Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113016\
Data File : BM008111.D
Acq On : 30 Nov 2016 10:24
Operator : UM/SJ
Sample : H5699-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WB3

Quant Time: Nov 30 11:02:04 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 10:28:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	139798	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	533459	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	333536	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	617350	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	730122	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	729729	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	22160	7.84	ng/uL	0.00
5) Phenol-d5	6.88	99	428737	41.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	252826	42.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	340221	42.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	340918	42.09	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	164967	43.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	186614	42.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	338704	42.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	121648	15.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	931290	43.32	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1157609	43.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	137027	41.26	ng/ul	0.00
57) Fluorene-d10	15.33	176	795383	42.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	139048	37.93	ng/ul	0.00
70) Anthracene-d10	17.19	188	1190799	44.84	ng/ul	0.00
76) Pyrene-d10	19.49	212	1310957	44.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	1347142	44.31	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.86	77	22255	2.95	ng/ul	90
10) 2-Chlorophenol	7.27	128	387343	46.90	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.22	45	620107	68.70	ng/ul	97
14) Acetophenone	8.52	105	599350	46.26	ng/ul	97
17) Hexachloroethane	8.76	117	86151	23.38	ng/ul	94
20) Nitrobenzene	8.90	77	698215	73.33	ng/ul	98
23) 2-Nitrophenol	9.60	139	261494	58.84	ng/ul	99
27) 2,4-Dichlorophenol	10.13	162	224404	28.91	ng/ul	97
28) Naphthalene	10.53	128	470733	18.99	ng/ul	99
33) 4-Chloro-3-methylphenol	11.77	107	472051	56.59	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	12.52	216	249678	24.11	ng/ul	99
38) 2,4,6-Trichlorophenol	12.76	196	237421	38.22	ng/ul	96
40) 1,1'-Biphenyl	13.16	154	1065859	47.42	ng/ul	100
42) 2-Nitroaniline	13.43	65	314654	64.15	ng/ul	97
45) 2,6-Dinitrotoluene	13.93	165	212803	50.93	ng/ul	99
47) Acenaphthylene	14.06	152	1670413	62.67	ng/ul	99
49) Acenaphthene	14.40	153	94133	5.17	ng/ul	99
52) 4-Nitrophenol	14.58	109	226337	72.50	ng/ul	97
53) Dibenzofuran	14.74	168	622634	24.04	ng/ul	99
54) 2,4-Dinitrotoluene	14.73	165	354225	59.48	ng/ul#	83
56) Diethylphthalate	15.17	149	1160156	51.40	ng/ul	98
58) Fluorene	15.39	166	203399	9.67	ng/ul	95
64) N-Nitrosodiphenylamine	15.60	169	1082046	62.80	ng/ul	99

Quantitation Report (QT/LSC Reviewed)

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Data File : BM008111.D
Acq On : 30 Nov 2016 10:24
Operator : UM/SJ
Sample : H5699-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WB3

Quant Time: Nov 30 11:02:04 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 10:28:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Hexachlorobenzene	16.40	284	366229	48.37 ng/ul	96
68) Pentachlorophenol	16.75	266	223901	51.10 ng/ul	98
69) Phenanthrene	17.13	178	1205961	39.07 ng/ul	100
73) Di-n-butylphthalate	18.06	149	1598507	49.29 ng/ul	100
77) Pyrene	19.52	202	732529	19.50 ng/ul	98
80) Benzo(a)anthracene	21.27	228	1837272	48.76 ng/ul	100
84) Di-n-octyl phthalate	22.06	149	1271241	33.84 ng/ul	100
85) Benzo(b)fluoranthene	22.85	252	1516884	38.82 ng/ul	99
88) Benzo(a)pyrene	23.42	252	898085	23.92 ng/ul	99
90) Dibenzo(a,h)anthracene	25.78	278	2178092	56.40 ng/ul	100
91) Benzo(g,h,i)perylene	26.46	276	1125604	29.56 ng/ul	99

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

Quantitation Report (QT/LSC Reviewed)

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Quant Title : SVOA CALIBRATION
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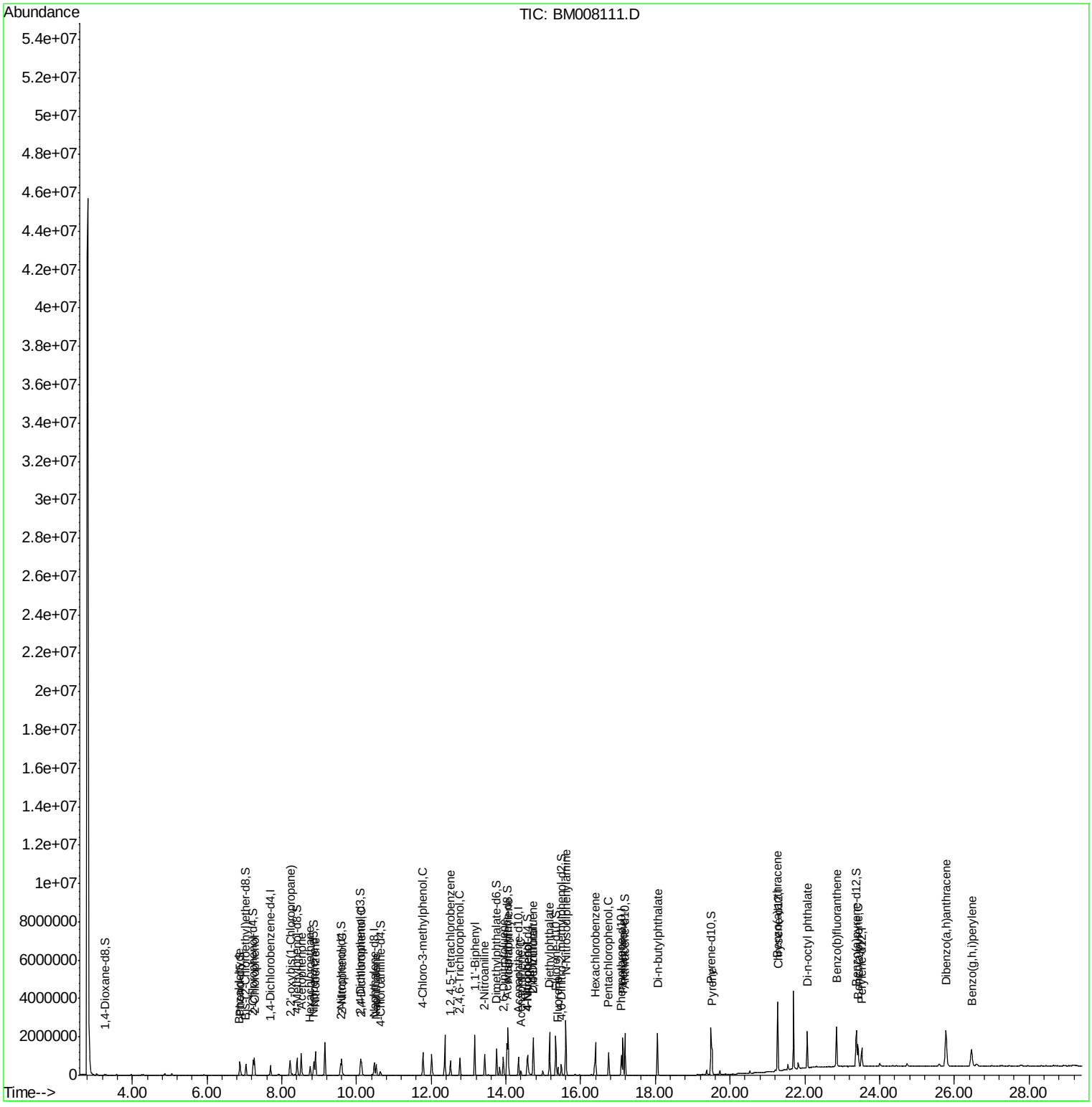
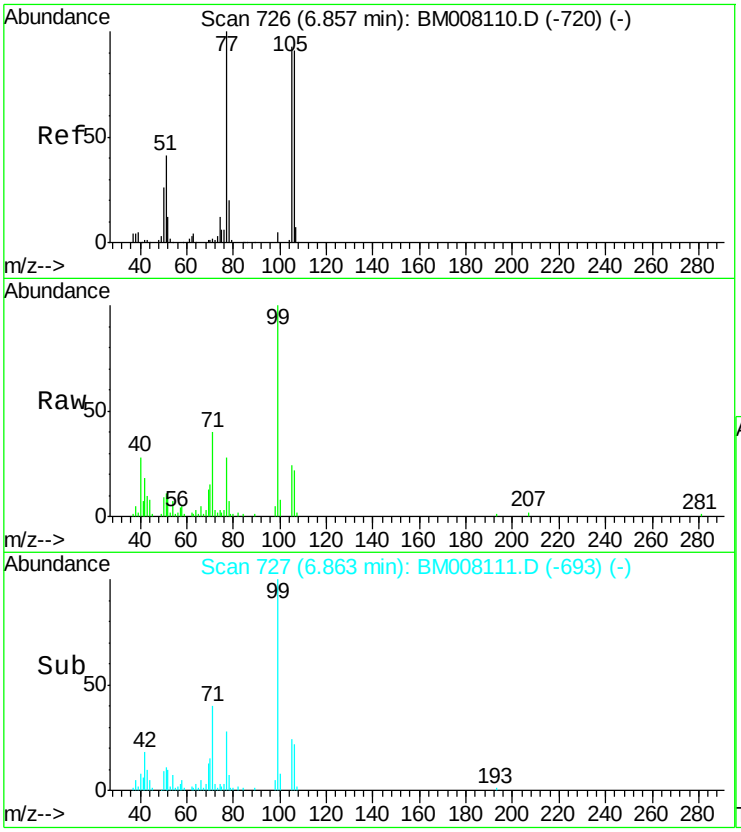
Response via : Initial Calibration



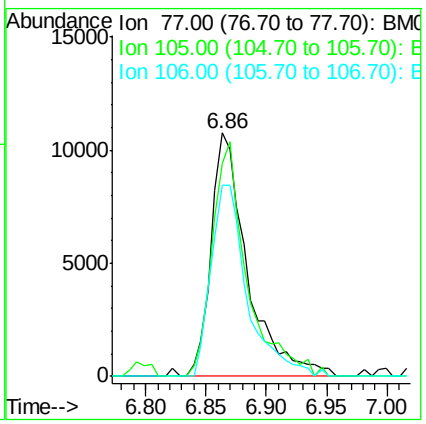


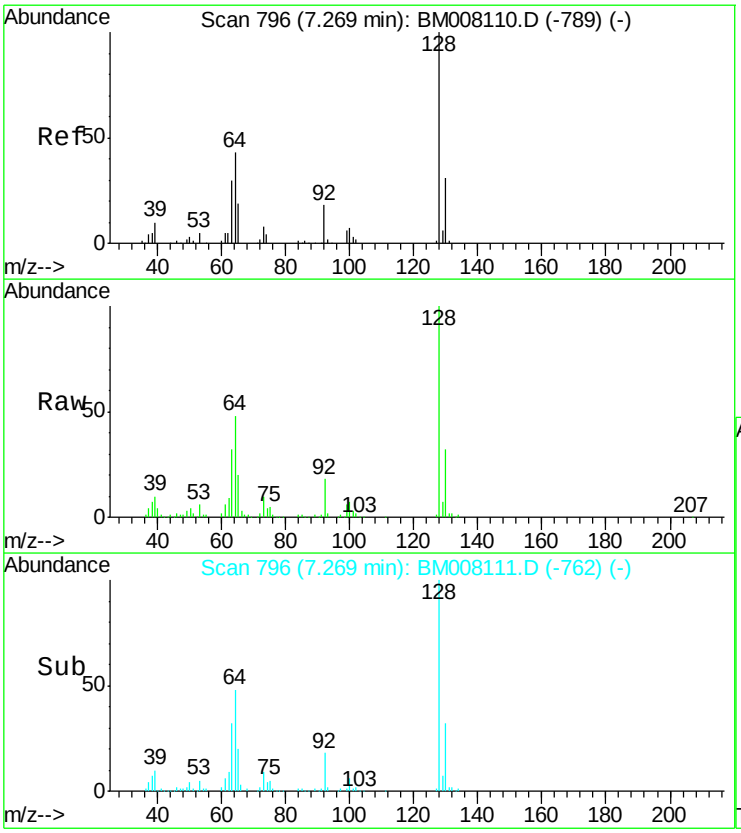
#4
Benzaldehyde
Concen: 2.95 ng/ul
RT: 6.86 min Scan# 727
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion: 77 Resp: 22255

Ion	Ratio	Lower	Upper
77	100		
105	87.5	76.5	114.7
106	78.4	71.3	106.9

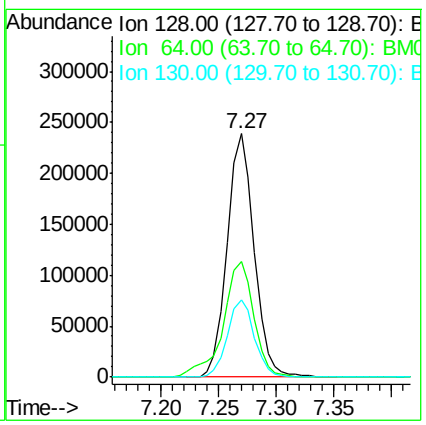


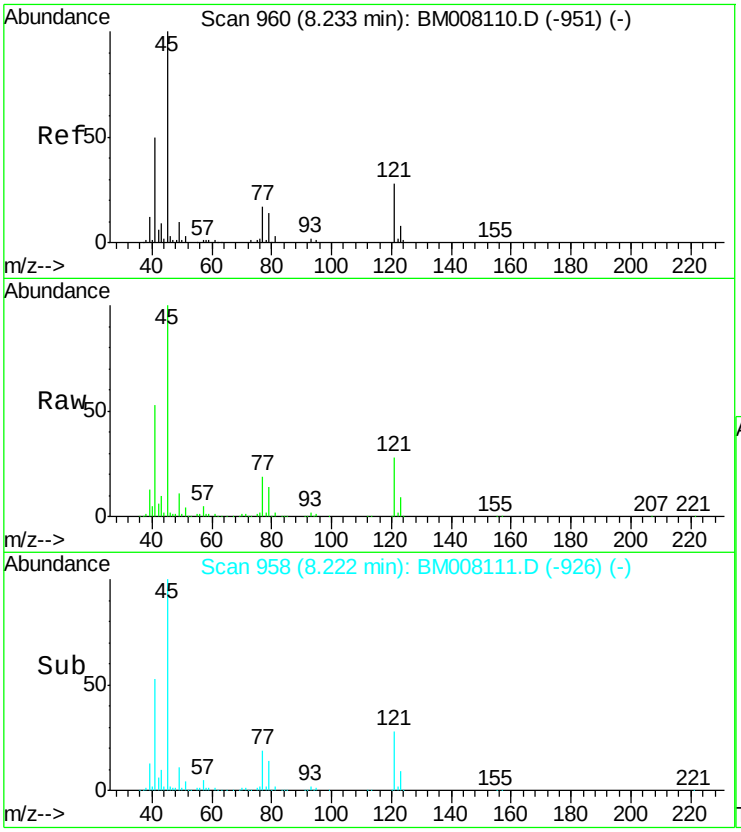


#10
2-Chlorophenol
Concen: 46.90 ng/ul
RT: 7.27 min Scan# 796
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:128 Resp: 387343

Ion	Ratio	Lower	Upper
128	100		
64	47.5	38.7	58.1
130	31.7	26.9	40.3



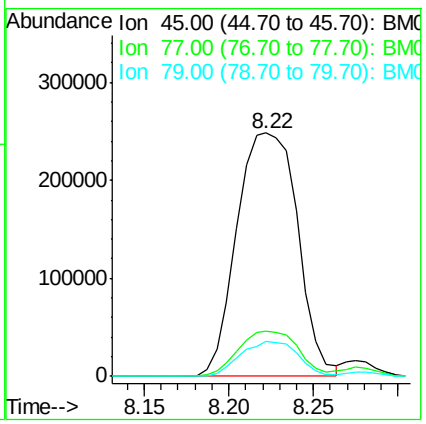


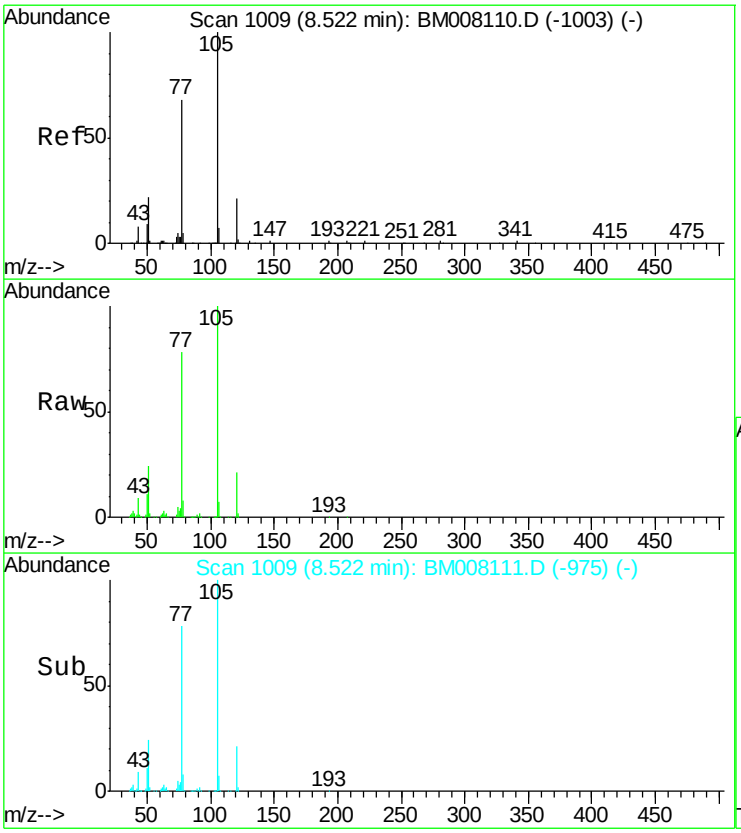
#12
2,2'-oxybis(1-Chloropropane)
Concen: 68.70 ng/ul
RT: 8.22 min Scan# 958
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion: 45 Resp: 620107

Ion	Ratio	Lower	Upper
45	100		
77	18.6	13.8	20.6
79	14.2	12.1	18.1

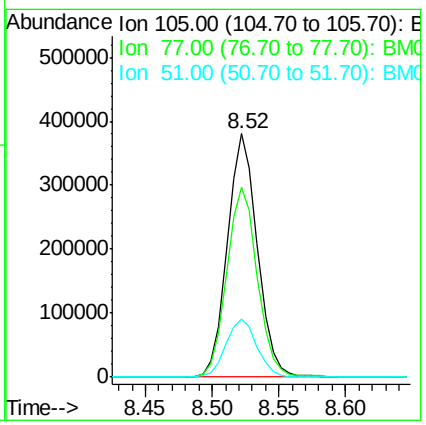


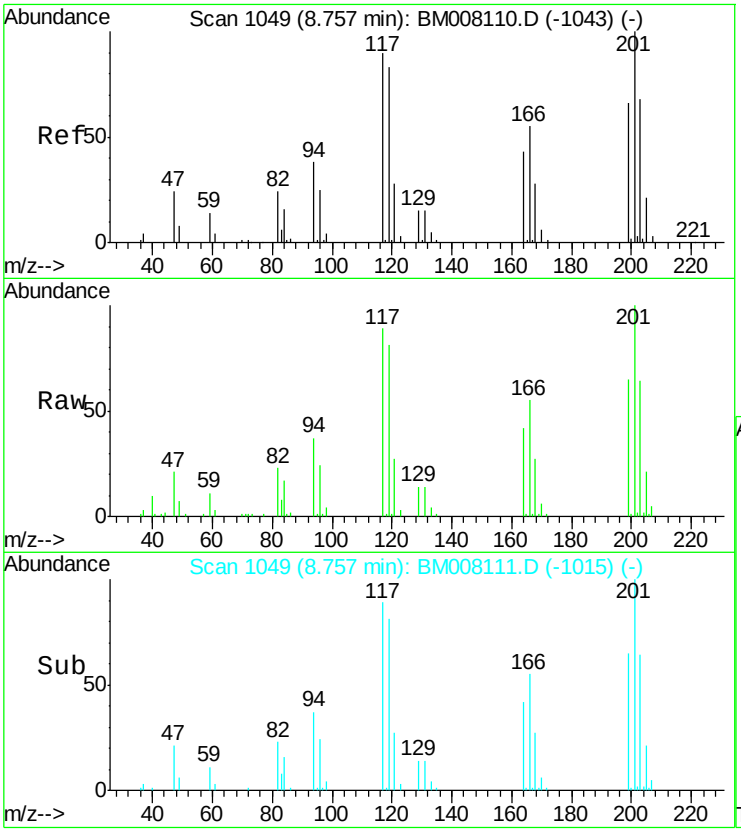


#14
Acetophenone
Concen: 46.26 ng/ul
RT: 8.52 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:105 Resp: 599350

Ion	Ratio	Lower	Upper
105	100		
77	77.8	64.2	96.4
51	23.6	19.8	29.6



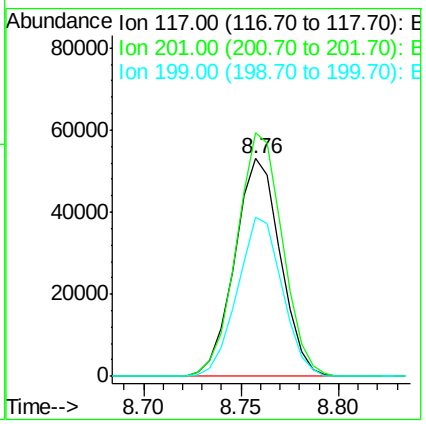


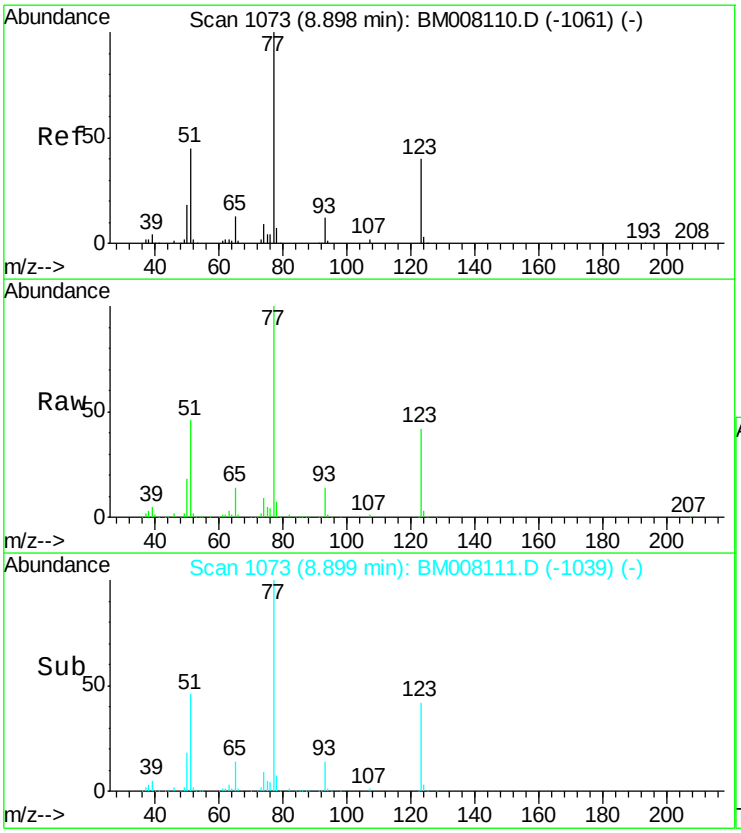
#17
Hexachloroethane
Concen: 23.38 ng/ul
RT: 8.76 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:117 Resp: 86151

Ion	Ratio	Lower	Upper
117	100		
201	111.8	85.4	128.2
199	73.2	54.1	81.1

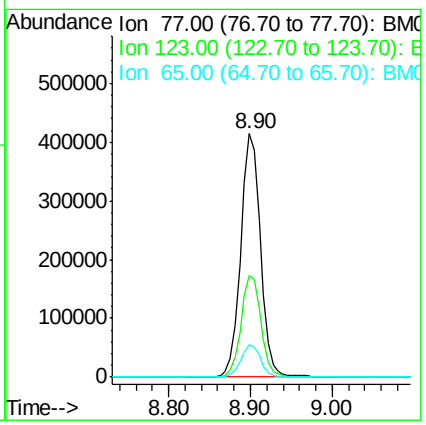


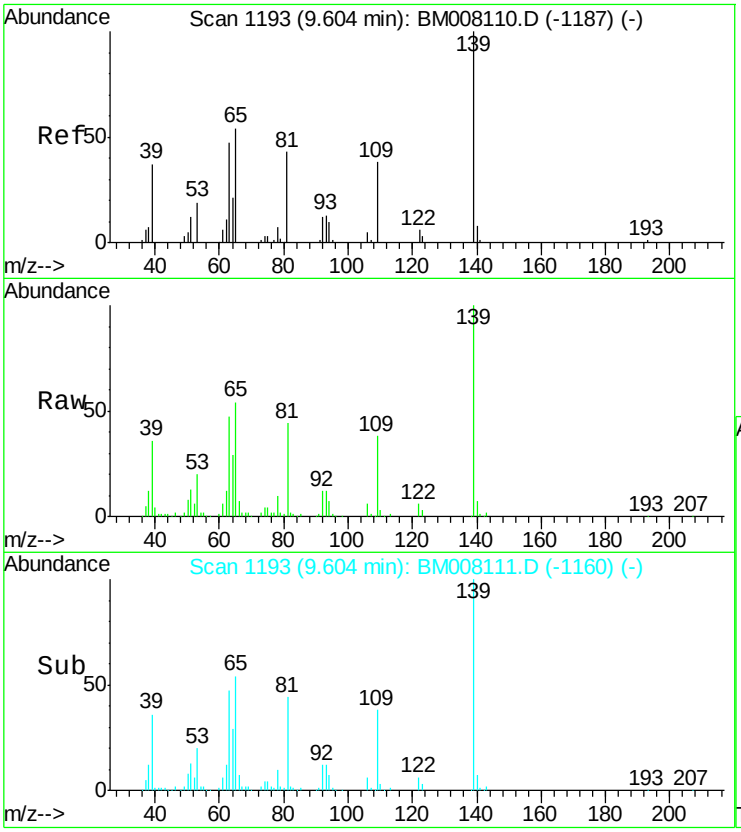


#20
Nitrobenzene
Concen: 73.33 ng/ul
RT: 8.90 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion: 77 Resp: 698215

Ion	Ratio	Lower	Upper
77	100		
123	41.6	32.2	48.2
65	13.5	11.0	16.6



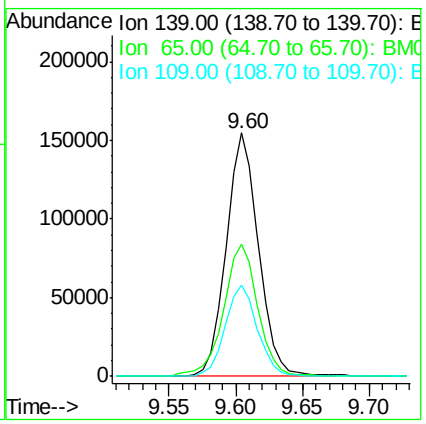


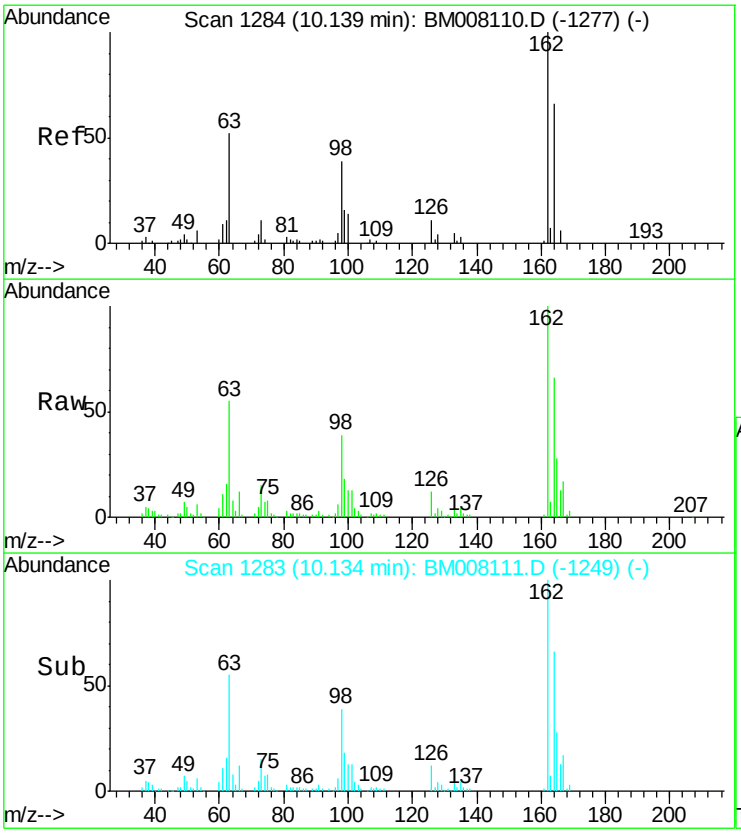
#23
2-Nitrophenol
Concen: 58.84 ng/ul
RT: 9.60 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:139 Resp: 261494

Ion	Ratio	Lower	Upper
139	100		
65	54.2	42.3	63.5
109	37.7	29.7	44.5

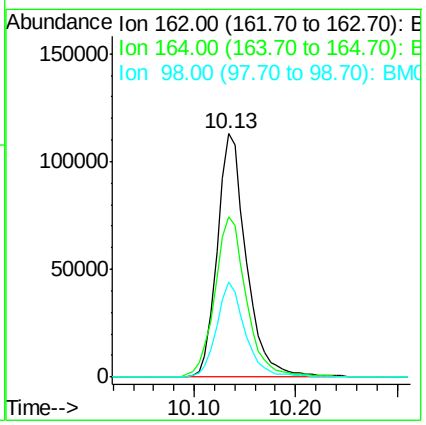


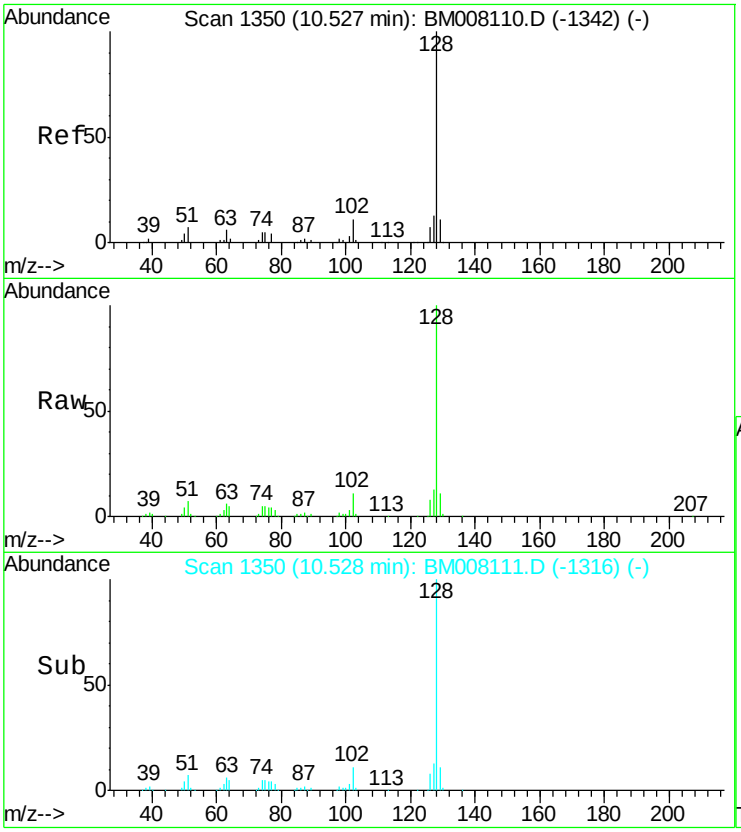


#27
2,4-Dichlorophenol
Concen: 28.91 ng/ul
RT: 10.13 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:162 Resp: 224404

Ion	Ratio	Lower	Upper
162	100		
164	65.7	50.8	76.2
98	39.3	29.8	44.6



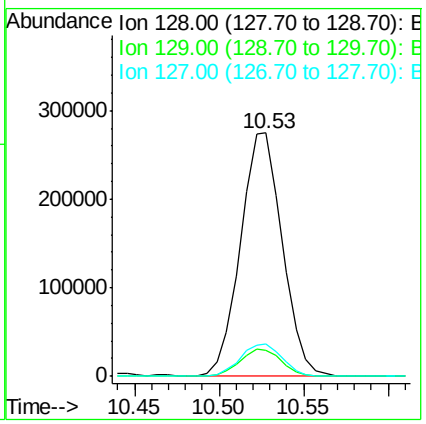


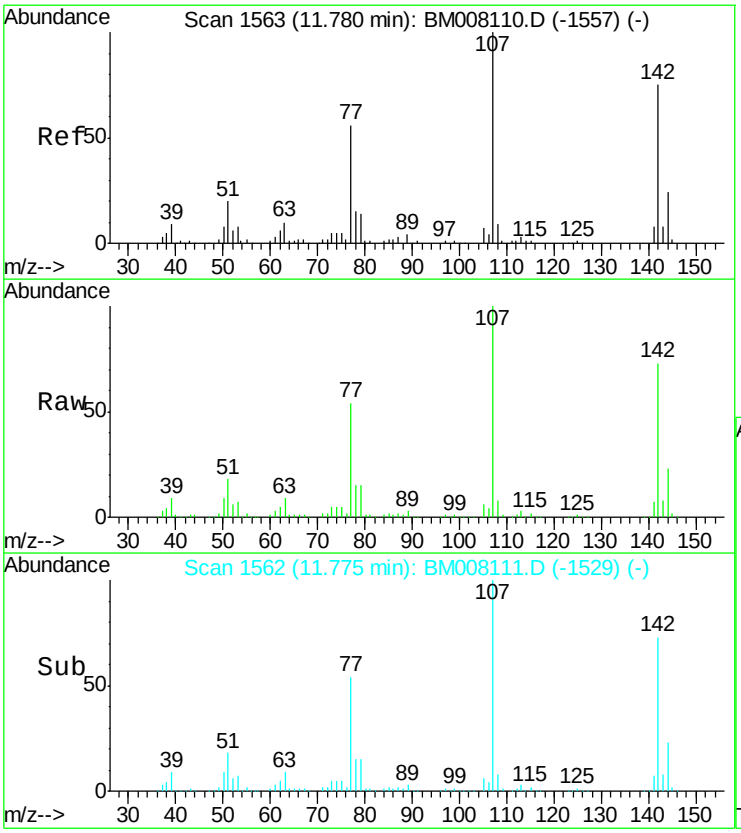
#28
Naphthalene
Concen: 18.99 ng/ul
RT: 10.53 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:128 Resp: 470733

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	13.4	10.6	16.0

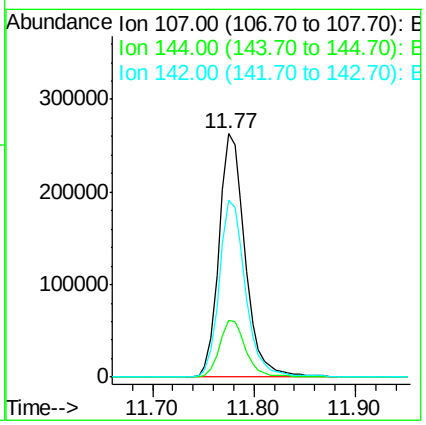


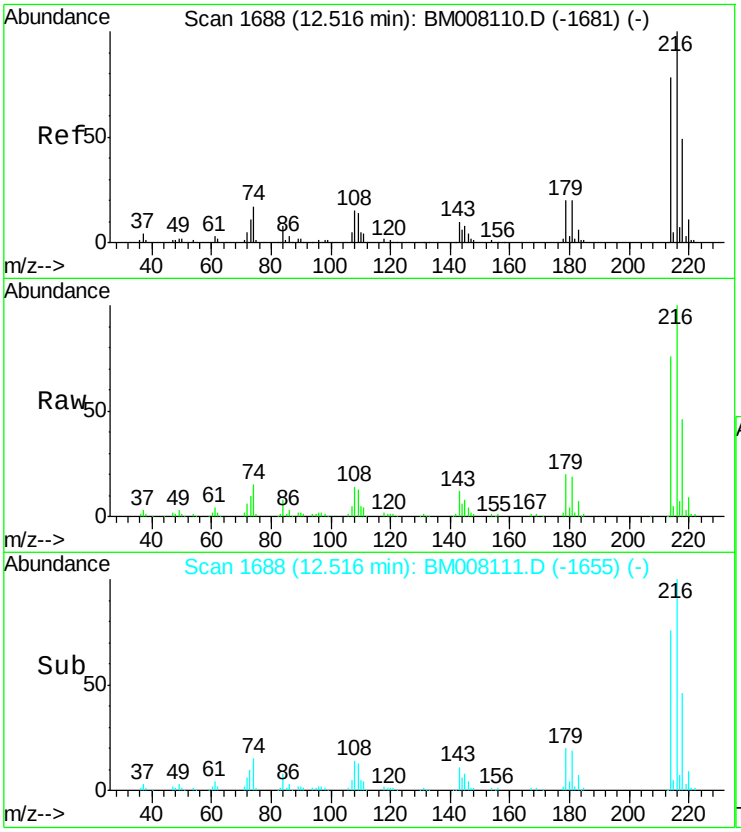


#33
4-Chloro-3-methylphenol
Concen: 56.59 ng/ul
RT: 11.77 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:107 Resp: 472051

Ion	Ratio	Lower	Upper
107	100		
144	23.4	19.4	29.2
142	72.8	58.0	87.0



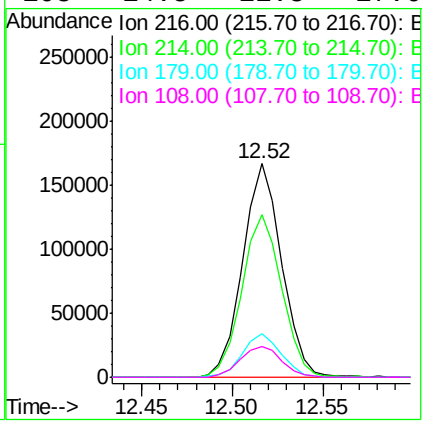


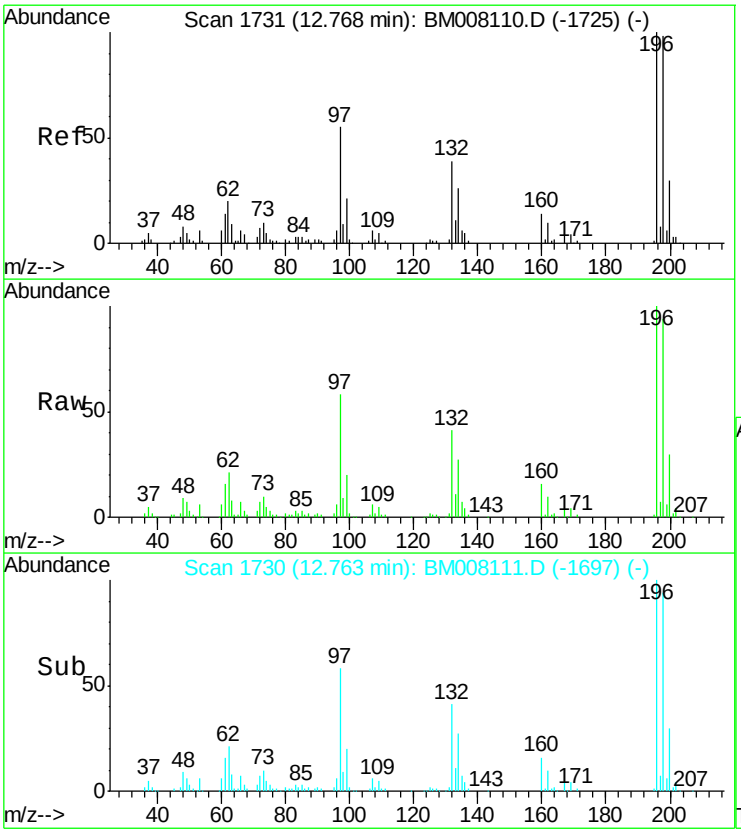
#36
1,2,4,5-Tetrachlorobenzene
Concen: 24.11 ng/ul
RT: 12.52 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:216 Resp: 249678

Ion	Ratio	Lower	Upper
216	100		
214	76.3	62.0	93.0
179	20.4	16.2	24.4
108	14.5	11.8	17.6

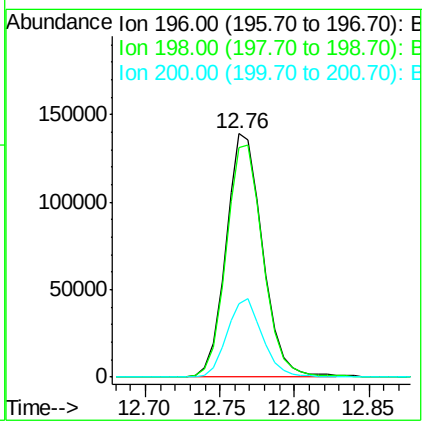


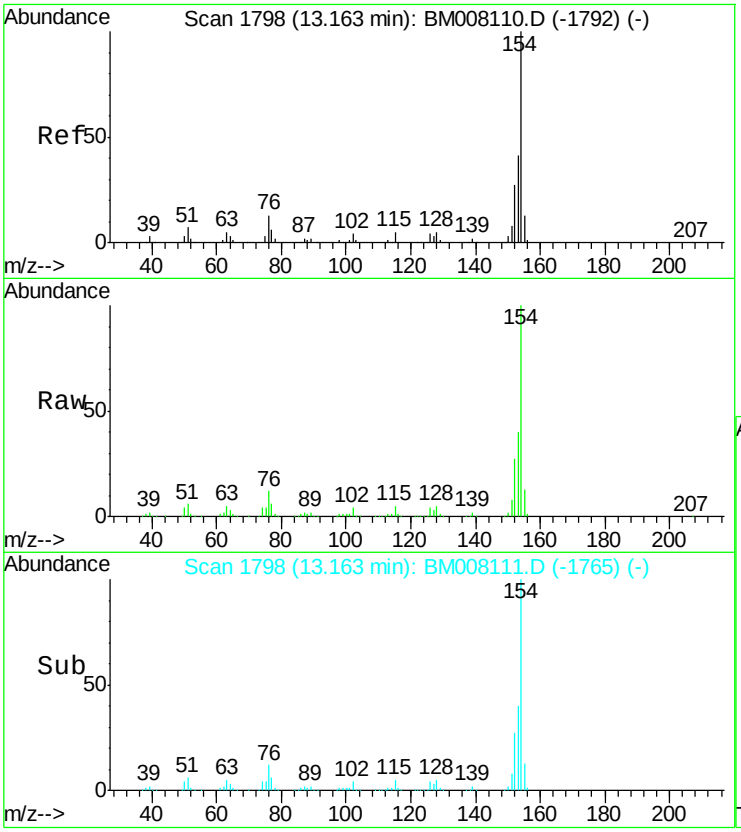


#38
2,4,6-Trichlorophenol
Concen: 38.22 ng/ul
RT: 12.76 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:196 Resp: 237421

Ion	Ratio	Lower	Upper
196	100		
198	94.1	78.8	118.2
200	30.3	25.7	38.5



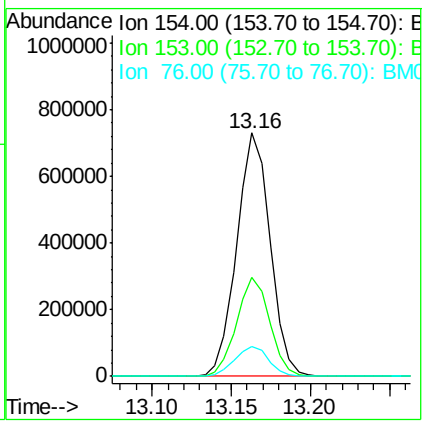


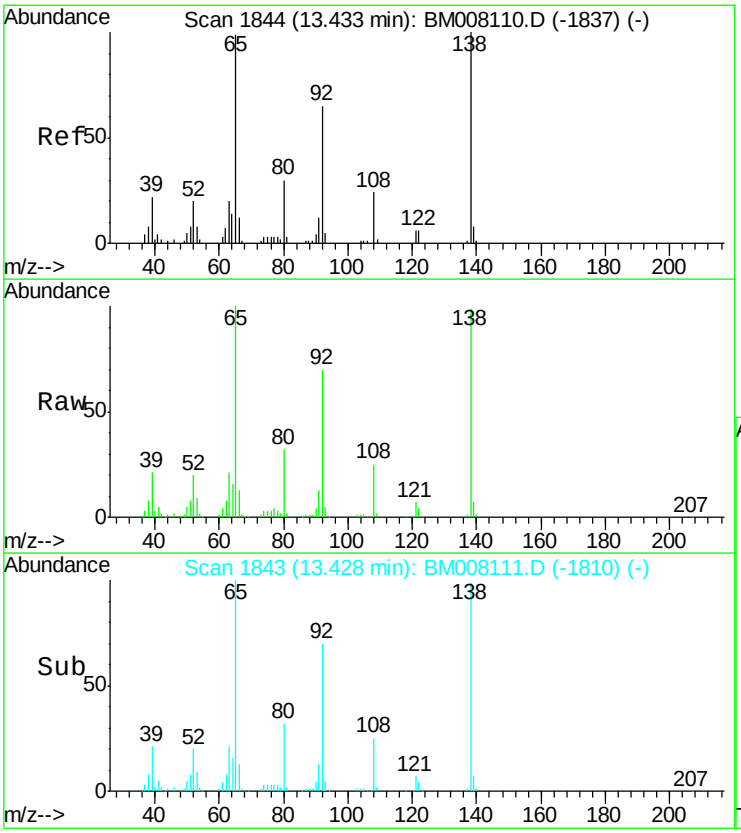
#40
1,1'-Biphenyl
Concen: 47.42 ng/ul
RT: 13.16 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:154 Resp: 1065859

Ion	Ratio	Lower	Upper
154	100		
153	40.4	32.2	48.4
76	12.3	9.8	14.6

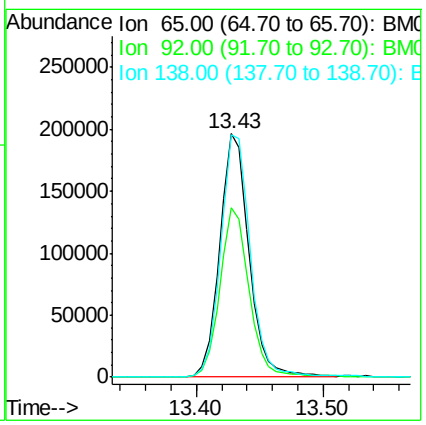


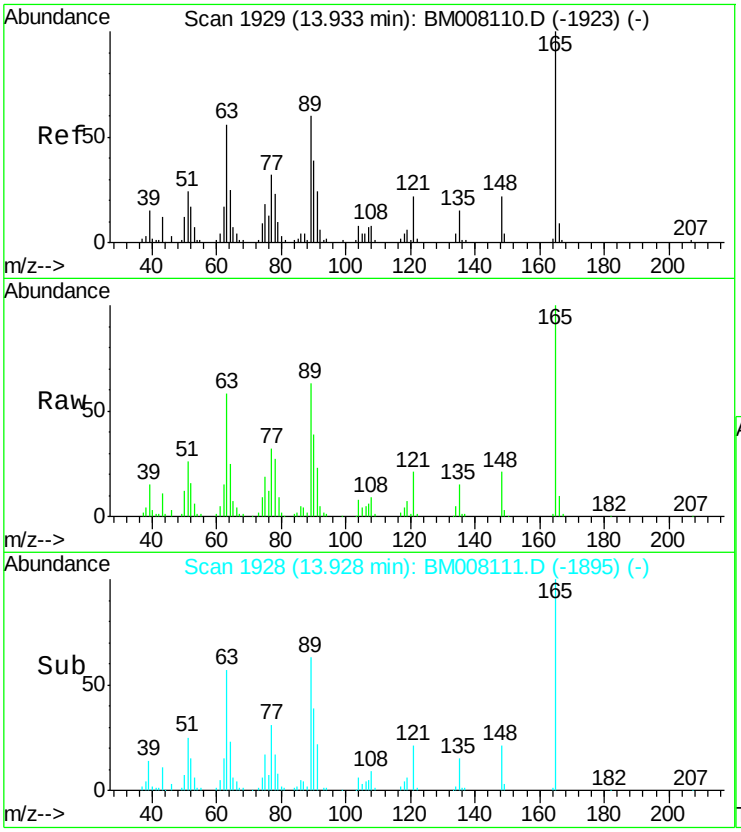


#42
2-Nitroaniline
Concen: 64.15 ng/ul
RT: 13.43 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion: 65 Resp: 314654

Ion	Ratio	Lower	Upper
65	100		
92	69.7	55.0	82.6
138	99.3	76.6	114.8



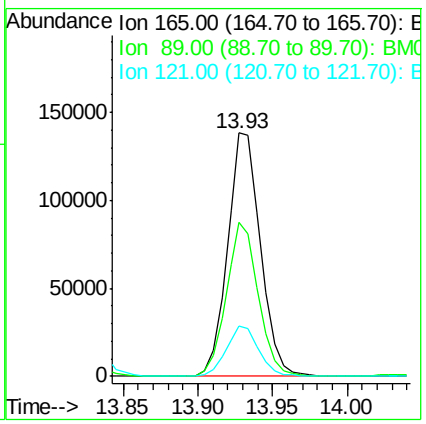


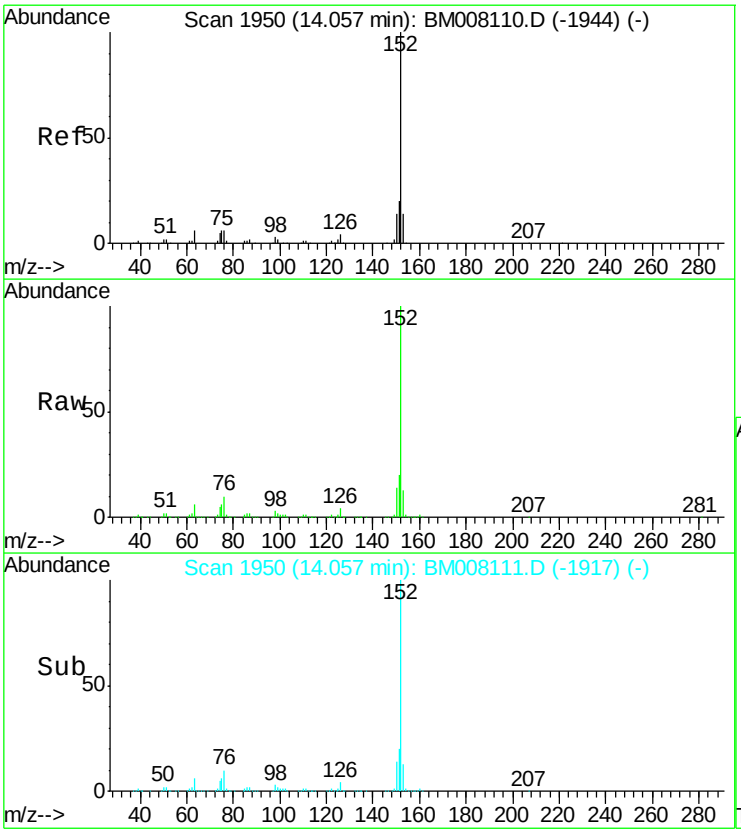
#45
2,6-Dinitrotoluene
Concen: 50.93 ng/ul
RT: 13.93 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:165 Resp: 212803

Ion	Ratio	Lower	Upper
165	100		
89	63.2	50.6	76.0
121	20.8	18.2	27.2

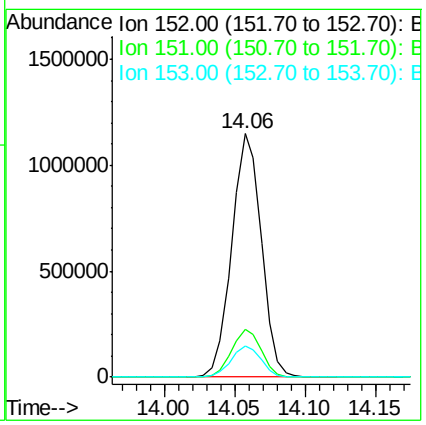


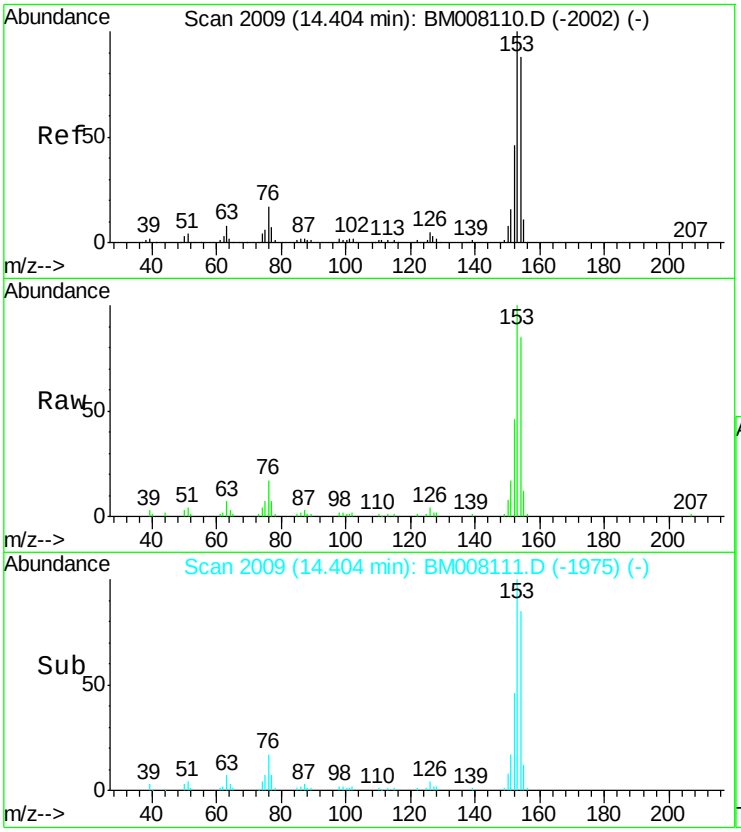


#47
Acenaphthylene
Concen: 62.67 ng/ul
RT: 14.06 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:152 Resp: 1670413

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.0	10.4	15.6



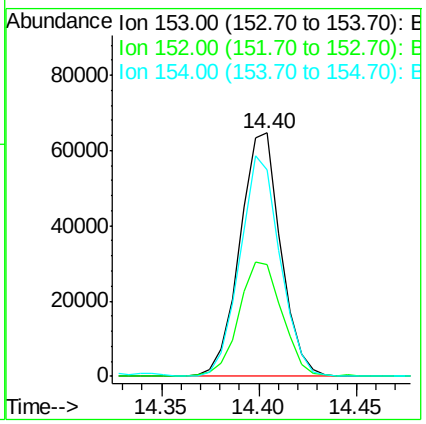


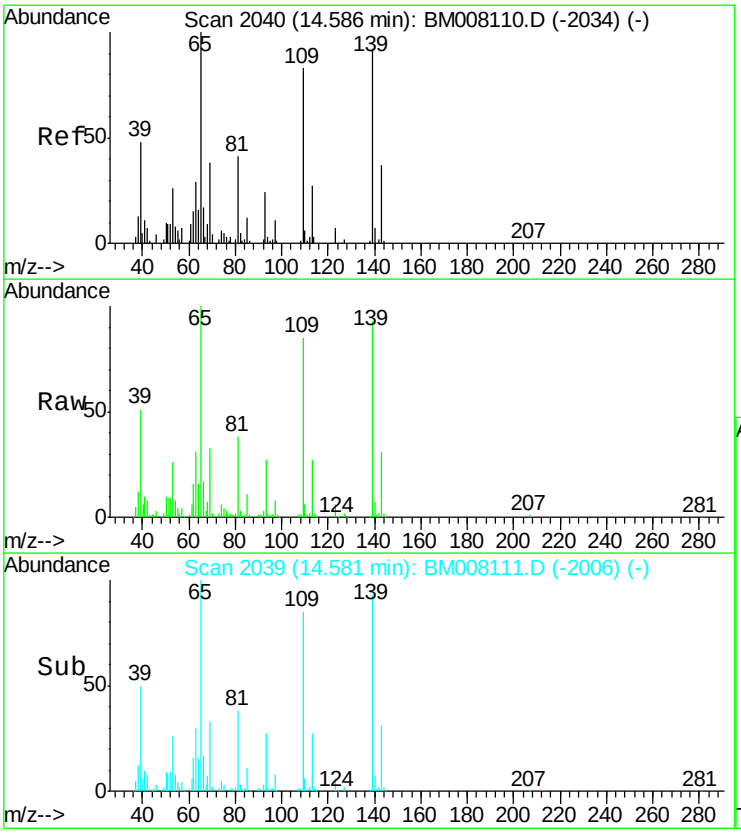
#49
Acenaphthene
Concen: 5.17 ng/ul
RT: 14.40 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:153 Resp: 94133

Ion	Ratio	Lower	Upper
153	100		
152	46.0	36.4	54.6
154	84.6	68.7	103.1

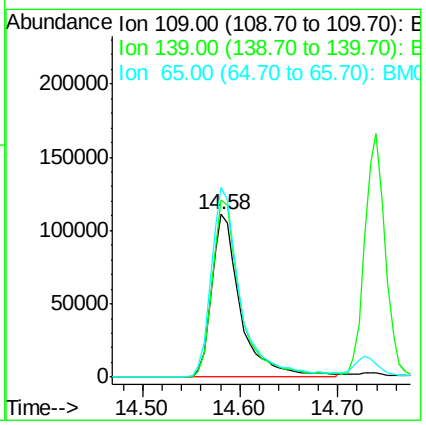


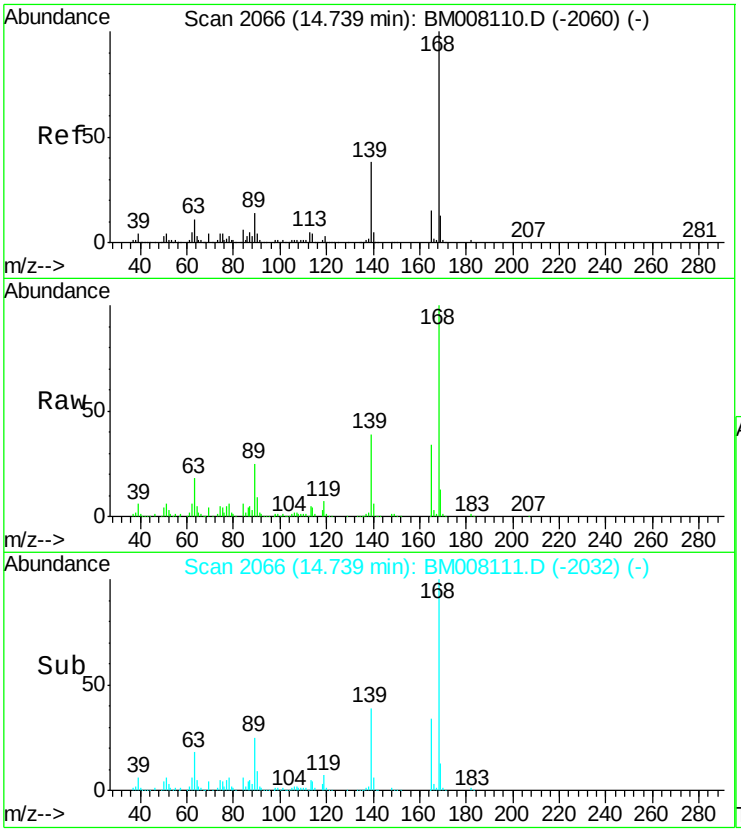


#52
4-Nitrophenol
Concen: 72.50 ng/ul
RT: 14.58 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:109 Resp: 226337

Ion	Ratio	Lower	Upper
109	100		
139	108.9	85.4	128.2
65	117.2	97.7	146.5



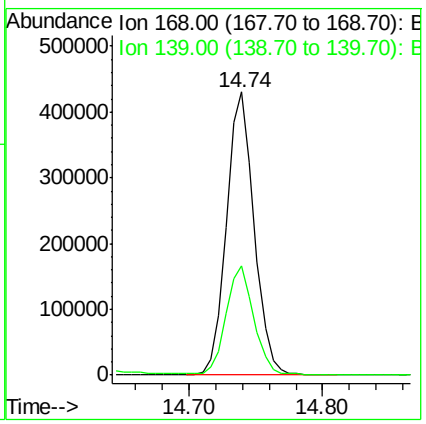


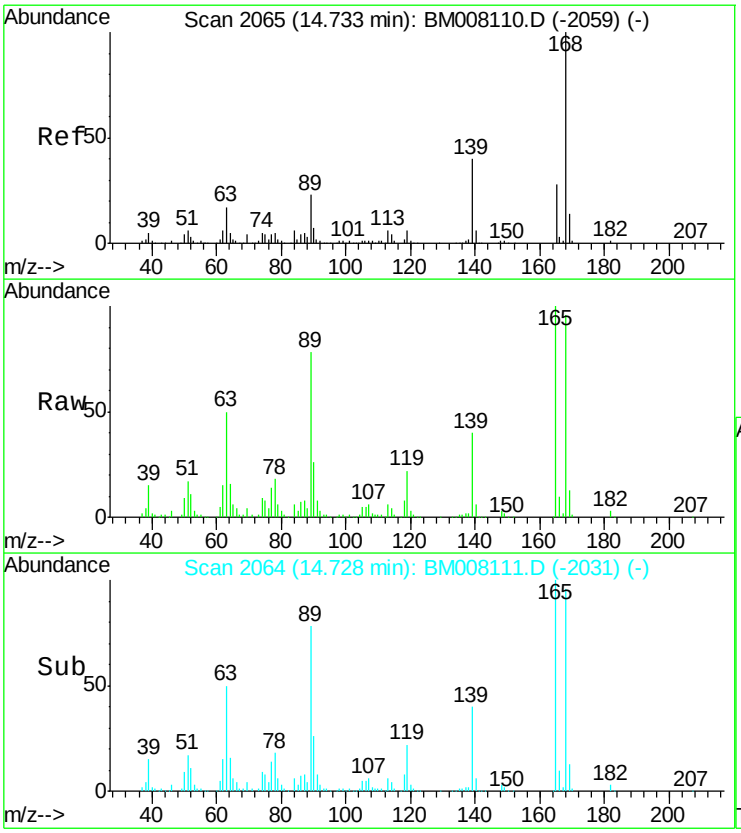
#53
Dibenzofuran
Concen: 24.04 ng/ul
RT: 14.74 min Scan# 2066
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:168 Resp: 622634

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5

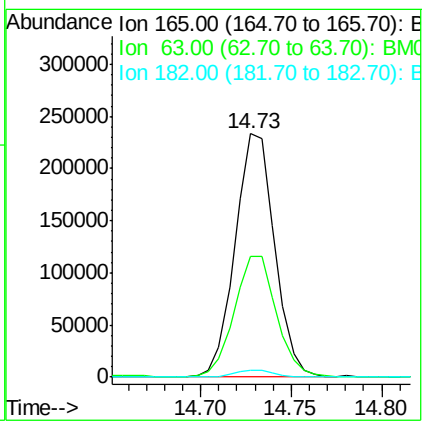


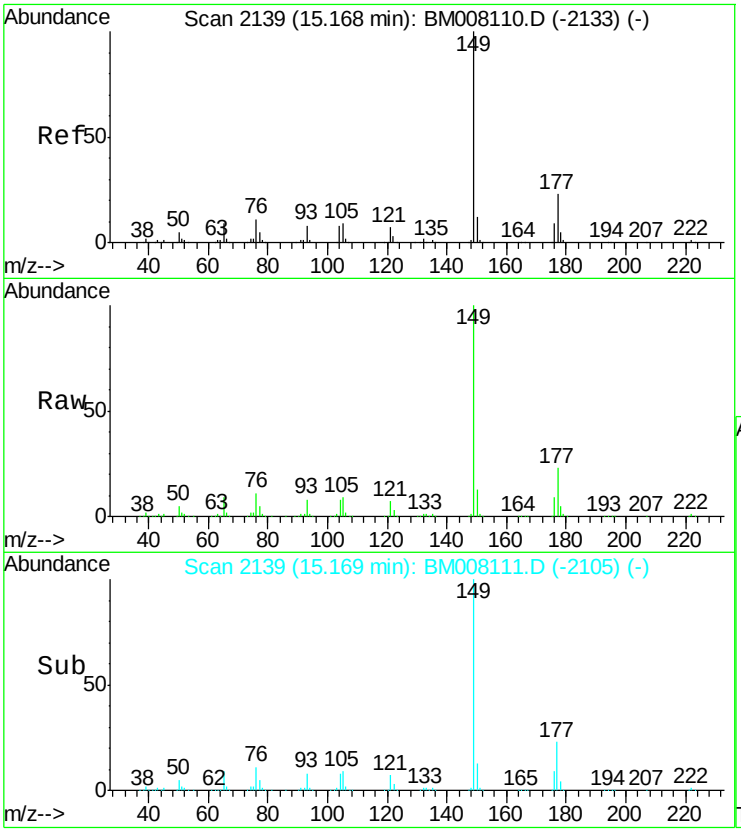


#54
2,4-Dinitrotoluene
Concen: 59.48 ng/ul
RT: 14.73 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:165 Resp: 354225

Ion	Ratio	Lower	Upper
165	100		
63	49.8	50.6	76.0#
182	2.6	2.7	4.1#



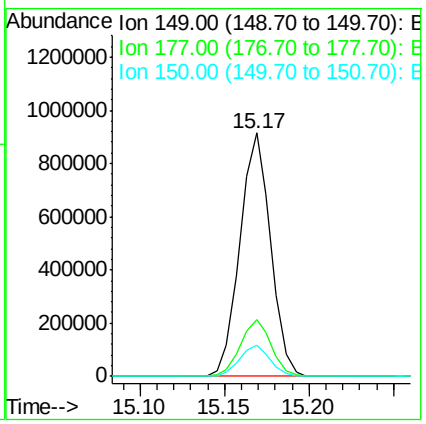


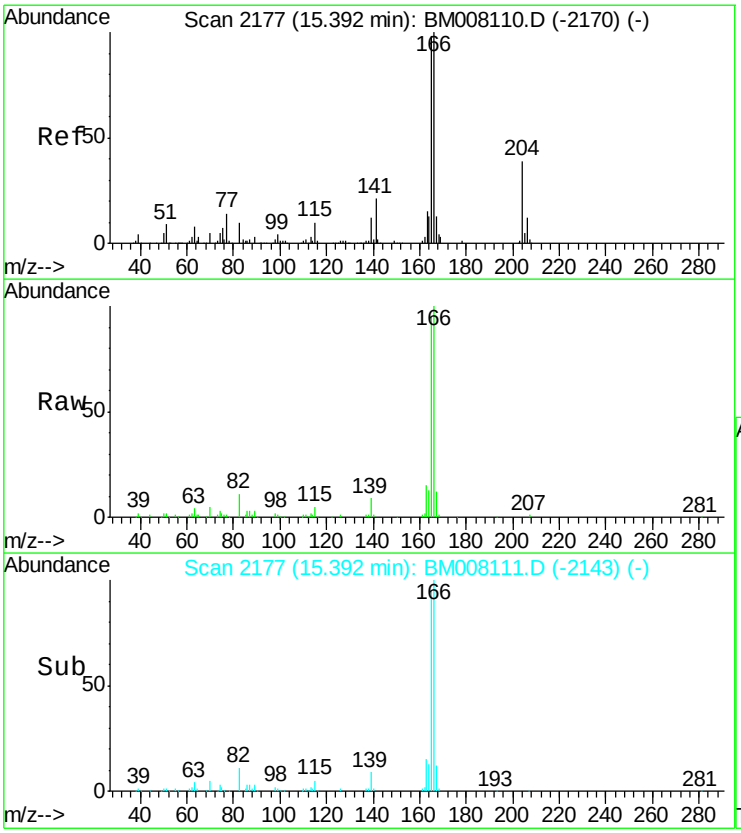
#56
Diethylphthalate
Concen: 51.40 ng/ul
RT: 15.17 min Scan# 2139
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:149 Resp: 1160156

Ion	Ratio	Lower	Upper
149	100		
177	23.4	19.7	29.5
150	12.9	10.0	15.0

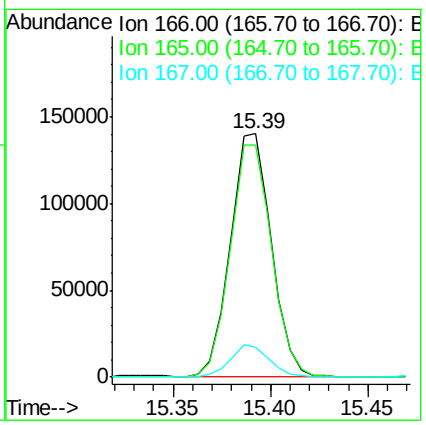


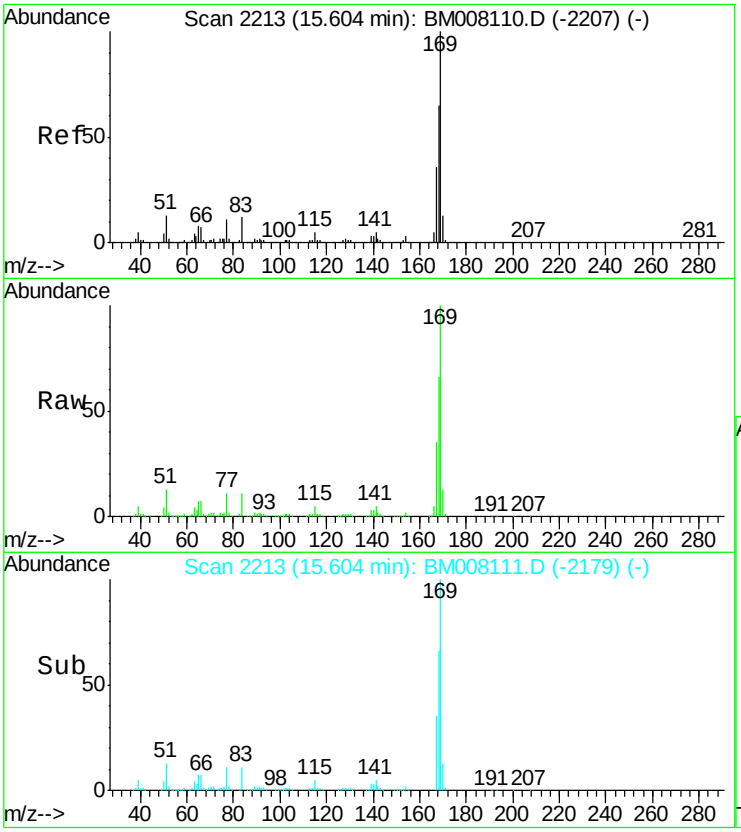


#58
Fluorene
Concen: 9.67 ng/ul
RT: 15.39 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:166 Resp: 203399

Ion	Ratio	Lower	Upper
166	100		
165	95.5	80.2	120.2
167	12.2	10.9	16.3



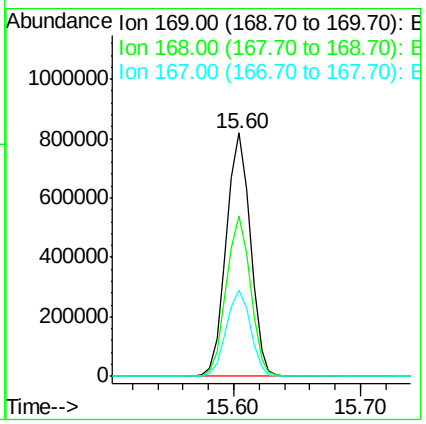


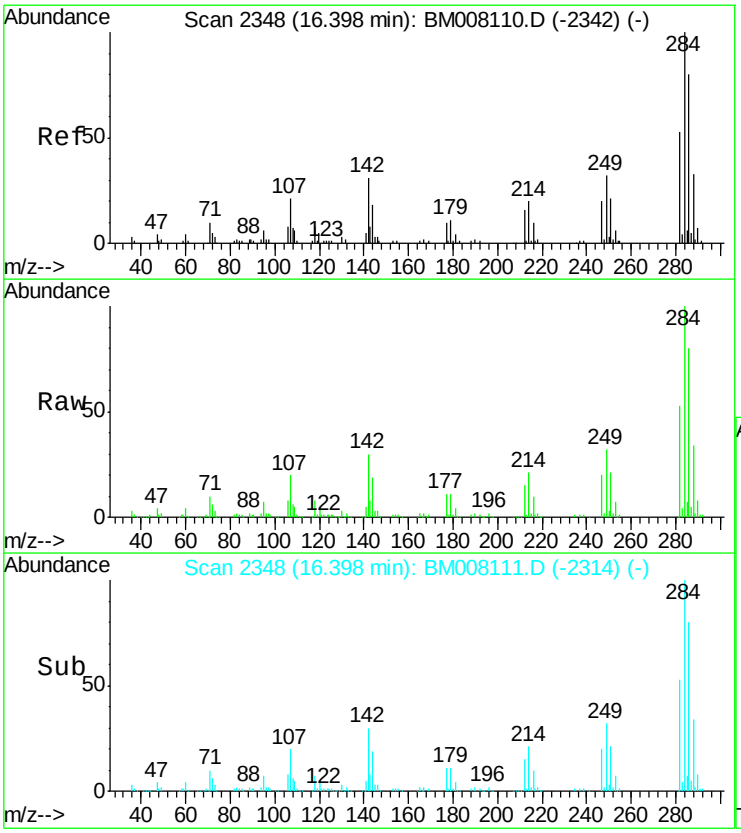
#64
N-Nitrosodiphenylamine
Concen: 62.80 ng/ul
RT: 15.60 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:169 Resp: 1082046

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.1	79.7
167	35.4	28.6	43.0

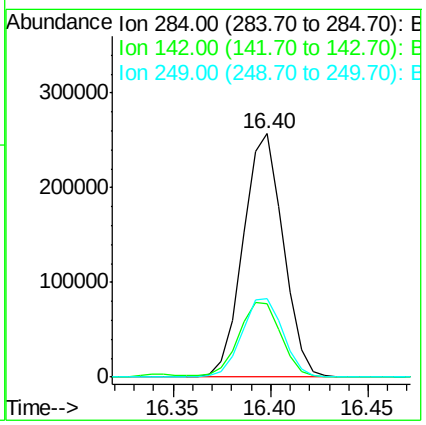


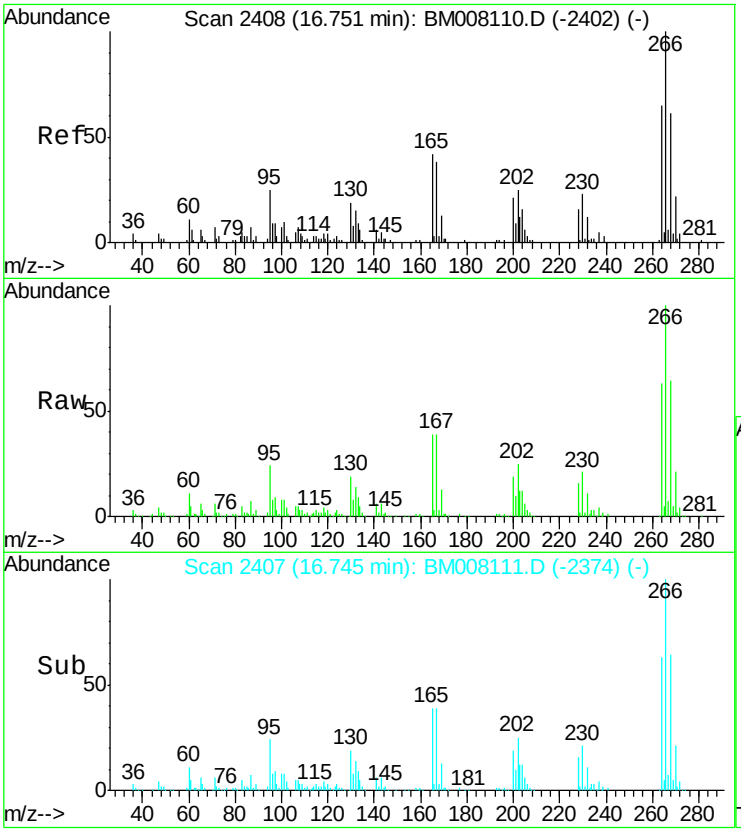


#66
Hexachlorobenzene
Concen: 48.37 ng/ul
RT: 16.40 min Scan# 2348
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:284 Resp: 366229

Ion	Ratio	Lower	Upper
284	100		
142	30.3	26.2	39.2
249	32.5	24.6	36.8



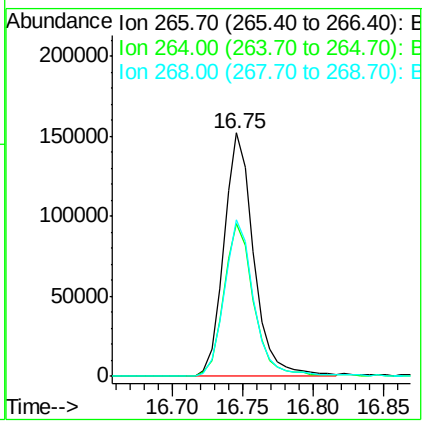


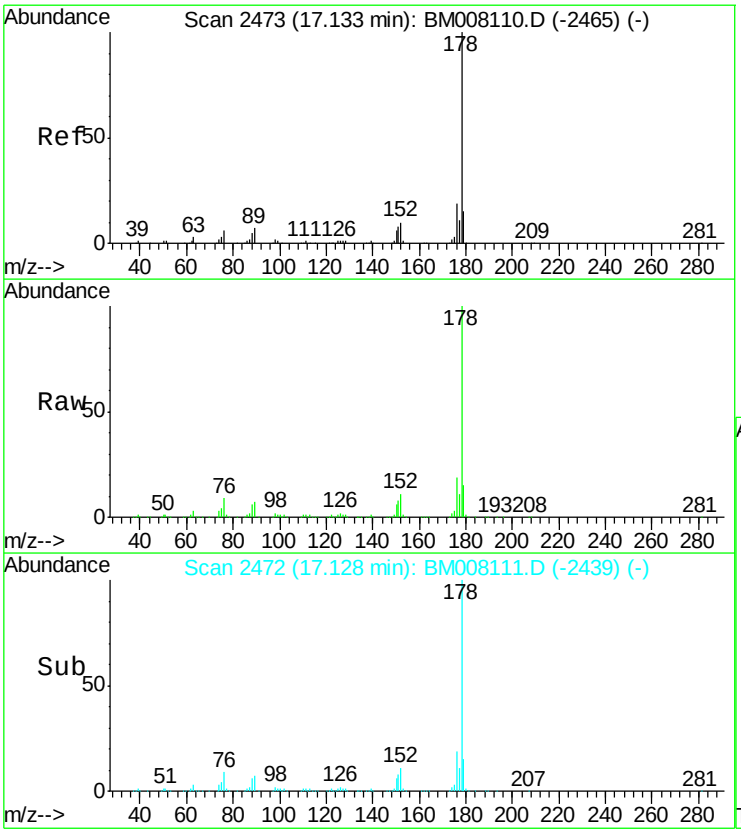
#68
Pentachlorophenol
Concen: 51.10 ng/ul
RT: 16.75 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:266 Resp: 223901

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.6	75.8
268	64.1	49.1	73.7

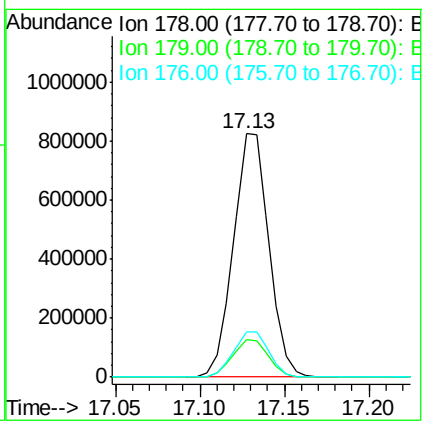


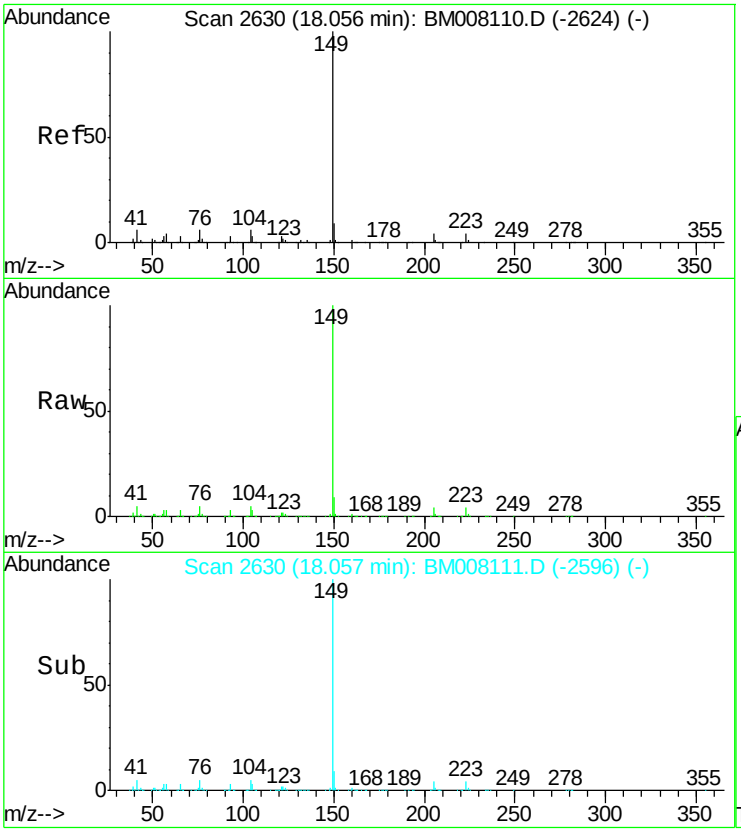


#69
Phenanthrene
Concen: 39.07 ng/ul
RT: 17.13 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:178 Resp: 1205961

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.6	14.7	22.1



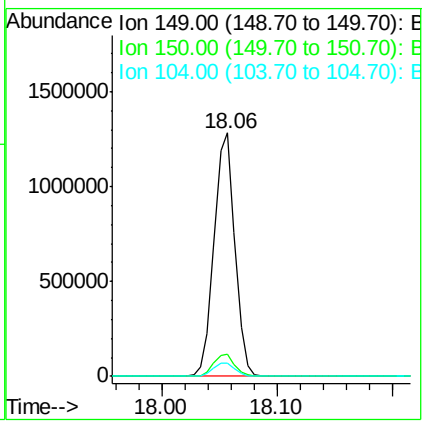


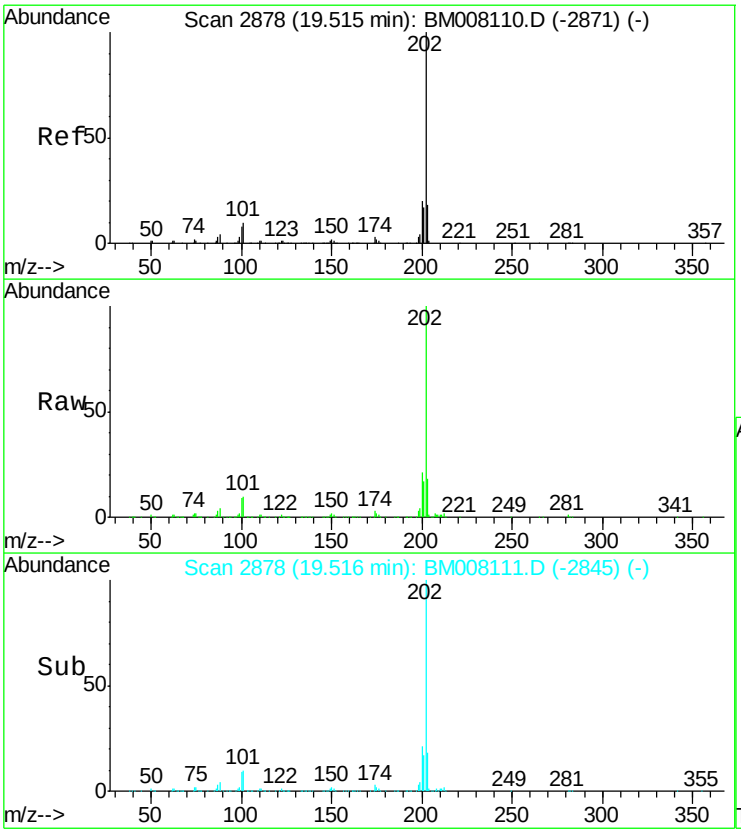
#73
Di-n-butylphthalate
Concen: 49.29 ng/ul
RT: 18.06 min Scan# 2630
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:149 Resp: 1598507

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.4	4.5	6.7

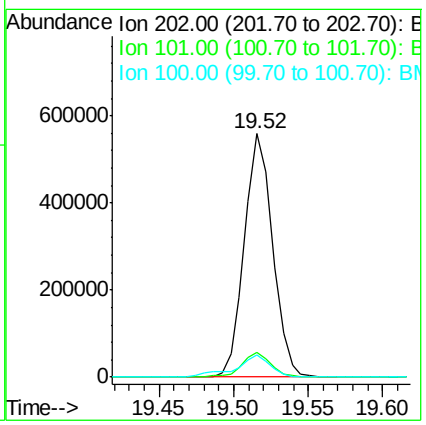


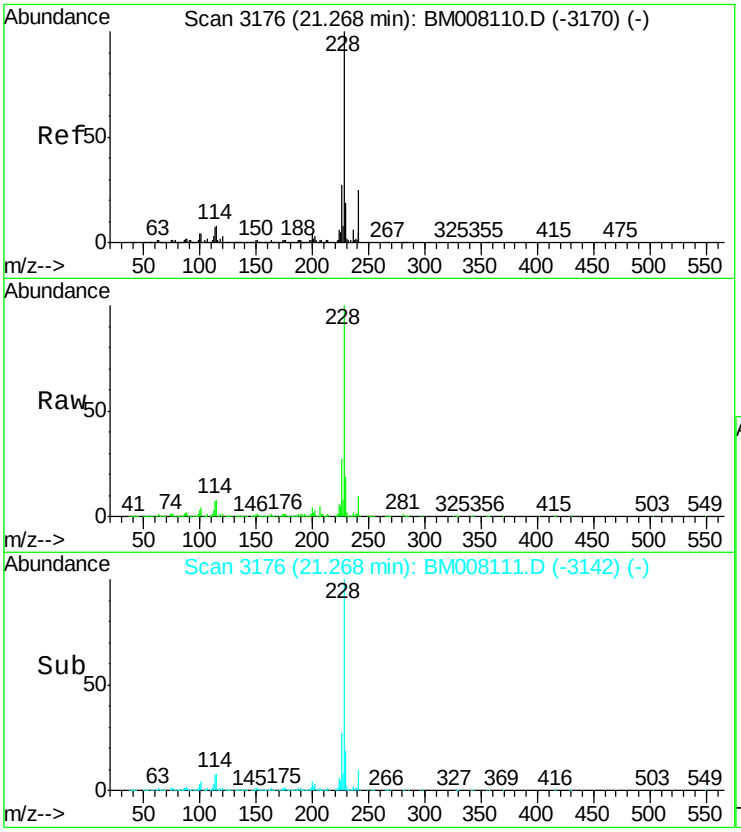


#77
Pyrene
Concen: 19.50 ng/ul
RT: 19.52 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:202 Resp: 732529

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.6	12.8
100	9.4	6.5	9.7



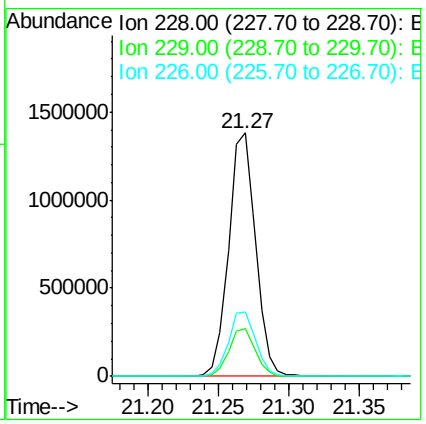


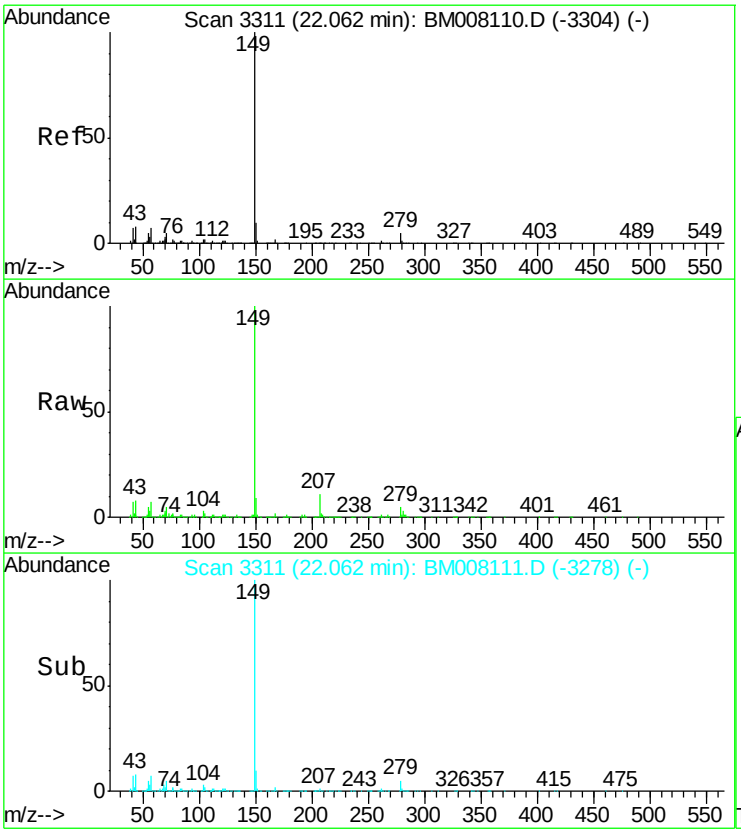
#80
Benzo(a)anthracene
Concen: 48.76 ng/ul
RT: 21.27 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:228 Resp: 1837272

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.8	23.6
226	26.6	21.3	31.9

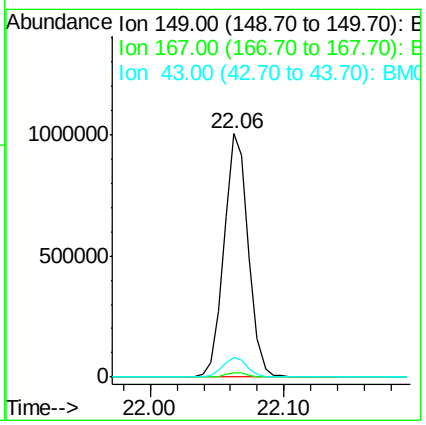


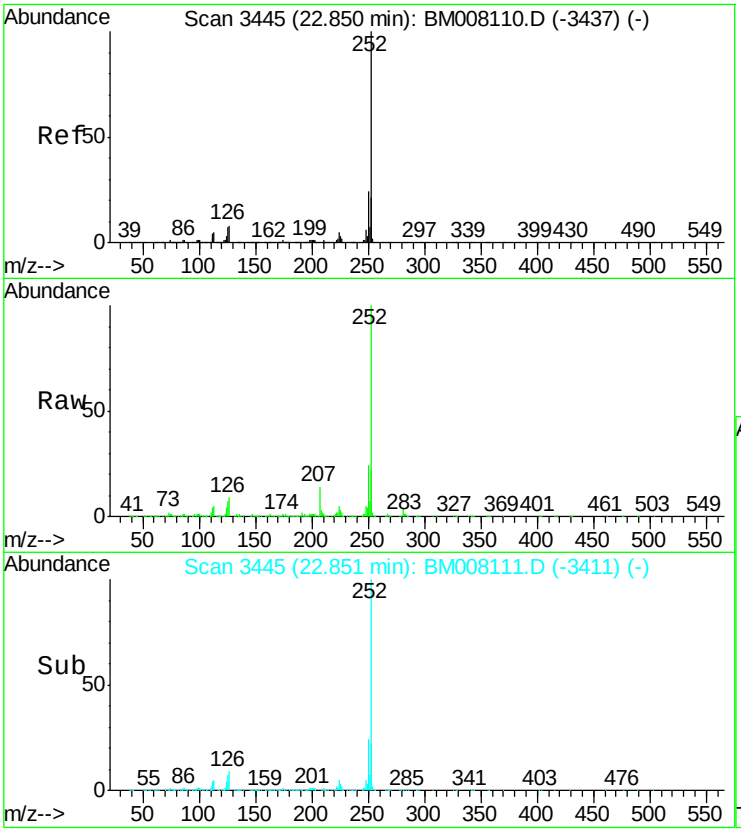


#84
Di-n-octyl phthalate
Concen: 33.84 ng/ul
RT: 22.06 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:149 Resp: 1271241

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



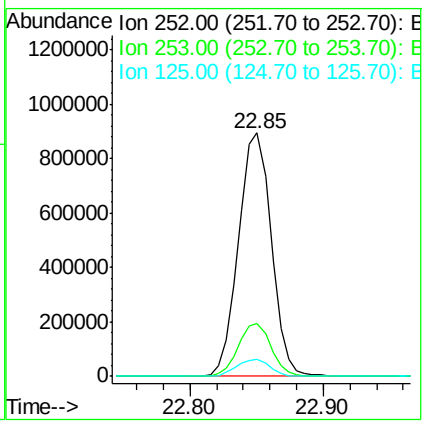


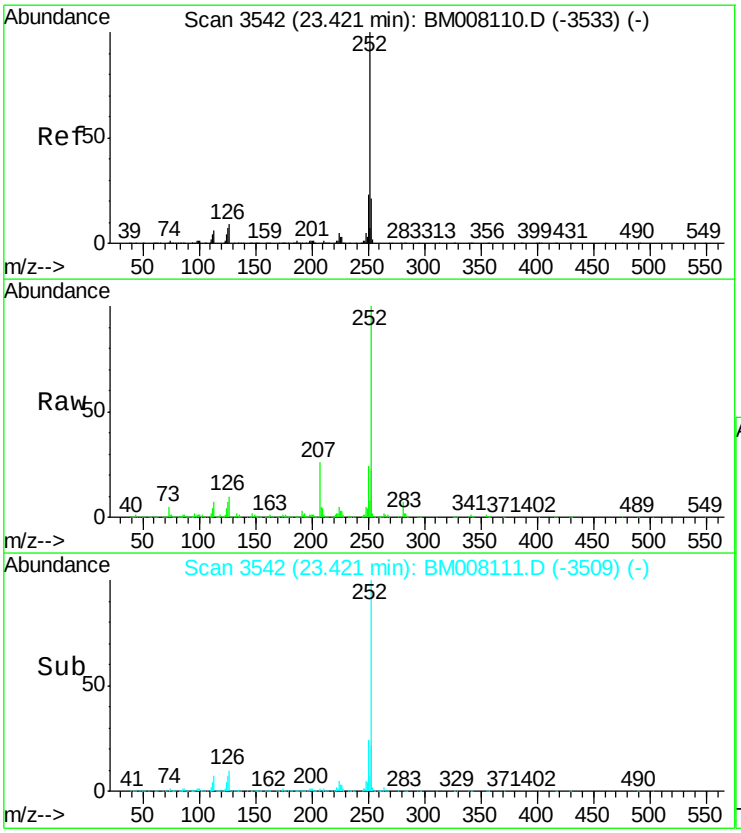
#85
Benzo(b)fluoranthene
Concen: 38.82 ng/ul
RT: 22.85 min Scan# 3445
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:252 Resp: 1516884

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	6.9	5.6	8.4

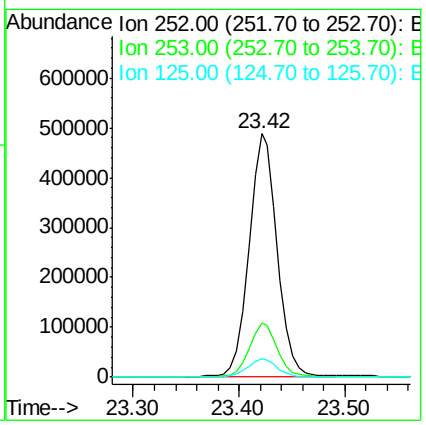


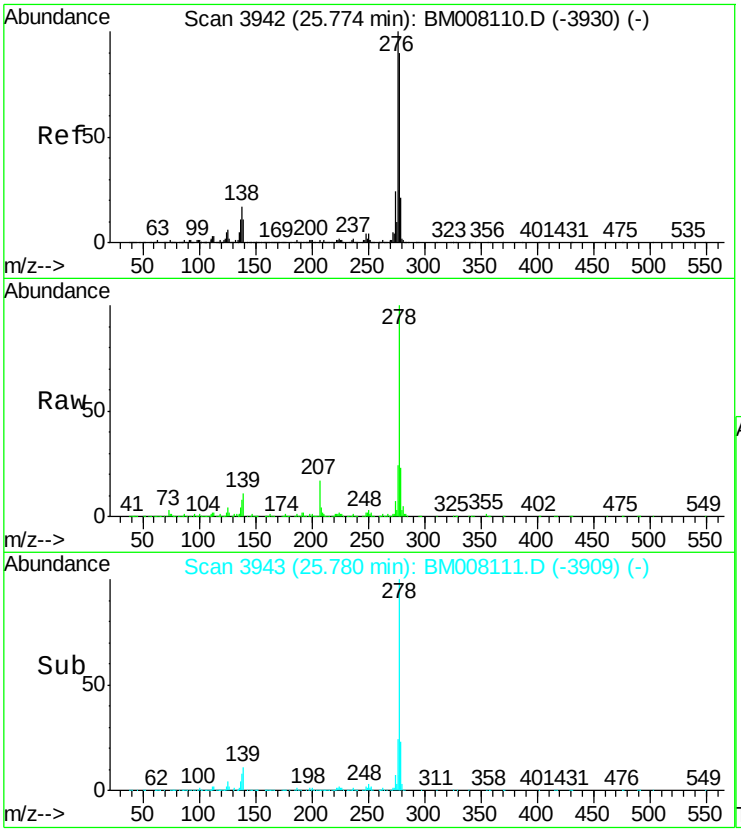


#88
Benzo(a)pyrene
Concen: 23.92 ng/ul
RT: 23.42 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:252 Resp: 898085

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	7.4	6.2	9.2



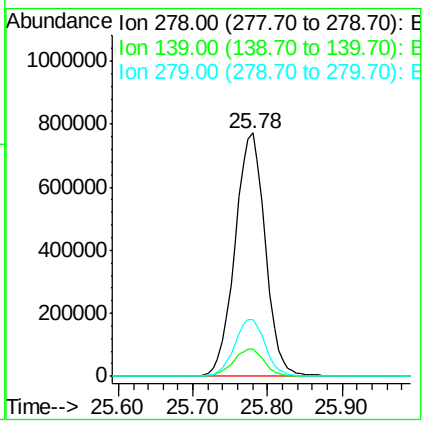


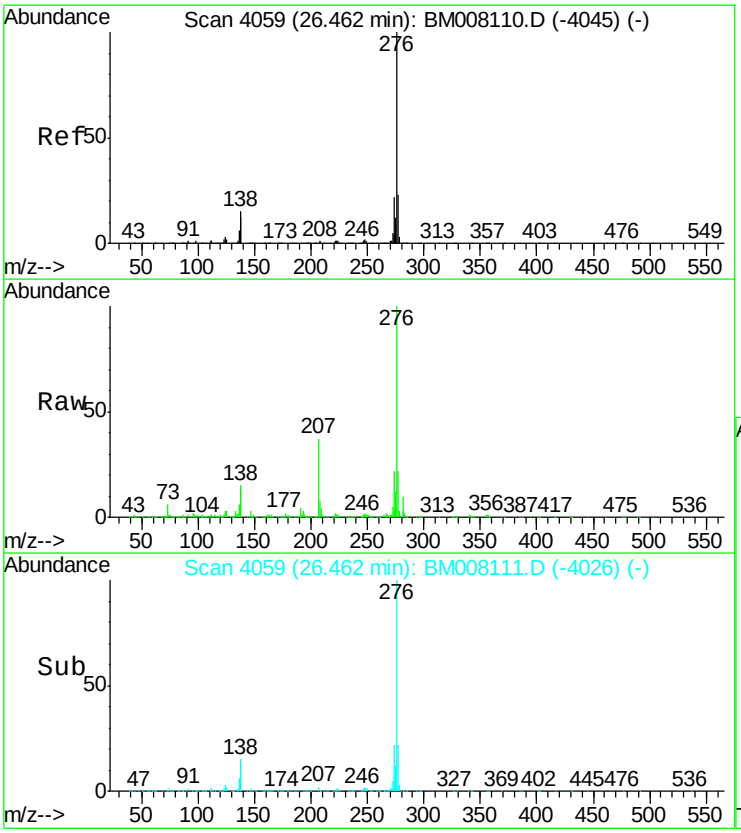
#90
Dibenzo(a,h)anthracene
Concen: 56.40 ng/ul
RT: 25.78 min Scan# 3943
Delta R.T. 0.00 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Instrument :
BNA_M
ClientSampleId :
A4WB3

Tgt Ion:278 Resp: 2178092

Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.3	13.9
279	23.4	18.9	28.3





#91
Benzo(g,h,i)perylene
Concen: 29.56 ng/ul
RT: 26.46 min Scan# 4059
Delta R.T. -0.01 min
Lab File: BM008111.D
Acq: 30 Nov 2016 10:24

Tgt Ion:276 Resp: 1125604

Ion	Ratio	Lower	Upper
276	100		
138	15.0	11.7	17.5
277	22.5	18.2	27.2