Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081916\
Data File : BM007203.D
Acq On : 18 Aug 2016 13:28
Operator : UM/SJ
Sample : H4436-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA233

Quant Time: Aug 19 04:26:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:26:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	154095	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	618482	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	357320	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	871103	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1124130	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	1170922	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.32	96	10722	3.04	ng/uL	0.00
5) Phenol-d5	6.97	99	300520	24.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	171779	24.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	235454	23.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	247926	24.14	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	111691	24.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	117981	24.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	264931	26.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	150597	12.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	684336	23.18	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1086362	30.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	100314	18.96	ng/ul	0.00
57) Fluorene-d10	15.43	176	823668	31.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	50643	10.52	ng/ul	0.00
70) Anthracene-d10	17.27	188	1368983	33.92	ng/ul	0.00
76) Pyrene-d10	19.57	212	1666637	35.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	1837578	34.31	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	6.99	94	17041	1.30	ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.23	93	340235	35.07	ng/ul	98
10) 2-Chlorophenol	7.37	128	30346	2.98	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.33	45	280699	25.25	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.60	70	119792	14.55	ng/ul	93
17) Hexachloroethane	8.88	117	46821	11.03	ng/ul	95
21) Isophorone	9.52	82	218370	10.08	ng/ul	100
25) Bis(2-Chloroethoxy)methane	10.00	93	472457	36.34	ng/ul	98
27) 2,4-Dichlorophenol	10.23	162	124311	12.41	ng/ul	95
28) Naphthalene	10.64	128	192016	6.27	ng/ul	98
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	176910	14.00	ng/ul	95
37) Hexachlorocyclopentadiene	12.60	237	95085	11.82	ng/ul	97
38) 2,4,6-Trichlorophenol	12.93	196	213690	26.37	ng/ul	98
39) 2,4,5-Trichlorophenol	12.93	196	213690	25.18	ng/ul	98
41) 2-Chloronaphthalene	13.30	162	535797	23.82	ng/ul	99
44) Dimethylphthalate	13.89	163	687263	23.29	ng/ul	100
45) 2,6-Dinitrotoluene	14.01	165	156121	27.23	ng/ul	95
47) Acenaphthylene	14.16	152	174298	4.77	ng/ul	97
53) Dibenzofuran	14.83	168	388652	11.05	ng/ul	96
54) 2,4-Dinitrotoluene	14.80	165	89606	10.59	ng/ul	99
58) Fluorene	15.48	166	788276	27.79	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.48	204	211575	14.13	ng/ul	97
60) 4-Nitroaniline	15.49	138	9888	1.49	ng/ul#	16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081916\
Data File : BM007203.D
Acq On : 18 Aug 2016 13:28
Operator : UM/SJ
Sample : H4436-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA233

Quant Time: Aug 19 04:26:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:26:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.37	248	181210	18.37	ng/ul	98
66) Hexachlorobenzene	16.48	284	165253	14.80	ng/ul	97
68) Pentachlorophenol	16.83	266	197294	28.73	ng/ul	97
69) Phenanthrene	17.31	178	560510	11.97	ng/ul	99
71) Anthracene	17.31	178	560510	11.66	ng/ul	99
72) Carbazole	17.58	167	592892	14.31	ng/ul	99
78) Butylbenzylphthalate	20.50	149	594388	24.60	ng/ul	97
80) Benzo(a)anthracene	21.34	228	1474814	22.21	ng/ul	99
82) Chrysene	21.34	228	1474814	24.30	ng/ul	97
84) Di-n-octyl phthalate	22.17	149	1466569	24.28	ng/ul	100
85) Benzo(b)fluoranthene	22.95	252	1801835	25.54	ng/ul	100
86) Benzo(k)fluoranthene	22.99	252	808183	12.20	ng/ul	99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081916\
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Acq On : 18 Aug 2016 13:28
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Instrument : BNA_M
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Quant Time: Aug 19 04:26:56 2016
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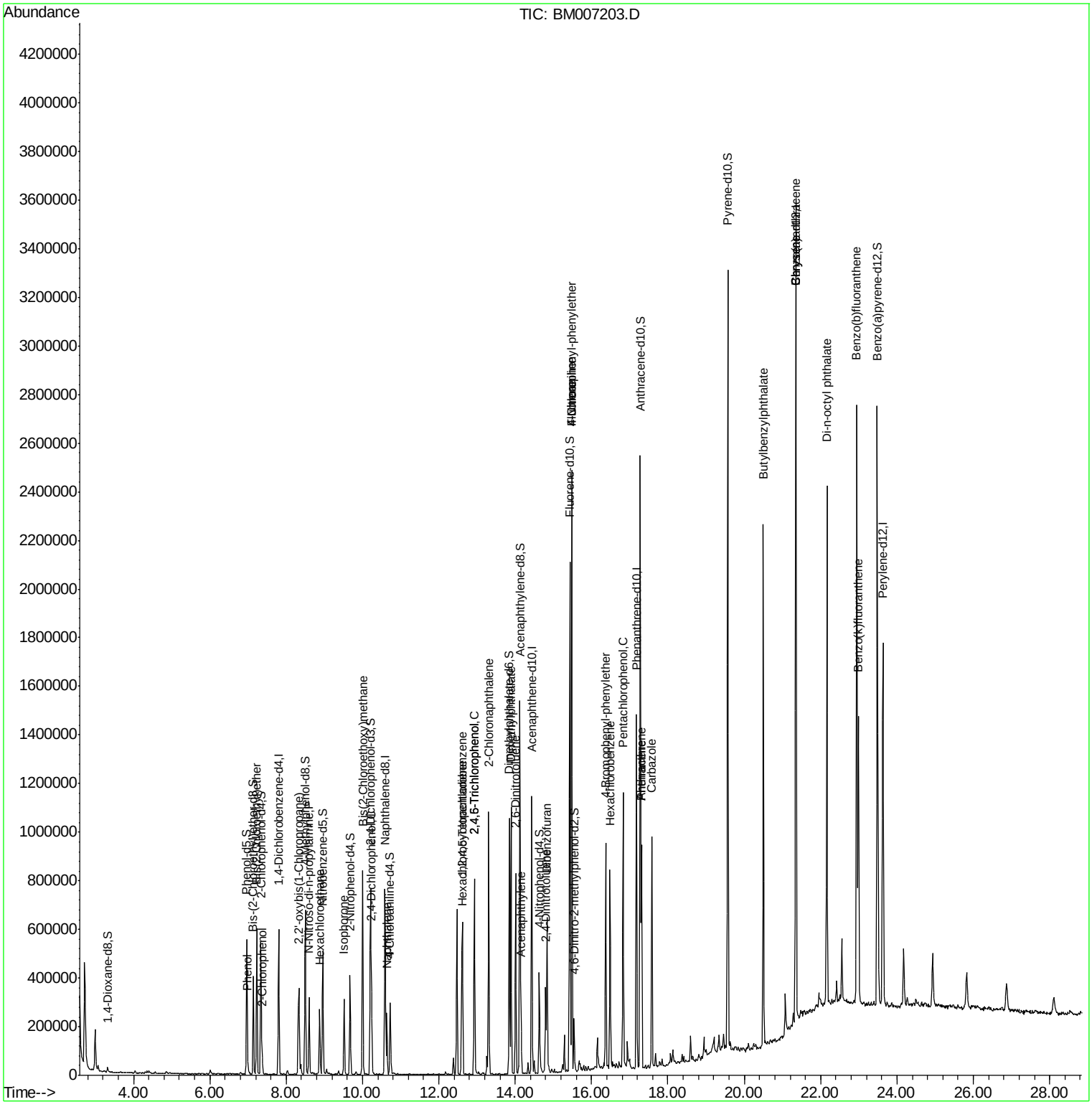
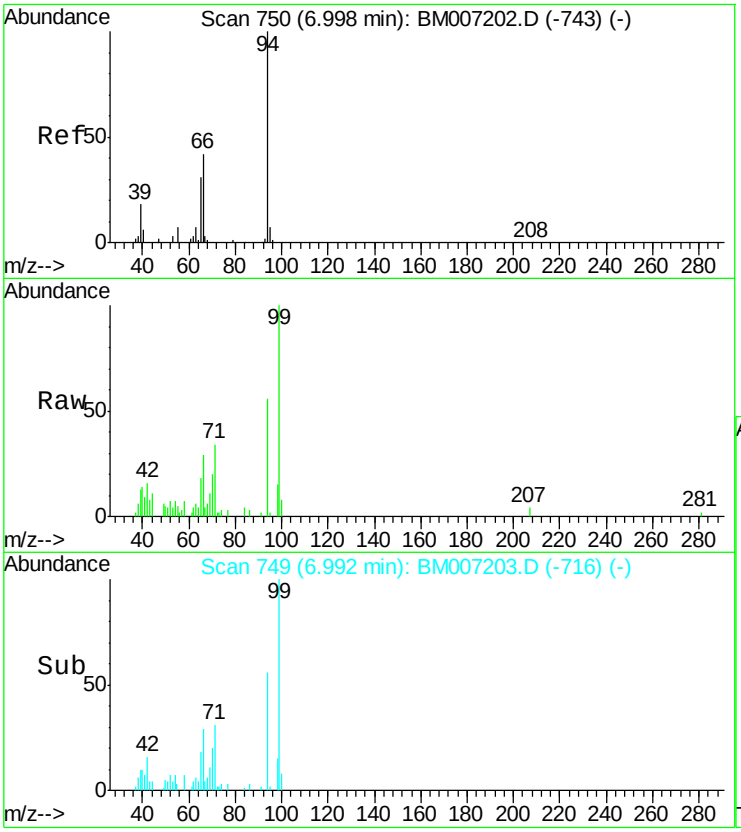
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:26:41 2016
Response via : Initial Calibration



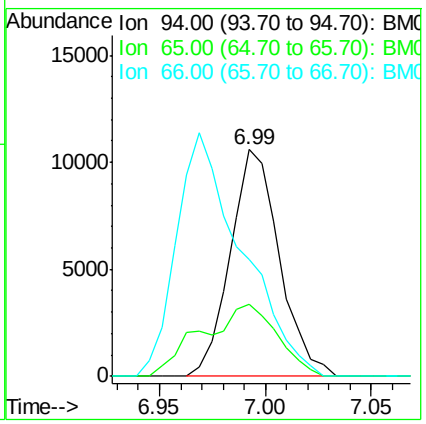


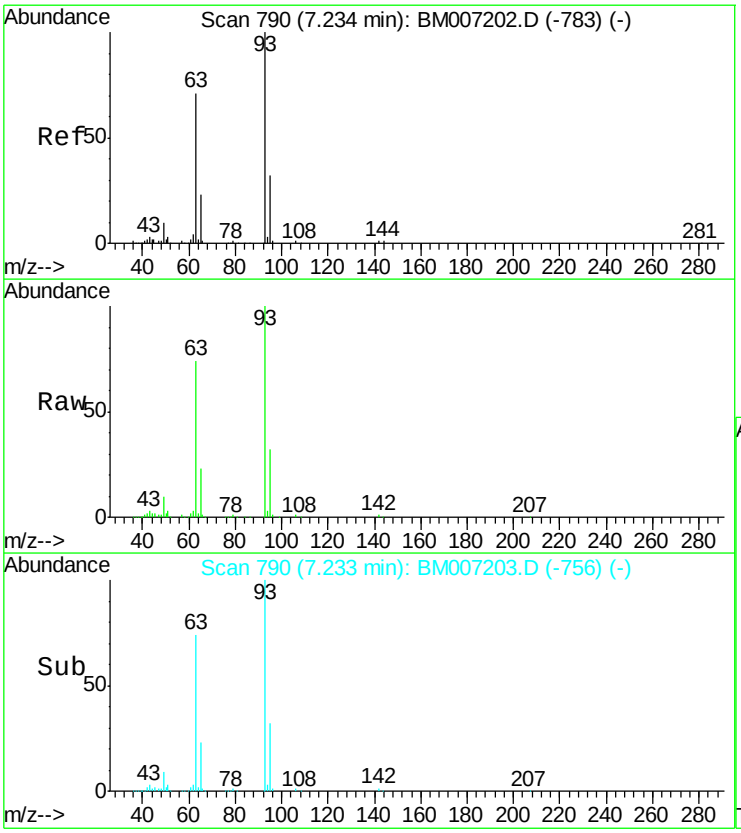
#6
Phenol
Concen: 1.30 ng/ul
RT: 6.99 min Scan# 749
Delta R.T. -0.01 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion: 94 Resp: 17041

Ion	Ratio	Lower	Upper
94	100		
65	31.7	23.9	35.9
66	51.8	33.5	50.3#

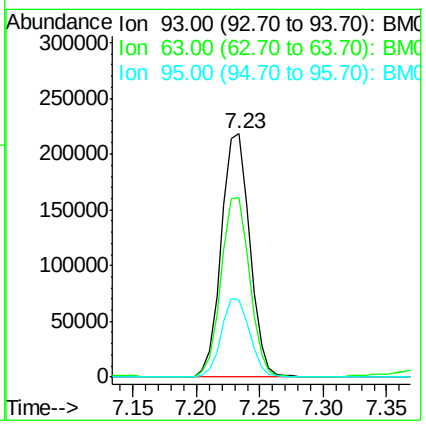


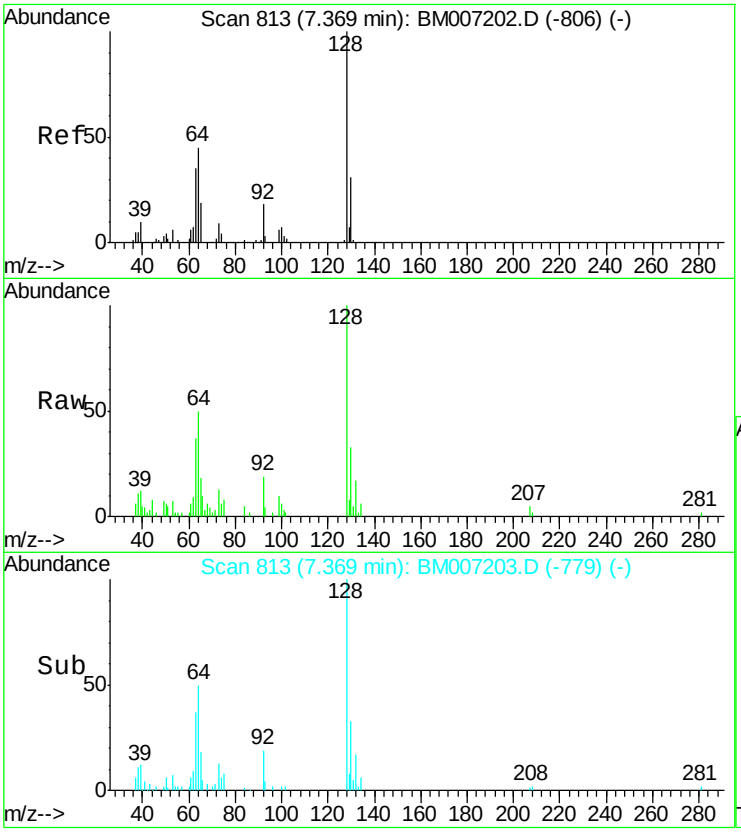


#8
Bis(2-Chloroethyl)ether
Concen: 35.07 ng/ul
RT: 7.23 min Scan# 790
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion: 93 Resp: 340235

Ion	Ratio	Lower	Upper
93	100		
63	73.6	57.3	85.9
95	31.6	25.1	37.7



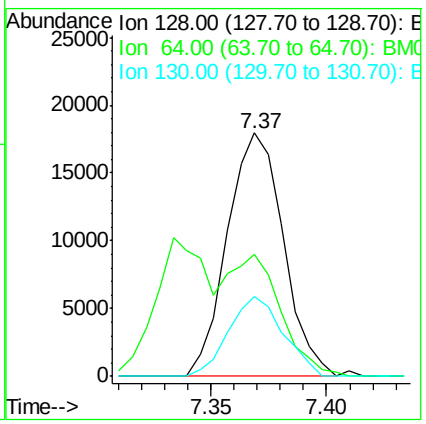


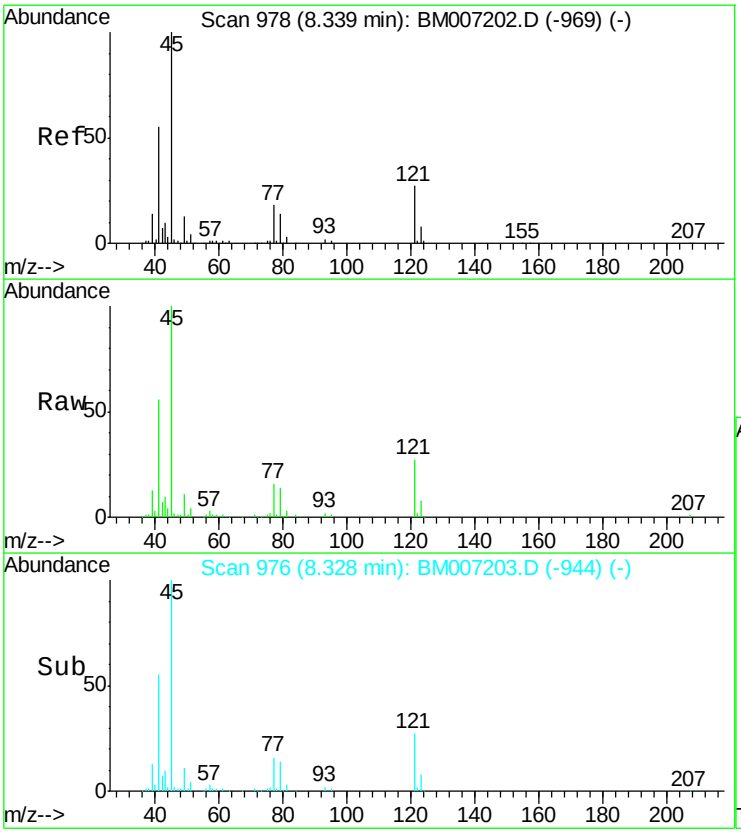
#10
2-Chlorophenol
Concen: 2.98 ng/ul
RT: 7.37 min Scan# 813
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:128 Resp: 30346

Ion	Ratio	Lower	Upper
128	100		
64	50.3	37.5	56.3
130	32.8	25.0	37.4

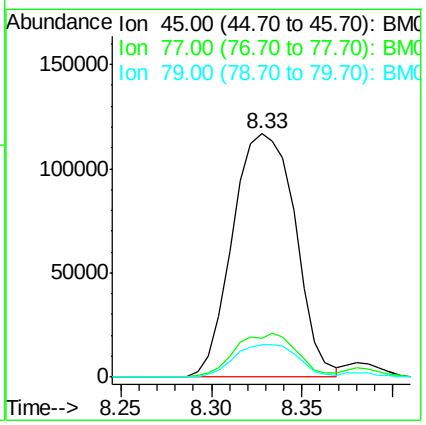


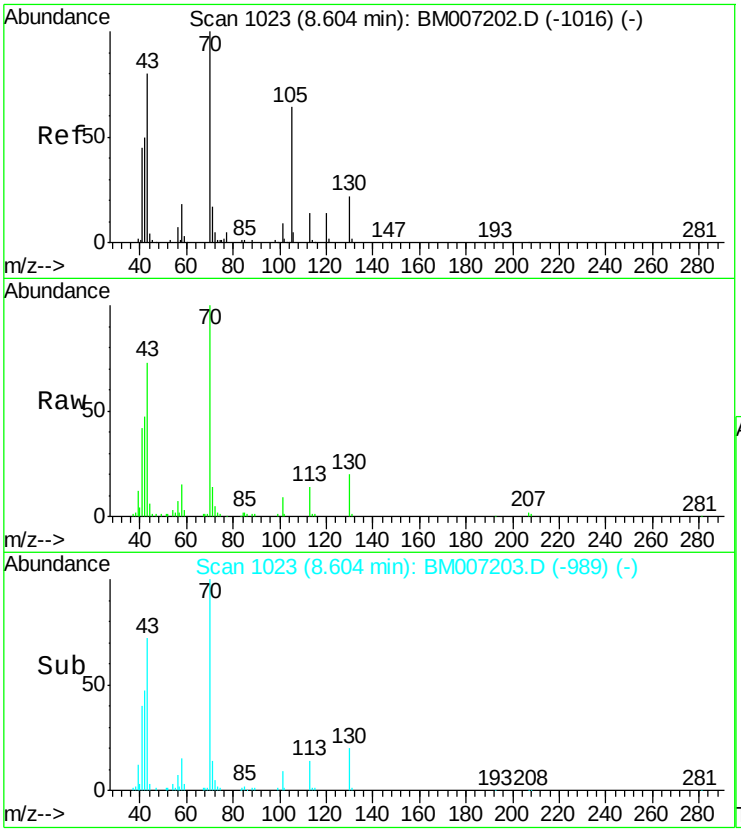


#12
2,2'-oxybis(1-Chloropropane)
Concen: 25.25 ng/ul
RT: 8.33 min Scan# 976
Delta R.T. -0.01 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion: 45 Resp: 280699

Ion	Ratio	Lower	Upper
45	100		
77	16.1	14.1	21.1
79	13.6	10.4	15.6



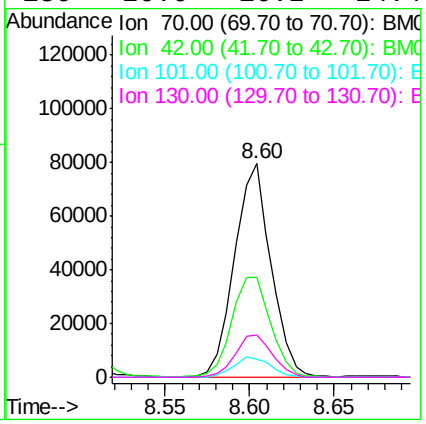


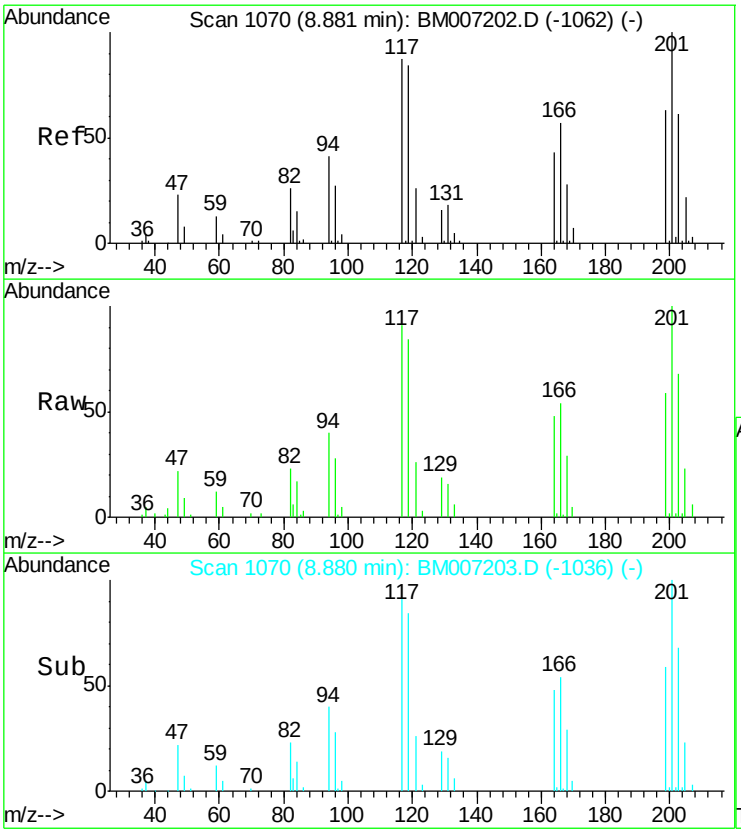
#15
N-Nitroso-di-n-propylamine
Concen: 14.55 ng/ul
RT: 8.60 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion: 70 Resp: 119792

Ion	Ratio	Lower	Upper
70	100		
42	47.0	43.4	65.2
101	8.6	7.8	11.6
130	20.0	16.2	24.4

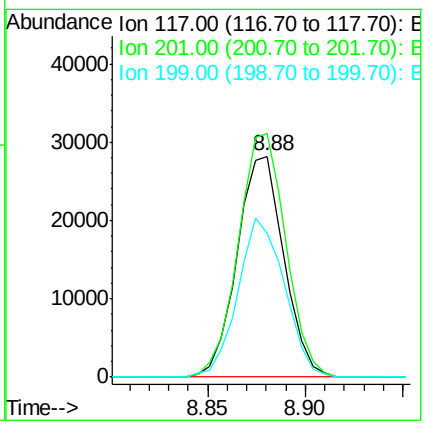


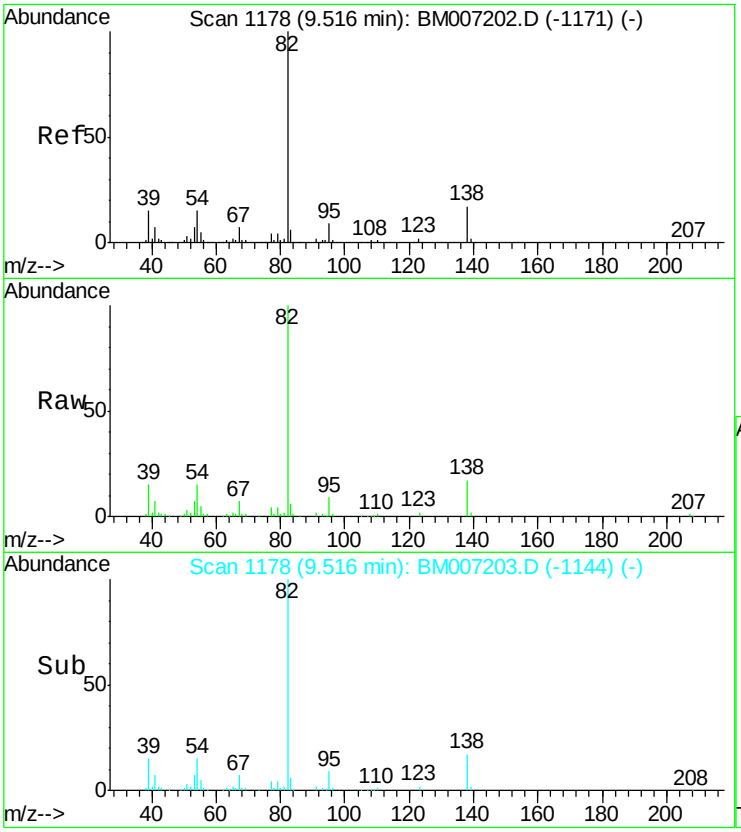


#17
Hexachloroethane
Concen: 11.03 ng/ul
RT: 8.88 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:117 Resp: 46821

Ion	Ratio	Lower	Upper
117	100		
201	110.3	90.3	135.5
199	65.1	58.5	87.7



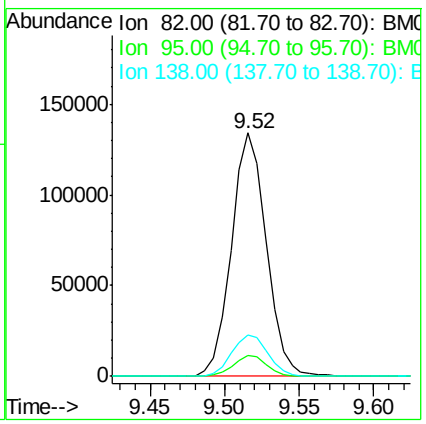


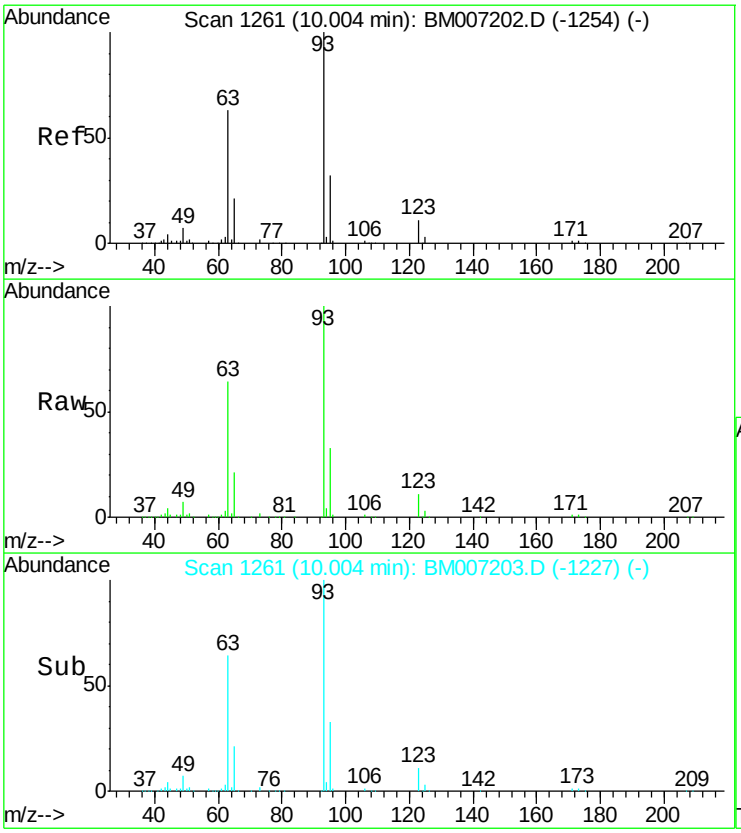
#21
Isophorone
Concen: 10.08 ng/ul
RT: 9.52 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion: 82 Resp: 218370

Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.9	10.3
138	17.2	13.8	20.8

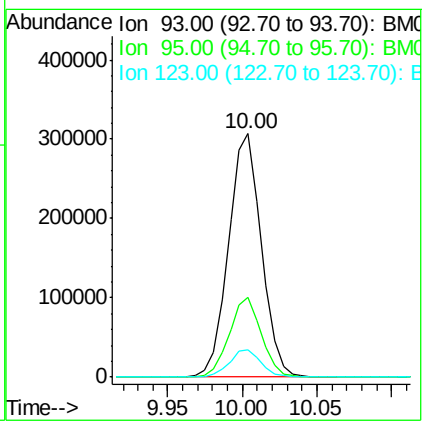


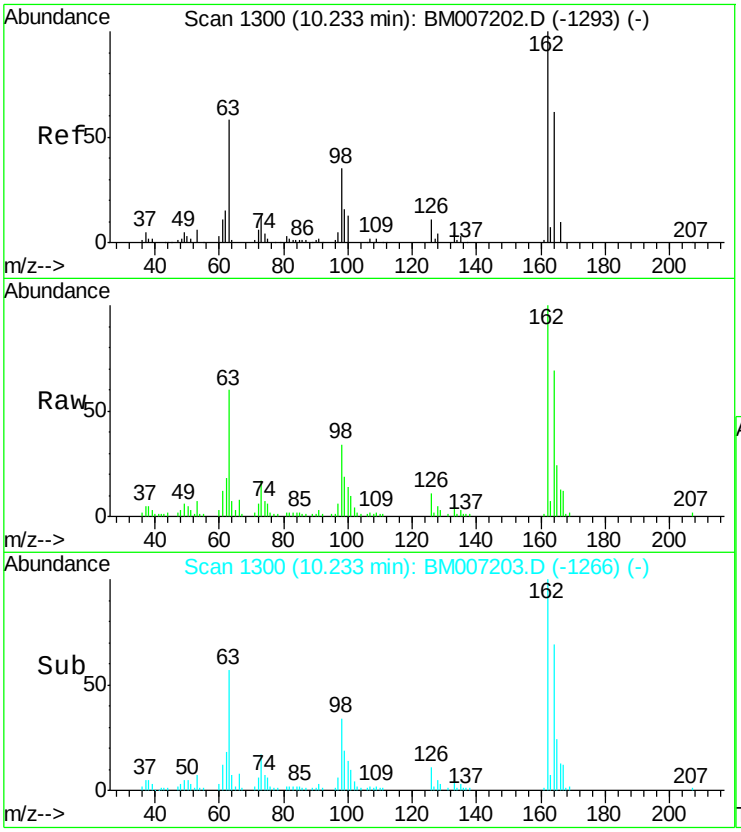


#25
Bis(2-Chloroethoxy)methane
Concen: 36.34 ng/ul
RT: 10.00 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion: 93 Resp: 472457

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.4	38.0
123	11.1	8.3	12.5



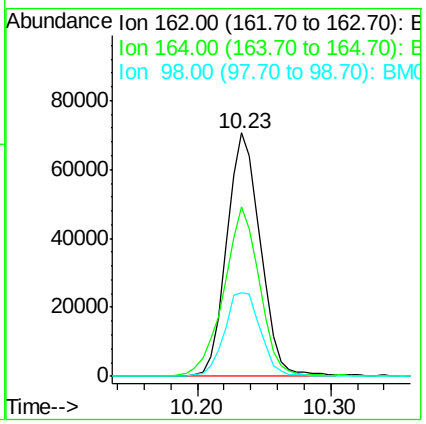


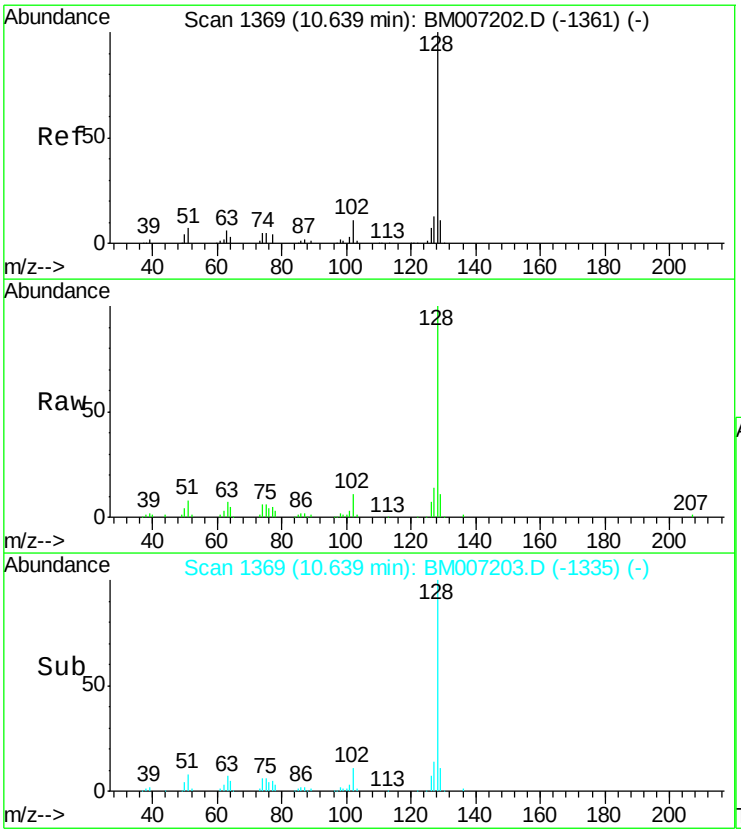
#27
2,4-Dichlorophenol
Concen: 12.41 ng/ul
RT: 10.23 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:162 Resp: 124311

Ion	Ratio	Lower	Upper
162	100		
164	69.5	51.6	77.4
98	34.5	28.4	42.6

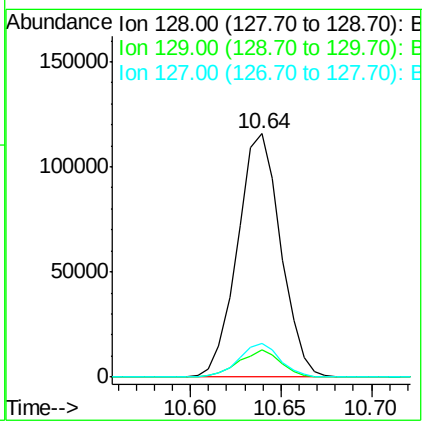


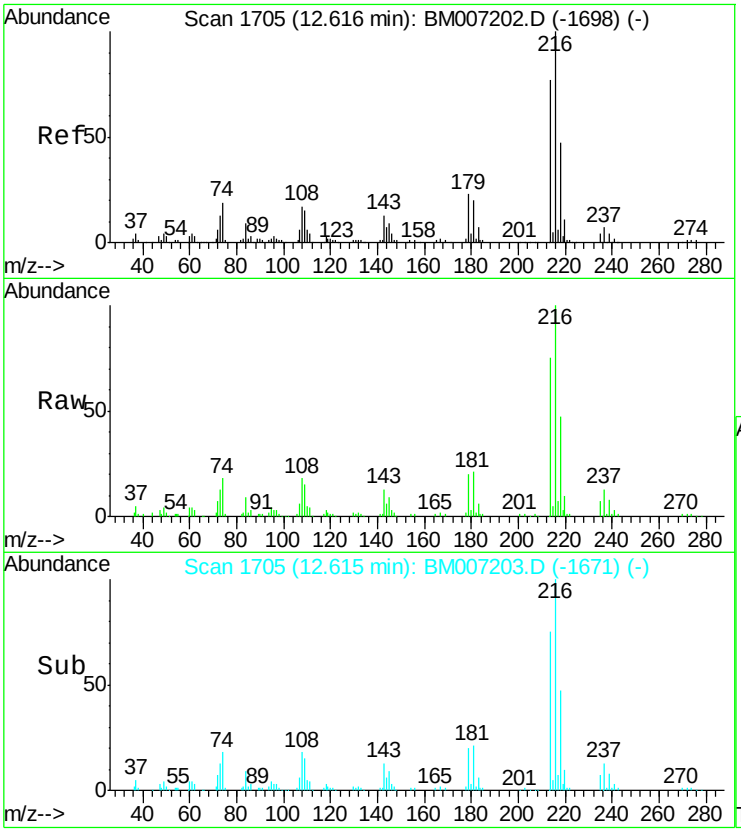


#28
Naphthalene
Concen: 6.27 ng/ul
RT: 10.64 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:128 Resp: 192016

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.8	10.6	15.8



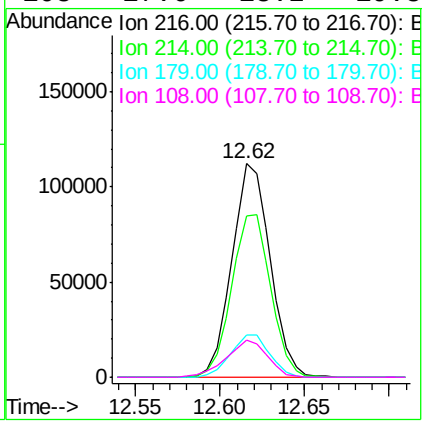


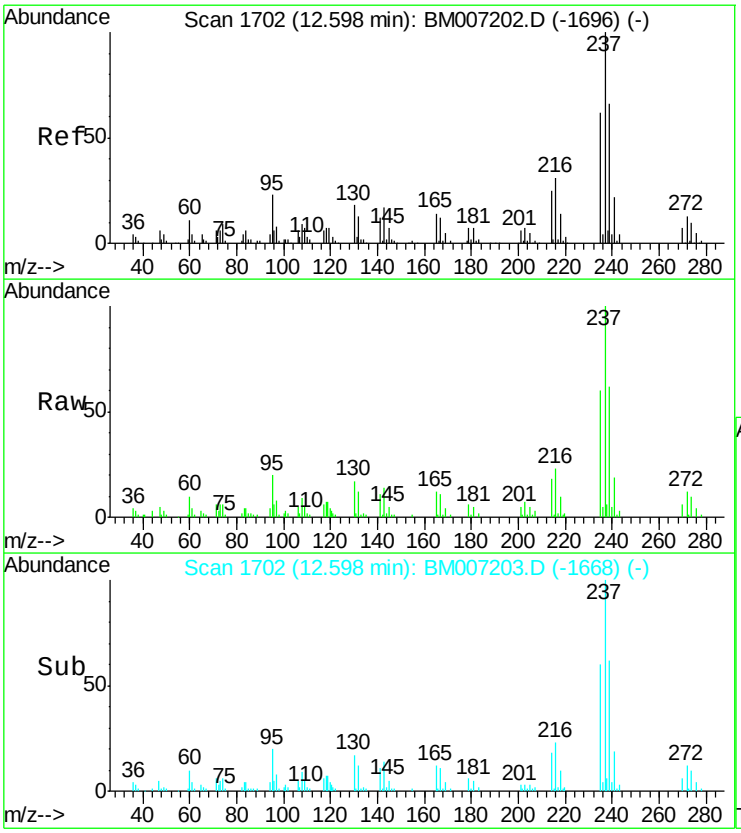
#36
1,2,4,5-Tetrachlorobenzene
Concen: 14.00 ng/ul
RT: 12.62 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:216 Resp: 176910

Ion	Ratio	Lower	Upper
216	100		
214	75.4	64.8	97.2
179	19.8	16.7	25.1
108	17.6	13.2	19.8

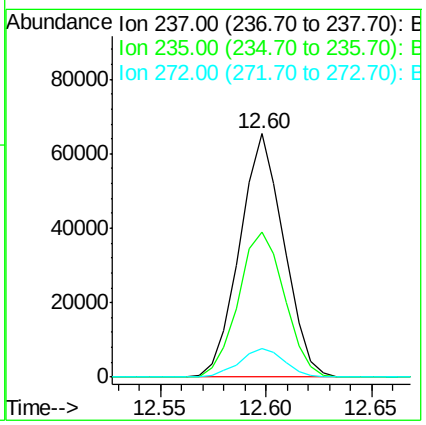


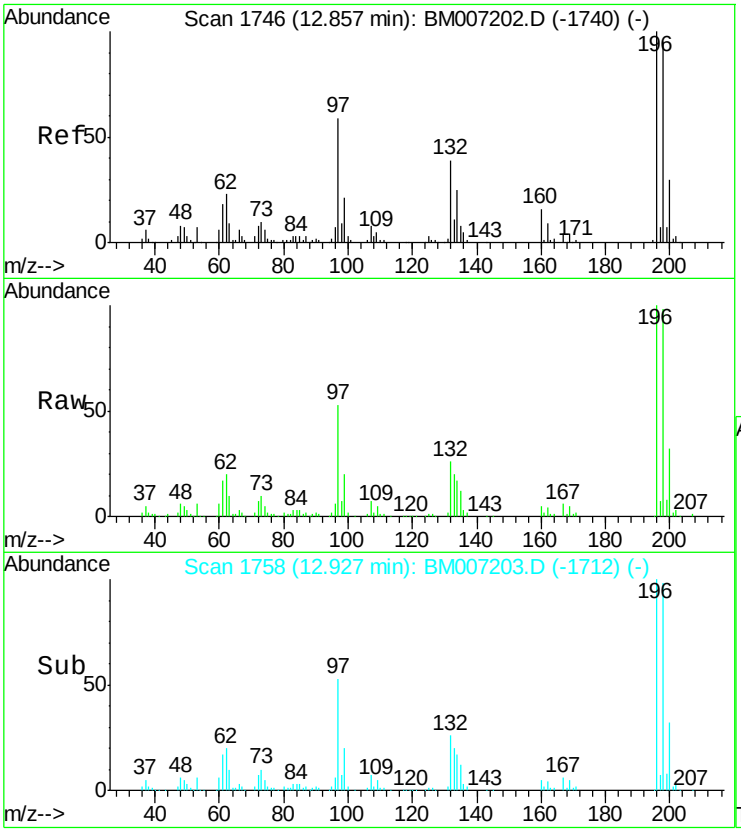


#37
Hexachlorocyclopentadiene
Concen: 11.82 ng/ul
RT: 12.60 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:237 Resp: 95085

Ion	Ratio	Lower	Upper
237	100		
235	59.7	49.6	74.4
272	12.6	10.4	15.6



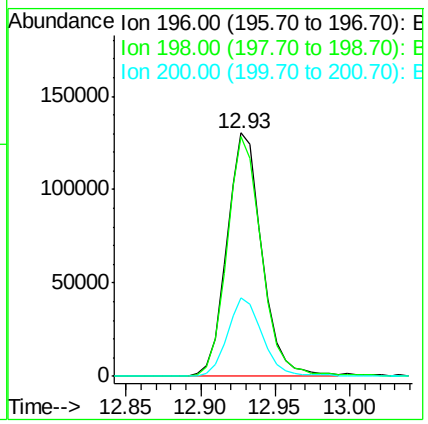


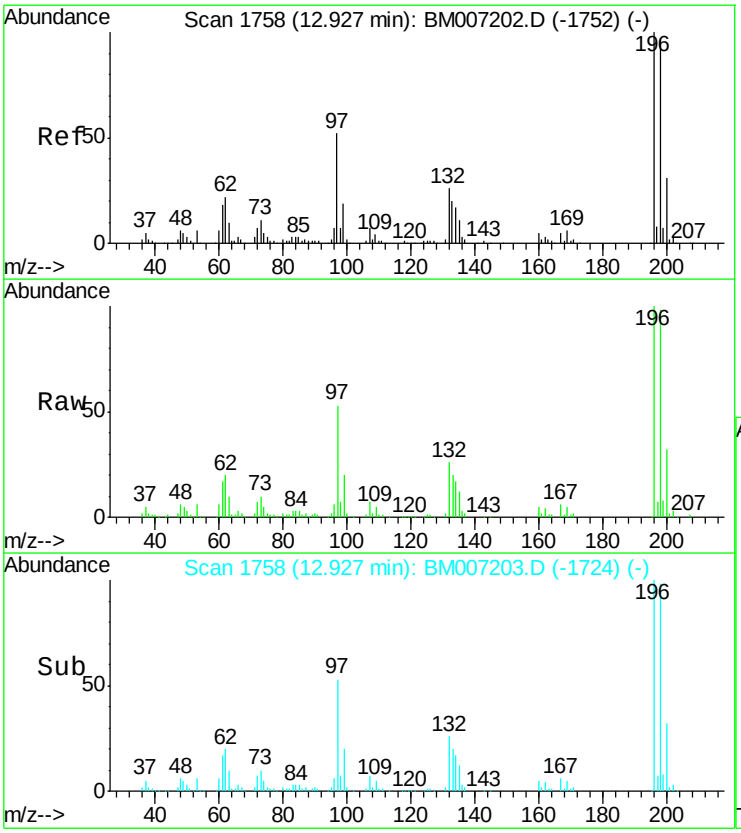
#38
2,4,6-Trichlorophenol
Concen: 26.37 ng/ul
RT: 12.93 min Scan# 1758
Delta R.T. 0.07 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:196 Resp: 213690

Ion	Ratio	Lower	Upper
196	100		
198	98.5	76.9	115.3
200	32.4	25.1	37.7

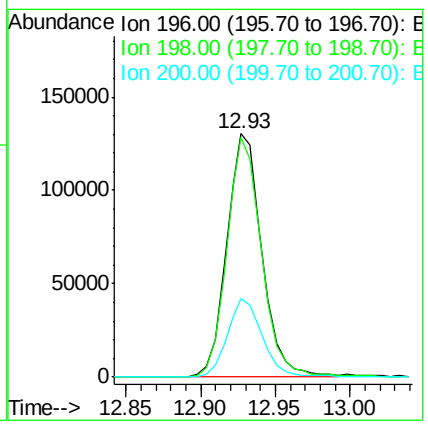


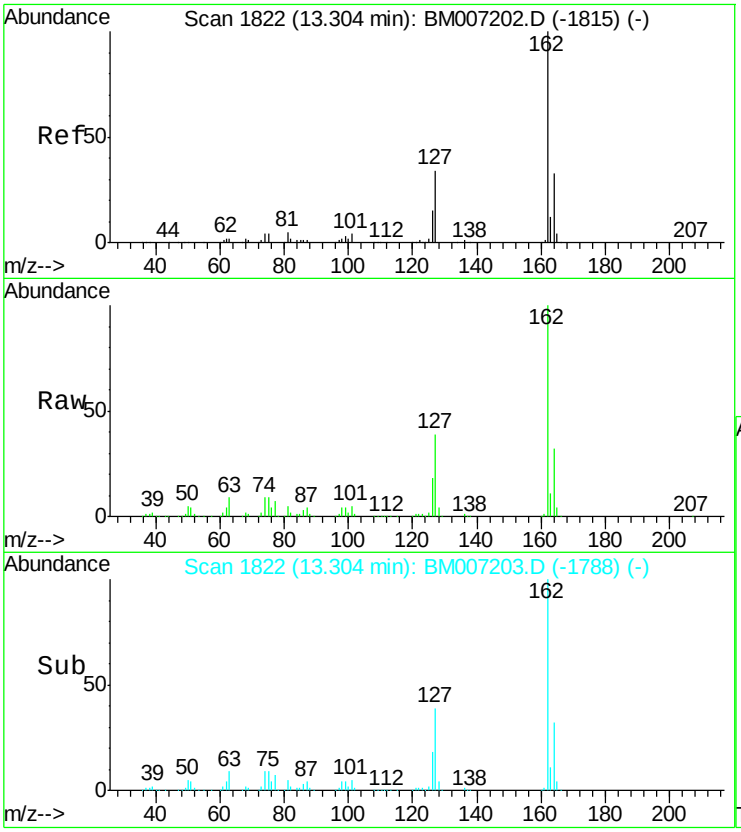


#39
2,4,5-Trichlorophenol
Concen: 25.18 ng/ul
RT: 12.93 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:196 Resp: 213690

Ion	Ratio	Lower	Upper
196	100		
198	98.5	76.8	115.2
200	32.4	27.0	40.4



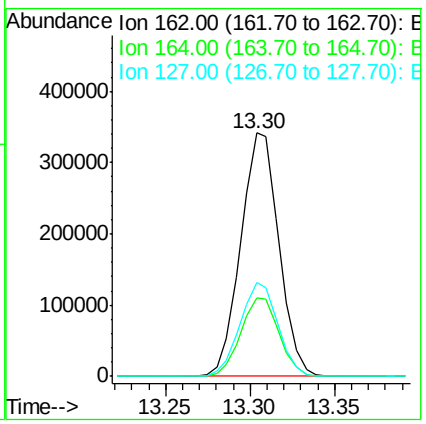


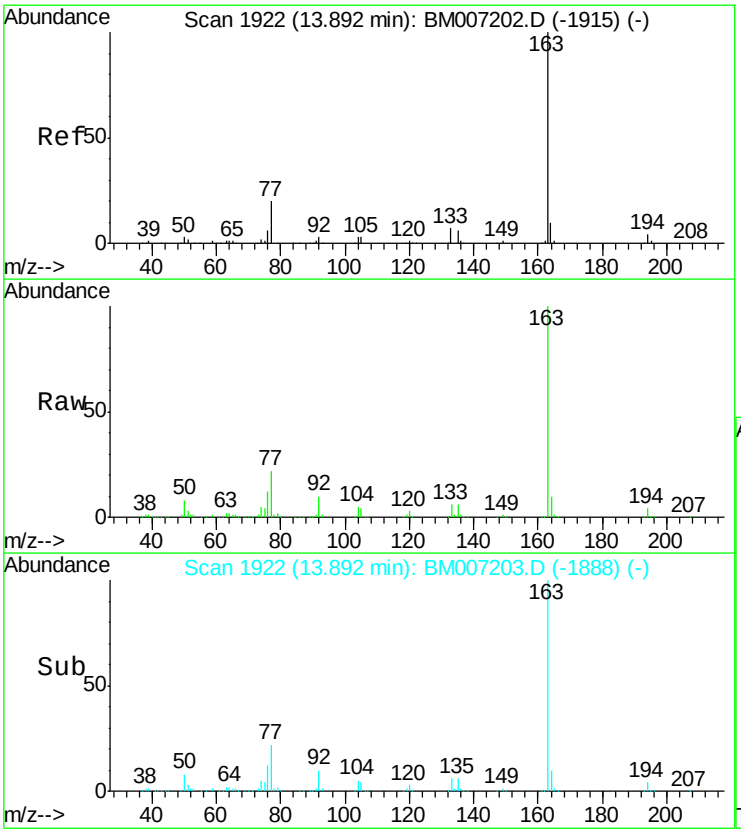
#41
2-Chloronaphthalene
Concen: 23.82 ng/ul
RT: 13.30 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:162 Resp: 535797

Ion	Ratio	Lower	Upper
162	100		
164	32.4	26.9	40.3
127	38.8	31.2	46.8

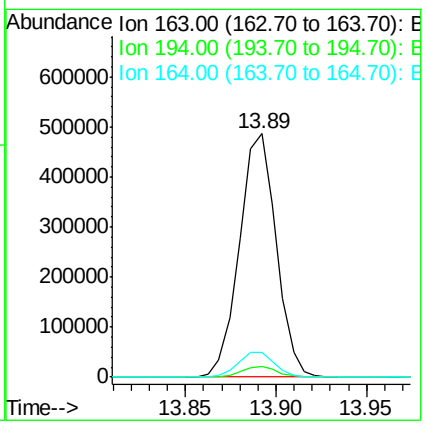


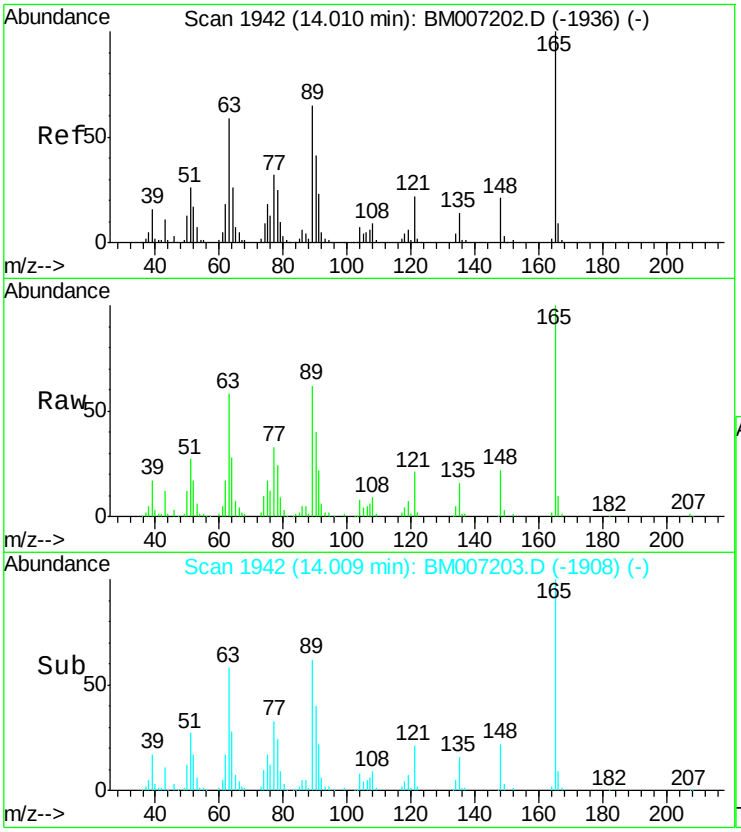


#44
Dimethylphthalate
Concen: 23.29 ng/ul
RT: 13.89 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:163 Resp: 687263

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	9.9	7.8	11.8



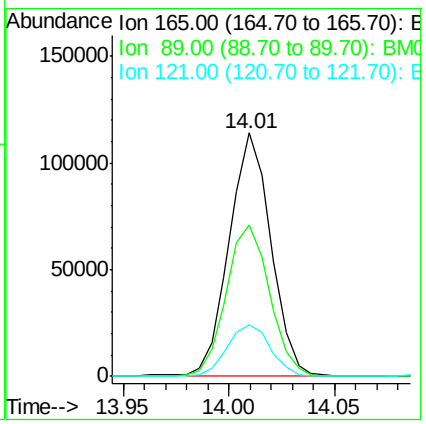


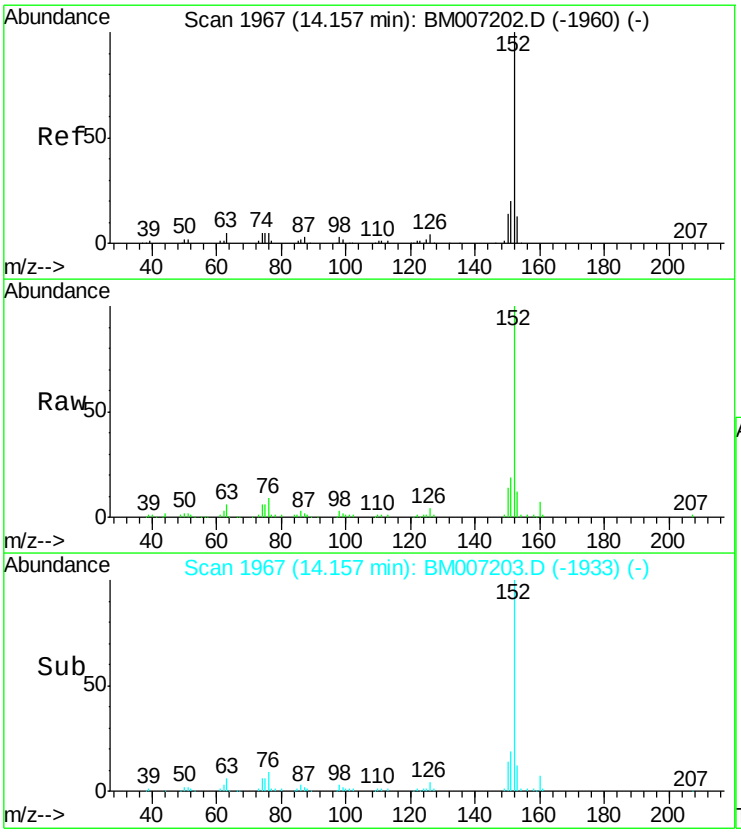
#45
2,6-Dinitrotoluene
Concen: 27.23 ng/ul
RT: 14.01 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:165 Resp: 156121

Ion	Ratio	Lower	Upper
165	100		
89	62.4	46.6	69.8
121	21.1	16.0	24.0

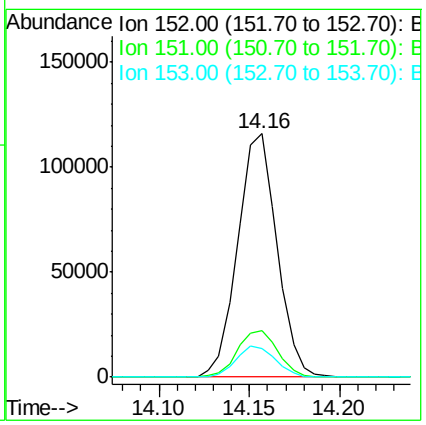


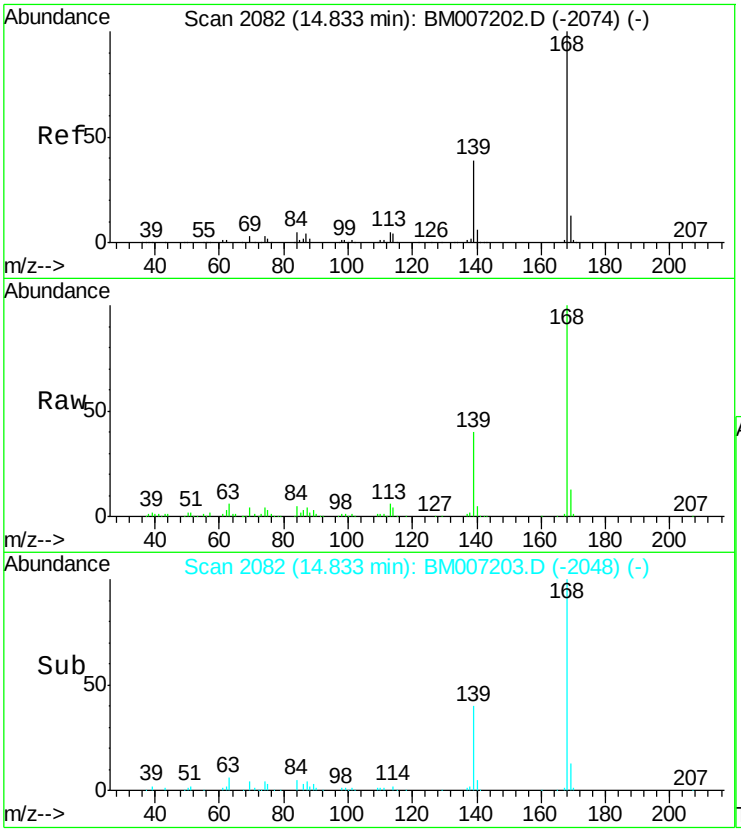


#47
Acenaphthylene
Concen: 4.77 ng/ul
RT: 14.16 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:152 Resp: 174298

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.0	24.0
153	11.9	11.0	16.6



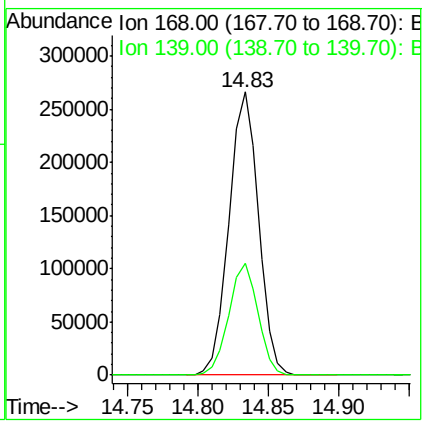


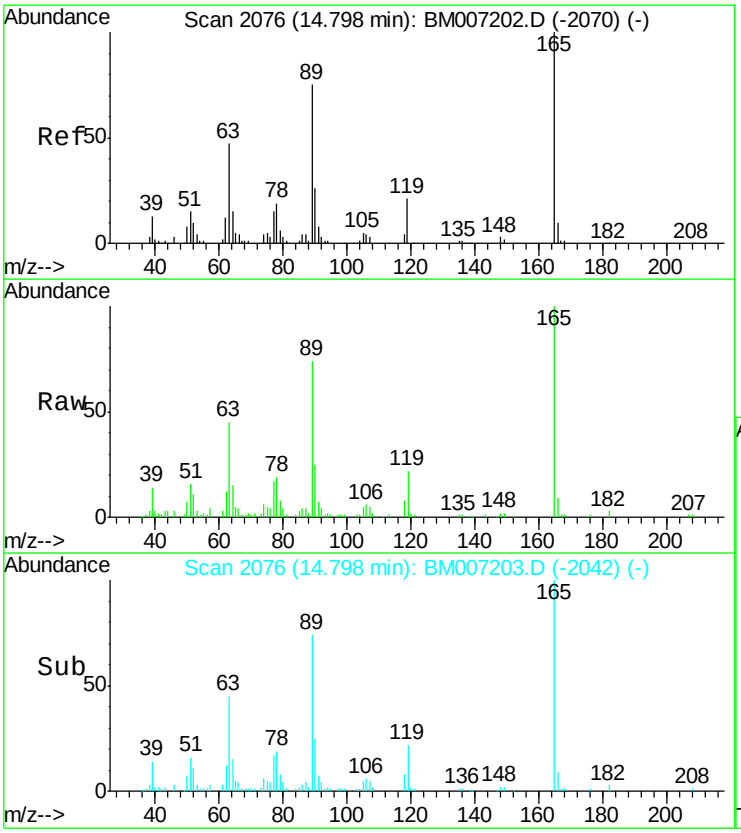
#53
Dibenzofuran
Concen: 11.05 ng/ul
RT: 14.83 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:168 Resp: 388652

Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.1	45.1

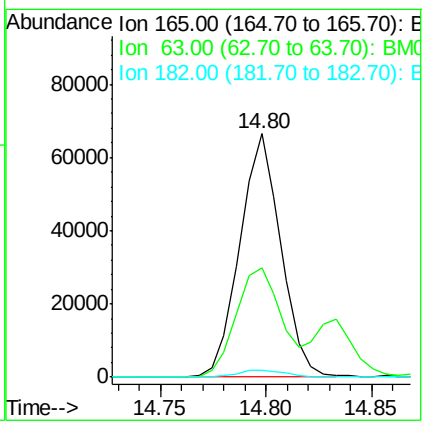


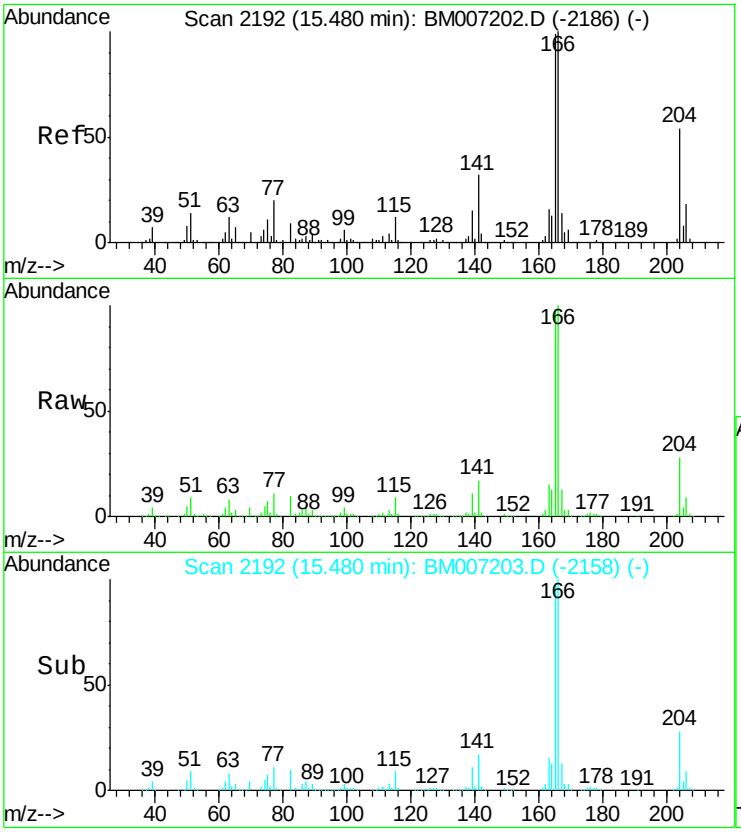


#54
2,4-Dinitrotoluene
Concen: 10.59 ng/ul
RT: 14.80 min Scan# 2076
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:165 Resp: 89606

Ion	Ratio	Lower	Upper
165	100		
63	44.8	36.2	54.2
182	2.9	2.2	3.4



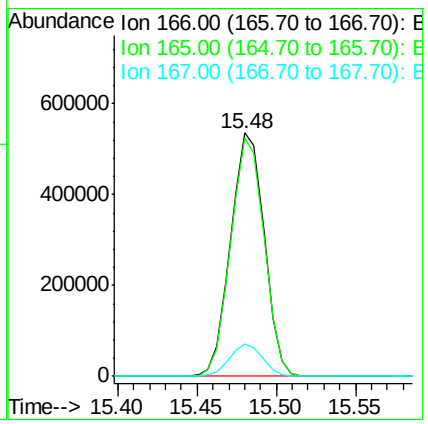


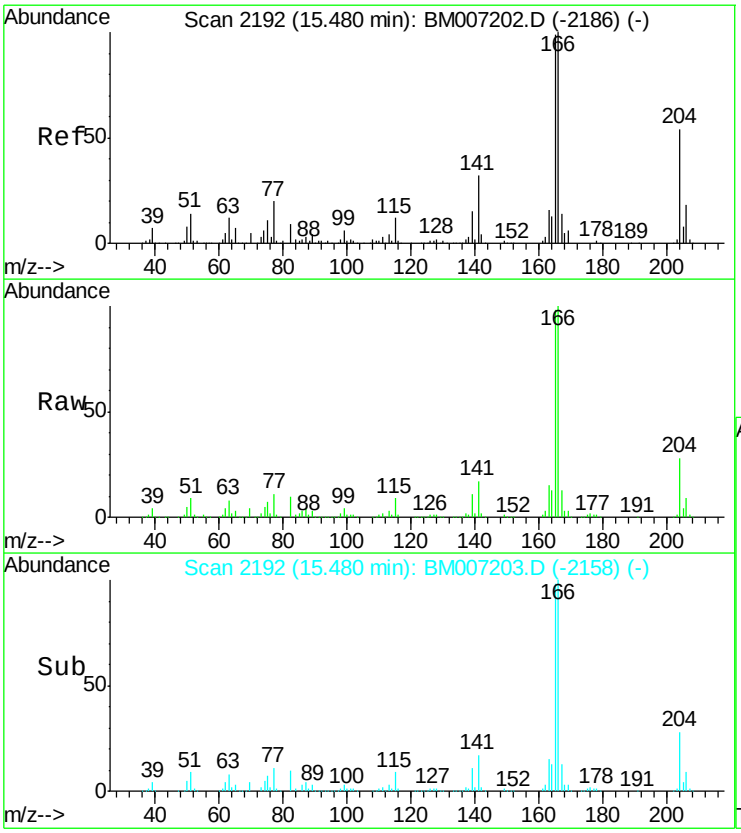
#58
Fluorene
Concen: 27.79 ng/ul
RT: 15.48 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:166 Resp: 788276

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.9	119.9
167	13.3	10.5	15.7

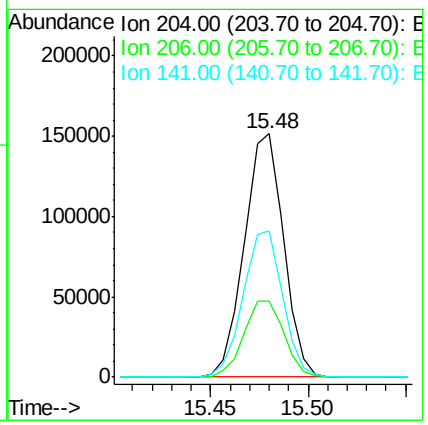


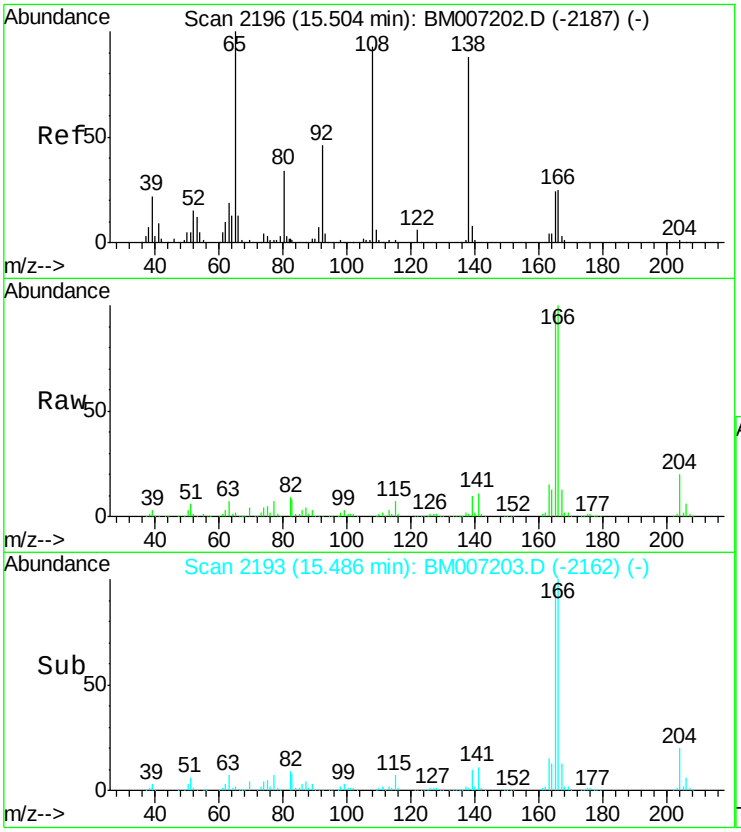


#59
4-Chlorophenyl-phenylether
Concen: 14.13 ng/ul
RT: 15.48 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:204 Resp: 211575

Ion	Ratio	Lower	Upper
204	100		
206	31.3	25.9	38.9
141	59.9	46.1	69.1



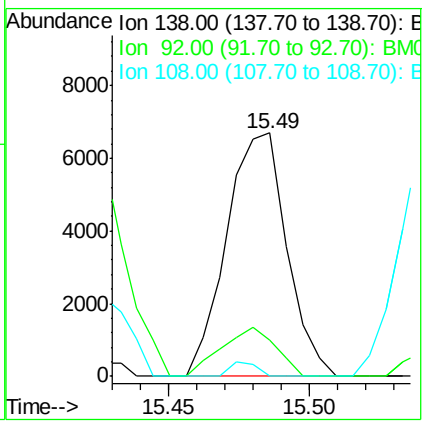


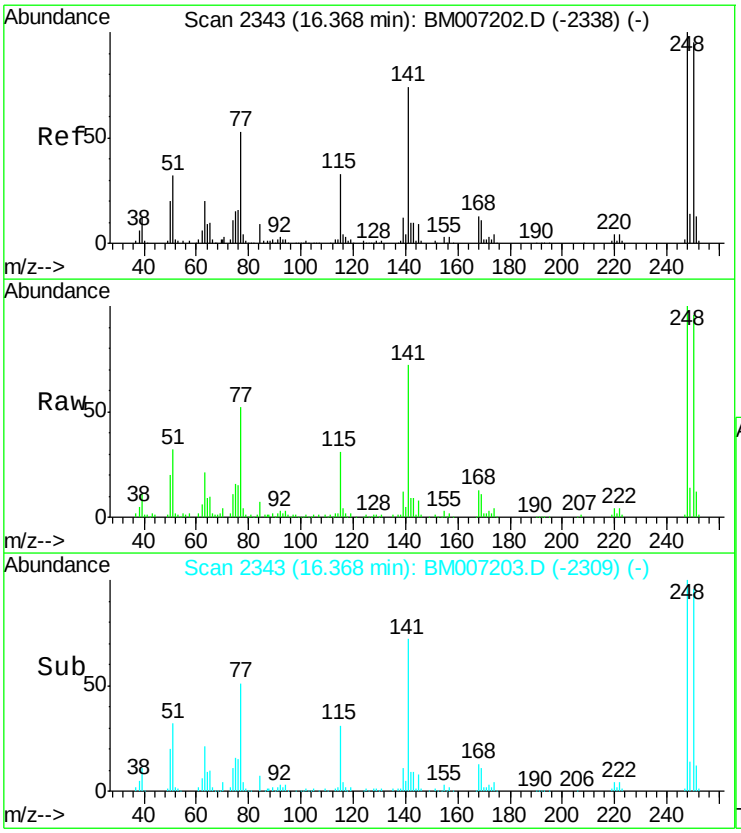
#60
4-Nitroaniline
Concen: 1.49 ng/ul
RT: 15.49 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:138 Resp: 9888

Ion	Ratio	Lower	Upper
138	100		
92	14.9	43.5	65.3#
108	0.0	80.3	120.5#

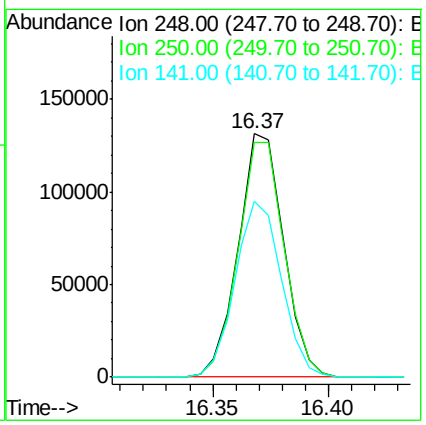


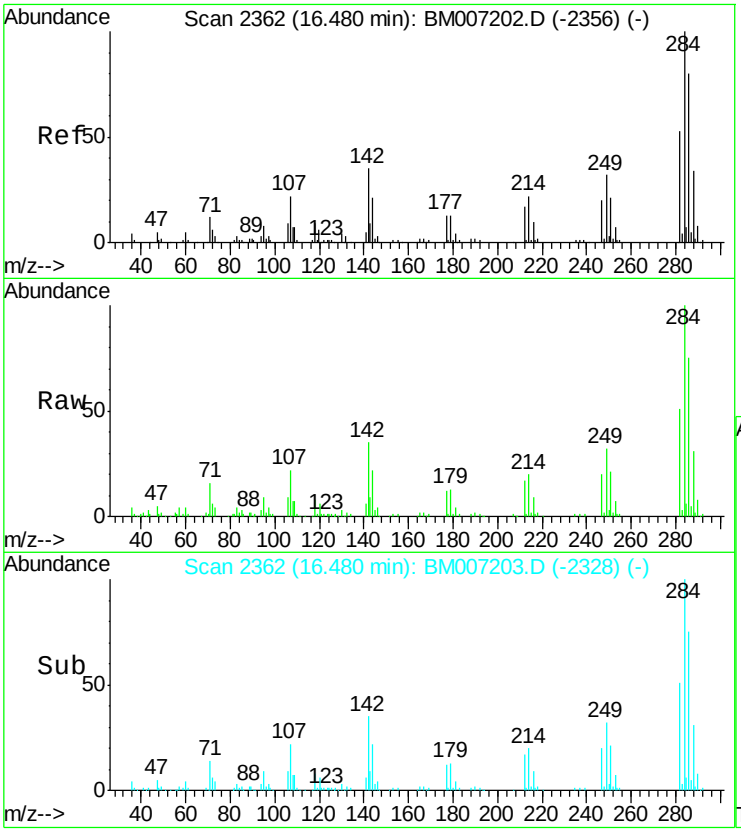


#65
4-Bromophenyl-phenylether
Concen: 18.37 ng/ul
RT: 16.37 min Scan# 2343
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:248 Resp: 181210

Ion	Ratio	Lower	Upper
248	100		
250	96.2	79.7	119.5
141	72.4	58.3	87.5



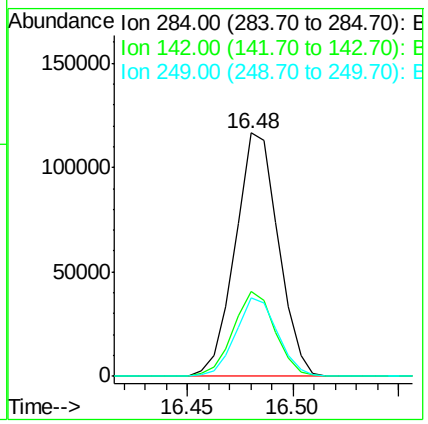


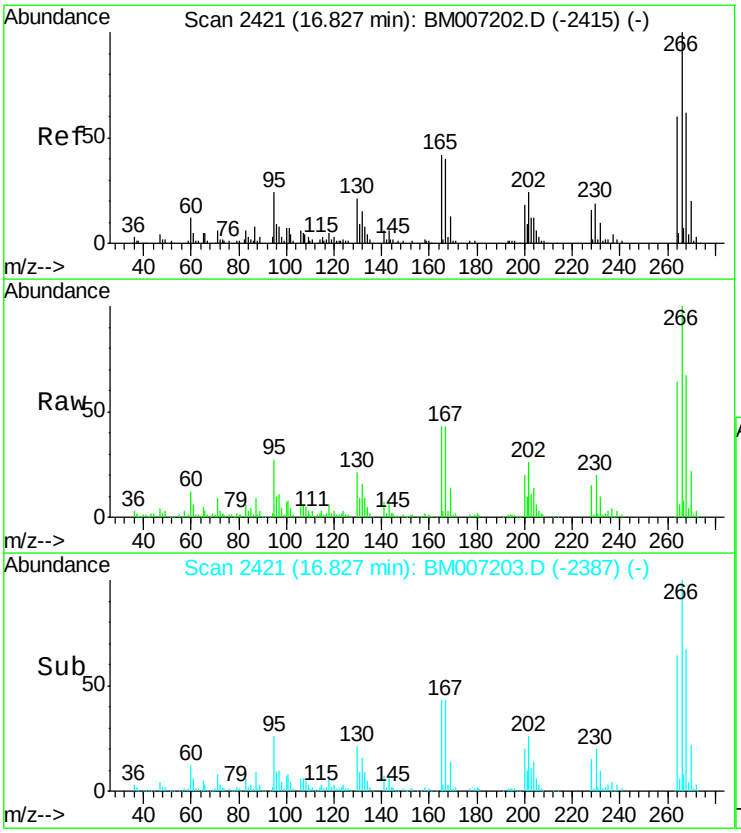
#66
Hexachlorobenzene
Concen: 14.80 ng/ul
RT: 16.48 min Scan# 2362
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:284 Resp: 165253

Ion	Ratio	Lower	Upper
284	100		
142	34.6	24.9	37.3
249	32.1	25.5	38.3

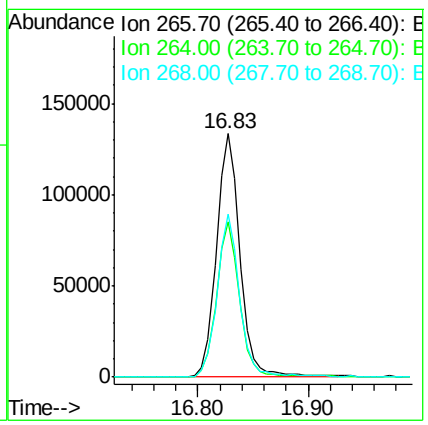


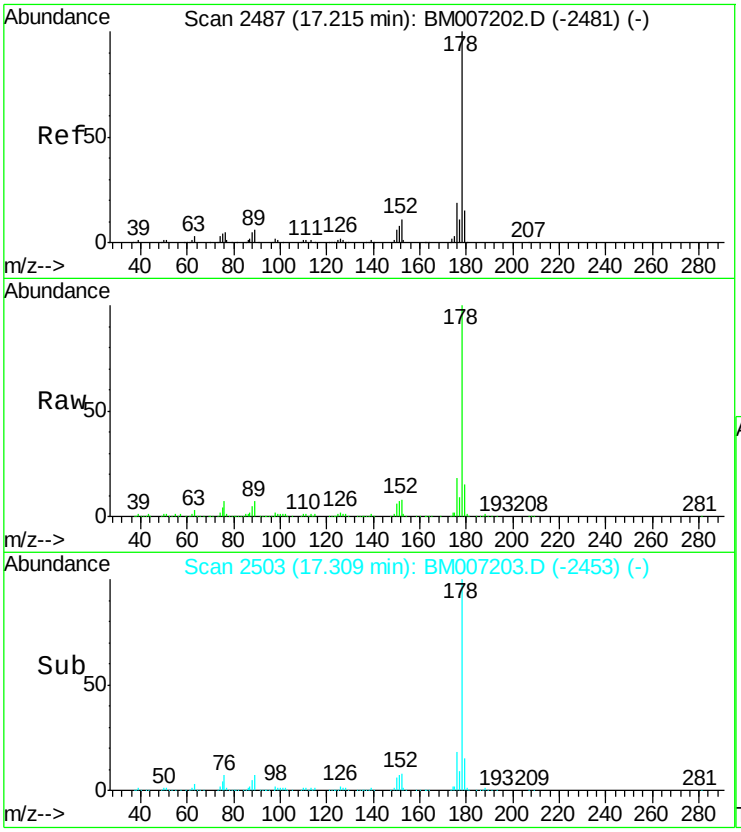


#68
Pentachlorophenol
Concen: 28.73 ng/ul
RT: 16.83 min Scan# 2421
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:266 Resp: 197294

Ion	Ratio	Lower	Upper
266	100		
264	64.0	50.6	75.8
268	66.9	51.0	76.6



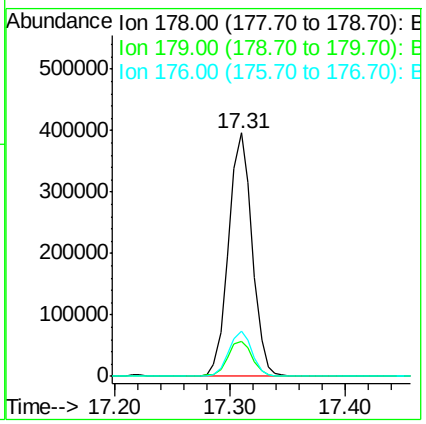


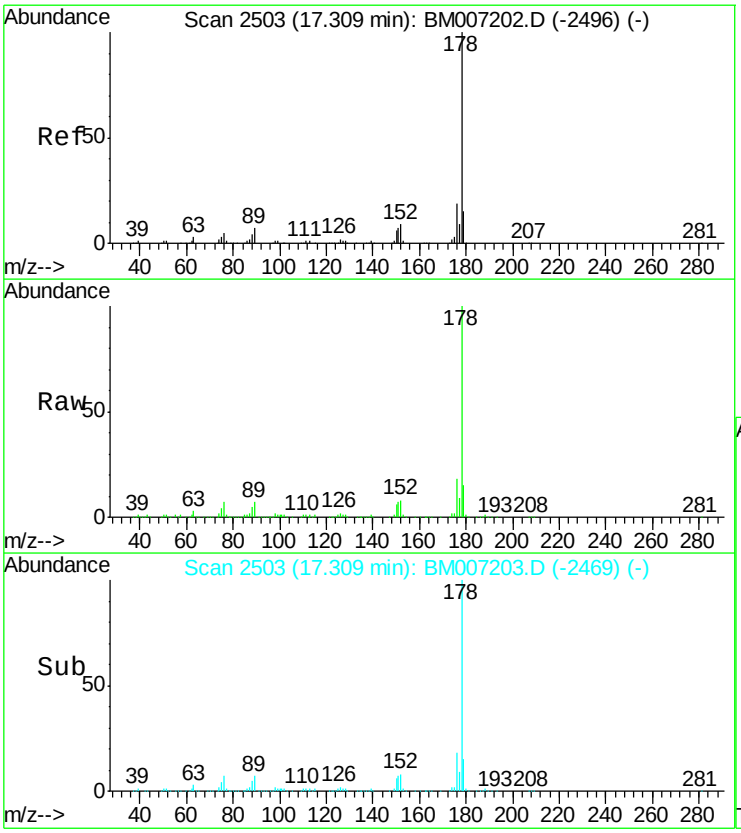
#69
Phenanthrene
Concen: 11.97 ng/ul
RT: 17.31 min Scan# 2503
Delta R.T. 0.09 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:178 Resp: 560510

Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.2	18.2
176	18.4	15.1	22.7

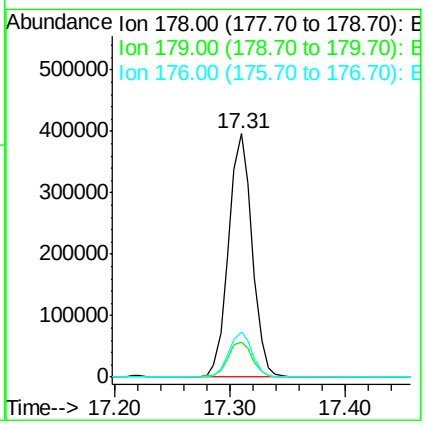


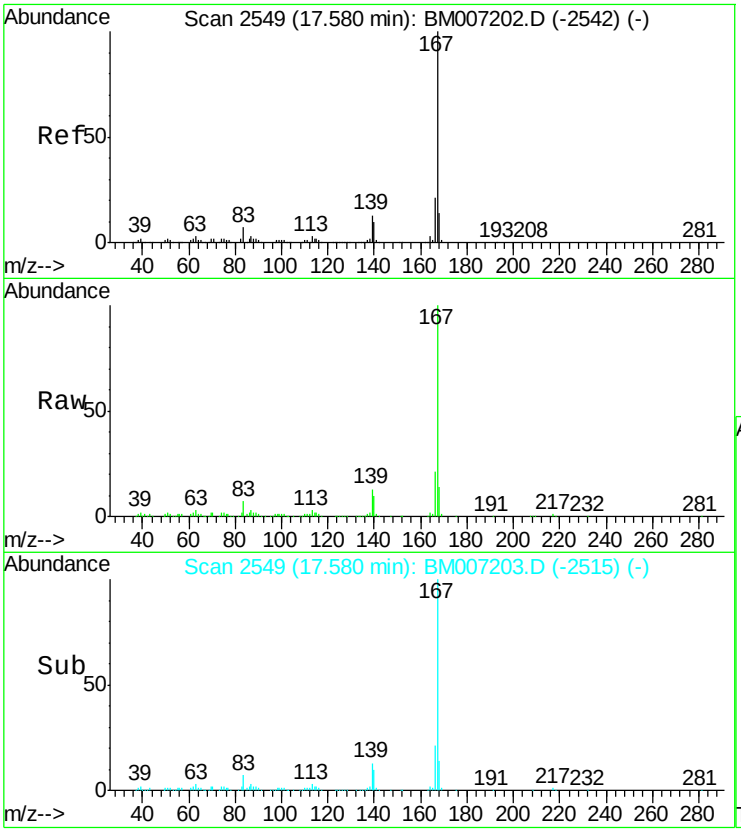


#71
Anthracene
Concen: 11.66 ng/ul
RT: 17.31 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:178 Resp: 560510

Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.1	18.1
176	18.4	14.5	21.7



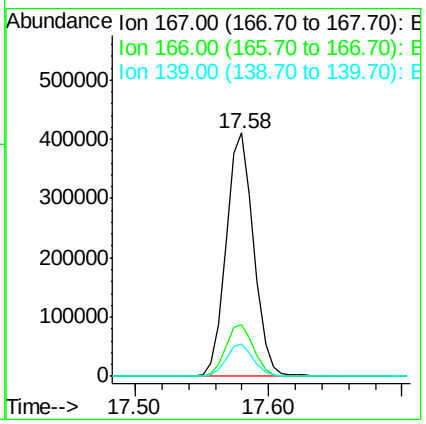


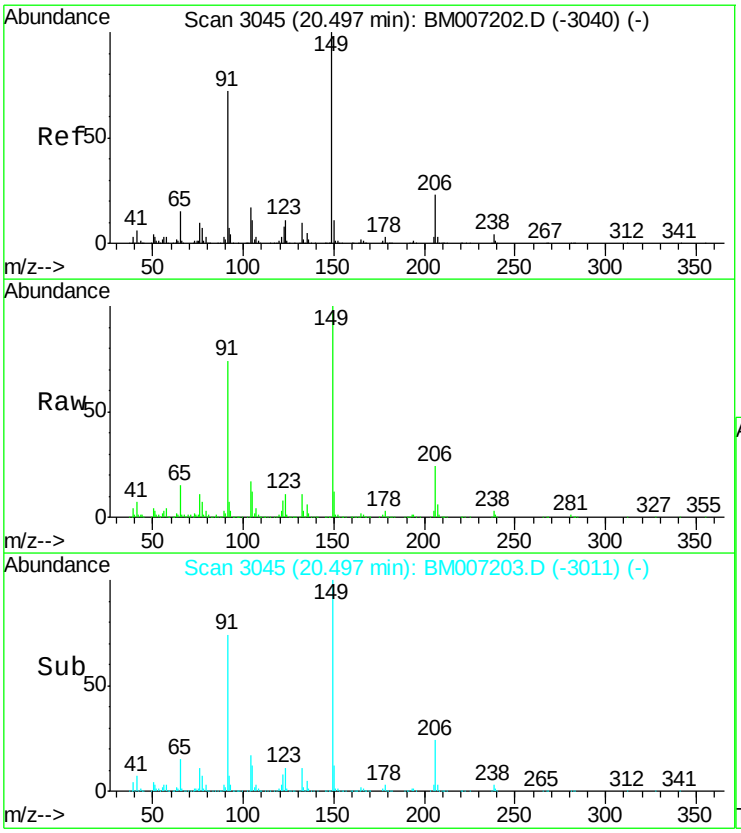
#72
Carbazole
Concen: 14.31 ng/ul
RT: 17.58 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:167 Resp: 592892

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.6	25.0
139	13.1	10.2	15.4

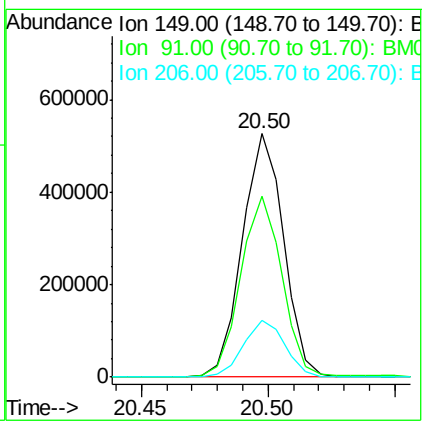


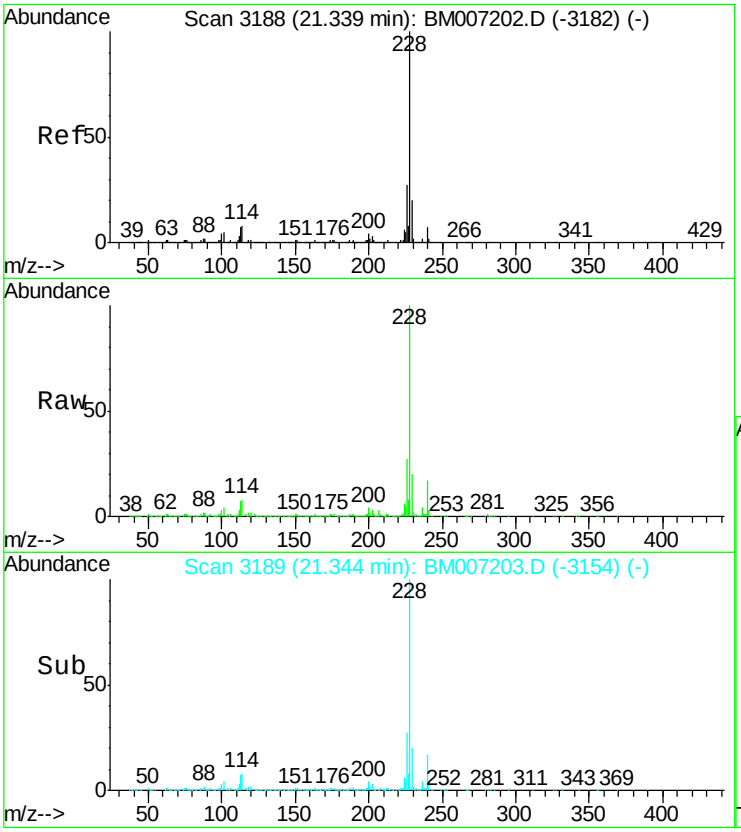


#78
Butylbenzylphthalate
Concen: 24.60 ng/ul
RT: 20.50 min Scan# 3045
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:149 Resp: 594388

Ion	Ratio	Lower	Upper
149	100		
91	74.3	57.3	85.9
206	23.5	18.6	27.8



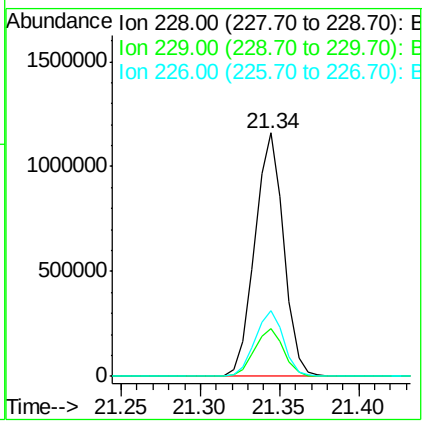


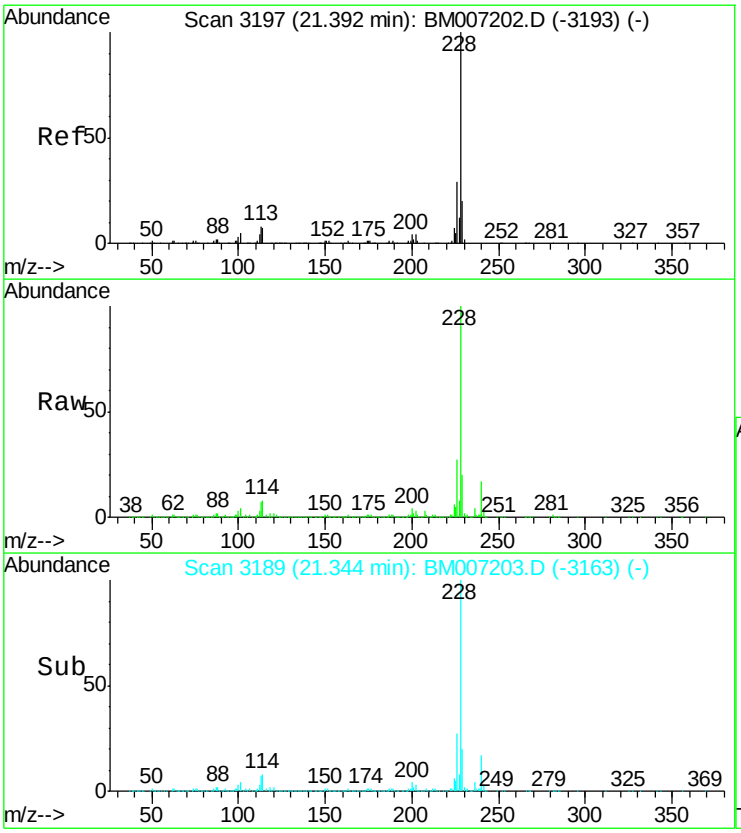
#80
Benzo(a)anthracene
Concen: 22.21 ng/ul
RT: 21.34 min Scan# 3189
Delta R.T. 0.01 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:228 Resp: 1474814

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.6	23.4
226	27.0	21.8	32.8

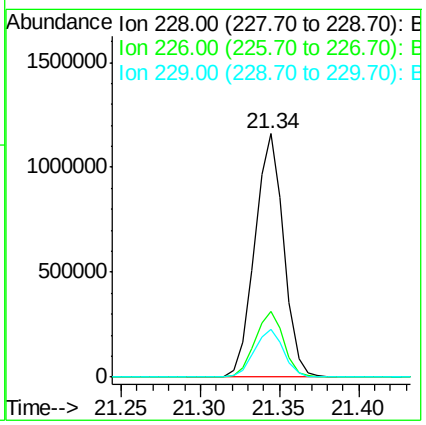


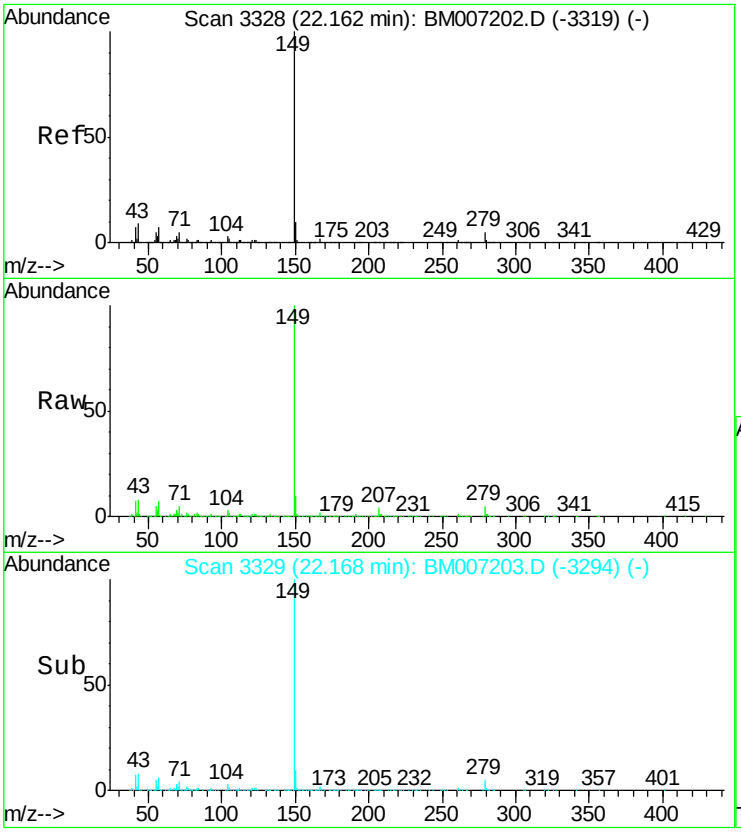


#82
Chrysene
Concen: 24.30 ng/ul
RT: 21.34 min Scan# 3189
Delta R.T. -0.05 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:228 Resp: 1474814

Ion	Ratio	Lower	Upper
228	100		
226	27.0	23.4	35.2
229	19.8	15.5	23.3



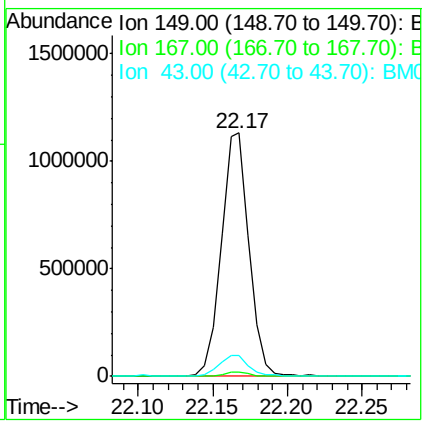


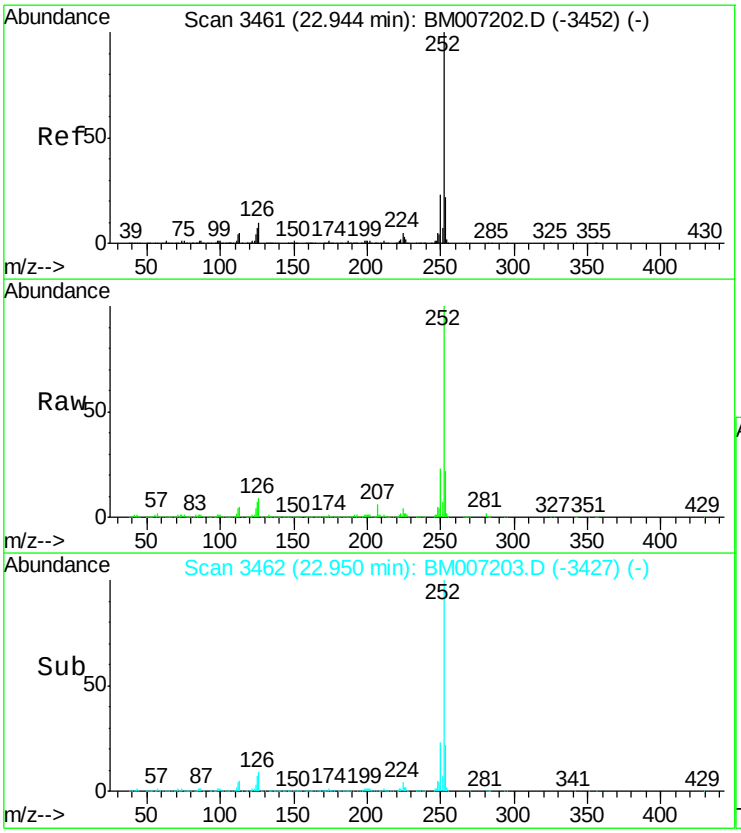
#84
Di-n-octyl phthalate
Concen: 24.28 ng/ul
RT: 22.17 min Scan# 3329
Delta R.T. 0.01 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:149 Resp: 1466569

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0

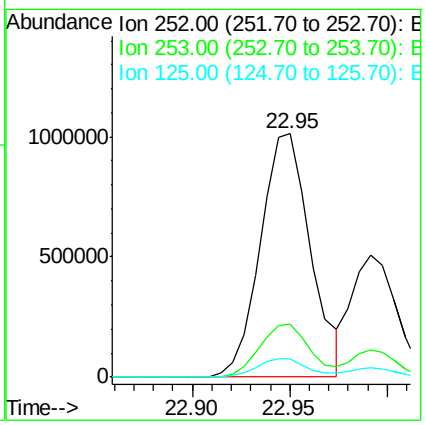


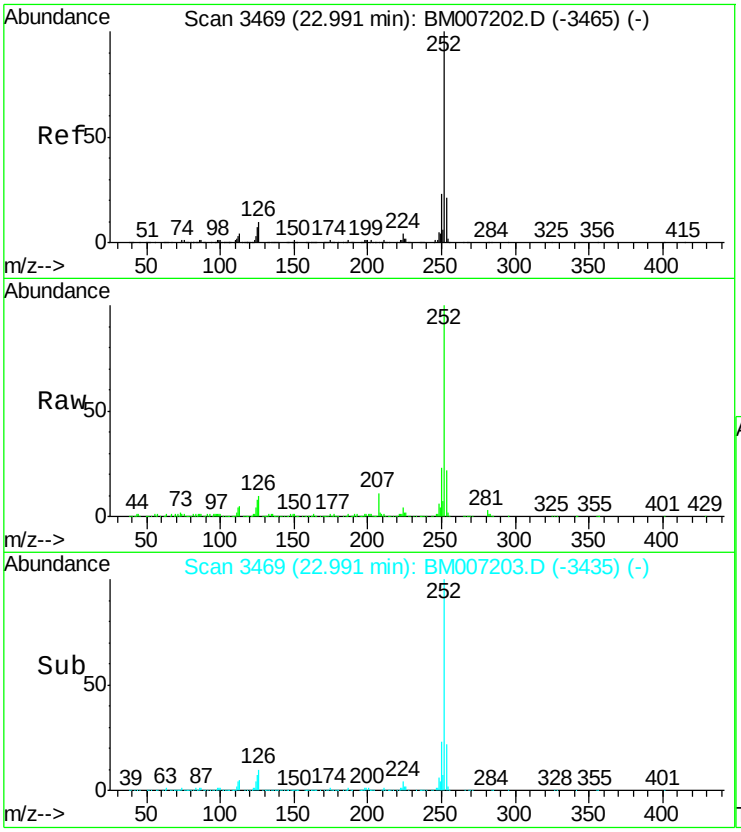


#85
Benzo(b)fluoranthene
Concen: 25.54 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. 0.01 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Tgt Ion:252 Resp: 1801835

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	7.3	5.8	8.8





#86
Benzo(k)fluoranthene
Concen: 12.20 ng/ul
RT: 22.99 min Scan# 3469
Delta R.T. -0.00 min
Lab File: BM007203.D
Acq: 18 Aug 2016 13:28

Instrument :
BNA_M
ClientSampleId :
DA233

Tgt Ion:252 Resp: 808183

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	7.6	5.7	8.5