Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022417\
Data File : BM009012.D
Acq On : 24 Feb 2017 11:37
Operator : SJ/MA
Sample : I1940-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABP4

Quant Time: Feb 24 13:16:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 24 13:06:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	177631	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	725282	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.54	164	442447	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1089844	20.00	ng/ul	0.00
75) Chrysene-d12	21.46	240	1341619	20.00	ng/ul	0.00
83) Perylene-d12	23.80	264	1220779	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.36	96	19130	4.33	ng/uL	0.00
5) Phenol-d5	7.05	99	398775	24.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	298088	25.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	256913	23.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	299837	25.36	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	125961	24.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	145813	26.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	282341	24.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.84	131	366850	29.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	985769	33.09	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1186802	32.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.73	143	153083	29.43	ng/ul	0.00
57) Fluorene-d10	15.53	176	902436	32.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	140773	21.46	ng/ul	0.00
70) Anthracene-d10	17.38	188	1489451	28.86	ng/ul	0.00
76) Pyrene-d10	19.67	212	1757592	30.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.65	264	1624051	29.30	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	7.05	77	475238	39.26	ng/ul	88
10) 2-Chlorophenol	7.46	128	50022	4.48	ng/ul#	66
23) 2-Nitrophenol	9.82	139	224386	37.21	ng/ul#	65
28) Naphthalene	10.75	128	260983	7.18	ng/ul	97
31) Hexachlorobutadiene	11.02	225	165554	17.20	ng/ul	98
33) 4-Chloro-3-methylphenol	11.97	107	183200	13.57	ng/ul#	93
36) 1,2,4,5-Tetrachlorobenzene	12.72	216	124269	8.63	ng/ul#	92
38) 2,4,6-Trichlorophenol	12.96	196	168716	20.54	ng/ul	98
40) 1,1'-Biphenyl	13.37	154	829036	27.17	ng/ul	98
44) Dimethylphthalate	13.99	163	941837	31.60	ng/ul	97
45) 2,6-Dinitrotoluene	14.12	165	104341	18.37	ng/ul	83
52) 4-Nitrophenol	14.74	109	325868	48.90	ng/ul#	79
53) Dibenzofuran	14.93	168	430409	11.48	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.66	198	126845	18.41	ng/ul#	77
66) Hexachlorobenzene	16.58	284	110281	8.09	ng/ul	100
68) Pentachlorophenol	16.93	266	136298	16.15	ng/ul	95
69) Phenanthrene	17.33	178	1484328	24.64	ng/ul	98
71) Anthracene	17.42	178	629082	10.24	ng/ul	96
73) Di-n-butylphthalate	18.24	149	976039	15.84	ng/ul	97
74) Fluoranthene	19.34	202	1486623	20.41	ng/ul#	97
77) Pyrene	19.70	202	1617064	21.58	ng/ul#	94
81) Bis(2-ethylhexyl)phthalate	21.35	149	819897	20.98	ng/ul	94
82) Chrysene	21.49	228	1295820	17.81	ng/ul	99

Quantitation Report (QT/LSC Reviewed)

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Data File : BM009012.D
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Operator : SJ/MA
Sample : I1940-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABP4

Quant Time: Feb 24 13:16:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 24 13:06:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.70	252	1119779	16.08	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	26.19	276	1402353	17.73	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.21	278	751044	11.15	ng/ul#	95

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

Quantitation Report (QT/LSC Reviewed)

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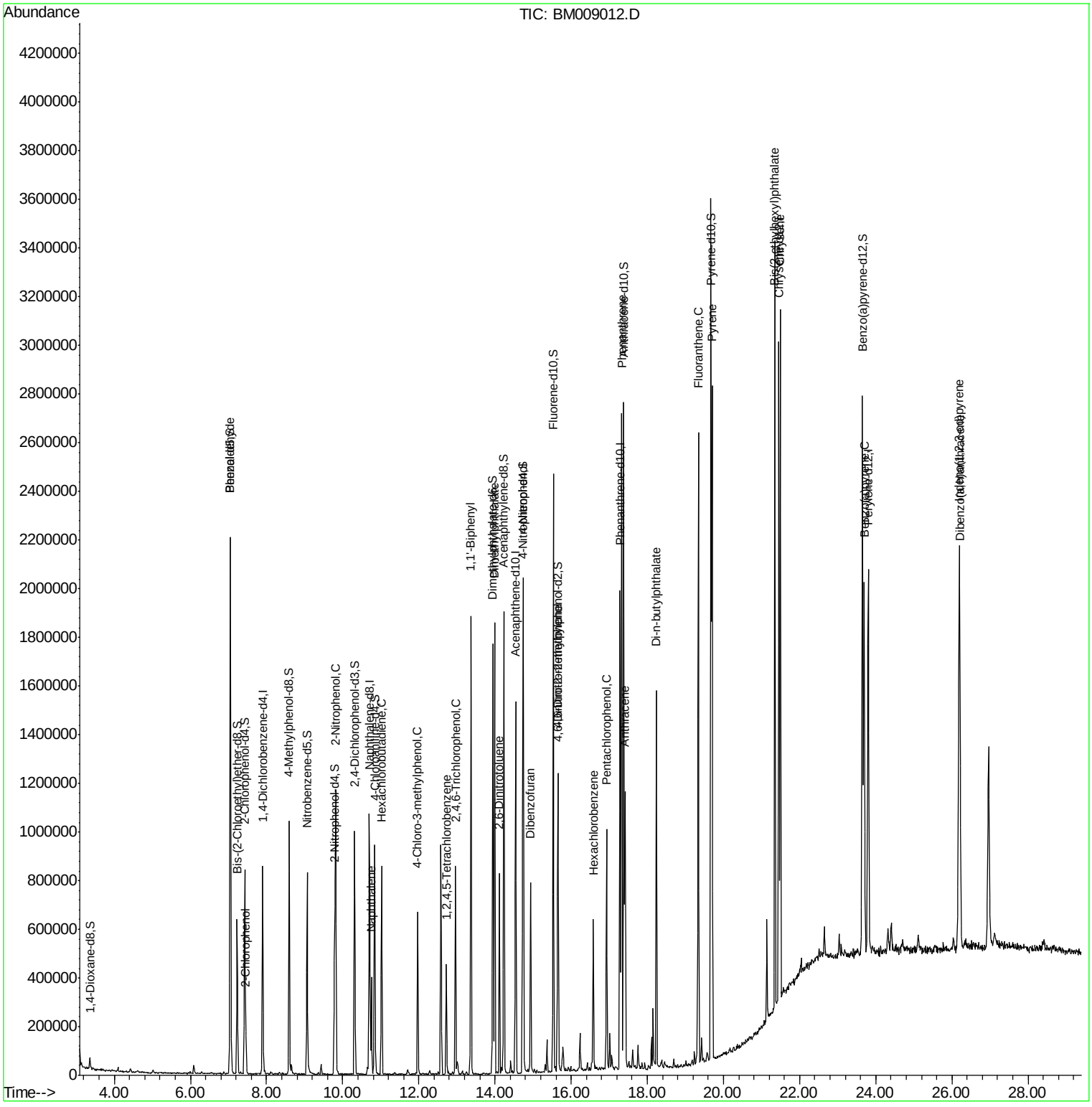
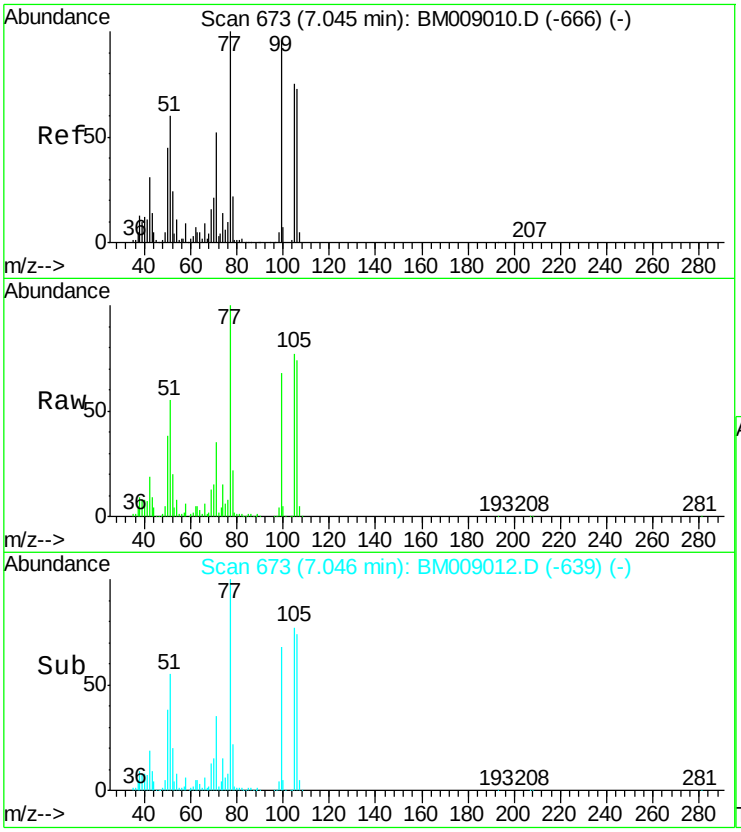


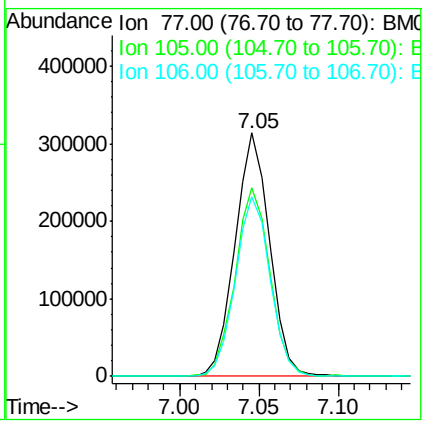


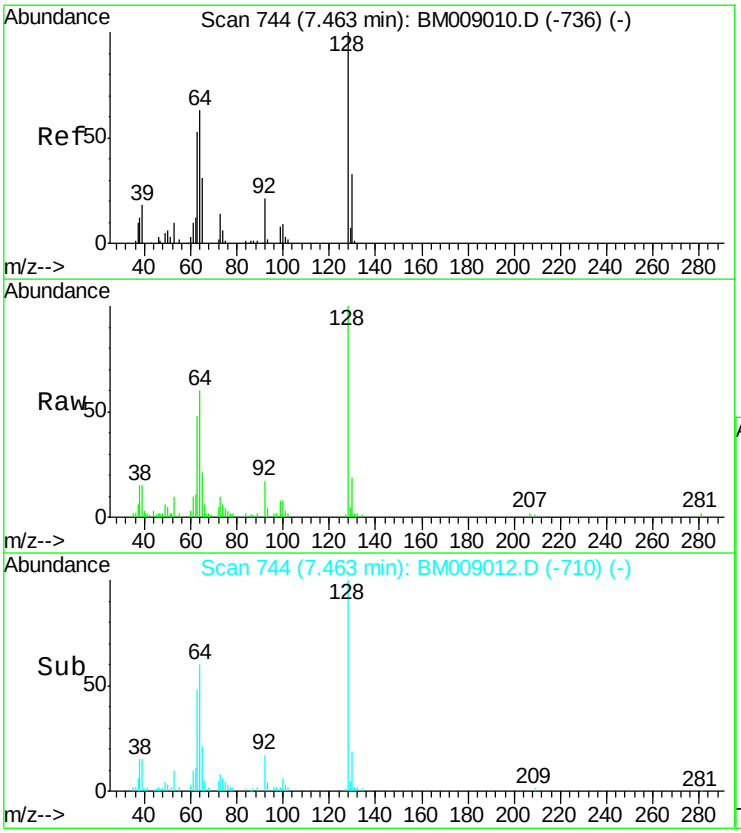
#4
Benzaldehyde
Concen: 39.26 ng/ul
RT: 7.05 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion: 77 Resp: 475238

Ion	Ratio	Lower	Upper
77	100		
105	77.3	54.8	82.2
106	73.7	50.2	75.4

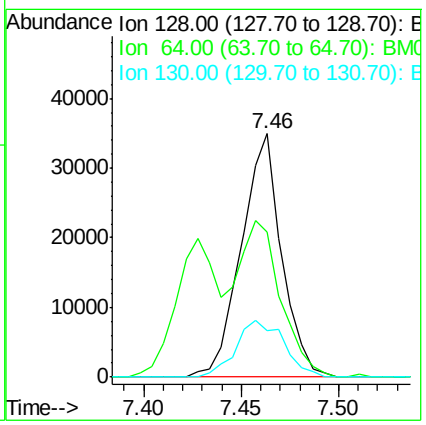


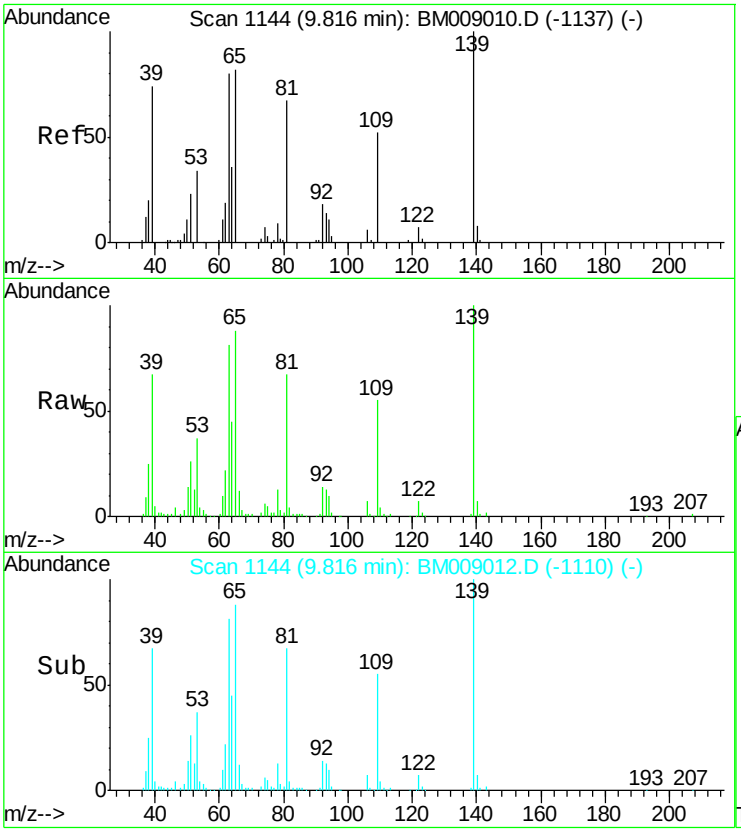


#10
2-Chlorophenol
Concen: 4.48 ng/ul
RT: 7.46 min Scan# 744
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:128 Resp: 50022

Ion	Ratio	Lower	Upper
128	100		
64	59.6	76.6	115.0#
130	19.1	26.5	39.7#



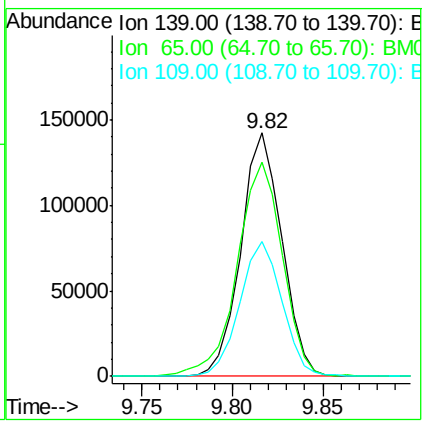


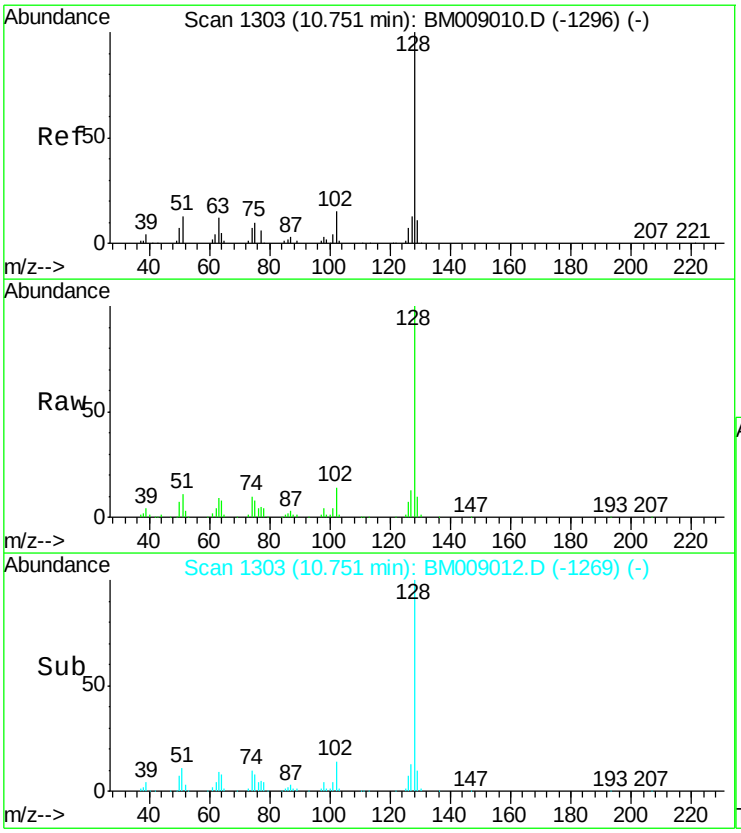
#23
2-Nitrophenol
Concen: 37.21 ng/ul
RT: 9.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:139 Resp: 224386

Ion	Ratio	Lower	Upper
139	100		
65	88.0	102.7	154.1#
109	55.2	71.1	106.7#

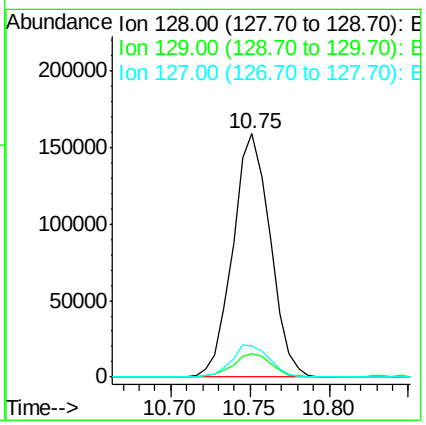


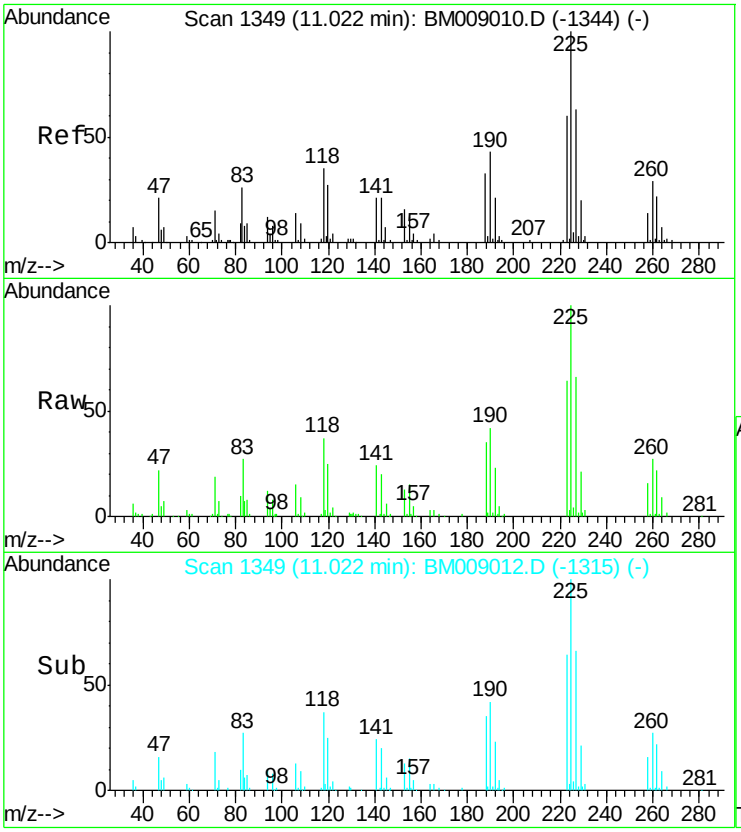


#28
Naphthalene
Concen: 7.18 ng/ul
RT: 10.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:128 Resp: 260983

Ion	Ratio	Lower	Upper
128	100		
129	9.9	9.7	14.5
127	13.0	10.2	15.4



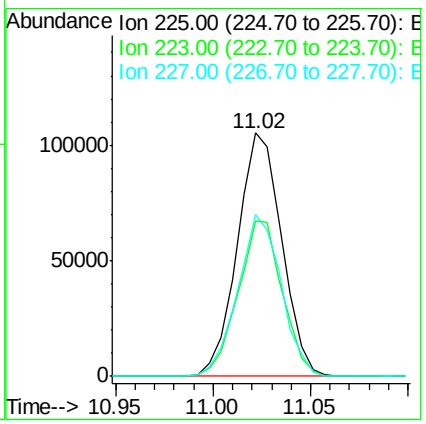


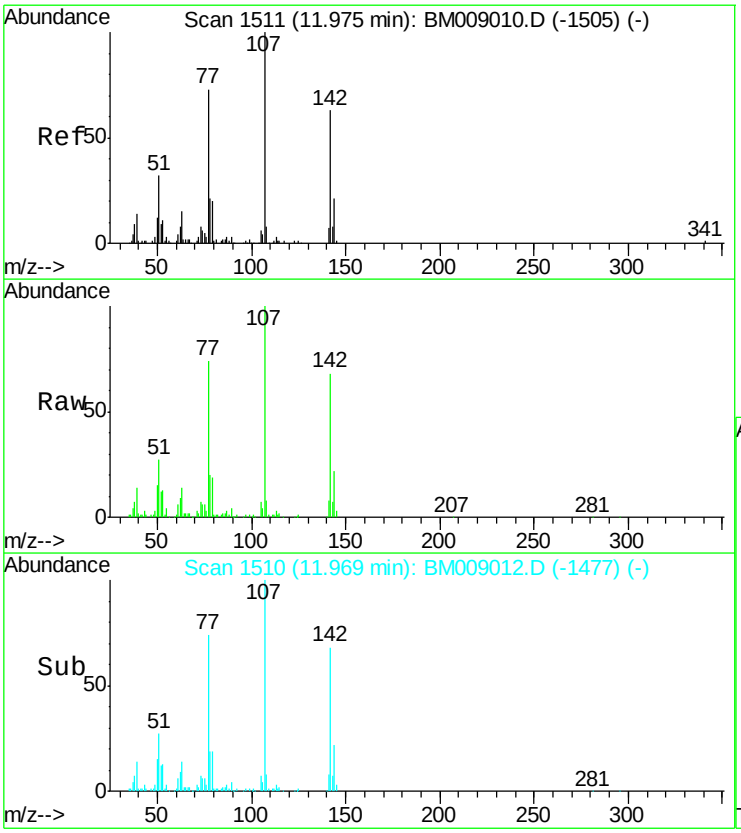
#31
Hexachlorobutadiene
Concen: 17.20 ng/ul
RT: 11.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:225 Resp: 165554

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.4	75.6
227	66.3	51.0	76.4

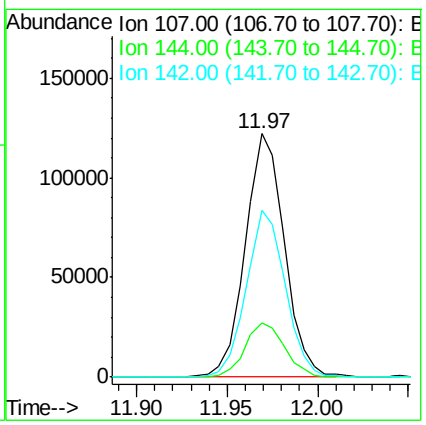


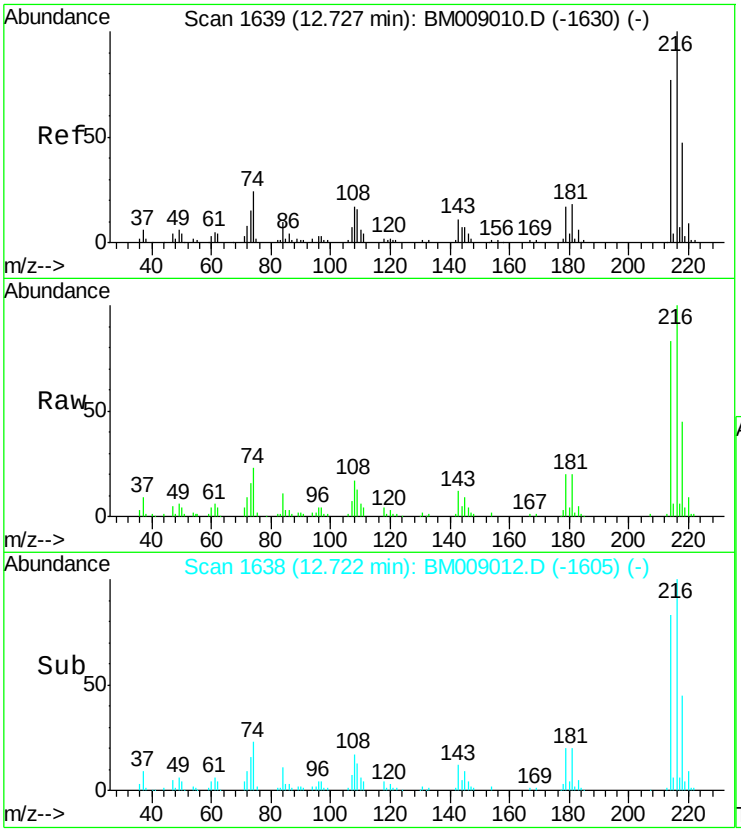


#33
4-Chloro-3-methylphenol
Concen: 13.57 ng/ul
RT: 11.97 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:107 Resp: 183200

Ion	Ratio	Lower	Upper
107	100		
144	22.4	14.4	21.6#
142	68.3	50.7	76.1



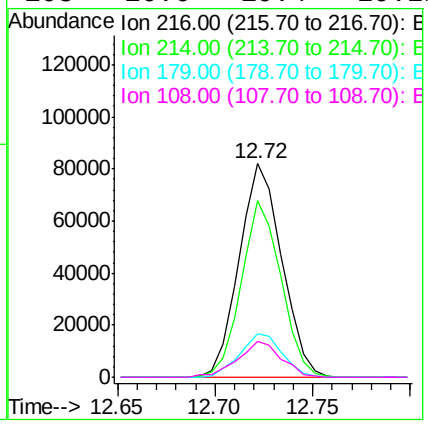


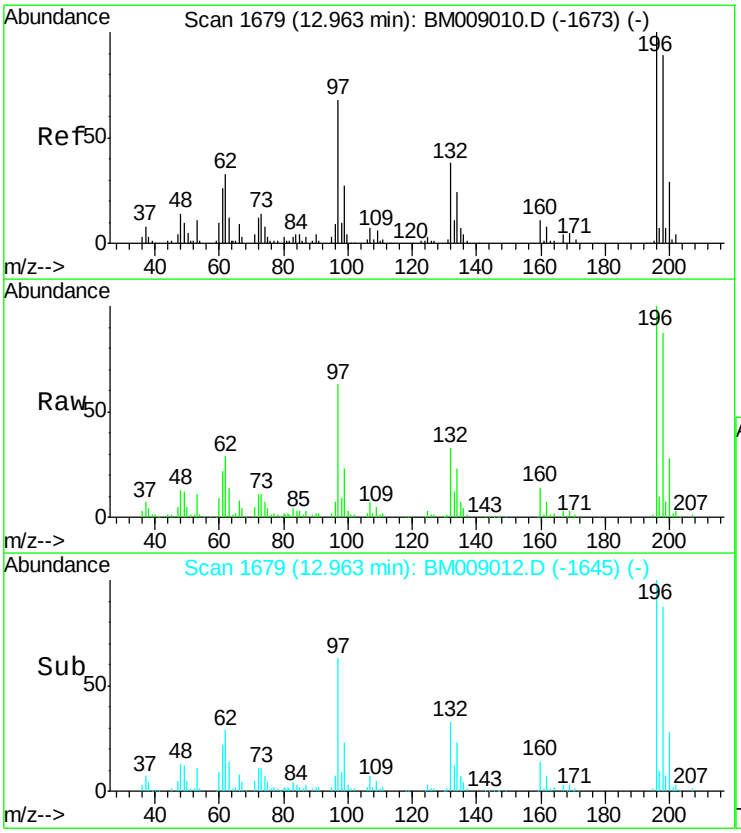
#36
1,2,4,5-Tetrachlorobenzene
Concen: 8.63 ng/ul
RT: 12.72 min Scan# 1638
Delta R.T. -0.01 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:216 Resp: 124269

Ion	Ratio	Lower	Upper
216	100		
214	82.5	61.1	91.7
179	20.2	17.7	26.5
108	16.6	19.4	29.2#

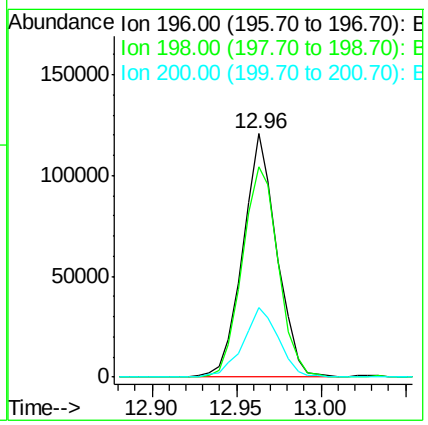


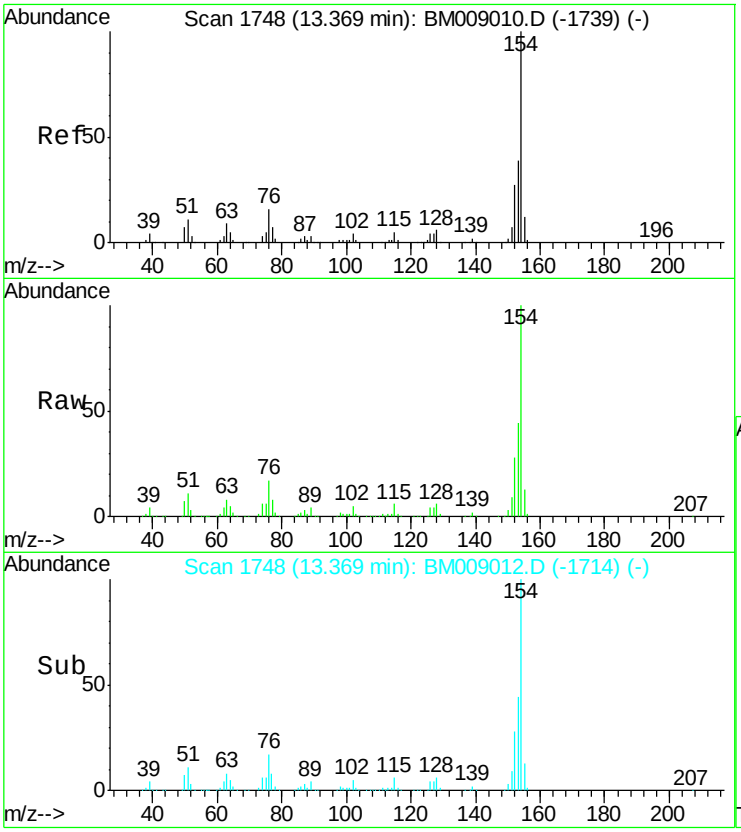


#38
2,4,6-Trichlorophenol
Concen: 20.54 ng/ul
RT: 12.96 min Scan# 1679
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:196 Resp: 168716

Ion	Ratio	Lower	Upper
196	100		
198	86.6	70.2	105.2
200	28.4	23.8	35.6



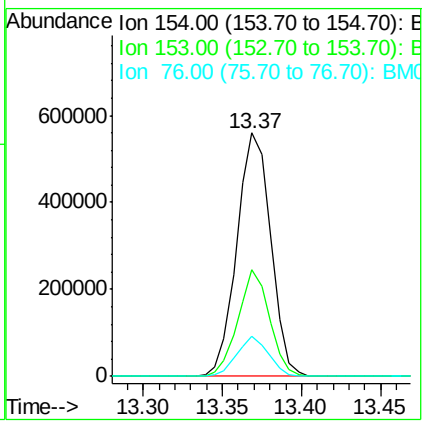


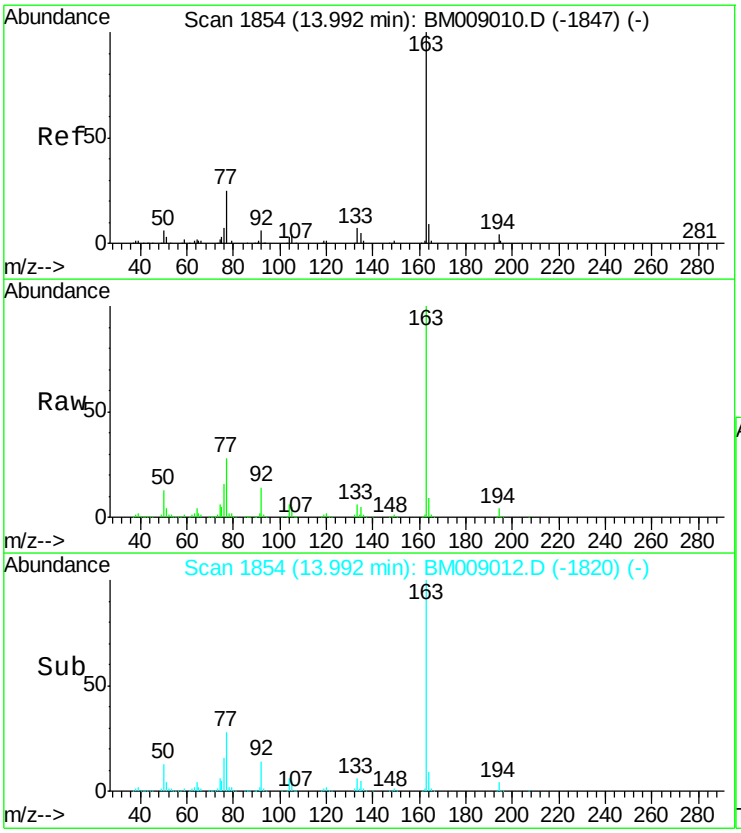
#40
1,1'-Biphenyl
Concen: 27.17 ng/ul
RT: 13.37 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:154 Resp: 829036

Ion	Ratio	Lower	Upper
154	100		
153	43.7	35.7	53.5
76	16.5	12.4	18.6

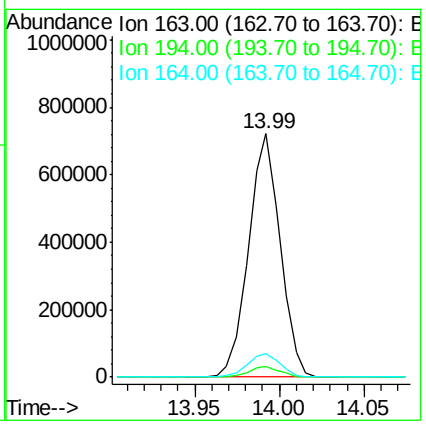


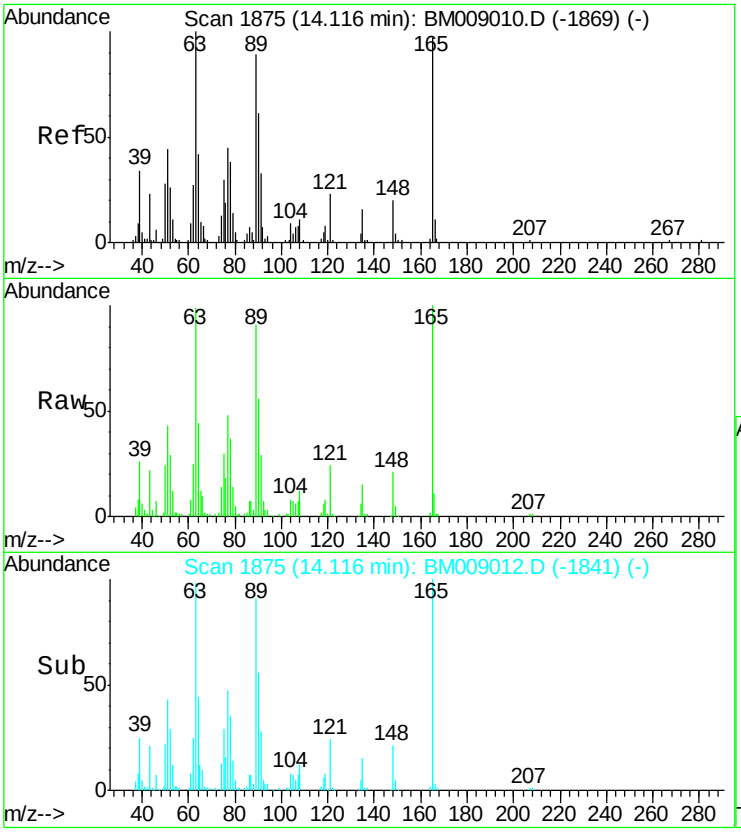


#44
Dimethylphthalate
Concen: 31.60 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:163 Resp: 941837

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	9.5	8.6	12.8



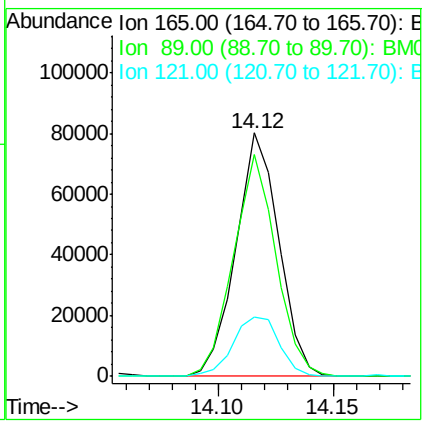


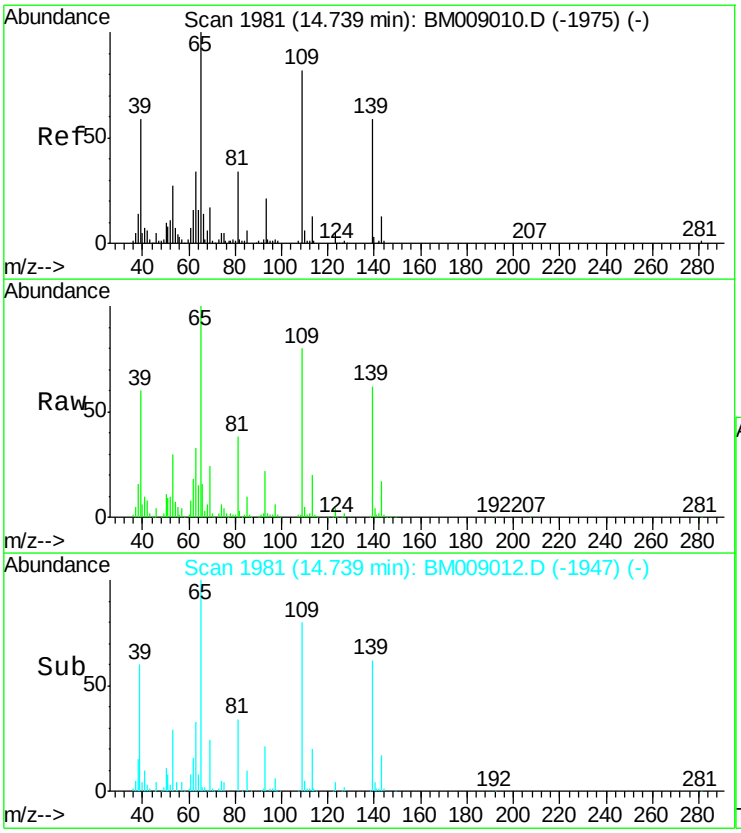
#45
2,6-Dinitrotoluene
Concen: 18.37 ng/ul
RT: 14.12 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:165 Resp: 104341

Ion	Ratio	Lower	Upper
165	100		
89	91.0	89.4	134.0
121	24.2	21.6	32.4

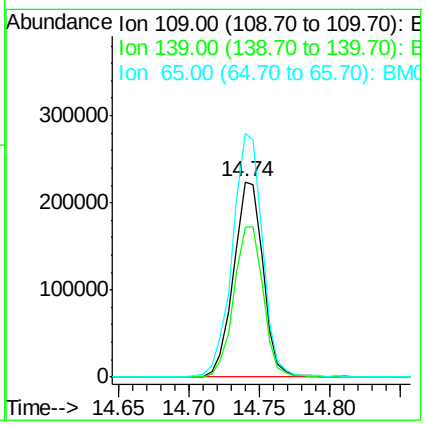


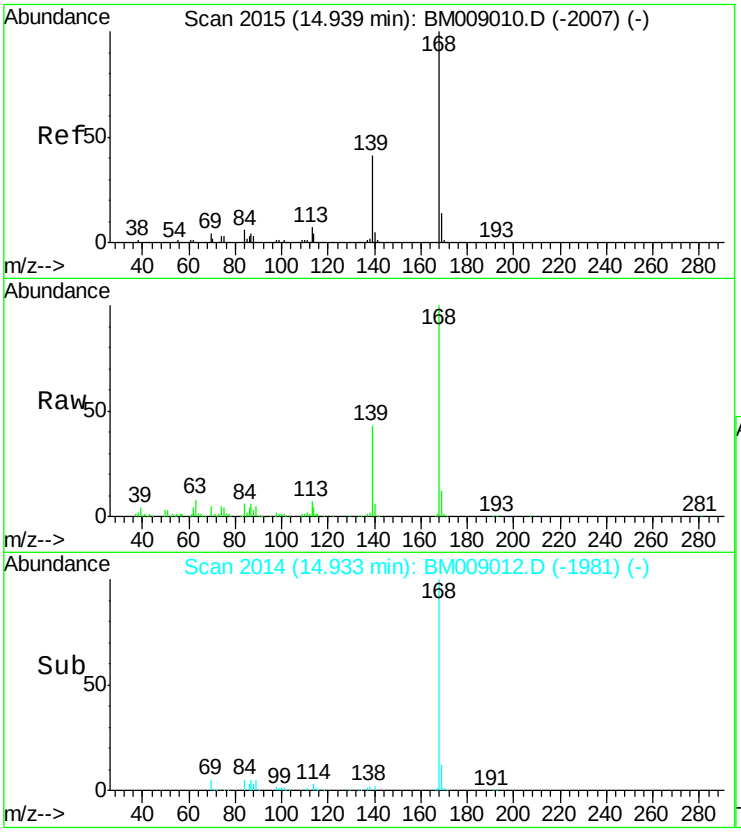


#52
4-Nitrophenol
Concen: 48.90 ng/ul
RT: 14.74 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:109 Resp: 325868

Ion	Ratio	Lower	Upper
109	100		
139	77.0	33.9	50.9#
65	124.8	92.2	138.2



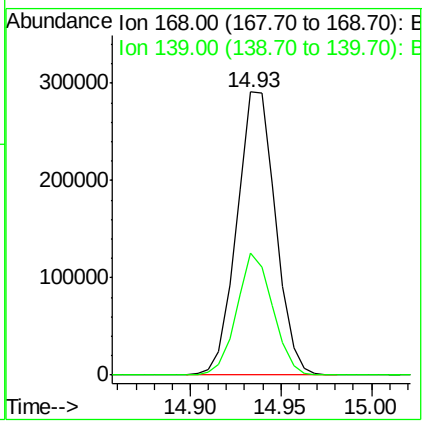


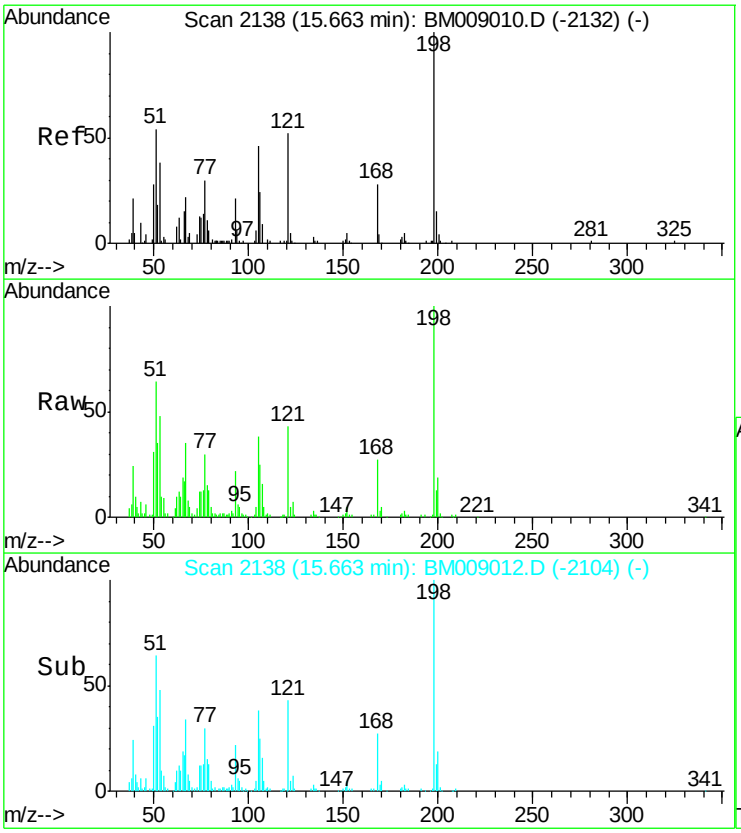
#53
Dibenzofuran
Concen: 11.48 ng/ul
RT: 14.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:168 Resp: 430409

Ion	Ratio	Lower	Upper
168	100		
139	43.3	35.6	53.4

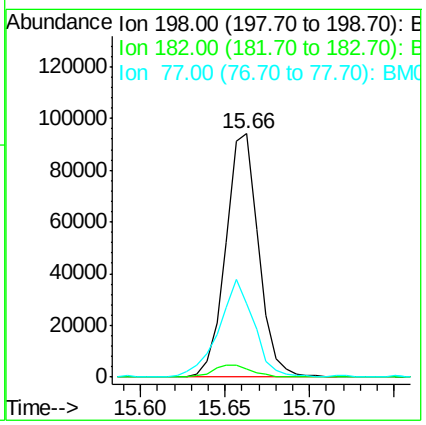


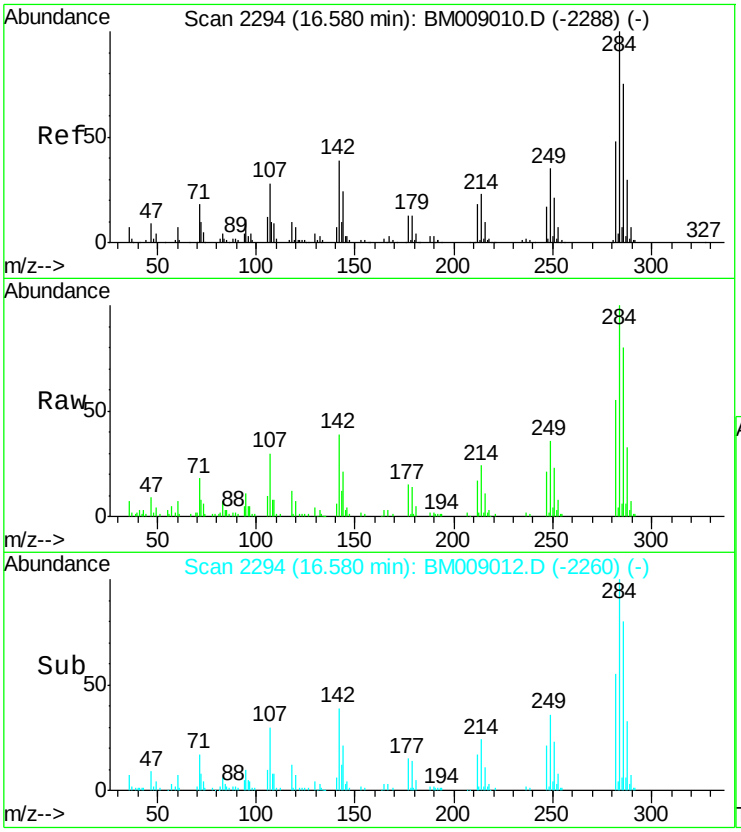


#63
4,6-Dinitro-2-methylphenol
Concen: 18.41 ng/ul
RT: 15.66 min Scan# 2138
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:198 Resp: 126845

Ion	Ratio	Lower	Upper
198	100		
182	3.2	3.0	4.4
77	30.3	37.6	56.4#



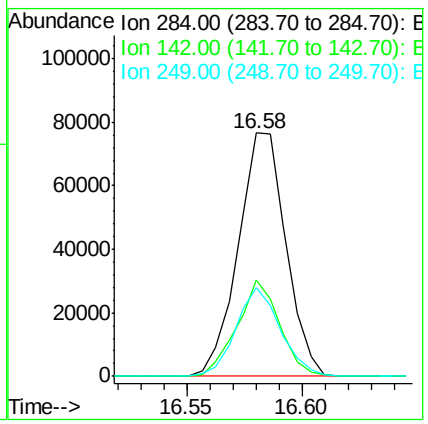


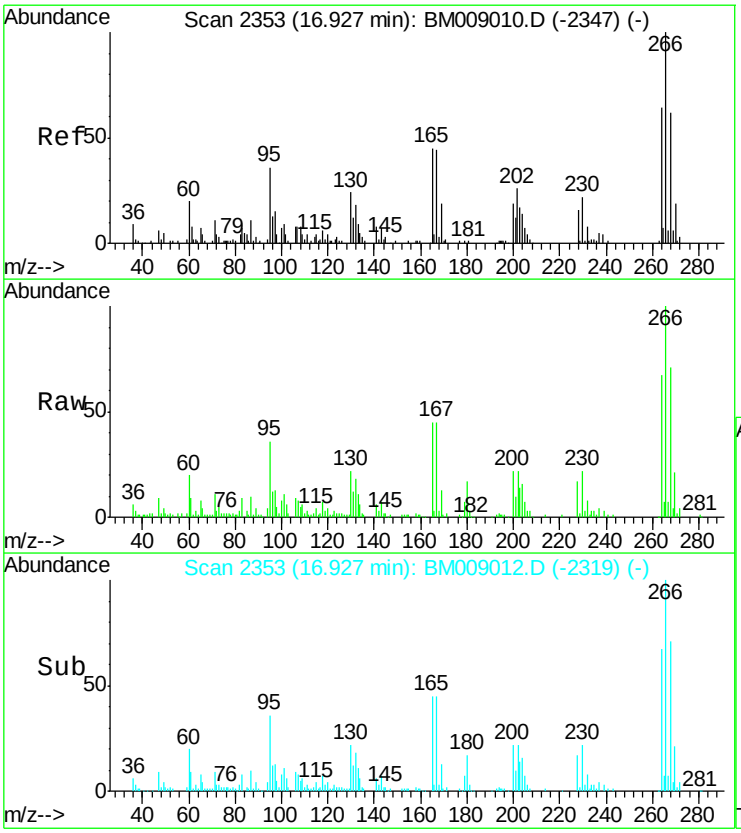
#66
Hexachlorobenzene
Concen: 8.09 ng/ul
RT: 16.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:284 Resp: 110281

Ion	Ratio	Lower	Upper
284	100		
142	39.4	31.6	47.4
249	36.3	29.0	43.6

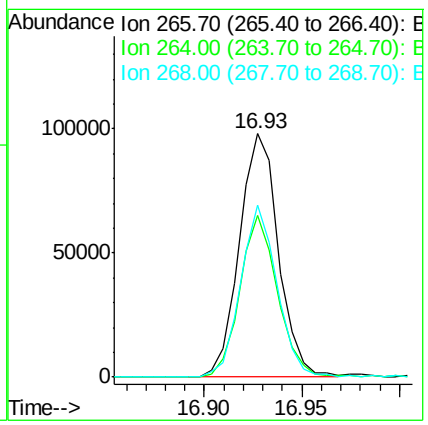


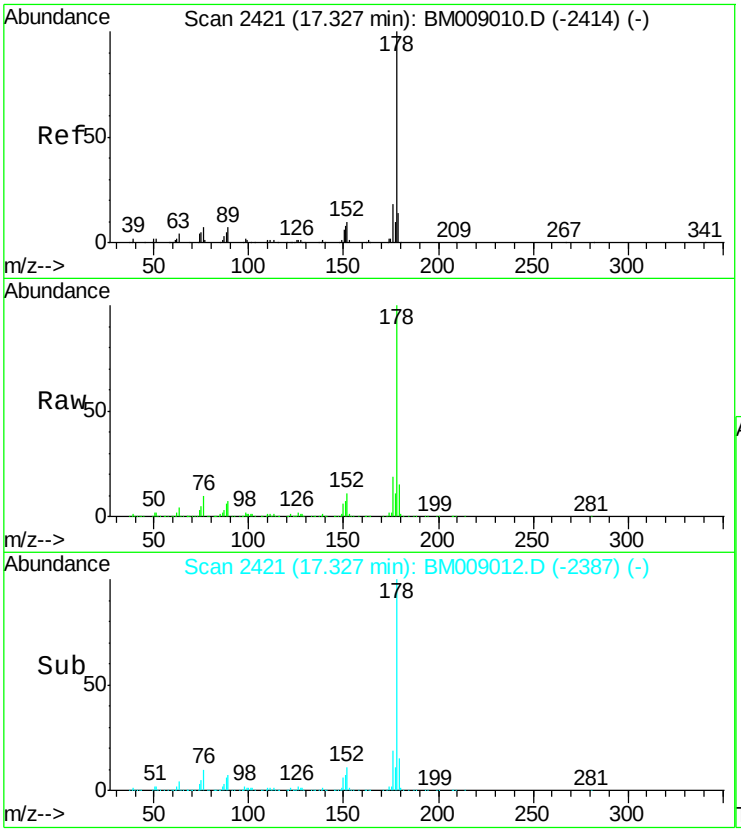


#68
Pentachlorophenol
Concen: 16.15 ng/ul
RT: 16.93 min Scan# 2353
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:266 Resp: 136298

Ion	Ratio	Lower	Upper
266	100		
264	66.5	54.8	82.2
268	70.5	62.1	93.1



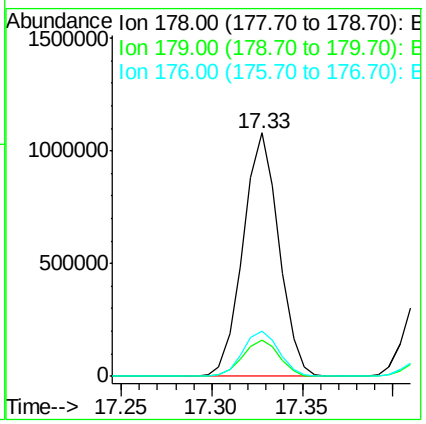


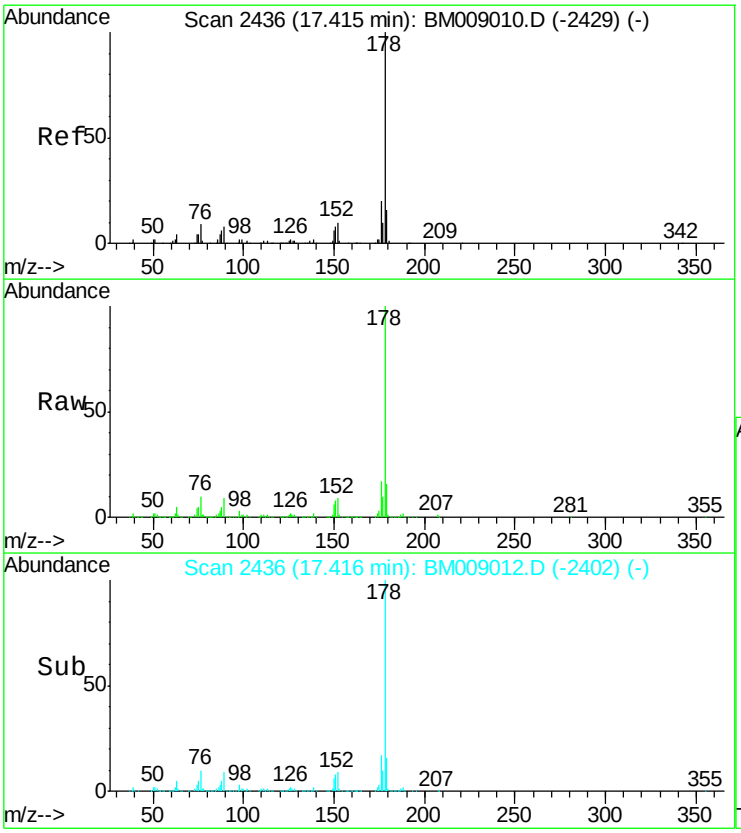
#69
Phenanthrene
Concen: 24.64 ng/ul
RT: 17.33 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:178 Resp: 1484328

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	19.0
176	18.8	15.8	23.6

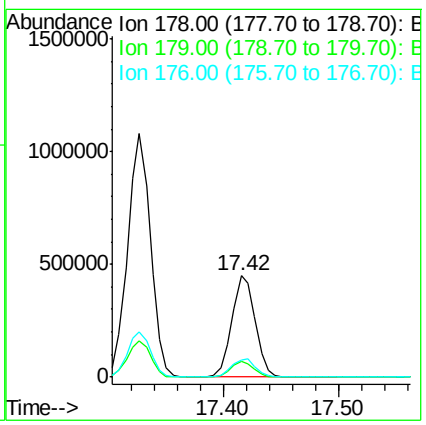


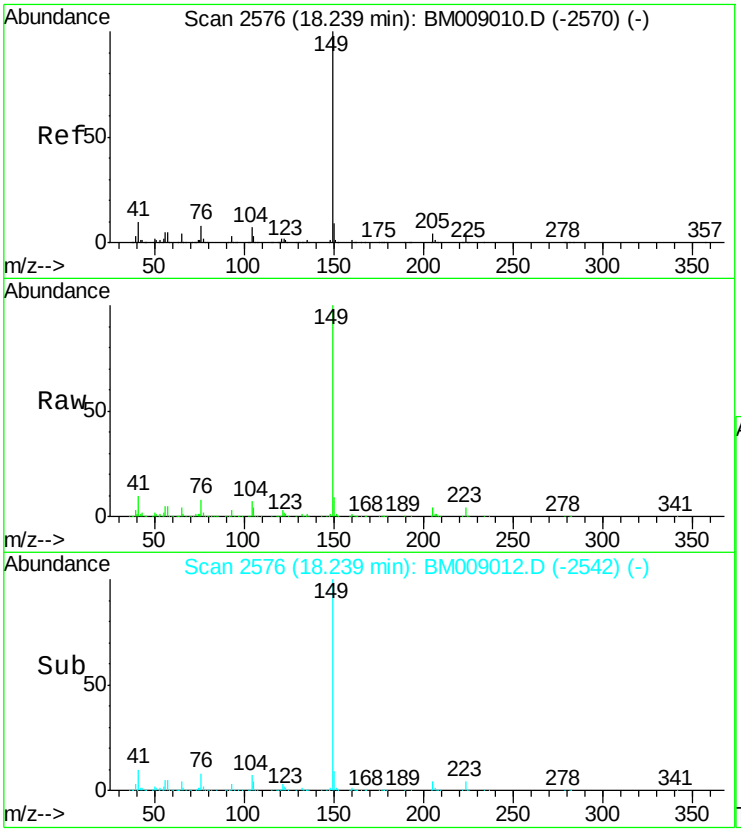


#71
Anthracene
Concen: 10.24 ng/ul
RT: 17.42 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:178 Resp: 629082

Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.1	19.7
176	17.0	15.6	23.4



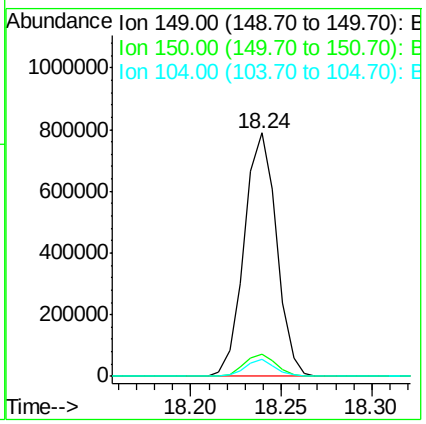


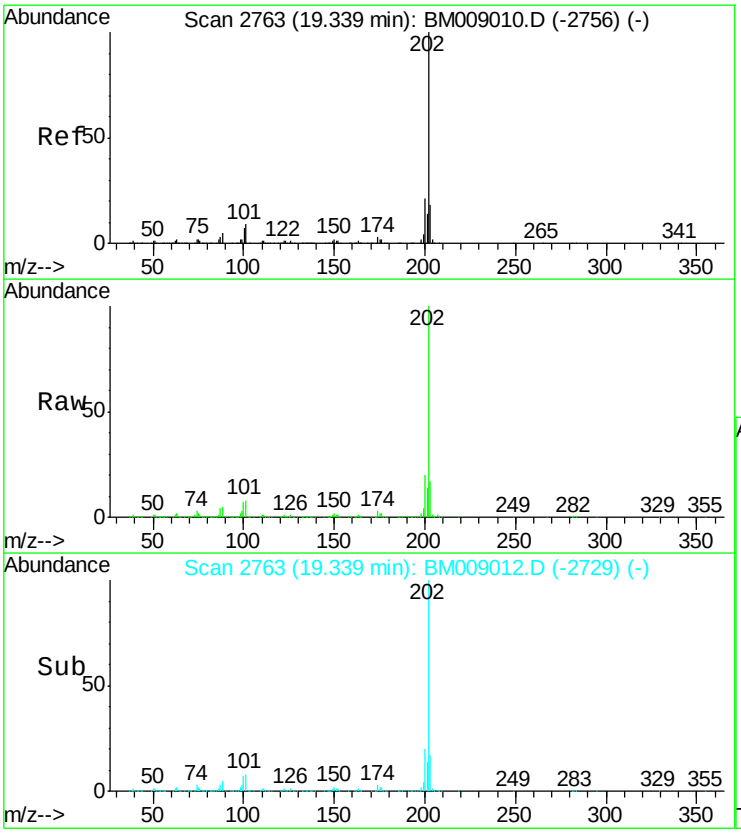
#73
Di-n-butylphthalate
Concen: 15.84 ng/ul
RT: 18.24 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:149 Resp: 976039

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.1	10.7
104	7.0	6.9	10.3

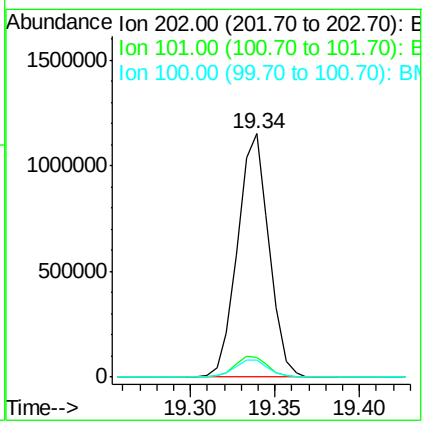


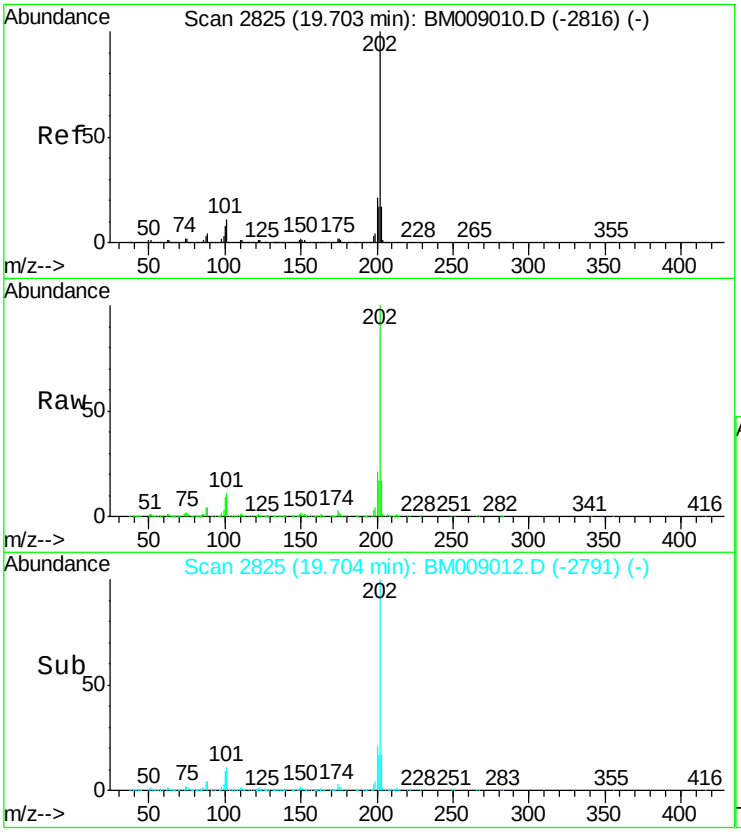


#74
Fluoranthene
Concen: 20.41 ng/ul
RT: 19.34 min Scan# 2763
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:202 Resp: 1486623

Ion	Ratio	Lower	Upper
202	100		
101	8.0	5.7	8.5
100	7.1	4.6	7.0#



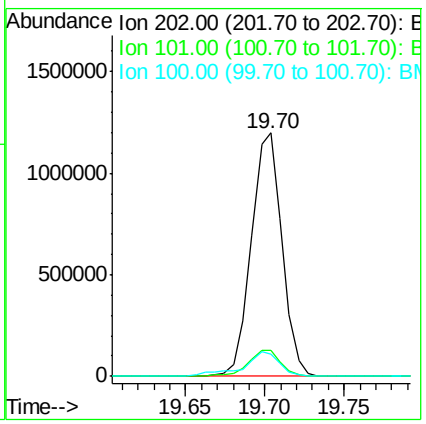


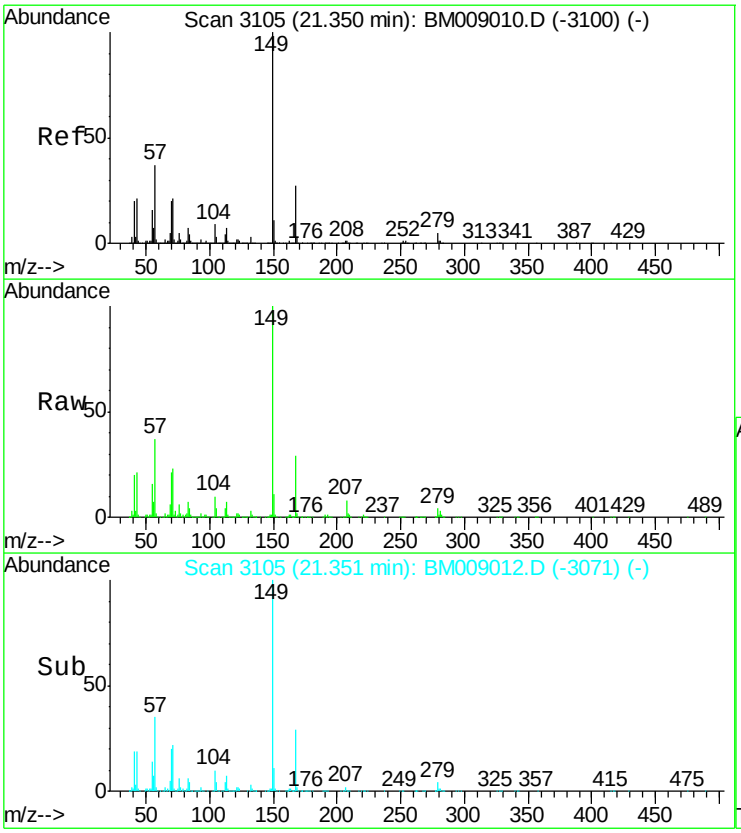
#77
Pyrene
Concen: 21.58 ng/ul
RT: 19.70 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:202 Resp: 1617064

Ion	Ratio	Lower	Upper
202	100		
101	10.6	6.2	9.4#
100	9.1	6.4	9.6

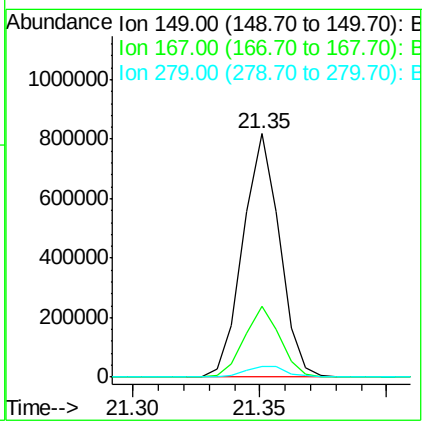


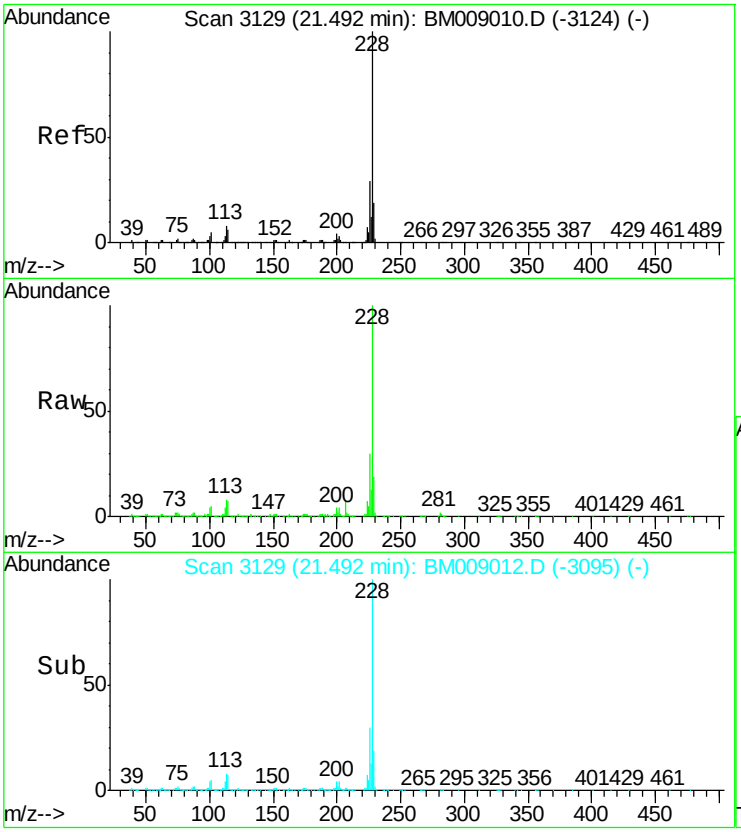


#81
Bis(2-ethylhexyl)phthalate
Concen: 20.98 ng/ul
RT: 21.35 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:149 Resp: 819897

Ion	Ratio	Lower	Upper
149	100		
167	28.8	20.2	30.2
279	4.4	4.0	6.0



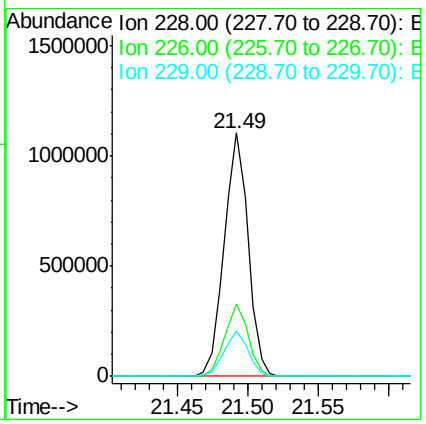


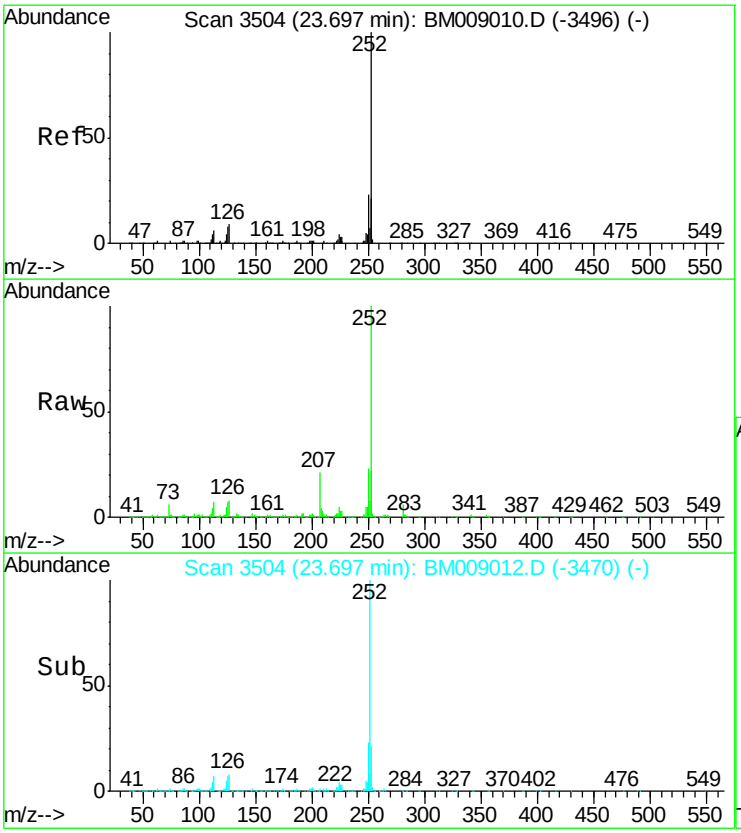
#82
Chrysene
Concen: 17.81 ng/ul
RT: 21.49 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:228 Resp: 1295820

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	18.6	15.4	23.2

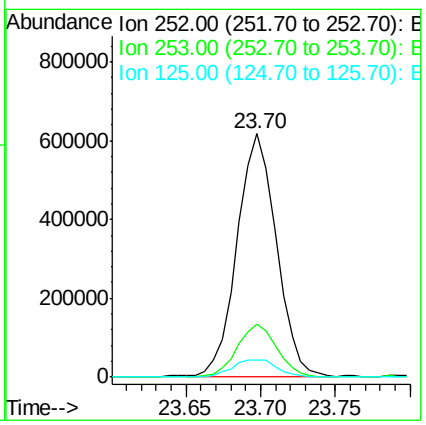


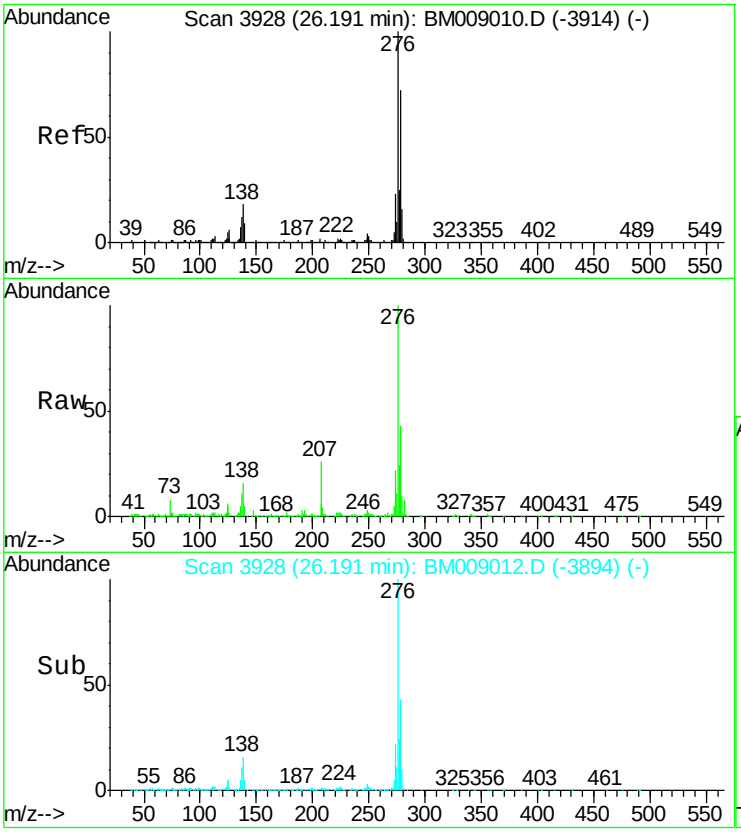


#88
Benzo(a)pyrene
Concen: 16.08 ng/ul
RT: 23.70 min Scan# 3504
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:252 Resp: 1119779

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	6.8	3.7	5.5#



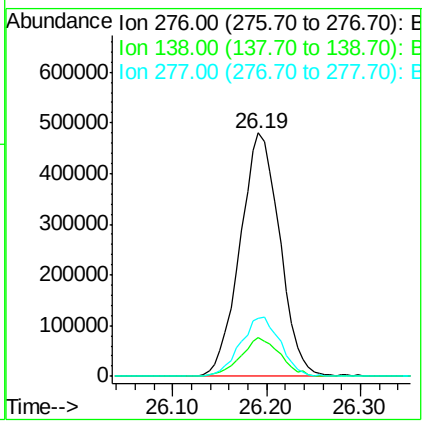


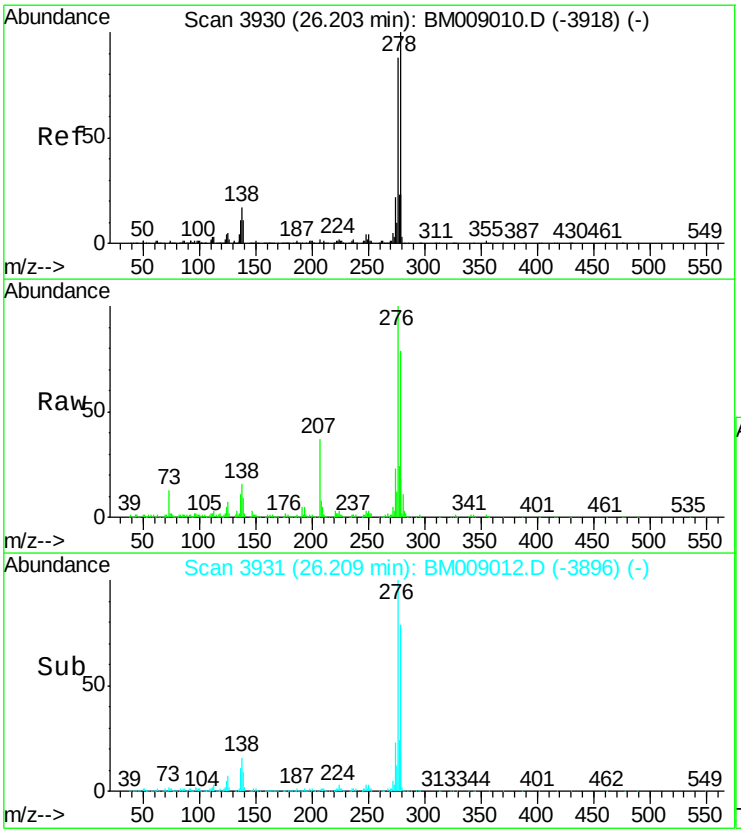
#89
Indeno(1,2,3-cd)pyrene
Concen: 17.73 ng/ul
RT: 26.19 min Scan# 3928
Delta R.T. 0.00 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Instrument :
BNA_M
ClientSampleId :
DABP4

Tgt Ion:276 Resp: 1402353

Ion	Ratio	Lower	Upper
276	100		
138	15.7	8.2	12.2#
277	24.0	21.5	32.3





#90
Dibenzo(a,h)anthracene
Concen: 11.15 ng/ul
RT: 26.21 min Scan# 3931
Delta R.T. 0.01 min
Lab File: BM009012.D
Acq: 24 Feb 2017 11:37

Tgt Ion:278 Resp: 751044

Ion	Ratio	Lower	Upper
278	100		
139	14.0	5.8	8.8#
279	22.6	17.9	26.9