Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010679.D
Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Manual Integrations APPROVED
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Quant Time: Jun 23 06:53:57 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	89068	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	398372	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	265523	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	630996m	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	730097	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	566274	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	293	0.19	ng/uL	0.00
5) Phenol-d5	6.65	99	17926	2.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	10786	2.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	14162	2.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	15817	2.25	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	7480	2.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	8978	2.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	17897	2.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	23673	3.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	66040	2.83	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	73687	2.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	8877	2.16	ng/ul	0.00
57) Fluorene-d10	15.12	176	56052	2.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	6793	1.75	ng/ul	0.01
70) Anthracene-d10	16.97	188	89526	2.94	ng/ul	0.00
76) Pyrene-d10	19.28	212	102774	3.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	74386	2.72	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.27	128	1695653	85.532	ng/ul	100
34) 2-Methylnaphthalene	11.90	142	340616	21.374	ng/ul	100
40) 1,1'-Biphenyl	12.93	154	298976	14.402	ng/ul#	98
47) Acenaphthylene	13.83	152	127296	4.930	ng/ul#	94
49) Acenaphthene	14.18	153	1591922	91.387	ng/ul	99
53) Dibenzofuran	14.52	168	2217437	84.056	ng/ul	92
58) Fluorene	15.18	166	2477233	112.157	ng/ul	100
69) Phenanthrene	16.93	178	9204696m	274.390	ng/ul	
71) Anthracene	17.02	178	5721846	165.560	ng/ul	98
72) Carbazole	17.28	167	1659050	55.022	ng/ul	98
74) Fluoranthene	18.95	202	6052361m	139.994	ng/ul	
77) Pyrene	19.32	202	4068121	96.468	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	1468468	34.539	ng/ul	96
82) Chrysene	21.12	228	1303258	34.380	ng/ul	97
85) Benzo(b)fluoranthene	22.59	252	1030491	28.034	ng/ul#	99
86) Benzo(k)fluoranthene	22.63	252	292017m	8.380	ng/ul	
88) Benzo(a)pyrene	23.13	252	608973	17.995	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.33	276	225171	6.415	ng/ul	98
90) Dibenzo(a,h)anthracene	25.34	278	70279m	2.403	ng/ul	
91) Benzo(g,h,i)perylene	25.98	276	154898	5.544	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
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Instrument :
BNA_M
ClientSampleId :
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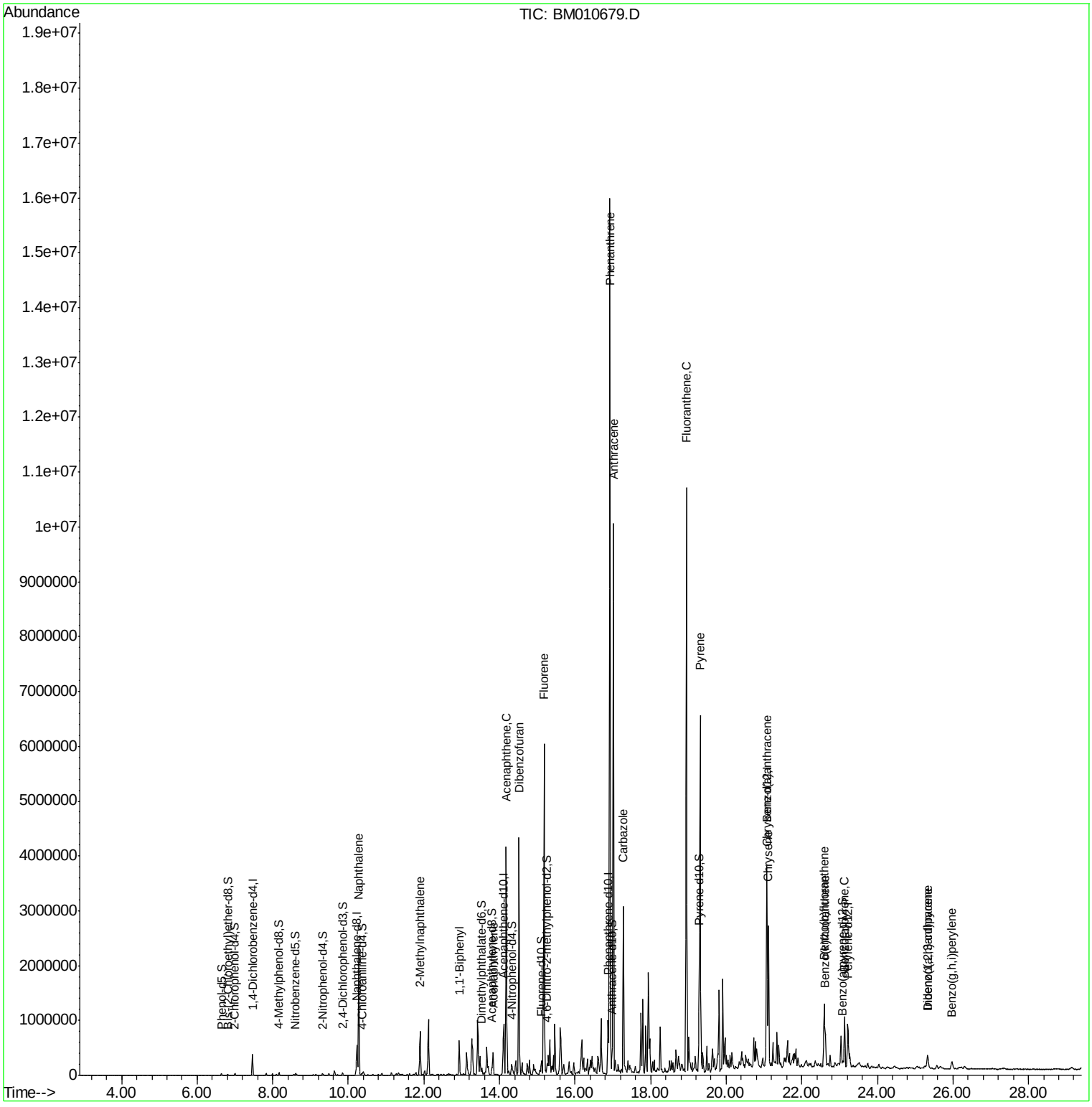
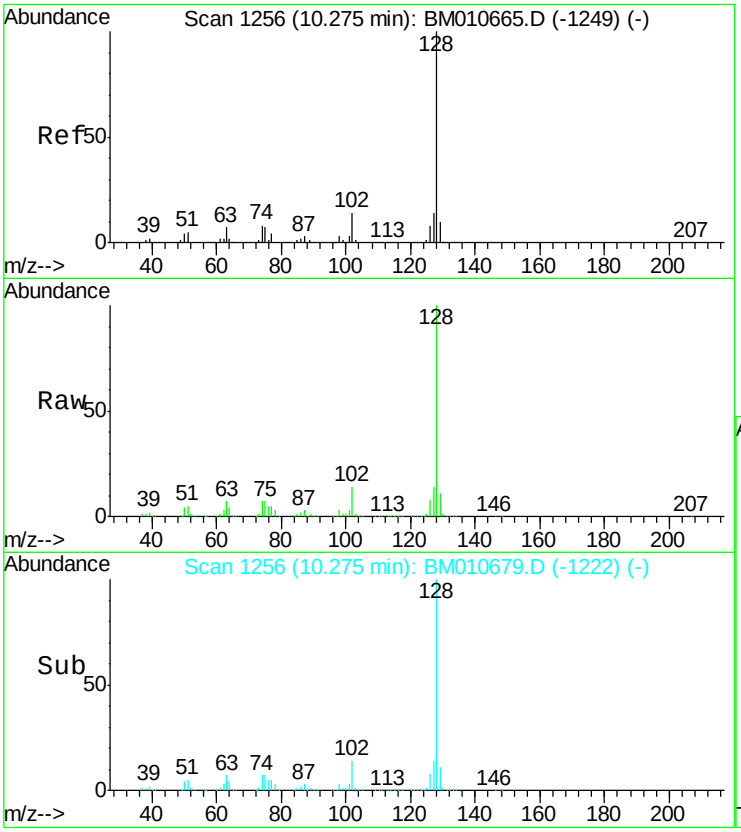
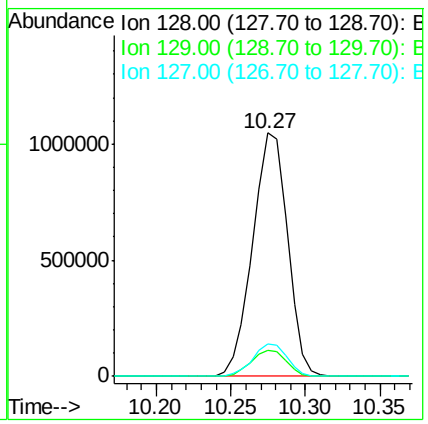




#28
Naphthalene
Concen: 85.532 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:128 Resp: 1695653

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	10.6	16.0



Instrument :
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ClientSampleId :
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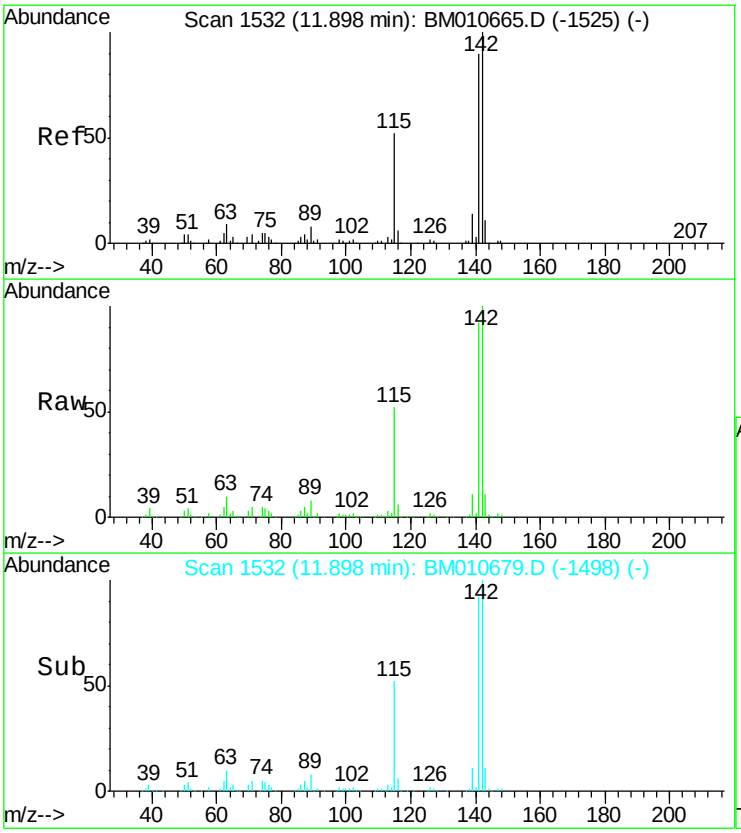
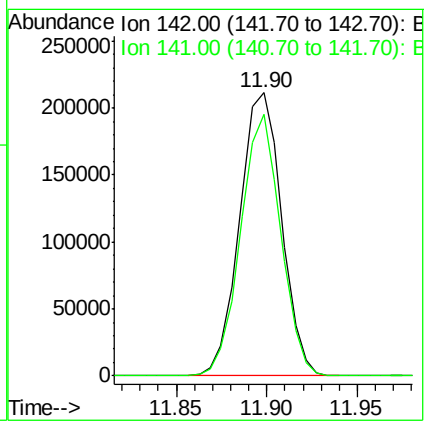
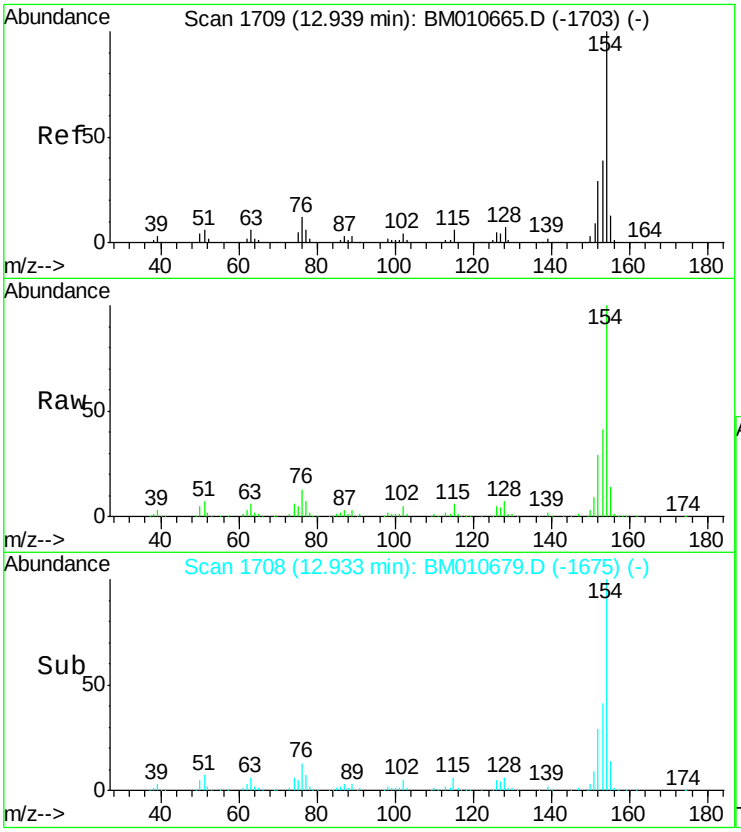


#34
2-Methylnaphthalene
Concen: 21.374 ng/ul
RT: 11.90 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:142 Resp: 340616

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.1	111.1

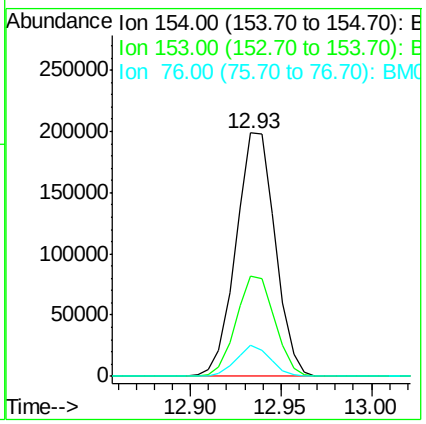




#40
1,1'-Biphenyl
Concen: 14.402 ng/ul
RT: 12.93 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:154 Resp: 298976

Ion	Ratio	Lower	Upper
154	100		
153	41.0	32.6	48.8
76	12.8	8.5	12.7#



Instrument :
BNA_M
ClientSampleId :
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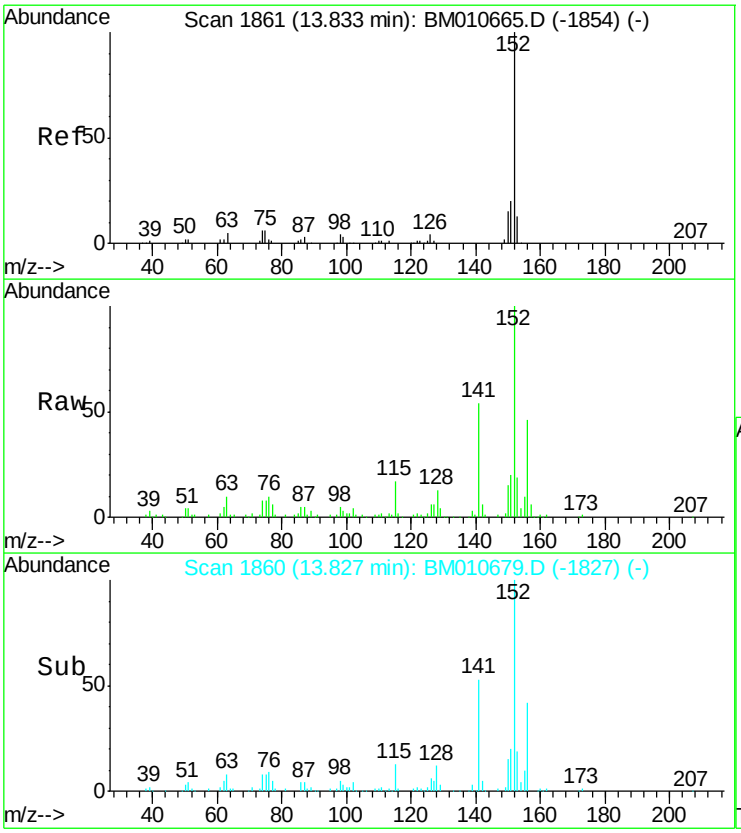
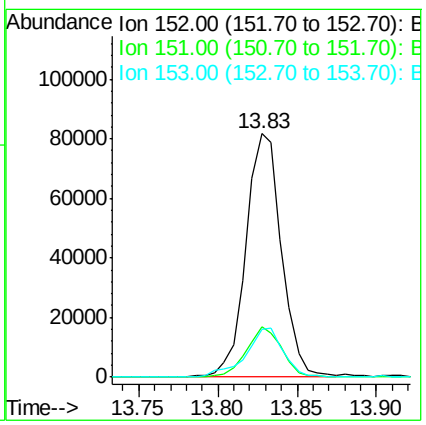
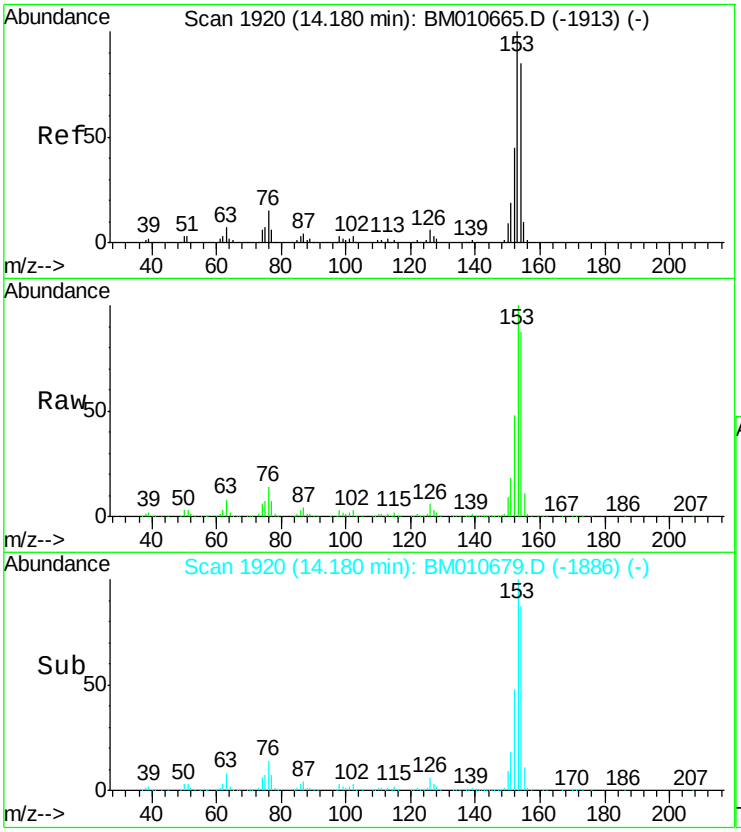


#47
Acenaphthylene
Concen: 4.930 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:152 Resp: 127296

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	19.4	10.2	15.4#

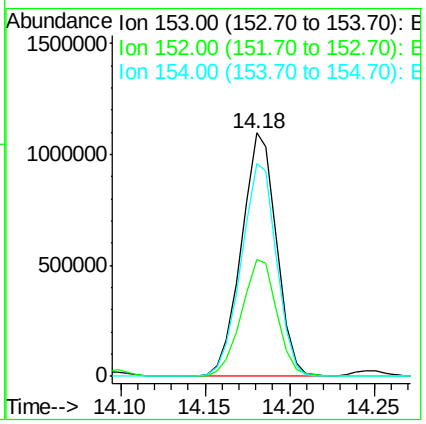




#49
Acenaphthene
Concen: 91.387 ng/ul
RT: 14.18 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:153 Resp: 1591922

Ion	Ratio	Lower	Upper
153	100		
152	48.2	37.6	56.4
154	87.5	70.4	105.6



Instrument :
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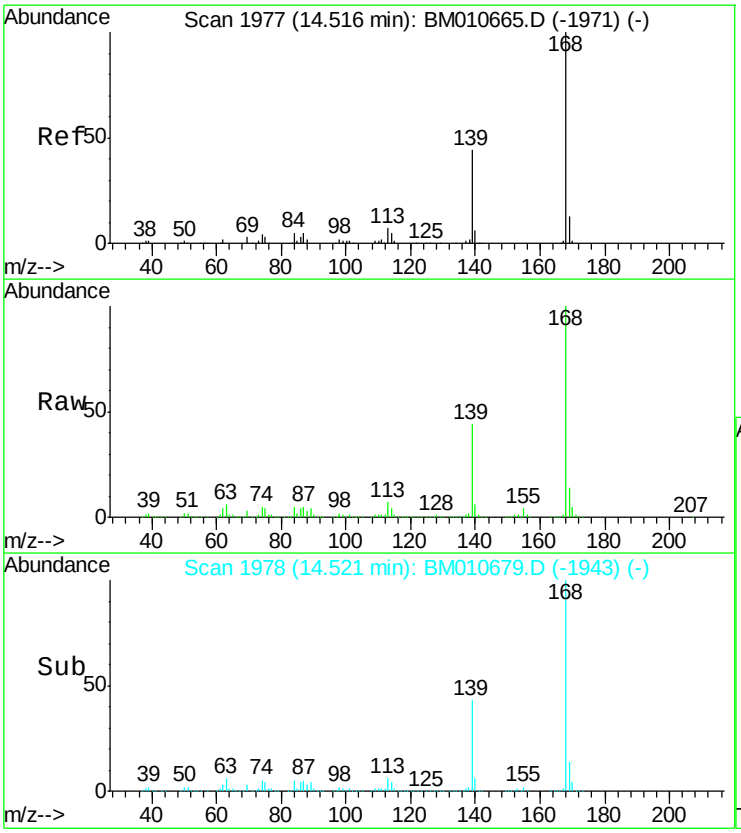
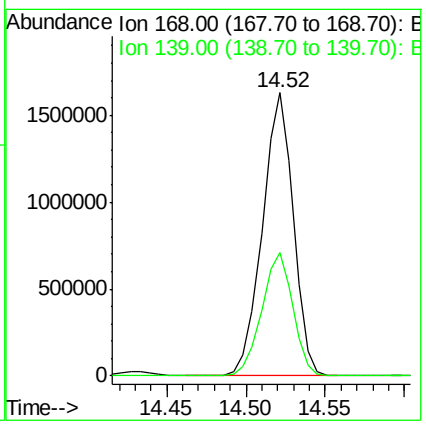
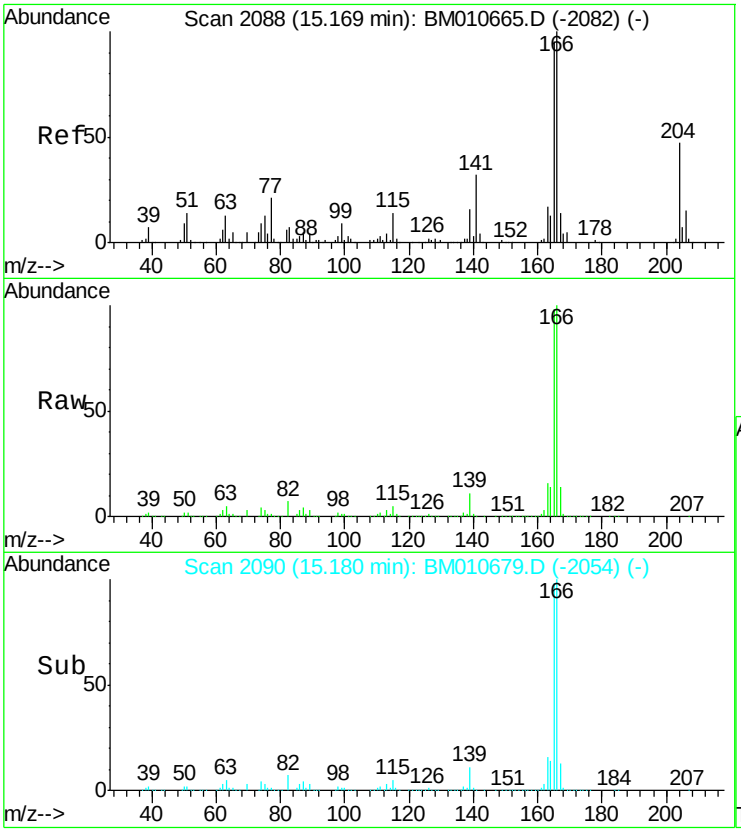


#53
Dibenzofuran
Concen: 84.056 ng/ul
RT: 14.52 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:168 Resp: 2217437

Ion	Ratio	Lower	Upper
168	100		
139	43.5	30.8	46.2

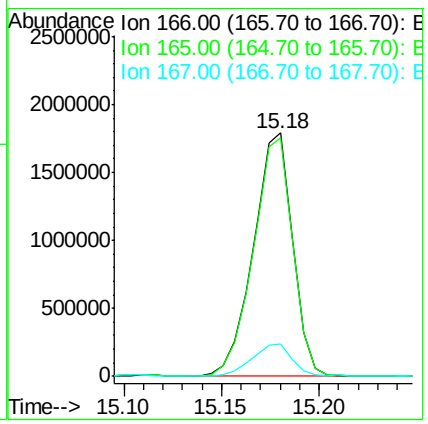




#58
Fluorene
Concen: 112.157 ng/ul
RT: 15.18 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:166 Resp: 2477233

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.9	116.9
167	13.5	10.6	16.0



Instrument :
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ClientSampleId :
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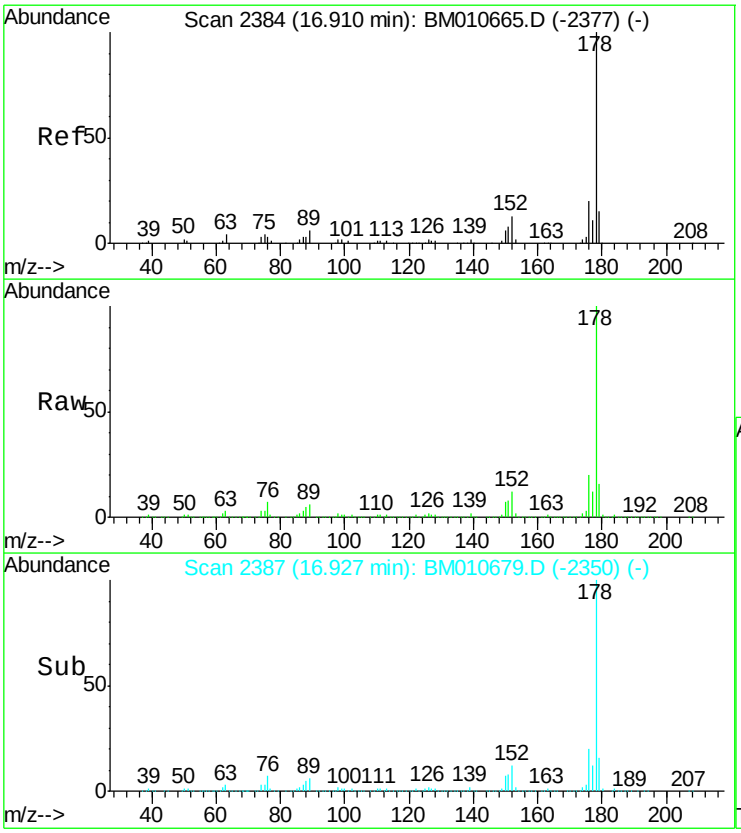
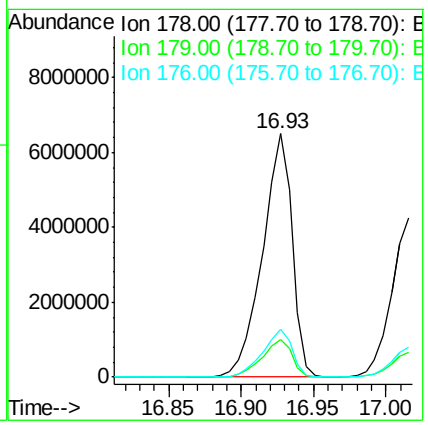
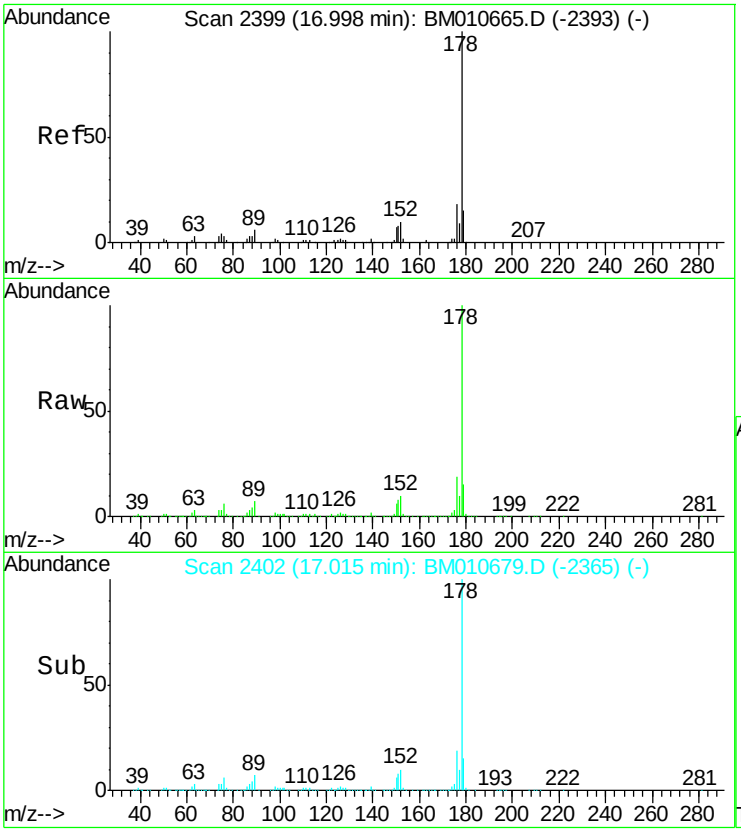


#69
Phenanthrene
Concen: 274.390 ng/ul m
RT: 16.93 min Scan# 2387
Delta R.T. 0.02 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:178 Resp: 9204696

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.6	14.9	22.3

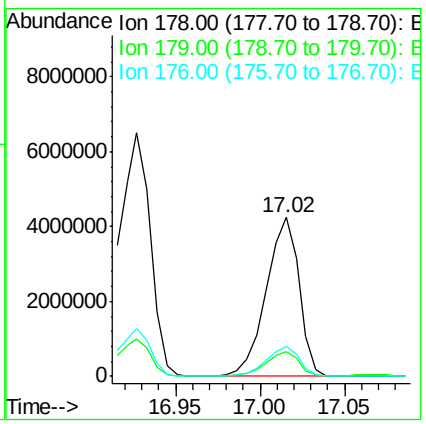




#71
Anthracene
Concen: 165.560 ng/ul
RT: 17.02 min Scan# 2402
Delta R.T. 0.02 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:178 Resp: 5721846

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	19.2	14.6	21.8



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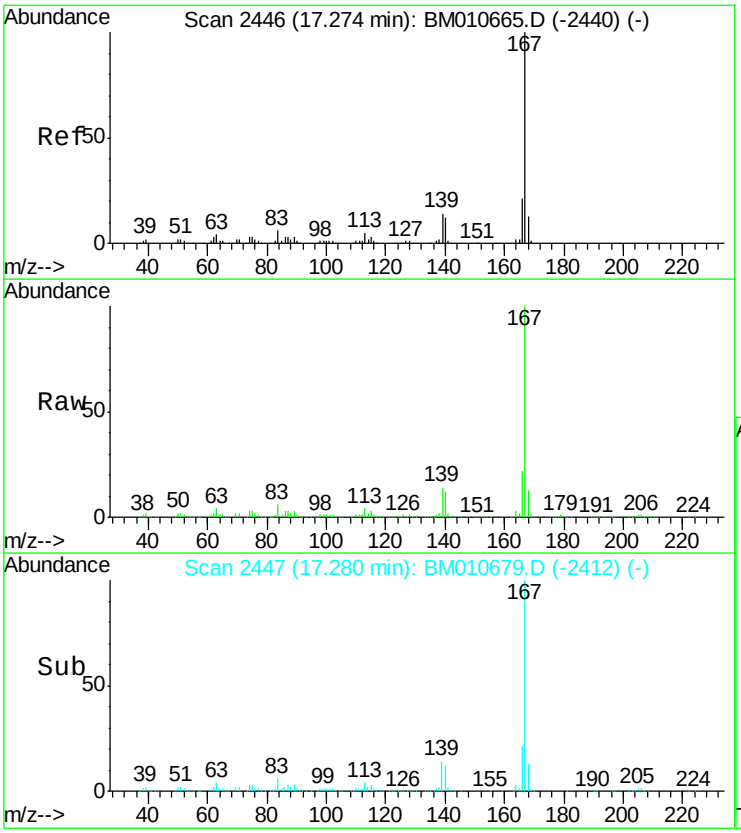
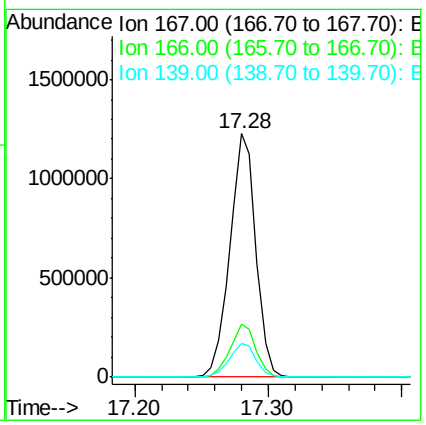
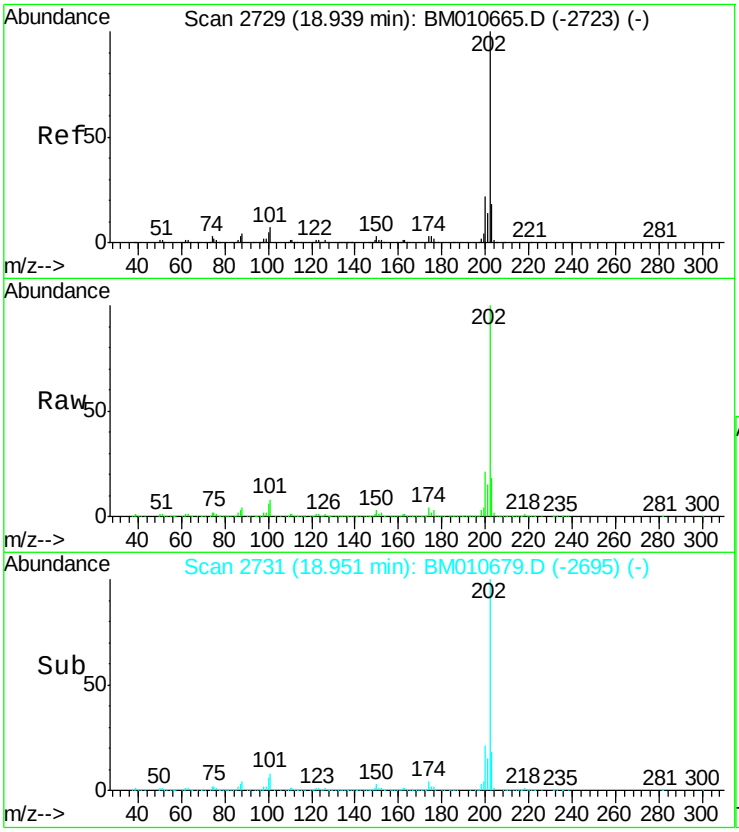


#72
Carbazole
Concen: 55.022 ng/ul
RT: 17.28 min Scan# 2447
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:167 Resp: 1659050

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	14.0	10.0	15.0

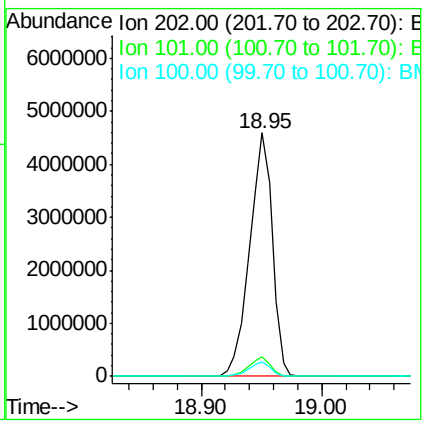




#74
Fluoranthene
Concen: 139.994 ng/ul m
RT: 18.95 min Scan# 2731
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:202 Resp: 6052361

Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.6	7.0#
100	5.8	3.4	5.2#



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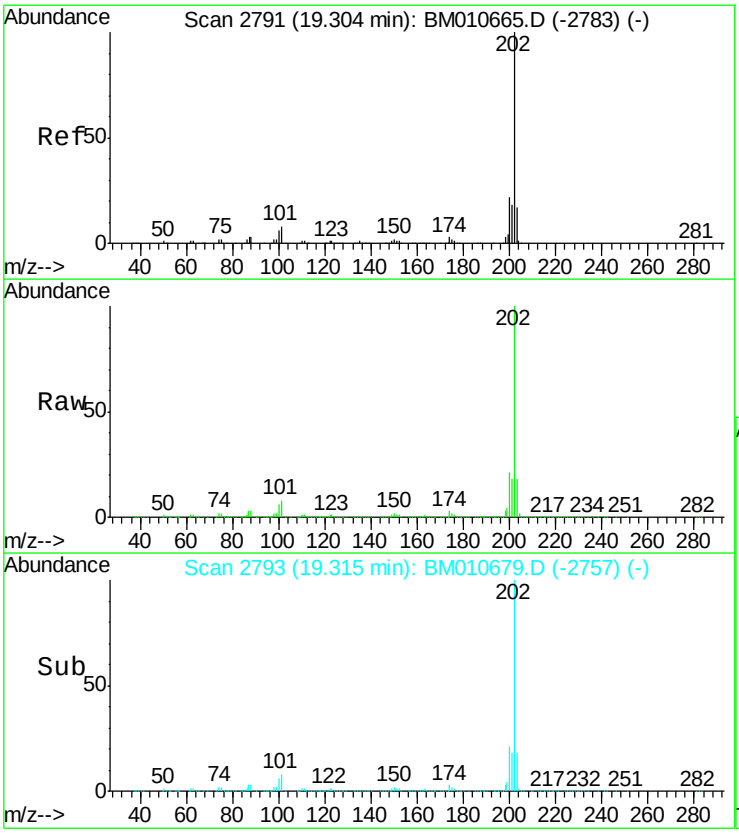
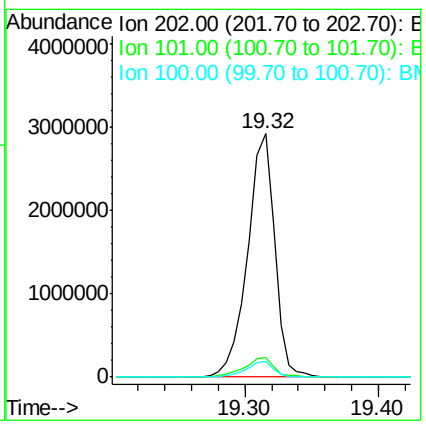
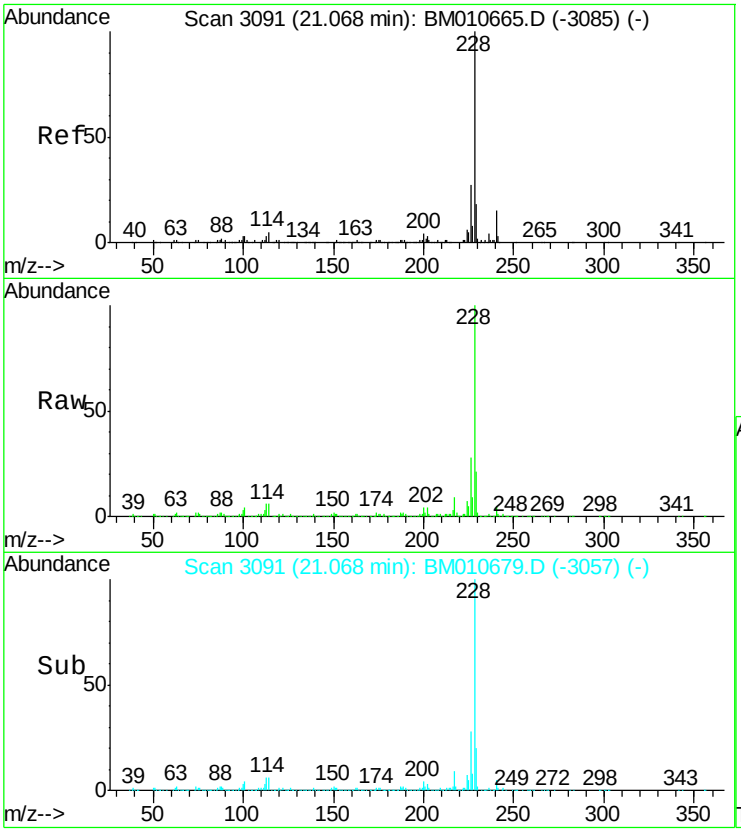


#77
Pyrene
Concen: 96.468 ng/ul
RT: 19.32 min Scan# 2793
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:202 Resp: 4068121

Ion	Ratio	Lower	Upper
202	100		
101	8.1	5.1	7.7#
100	6.3	4.9	7.3

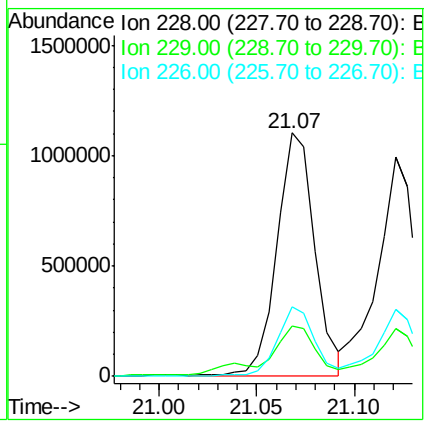




#80
Benzo(a)anthracene
Concen: 34.539 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:228 Resp: 1468468

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	28.5	21.4	32.0



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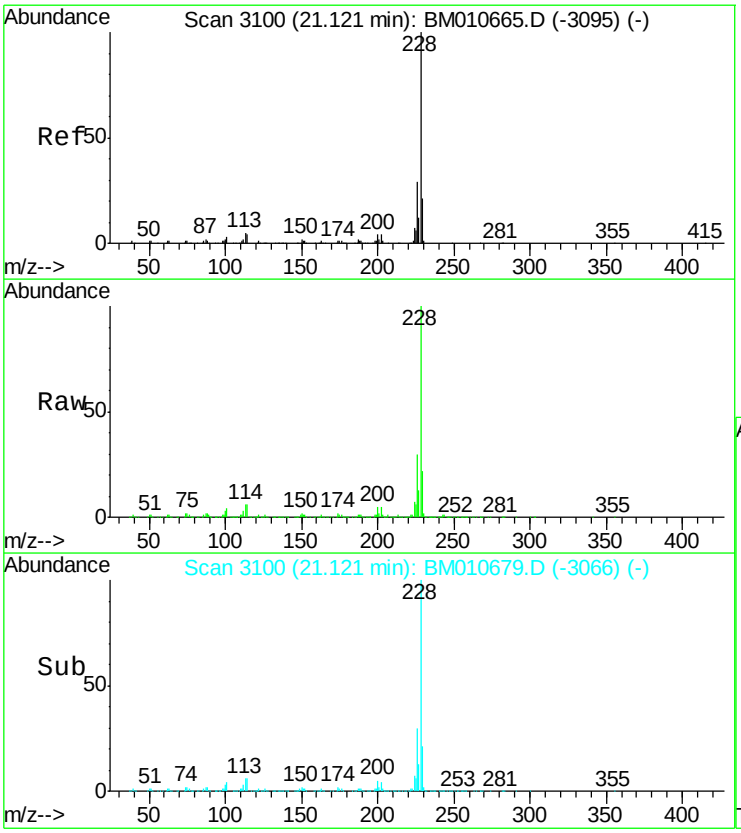
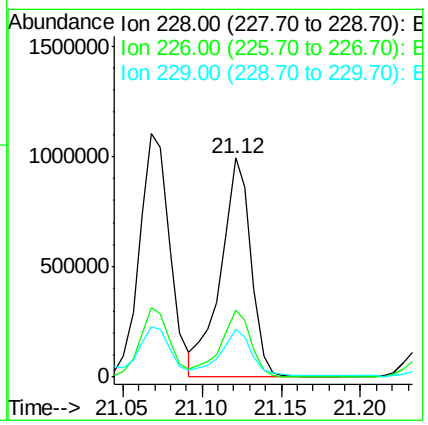
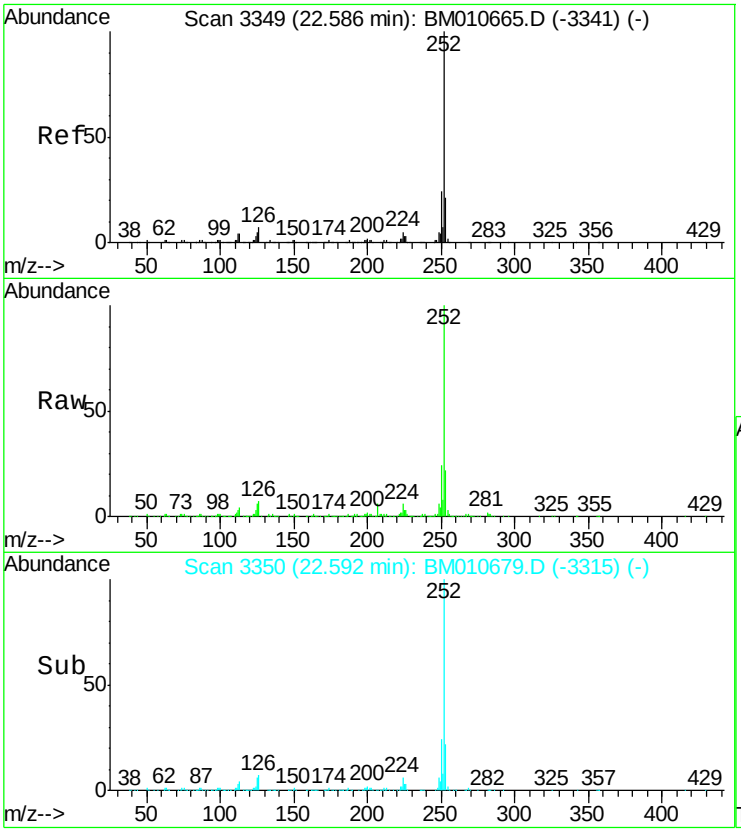


#82
Chrysene
Concen: 34.380 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:228 Resp: 1303258

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.5	15.5	23.3

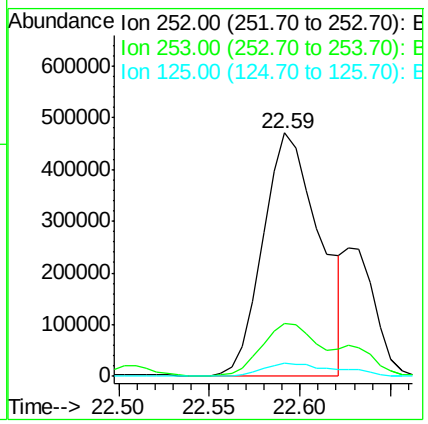




#85
Benzo(b)fluoranthene
Concen: 28.034 ng/ul
RT: 22.59 min Scan# 3350
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:252 Resp: 1030491

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	5.7	3.6	5.4#



Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
mohammad
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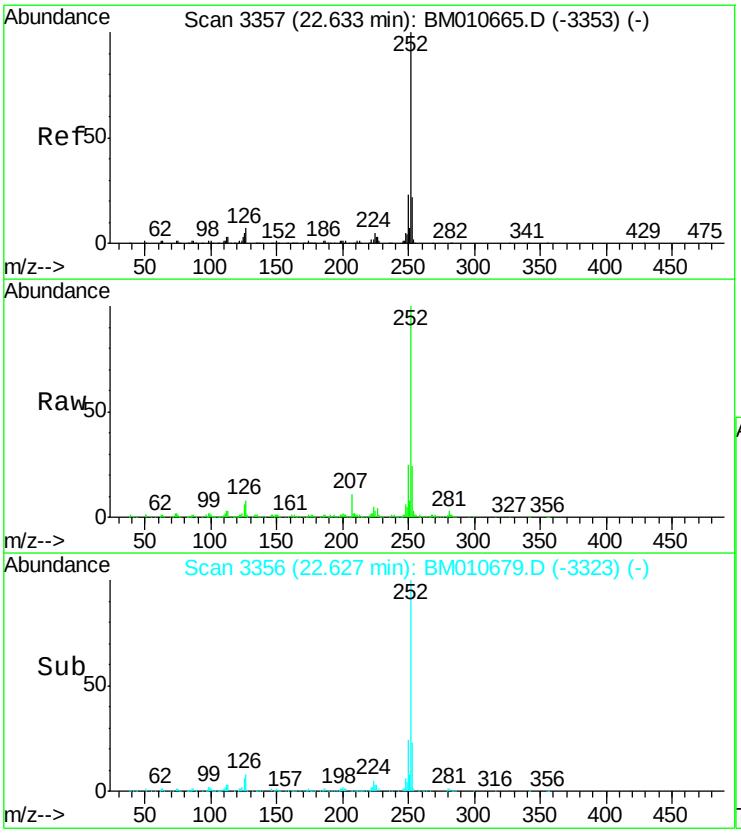
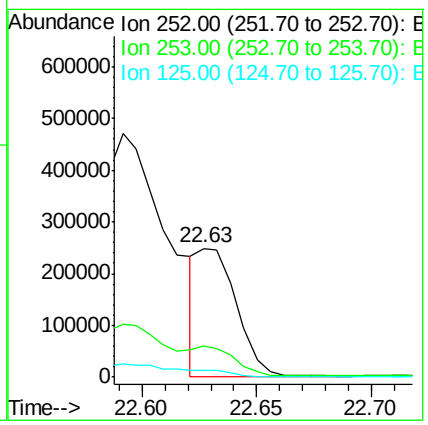
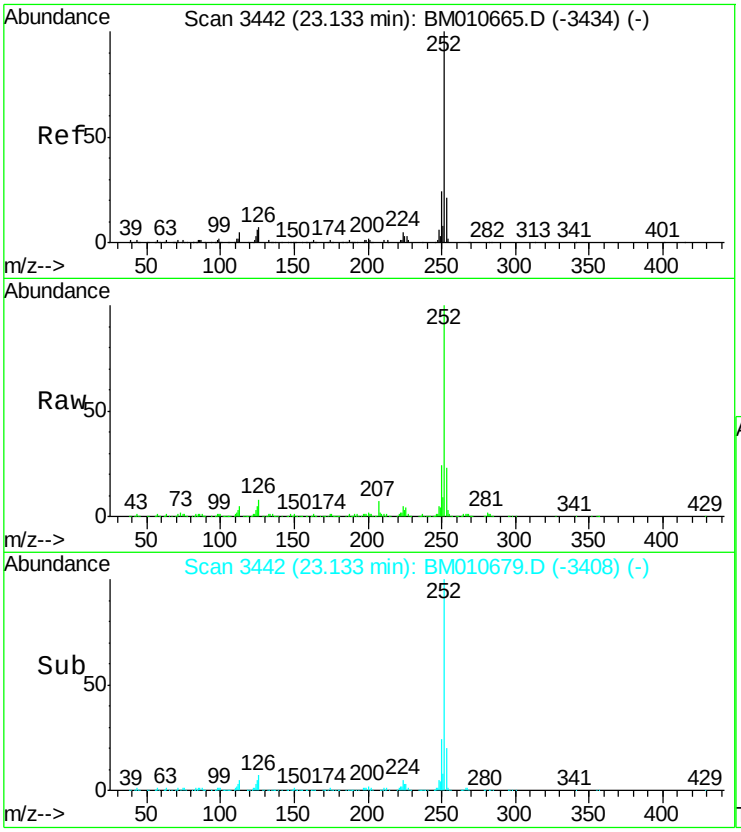


#86
Benzo(k)fluoranthene
Concen: 8.380 ng/ul m
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:252 Resp: 292017

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	5.8	3.4	5.2#

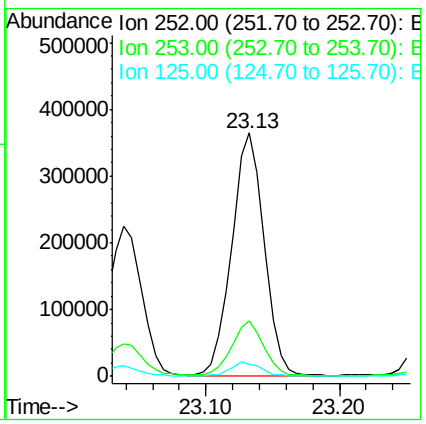




#88
Benzo(a)pyrene
Concen: 17.995 ng/ul
RT: 23.13 min Scan# 3442
Delta R.T. -0.00 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

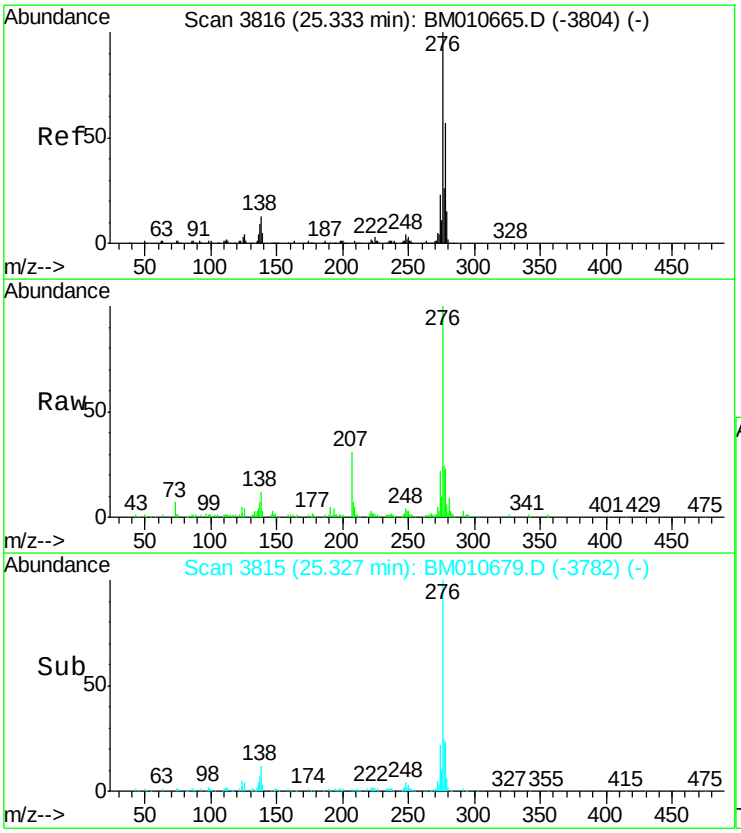
Tgt Ion:252 Resp: 608973

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	5.0	4.0	6.0



Instrument :
BNA_M
ClientSampleId :
F5C50

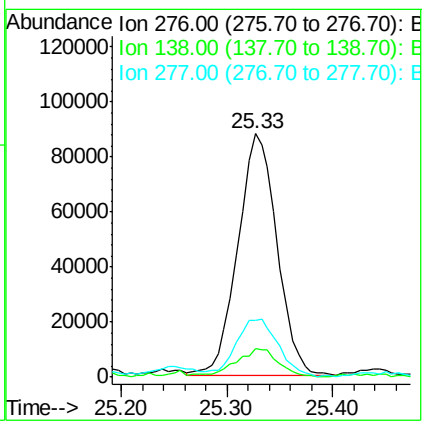
Manual Integrations APPROVED
mohammad
6/26/2017 8:26:32 AM

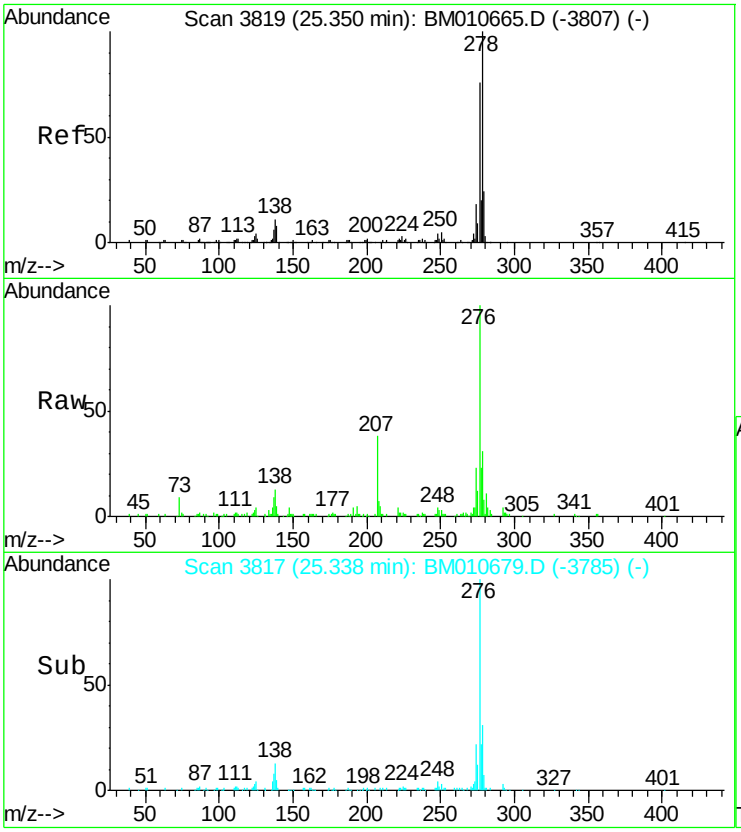


#89
Indeno(1,2,3-cd)pyrene
Concen: 6.415 ng/ul
RT: 25.33 min Scan# 3815
Delta R.T. -0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:276 Resp: 225171

Ion	Ratio	Lower	Upper
276	100		
138	12.0	9.3	13.9
277	23.6	19.9	29.9

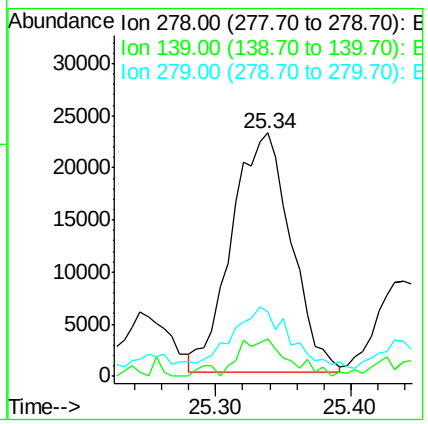




#90
Dibenzo(a,h)anthracene
Concen: 2.403 ng/ul m
RT: 25.34 min Scan# 3817
Delta R.T. -0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

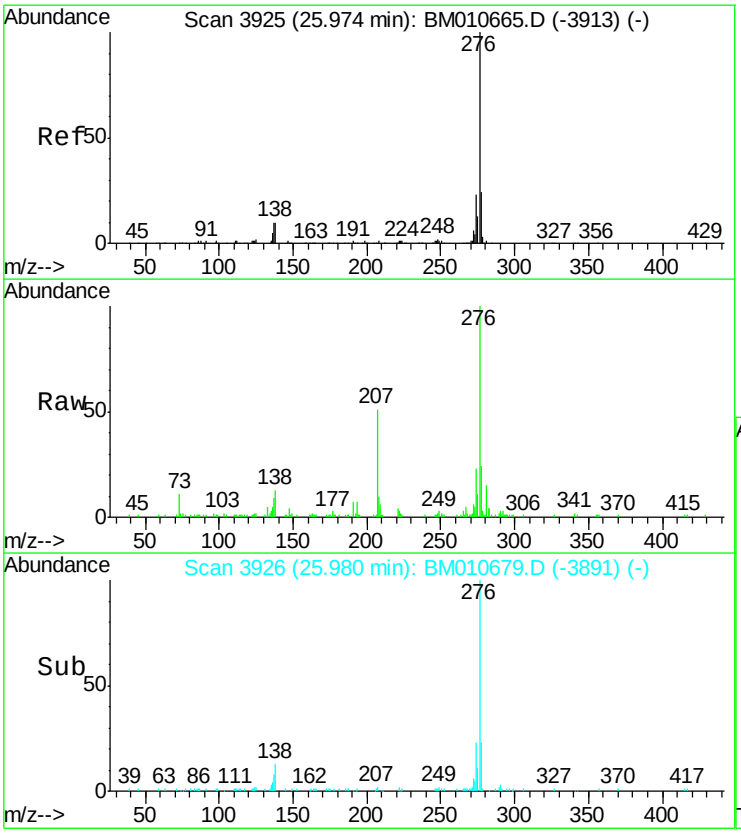
Tgt Ion:278 Resp: 70279

Ion	Ratio	Lower	Upper
278	100		
139	15.4	5.8	8.8#
279	26.7	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
F5C50

Manual Integrations APPROVED
mohammad
6/26/2017 8:26:32 AM



#91
Benzo(g,h,i)perylene
Concen: 5.544 ng/ul
RT: 25.98 min Scan# 3926
Delta R.T. 0.01 min
Lab File: BM010679.D
Acq: 23 Jun 2017 02:44

Tgt Ion:276 Resp: 154898

Ion	Ratio	Lower	Upper
276	100		
138	12.6	8.5	12.7
277	23.7	18.6	28.0