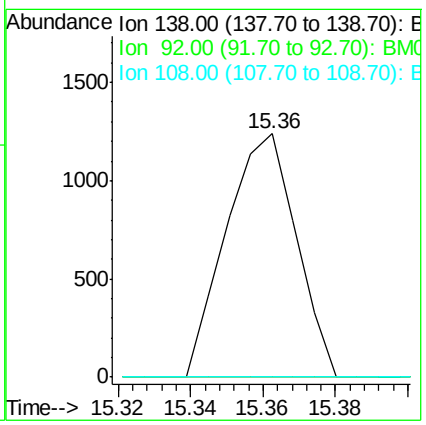


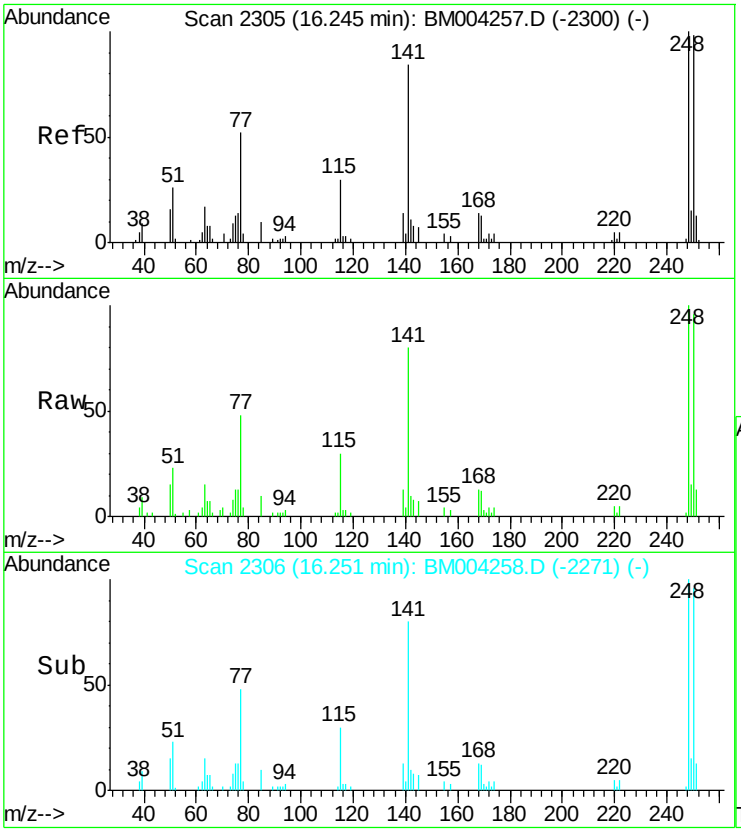


#61
4-Nitroaniline
Concen: 1.30 ng/ul
RT: 15.36 min Scan# 2155
Delta R.T. -0.03 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:138 Resp: 1669

Ion	Ratio	Lower	Upper
138	100		
92	0.0	40.6	60.8#
108	0.0	67.0	100.6#



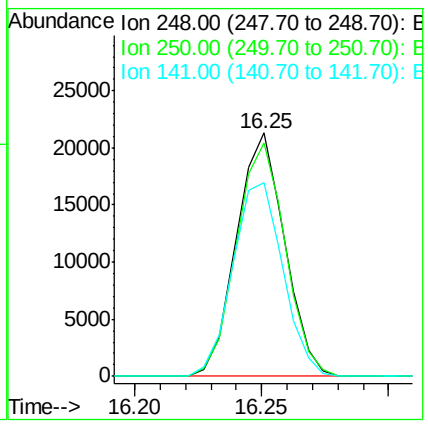


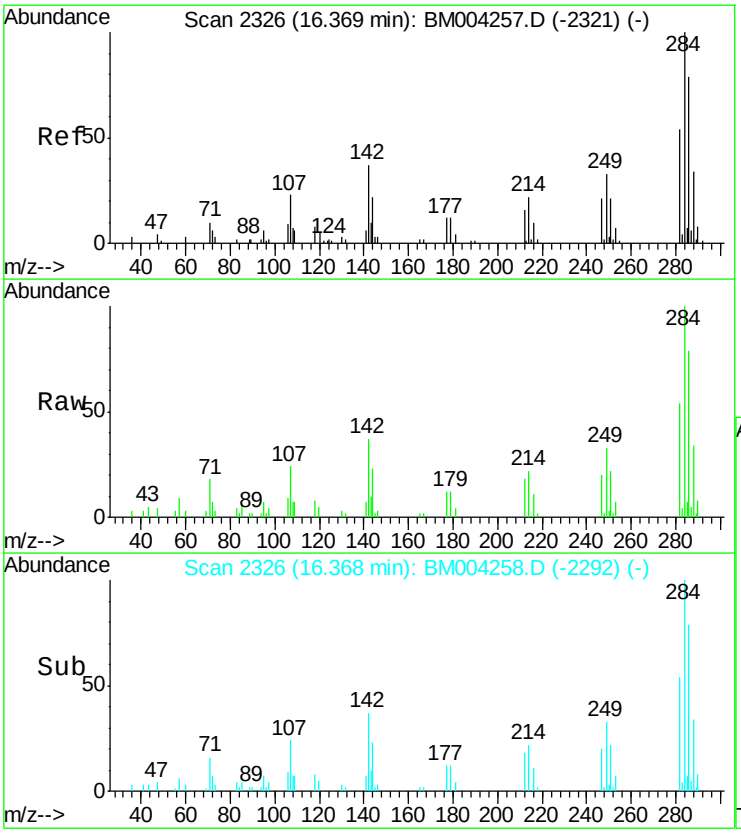
#66
4-Bromophenyl-phenylether
Concen: 15.41 ng/ul
RT: 16.25 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:248 Resp: 28099

Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.7	118.1
141	79.5	72.2	108.2

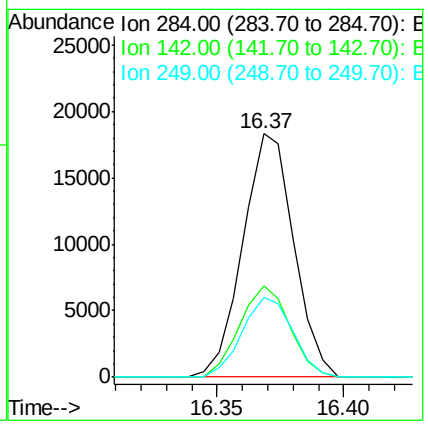


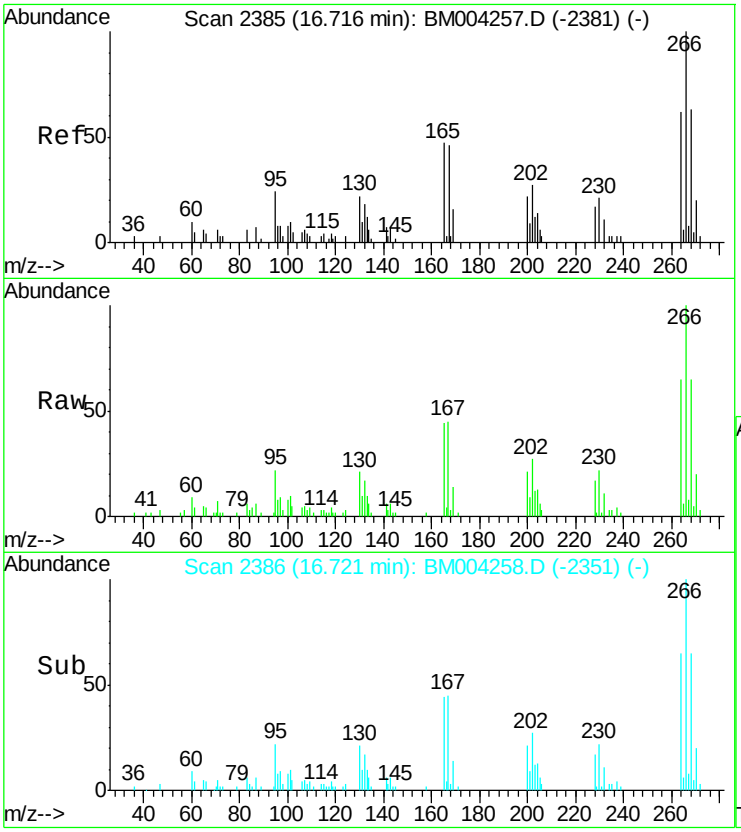


#67
Hexachlorobenzene
Concen: 12.54 ng/ul
RT: 16.37 min Scan# 2326
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:284 Resp: 25719

Ion	Ratio	Lower	Upper
284	100		
142	37.3	33.1	49.7
249	33.0	27.1	40.7



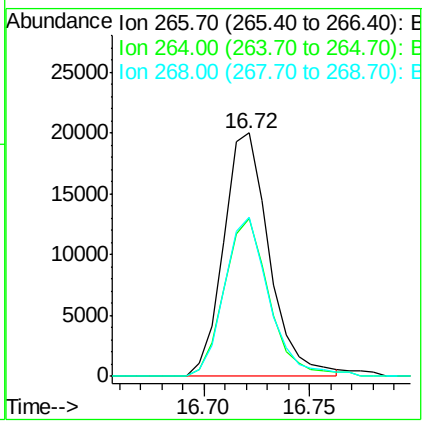


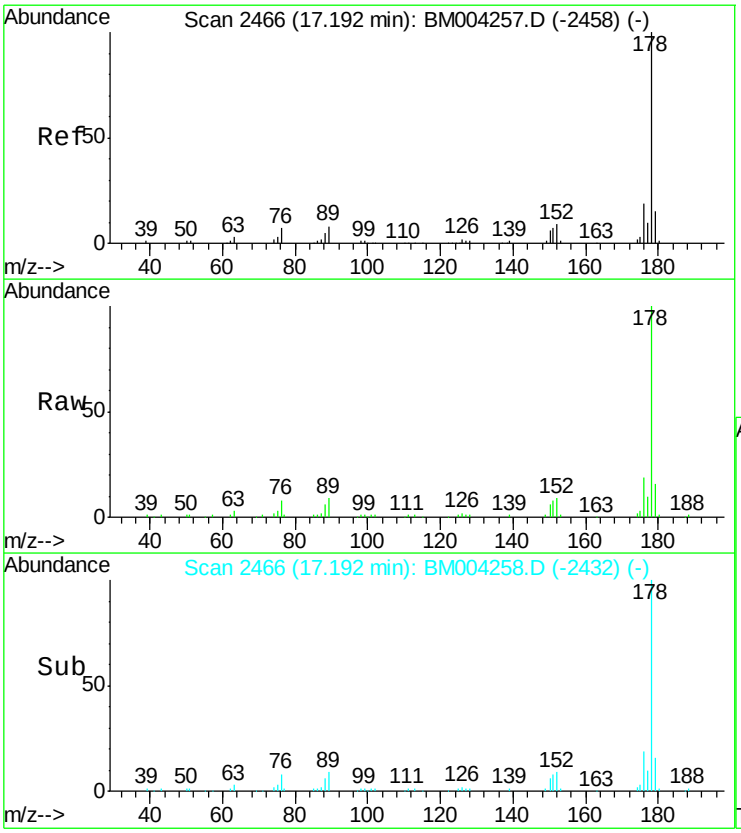
#69
Pentachlorophenol
Concen: 31.44 ng/ul
RT: 16.72 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:266 Resp: 29848

Ion	Ratio	Lower	Upper
266	100		
264	64.9	50.5	75.7
268	65.3	50.9	76.3

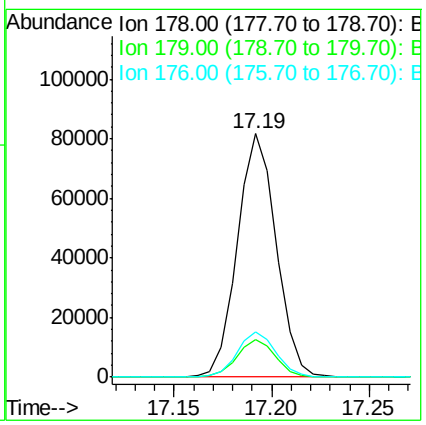


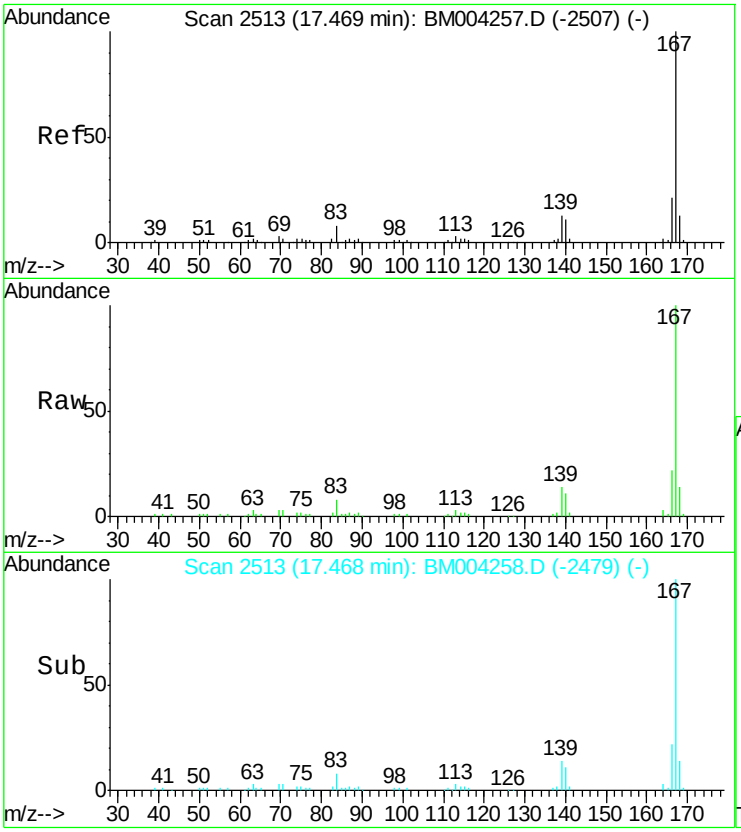


#72
Anthracene
Concen: 11.62 ng/ul
RT: 17.19 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:178 Resp: 112290

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.7	14.8	22.2



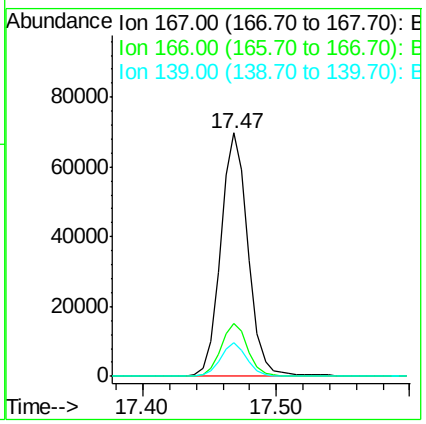


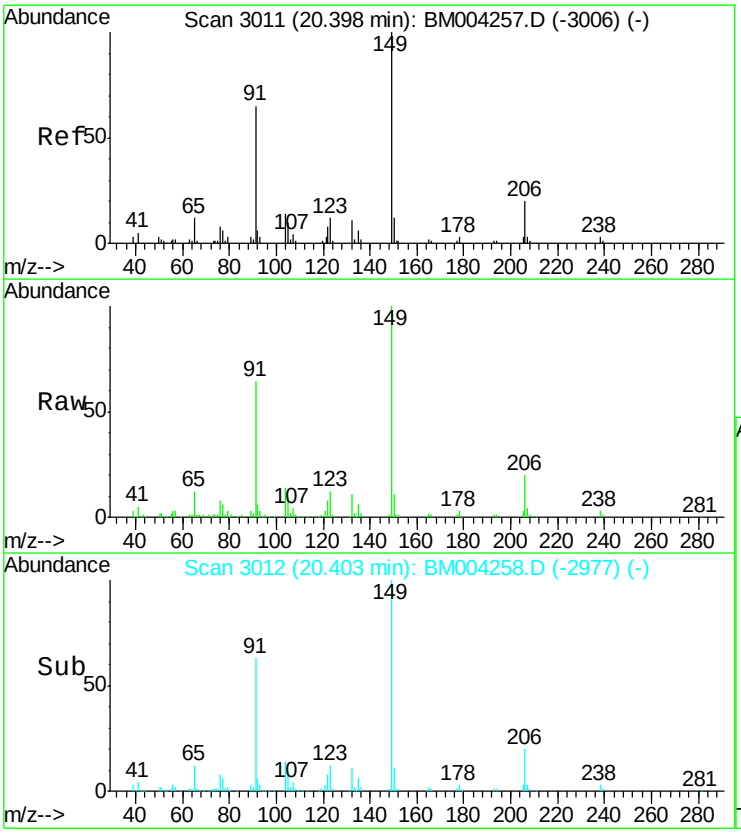
#75
Carbazole
Concen: 12.35 ng/ul
RT: 17.47 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:167 Resp: 100416

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.9	11.0	16.4

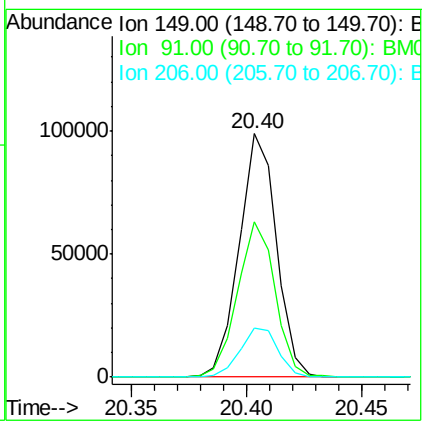


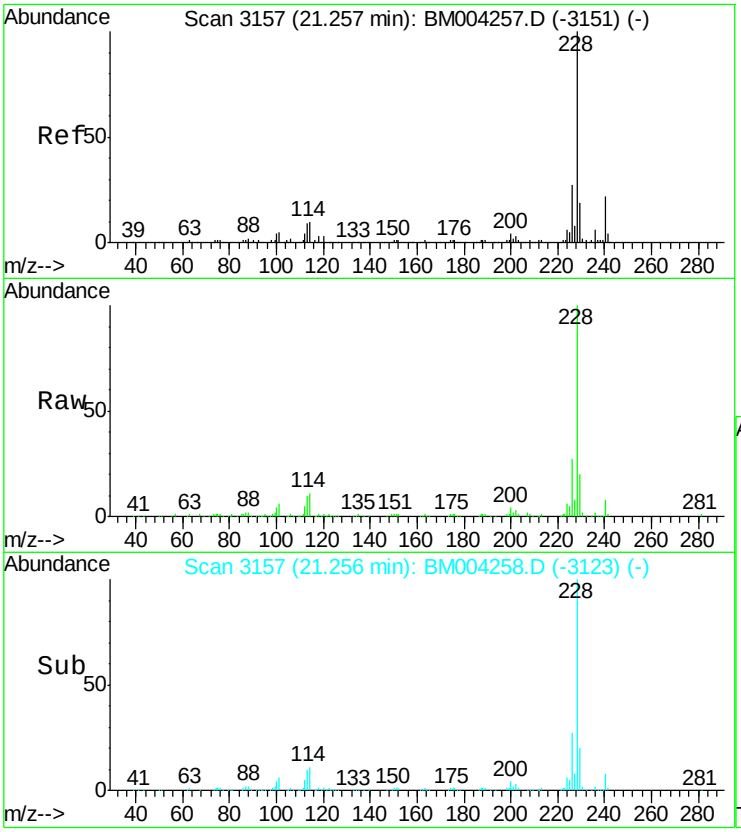


#81
Butylbenzylphthalate
Concen: 27.32 ng/ul
RT: 20.40 min Scan# 3012
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:149 Resp: 111999

Ion	Ratio	Lower	Upper
149	100		
91	63.8	53.4	80.2
206	20.4	16.6	24.8



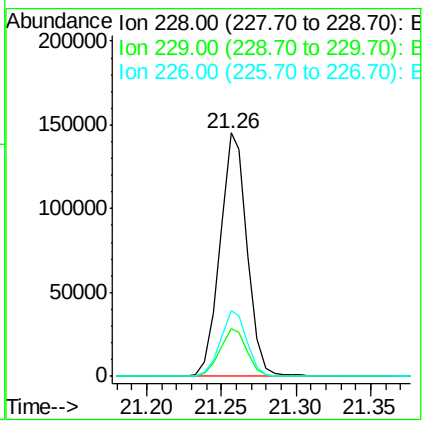


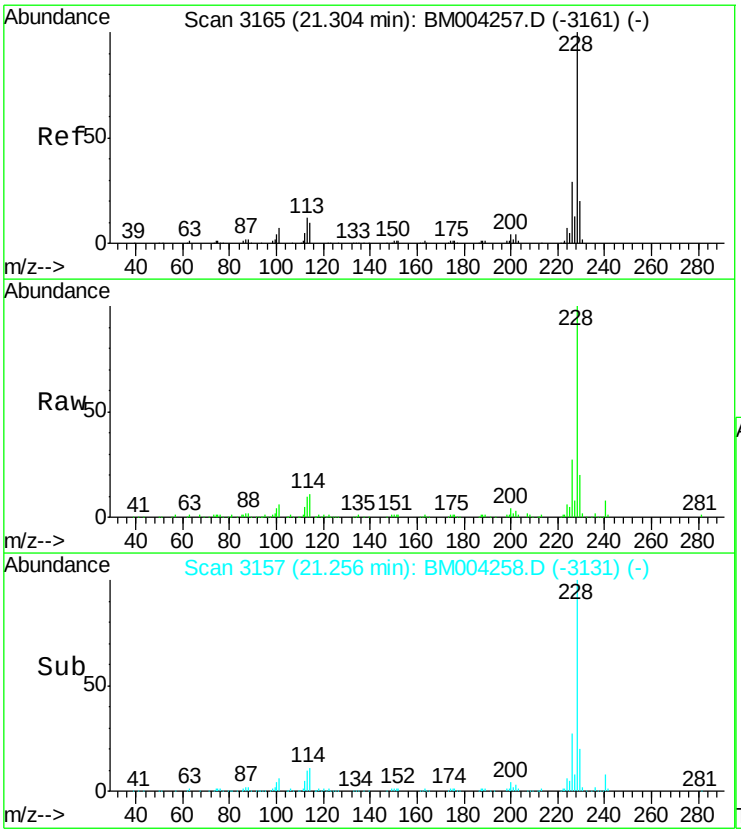
#83
Benzo(a)anthracene
Concen: 20.36 ng/ul
RT: 21.26 min Scan# 3157
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:228 Resp: 185613

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.7	23.5
226	26.8	21.8	32.6

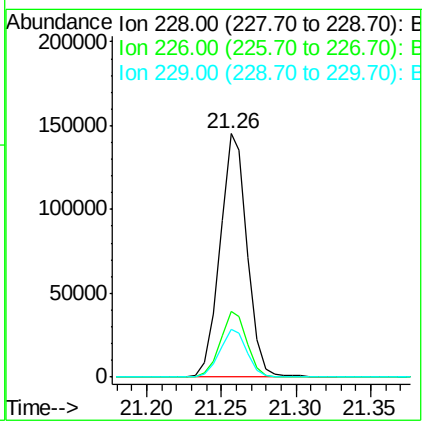


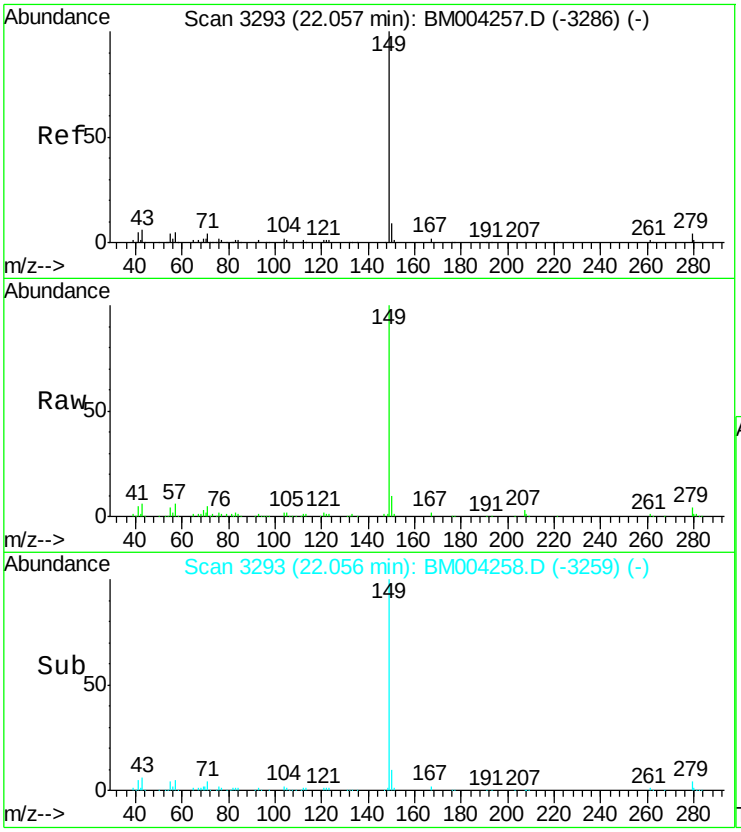


#85
Chrysene
Concen: 21.57 ng/ul
RT: 21.26 min Scan# 3157
Delta R.T. -0.05 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:228 Resp: 185613

Ion	Ratio	Lower	Upper
228	100		
226	26.8	24.0	36.0
229	19.6	15.6	23.4



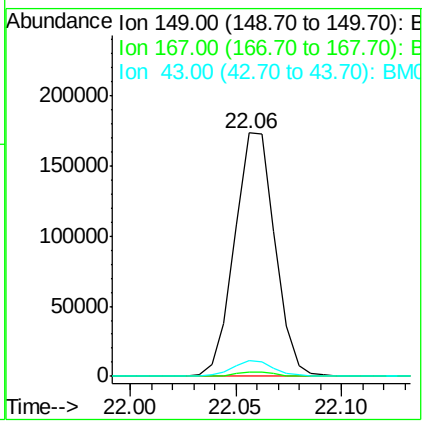


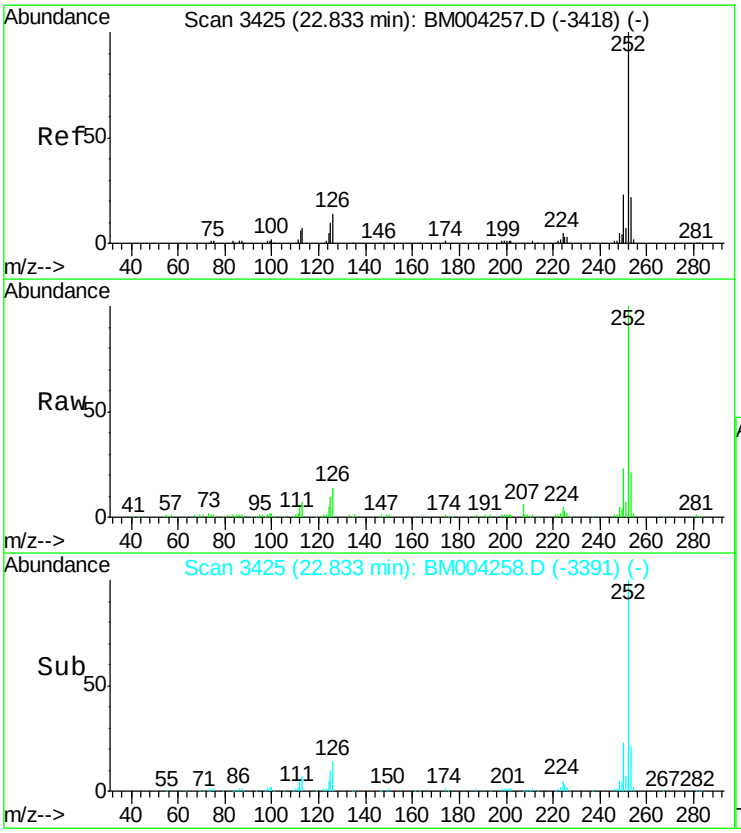
#87
Di-n-octyl phthalate
Concen: 25.61 ng/ul
RT: 22.06 min Scan# 3293
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:149 Resp: 227963

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	6.3	5.6	8.4

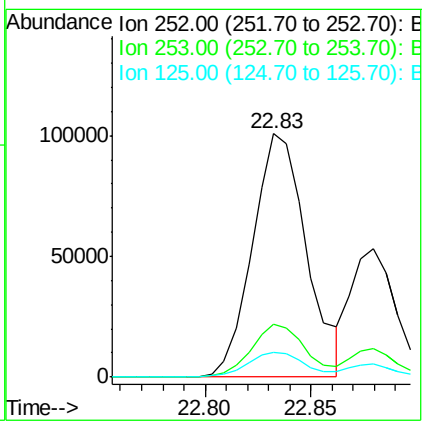


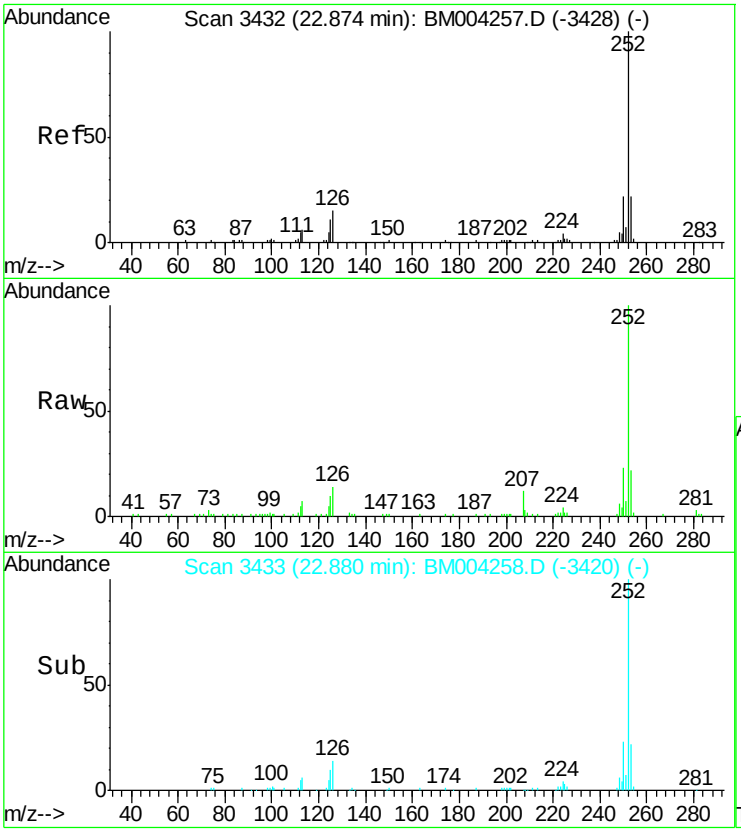


#88
Benzo(b)fluoranthene
Concen: 23.26 ng/ul
RT: 22.83 min Scan# 3425
Delta R.T. -0.00 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Tgt Ion:252 Resp: 179586

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.3	8.5	12.7





#89
Benzo(k)fluoranthene
Concen: 10.51 ng/ul
RT: 22.88 min Scan# 3433
Delta R.T. 0.01 min
Lab File: BM004258.D
Acq: 15 Feb 2016 11:34

Instrument :
BNA_M
ClientSampleId :
D9QC2

Tgt Ion:252 Resp: 77499

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	10.4	8.2	12.2