Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM004993.D
Acq On : 20 Apr 2016 16:08
Operator : UM/SJ
Sample : H2566-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2390

Quant Time: Apr 21 17:02:42 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 15 22:59:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	32587	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	143757	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	83754	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	191870	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	223789	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	214486	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	1169	1.92	ng/uL	0.00
5) Phenol-d5	6.98	99	63843	27.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	42901	32.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	55522	28.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	50153	26.10	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	26585	27.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	17334	16.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	52835	27.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	4741	2.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	73283	12.86	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	247729	35.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	8271	8.51	ng/ul	0.00
57) Fluorene-d10	15.44	176	192792	39.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	3200	3.86	ng/ul	0.00
70) Anthracene-d10	17.29	188	329348	43.20	ng/ul	0.00
76) Pyrene-d10	19.59	212	389472	41.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	360992	43.70	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.23	93	74670	39.69	ng/ul	99
10) 2-Chlorophenol	7.37	128	8036	4.02	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.33	45	70488	30.18	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.60	70	9781	6.45	ng/ul	95
17) Hexachloroethane	8.88	117	12945	16.53	ng/ul	90
21) Isophorone	9.52	82	16495	3.91	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.01	93	99471	37.53	ng/ul	99
27) 2,4-Dichlorophenol	10.25	162	25434	12.97	ng/ul	99
28) Naphthalene	10.65	128	51995	8.12	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	12.63	216	39035	16.32	ng/ul	98
37) Hexachlorocyclopentadiene	12.61	237	24196	18.90	ng/ul	94
39) 2,4,5-Trichlorophenol	12.94	196	31790	18.72	ng/ul	99
41) 2-Chloronaphthalene	13.32	162	118114	25.84	ng/ul	99
45) 2,6-Dinitrotoluene	14.02	165	27041	23.94	ng/ul	95
47) Acenaphthylene	14.17	152	64078	8.64	ng/ul	98
53) Dibenzofuran	14.85	168	82458	11.80	ng/ul	99
54) 2,4-Dinitrotoluene	14.81	165	13846	8.61	ng/ul#	95
58) Fluorene	15.49	166	167622	31.18	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.49	204	41285	15.32	ng/ul	97
65) 4-Bromophenyl-phenylether	16.39	248	32961	18.69	ng/ul	97
66) Hexachlorobenzene	16.50	284	31332	15.86	ng/ul	97
68) Pentachlorophenol	16.84	266	24345	22.42	ng/ul	98
71) Anthracene	17.32	178	139626	15.42	ng/ul	98

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Sample : H2566-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2390

Quant Time: Apr 21 17:02:42 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 15 22:59:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	17.60	167	116766	15.31	ng/ul	99
78) Butylbenzylphthalate	20.51	149	80230	17.54	ng/ul	98
80) Benzo(a)anthracene	21.36	228	282374	25.61	ng/ul	100
84) Di-n-octyl phthalate	22.18	149	211336	20.53	ng/ul	98
85) Benzo(b)fluoranthene	22.97	252	322008	30.26	ng/ul	99
86) Benzo(k)fluoranthene	23.02	252	151324	14.75	ng/ul	99

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

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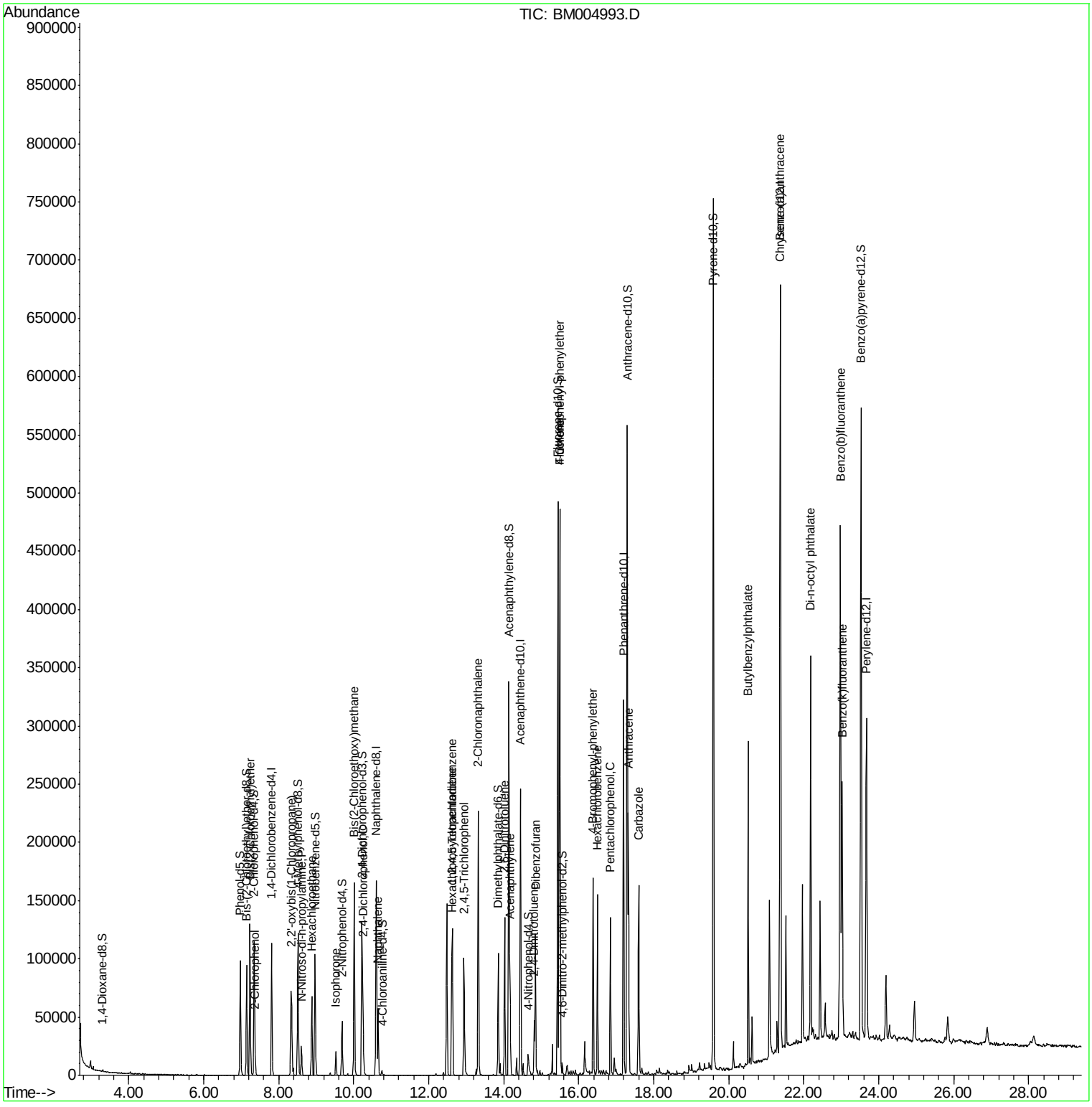
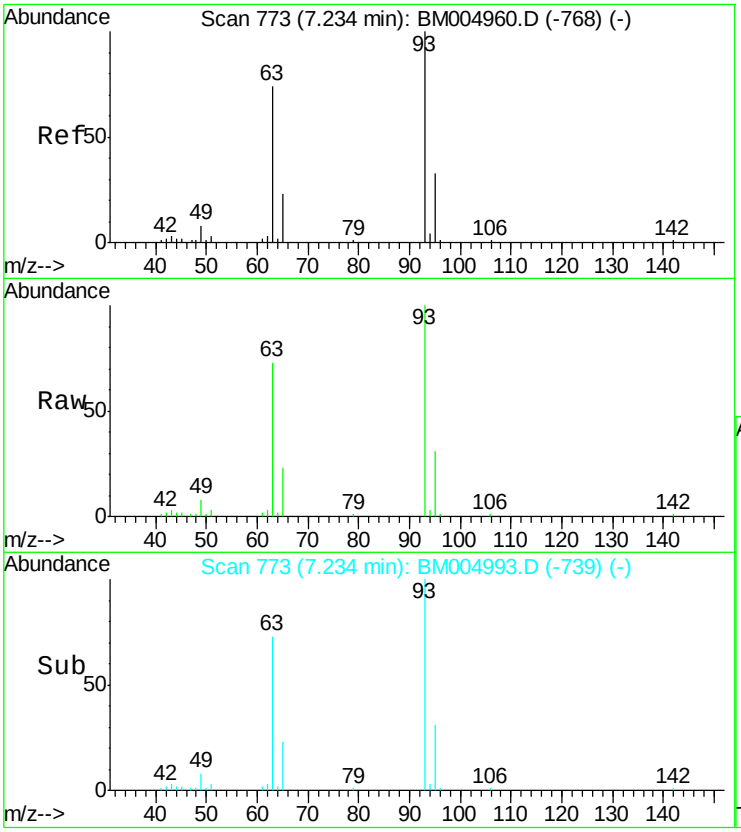


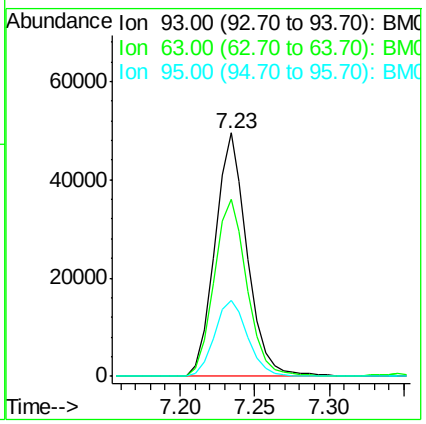


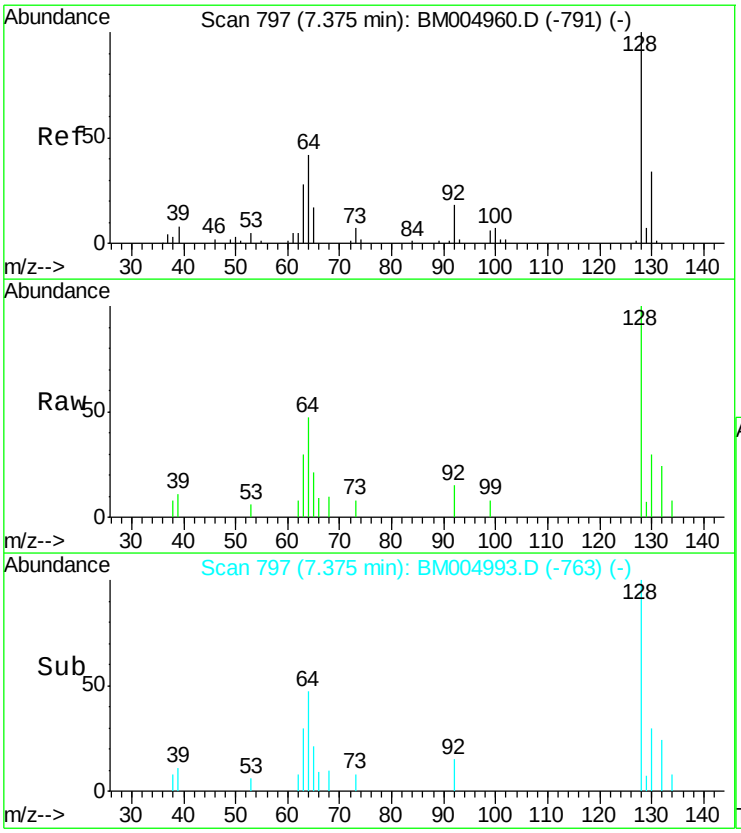
#8
Bis(2-Chloroethyl)ether
Concen: 39.69 ng/ul
RT: 7.23 min Scan# 773
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion: 93 Resp: 74670

Ion	Ratio	Lower	Upper
93	100		
63	72.9	59.3	88.9
95	31.3	25.4	38.0

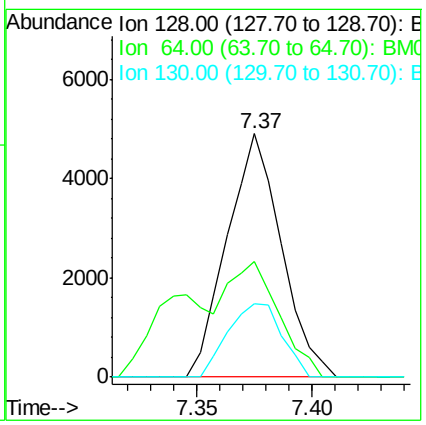


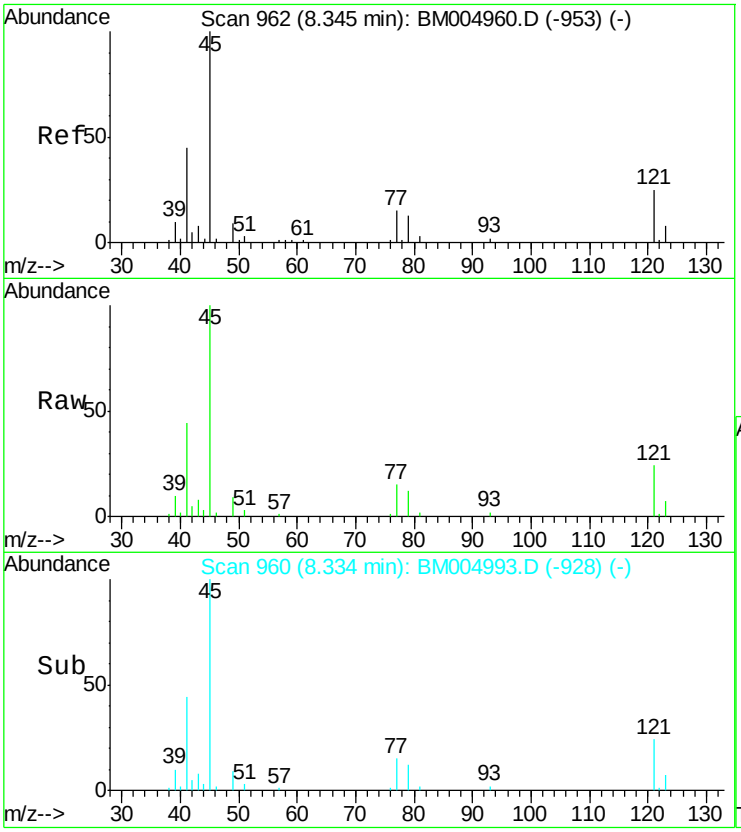


#10
2-Chlorophenol
Concen: 4.02 ng/ul
RT: 7.37 min Scan# 797
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:128 Resp: 8036

Ion	Ratio	Lower	Upper
128	100		
64	47.3	35.7	53.5
130	30.4	25.9	38.9



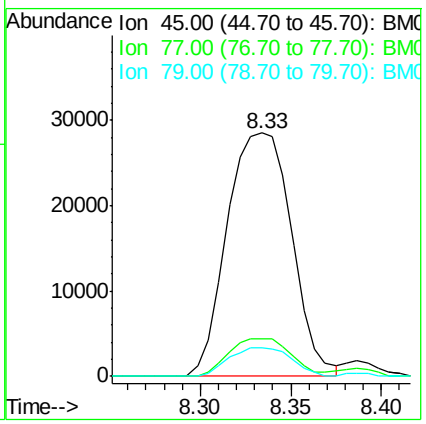


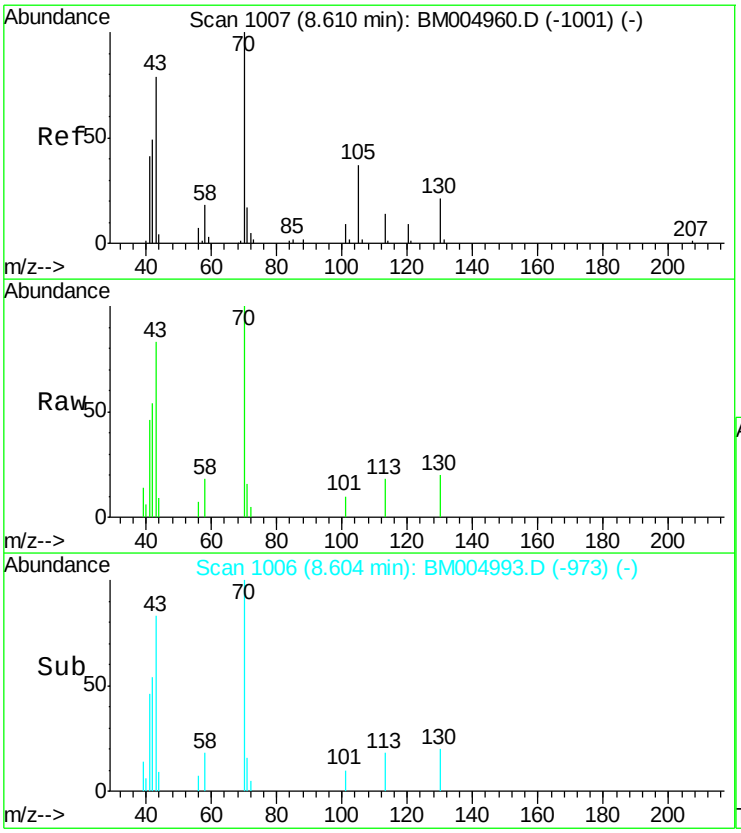
#12
2,2'-oxybis(1-Chloropropane)
Concen: 30.18 ng/ul
RT: 8.33 min Scan# 960
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion: 45 Resp: 70488

Ion	Ratio	Lower	Upper
45	100		
77	15.2	12.6	18.8
79	11.6	9.9	14.9

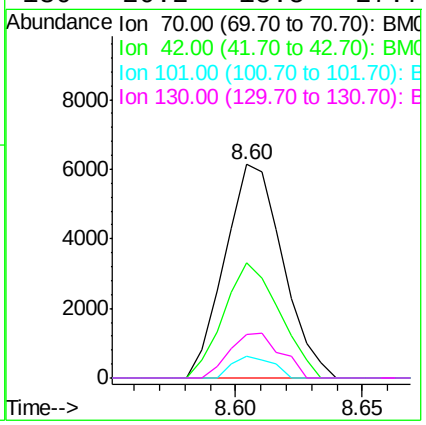


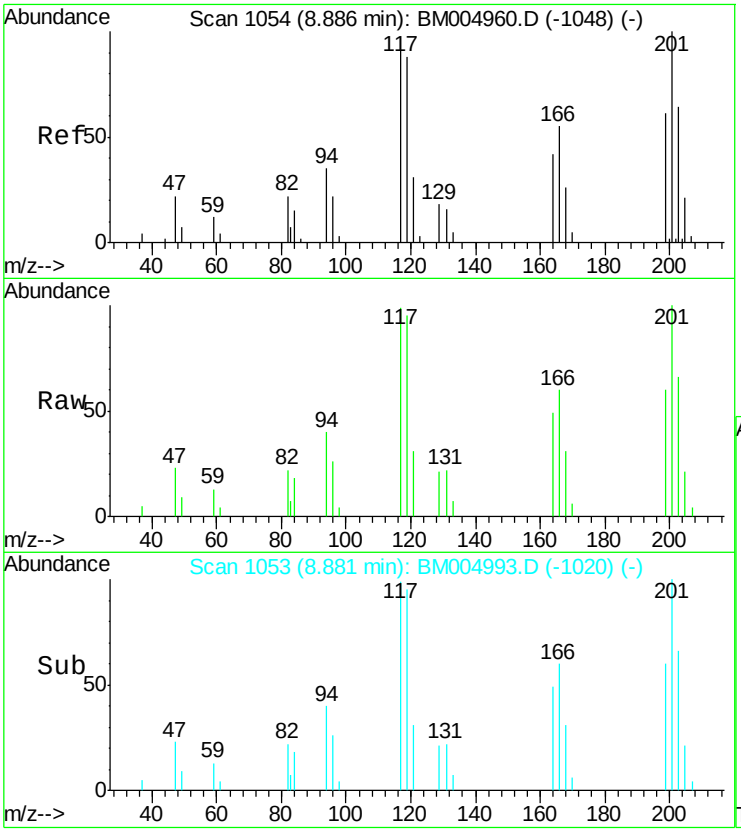


#15
N-Nitroso-di-n-propylamine
Concen: 6.45 ng/ul
RT: 8.60 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion: 70 Resp: 9781

Ion	Ratio	Lower	Upper
70	100		
42	54.1	40.6	60.8
101	10.3	8.2	12.4
130	20.2	18.5	27.7



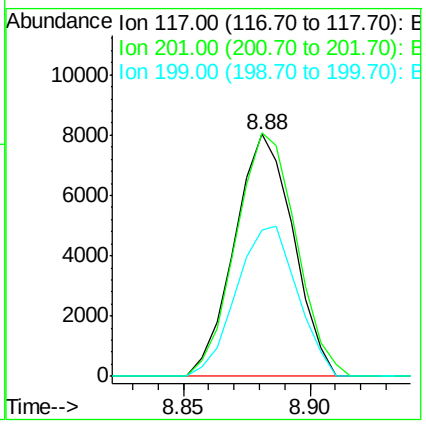


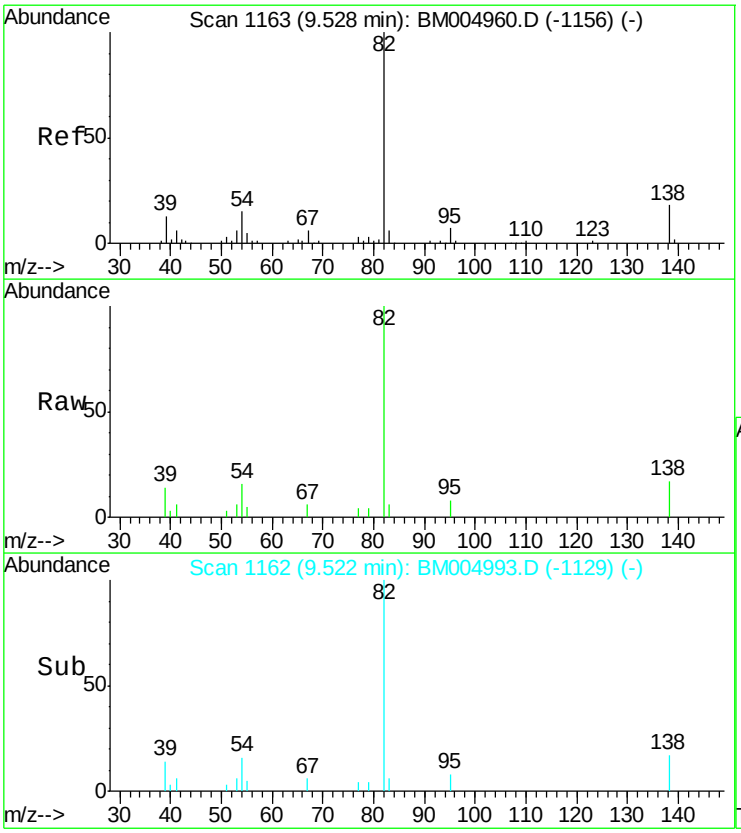
#17
Hexachloroethane
Concen: 16.53 ng/ul
RT: 8.88 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:117 Resp: 12945

Ion	Ratio	Lower	Upper
117	100		
201	100.7	88.5	132.7
199	60.4	55.4	83.2

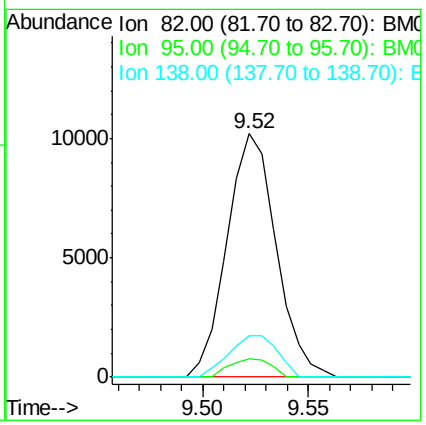


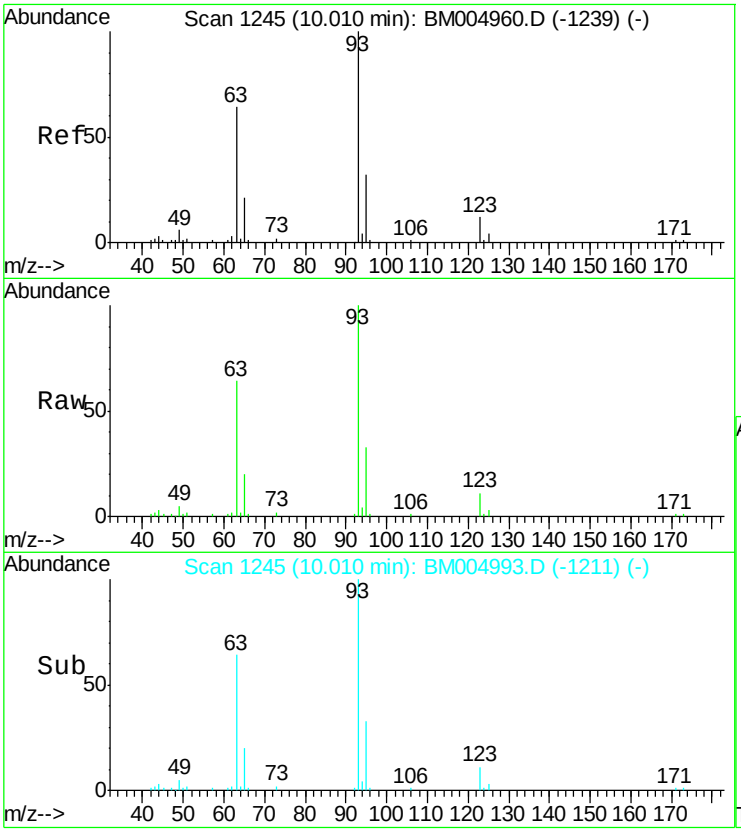


#21
Isophorone
Concen: 3.91 ng/ul
RT: 9.52 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion: 82 Resp: 16495

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.0	9.0
138	16.9	14.6	22.0



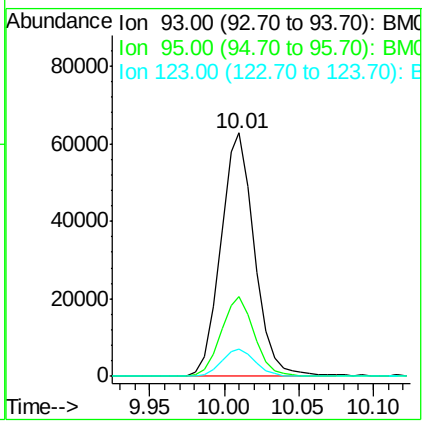


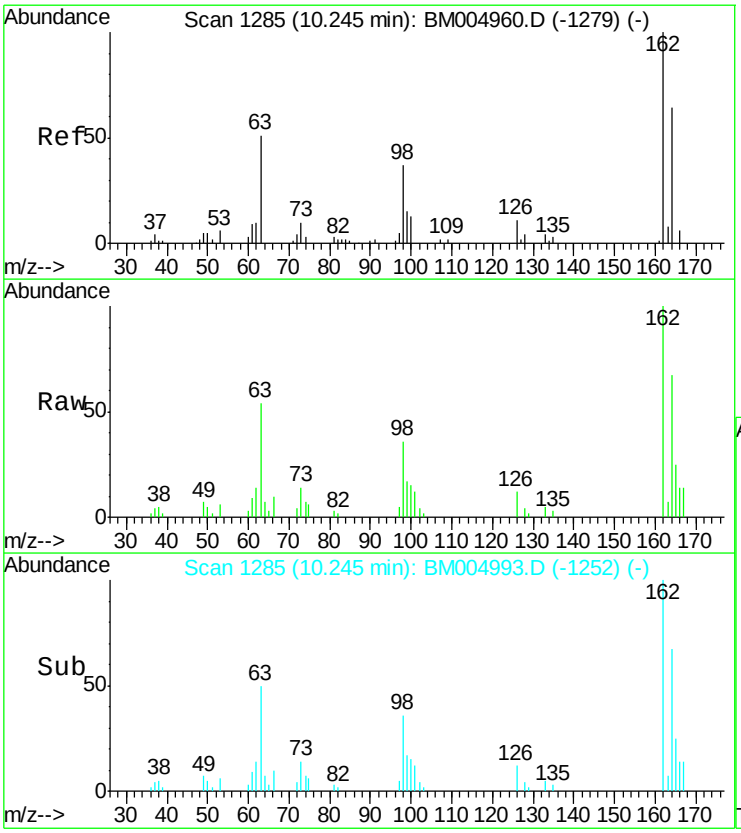
#25
Bis(2-Chloroethoxy)methane
Concen: 37.53 ng/ul
RT: 10.01 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion: 93 Resp: 99471

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	11.1	9.4	14.0

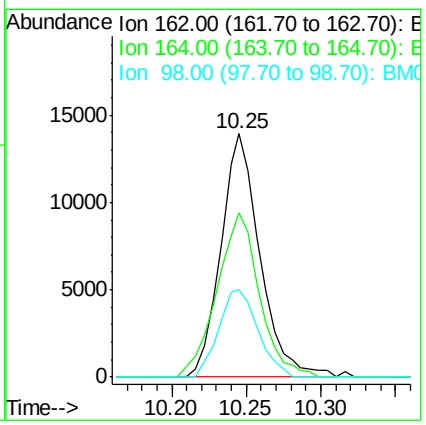


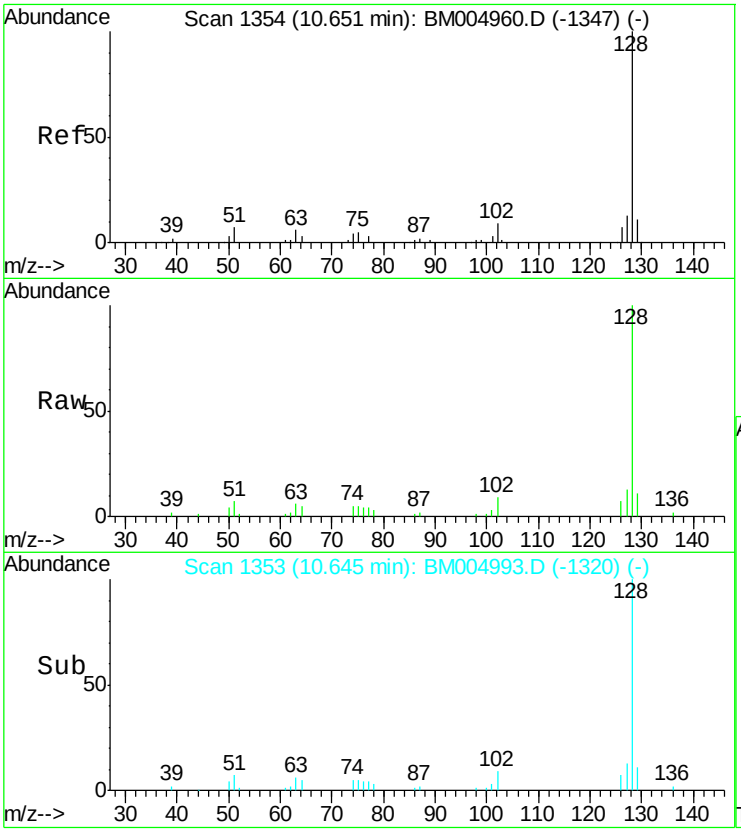


#27
2,4-Dichlorophenol
Concen: 12.97 ng/ul
RT: 10.25 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:162 Resp: 25434

Ion	Ratio	Lower	Upper
162	100		
164	67.2	52.9	79.3
98	35.8	28.3	42.5



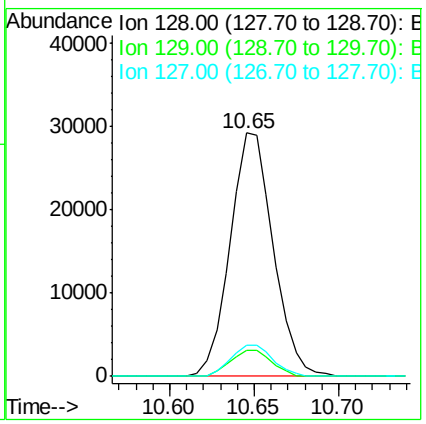


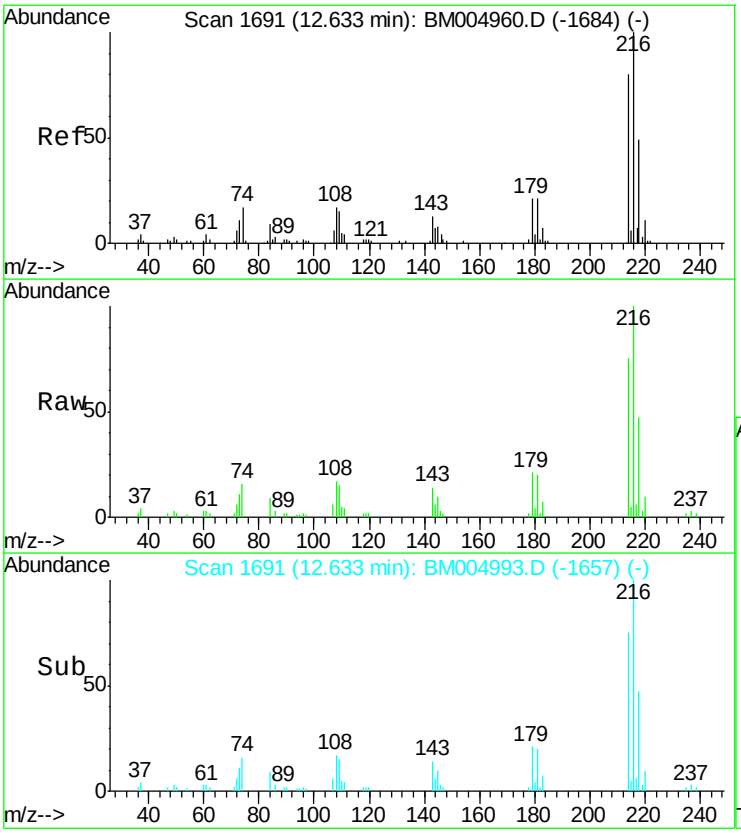
#28
Naphthalene
Concen: 8.12 ng/ul
RT: 10.65 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:128 Resp: 51995

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.0	10.6	15.8

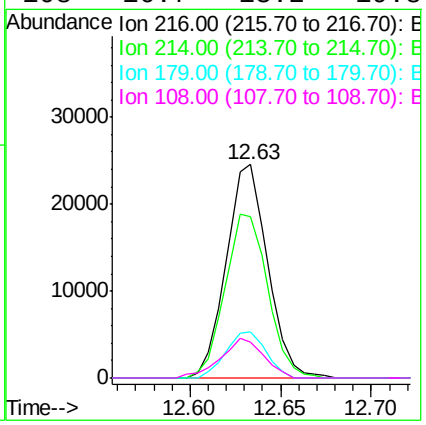


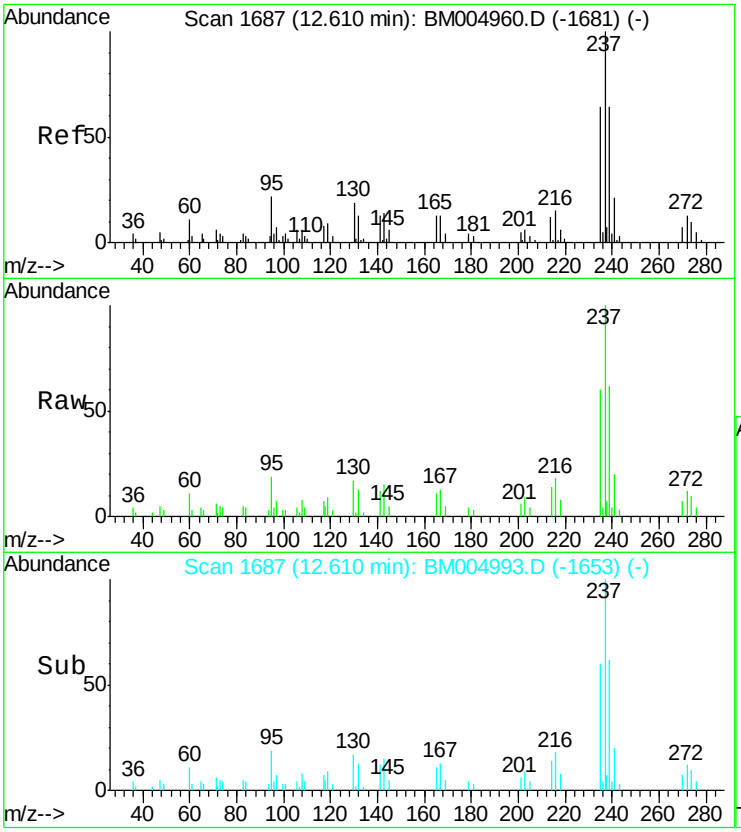


#36
1,2,4,5-Tetrachlorobenzene
Concen: 16.32 ng/ul
RT: 12.63 min Scan# 1691
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:216 Resp: 39035

Ion	Ratio	Lower	Upper
216	100		
214	75.3	61.9	92.9
179	21.5	16.9	25.3
108	16.7	13.2	19.8



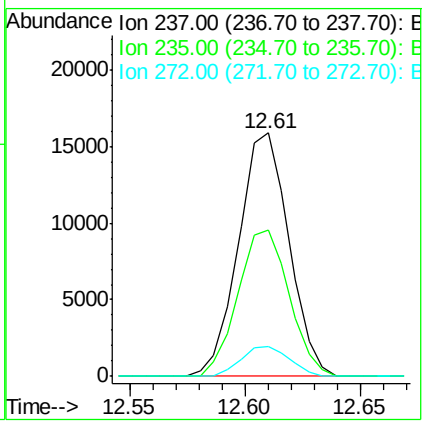


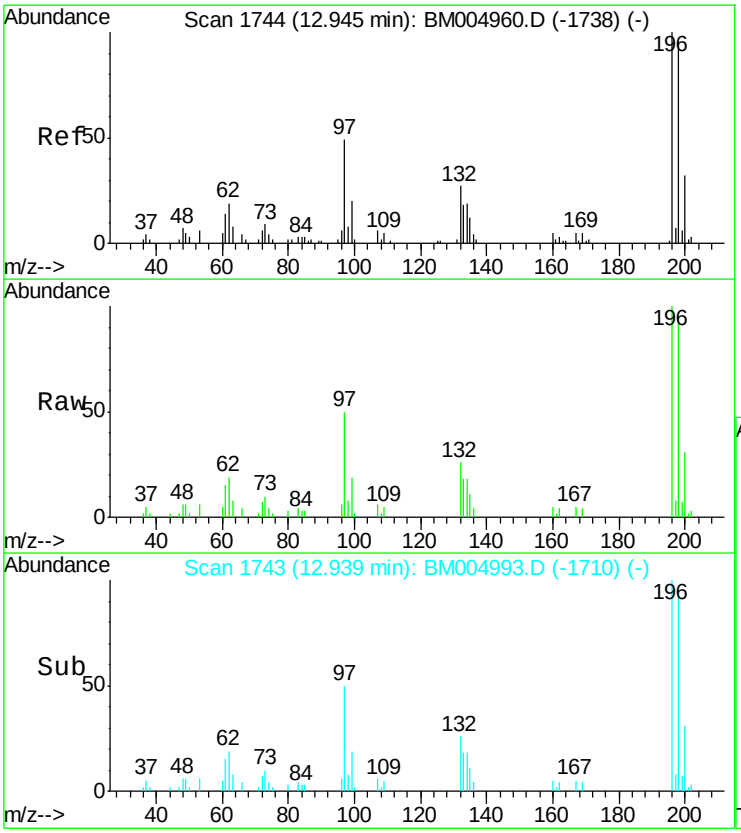
#37
Hexachlorocyclopentadiene
Concen: 18.90 ng/ul
RT: 12.61 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:237 Resp: 24196

Ion	Ratio	Lower	Upper
237	100		
235	60.2	52.7	79.1
272	12.3	10.2	15.4

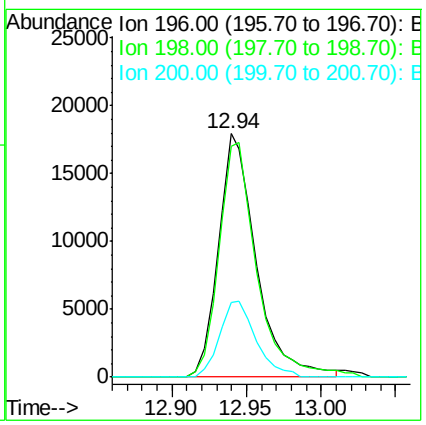


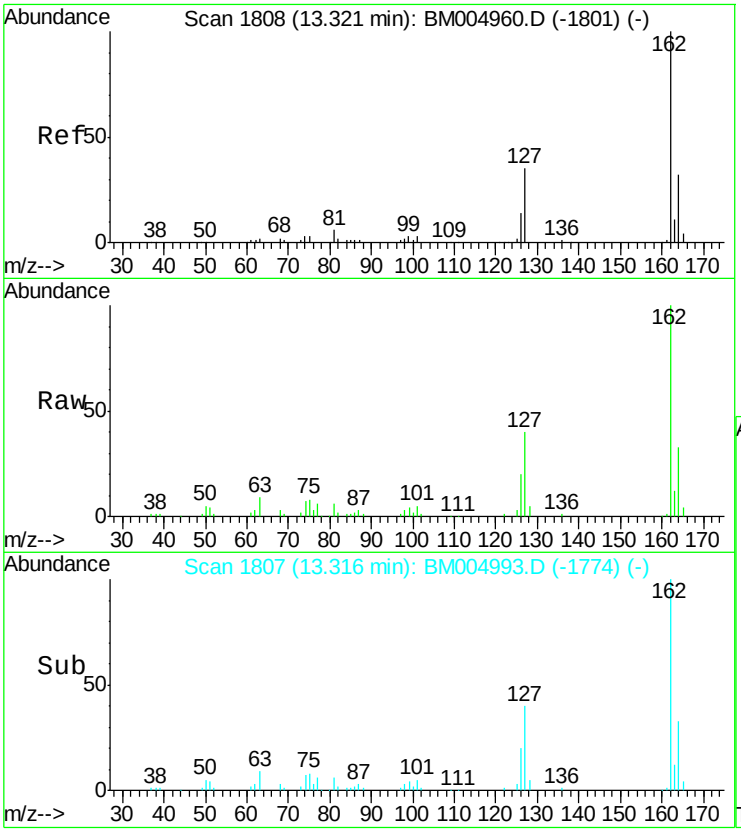


#39
2,4,5-Trichlorophenol
Concen: 18.72 ng/ul
RT: 12.94 min Scan# 1743
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:196 Resp: 31790

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.7	115.1
200	30.9	25.4	38.0



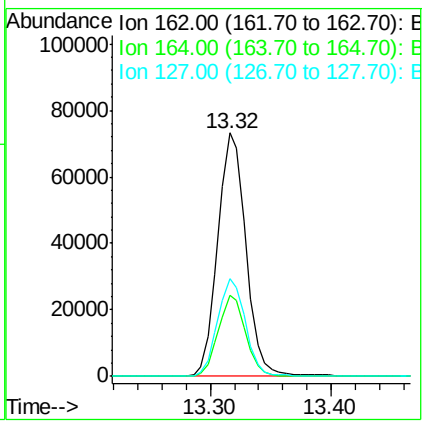


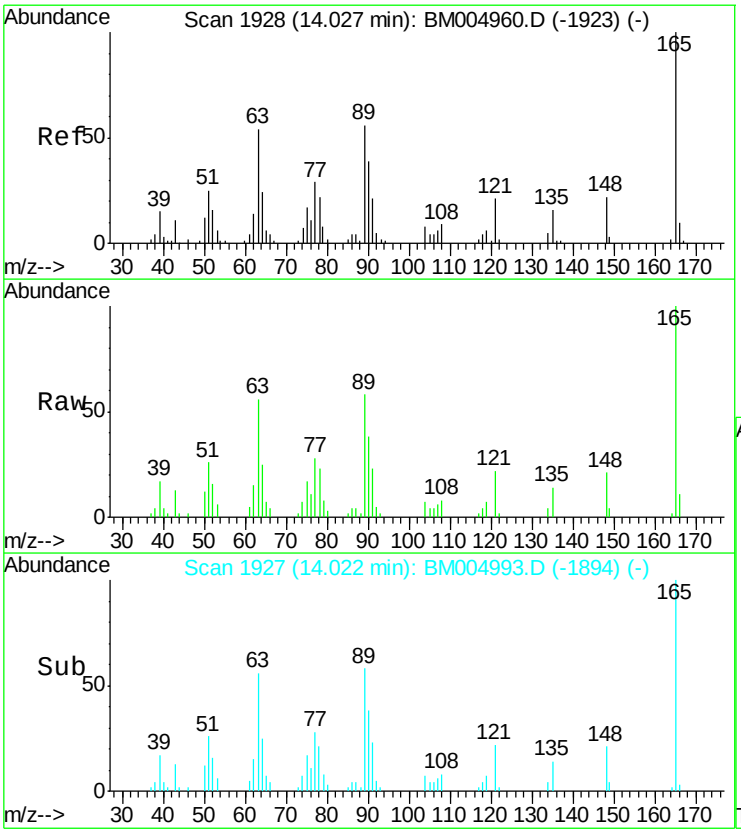
#41
2-Chloronaphthalene
Concen: 25.84 ng/ul
RT: 13.32 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:162 Resp: 118114

Ion	Ratio	Lower	Upper
162	100		
164	33.5	25.8	38.8
127	40.2	32.3	48.5

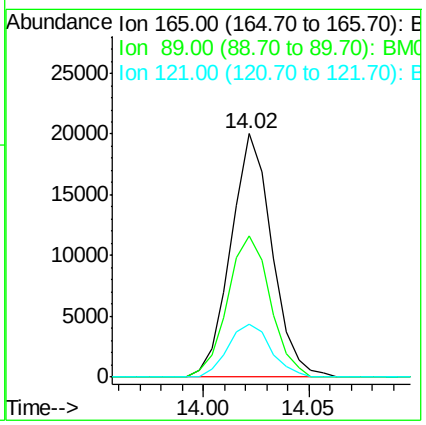


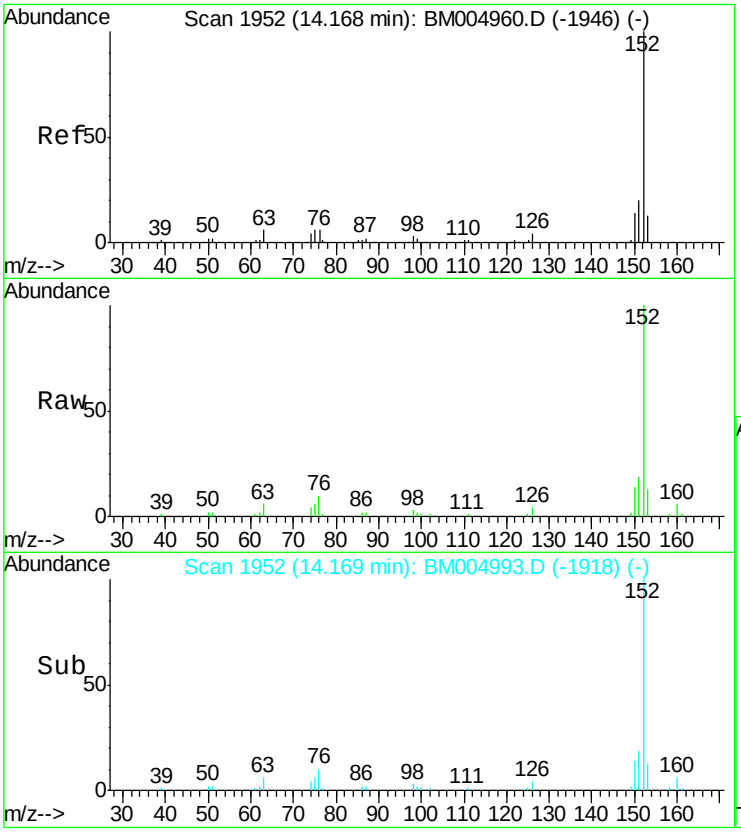


#45
2,6-Dinitrotoluene
Concen: 23.94 ng/ul
RT: 14.02 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:165 Resp: 27041

Ion	Ratio	Lower	Upper
165	100		
89	57.8	43.1	64.7
121	21.9	16.0	24.0



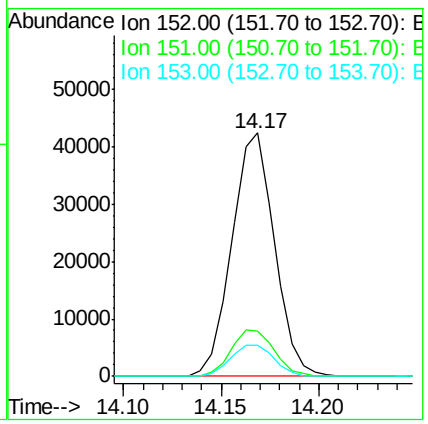


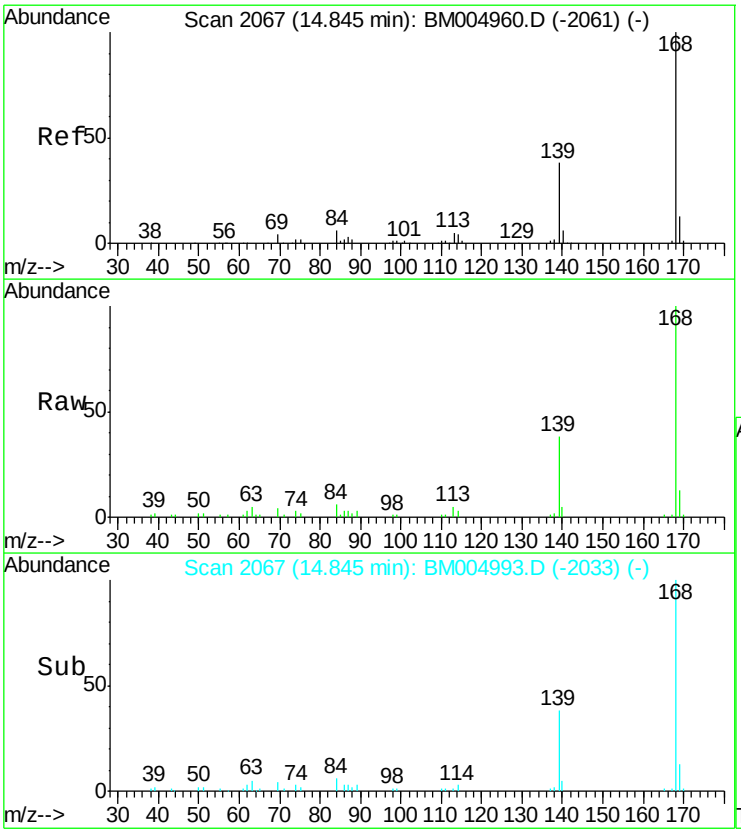
#47
Acenaphthylene
Concen: 8.64 ng/ul
RT: 14.17 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:152 Resp: 64078

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.8	23.8
153	12.9	10.3	15.5

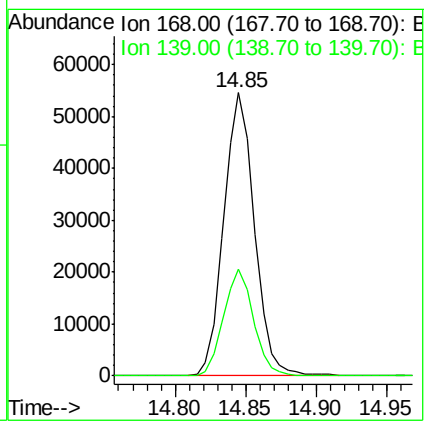


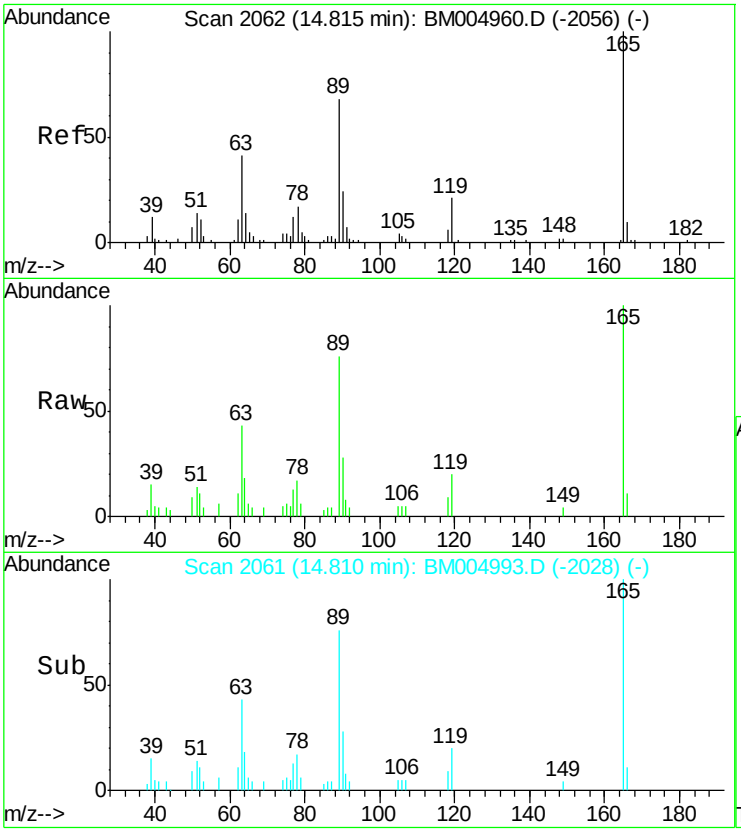


#53
Dibenzofuran
Concen: 11.80 ng/ul
RT: 14.85 min Scan# 2067
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:168 Resp: 82458

Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.9	44.9



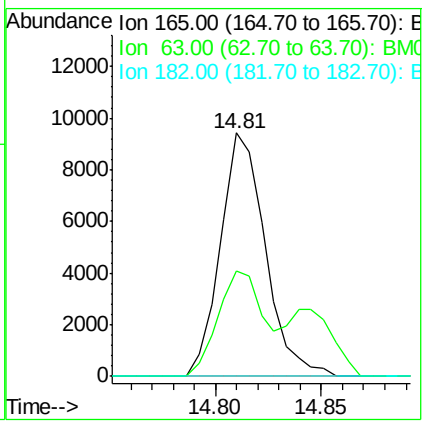


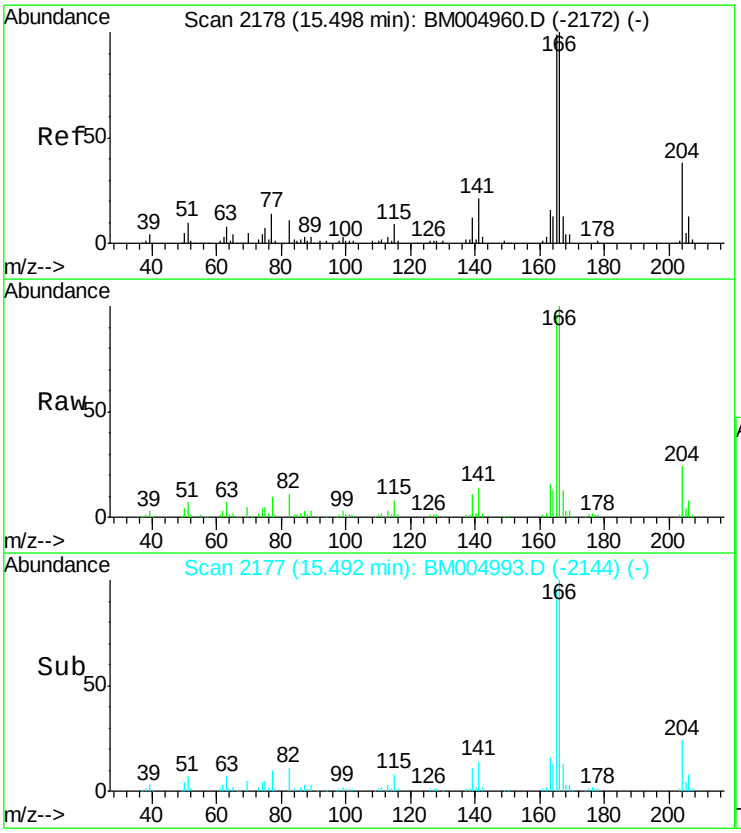
#54
2,4-Dinitrotoluene
Concen: 8.61 ng/ul
RT: 14.81 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:165 Resp: 13846

Ion	Ratio	Lower	Upper
165	100		
63	43.4	32.1	48.1
182	0.0	2.2	3.4#

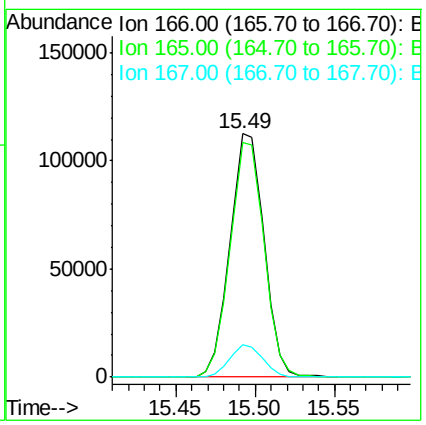


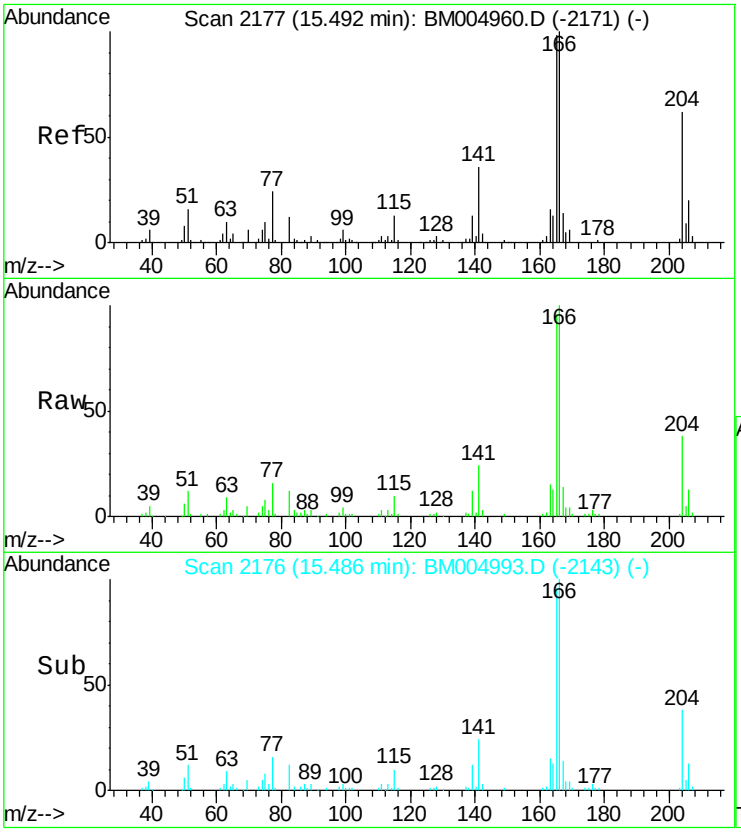


#58
Fluorene
Concen: 31.18 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:166 Resp: 167622

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.7	116.5
167	13.4	10.9	16.3



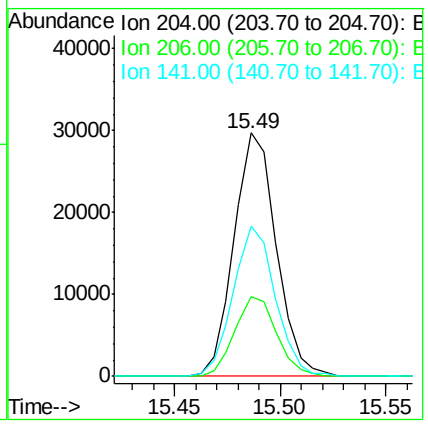


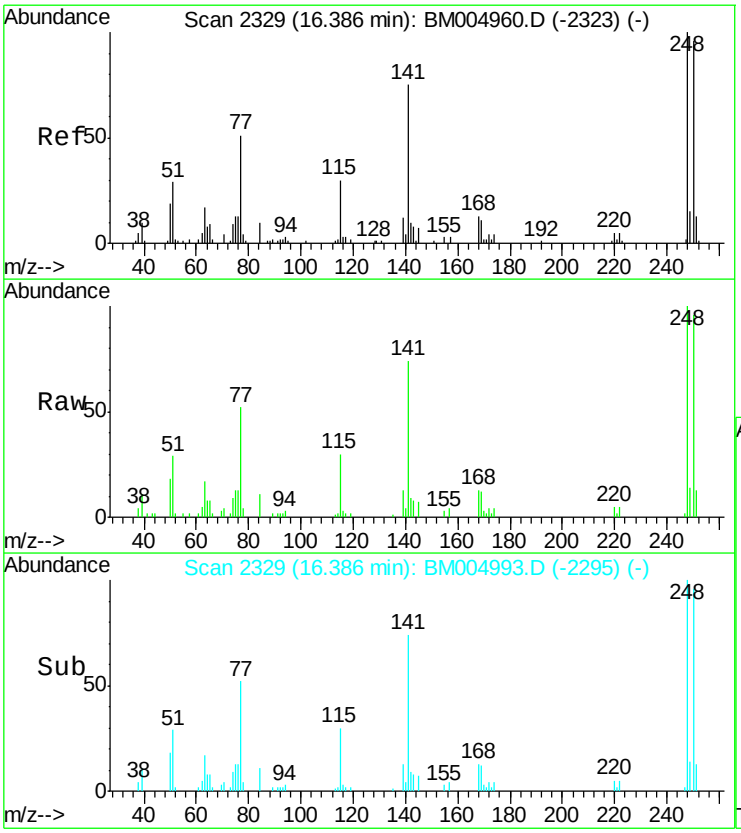
#59
4-Chlorophenyl-phenylether
Concen: 15.32 ng/ul
RT: 15.49 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:204 Resp: 41285

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	61.9	47.2	70.8

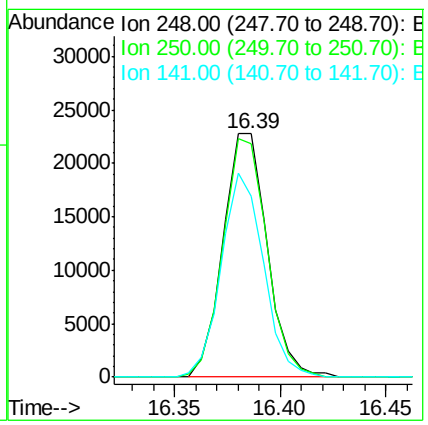


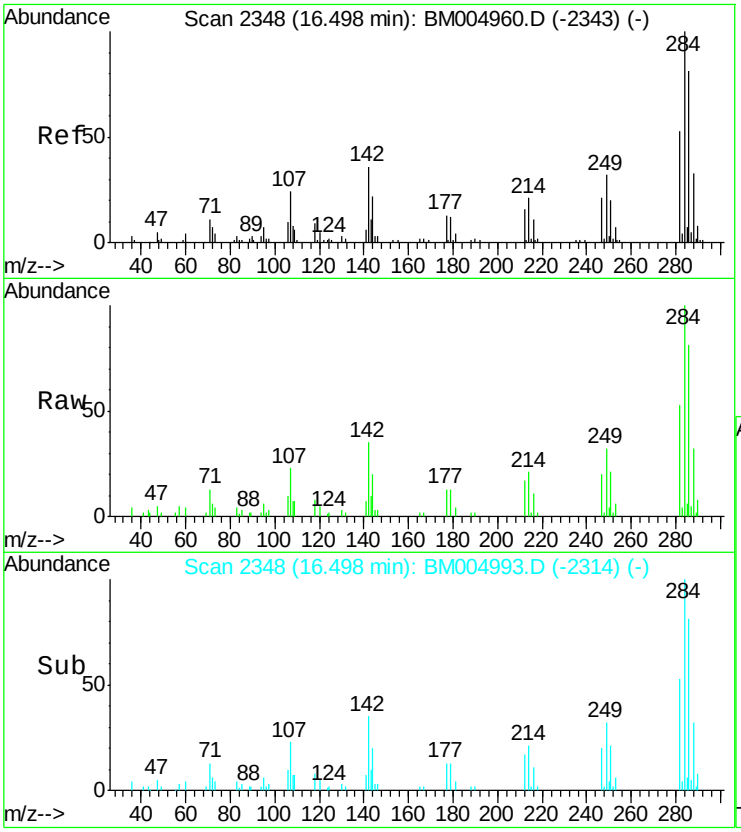


#65
4-Bromophenyl-phenylether
Concen: 18.69 ng/ul
RT: 16.39 min Scan# 2329
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:248 Resp: 32961

Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.8	116.6
141	74.2	62.7	94.1



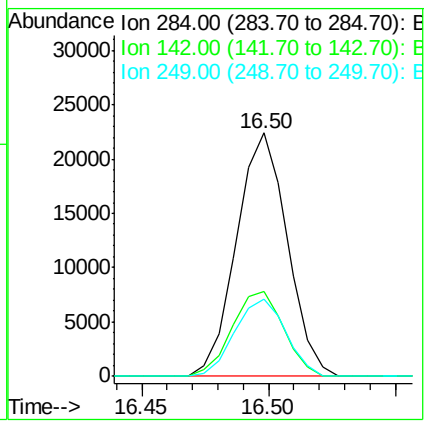


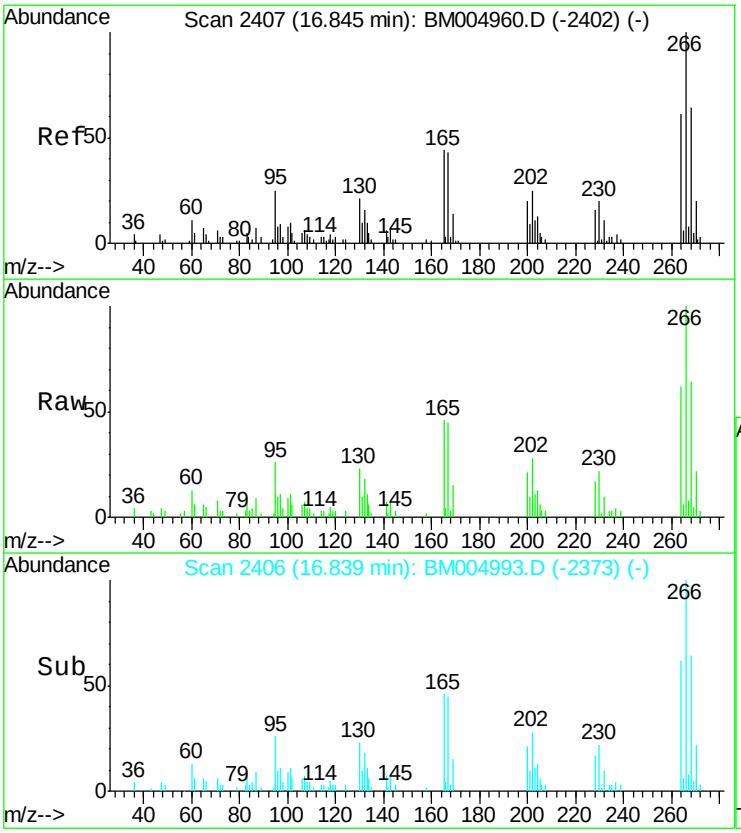
#66
Hexachlorobenzene
Concen: 15.86 ng/ul
RT: 16.50 min Scan# 2348
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:284 Resp: 31332

Ion	Ratio	Lower	Upper
284	100		
142	34.9	29.8	44.8
249	31.9	25.9	38.9

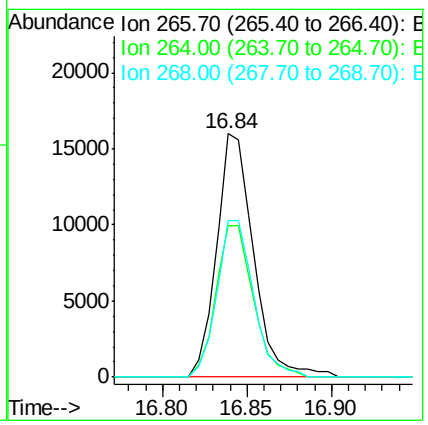


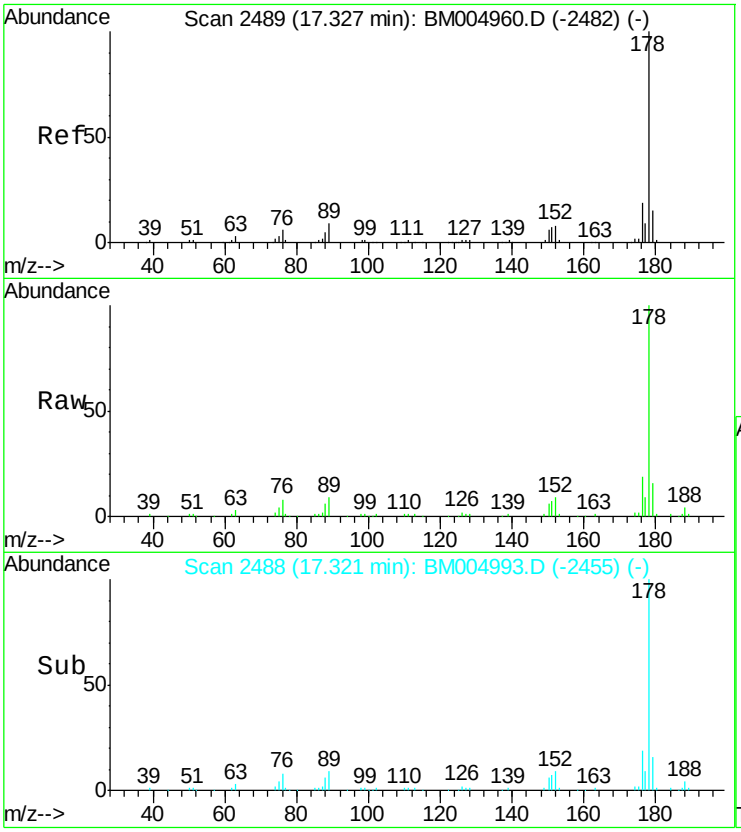


#68
Pentachlorophenol
Concen: 22.42 ng/ul
RT: 16.84 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:266 Resp: 24345

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.8	74.6
268	64.4	49.6	74.4



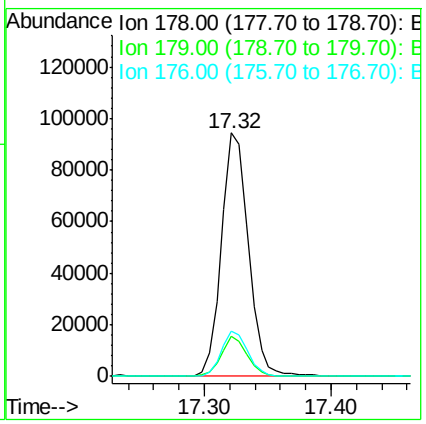


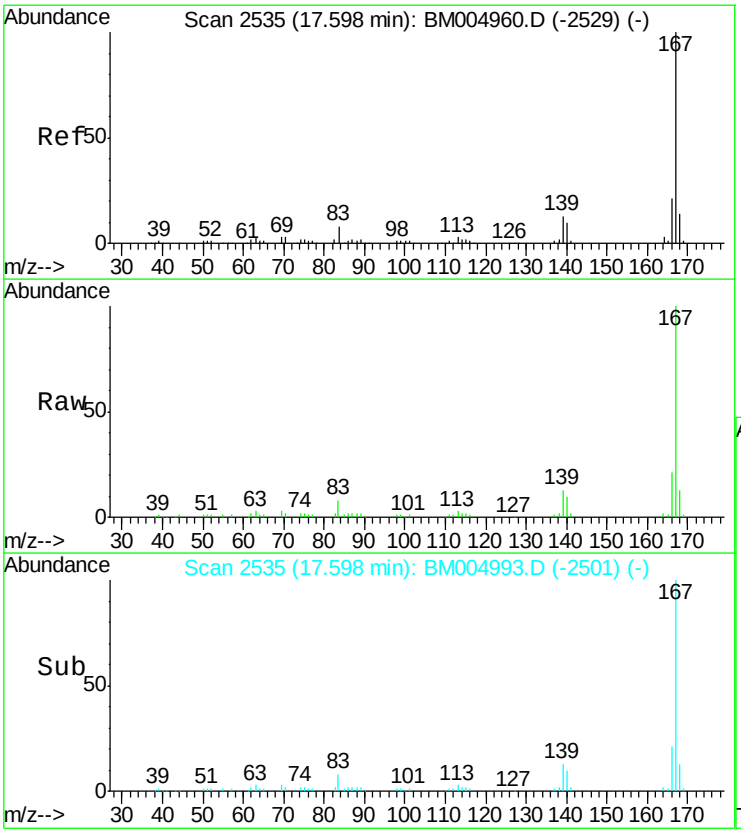
#71
Anthracene
Concen: 15.42 ng/ul
RT: 17.32 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:178 Resp: 139626

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.1	18.1
176	18.8	14.6	22.0

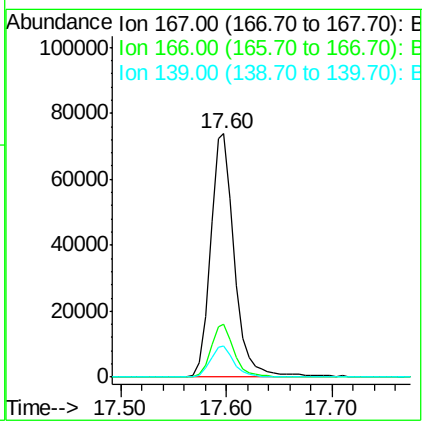


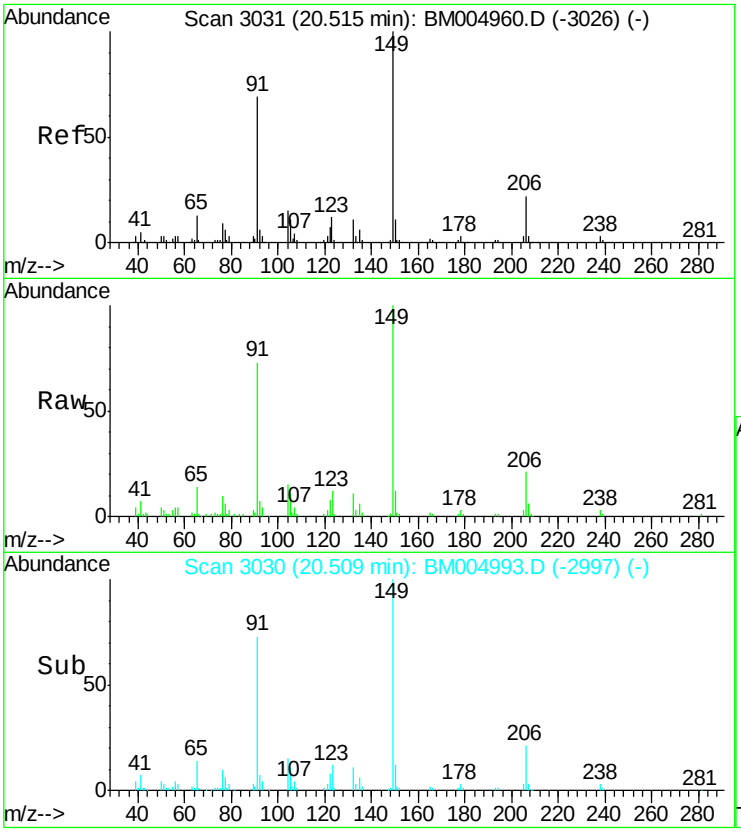


#72
Carbazole
Concen: 15.31 ng/ul
RT: 17.60 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:167 Resp: 116766

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.6	25.0
139	12.6	10.2	15.4



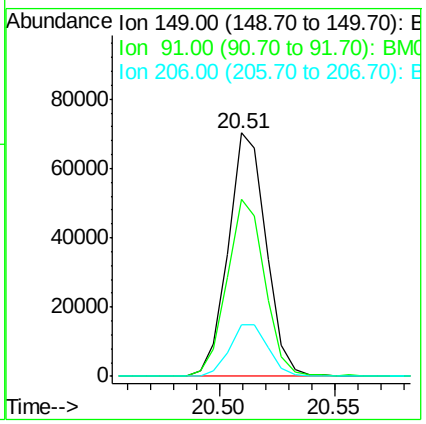


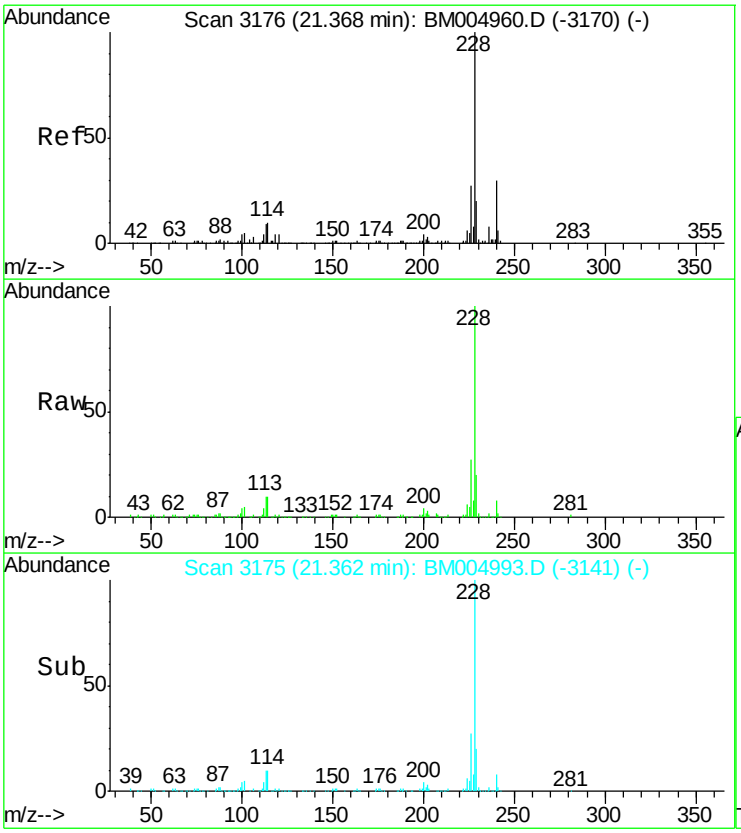
#78
Butylbenzylphthalate
Concen: 17.54 ng/ul
RT: 20.51 min Scan# 3030
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:149 Resp: 80230

Ion	Ratio	Lower	Upper
149	100		
91	72.8	57.0	85.6
206	21.1	16.6	24.8

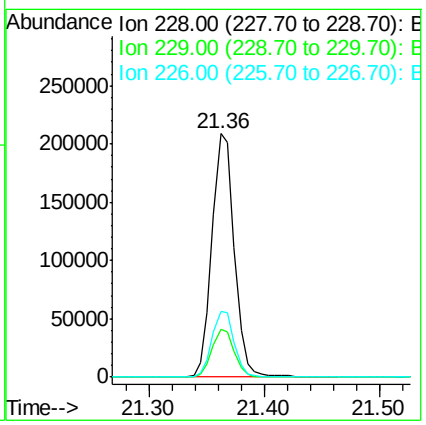


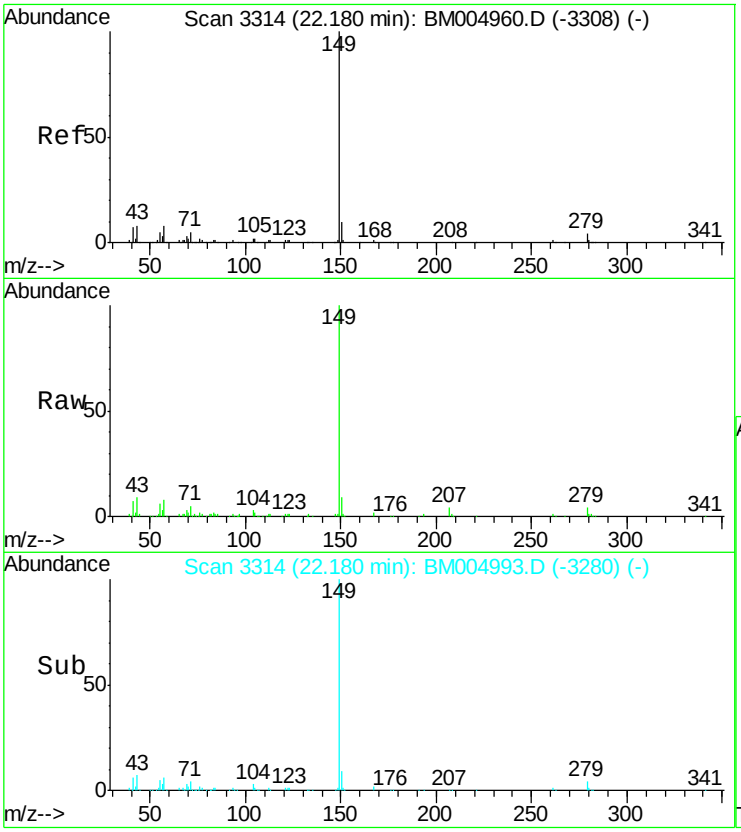


#80
Benzo(a)anthracene
Concen: 25.61 ng/ul
RT: 21.36 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:228 Resp: 282374

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.6
226	27.0	21.5	32.3



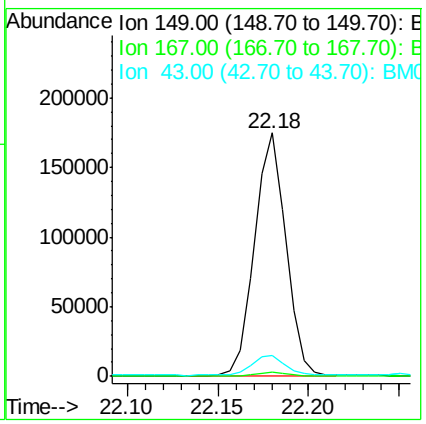


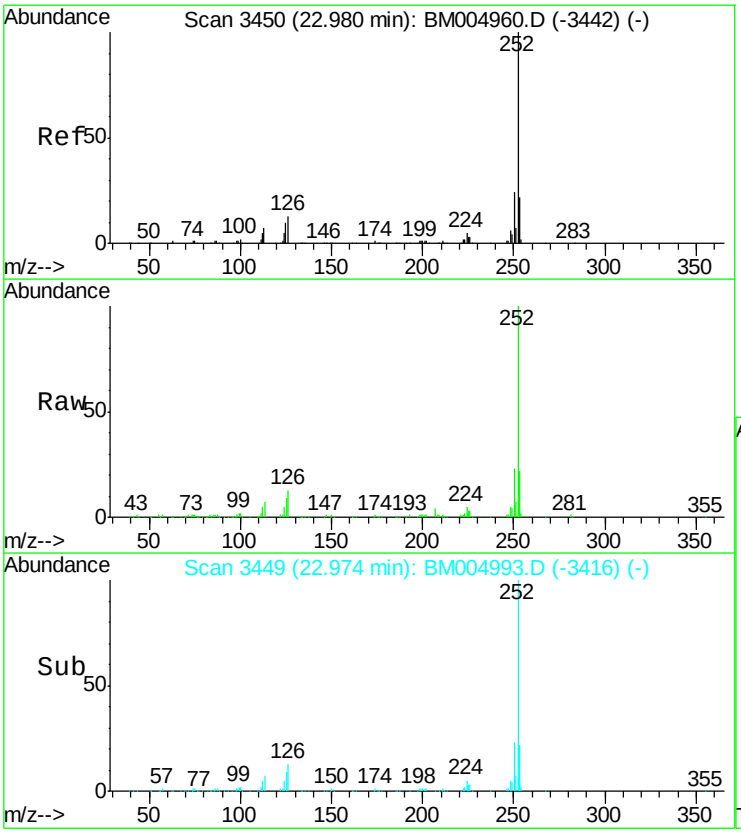
#84
Di-n-octyl phthalate
Concen: 20.53 ng/ul
RT: 22.18 min Scan# 3314
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:149 Resp: 211336

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.7	6.4	9.6

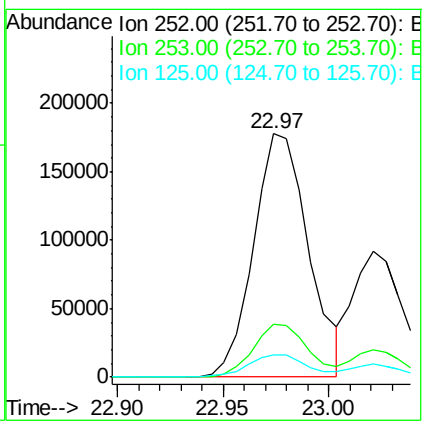


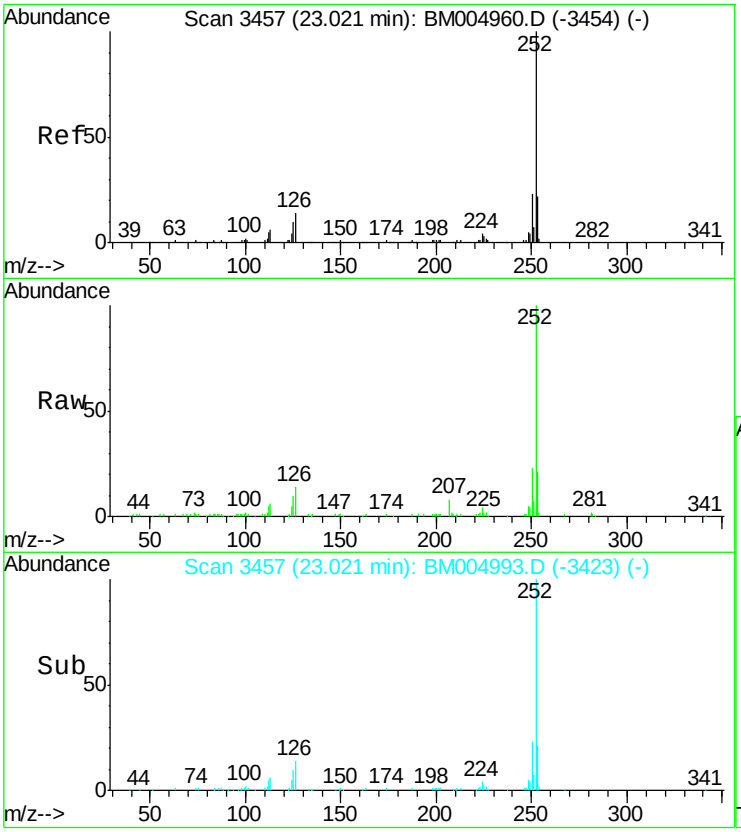


#85
Benzo(b)fluoranthene
Concen: 30.26 ng/ul
RT: 22.97 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Tgt Ion:252 Resp: 322008

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.3	7.8	11.6





#86
Benzo(k)fluoranthene
Concen: 14.75 ng/ul
RT: 23.02 min Scan# 3457
Delta R.T. 0.00 min
Lab File: BM004993.D
Acq: 20 Apr 2016 16:08

Instrument :
BNA_M
ClientSampleId :
X2390

Tgt Ion:252 Resp: 151324

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.2	7.9	11.9