Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Manual Integrations APPROVED
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6/26/2017 8:26:16 AM

Quant Time: Jun 23 06:31:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	69242	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	315233	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.12	164	220781	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	502961	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	600358	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	476453	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	2985	0.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	2019	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	2346	0.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2793	0.51	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	5223	2.32	ng/ul	0.02
22) 2-Nitrophenol-d4	9.32	143	1494	0.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	3901	0.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	41181m	7.16	ng/ul	0.05
43) Dimethylphthalate-d6	13.54	166	17563	0.91	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	15677	0.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	3078	0.90	ng/ul	0.00
57) Fluorene-d10	15.12	176	15907	0.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.27	200	1115	0.36	ng/ul	0.03
70) Anthracene-d10	16.99	188	21846	0.90	ng/ul	0.02
76) Pyrene-d10	19.29	212	21717	0.78	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.09	264	18807	0.82	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	6.67	94	7336	1.080	ng/ul	91
11) 2-Methylphenol	7.90	108	11421	2.206	ng/ul	83
16) 4-Methylphenol	8.23	108	28483	4.999	ng/ul	93
24) 2,4-Dimethylphenol	9.42	107	54478m	7.794	ng/ul	
28) Naphthalene	10.30	128	30076561m	1917.243	ng/ul	
34) 2-Methylnaphthalene	11.92	142	7674277	608.567	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	1609045	93.220	ng/ul	99
47) Acenaphthylene	13.83	152	394302	18.364	ng/ul#	95
49) Acenaphthene	14.20	153	5544768	382.812	ng/ul	99
53) Dibenzofuran	14.53	168	5962486	271.821	ng/ul	92
54) 2,4-Dinitrotoluene	14.49	165	12317	2.413	ng/ul#	50
58) Fluorene	15.19	166	6384700	347.650	ng/ul	99
69) Phenanthrene	16.93	178	22136932m	827.881	ng/ul	
71) Anthracene	17.02	178	3890000	141.209	ng/ul	98
72) Carbazole	17.29	167	1790168	74.485	ng/ul	98
74) Fluoranthene	18.96	202	15844186	459.778	ng/ul#	89
77) Pyrene	19.33	202	11005774	317.381	ng/ul#	93
80) Benzo(a)anthracene	21.07	228	3281150	93.852	ng/ul	97
82) Chrysene	21.13	228	2306051	73.980	ng/ul	97
85) Benzo(b)fluoranthene	22.60	252	1522271	49.220	ng/ul	98
86) Benzo(k)fluoranthene	22.63	252	541455m	18.467	ng/ul	
88) Benzo(a)pyrene	23.13	252	867807	30.478	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.33	276	244988	8.296	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.34	278	71124	2.890	ng/ul#	91
91) Benzo(g,h,i)perylene	25.97	276	146041	6.212	ng/ul	99

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

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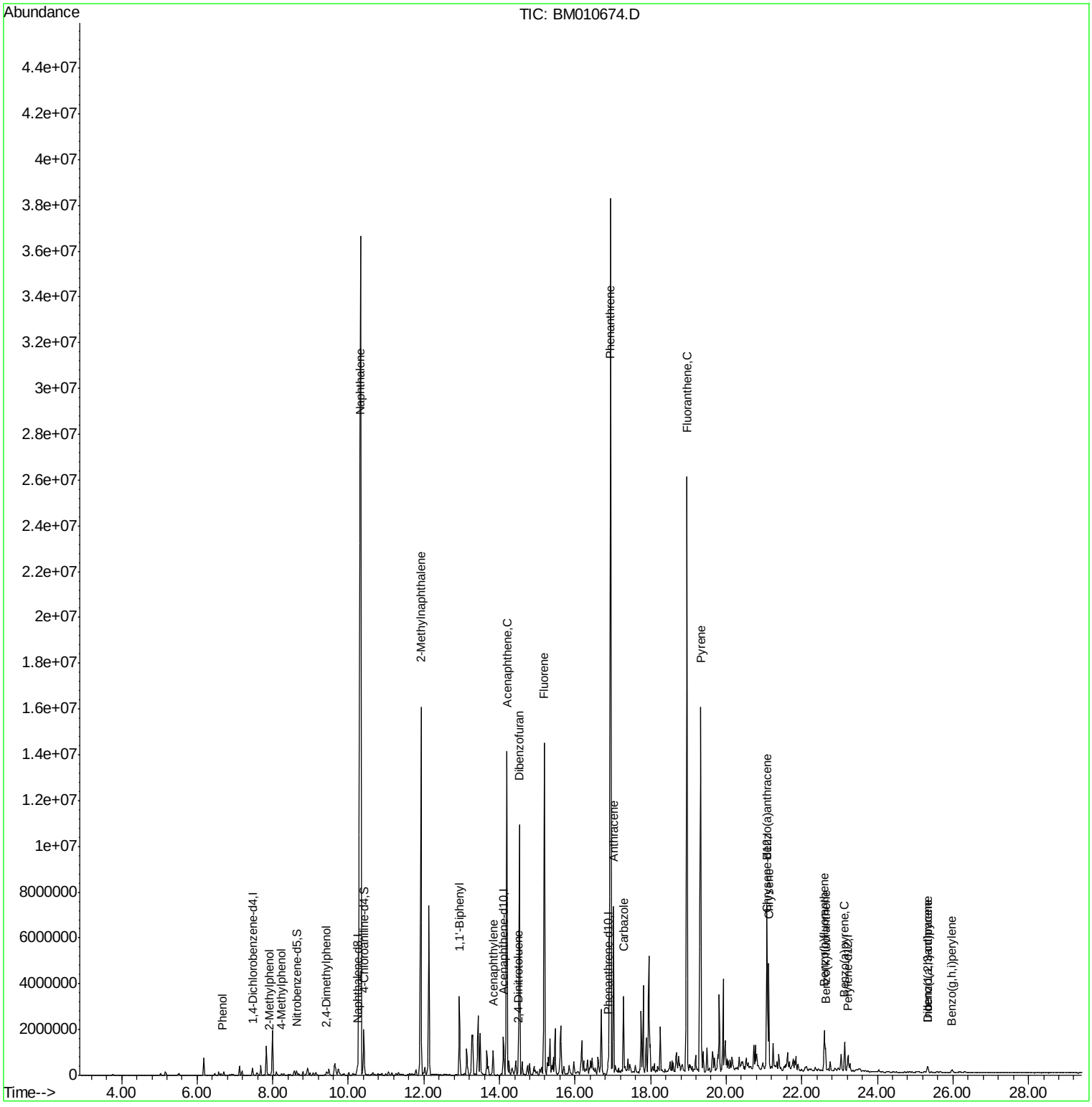
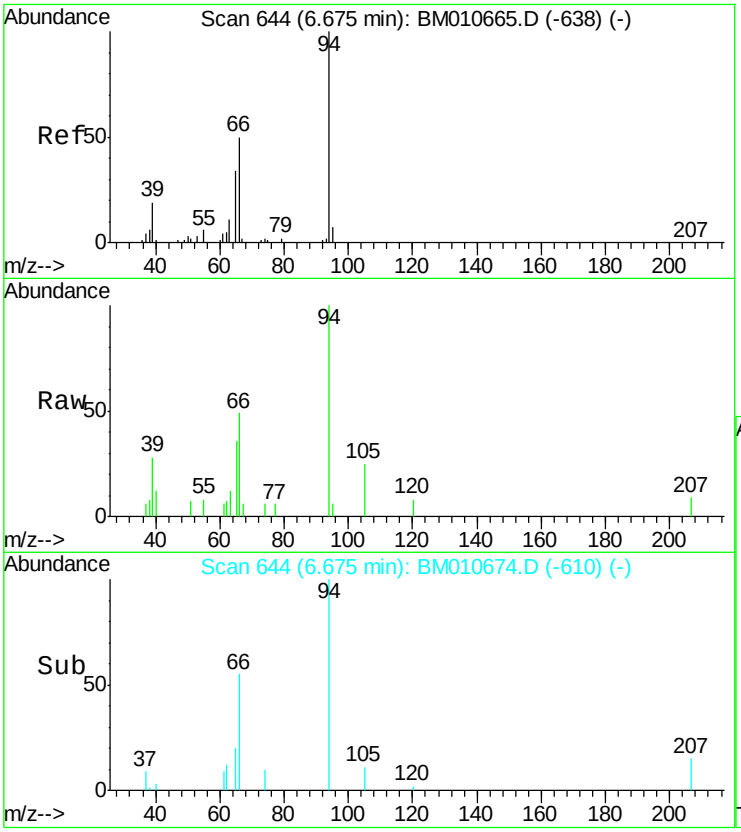
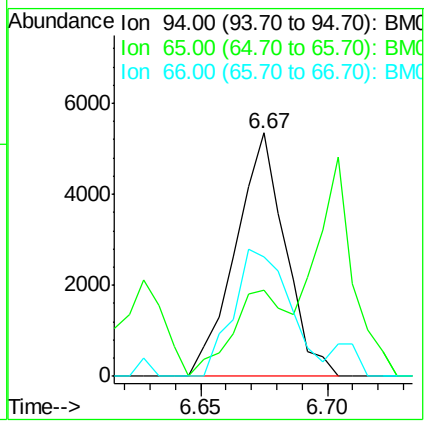




#6
Phenol
Concen: 1.080 ng/ul
RT: 6.67 min Scan# 644
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion: 94 Resp: 7336

Ion	Ratio	Lower	Upper
94	100		
65	35.5	28.2	42.4
66	48.9	47.2	70.8



Instrument :
BNA_M
ClientSampleId :
F5B22

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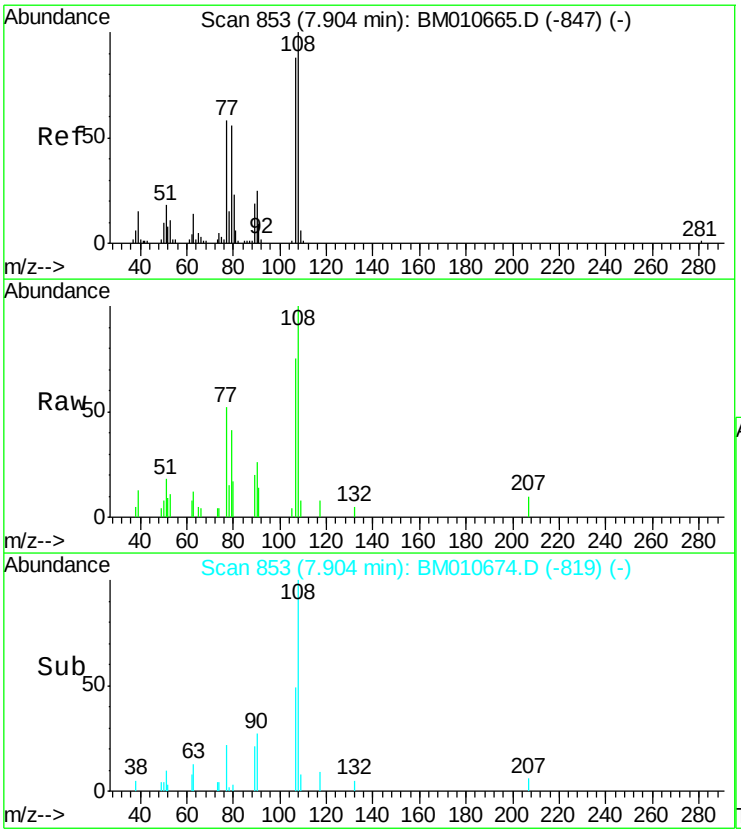
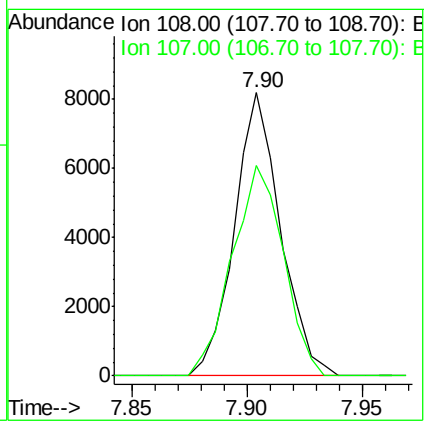
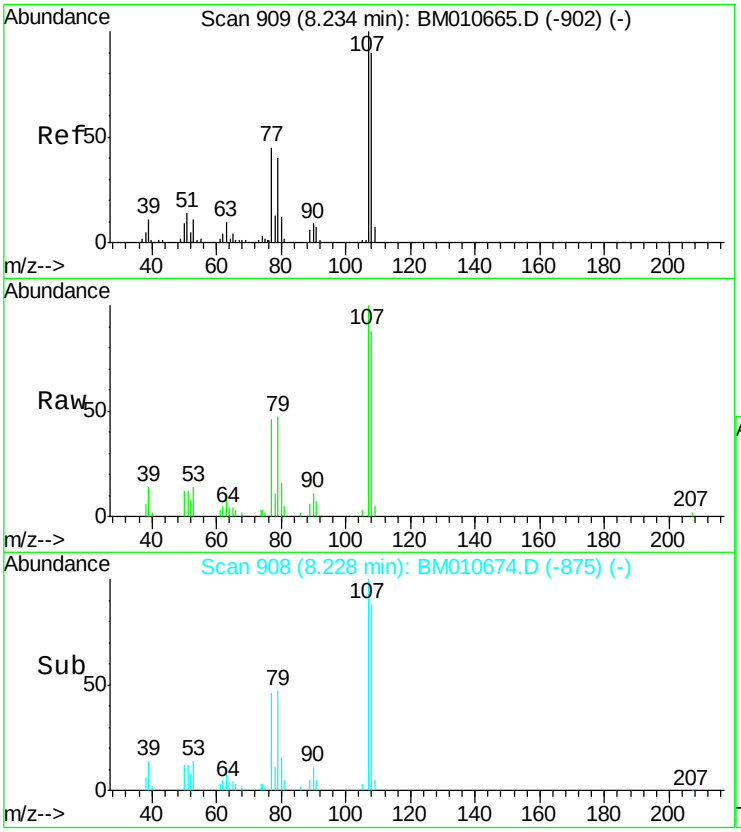


#11
2-Methylphenol
Concen: 2.206 ng/ul
RT: 7.90 min Scan# 853
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:108 Resp: 11421

Ion	Ratio	Lower	Upper
108	100		
107	74.6	72.6	108.8

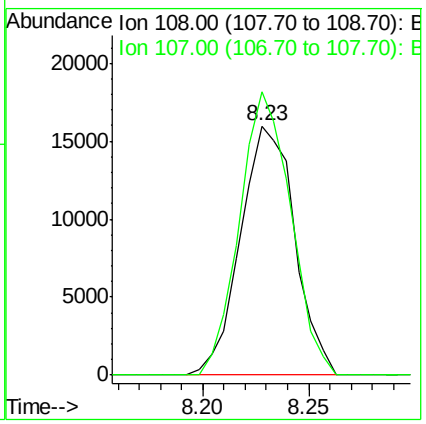




#16
4-Methylphenol
Concen: 4.999 ng/ul
RT: 8.23 min Scan# 908
Delta R.T. -0.01 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:108 Resp: 28483

Ion	Ratio	Lower	Upper
108	100		
107	113.6	84.9	127.3



Instrument :
BNA_M
ClientSampleId :
F5B22

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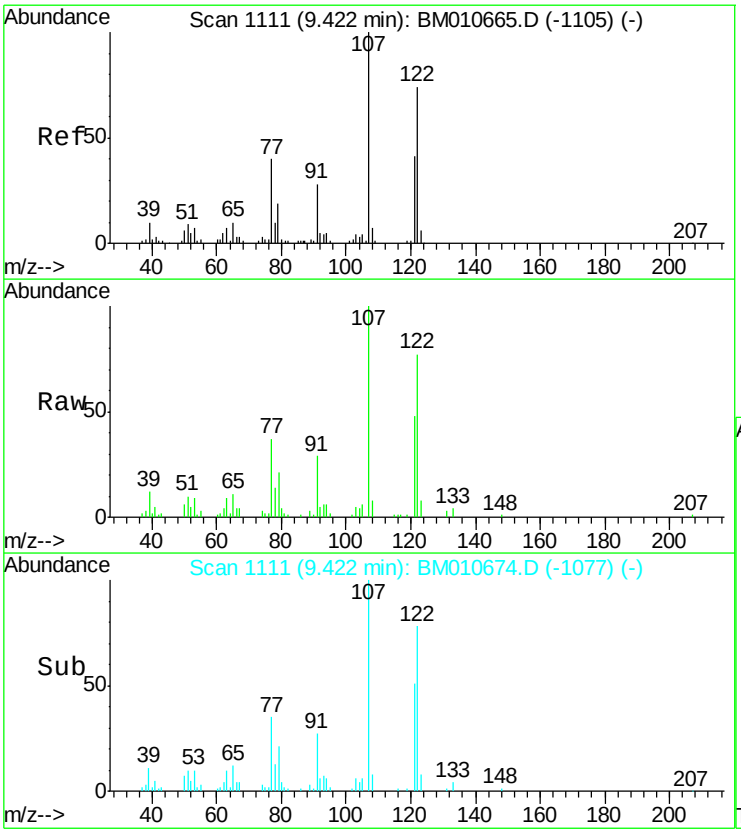
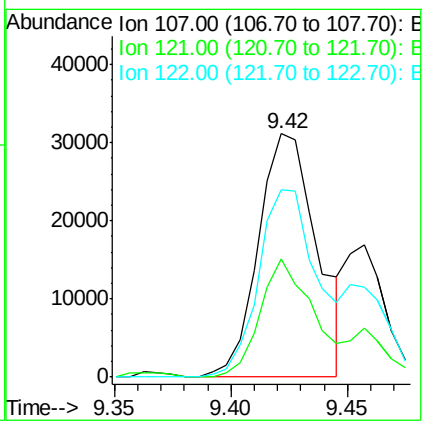
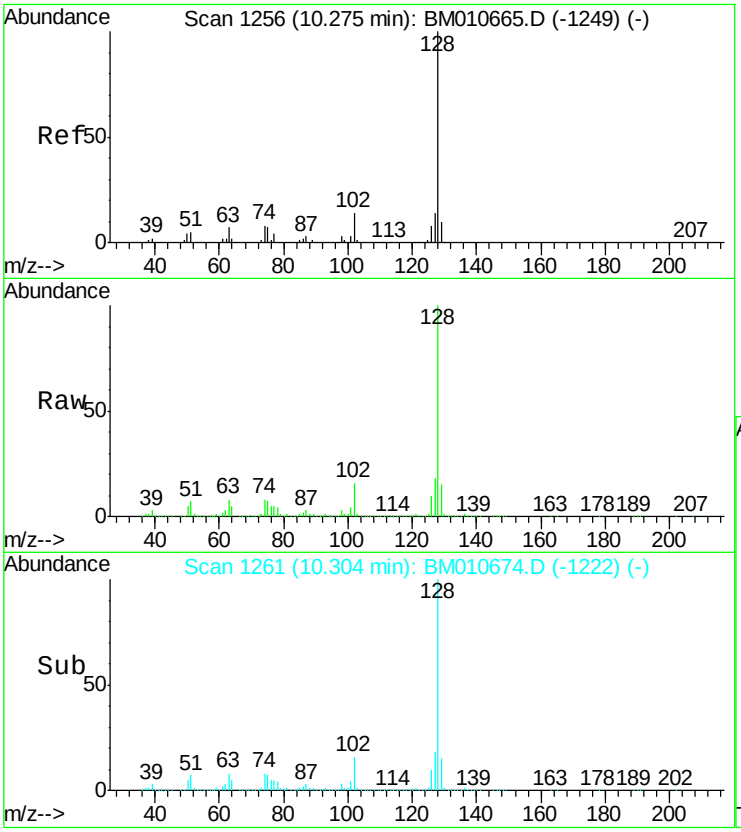


#24
2,4-Dimethylphenol
Concen: 7.794 ng/ul m
RT: 9.42 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:107 Resp: 54478

Ion	Ratio	Lower	Upper
107	100		
121	48.3	31.9	47.9#
122	76.8	57.8	86.6

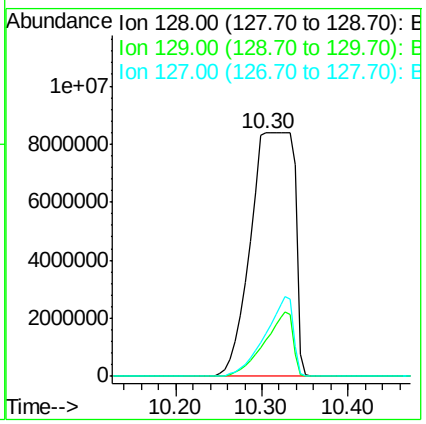




#28
Naphthalene
Concen: 1917.243 ng/ul m
RT: 10.30 min Scan# 1261
Delta R.T. 0.03 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:128 Resp:30076561

Ion	Ratio	Lower	Upper
128	100		
129	14.9	8.8	13.2#
127	17.7	10.6	16.0#



Instrument :
BNA_M
ClientSampleId :
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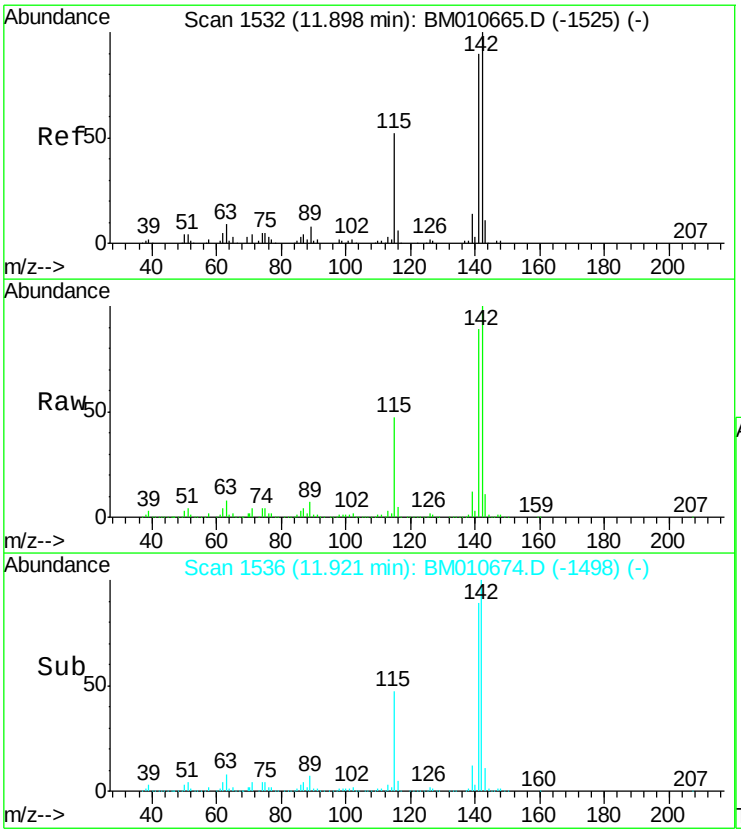
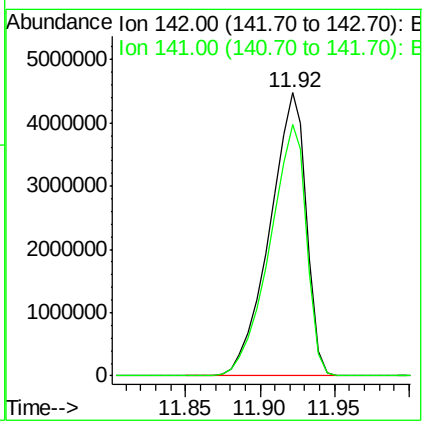
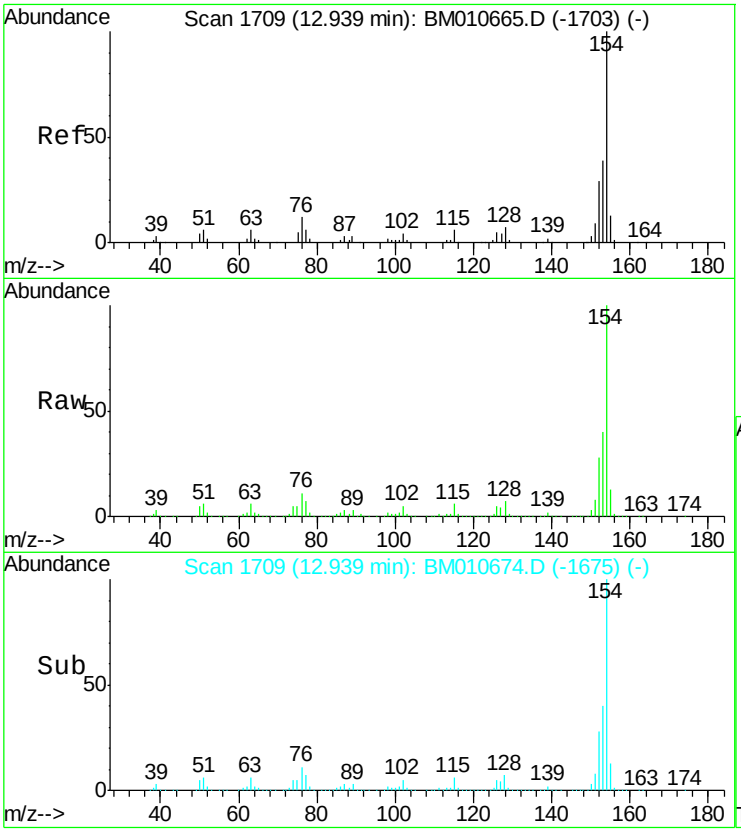


#34
2-Methylnaphthalene
Concen: 608.567 ng/ul
RT: 11.92 min Scan# 1536
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:142 Resp: 7674277

Ion	Ratio	Lower	Upper
142	100		
141	89.0	74.1	111.1

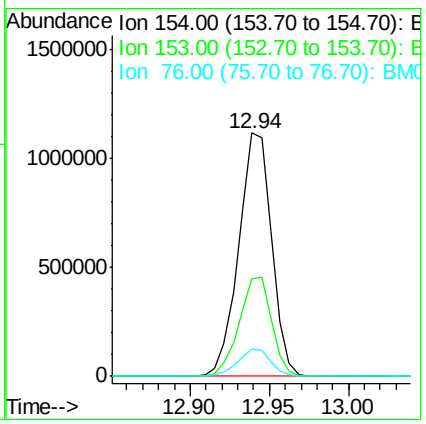




#40
1,1'-Biphenyl
Concen: 93.220 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:154 Resp: 1609045

Ion	Ratio	Lower	Upper
154	100		
153	40.2	32.6	48.8
76	11.4	8.5	12.7



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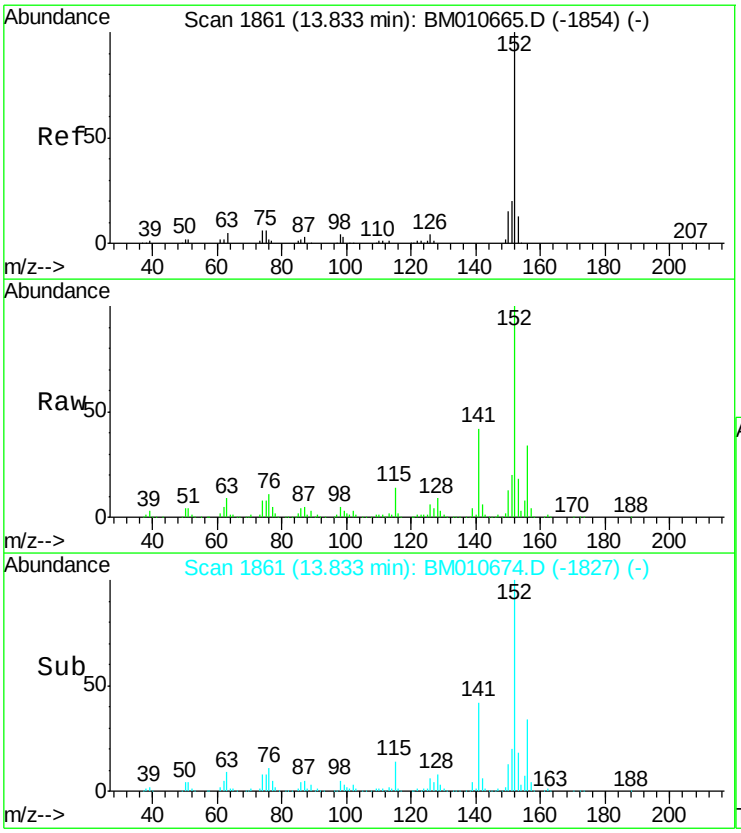
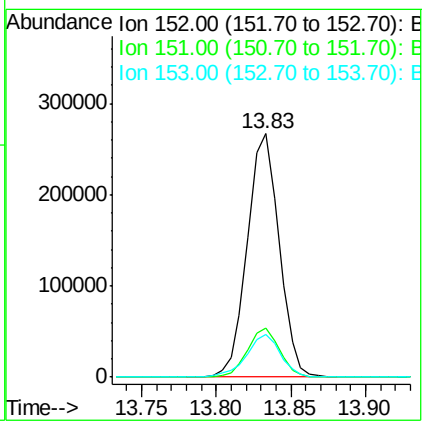
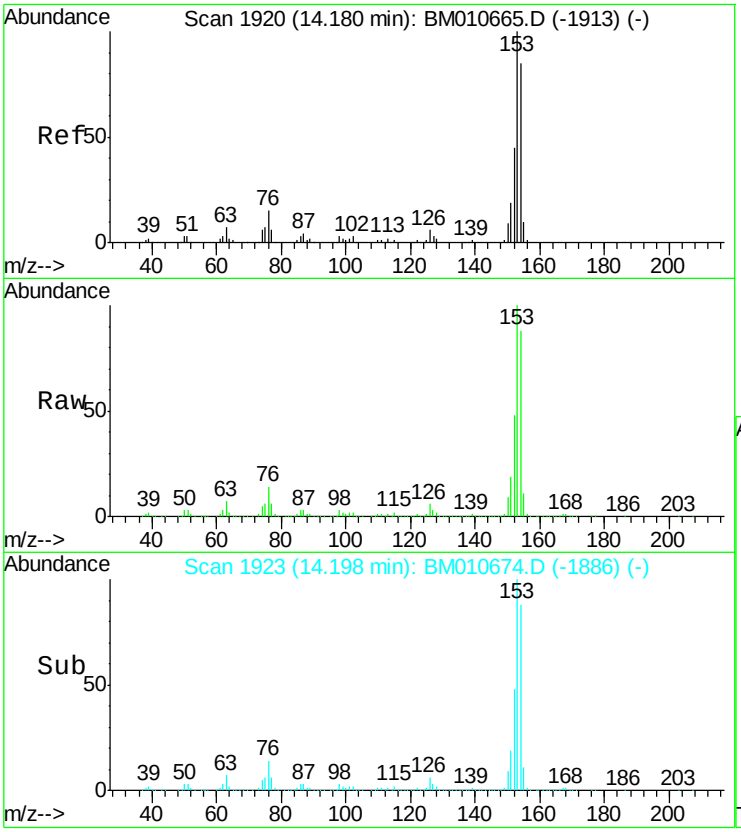


#47
Acenaphthylene
Concen: 18.364 ng/ul
RT: 13.83 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:152 Resp: 394302

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	17.7	10.2	15.4#

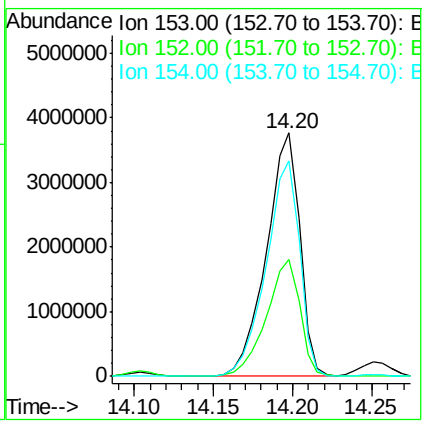




#49
Acenaphthene
Concen: 382.812 ng/ul
RT: 14.20 min Scan# 1923
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:153 Resp: 5544768

Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.6	56.4
154	88.5	70.4	105.6



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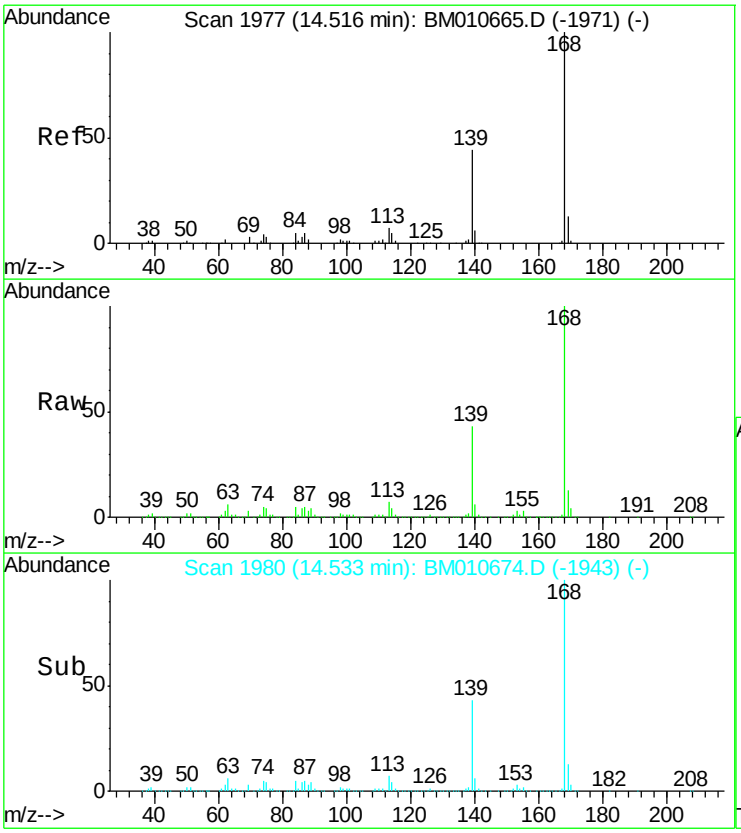
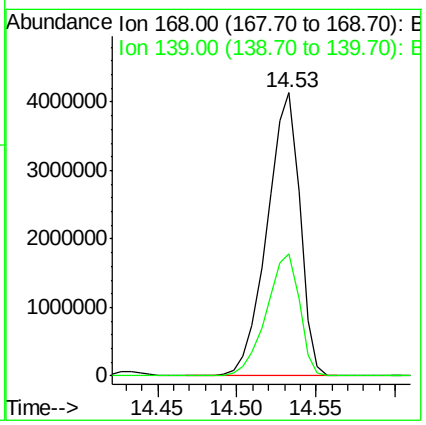
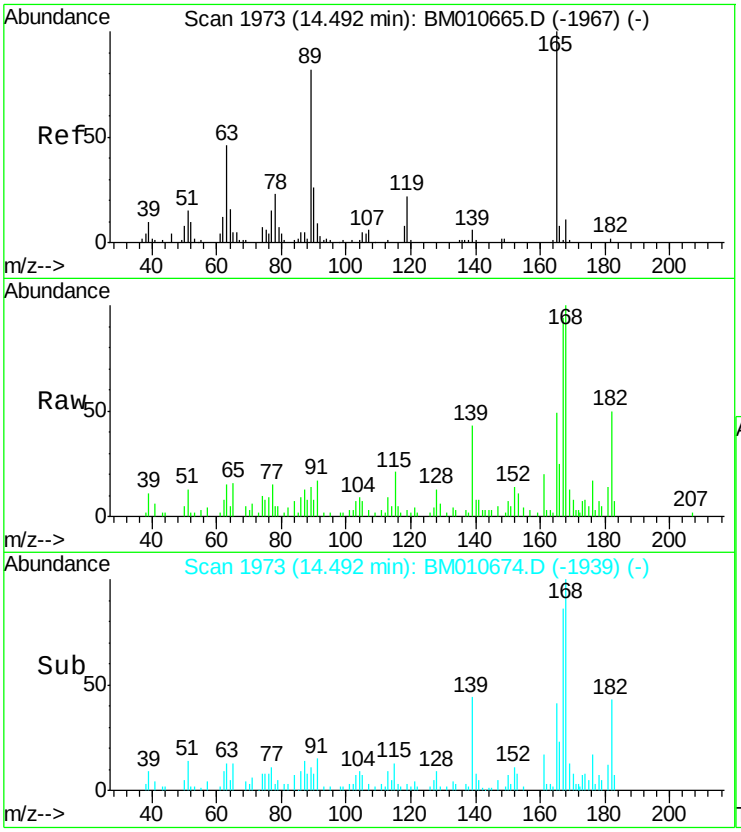


#53
Dibenzofuran
Concen: 271.821 ng/ul
RT: 14.53 min Scan# 1980
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:168 Resp: 5962486

Ion	Ratio	Lower	Upper
168	100		
139	43.2	30.8	46.2





#54
2,4-Dinitrotoluene
Concen: 2.413 ng/ul
RT: 14.49 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:165 Resp: 12317

Ion	Ratio	Lower	Upper
165	100		
63	31.2	45.8	68.8#
182	101.2	2.6	4.0#

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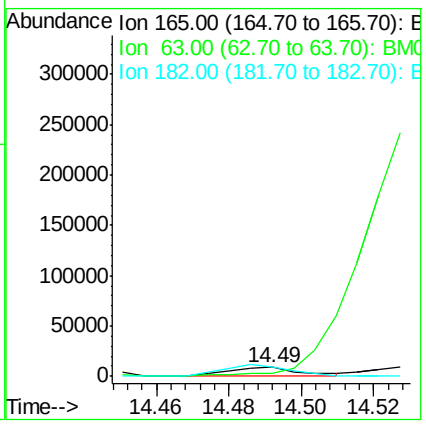
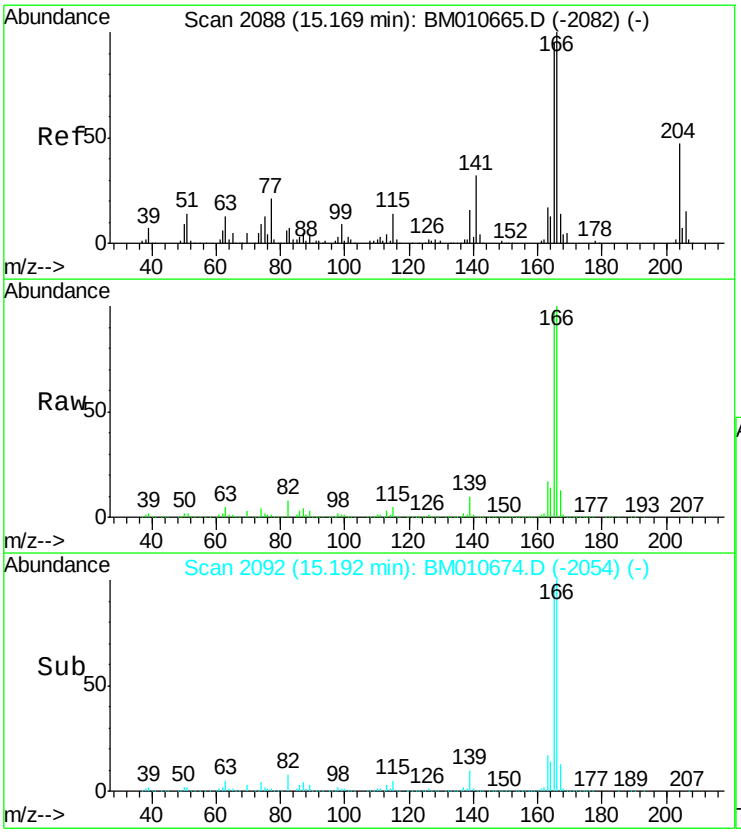
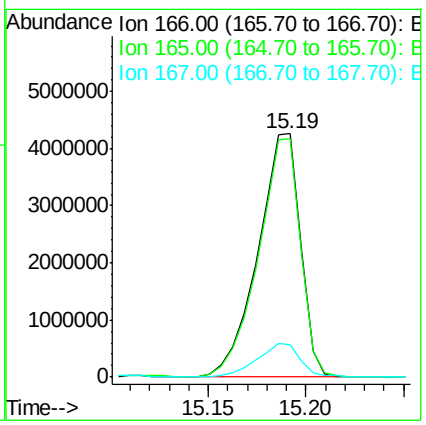


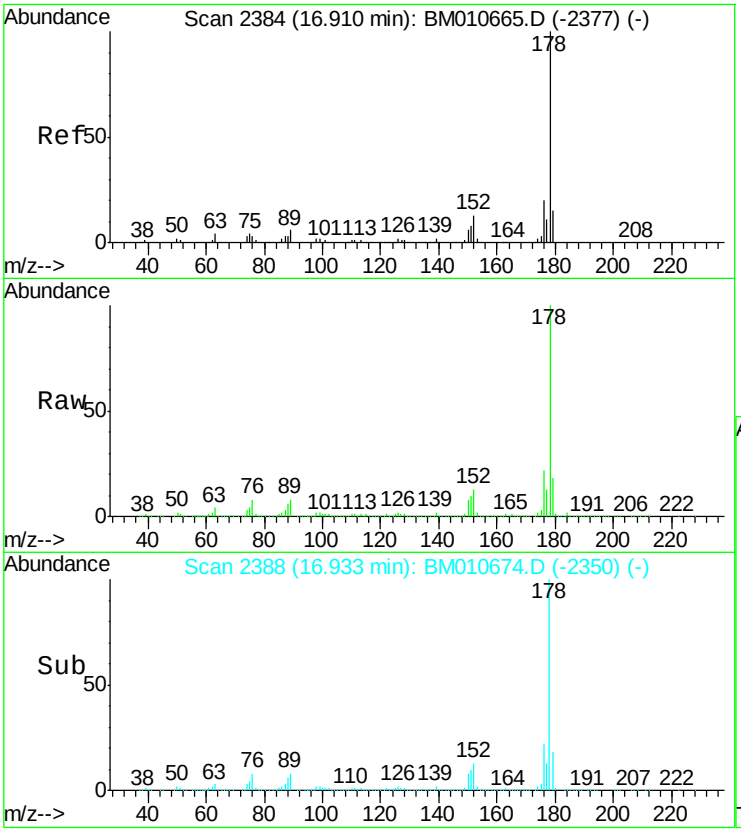


#58
Fluorene
Concen: 347.650 ng/ul
RT: 15.19 min Scan# 2092
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:166 Resp: 6384700

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.9	116.9
167	13.1	10.6	16.0

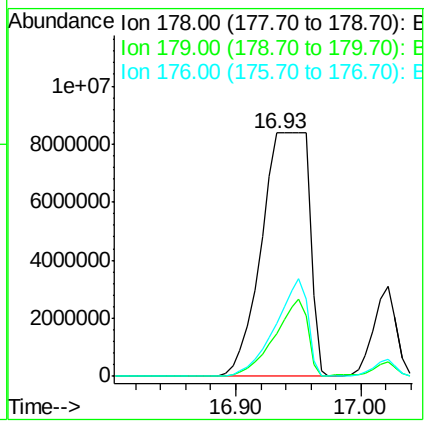




#69
Phenanthrene
Concen: 827.881 ng/ul m
RT: 16.93 min Scan# 2388
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:178 Resp:22136932

Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.6	19.0
176	21.8	14.9	22.3



Instrument :
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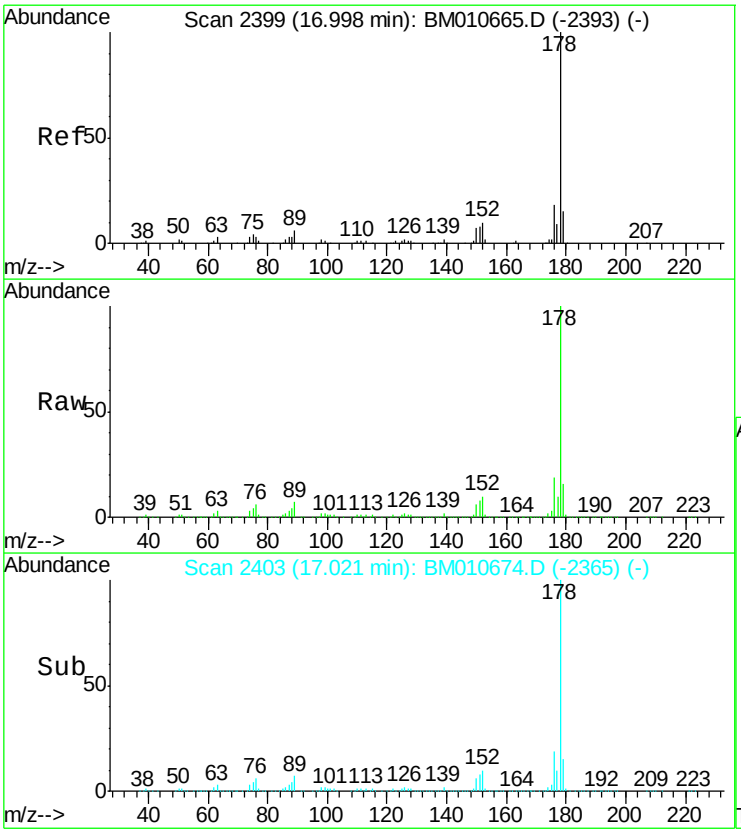
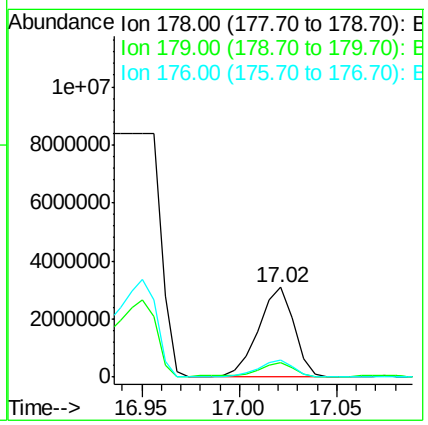
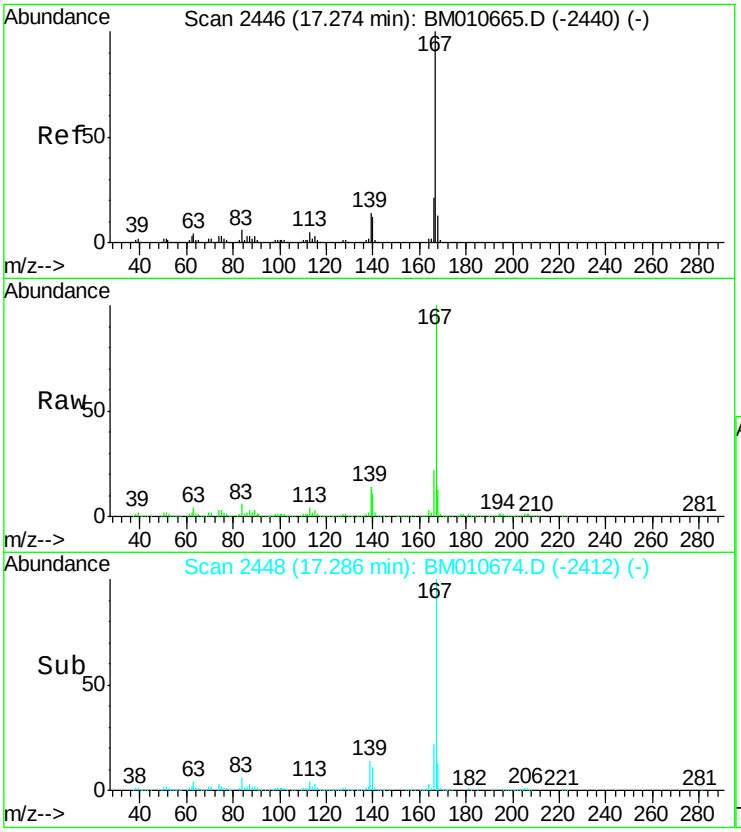


#71
Anthracene
Concen: 141.209 ng/ul
RT: 17.02 min Scan# 2403
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:178 Resp: 3890000

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	19.1	14.6	21.8





#72
Carbazole
Concen: 74.485 ng/ul
RT: 17.29 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:167 Resp: 1790168

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	14.1	10.0	15.0

Instrument :
BNA_M
ClientSampleId :
F5B22

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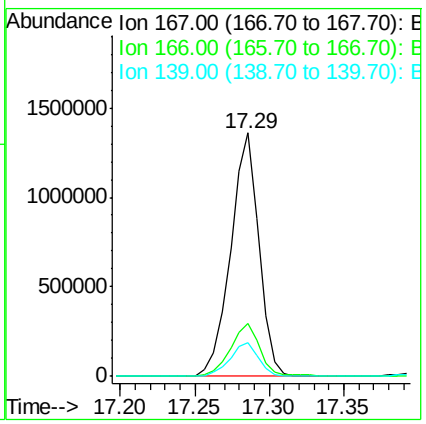
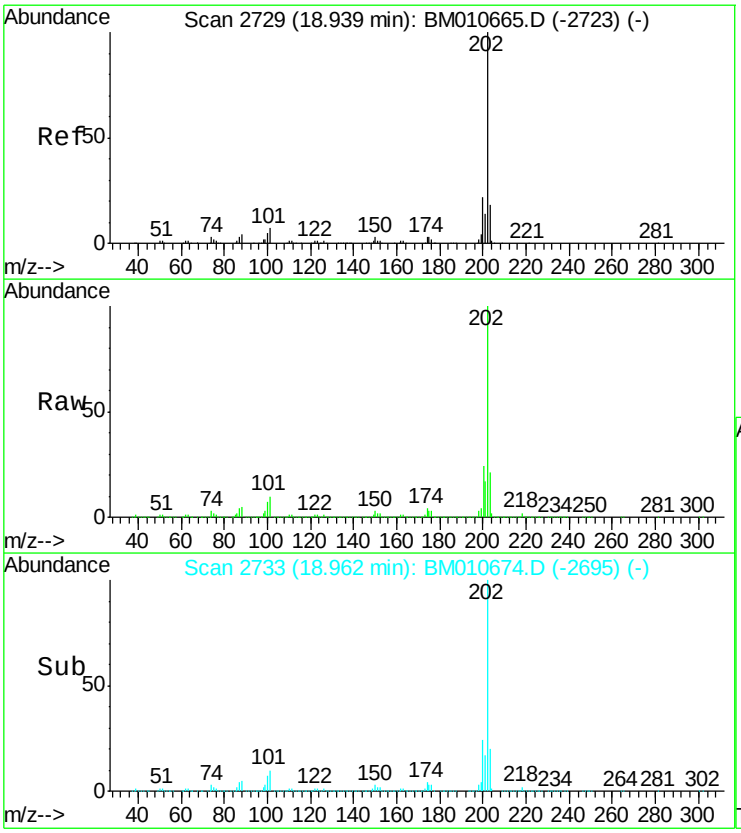
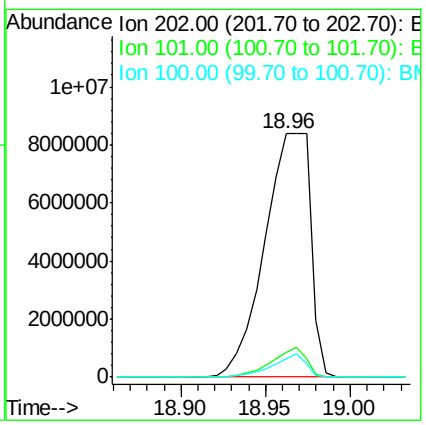


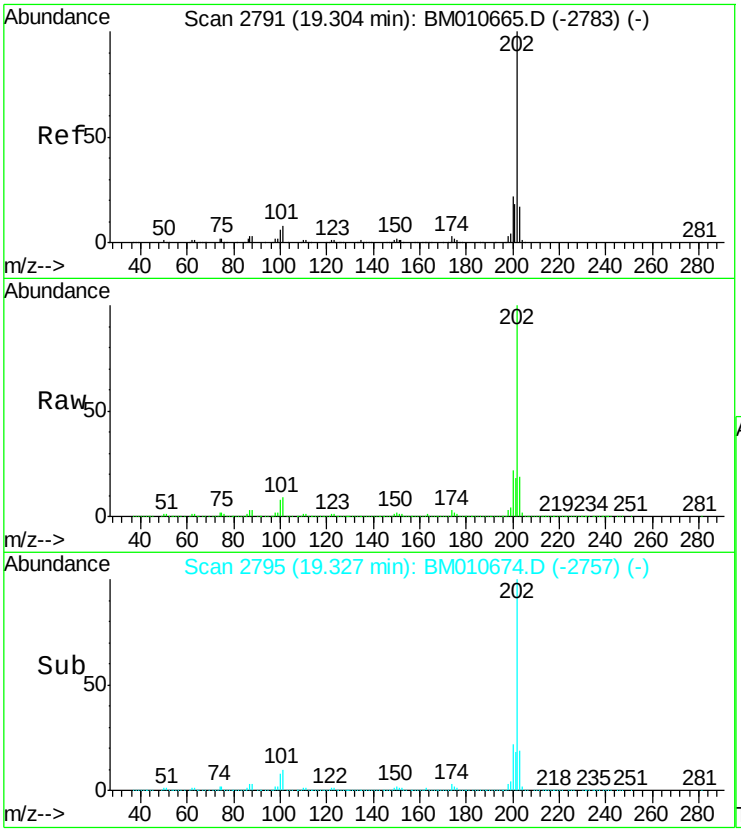


#74
Fluoranthene
Concen: 459.778 ng/ul
RT: 18.96 min Scan# 2733
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:202 Resp:15844186

Ion	Ratio	Lower	Upper
202	100		
101	10.0	4.6	7.0#
100	7.5	3.4	5.2#





#77
Pyrene
Concen: 317.381 ng/ul
RT: 19.33 min Scan# 2795
Delta R.T. 0.02 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:202 Resp:11005774

Ion	Ratio	Lower	Upper
202	100		
101	9.5	5.1	7.7#
100	7.7	4.9	7.3#

Instrument :
BNA_M
ClientSampleId :
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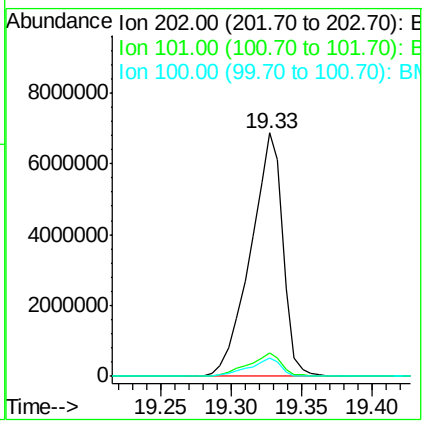
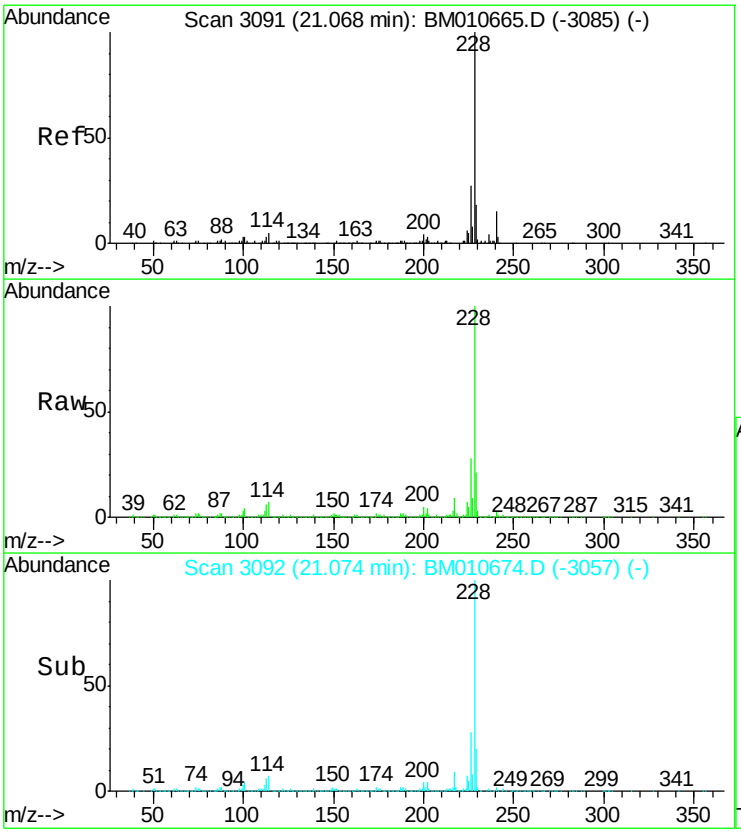
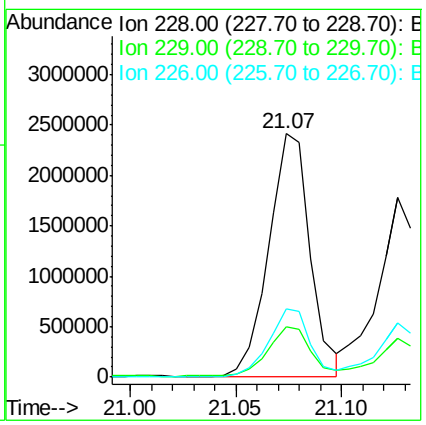


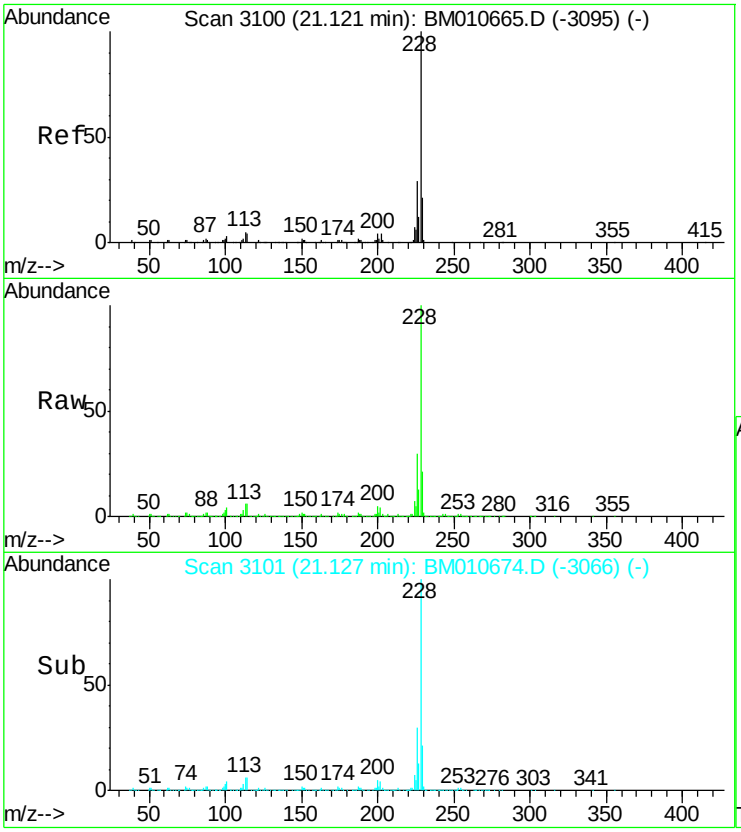


#80
Benzo(a)anthracene
Concen: 93.852 ng/ul
RT: 21.07 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:228 Resp: 3281150

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	27.9	21.4	32.0

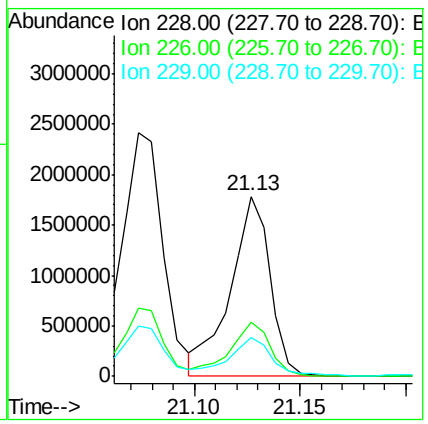




#82
Chrysene
Concen: 73.980 ng/ul
RT: 21.13 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:228 Resp: 2306051

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.4	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
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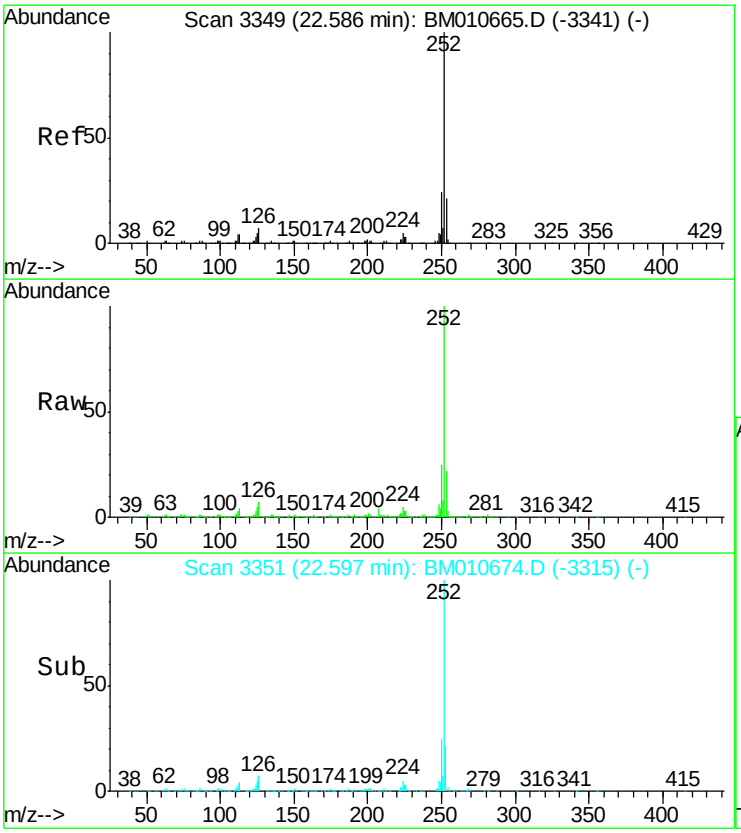
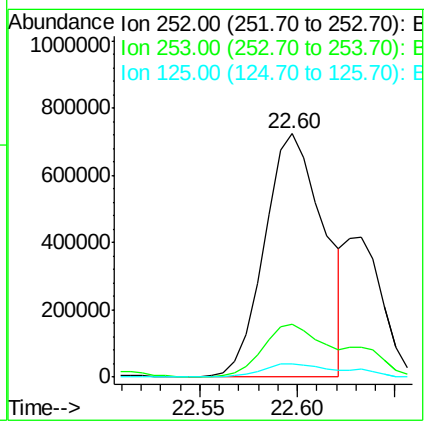
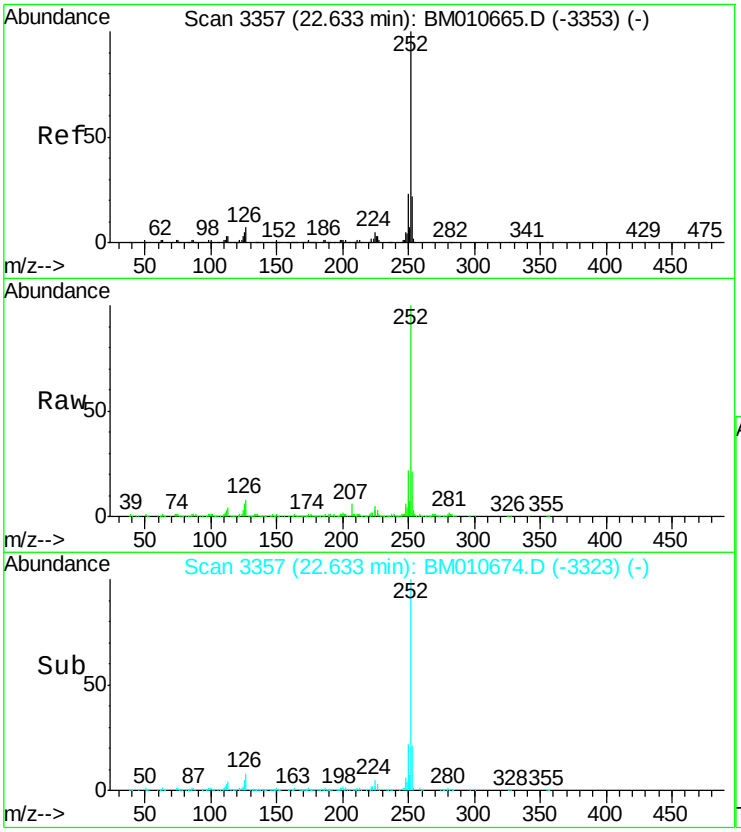


#85
Benzo(b)fluoranthene
Concen: 49.220 ng/ul
RT: 22.60 min Scan# 3351
Delta R.T. 0.01 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:252 Resp: 1522271

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	5.4	3.6	5.4

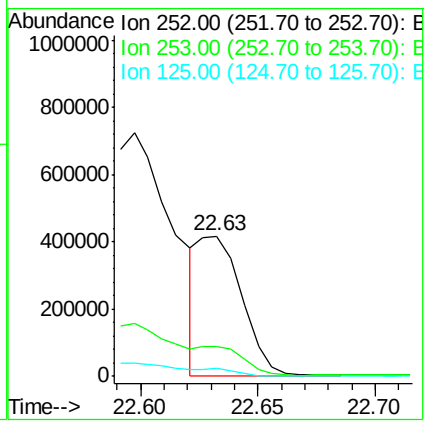




#86
Benzo(k)fluoranthene
Concen: 18.467 ng/ul m
RT: 22.63 min Scan# 3357
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:252 Resp: 541455

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	5.6	3.4	5.2#



Instrument :
BNA_M
ClientSampleId :
F5B22

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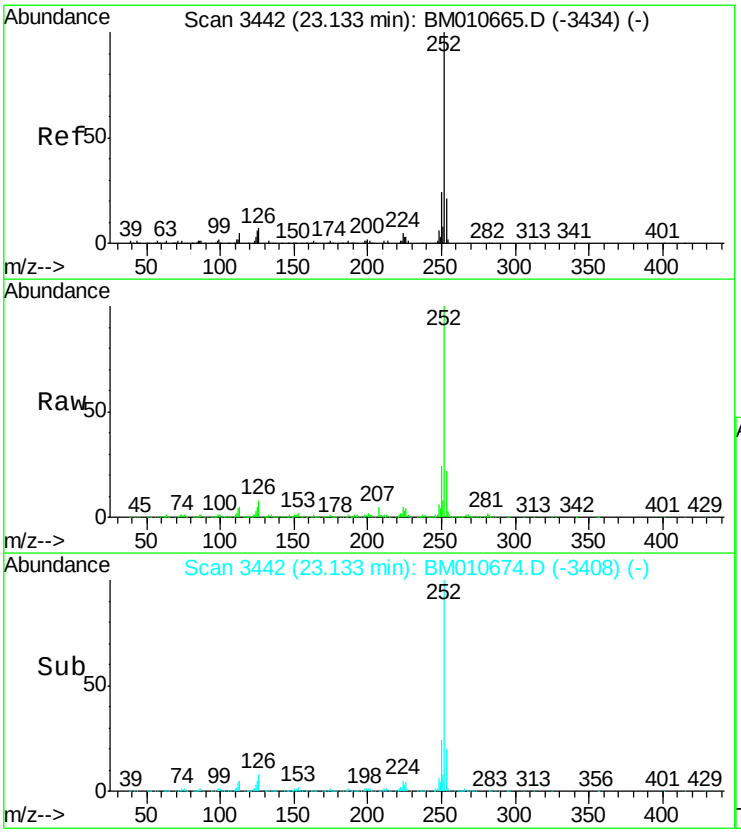
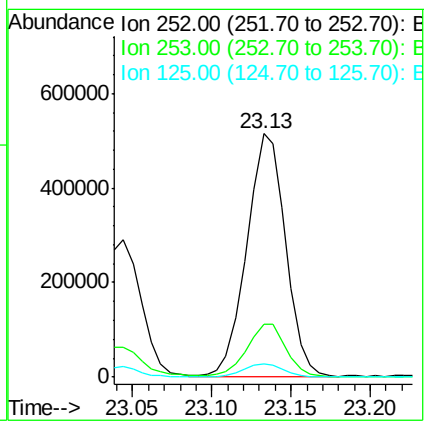
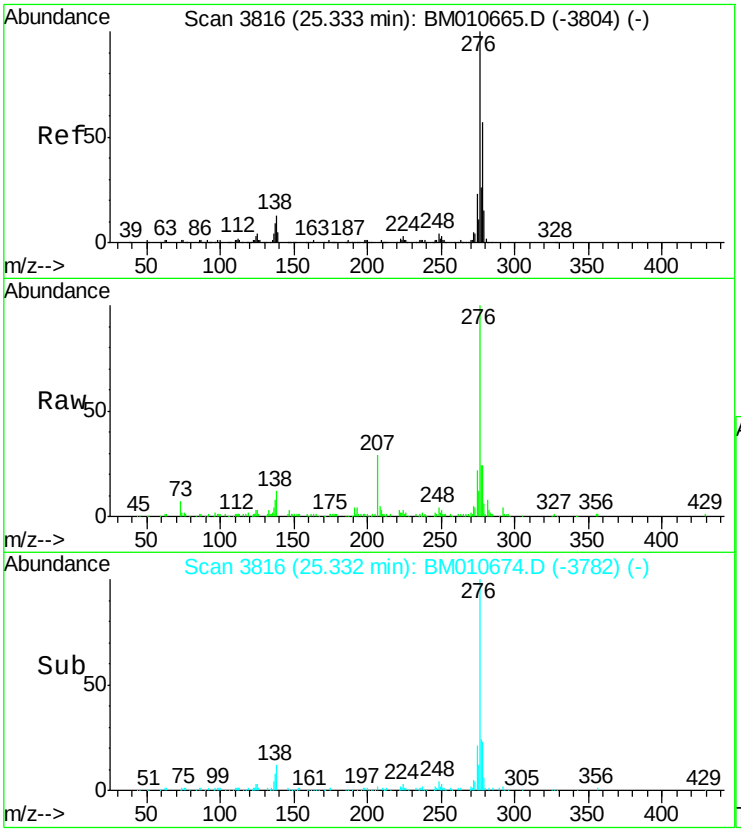


#88
Benzo(a)pyrene
Concen: 30.478 ng/ul
RT: 23.13 min Scan# 3442
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:252 Resp: 867807

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	5.4	4.0	6.0

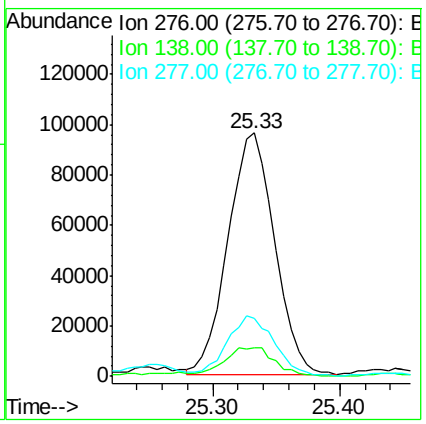




#89
Indeno(1,2,3-cd)pyrene
Concen: 8.296 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:276 Resp: 244988

Ion	Ratio	Lower	Upper
276	100		
138	11.9	9.3	13.9
277	23.9	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
F5B22

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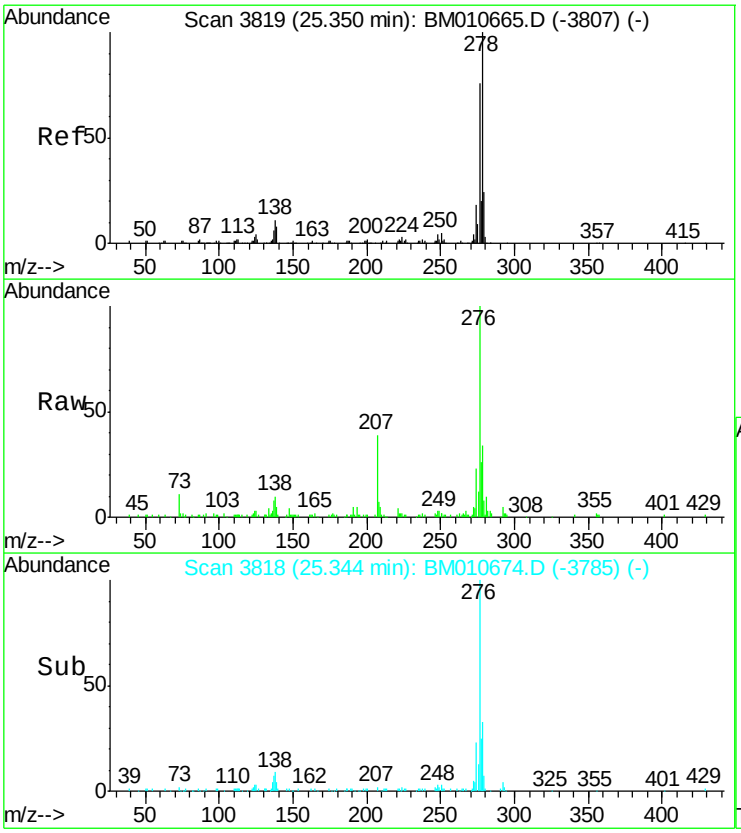
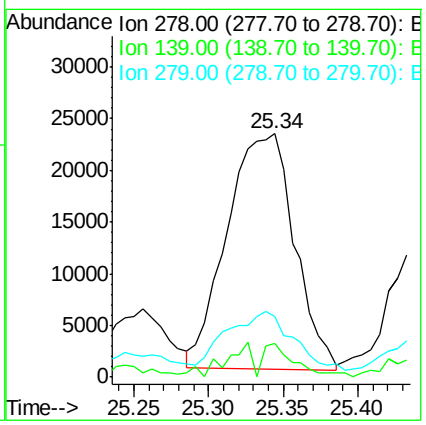
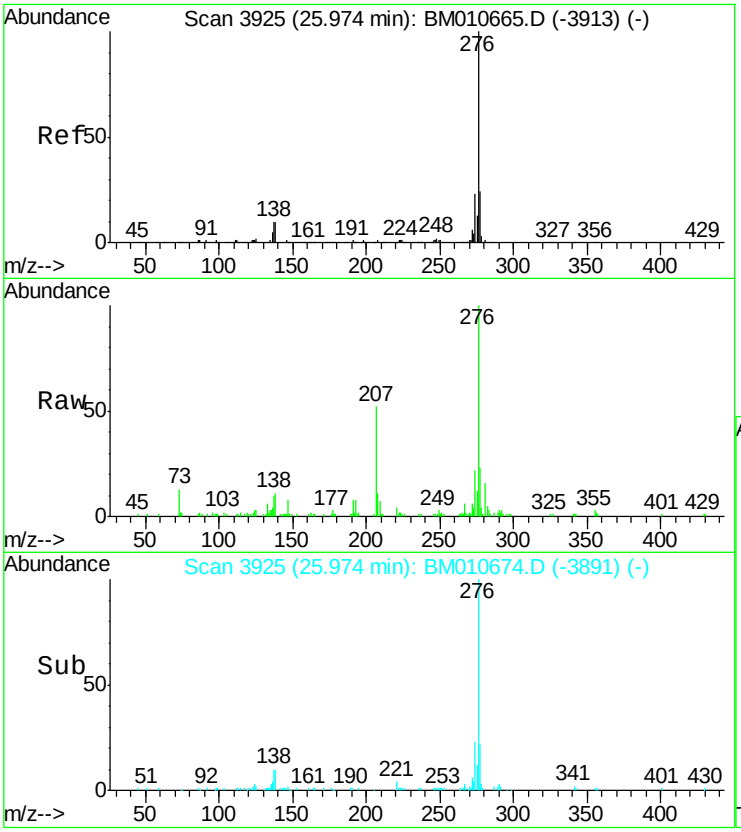


#90
Dibenzo(a,h)anthracene
Concen: 2.890 ng/ul
RT: 25.34 min Scan# 3818
Delta R.T. -0.01 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:278 Resp: 71124

Ion	Ratio	Lower	Upper
278	100		
139	15.8	5.8	8.8#
279	25.0	18.6	27.8

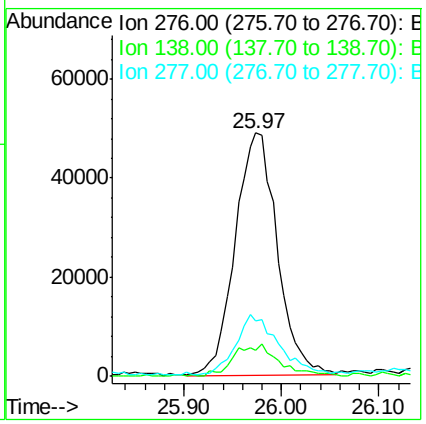




#91
Benzo(g,h,i)perylene
Concen: 6.212 ng/ul
RT: 25.97 min Scan# 3925
Delta R.T. -0.00 min
Lab File: BM010674.D
Acq: 22 Jun 2017 23:45

Tgt Ion:276 Resp: 146041

Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.5	12.7
277	23.0	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
F5B22

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