Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005247.D
Acq On : 05 May 2016 22:41
Operator : UM/SJ
Sample : H2813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q4

Quant Time: May 06 04:21:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 06 04:17:42 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	89128	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	436232	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	292491	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	719897	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	866576	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	842967	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	1897	1.00	ng/uL	0.00
5) Phenol-d5	6.95	99	39034	4.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	115725	25.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	121007	19.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	82878	12.40	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	82072	26.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	94964	26.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	157572	24.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	7927	1.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	621637	26.52	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	730751	26.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	15093	3.53	ng/ul	0.00
57) Fluorene-d10	15.41	176	549189	27.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	99975	24.69	ng/ul	0.00
70) Anthracene-d10	17.26	188	881473	27.70	ng/ul	0.00
76) Pyrene-d10	19.56	212	1045849	26.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	1046208	28.04	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	9465	2.74	ng/uL	97
8) Bis(2-Chloroethyl)ether	7.20	93	479	0.08	ng/ul#	74
12) 2,2'-oxybis(1-Chloropropan	8.47	45	260	0.03	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.47	70	1692	0.33	ng/ul#	1
20) Nitrobenzene	8.93	77	260	0.03	ng/ul#	41
21) Isophorone	9.65	82	7678	0.51	ng/ul#	72
28) Naphthalene	10.61	128	25851	1.18	ng/ul#	95
30) 4-Chloroaniline	10.62	127	3077	0.38	ng/ul#	10
34) 2-Methylnaphthalene	12.23	142	1871	0.11	ng/ul	88
45) 2,6-Dinitrotoluene	13.83	165	4219	0.91	ng/ul#	40
49) Acenaphthene	14.48	153	1995	0.10	ng/ul#	91
53) Dibenzofuran	14.82	168	2409	0.09	ng/ul	90
56) Diethylphthalate	15.24	149	2488	0.11	ng/ul#	86
58) Fluorene	15.46	166	2344	0.11	ng/ul#	95
63) 4,6-Dinitro-2-methylphenol	15.53	198	225	0.05	ng/ul#	1
64) N-Nitrosodiphenylamine	15.54	169	895	0.05	ng/ul#	66
69) Phenanthrene	17.20	178	14517	0.38	ng/ul	99
71) Anthracene	17.20	178	14517	0.38	ng/ul	99
72) Carbazole	17.58	167	2627	0.08	ng/ul#	87
73) Di-n-butylphthalate	18.13	149	37272	0.92	ng/ul	100
74) Fluoranthene	19.22	202	5221	0.12	ng/ul#	94
77) Pyrene	19.59	202	4473	0.09	ng/ul#	95
78) Butylbenzylphthalate	20.49	149	485	0.02	ng/ul#	87

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005247.D
Acq On : 05 May 2016 22:41
Operator : UM/SJ
Sample : H2813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q4

Quant Time: May 06 04:21:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 06 04:17:42 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
80) Benzo(a)anthracene	21.35	228	3007	0.06 ng/ul#	58
81) Bis(2-ethylhexyl)phthalate	21.26	149	4065	0.14 ng/ul#	98
82) Chrysene	21.39	228	622	0.01 ng/ul#	50
84) Di-n-octyl phthalate	22.16	149	89	0.00 ng/ul#	1
85) Benzo(b)fluoranthene	22.94	252	387	0.01 ng/ul#	2
86) Benzo(k)fluoranthene	22.99	252	373	0.01 ng/ul#	60
88) Benzo(a)pyrene	23.53	252	432	0.01 ng/ul#	60
89) Indeno(1,2,3-cd)pyrene	25.93	276	126	0.00 ng/ul#	49
90) Dibenzo(a,h)anthracene	25.94	278	116	0.00 ng/ul#	55

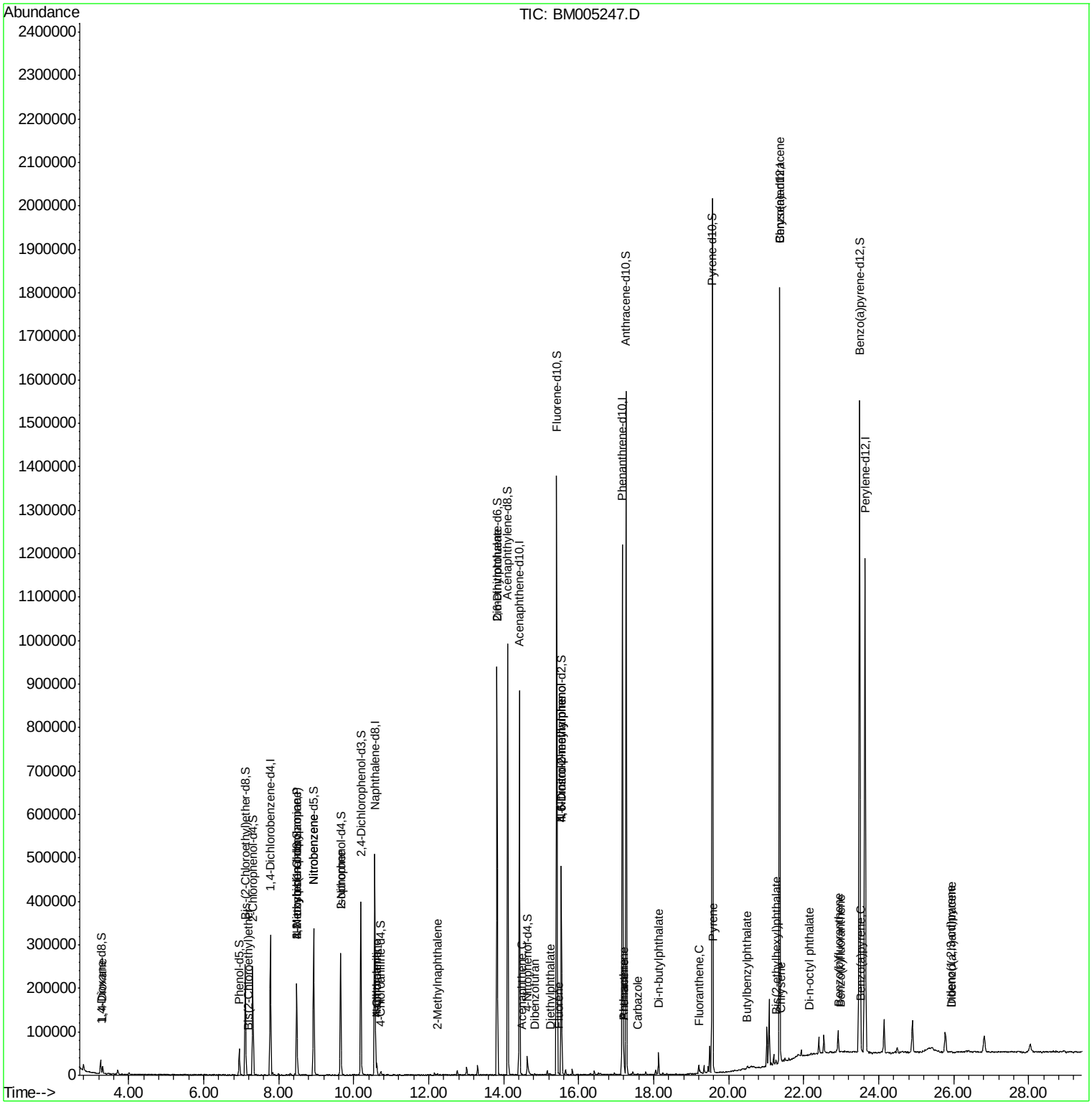
(#) = qualifier out of range (m) = manual integration (+) = signals summed

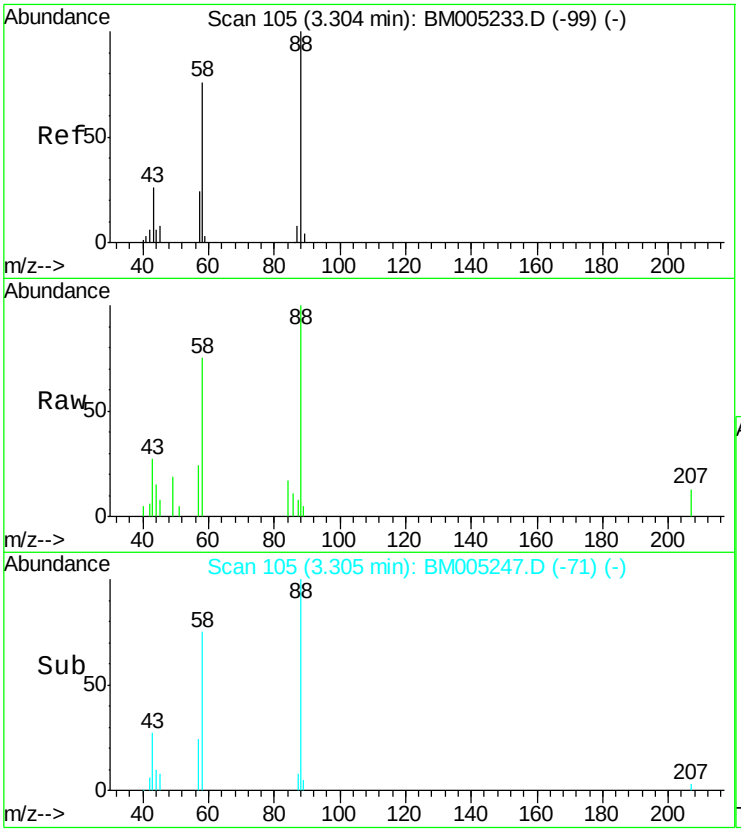
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005247.D
Acq On : 05 May 2016 22:41
Operator : UM/SJ
Sample : H2813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Quant Time: May 06 04:21:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 06 04:17:42 2016
Response via : Initial Calibration



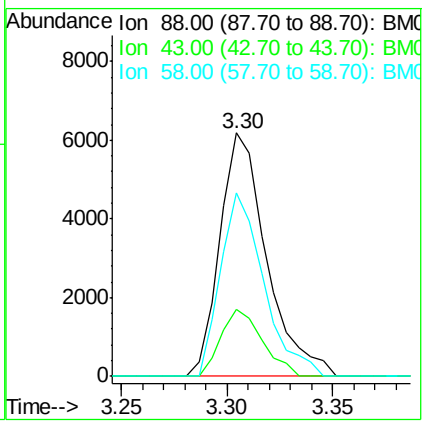


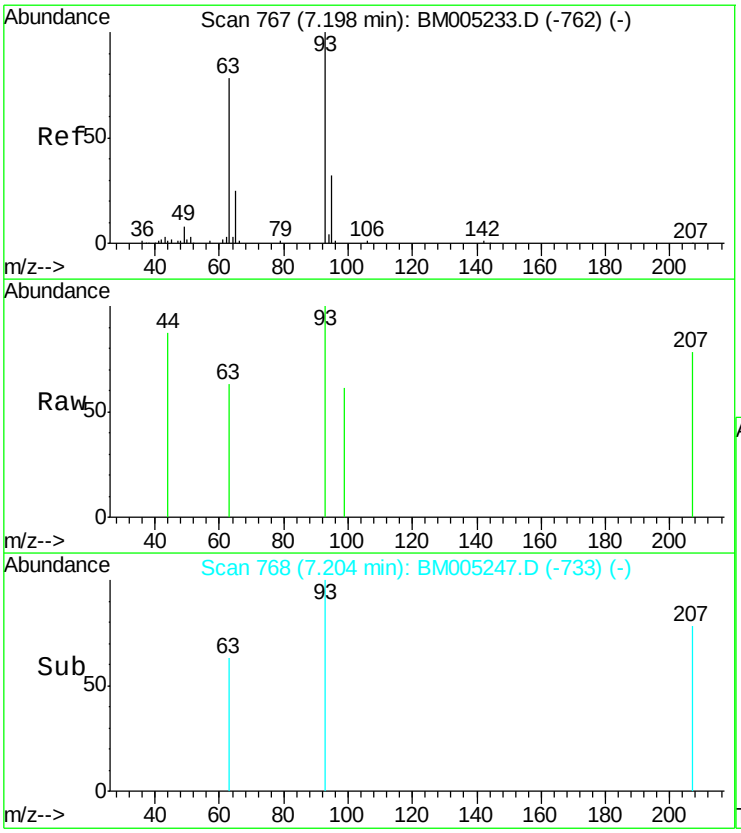
#2
1,4-Dioxane
Concen: 2.74 ng/uL
RT: 3.30 min Scan# 105
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion: 88 Resp: 9465

Ion	Ratio	Lower	Upper
88	100		
43	24.5	19.3	28.9
58	69.8	57.9	86.9

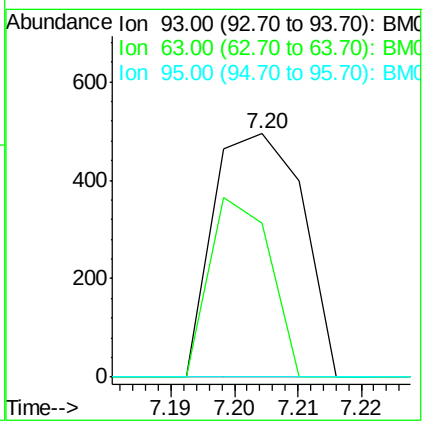


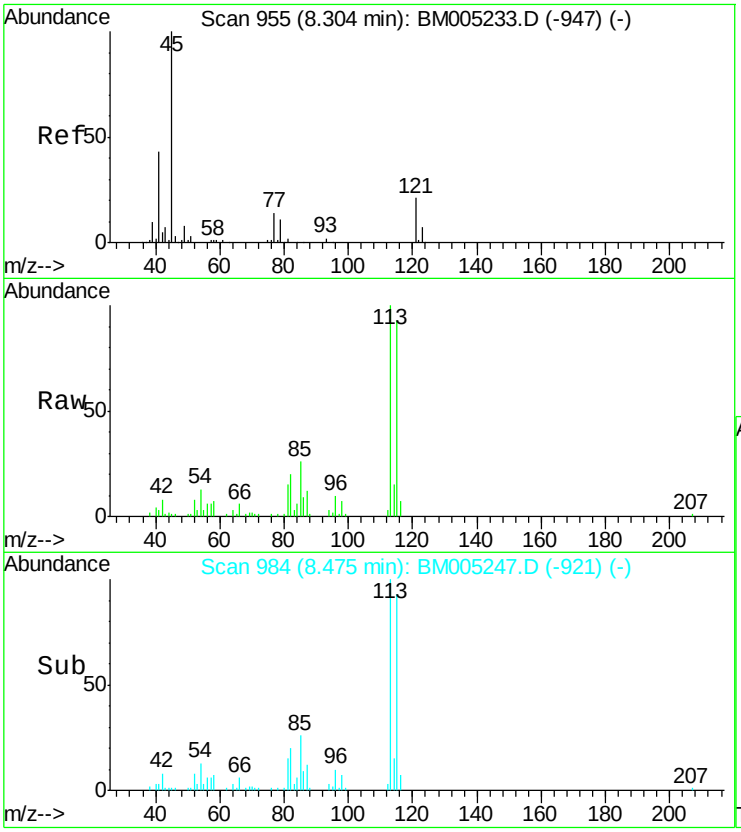


#8
Bis(2-Chloroethyl)ether
Concen: 0.08 ng/ul
RT: 7.20 min Scan# 768
Delta R.T. 0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion: 93 Resp: 479

Ion	Ratio	Lower	Upper
93	100		
63	63.4	60.6	90.8
95	0.0	24.2	36.4#



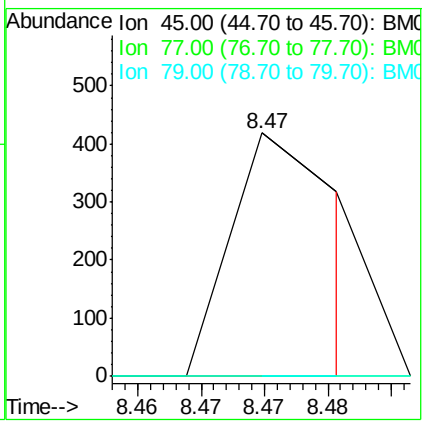


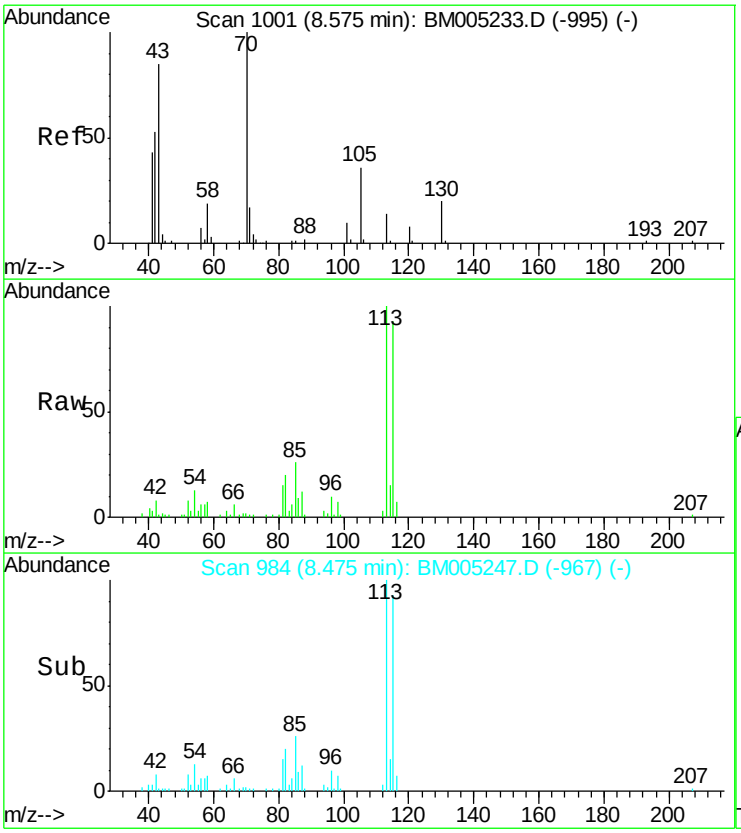
#12
2,2'-oxybis(1-Chloropropane)
Concen: 0.03 ng/ul
RT: 8.47 min Scan# 984
Delta R.T. 0.17 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion: 45 Resp: 260

Ion	Ratio	Lower	Upper
45	100		
77	0.0	12.1	18.1#
79	0.0	9.0	13.4#

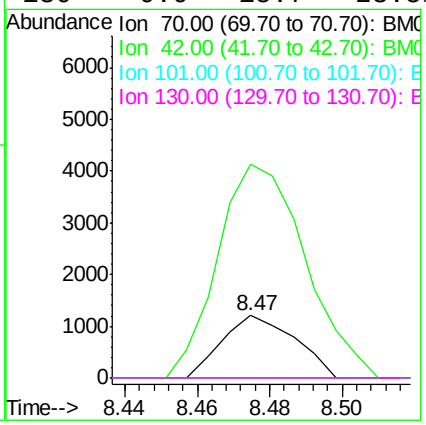


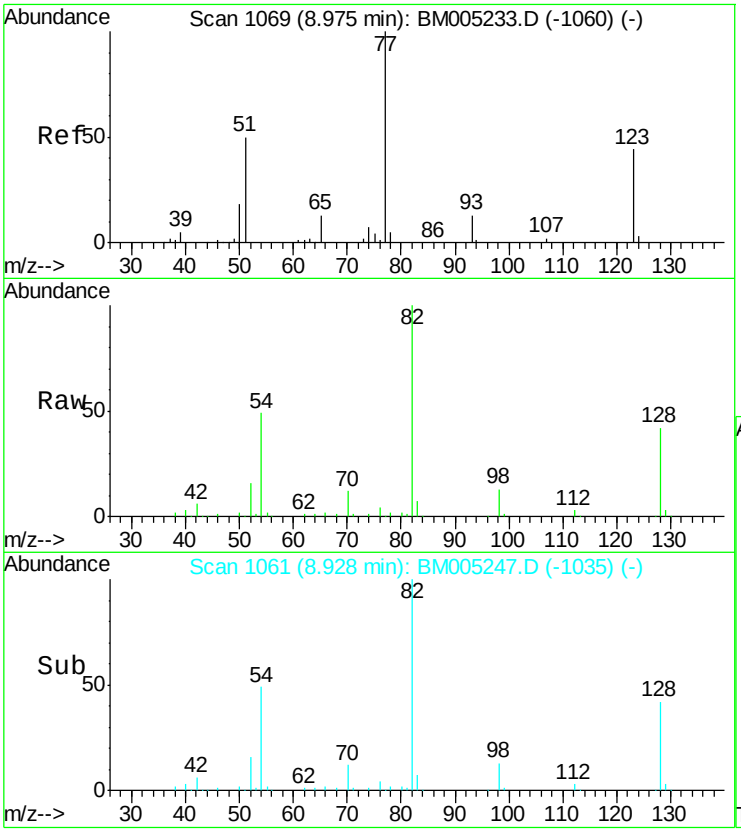


#15
N-Nitroso-di-n-propylamine
Concen: 0.33 ng/ul
RT: 8.47 min Scan# 984
Delta R.T. -0.10 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion: 70 Resp: 1692

Ion	Ratio	Lower	Upper
70	100		
42	343.2	42.8	64.2#
101	0.0	7.8	11.6#
130	0.0	15.7	23.5#



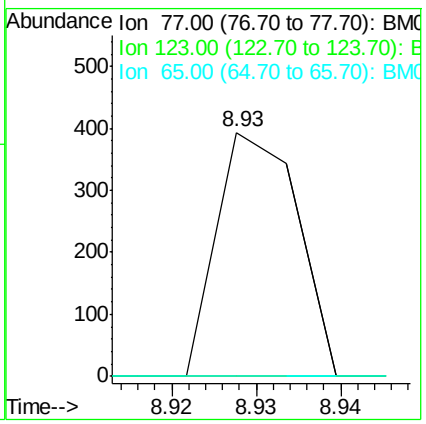


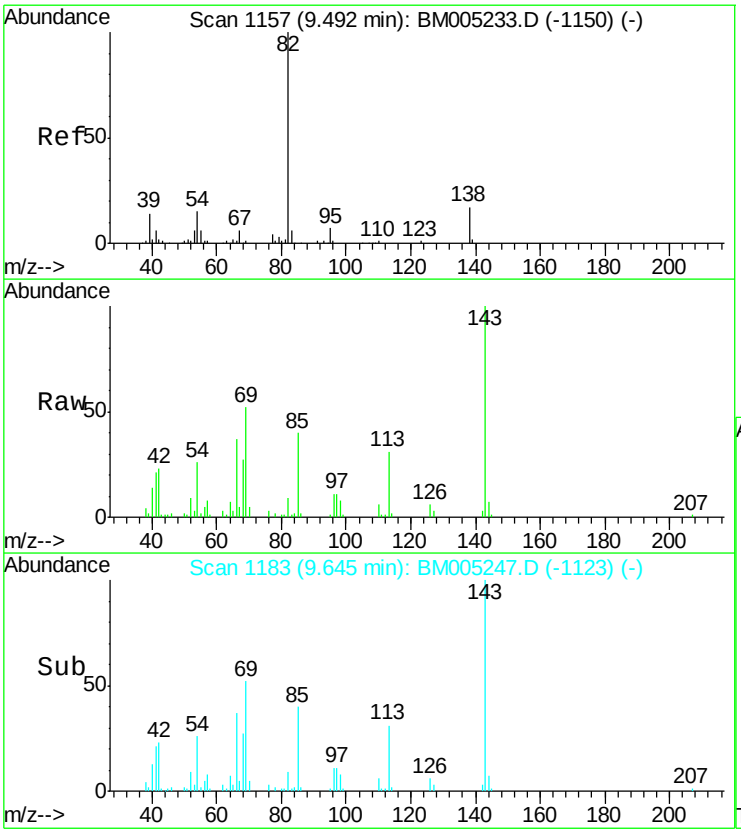
#20
Nitrobenzene
Concen: 0.03 ng/ul
RT: 8.93 min Scan# 1061
Delta R.T. -0.05 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion: 77 Resp: 260

Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.1	51.1#
65	0.0	11.0	16.4#

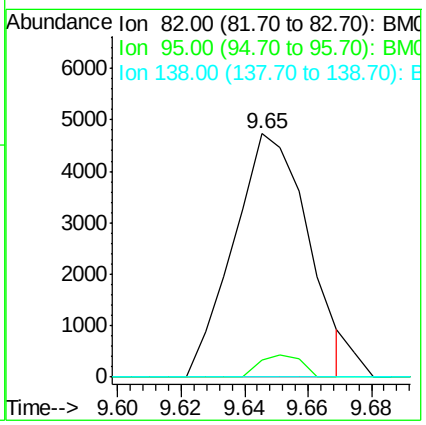


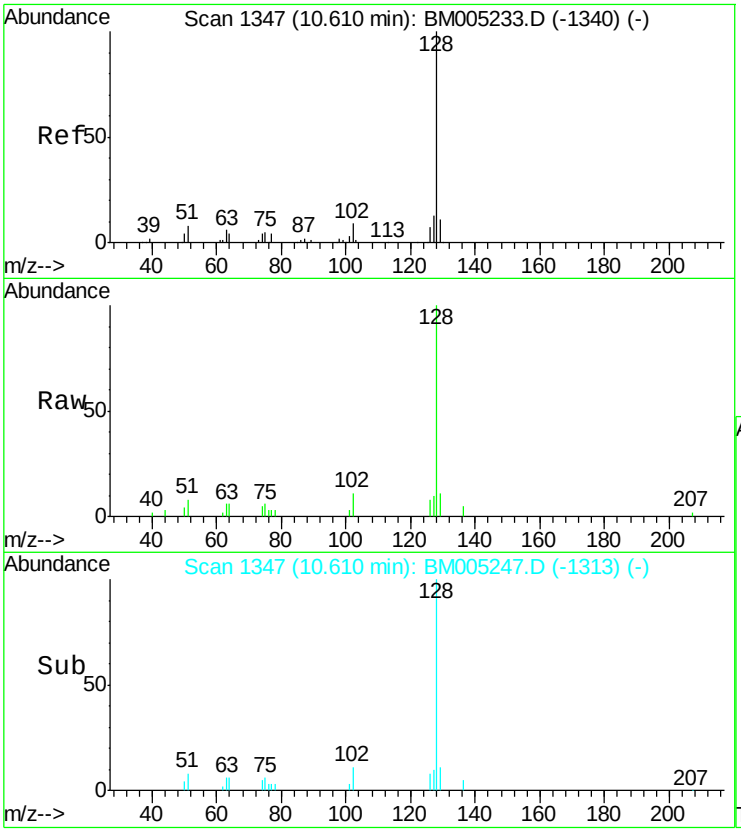


#21
Isophorone
Concen: 0.51 ng/ul
RT: 9.65 min Scan# 1183
Delta R.T. 0.15 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion: 82 Resp: 7678

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.0
138	0.0	13.4	20.2#



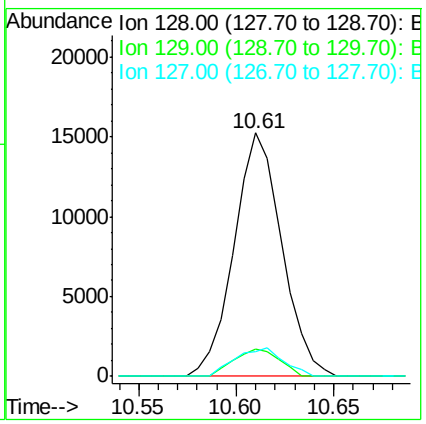


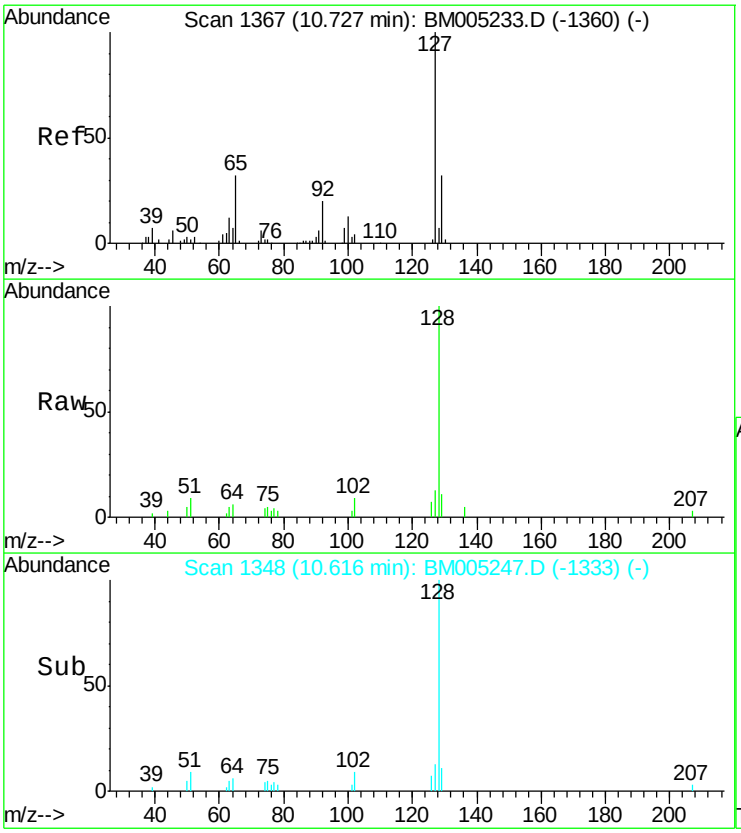
#28
Naphthalene
Concen: 1.18 ng/ul
RT: 10.61 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:128 Resp: 25851

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	10.4	10.8	16.2#

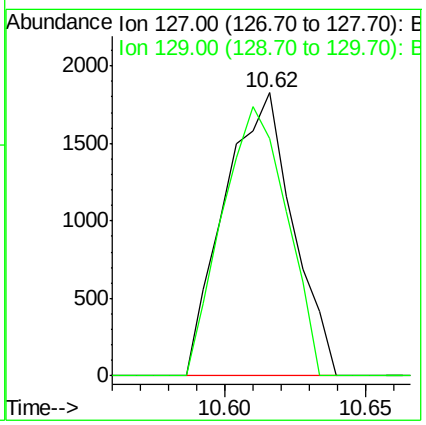


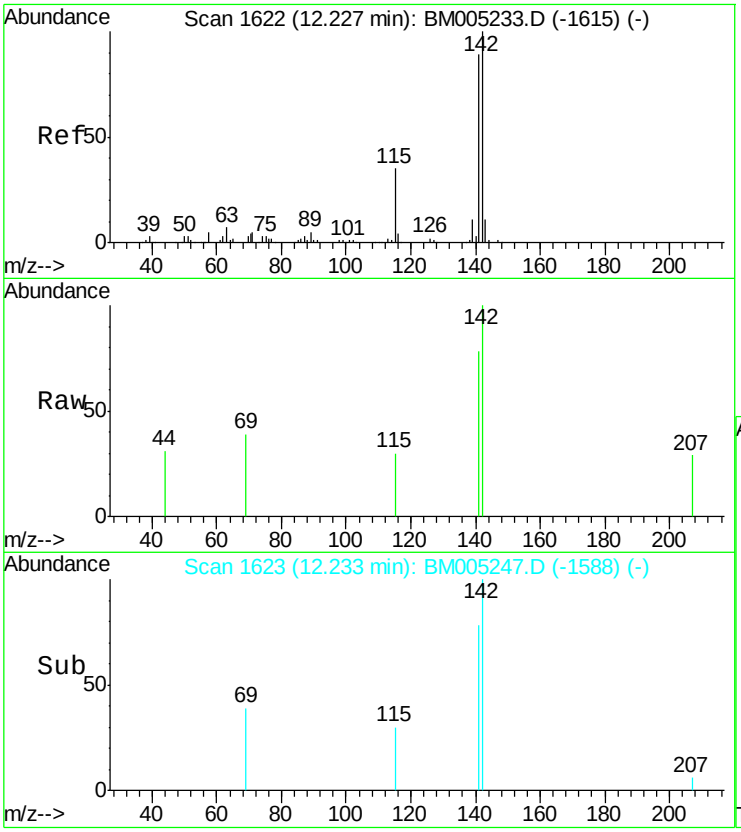


#30
4-Chloroaniline
Concen: 0.38 ng/ul
RT: 10.62 min Scan# 1348
Delta R.T. -0.11 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:127 Resp: 3077

Ion	Ratio	Lower	Upper
127	100		
129	83.8	26.5	39.7#



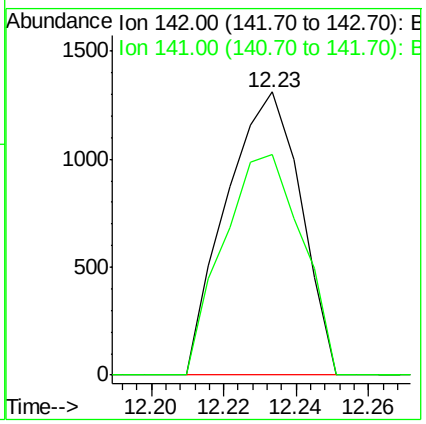


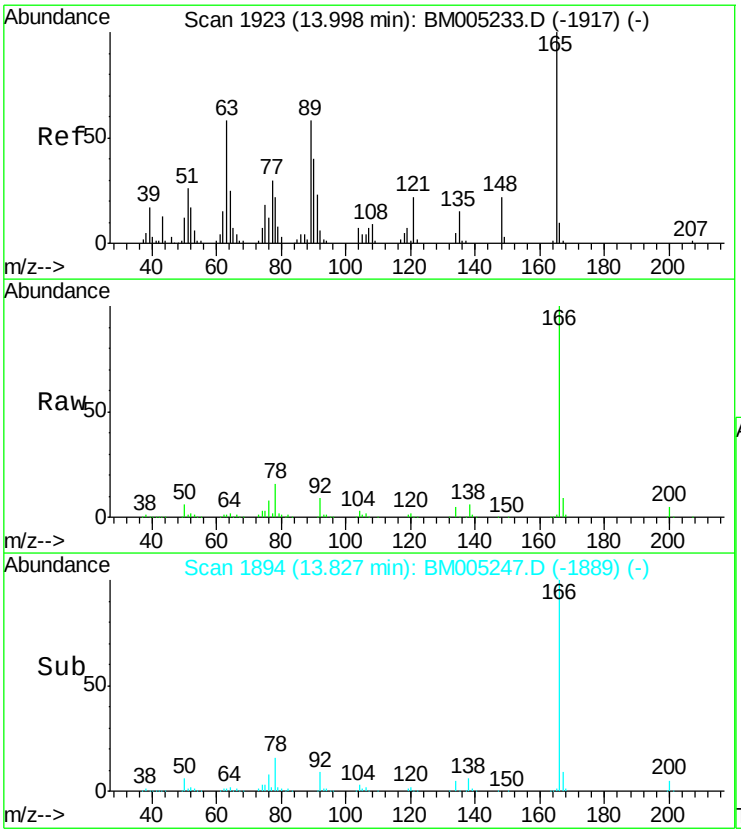
#34
2-Methylnaphthalene
Concen: 0.11 ng/ul
RT: 12.23 min Scan# 1623
Delta R.T. 0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:142 Resp: 1871

Ion	Ratio	Lower	Upper
142	100		
141	78.0	71.3	106.9

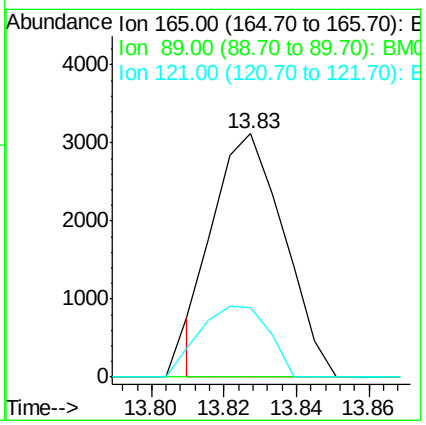


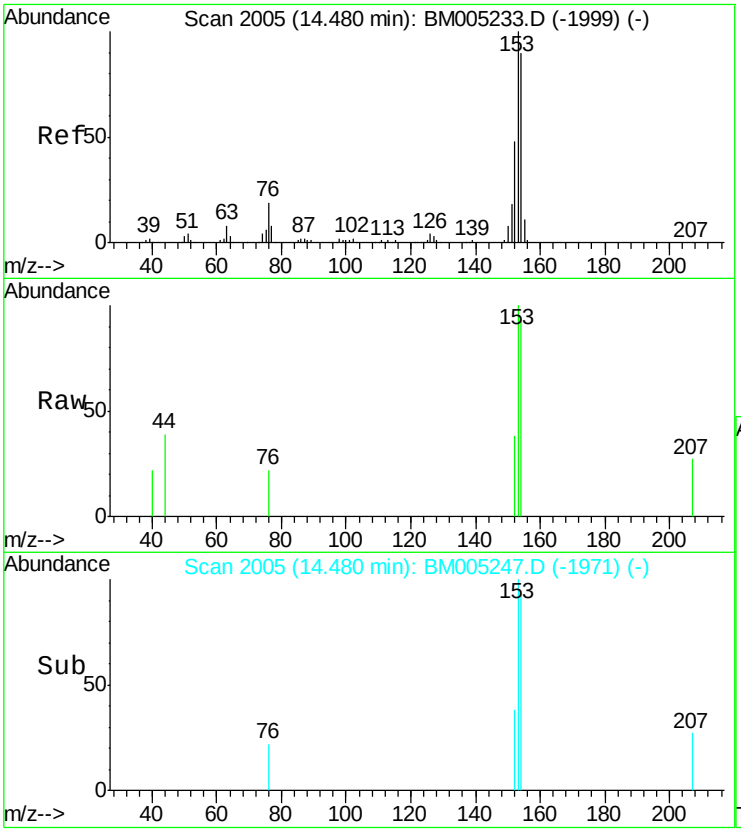


#45
2,6-Dinitrotoluene
Concen: 0.91 ng/ul
RT: 13.83 min Scan# 1894
Delta R.T. -0.17 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:165 Resp: 4219

Ion	Ratio	Lower	Upper
165	100		
89	0.0	52.2	78.4#
121	28.6	21.0	31.4



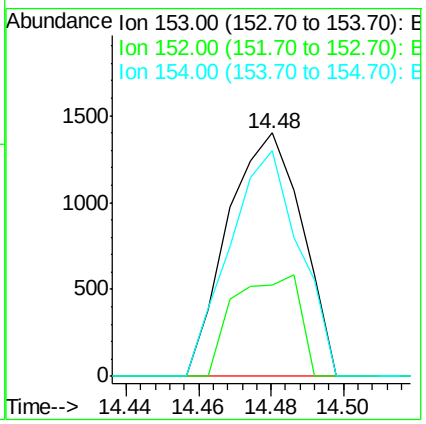


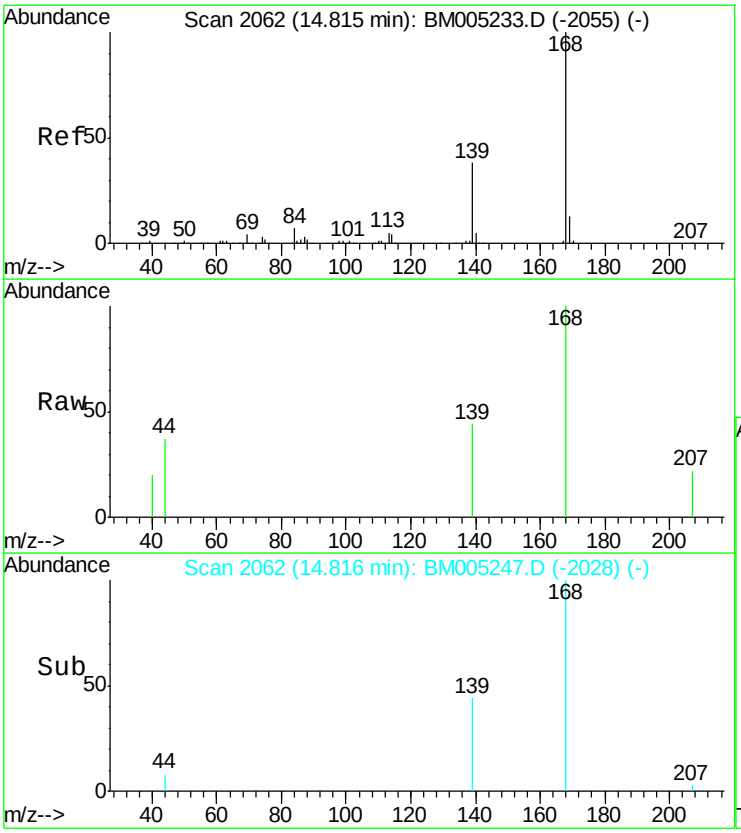
#49
Acenaphthene
Concen: 0.10 ng/ul
RT: 14.48 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:153 Resp: 1995

Ion	Ratio	Lower	Upper
153	100		
152	37.6	38.9	58.3#
154	92.9	70.3	105.5

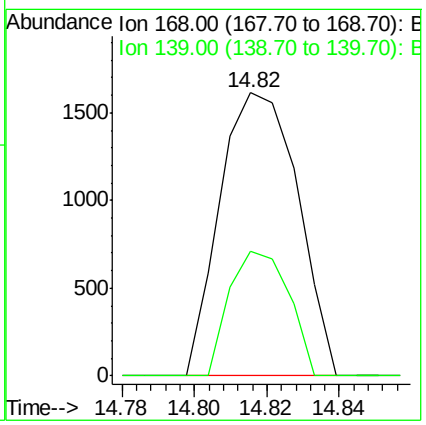


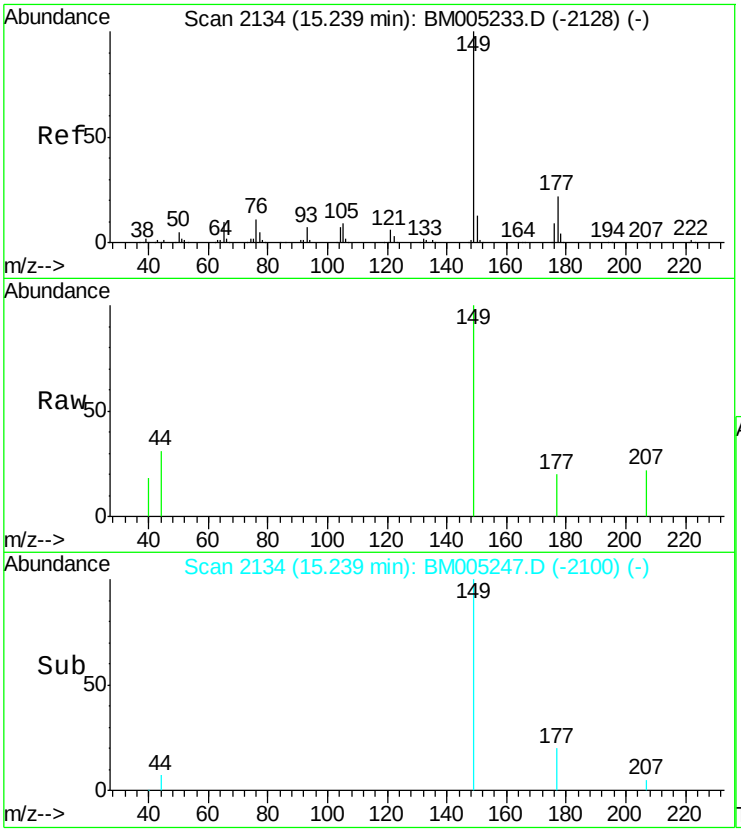


#53
Dibenzofuran
Concen: 0.09 ng/ul
RT: 14.82 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:168 Resp: 2409

Ion	Ratio	Lower	Upper
168	100		
139	44.0	30.3	45.5



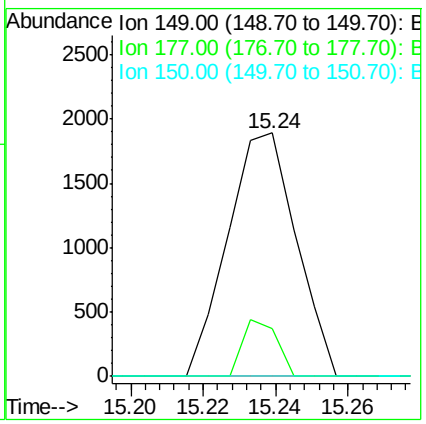


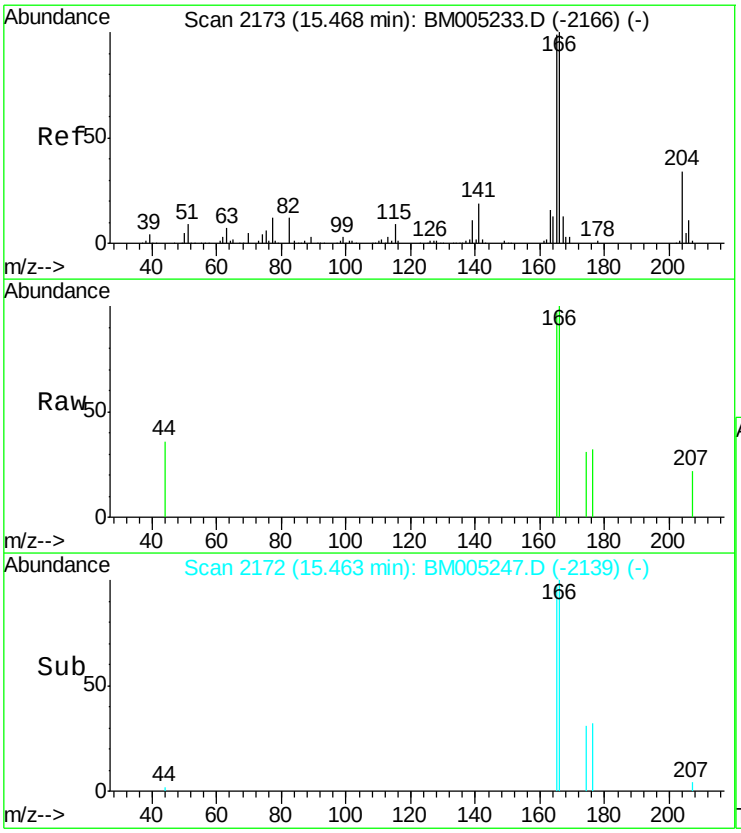
#56
Diethylphthalate
Concen: 0.11 ng/ul
RT: 15.24 min Scan# 2134
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:149 Resp: 2488

Ion	Ratio	Lower	Upper
149	100		
177	19.8	17.6	26.4
150	0.0	9.8	14.8#

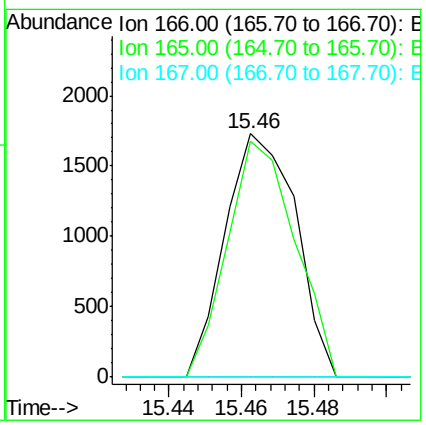


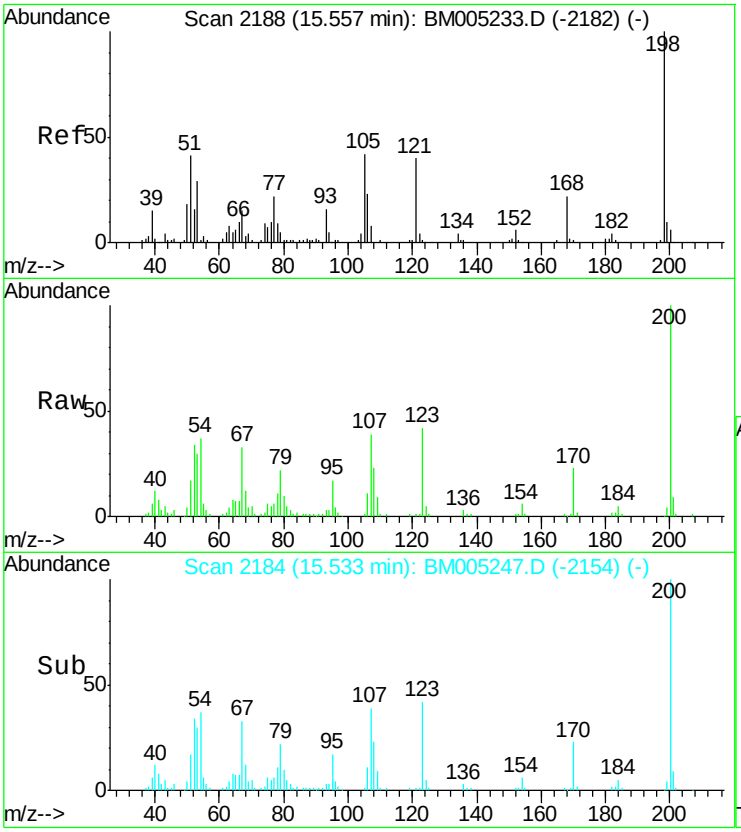


#58
Fluorene
Concen: 0.11 ng/ul
RT: 15.46 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:166 Resp: 2344

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.9	116.9
167	0.0	10.6	16.0#



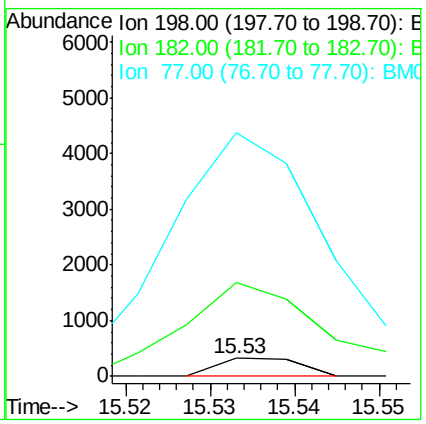


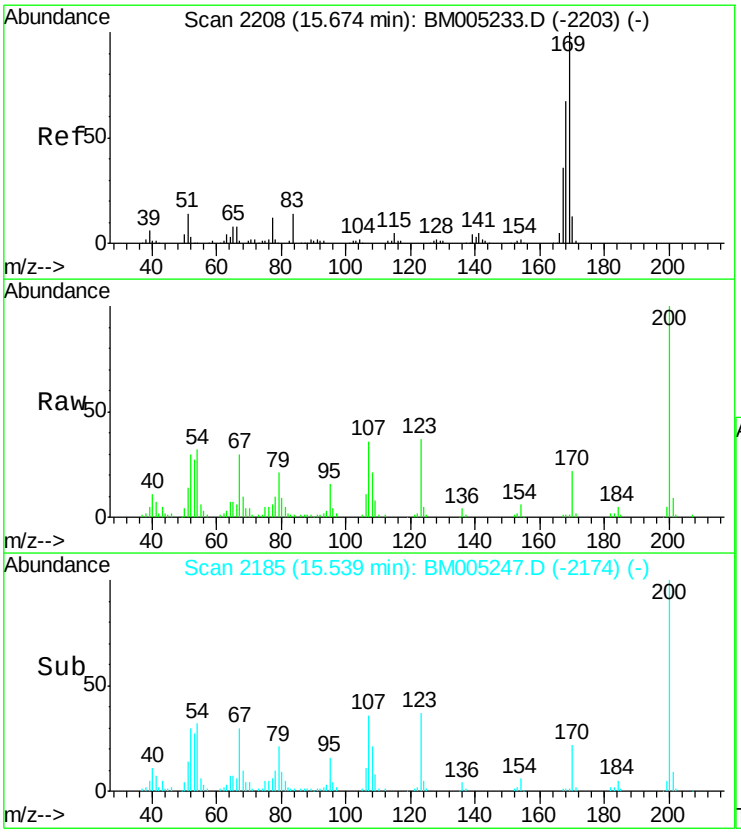
#63
4,6-Dinitro-2-methylphenol
Concen: 0.05 ng/ul
RT: 15.53 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:198 Resp: 225

Ion	Ratio	Lower	Upper
198	100		
182	517.2	5.5	8.3#
77	1340.8	24.2	36.2#

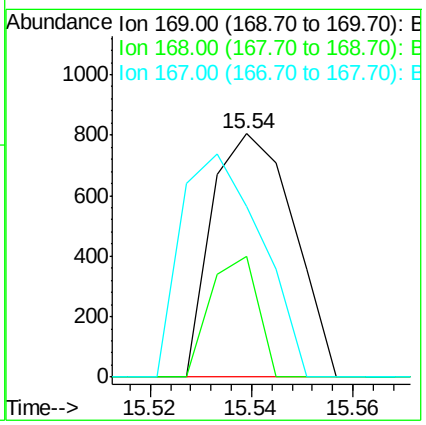


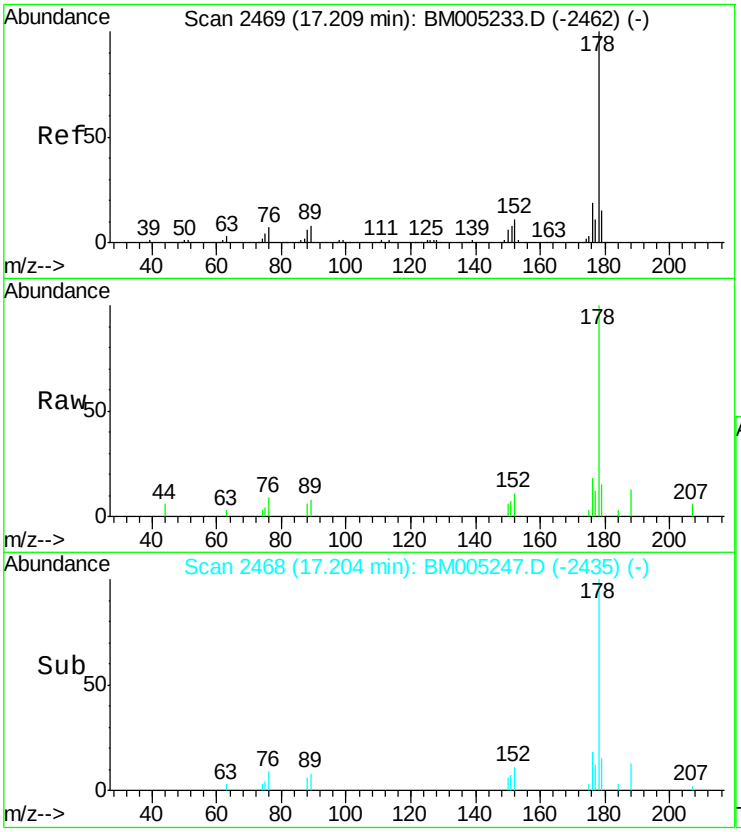


#64
N-Nitrosodiphenylamine
Concen: 0.05 ng/ul
RT: 15.54 min Scan# 2185
Delta R.T. -0.14 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:169 Resp: 895

Ion	Ratio	Lower	Upper
169	100		
168	49.4	52.9	79.3#
167	69.9	28.2	42.4#



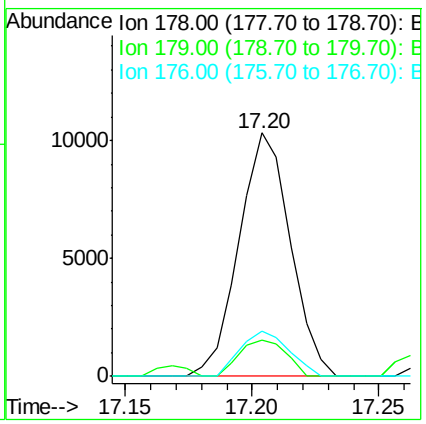


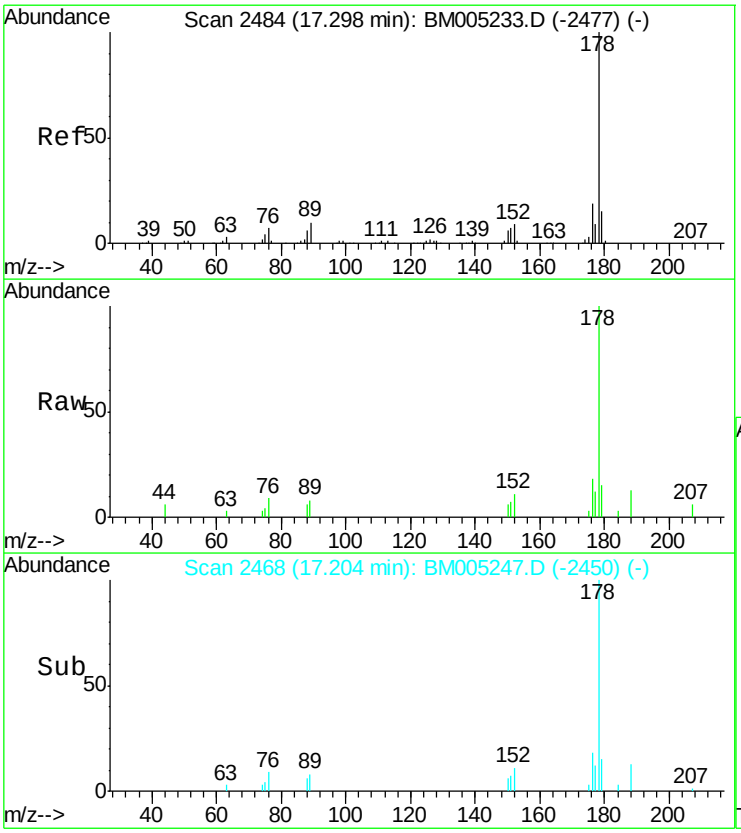
#69
Phenanthrene
Concen: 0.38 ng/ul
RT: 17.20 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:178 Resp: 14517

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.5	15.2	22.8

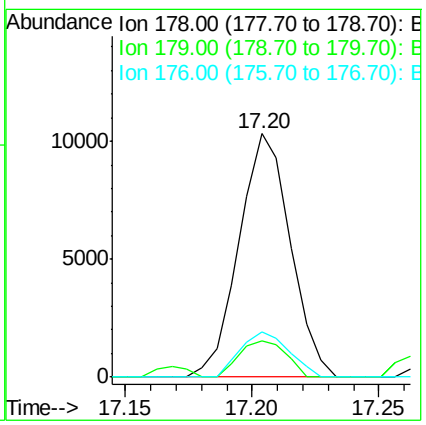


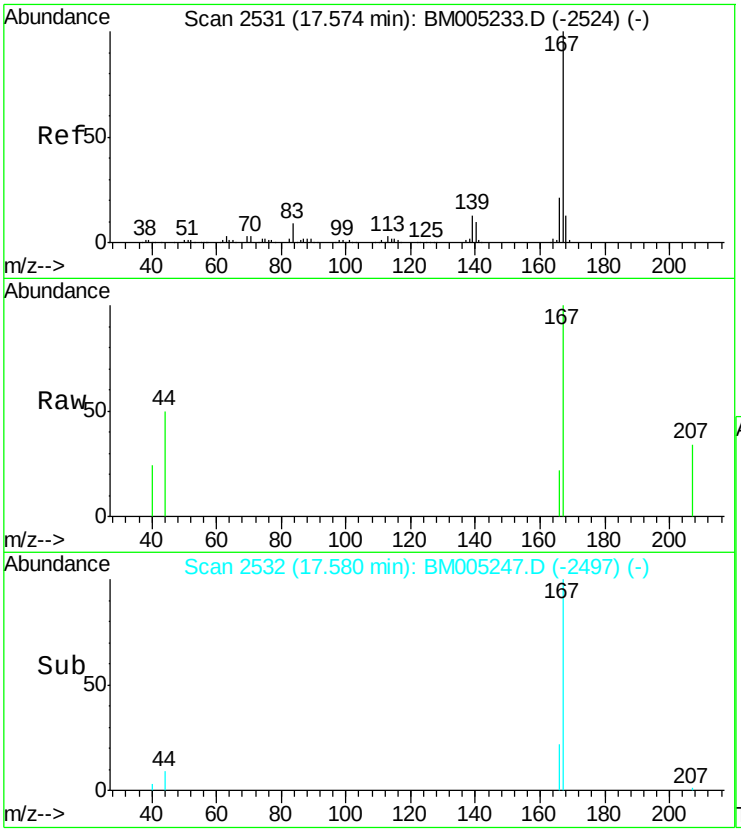


#71
Anthracene
Concen: 0.38 ng/ul
RT: 17.20 min Scan# 2468
Delta R.T. -0.09 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:178 Resp: 14517

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.4	18.6
176	18.5	15.1	22.7



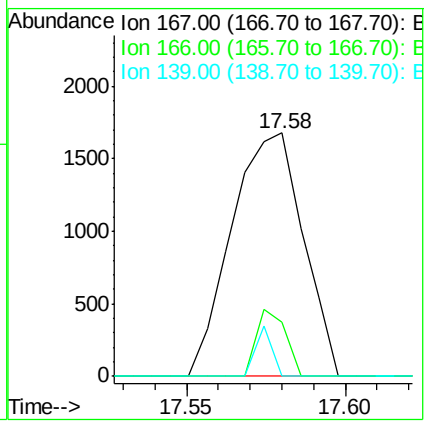


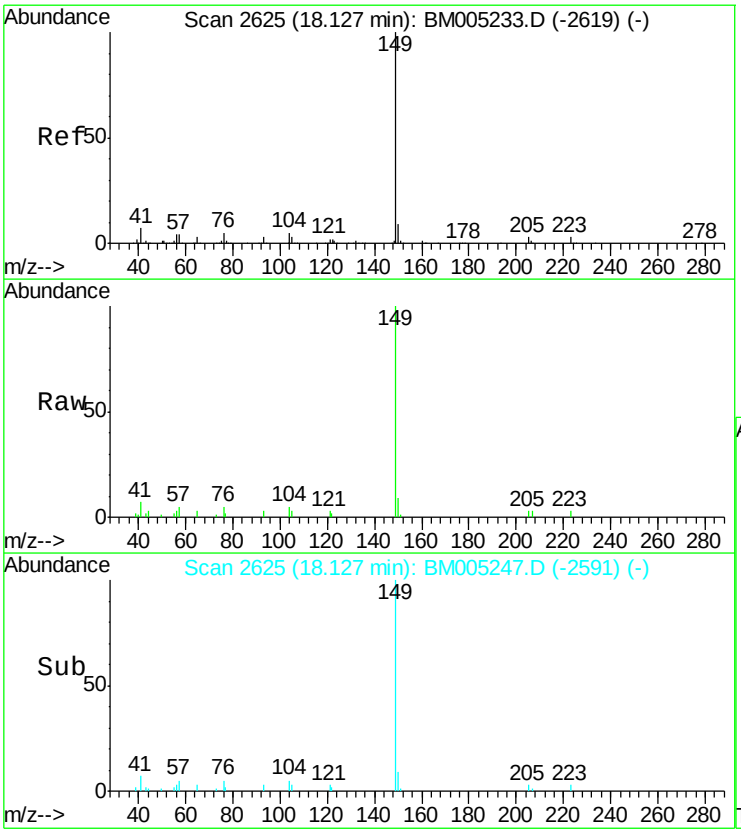
#72
Carbazole
Concen: 0.08 ng/ul
RT: 17.58 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:167 Resp: 2627

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	0.0	10.2	15.2#

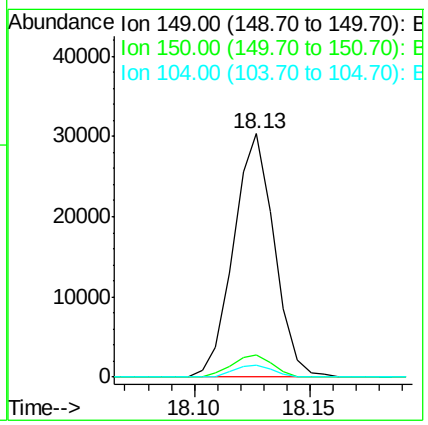


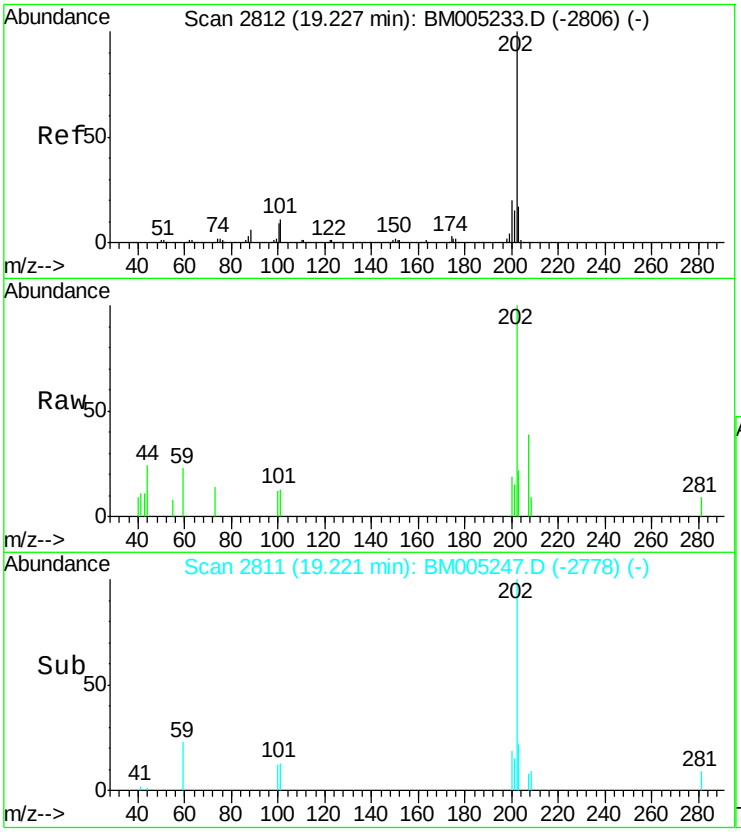


#73
Di-n-butylphthalate
Concen: 0.92 ng/ul
RT: 18.13 min Scan# 2625
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:149 Resp: 37272

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.0	4.1	6.1



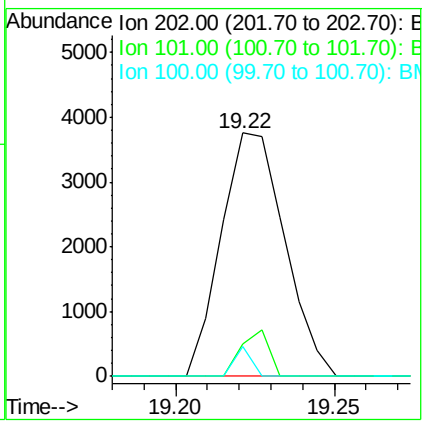


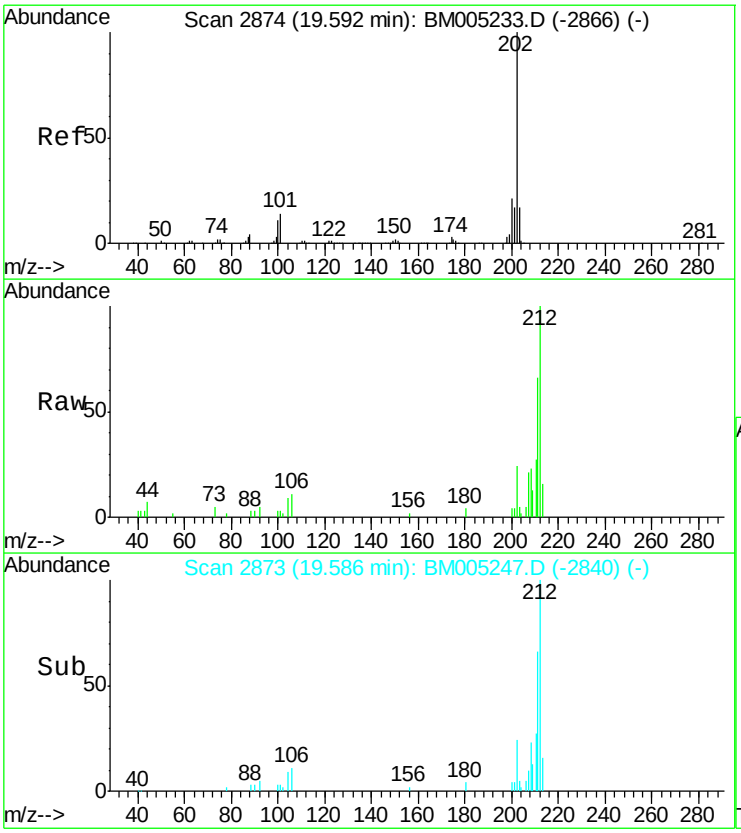
#74
Fluoranthene
Concen: 0.12 ng/ul
RT: 19.22 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:202 Resp: 5221

Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.2	13.8
100	12.1	7.1	10.7#

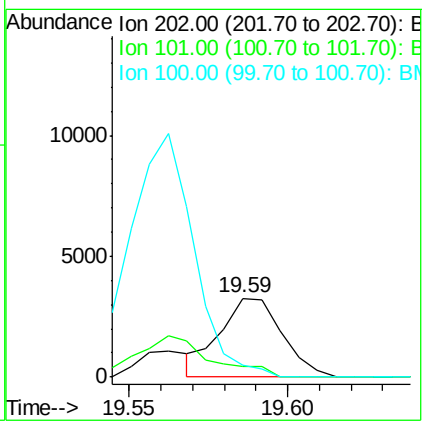


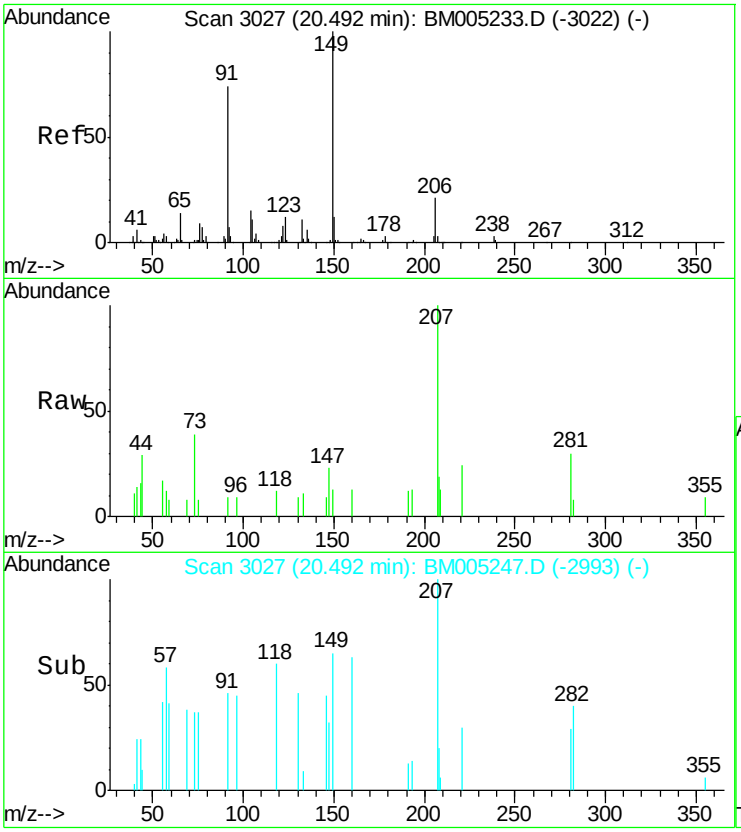


#77
Pyrene
Concen: 0.09 ng/ul
RT: 19.59 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:202 Resp: 4473

Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.8	16.2
100	14.5	8.4	12.6#



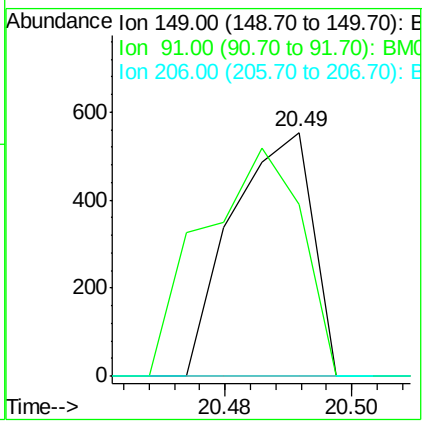


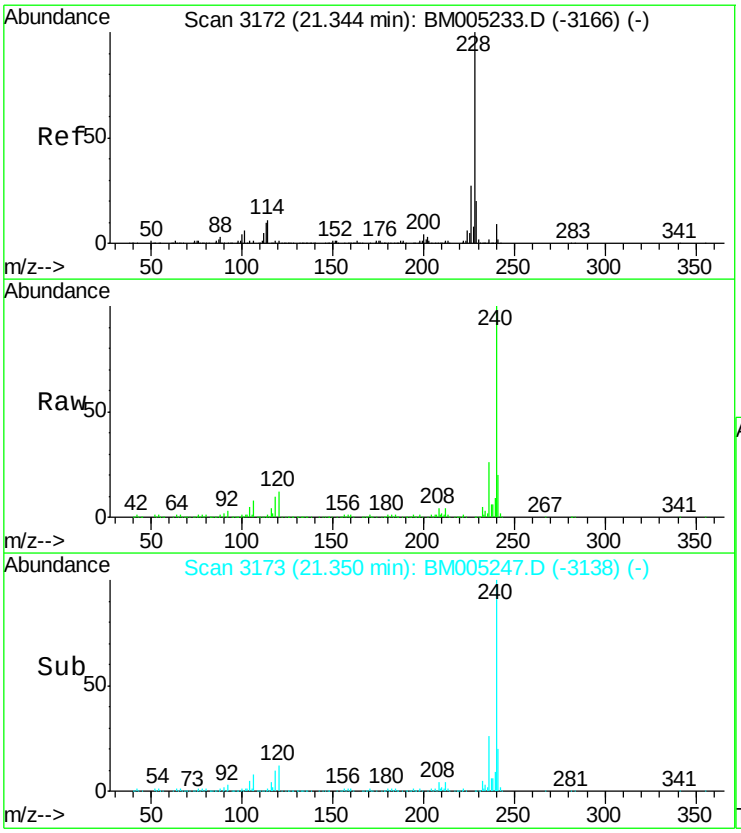
#78
Butylbenzylphthalate
Concen: 0.02 ng/ul
RT: 20.49 min Scan# 3027
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:149 Resp: 485

Ion	Ratio	Lower	Upper
149	100		
91	70.3	58.4	87.6
206	0.0	17.3	25.9#

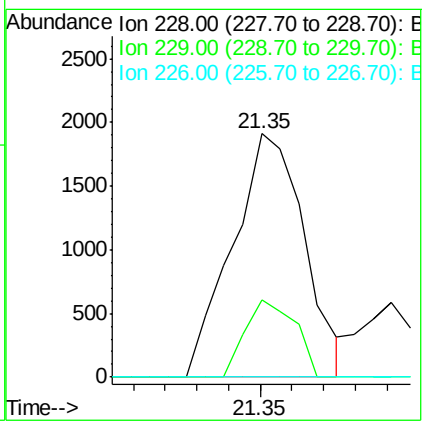


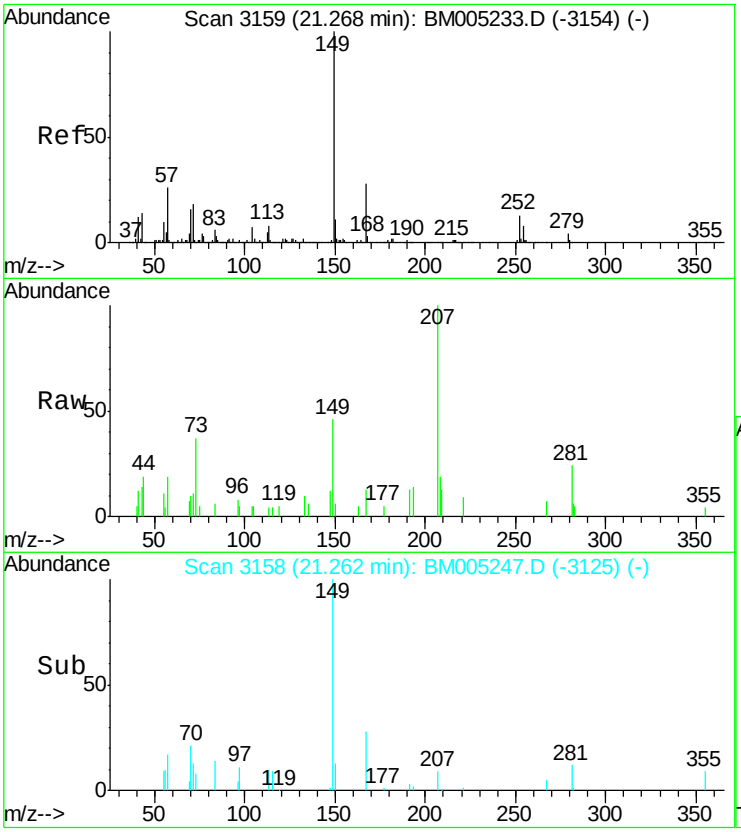


#80
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.35 min Scan# 3173
Delta R.T. 0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:228 Resp: 3007

Ion	Ratio	Lower	Upper
228	100		
229	31.5	15.5	23.3#
226	0.0	21.8	32.8#



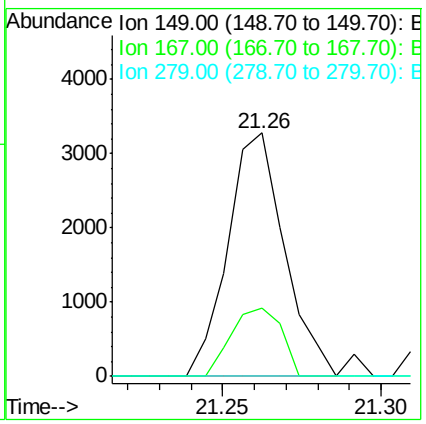


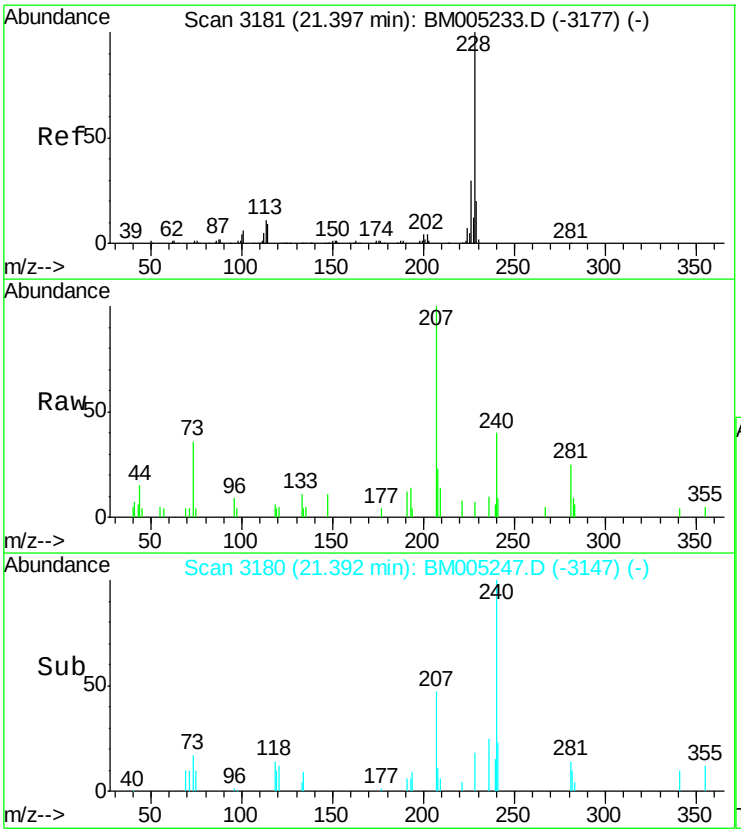
#81
Bis(2-ethylhexyl)phthalate
Concen: 0.14 ng/ul
RT: 21.26 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:149 Resp: 4065

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.9	32.9
279	0.0	3.0	4.4#

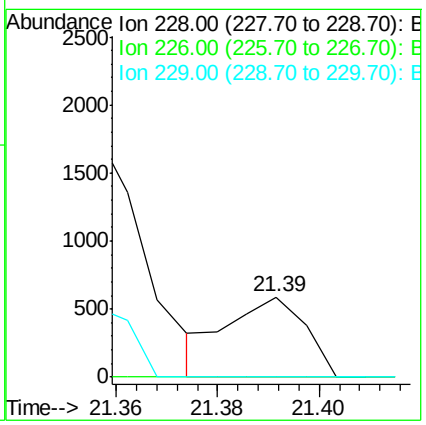


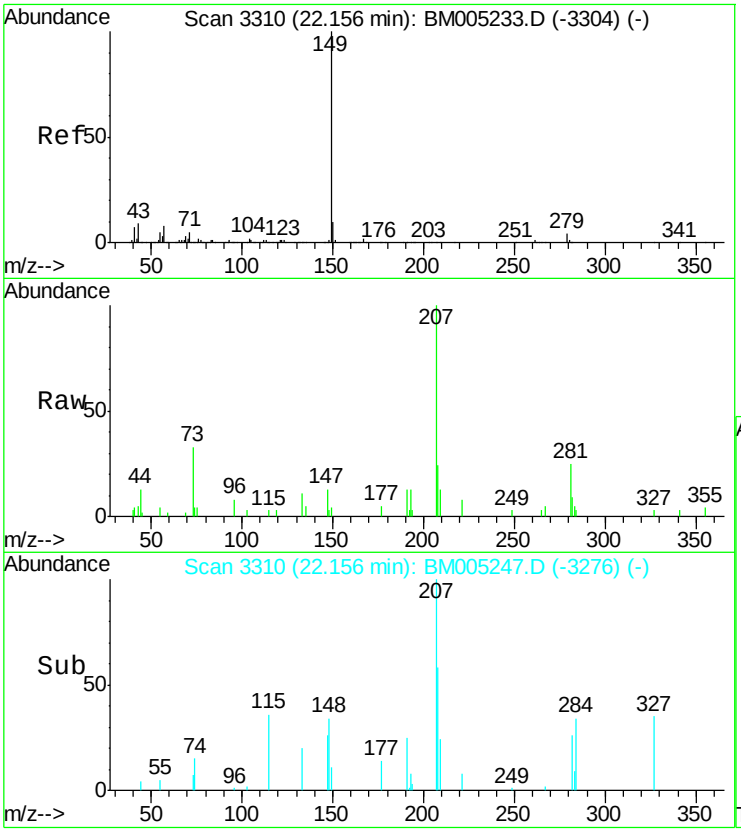


#82
Chrysene
Concen: 0.01 ng/ul
RT: 21.39 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:228 Resp: 622

Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.6	35.4#
229	0.0	15.4	23.0#



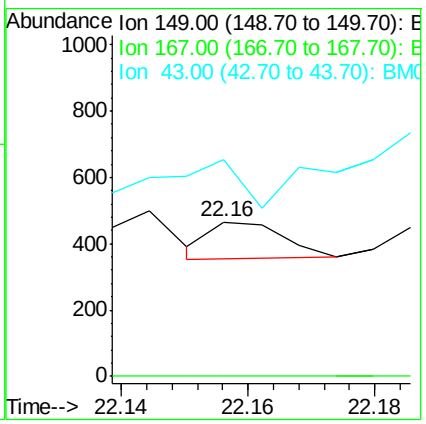


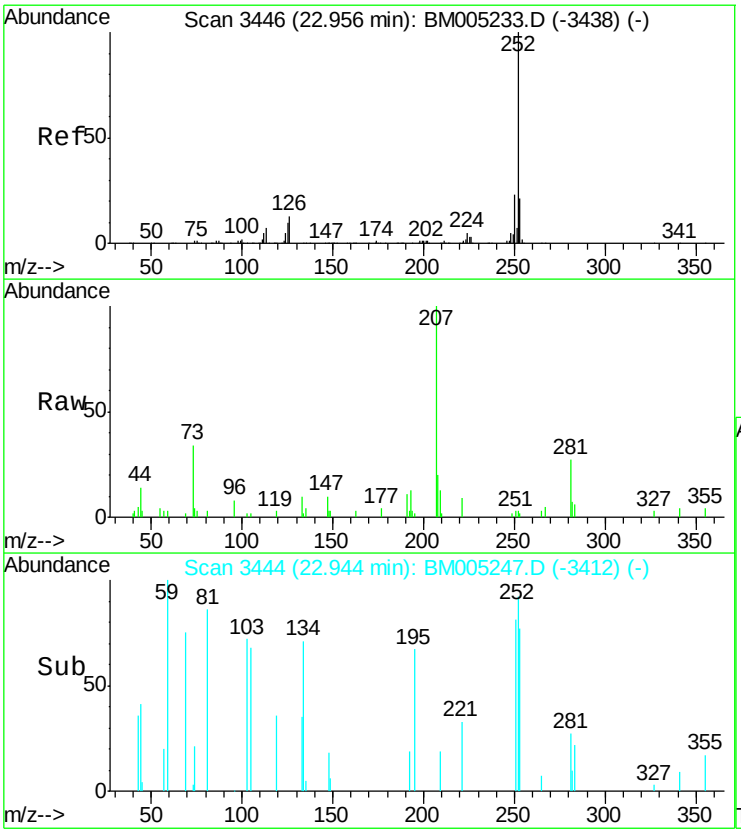
#84
Di-n-octyl phthalate
Concen: 0.00 ng/ul
RT: 22.16 min Scan# 3310
Delta R.T. 0.00 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:149 Resp: 89

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	140.2	7.4	11.0#

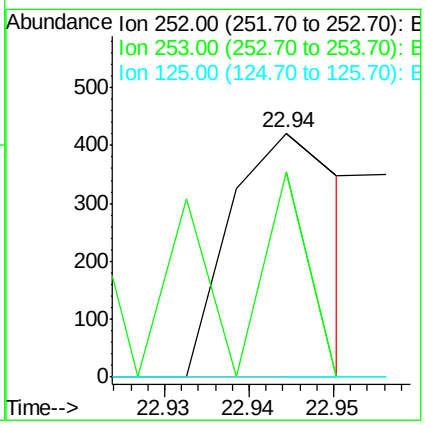


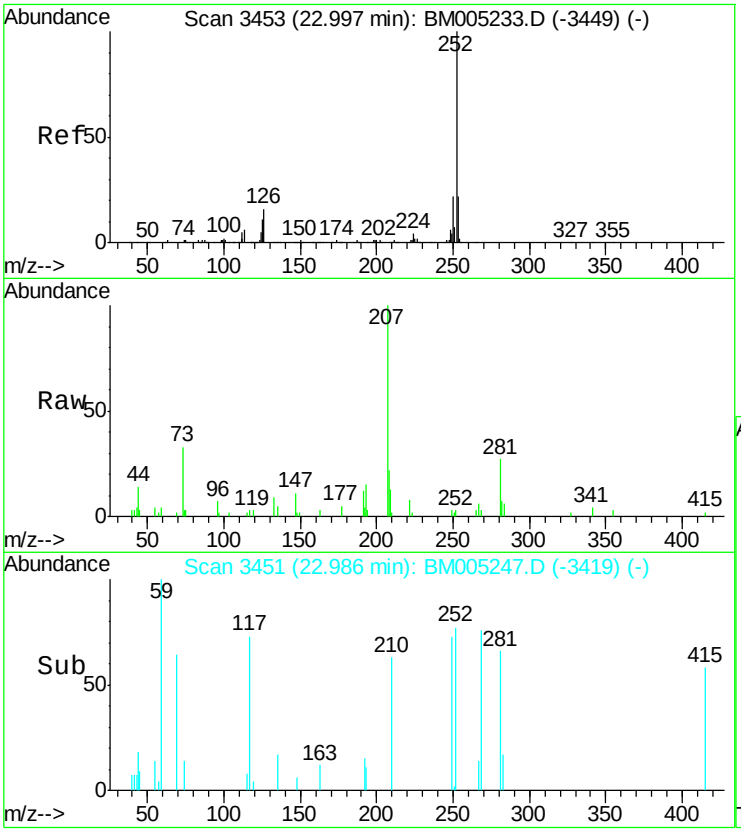


#85
Benzo(b)fluoranthene
Concen: 0.01 ng/ul
RT: 22.94 min Scan# 3444
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:252 Resp: 387

Ion	Ratio	Lower	Upper
252	100		
253	84.1	17.4	26.2#
125	0.0	8.4	12.6#



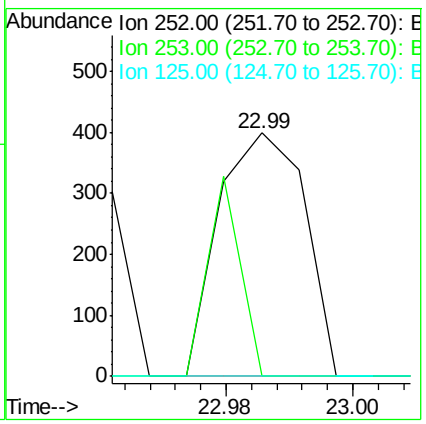


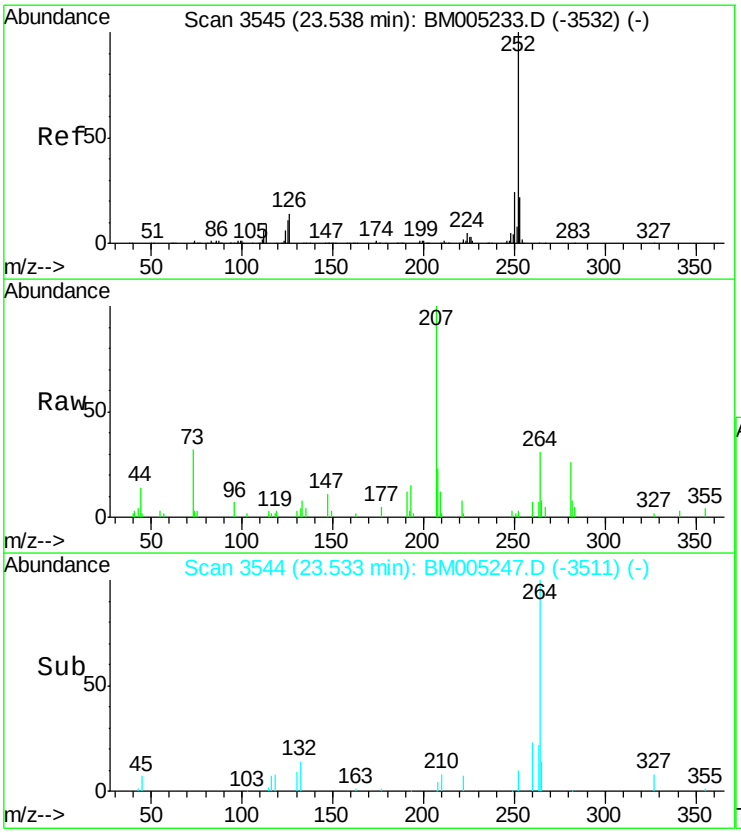
#86
Benzo(k)fluoranthene
Concen: 0.01 ng/ul
RT: 22.99 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:252 Resp: 373

Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.3	25.9#
125	0.0	8.0	12.0#

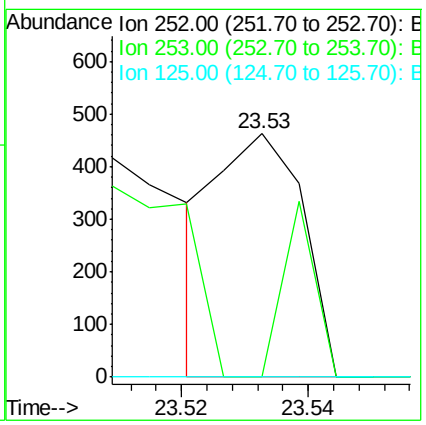


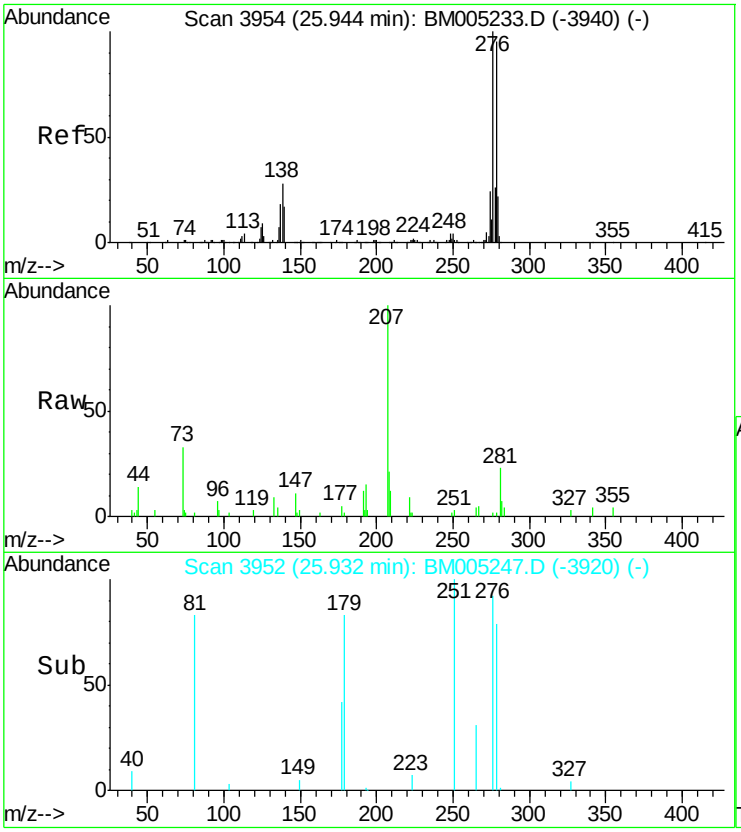


#88
Benzo(a)pyrene
Concen: 0.01 ng/ul
RT: 23.53 min Scan# 3544
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:252 Resp: 432

Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.5	26.3#
125	0.0	8.7	13.1#



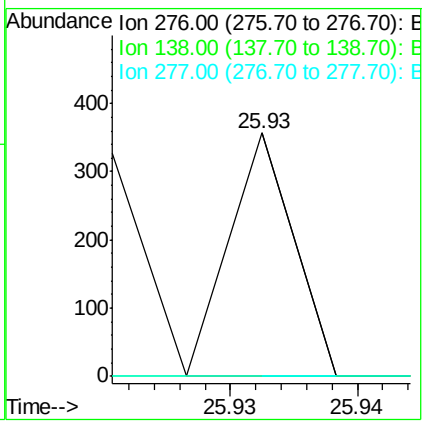


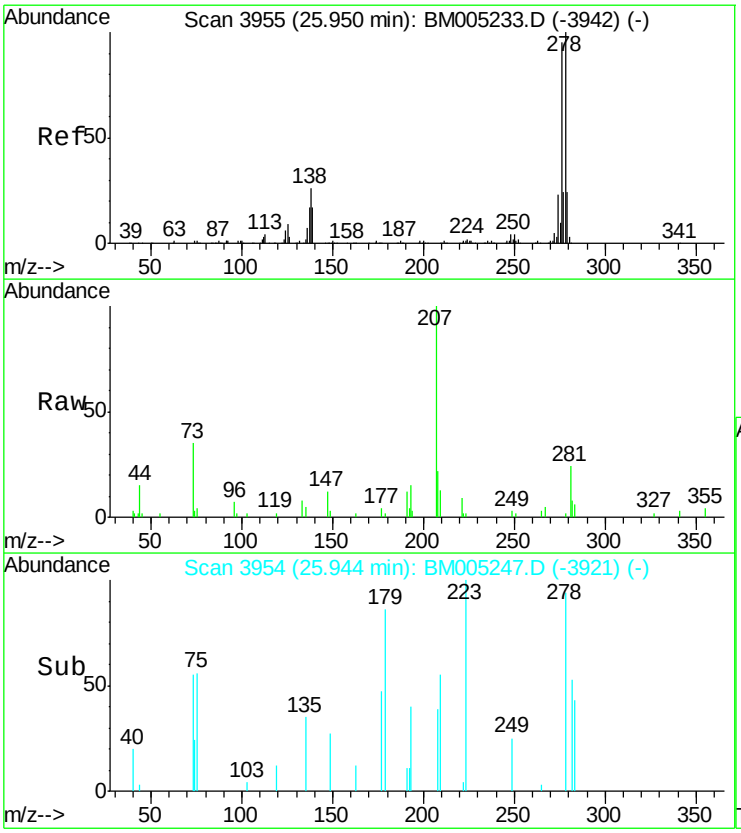
#89
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 25.93 min Scan# 3952
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Instrument :
BNA_M
ClientSampleId :
BC7Q4

Tgt Ion:276 Resp: 126

Ion	Ratio	Lower	Upper
276	100		
138	0.0	21.0	31.6#
277	0.0	19.9	29.9#





#90
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.94 min Scan# 3954
Delta R.T. -0.01 min
Lab File: BM005247.D
Acq: 05 May 2016 22:41

Tgt Ion:278 Resp: 116

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.8	20.6#
279	0.0	18.9	28.3#