Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122115\
Data File : BM003682.D
Acq On : 21 Dec 2015 17:46
Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Time: Dec 22 11:21:16 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 02:16:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	42854	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	183741	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	97710	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	207591	20.00	ng/ul	0.00
78) Chrysene-d12	21.31	240	200764	20.00	ng/ul	0.01
86) Perylene-d12	23.56	264	193460	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	5858	7.36	ng/uL	0.00
5) Phenol-d5	6.86	99	114983	31.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	65251	33.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	101767	34.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	95165	30.42	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	48497	36.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	54587	36.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	94682	34.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	9546	2.62	ng/ul	0.00
44) Dimethylphthalate-d6	13.76	166	280654	34.75	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	339555	36.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.57	143	50947	32.39	ng/ul	0.00
58) Fluorene-d10	15.34	176	229056	34.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	40451	34.57	ng/ul	0.00
71) Anthracene-d10	17.20	188	346586	36.69	ng/ul	0.00
79) Pyrene-d10	19.50	212	362654	41.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.41	264	354890	36.93	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	6.83	77	5190	2.49	ng/ul	98
10) 2-Chlorophenol	7.26	128	119781	39.10	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.22	45	157509	55.53	ng/ul	99
14) Acetophenone	8.51	105	175245	35.86	ng/ul	99
17) Hexachloroethane	8.76	117	23583	20.24	ng/ul	99
20) Nitrobenzene	8.89	77	191003	62.04	ng/ul	100
23) 2-Nitrophenol	9.60	139	84505	50.80	ng/ul	99
27) 2,4-Dichlorophenol	10.13	162	69684	24.50	ng/ul	99
28) Naphthalene	10.53	128	154902	16.36	ng/ul	99
33) 4-Chloro-3-methylphenol	11.79	107	147258	44.12	ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.53	216	64098	21.68	ng/ul	99
39) 2,4,6-Trichlorophenol	12.77	196	67671	33.87	ng/ul	99
41) 1,1'-Biphenyl	13.18	154	328401	41.38	ng/ul	99
43) 2-Nitroaniline	13.43	65	46146	27.97	ng/ul	100
46) 2,6-Dinitrotoluene	13.93	165	68864	42.78	ng/ul	95
48) Acenaphthylene	14.07	152	520949	51.82	ng/ul	100
53) 4-Nitrophenol	14.59	109	77185	57.98	ng/ul	96
54) Dibenzofuran	14.75	168	195009	20.35	ng/ul	100
55) 2,4-Dinitrotoluene	14.73	165	117000	47.86	ng/ul	99
57) Diethylphthalate	15.18	149	386246	44.19	ng/ul	99
59) Fluorene	15.40	166	65659	8.54	ng/ul	100
65) N-Nitrosodiphenylamine	15.62	169	315740	51.96	ng/ul	99
67) Hexachlorobenzene	16.41	284	96861	42.13	ng/ul	99

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Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Time: Dec 22 11:21:16 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 02:16:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	16.76	266	56520	43.58	ng/ul	99
70) Phenanthrene	17.14	178	376996	32.83	ng/ul	99
76) Di-n-butylphthalate	18.07	149	536346	38.57	ng/ul	100
80) Pyrene	19.53	202	222529	19.26	ng/ul	99
83) Benzo(a)anthracene	21.29	228	488931	40.40	ng/ul	100
87) Di-n-octyl phthalate	22.10	149	400676	29.98	ng/ul	100
88) Benzo(b)fluoranthene	22.88	252	385775	33.07	ng/ul	99
91) Benzo(a)pyrene	23.46	252	227353	20.38	ng/ul	100
93) Dibenzo(a,h)anthracene	25.83	278	513825	51.01	ng/ul	99
94) Benzo(g,h,i)perylene	26.52	276	269110	27.29	ng/ul	98

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

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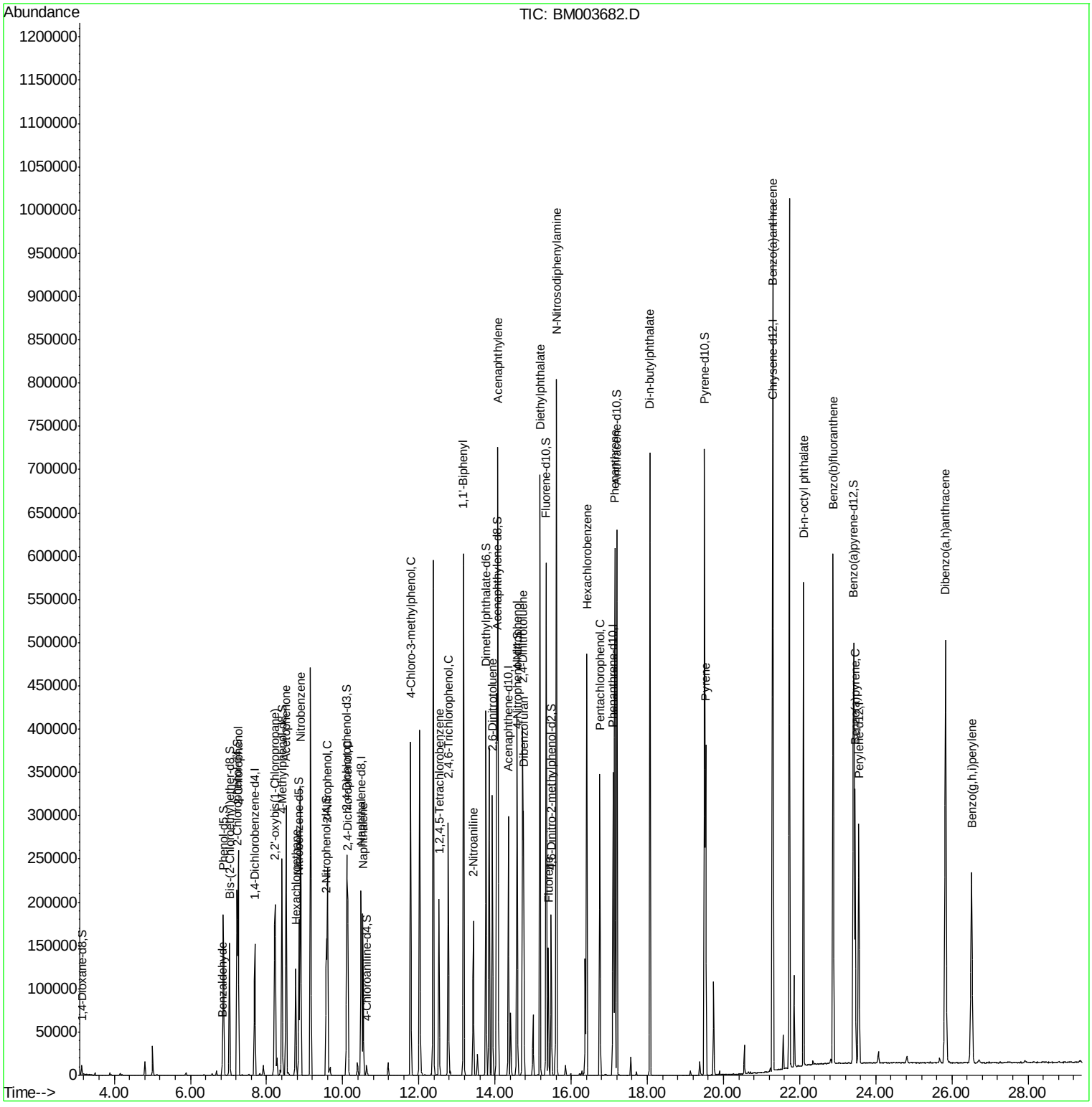
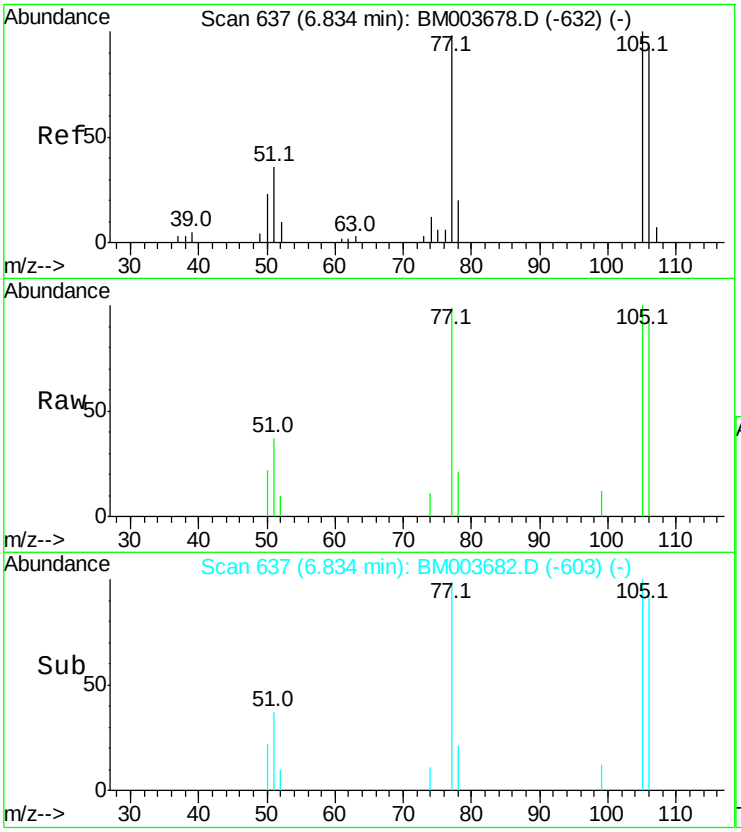


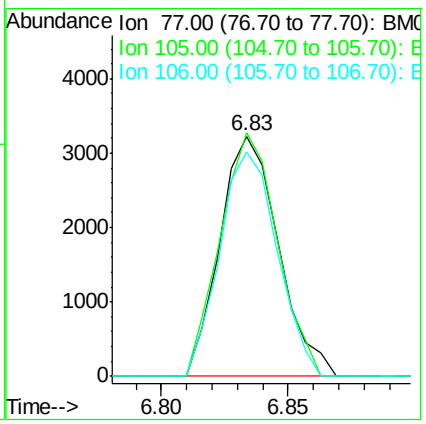


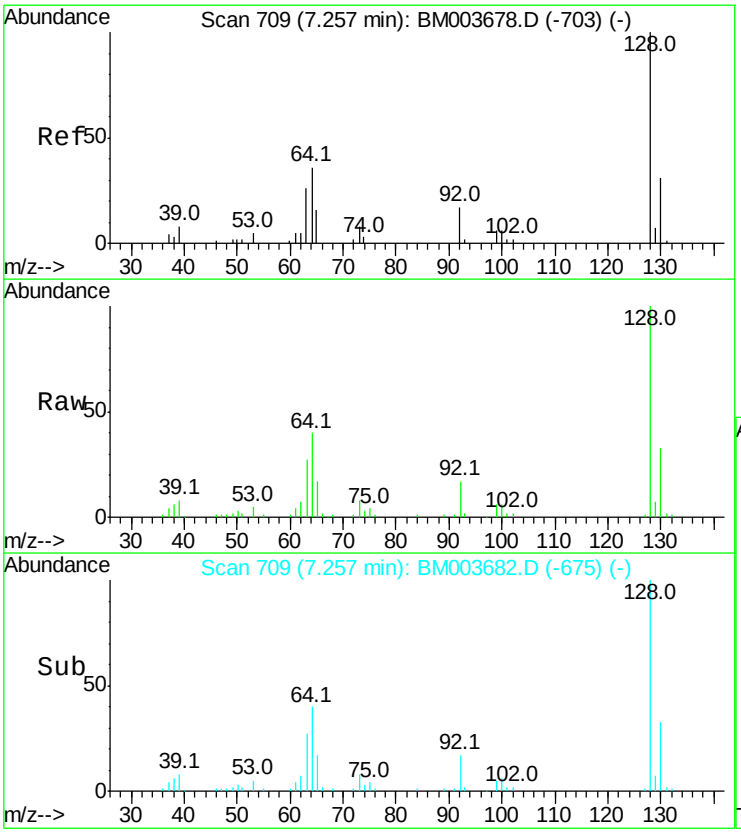
#4
Benzaldehyde
Concen: 2.49 ng/ul
RT: 6.83 min Scan# 637
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion: 77 Resp: 5190

Ion	Ratio	Lower	Upper
77	100		
105	101.5	80.6	120.8
106	93.7	77.7	116.5

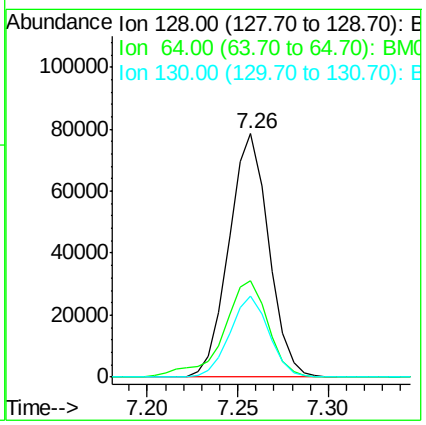


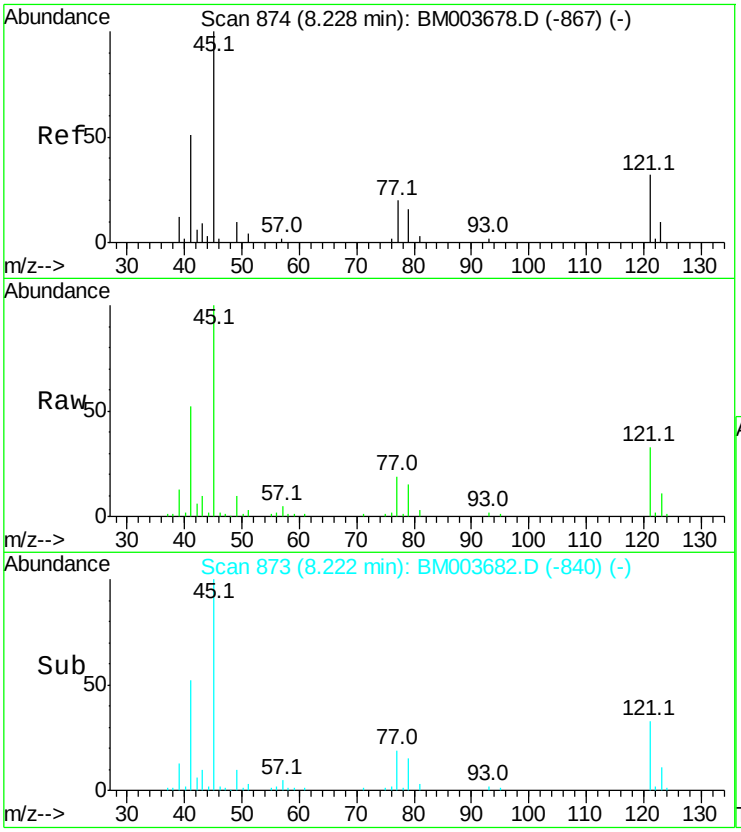


#10
2-Chlorophenol
Concen: 39.10 ng/ul
RT: 7.26 min Scan# 709
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:128 Resp: 119781

Ion	Ratio	Lower	Upper
128	100		
64	39.7	31.9	47.9
130	33.3	25.6	38.4



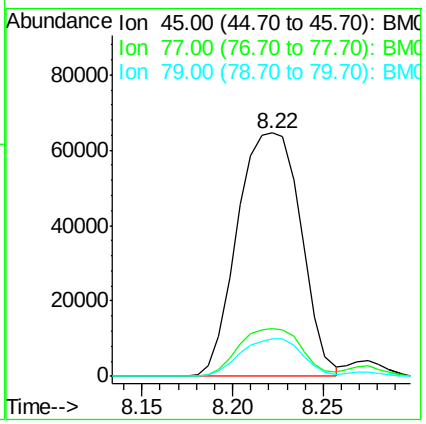


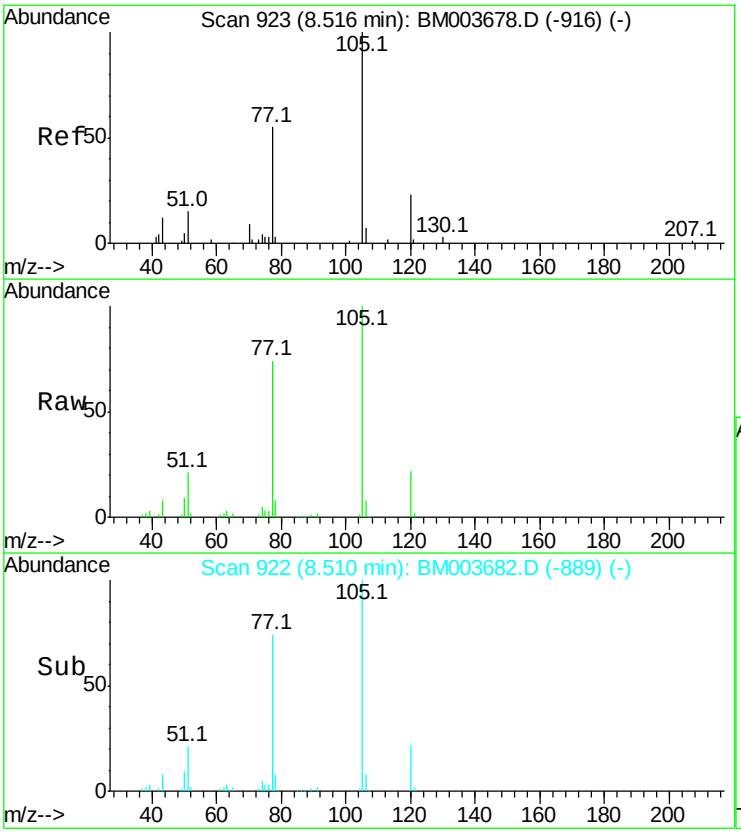
#12
2,2'-oxybis(1-Chloropropane)
Concen: 55.53 ng/ul
RT: 8.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion: 45 Resp: 157509

Ion	Ratio	Lower	Upper
45	100		
77	19.4	15.9	23.9
79	15.2	12.5	18.7

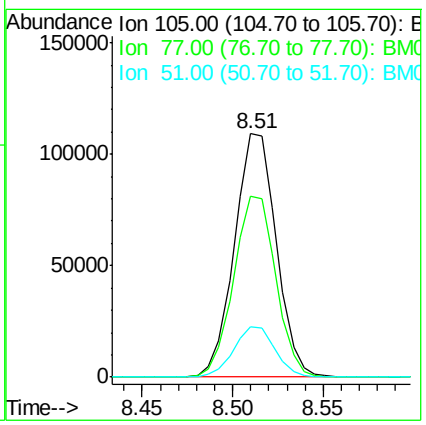


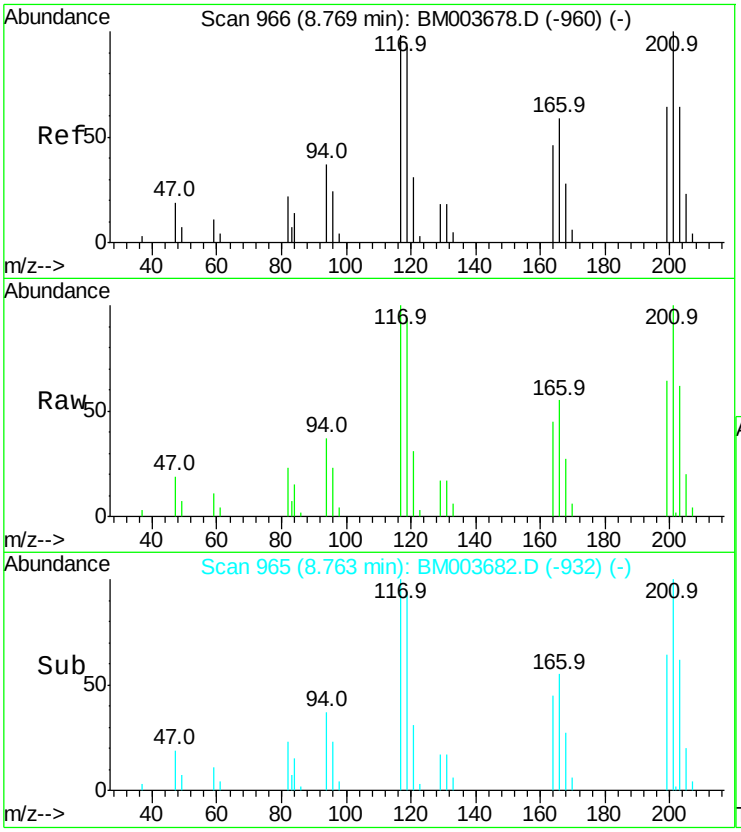


#14
Acetophenone
Concen: 35.86 ng/ul
RT: 8.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:105 Resp: 175245

Ion	Ratio	Lower	Upper
105	100		
77	74.5	59.0	88.4
51	20.7	16.4	24.6



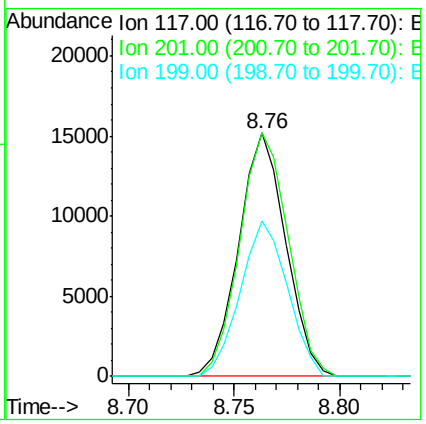


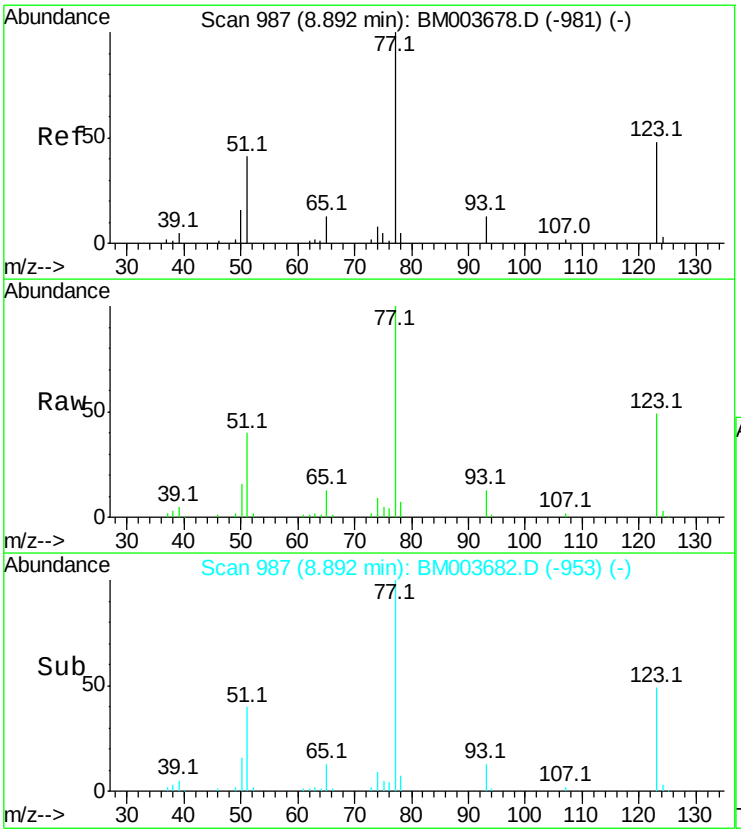
#17
Hexachloroethane
Concen: 20.24 ng/ul
RT: 8.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:117 Resp: 23583

Ion	Ratio	Lower	Upper
117	100		
201	100.0	81.5	122.3
199	63.6	50.6	76.0

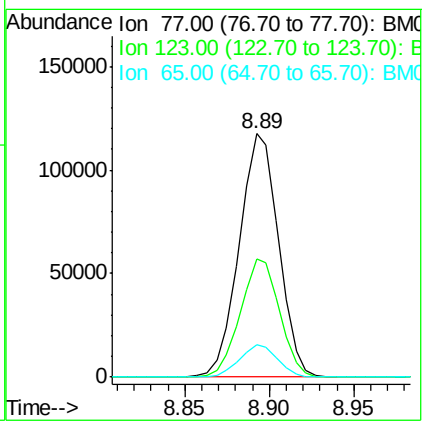


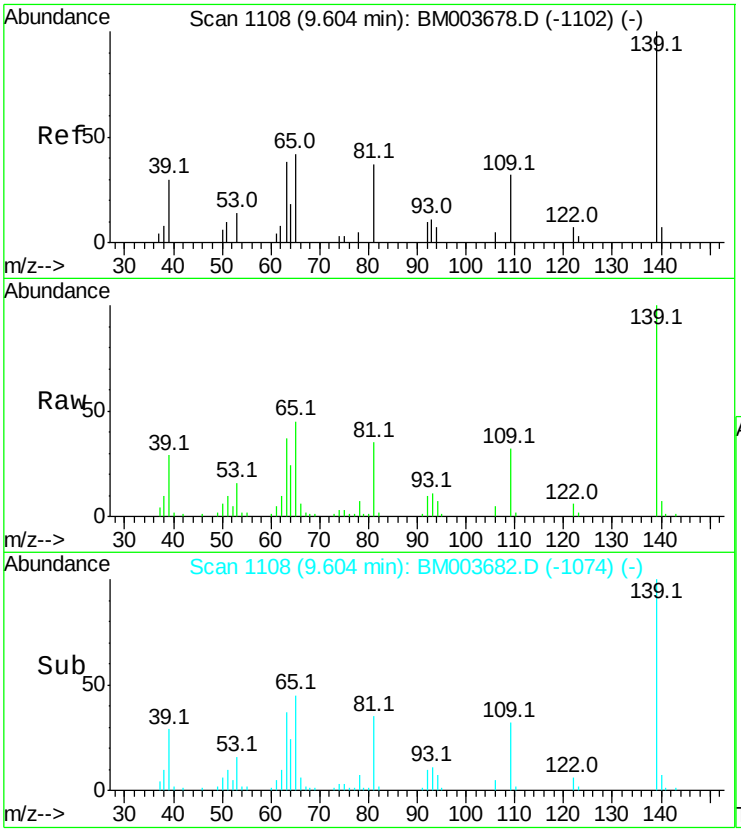


#20
Nitrobenzene
Concen: 62.04 ng/ul
RT: 8.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion: 77 Resp: 191003

Ion	Ratio	Lower	Upper
77	100		
123	48.6	39.0	58.4
65	13.2	10.4	15.6



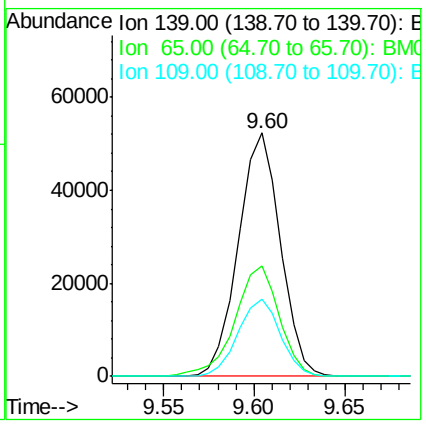


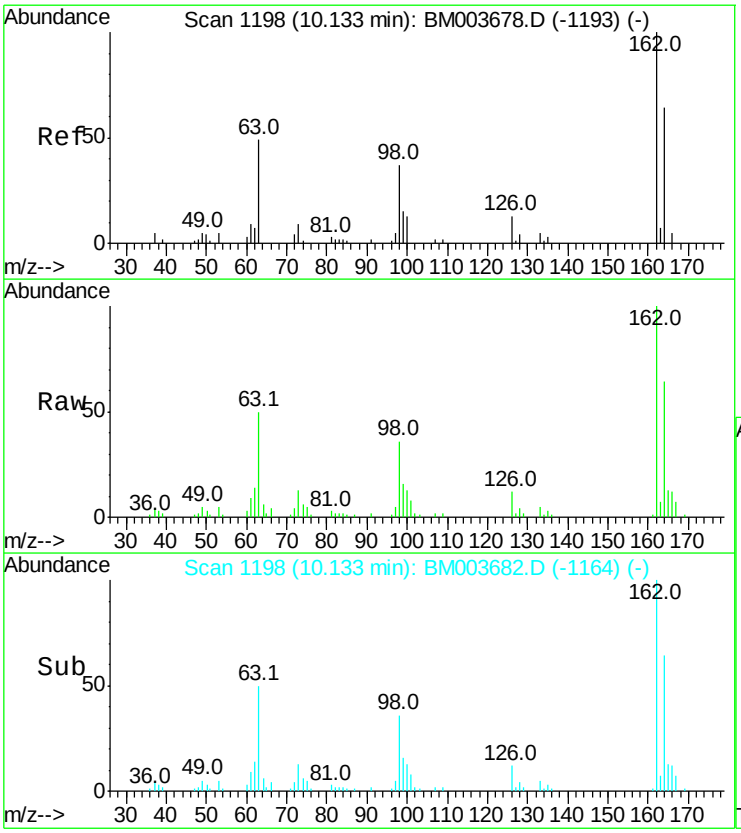
#23
2-Nitrophenol
Concen: 50.80 ng/ul
RT: 9.60 min Scan# 1108
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:139 Resp: 84505

Ion	Ratio	Lower	Upper
139	100		
65	45.2	36.3	54.5
109	31.7	26.4	39.6

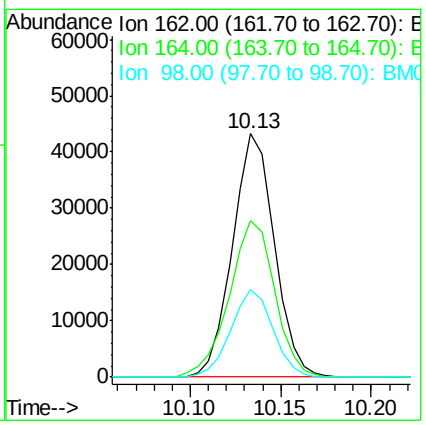


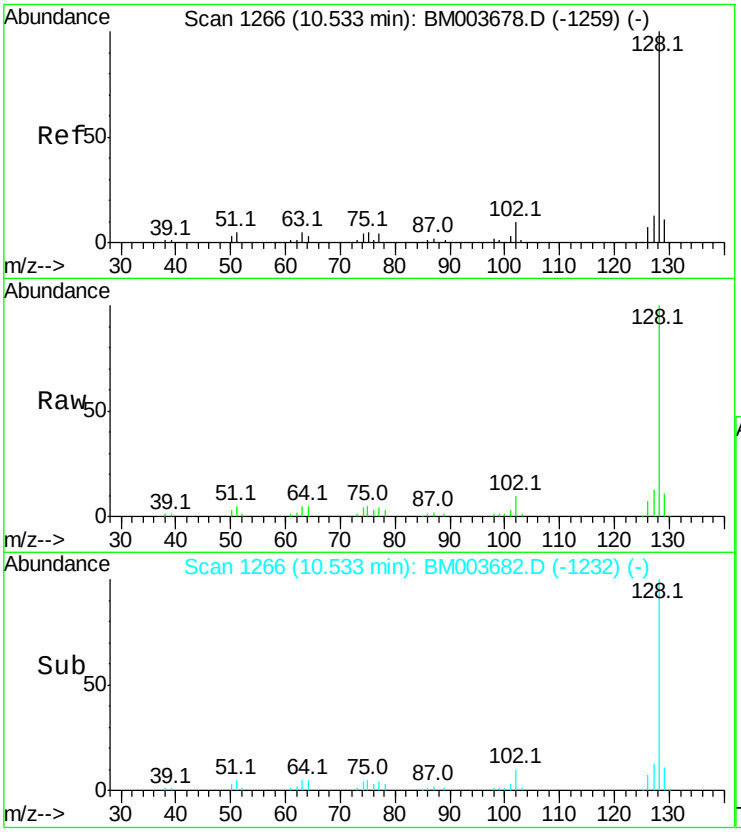


#27
2,4-Dichlorophenol
Concen: 24.50 ng/ul
RT: 10.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:162 Resp: 69684

Ion	Ratio	Lower	Upper
162	100		
164	64.5	52.1	78.1
98	36.1	28.4	42.6



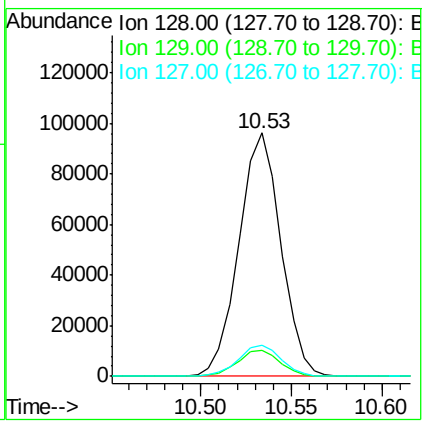


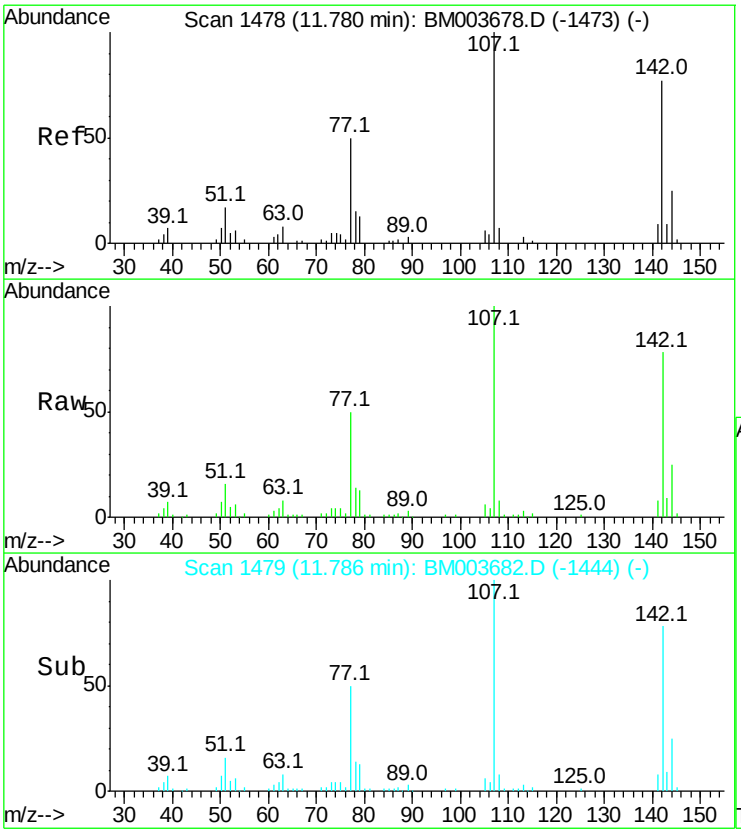
#28
Naphthalene
Concen: 16.36 ng/ul
RT: 10.53 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:128 Resp: 154902

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.8	10.5	15.7

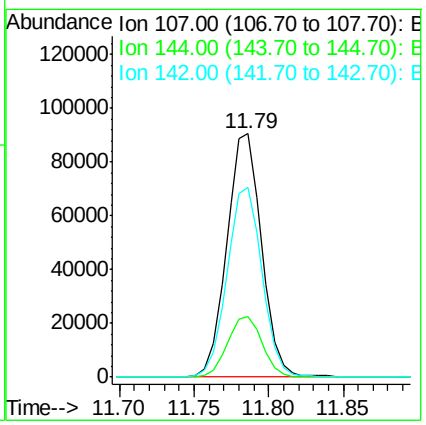


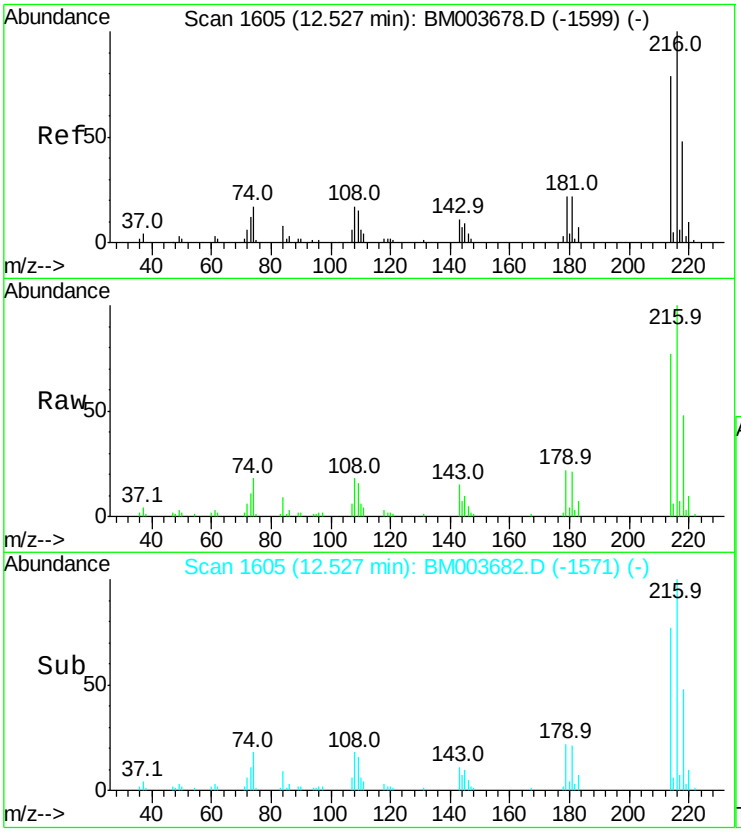


#33
4-Chloro-3-methylphenol
Concen: 44.12 ng/ul
RT: 11.79 min Scan# 1479
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:107 Resp: 147258

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.4	30.6
142	77.7	62.5	93.7



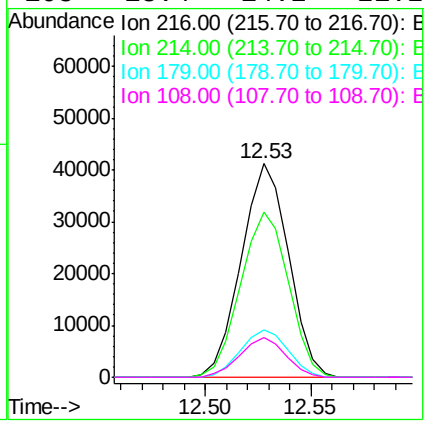


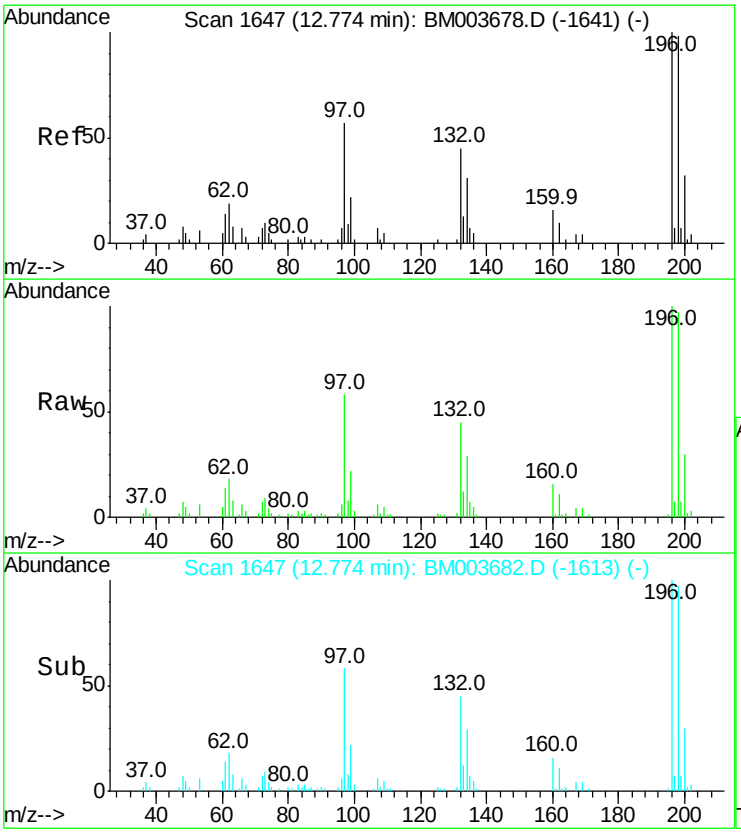
#37
1,2,4,5-Tetrachlorobenzene
Concen: 21.68 ng/ul
RT: 12.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:216 Resp: 64098

Ion	Ratio	Lower	Upper
216	100		
214	77.1	62.5	93.7
179	22.5	18.2	27.2
108	18.4	14.2	21.2

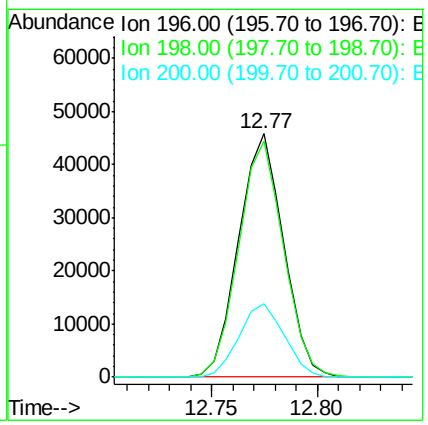


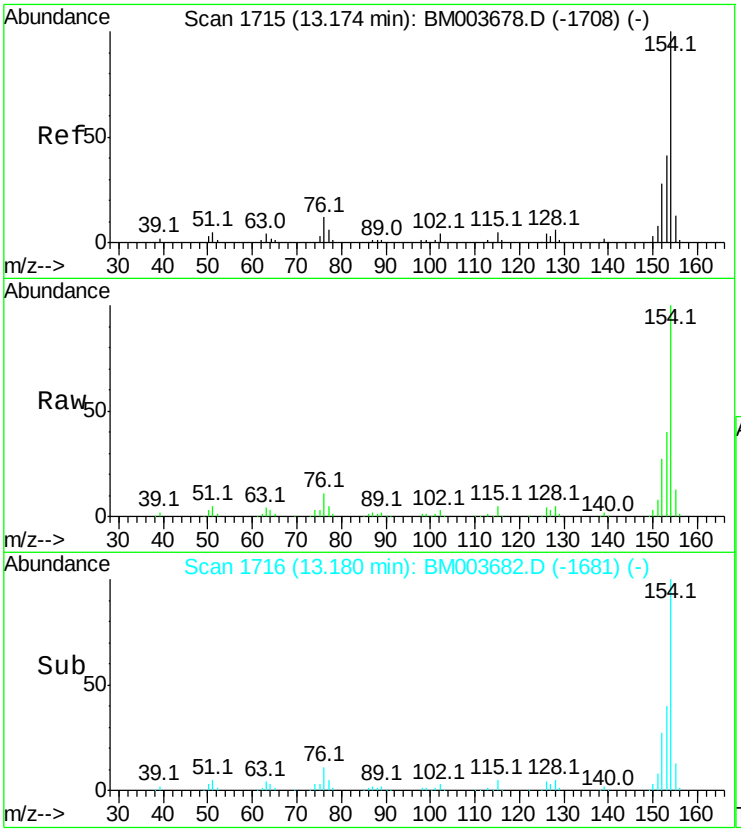


#39
2,4,6-Trichlorophenol
Concen: 33.87 ng/ul
RT: 12.77 min Scan# 1647
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:196 Resp: 67671

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.6	114.8
200	30.0	24.7	37.1



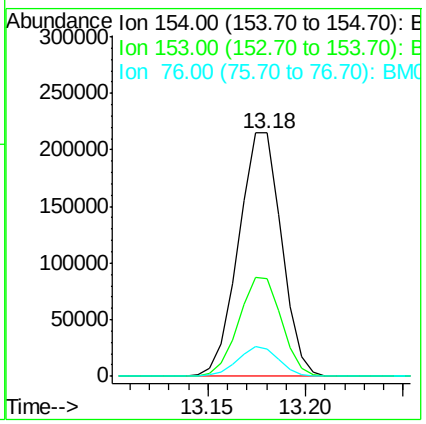


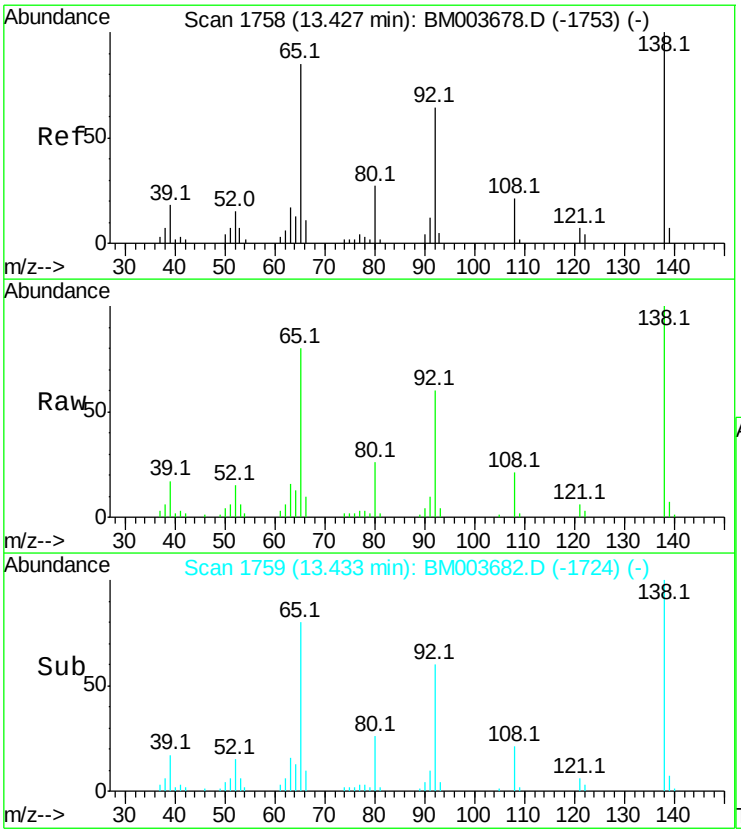
#41
1,1'-Biphenyl
Concen: 41.38 ng/ul
RT: 13.18 min Scan# 1716
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:154 Resp: 328401

Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.1	48.1
76	11.4	9.5	14.3

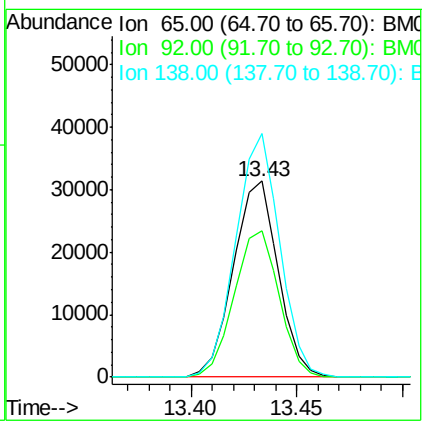


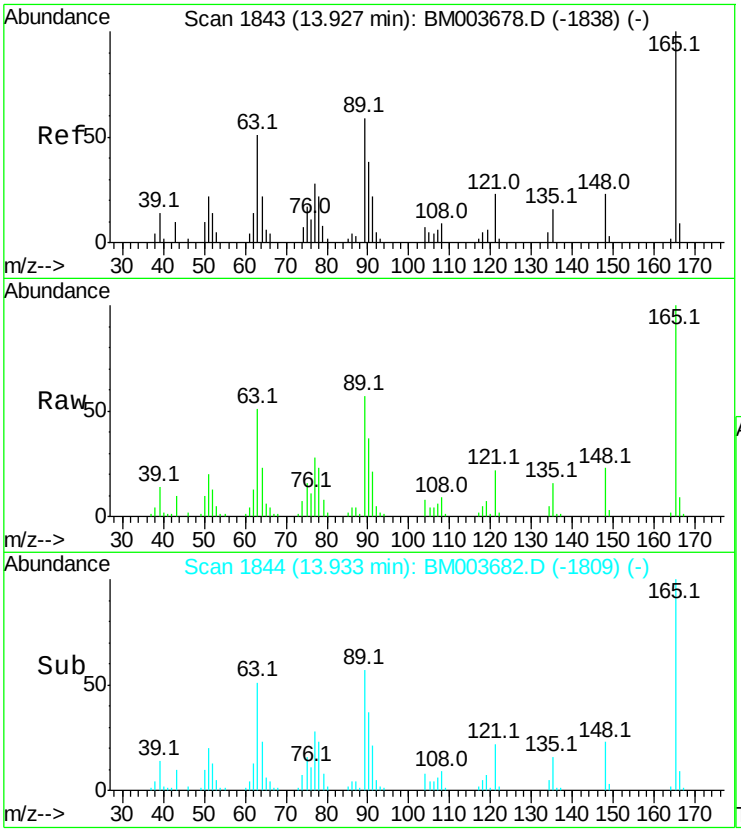


#43
2-Nitroaniline
Concen: 27.97 ng/ul
RT: 13.43 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion: 65 Resp: 46146

Ion	Ratio	Lower	Upper
65	100		
92	74.8	60.4	90.6
138	124.4	99.8	149.6



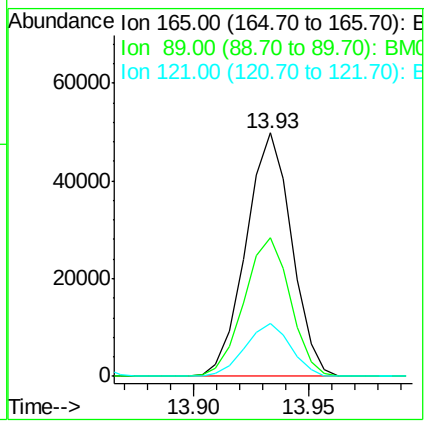


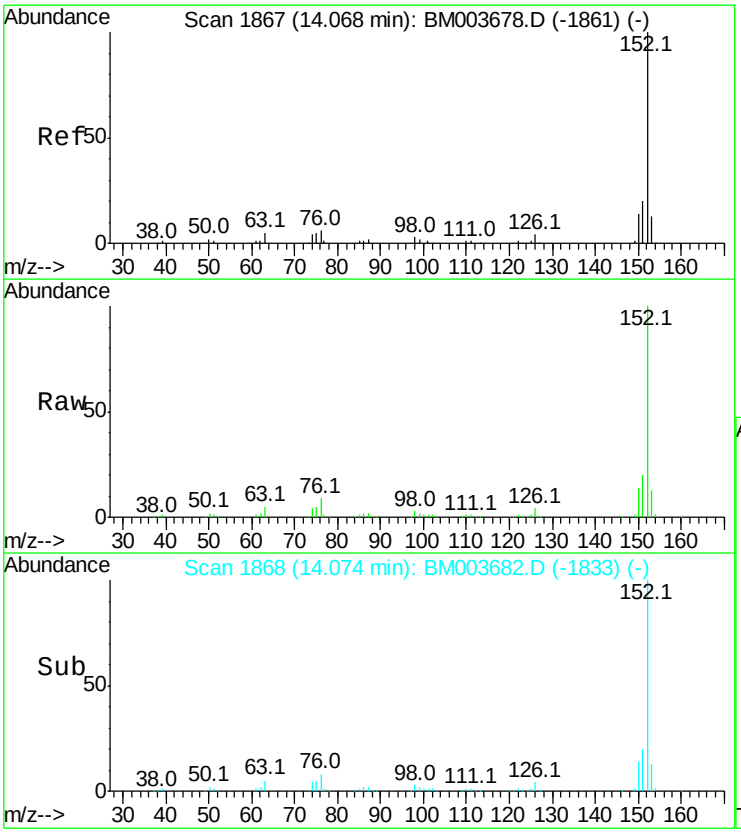
#46
2,6-Dinitrotoluene
Concen: 42.78 ng/ul
RT: 13.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:165 Resp: 68864

Ion	Ratio	Lower	Upper
165	100		
89	57.0	42.4	63.6
121	21.9	16.6	24.8

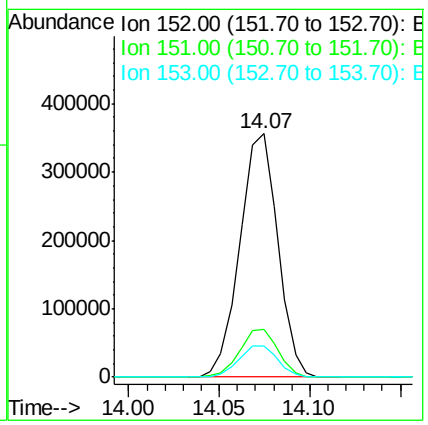


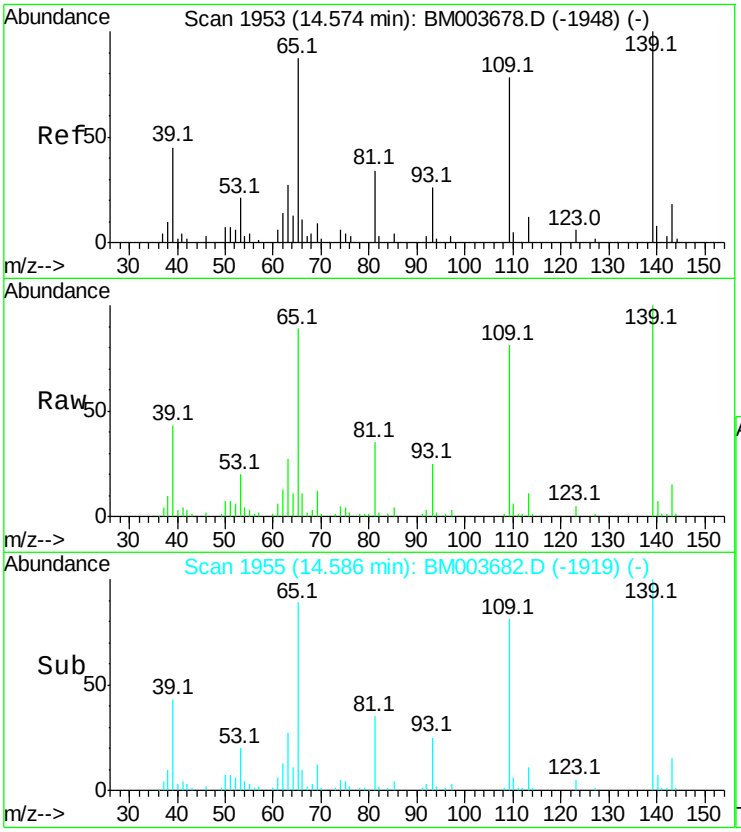


#48
Acenaphthylene
Concen: 51.82 ng/ul
RT: 14.07 min Scan# 1868
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:152 Resp: 520949

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.8	10.5	15.7



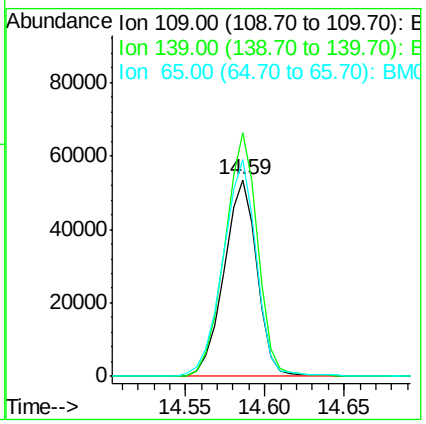


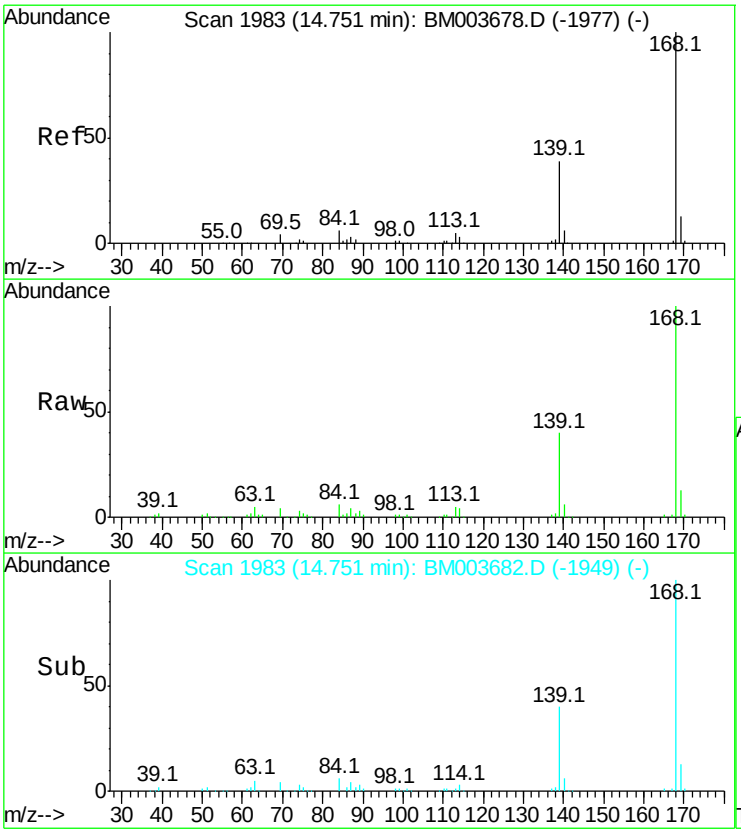
#53
4-Nitrophenol
Concen: 57.98 ng/ul
RT: 14.59 min Scan# 1955
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:109 Resp: 77185

Ion	Ratio	Lower	Upper
109	100		
139	123.7	103.7	155.5
65	109.9	89.4	134.2

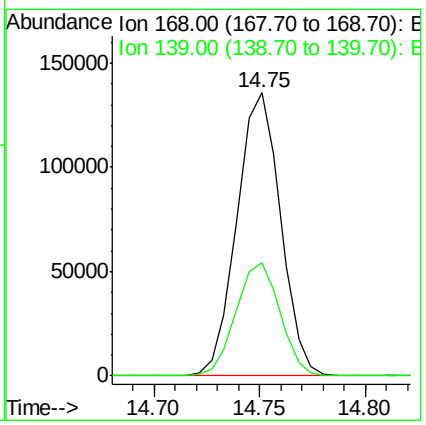


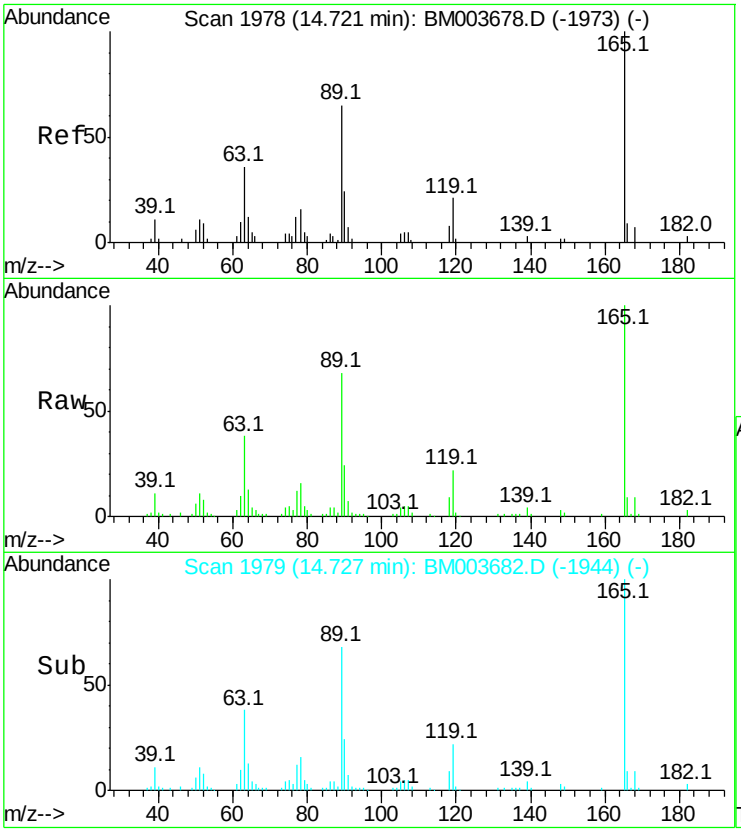


#54
Dibenzofuran
Concen: 20.35 ng/ul
RT: 14.75 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:168 Resp: 195009

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.2	48.2



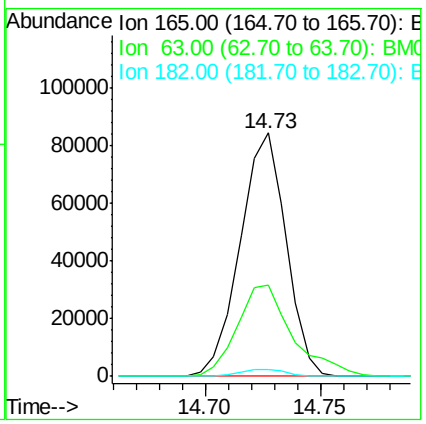


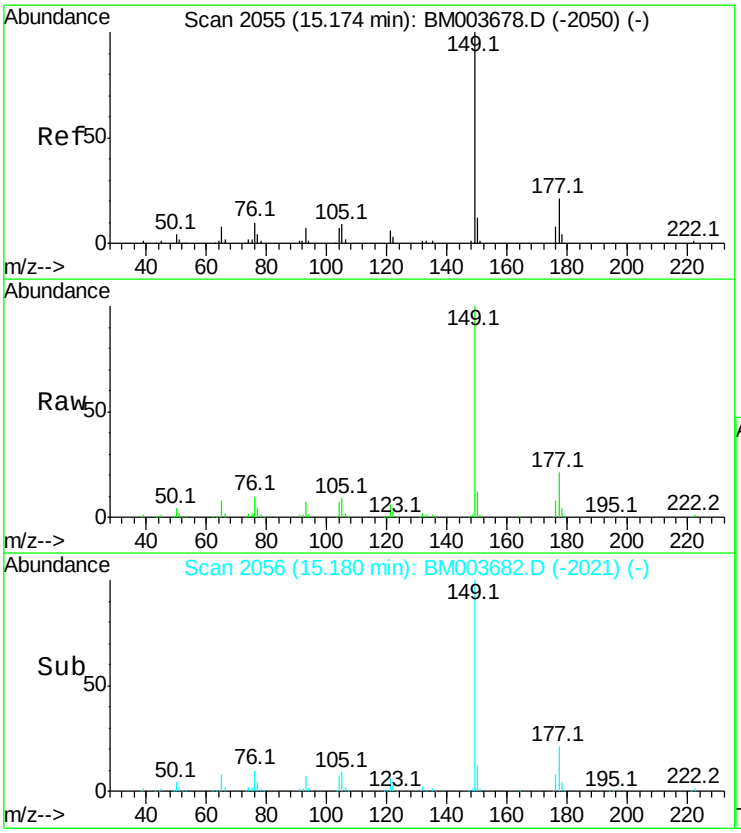
#55
2,4-Dinitrotoluene
Concen: 47.86 ng/ul
RT: 14.73 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:165 Resp: 117000

Ion	Ratio	Lower	Upper
165	100		
63	37.6	29.8	44.6
182	2.8	2.2	3.4

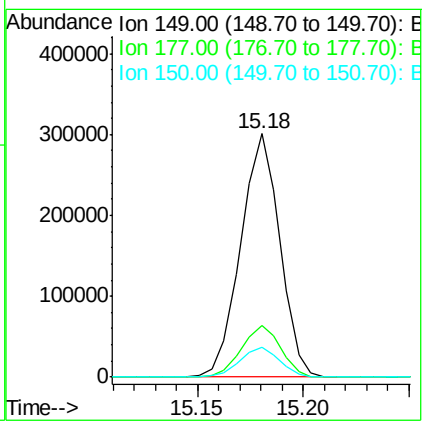


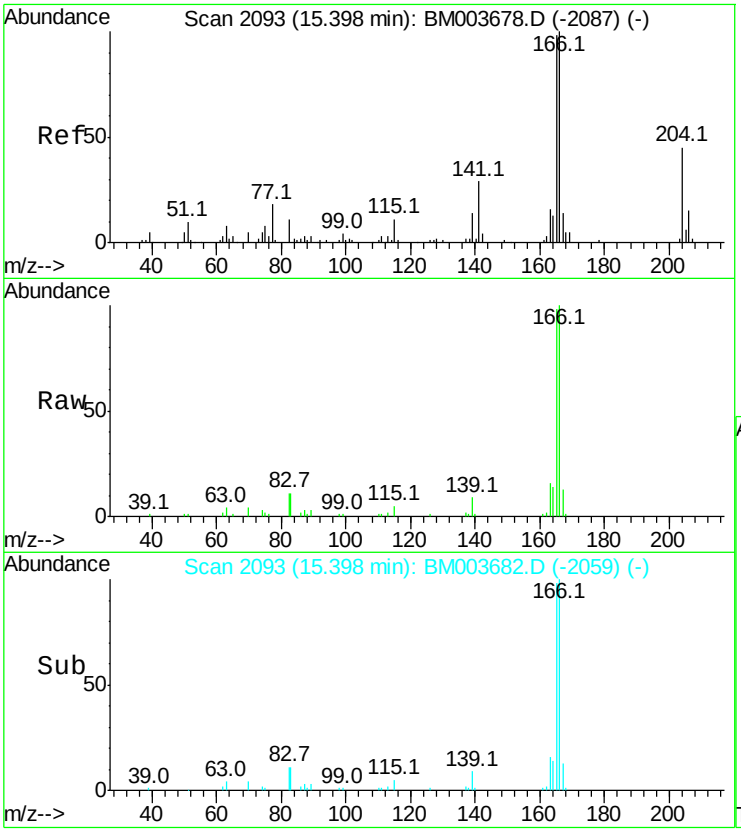


#57
Diethylphthalate
Concen: 44.19 ng/ul
RT: 15.18 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:149 Resp: 386246

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.3	10.0	15.0



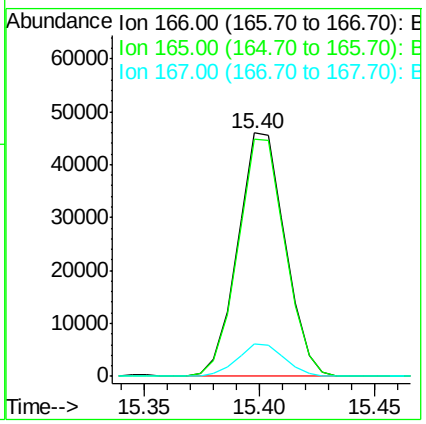


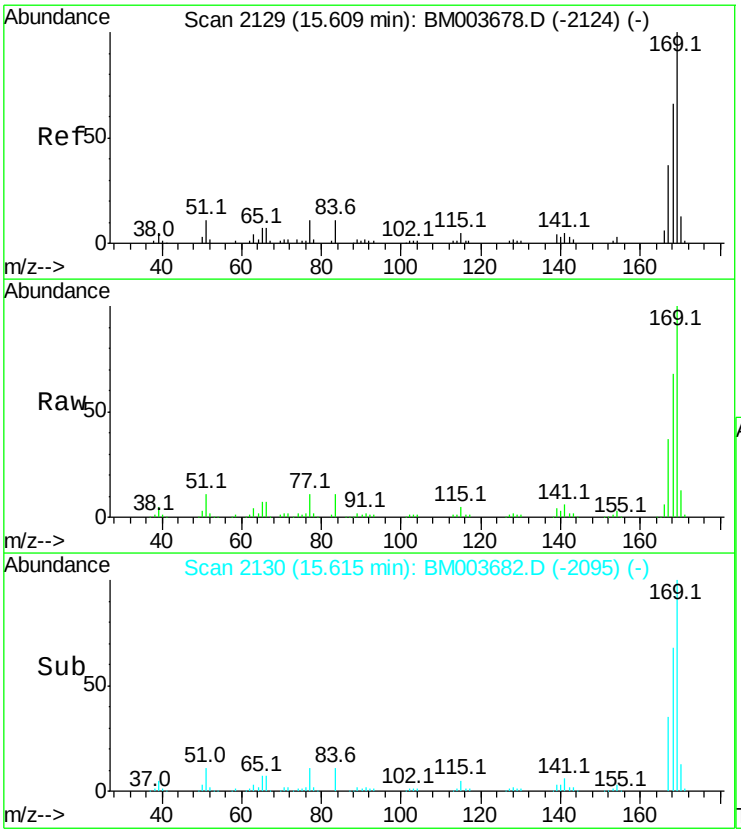
#59
Fluorene
Concen: 8.54 ng/ul
RT: 15.40 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:166 Resp: 65659

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.3	10.7	16.1

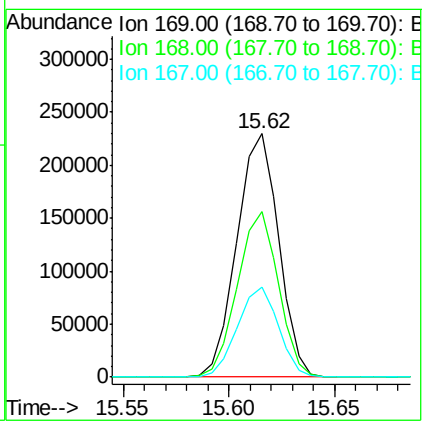


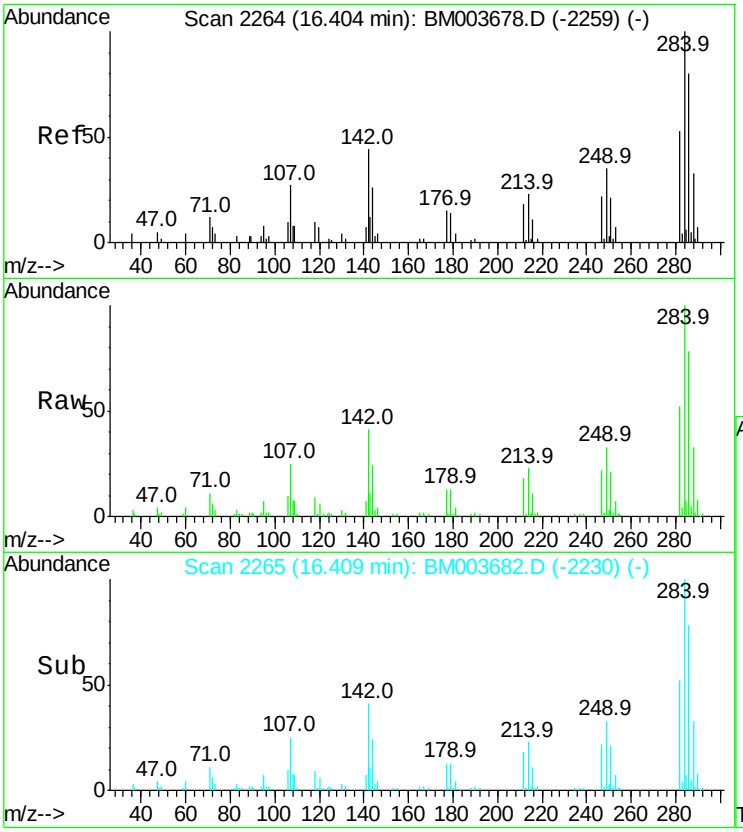


#65
N-Nitrosodiphenylamine
Concen: 51.96 ng/ul
RT: 15.62 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:169 Resp: 315740

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.8	80.8
167	37.0	29.3	43.9



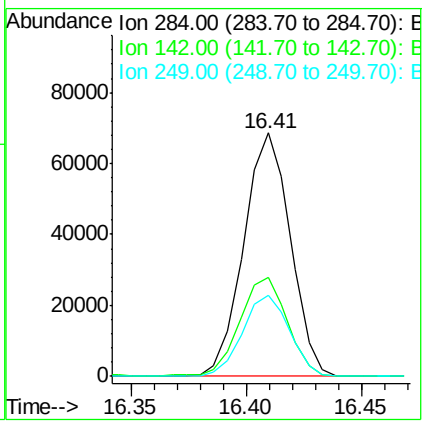


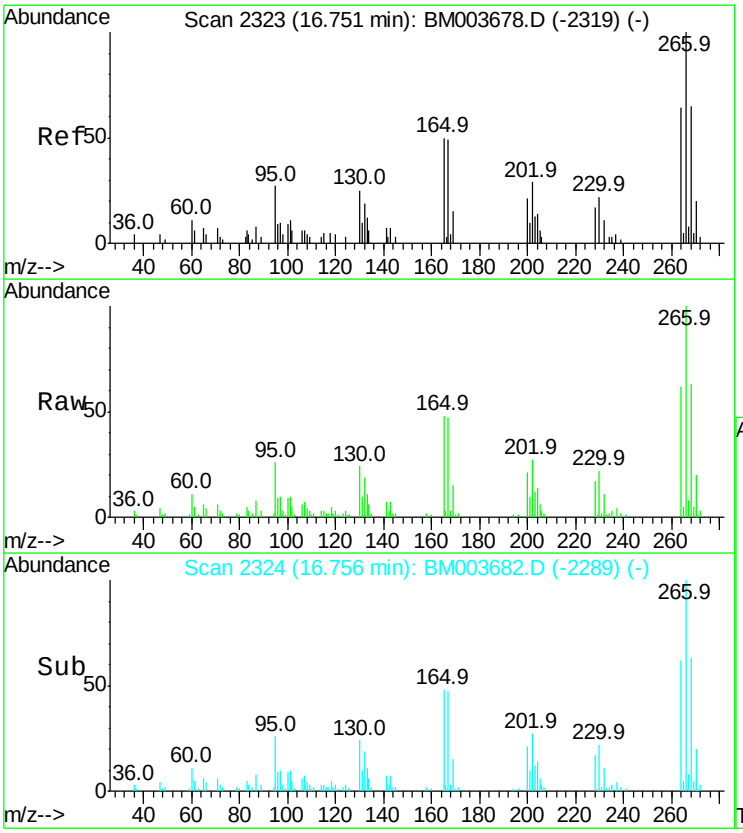
#67
Hexachlorobenzene
Concen: 42.13 ng/ul
RT: 16.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:284 Resp: 96861

Ion	Ratio	Lower	Upper
284	100		
142	40.7	33.1	49.7
249	33.3	27.1	40.7

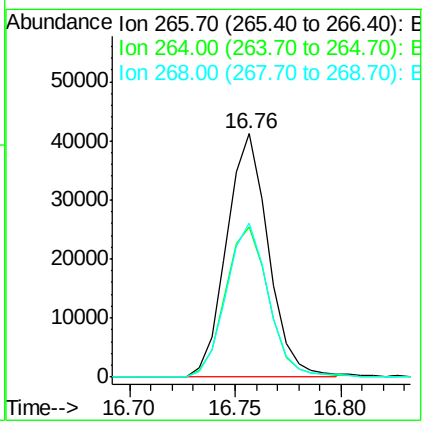


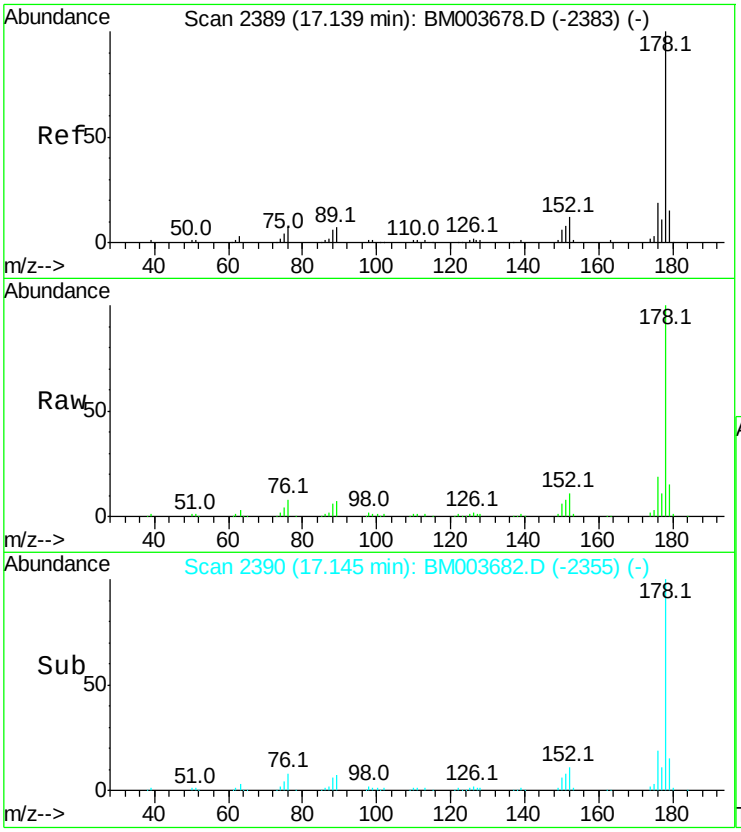


#69
Pentachlorophenol
Concen: 43.58 ng/ul
RT: 16.76 min Scan# 2324
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:266 Resp: 56520

Ion	Ratio	Lower	Upper
266	100		
264	61.8	50.5	75.7
268	63.0	50.9	76.3



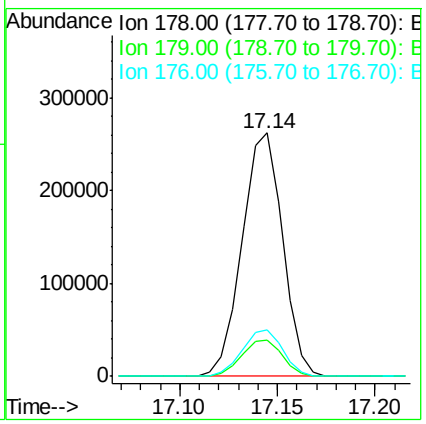


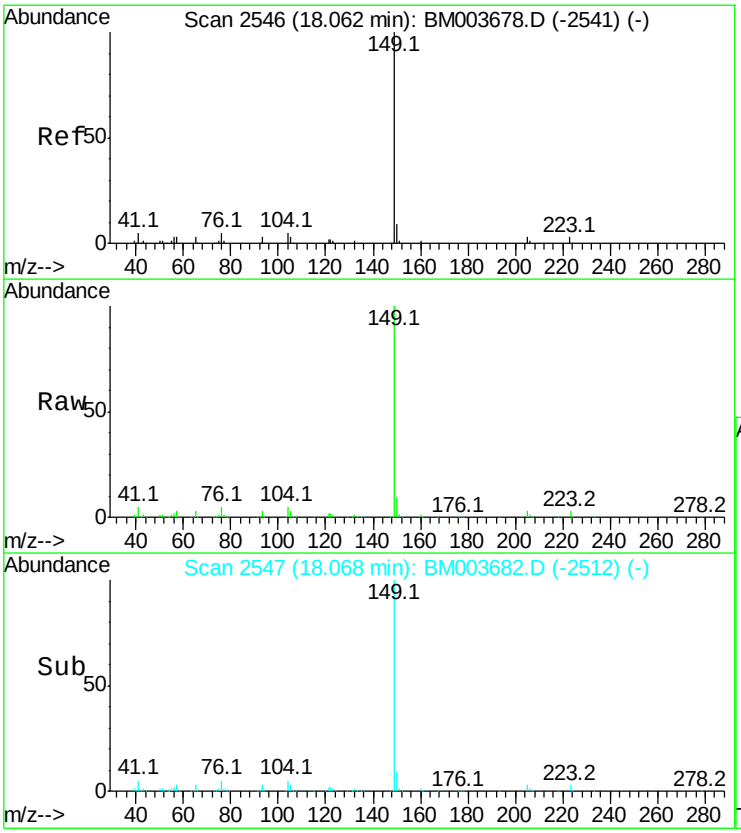
#70
Phenanthrene
Concen: 32.83 ng/ul
RT: 17.14 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:178 Resp: 376996

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	19.1	15.6	23.4

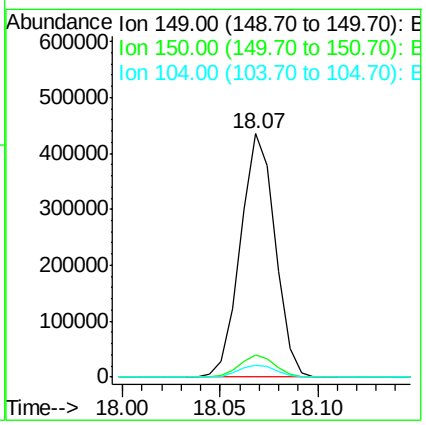


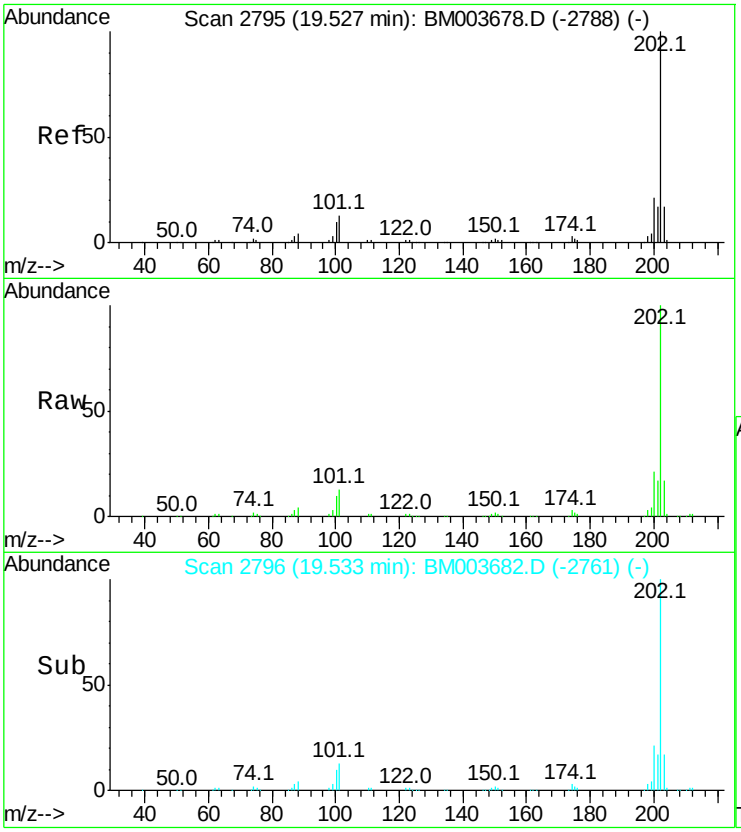


#76
Di-n-butylphthalate
Concen: 38.57 ng/ul
RT: 18.07 min Scan# 2547
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:149 Resp: 536346

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.1	4.0	6.0



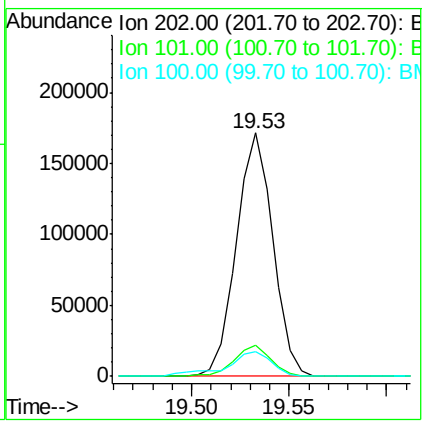


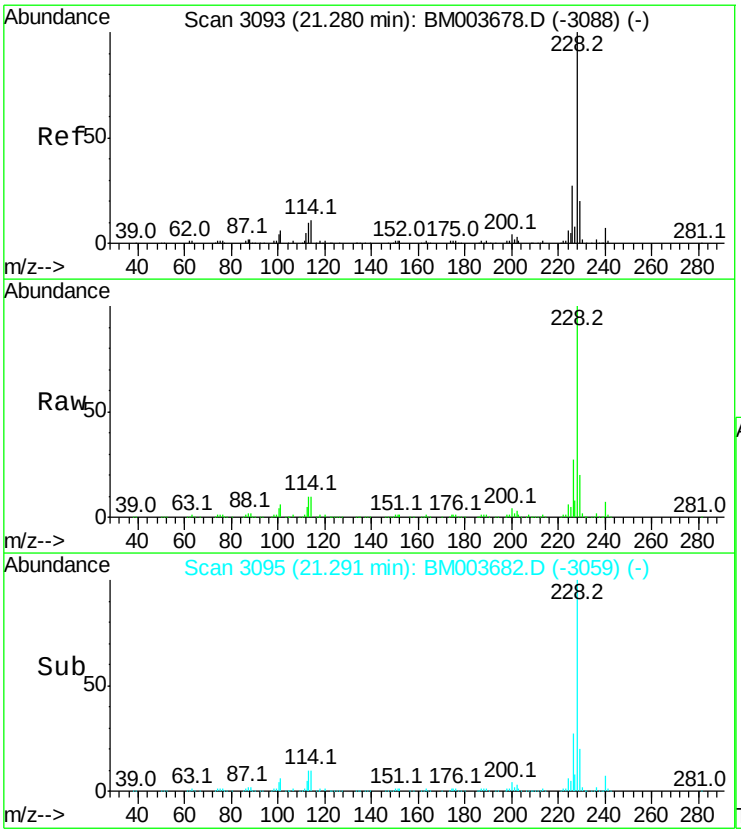
#80
Pyrene
Concen: 19.26 ng/ul
RT: 19.53 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:202 Resp: 222529

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.2	15.2
100	10.0	8.5	12.7

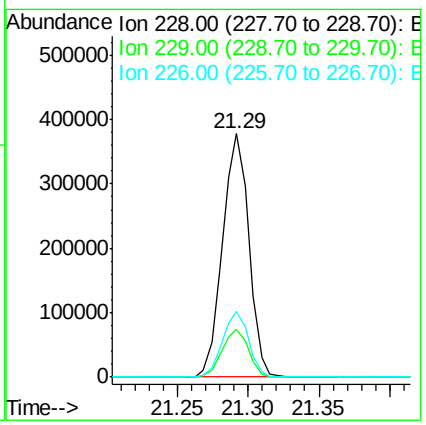


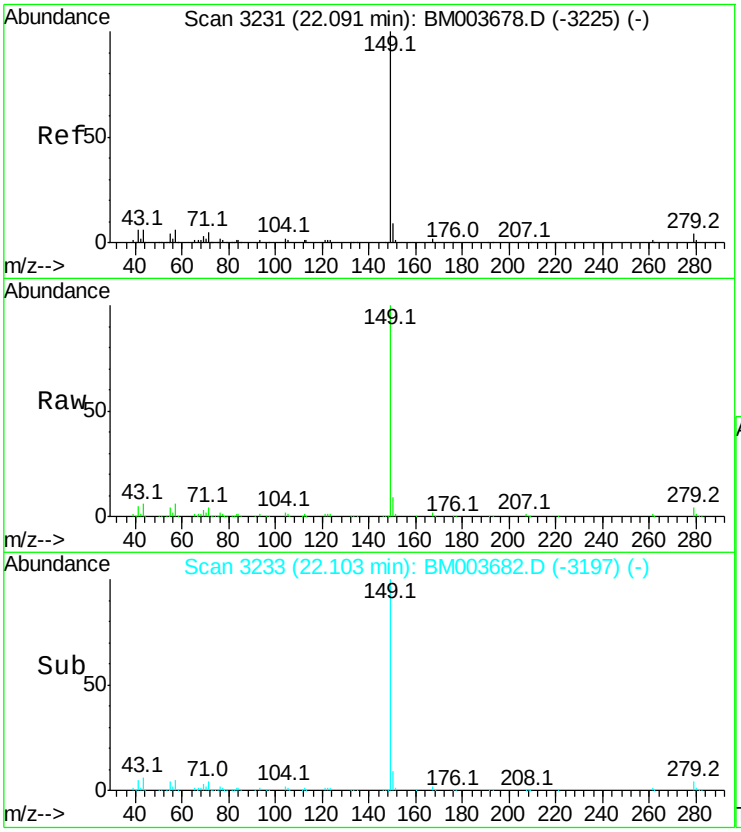


#83
Benzo(a)anthracene
Concen: 40.40 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:228 Resp: 488931

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.7	23.5
226	27.1	21.8	32.6

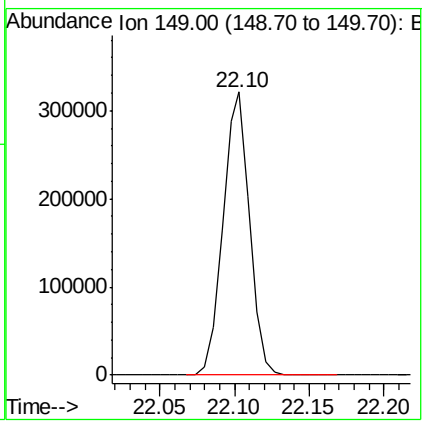


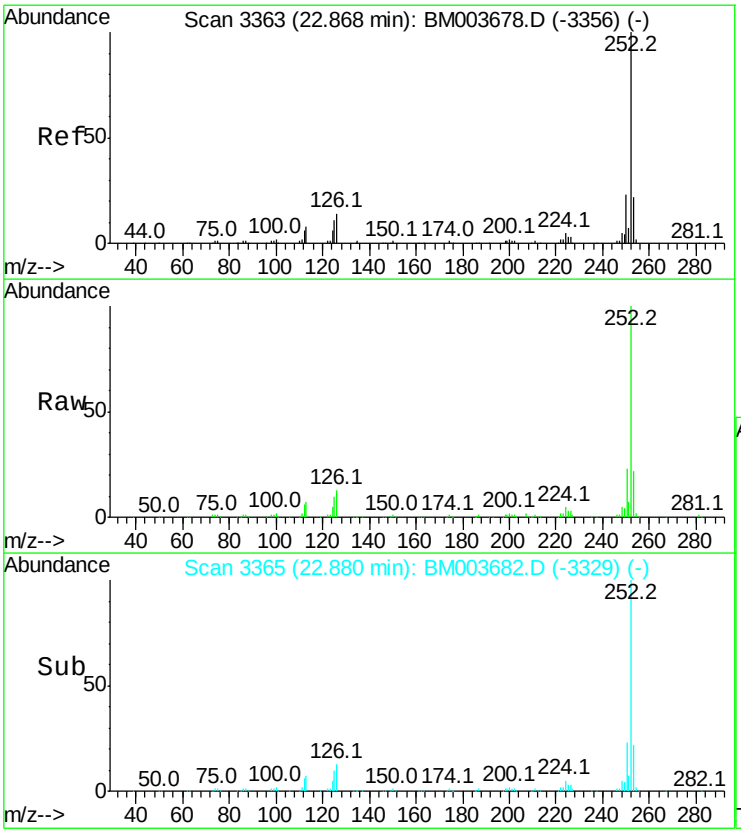


#87
Di-n-octyl phthalate
Concen: 29.98 ng/ul
RT: 22.10 min Scan# 3233
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:149 Resp: 400676

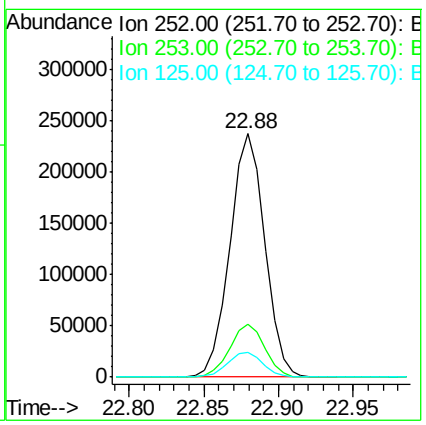


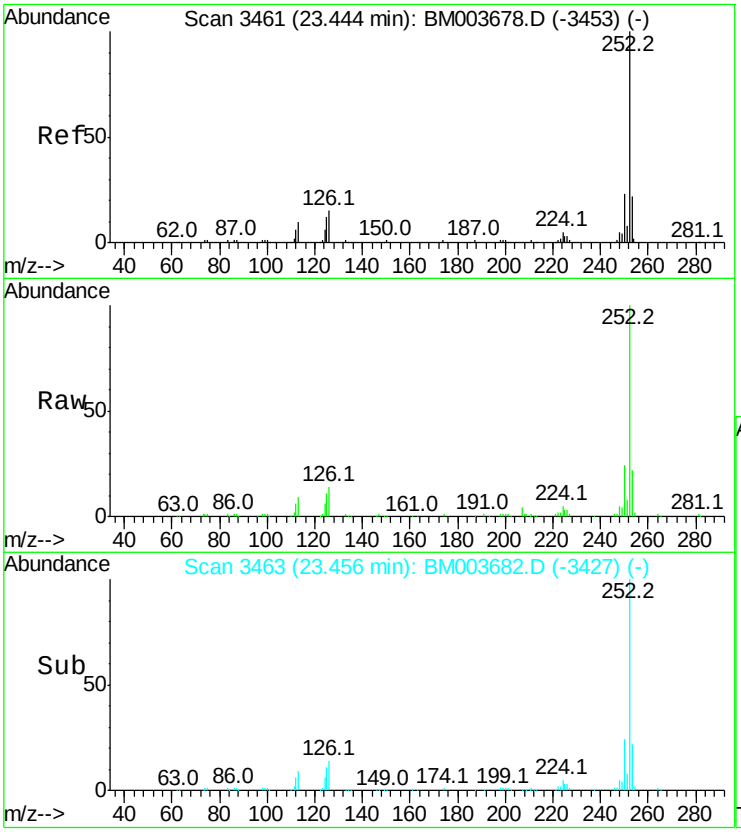


#88
Benzo(b)fluoranthene
Concen: 33.07 ng/ul
RT: 22.88 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:252 Resp: 385775

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.2	8.5	12.7



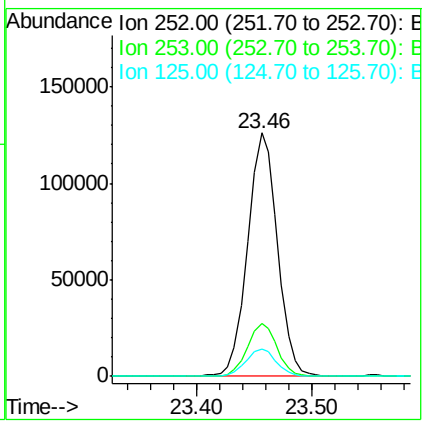


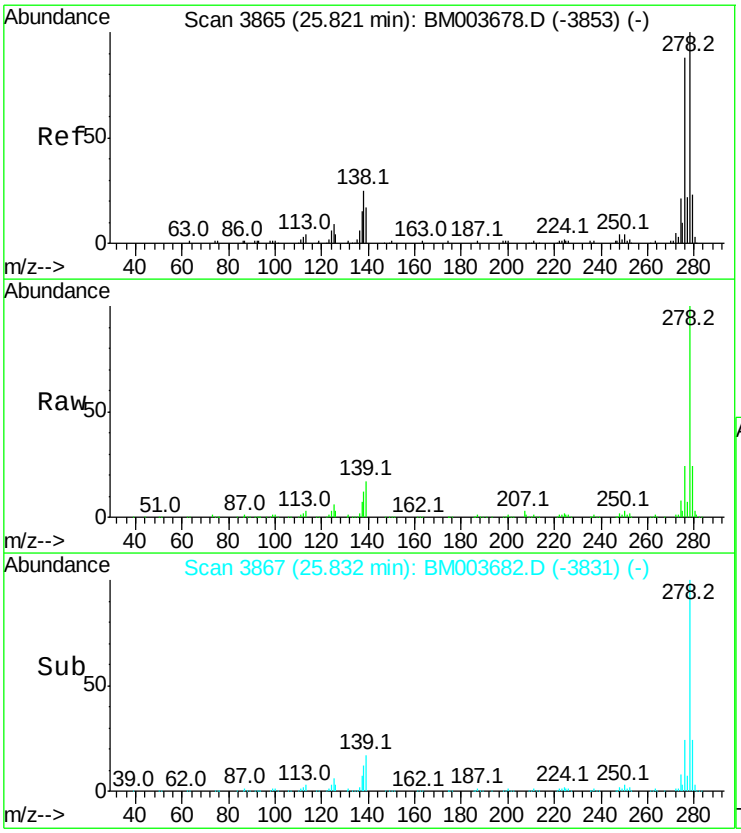
#91
Benzo(a)pyrene
Concen: 20.38 ng/ul
RT: 23.46 min Scan# 3463
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:252 Resp: 227353

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	11.1	9.0	13.6

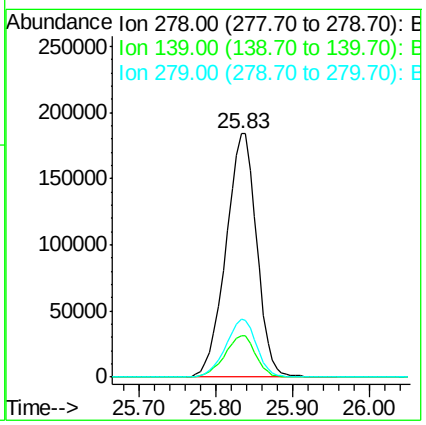


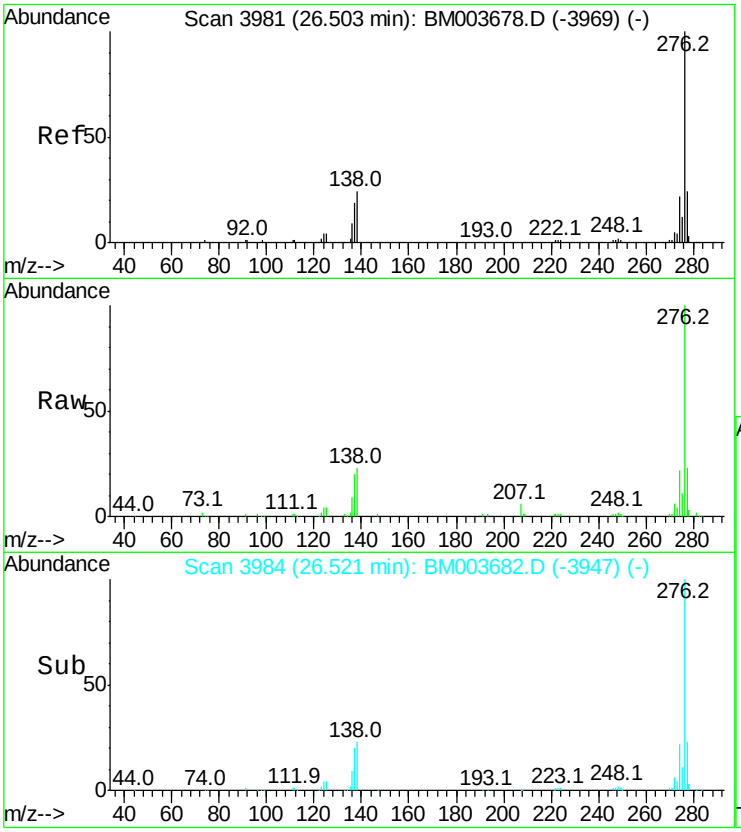


#93
Dibenzo(a,h)anthracene
Concen: 51.01 ng/ul
RT: 25.83 min Scan# 3867
Delta R.T. 0.01 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Tgt Ion:278 Resp: 513825

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	24.0	19.0	28.4





#94
Benzo(g,h,i)perylene
Concen: 27.29 ng/ul
RT: 26.52 min Scan# 3984
Delta R.T. 0.02 min
Lab File: BM003682.D
Acq: 21 Dec 2015 17:46

Instrument :
BNA_M
ClientSampleId :
D9N23

Tgt Ion:276 Resp: 269110

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.9	28.3
277	23.3	19.2	28.8