Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010566.D
Acq On : 13 Jun 2017 18:43
Operator : SJ/MA
Sample : I3558-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C88

Manual Integrations APPROVED
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Quant Time: Jun 14 08:35:29 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	137892	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	862034	20.00	ng/ul	0.08
35) Acenaphthene-d10	14.53	164	470426	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1120353m	20.00	ng/ul	0.02
75) Chrysene-d12	21.45	240	2152122m	20.00	ng/ul	0.01
83) Perylene-d12	23.78	264	1352623	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.38	96	513	0.15	ng/uL	0.02
5) Phenol-d5	7.07	99	14586	1.40	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	8610	1.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	13542	1.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	12856	1.52	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	21257m	3.37	ng/ul	-0.03
22) 2-Nitrophenol-d4	9.78	143	8485	1.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	16412	1.09	ng/ul	0.02
29) 4-Chloroaniline-d4	10.86	131	280235m	19.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	86280	2.21	ng/ul	0.01
46) Acenaphthylene-d8	14.22	160	76321	1.67	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.52	176	65366	1.90	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.69	200	12756m	1.61	ng/ul	0.04
70) Anthracene-d10	17.40	188	123612	2.27	ng/ul	0.03
76) Pyrene-d10	19.67	212	205276	2.31	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.63	264	117981	1.87	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.10	94	54840	5.119	ng/ul	94
11) 2-Methylphenol	8.34	108	44851	5.736	ng/ul	98
16) 4-Methylphenol	8.67	108	118204	13.781	ng/ul	93
24) 2,4-Dimethylphenol	9.87	107	156676	8.689	ng/ul	96
28) Naphthalene	10.74	128	53194260m	1230.286	ng/ul	
34) 2-Methylnaphthalene	12.35	142	27823783m	848.755	ng/ul	
40) 1,1'-Biphenyl	13.36	154	11641327	305.047	ng/ul	96
42) 2-Nitroaniline	13.70	65	166276m	21.776	ng/ul	
44) Dimethylphthalate	13.99	163	39846	1.037	ng/ul#	96
47) Acenaphthylene	14.25	152	1825629	40.973	ng/ul#	97
49) Acenaphthene	14.59	153	24203449m	774.520	ng/ul	
53) Dibenzofuran	14.93	168	22724444m	491.781	ng/ul	
58) Fluorene	15.57	166	24069731m	635.021	ng/ul	
69) Phenanthrene	17.32	178	41773786m	698.438	ng/ul	
71) Anthracene	17.43	178	17614312m	282.101	ng/ul	
72) Carbazole	17.70	167	11659499	220.615	ng/ul	95
74) Fluoranthene	19.33	202	33069314m	449.618	ng/ul	
77) Pyrene	19.69	202	31827382m	286.991	ng/ul	
80) Benzo(a)anthracene	21.43	228	19837243m	163.456	ng/ul	
82) Chrysene	21.49	228	15566837	141.895	ng/ul#	71
85) Benzo(b)fluoranthene	23.08	252	15294513	194.323	ng/ul	99
86) Benzo(k)fluoranthene	23.11	252	5939343	78.992	ng/ul	99
88) Benzo(a)pyrene	23.69	252	9501385	121.788	ng/ul	99

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Misc :
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Quant Time: Jun 14 08:35:29 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.16	276	2821338	28.624	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.16	278	827540	9.748	ng/ul#	91
91) Benzo(g,h,i)perylene	26.90	276	1842376	22.689	ng/ul	98

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

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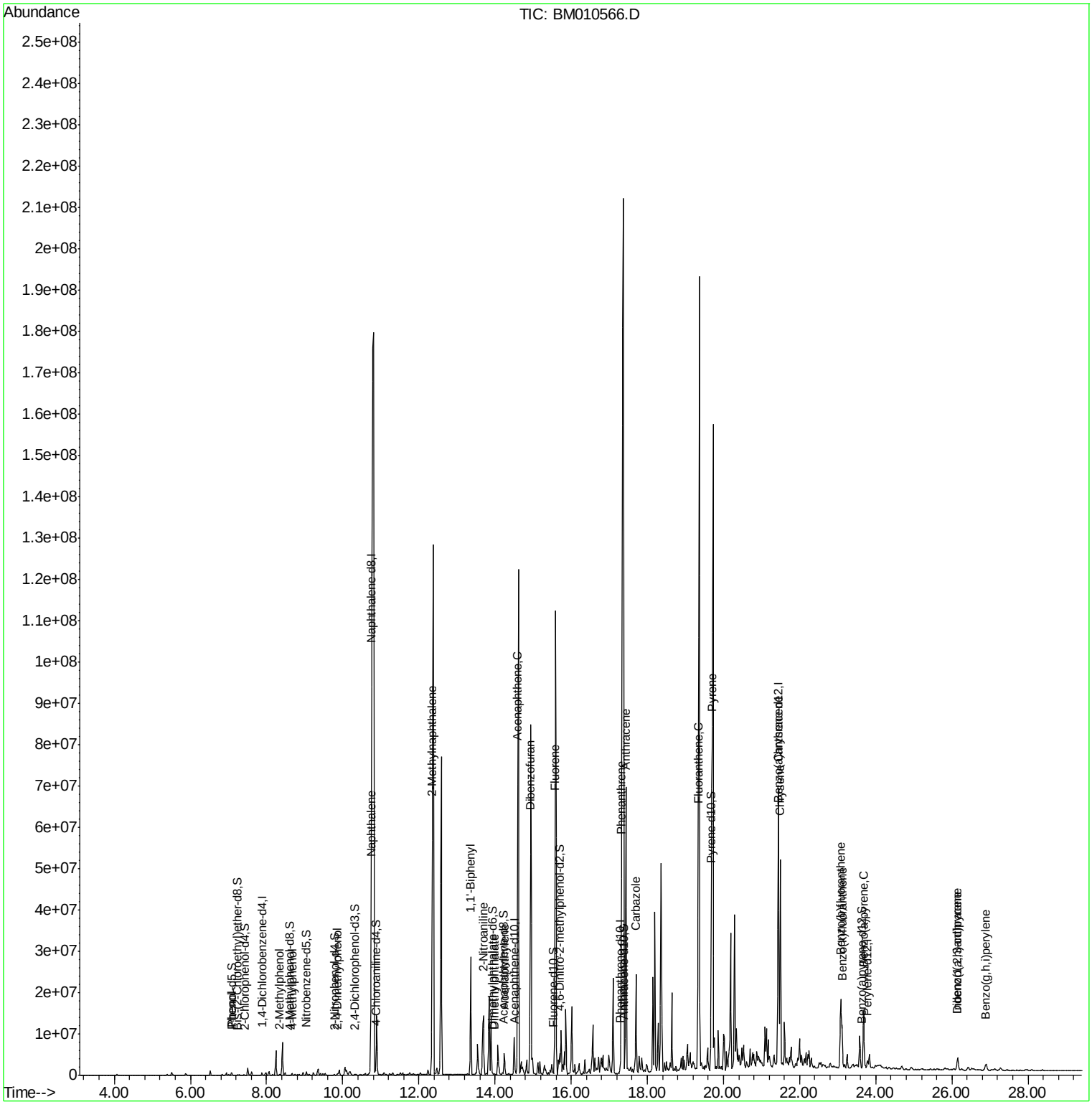
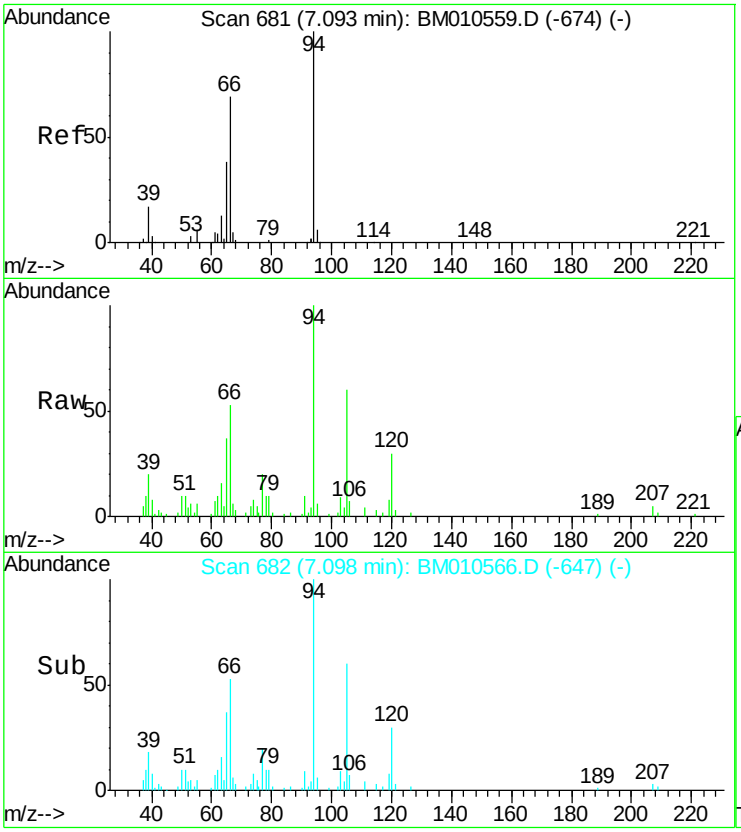
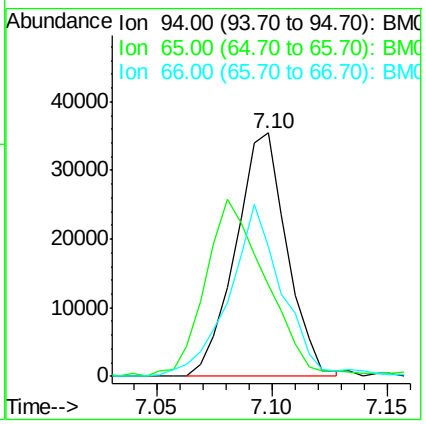




#6
Phenol
Concen: 5.119 ng/ul
RT: 7.10 min Scan# 682
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion: 94 Resp: 54840

Ion	Ratio	Lower	Upper
94	100		
65	37.3	28.2	42.4
66	53.3	47.2	70.8



Instrument :
BNA_M
ClientSampleId :
F5C88

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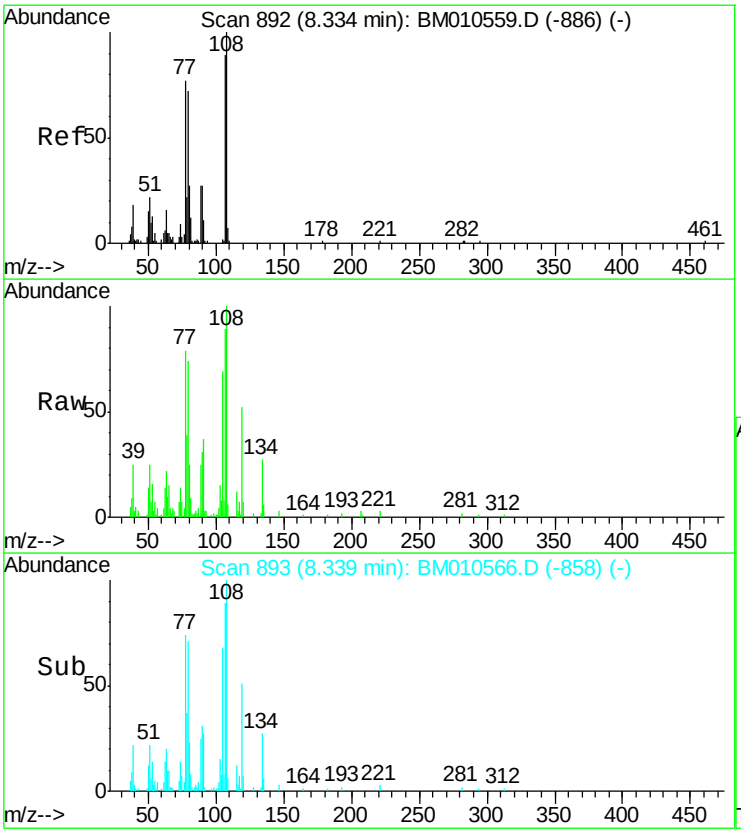
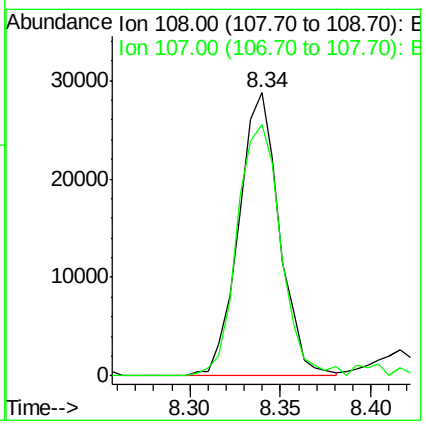
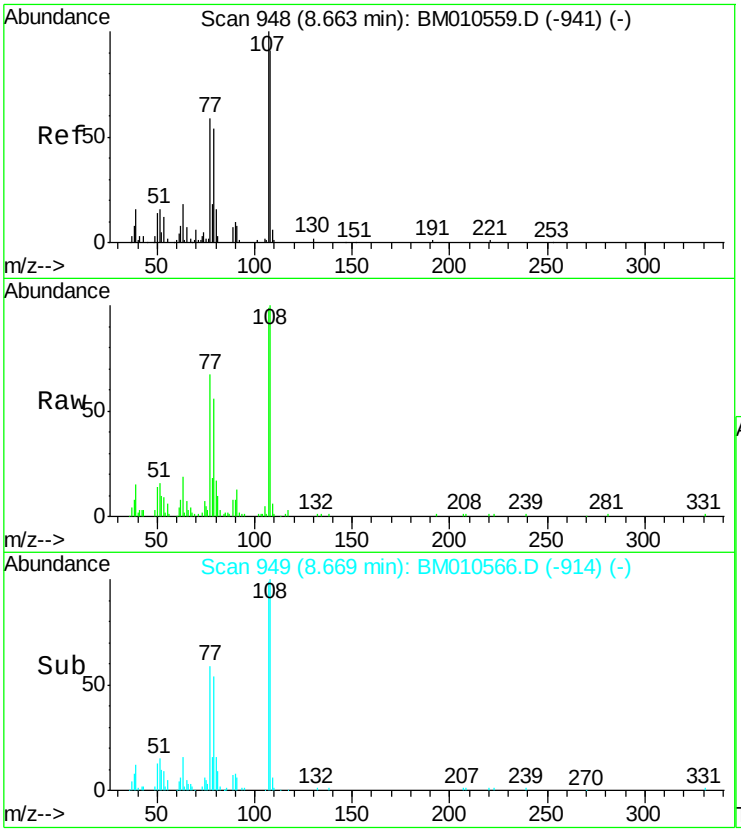


#11
2-Methylphenol
Concen: 5.736 ng/ul
RT: 8.34 min Scan# 893
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:108 Resp: 44851

Ion	Ratio	Lower	Upper
108	100		
107	88.8	72.6	108.8

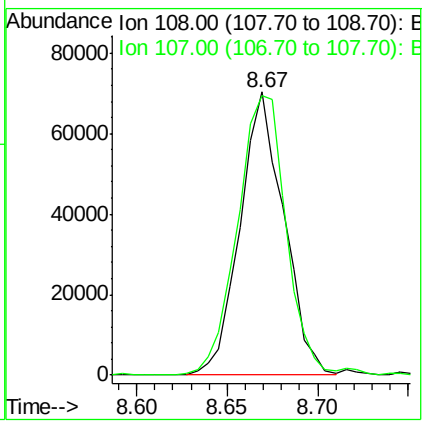




#16
4-Methylphenol
Concen: 13.781 ng/ul
RT: 8.67 min Scan# 949
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:108 Resp: 118204

Ion	Ratio	Lower	Upper
108	100		
107	98.6	84.9	127.3



Instrument :
BNA_M
ClientSampleId :
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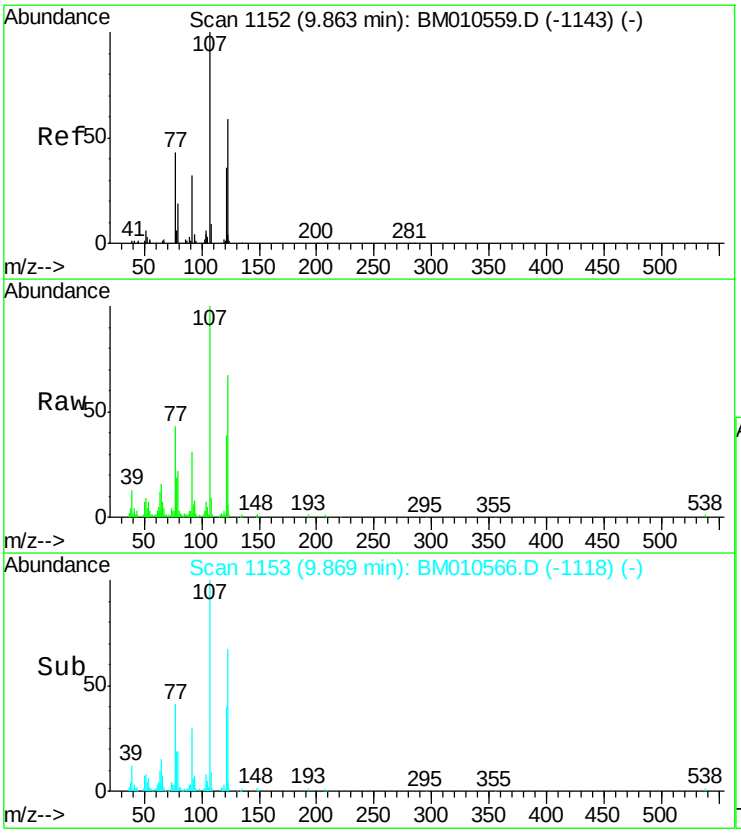
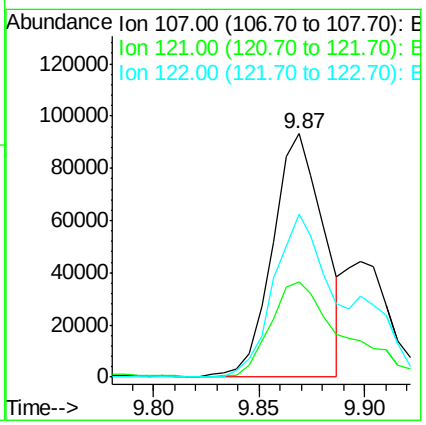
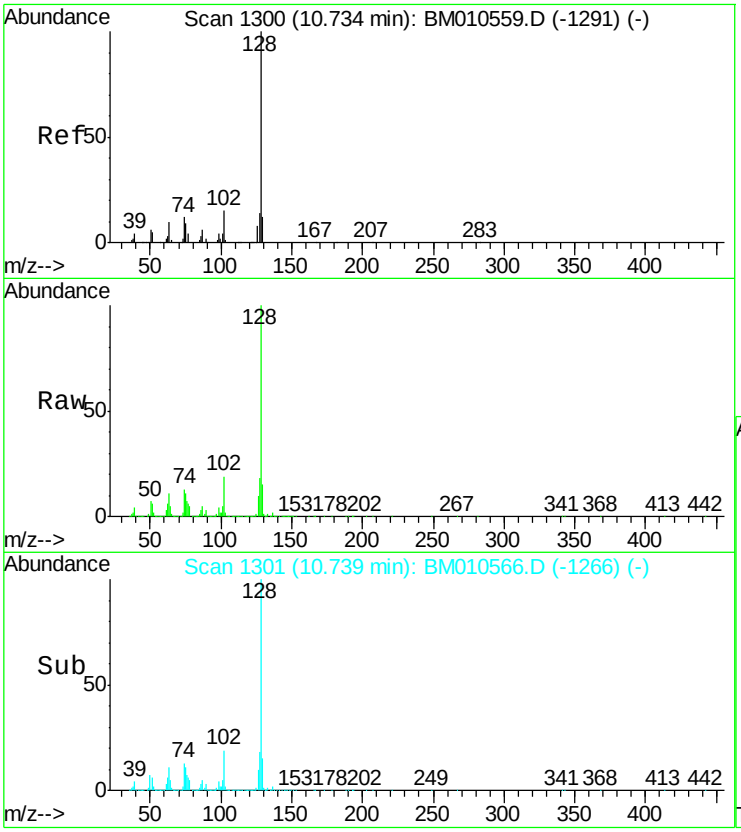


#24
2,4-Dimethylphenol
Concen: 8.689 ng/ul
RT: 9.87 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:107 Resp: 156676

Ion	Ratio	Lower	Upper
107	100		
121	39.0	31.9	47.9
122	67.0	57.8	86.6

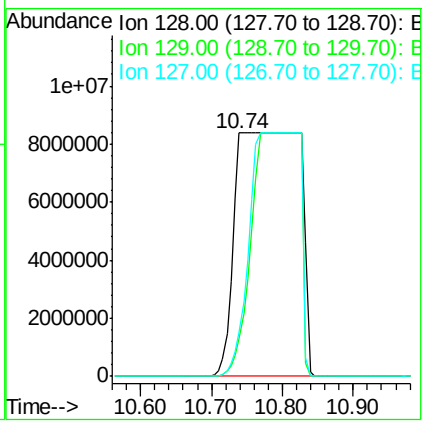




#28
Naphthalene
Concen: 1230.286 ng/ul m
RT: 10.74 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:128 Resp:53194260

Ion	Ratio	Lower	Upper
128	100		
129	15.3	8.8	13.2#
127	18.0	10.6	16.0#



Instrument :
BNA_M
ClientSampleId :
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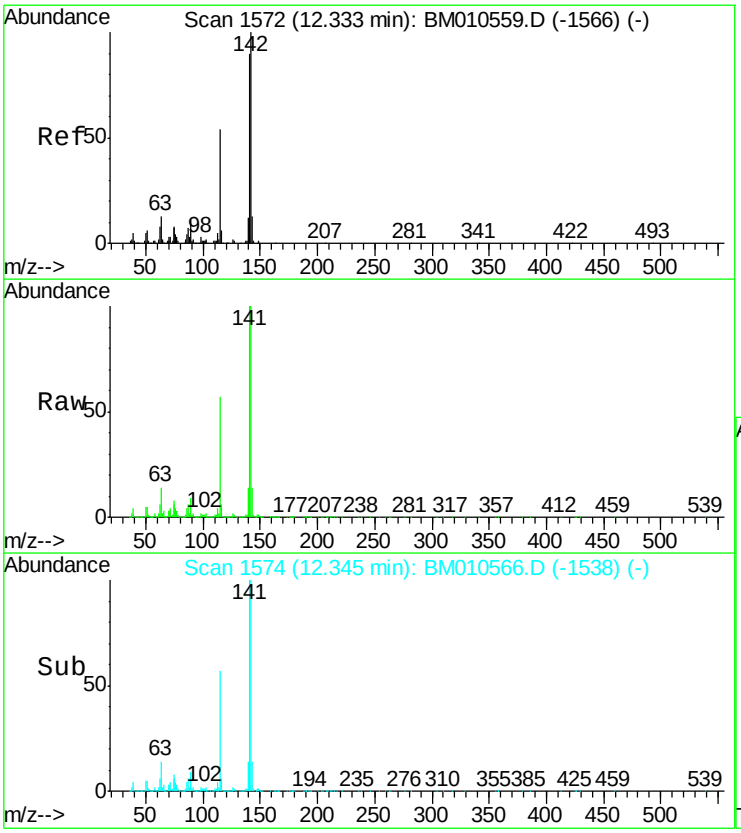
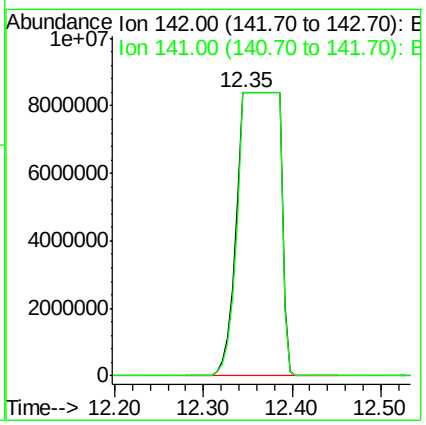
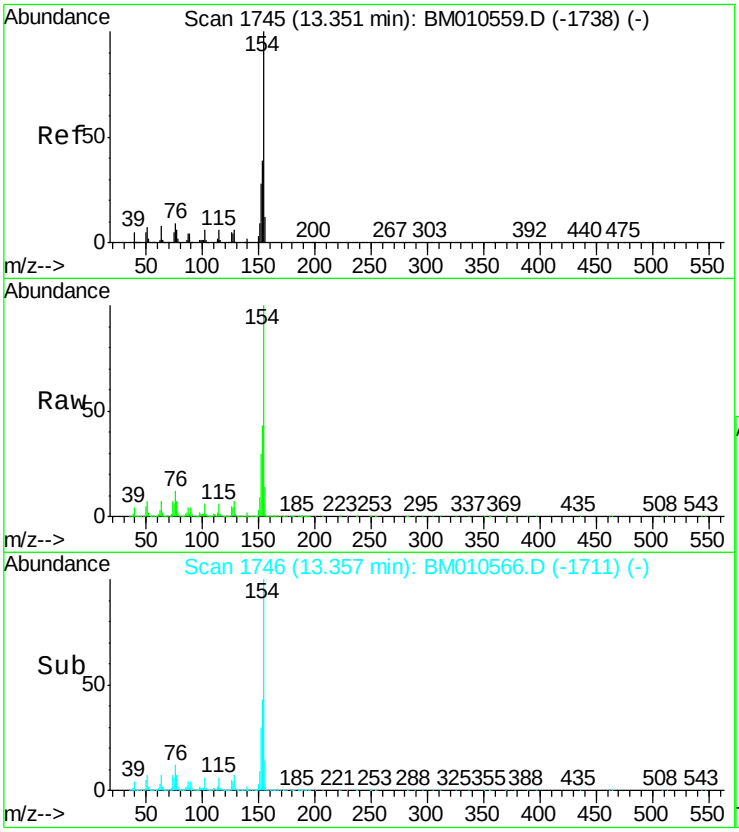


#34
2-Methylnaphthalene
Concen: 848.755 ng/ul m
RT: 12.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:142 Resp:27823783

Ion	Ratio	Lower	Upper
142	100		
141	100.0	74.1	111.1

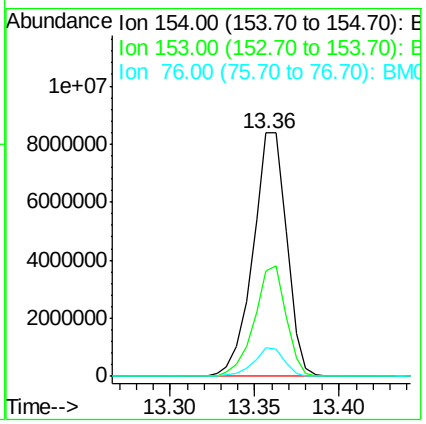




#40
1,1'-Biphenyl
Concen: 305.047 ng/ul
RT: 13.36 min Scan# 1746
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:154 Resp:11641327

Ion	Ratio	Lower	Upper
154	100		
153	43.1	32.6	48.8
76	12.0	8.5	12.7



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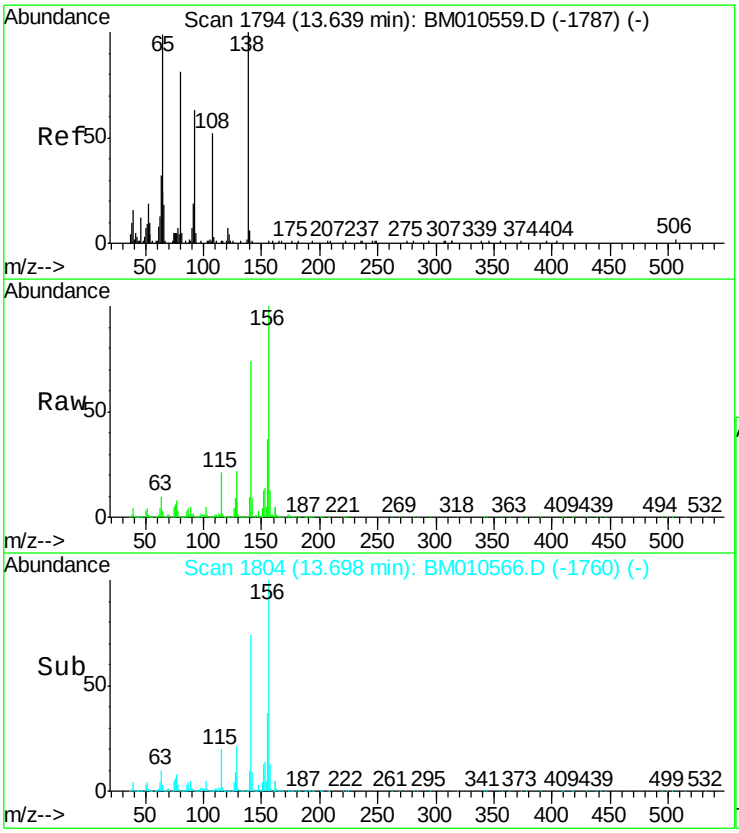
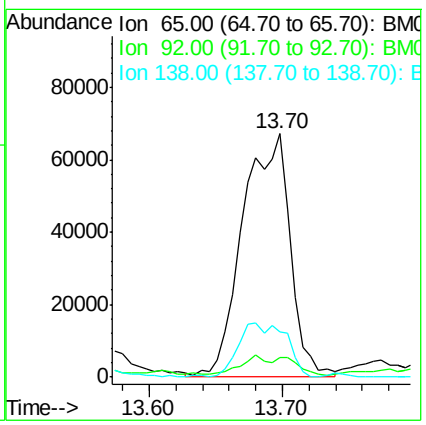
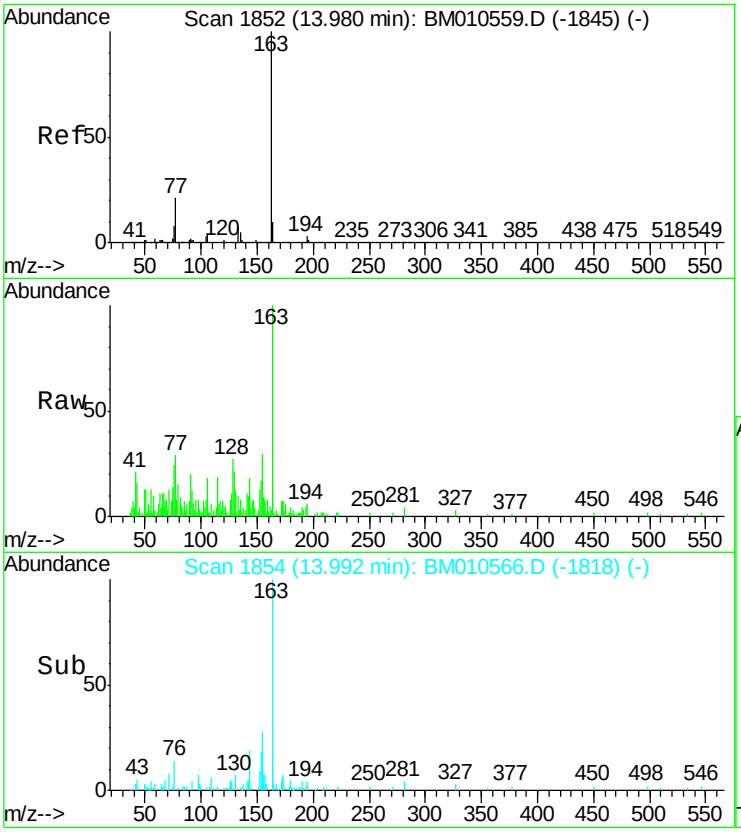


#42
2-Nitroaniline
Concen: 21.776 ng/ul m
RT: 13.70 min Scan# 1804
Delta R.T. 0.06 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion: 65 Resp: 166276

Ion	Ratio	Lower	Upper
65	100		
92	7.8	51.8	77.6#
138	18.5	74.2	111.4#





#44
Dimethylphthalate
Concen: 1.037 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:163 Resp: 39846

Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.5	5.3#
164	11.8	8.2	12.4

Instrument :
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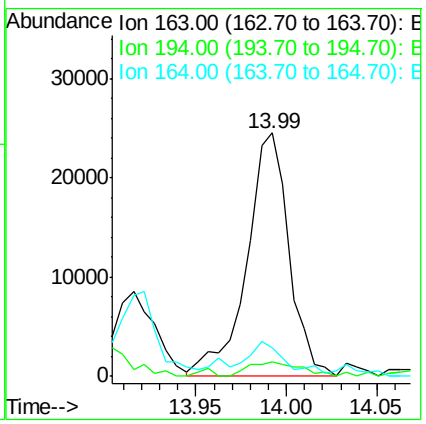
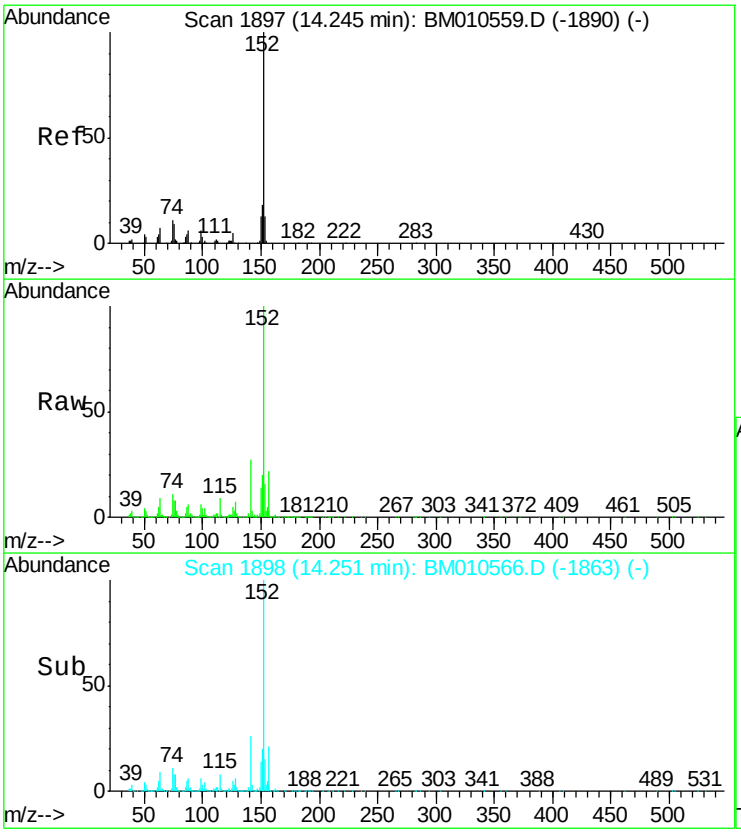
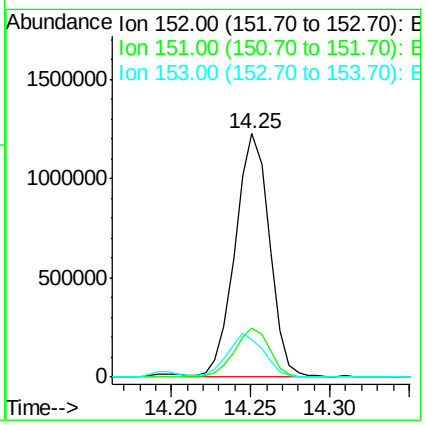


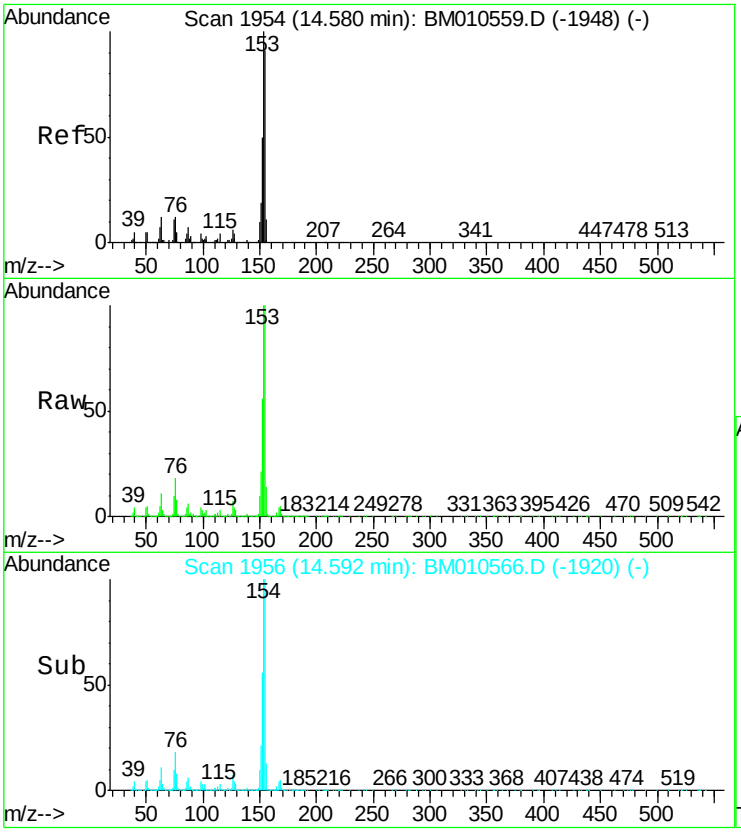


#47
Acenaphthylene
Concen: 40.973 ng/ul
RT: 14.25 min Scan# 1898
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:152 Resp: 1825629

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	15.6	10.2	15.4#

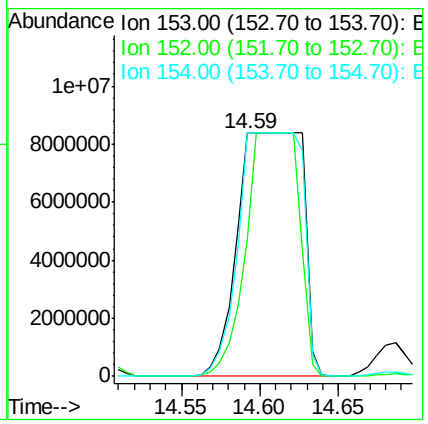




#49
Acenaphthene
Concen: 774.520 ng/ul m
RT: 14.59 min Scan# 1956
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:153 Resp:24203449

Ion	Ratio	Lower	Upper
153	100		
152	56.4	37.6	56.4#
154	100.0	70.4	105.6



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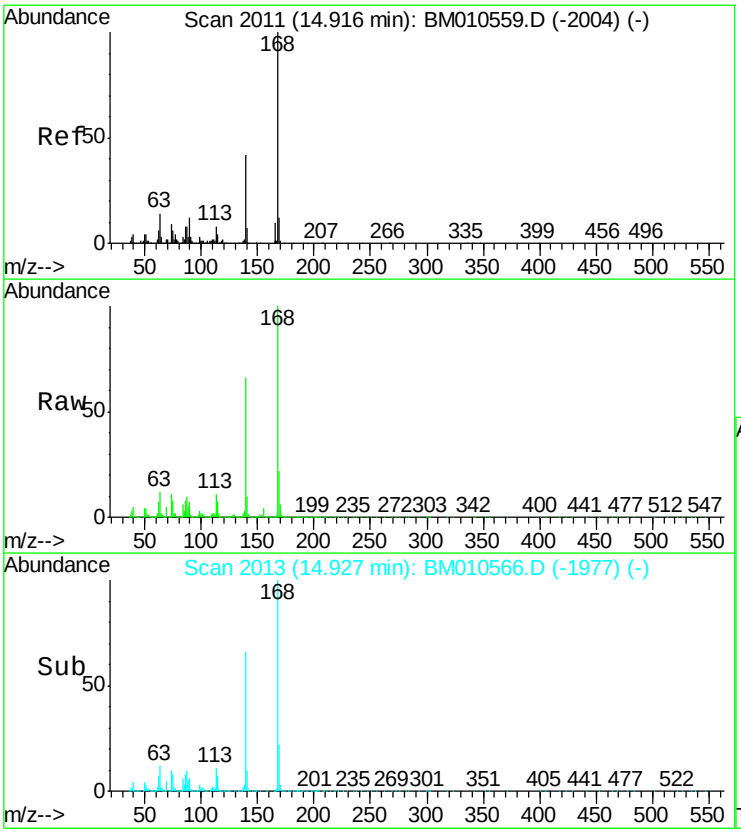
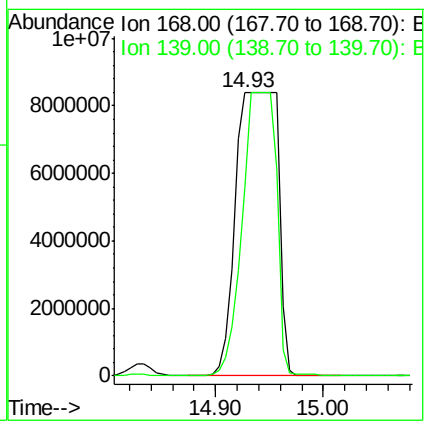
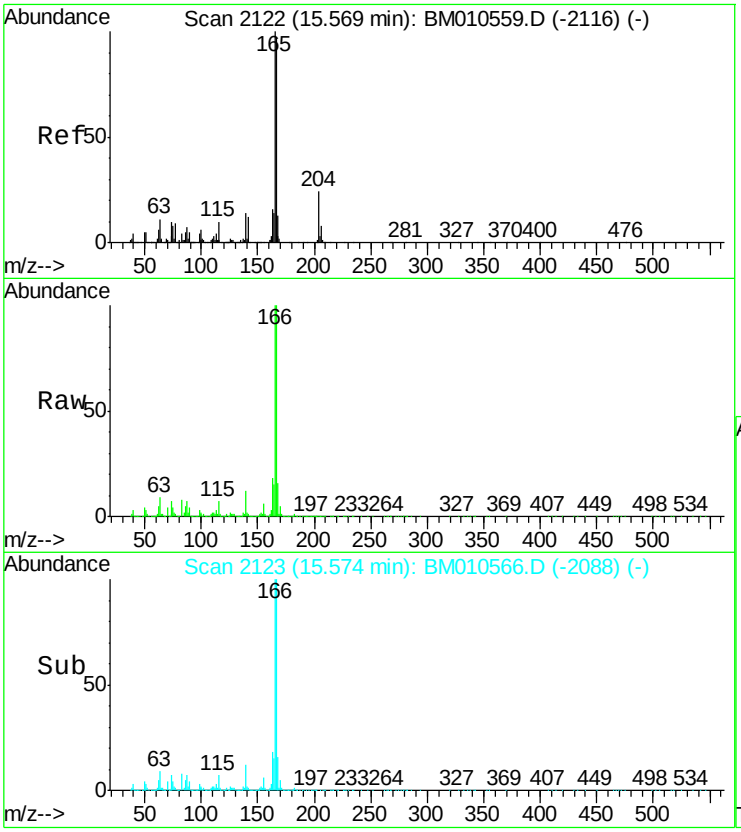


#53
Dibenzofuran
Concen: 491.781 ng/ul m
RT: 14.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:168 Resp:22724444

Ion	Ratio	Lower	Upper
168	100		
139	66.0	30.8	46.2#

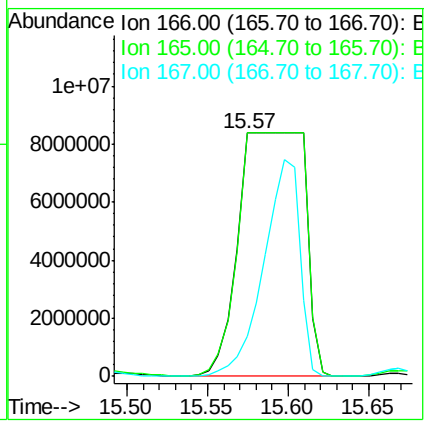




#58
Fluorene
Concen: 635.021 ng/ul m
RT: 15.57 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:166 Resp:24069731

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	16.3	10.6	16.0#



Instrument :
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ClientSampleId :
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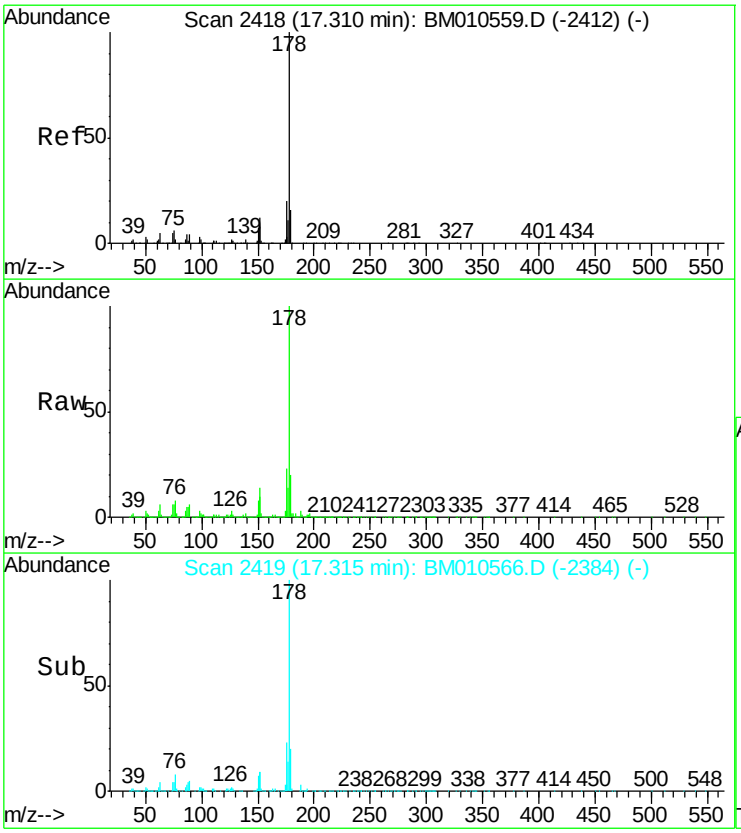
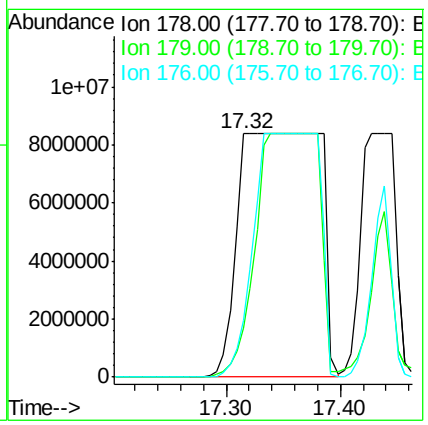
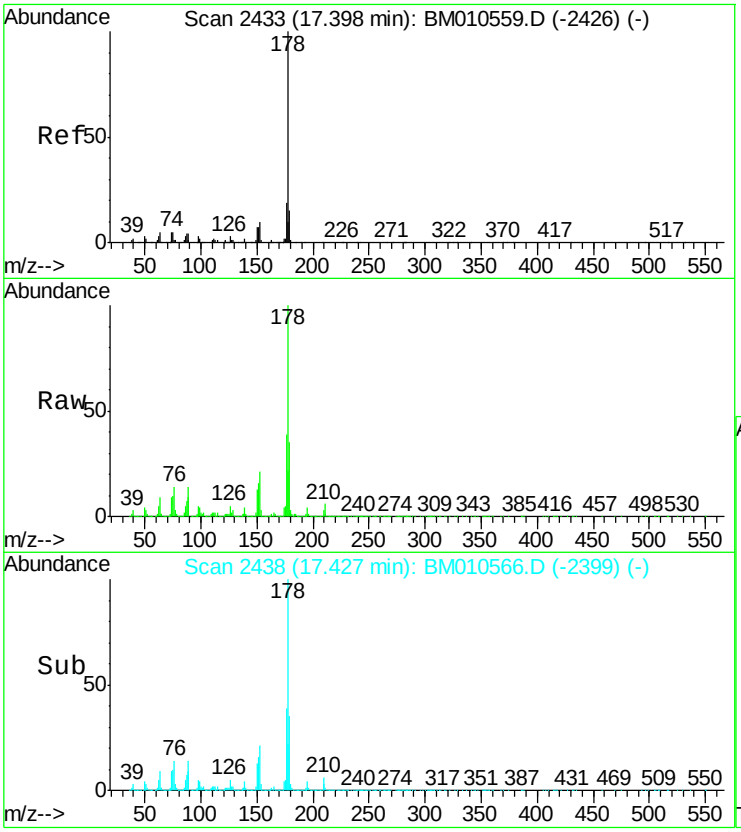


#69
Phenanthrene
Concen: 698.438 ng/ul m
RT: 17.32 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:178 Resp:41773786

Ion	Ratio	Lower	Upper
178	100		
179	20.0	12.6	19.0#
176	23.2	14.9	22.3#

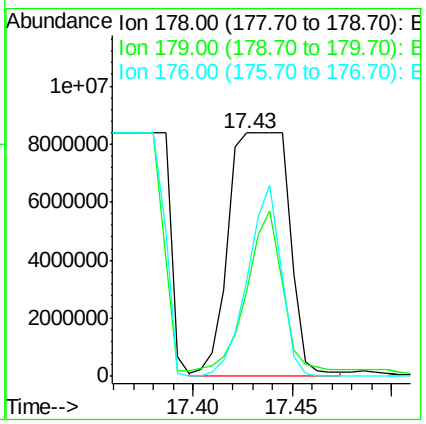




#71
Anthracene
Concen: 282.101 ng/ul m
RT: 17.43 min Scan# 2438
Delta R.T. 0.03 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:178 Resp:17614312

Ion	Ratio	Lower	Upper
178	100		
179	35.0	11.7	17.5#
176	39.2	14.6	21.8#



Instrument :
BNA_M
ClientSampleId :
F5C88

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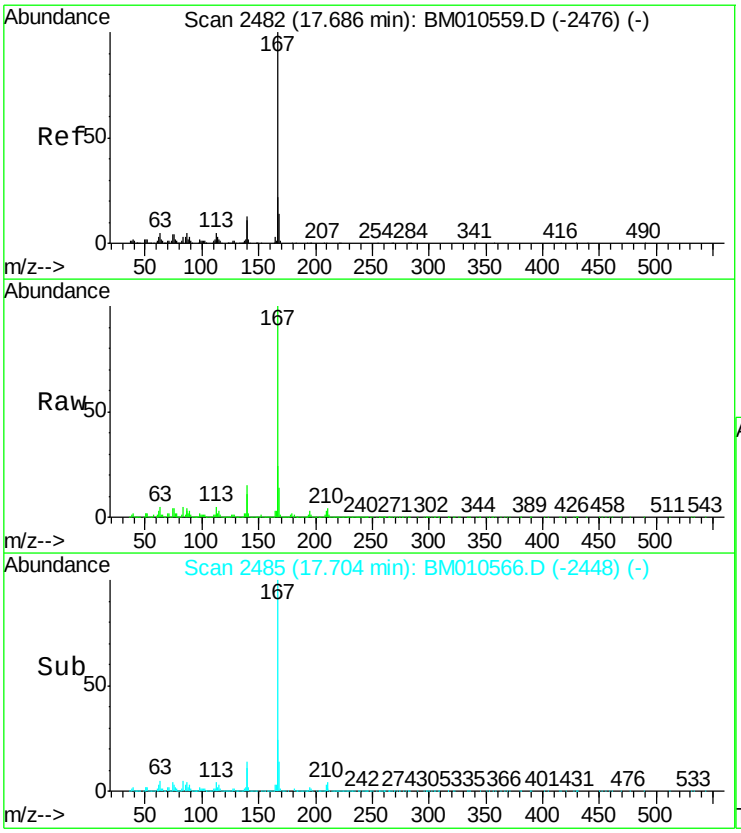
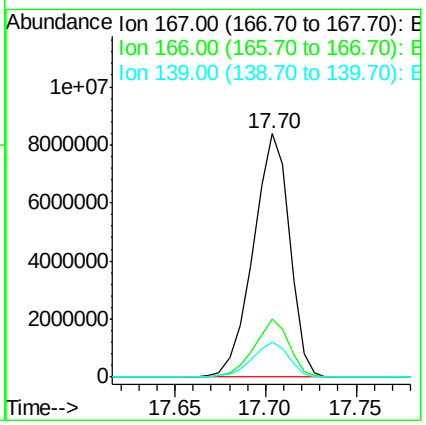
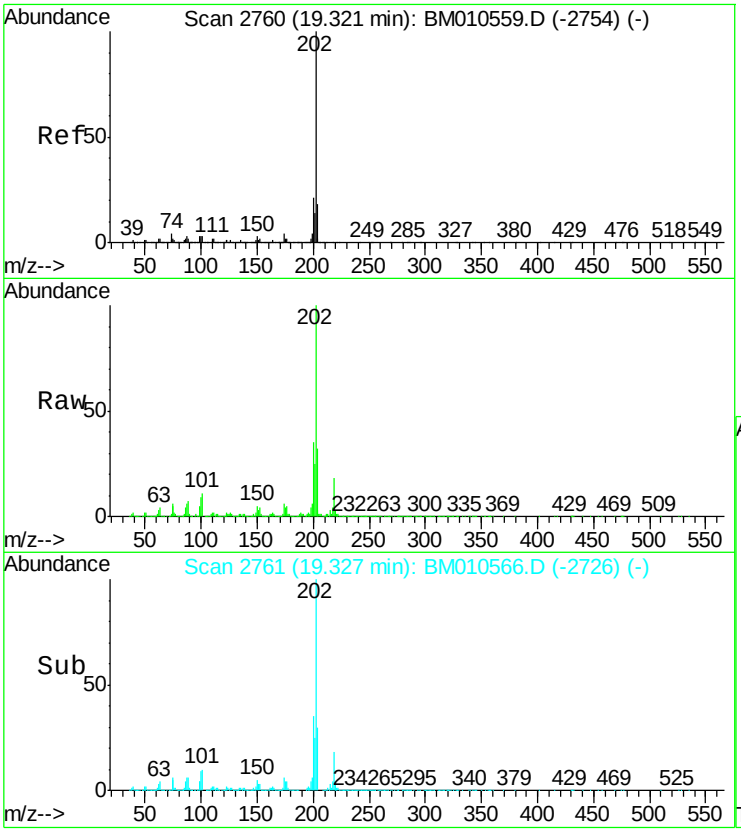


#72
Carbazole
Concen: 220.615 ng/ul
RT: 17.70 min Scan# 2485
Delta R.T. 0.02 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:167 Resp:11659499

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.1	25.7
139	14.5	10.0	15.0





#74
Fluoranthene
Concen: 449.618 ng/ul m
RT: 19.33 min Scan# 2761
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:202 Resp:33069314

Ion	Ratio	Lower	Upper
202	100		
101	10.9	4.6	7.0#
100	8.7	3.4	5.2#

Instrument :
BNA_M
ClientSampleId :
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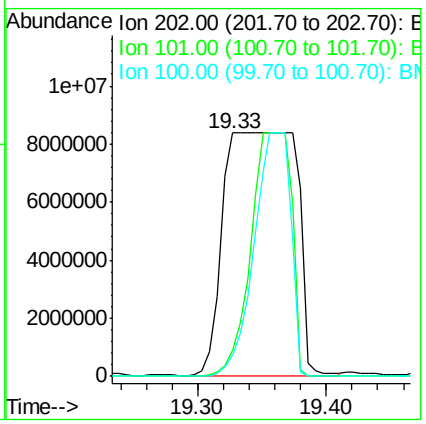
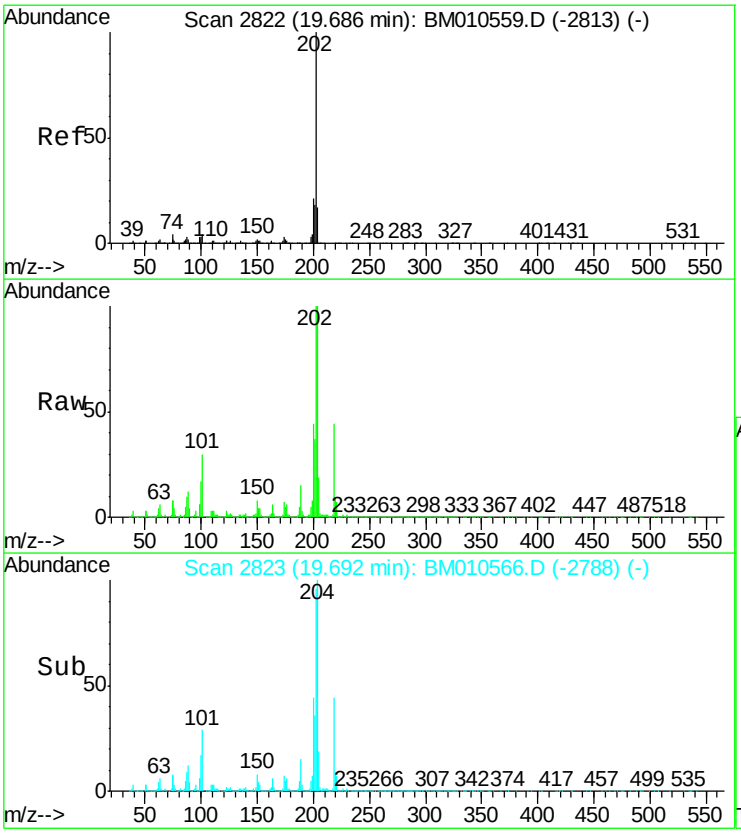
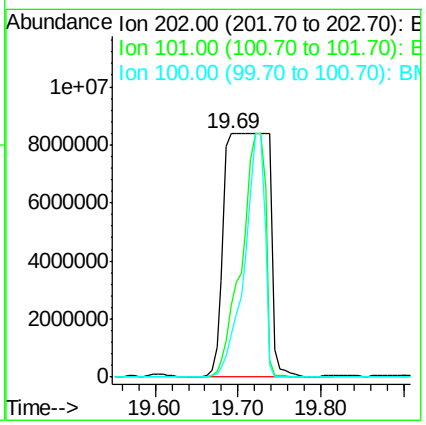


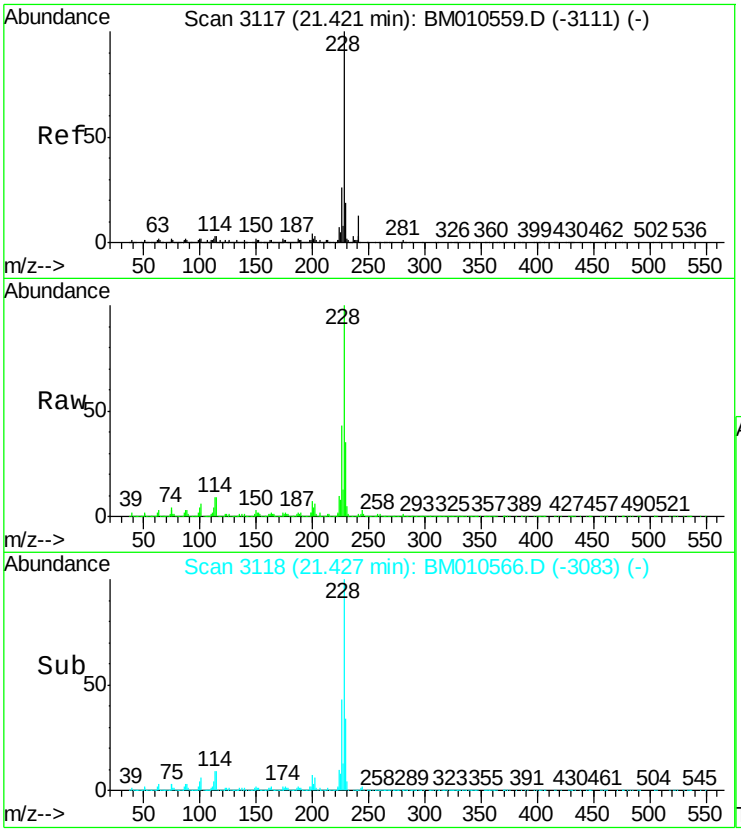


#77
Pyrene
Concen: 286.991 ng/ul m
RT: 19.69 min Scan# 2823
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:202 Resp:31827382

Ion	Ratio	Lower	Upper
202	100		
101	29.5	5.1	7.7#
100	17.5	4.9	7.3#

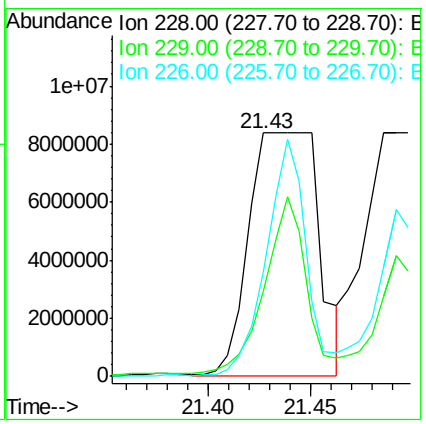




#80
Benzo(a)anthracene
Concen: 163.456 ng/ul m
RT: 21.43 min Scan# 3118
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:228 Resp:19837243

Ion	Ratio	Lower	Upper
228	100		
229	34.9	15.4	23.0#
226	42.9	21.4	32.0#



Instrument :
BNA_M
ClientSampleId :
F5C88

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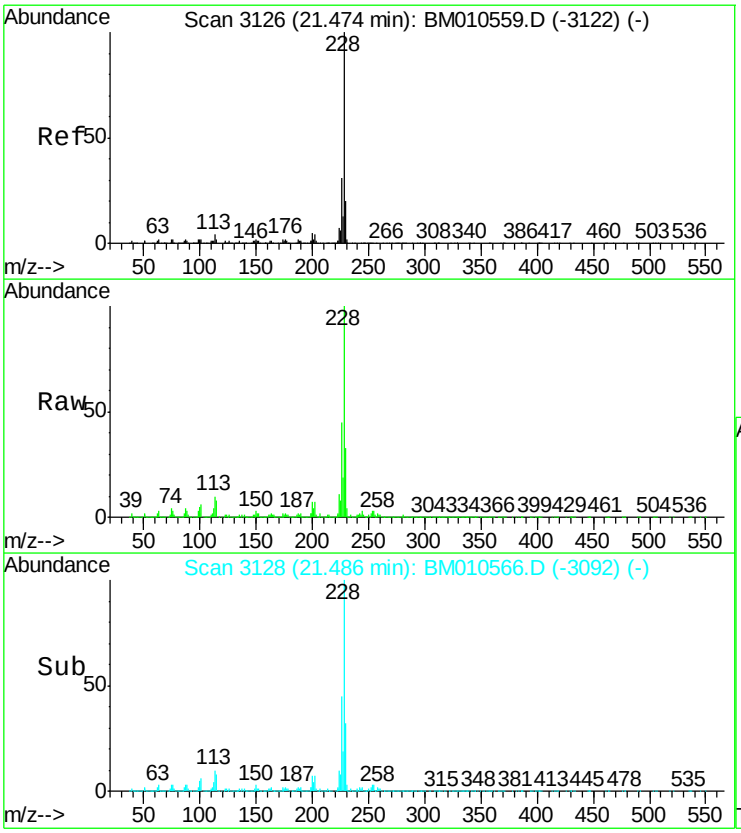
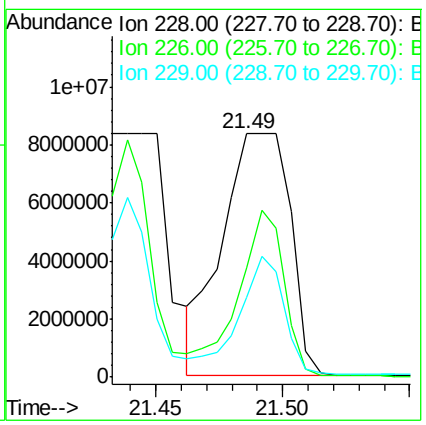
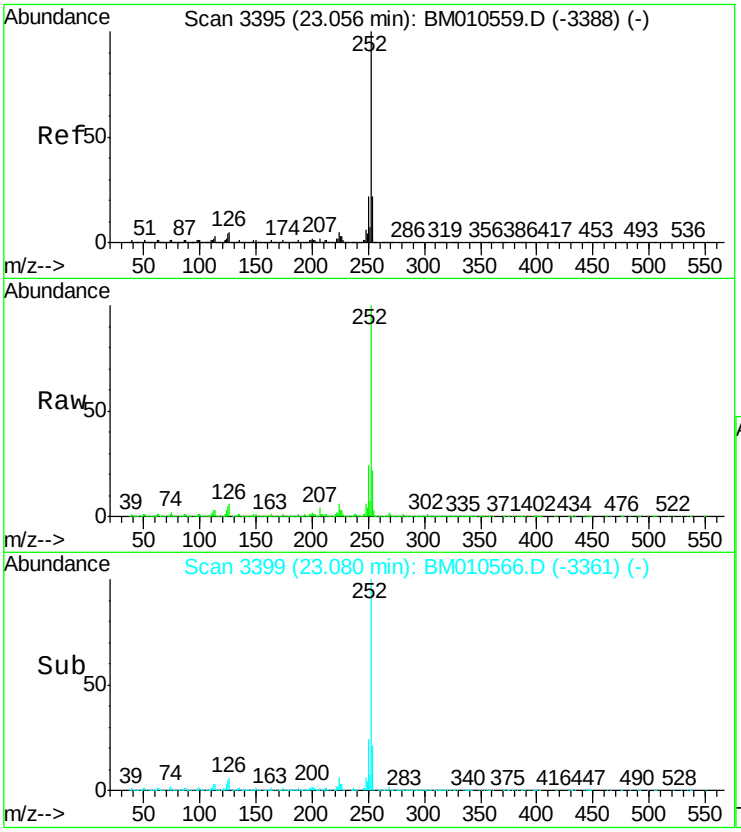


#82
Chrysene
Concen: 141.895 ng/ul
RT: 21.49 min Scan# 3128
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:228 Resp:15566837

Ion	Ratio	Lower	Upper
228	100		
226	44.8	23.4	35.2#
229	32.7	15.5	23.3#

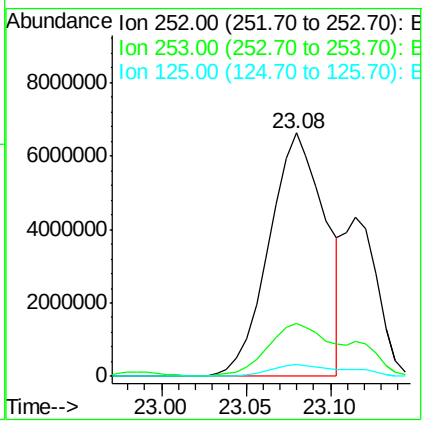




#85
Benzo(b)fluoranthene
Concen: 194.323 ng/ul
RT: 23.08 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:252 Resp:15294513

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	4.8	3.6	5.4



Instrument :
BNA_M
ClientSampleId :
F5C88

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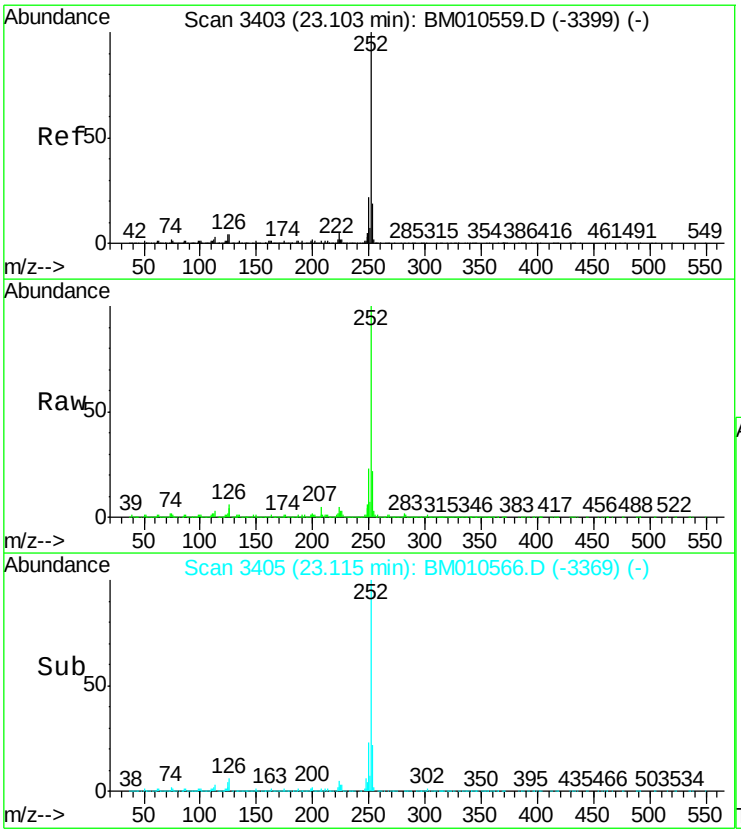
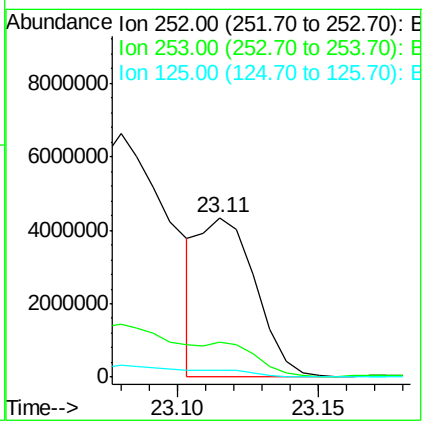
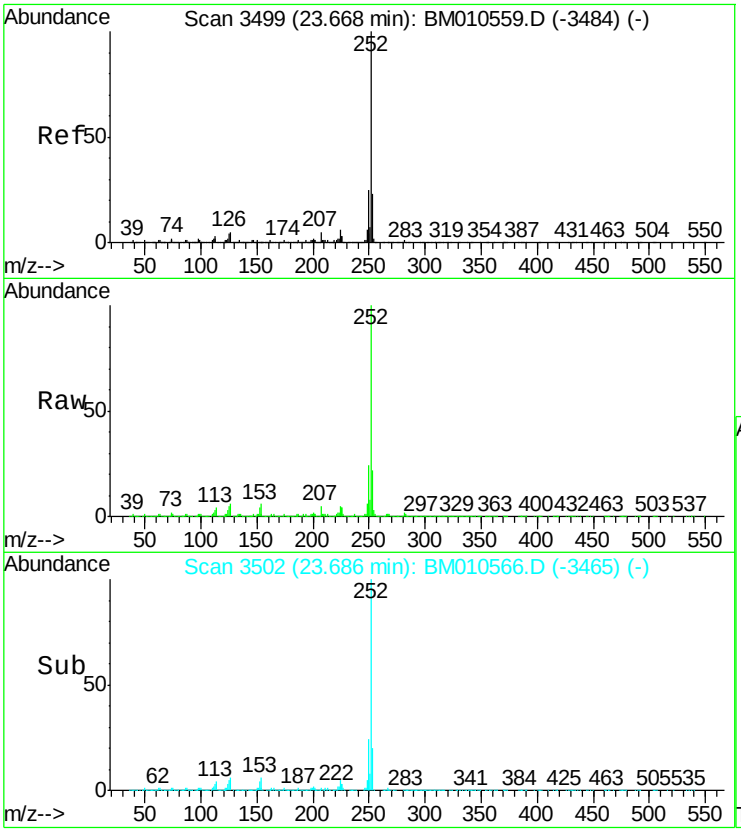


#86
Benzo(k)fluoranthene
Concen: 78.992 ng/ul
RT: 23.11 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:252 Resp: 5939343

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	4.3	3.4	5.2

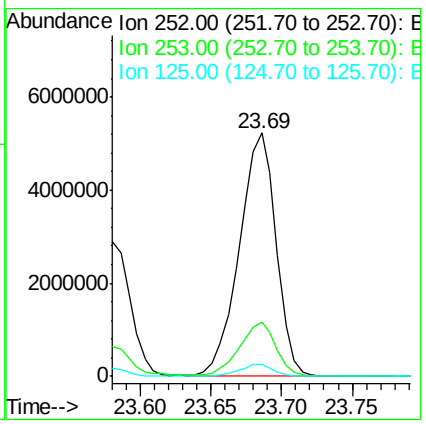




#88
Benzo(a)pyrene
Concen: 121.788 ng/ul
RT: 23.69 min Scan# 3502
Delta R.T. 0.02 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:252 Resp: 9501385

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	4.9	4.0	6.0



Instrument :
BNA_M
ClientSampleId :
F5C88

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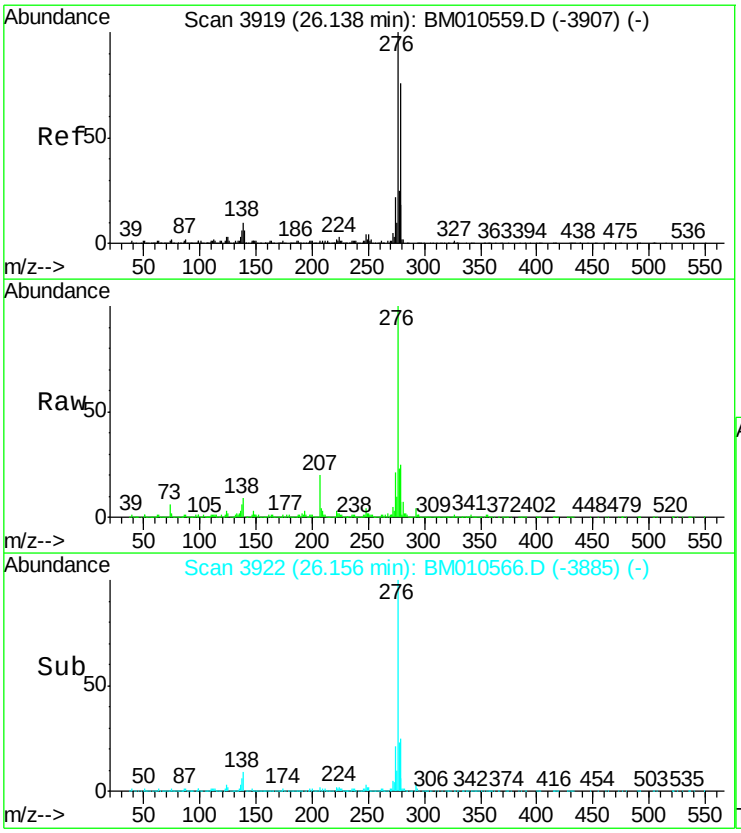
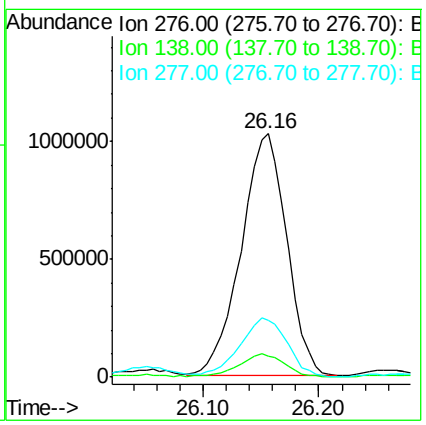
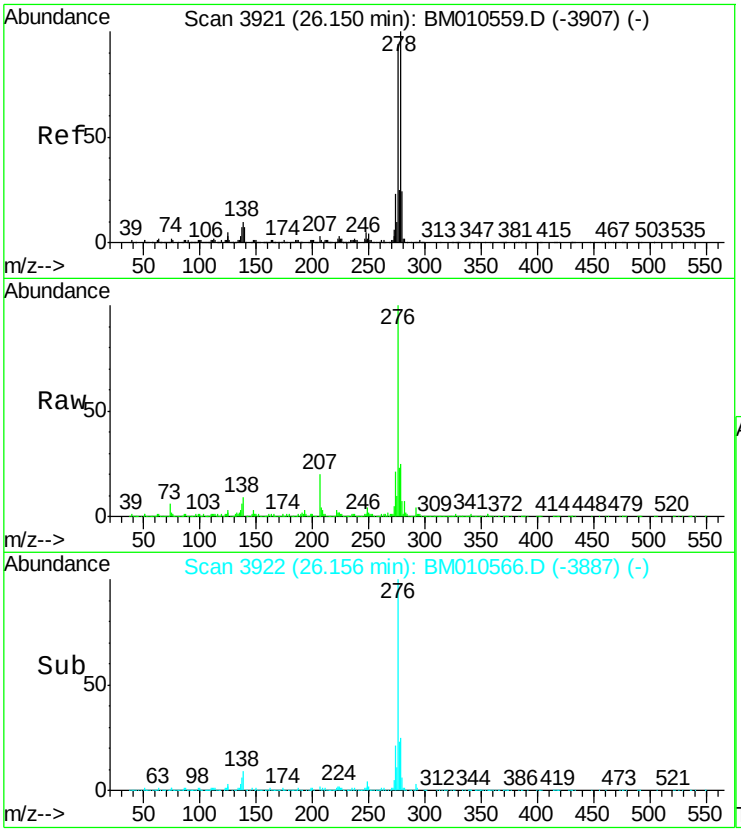


#89
Indeno(1,2,3-cd)pyrene
Concen: 28.624 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. 0.02 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:276 Resp: 2821338

Ion	Ratio	Lower	Upper
276	100		
138	8.6	9.3	13.9#
277	23.1	19.9	29.9





#90
Dibenzo(a,h)anthracene
Concen: 9.748 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. 0.01 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:278 Resp: 827540

Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	25.7	18.6	27.8

Instrument :
BNA_M
ClientSampleId :
F5C88

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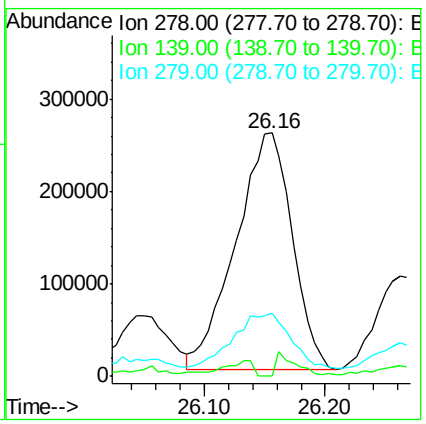

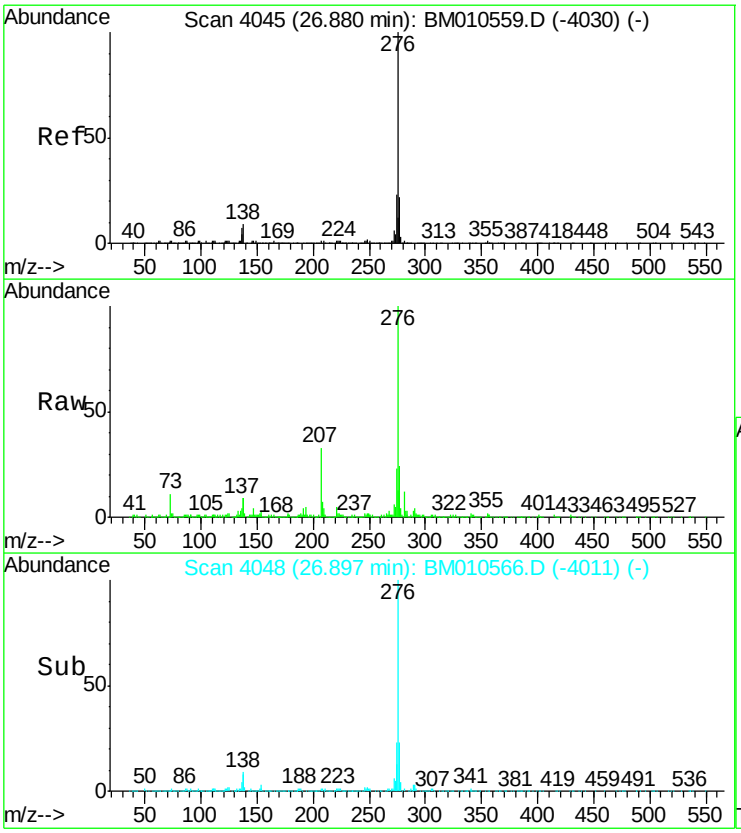

#91
Benzo(g,h,i)perylene
Concen: 22.689 ng/ul
RT: 26.90 min Scan# 4048
Delta R.T. 0.02 min
Lab File: BM010566.D
Acq: 13 Jun 2017 18:43

Tgt Ion:276 Resp: 1842376

Ion	Ratio	Lower	Upper
276	100		
138	9.5	8.5	12.7
277	23.8	18.6	28.0