Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R8RE

Manual Integrations APPROVED
MMDadoda
8/7/2015 4:43:46 PM

Quant Time: Aug 13 18:46:12 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	163794	20.00	ng/ul	0.01
18) Naphthalene-d8	10.32	136	612549	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	320482	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.97	188	667262	20.00	ng/ul	0.02
78) Chrysene-d12	21.20	240	875908	20.00	ng/ul	0.04
86) Perylene-d12	23.40	264	849865	20.00	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.96	96	3821	1.33	ng/uL	0.00
5) Phenol-d5	6.73	99	112270	9.23	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.86	67	61100	9.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	97427	9.37	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	89683	8.87	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	46215	10.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	51542	9.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	96586	9.64	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	49716	4.48	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	254286	10.91	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	320419	10.88	ng/ul	0.01
52) 4-Nitrophenol-d4	14.47	143	29940	9.91	ng/ul	0.02
58) Fluorene-d10	15.20	176	220913	10.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	2238	0.58	ng/ul	0.03
71) Anthracene-d10	17.07	188	328579	11.06	ng/ul	0.02
79) Pyrene-d10	19.39	212	373478	8.91	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.26	264	432447	10.48	ng/ul	0.05
Target Compounds						Qvalue
28) Naphthalene	10.36	128	122749	4.24	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	41556	1.86	ng/ul	100
45) Dimethylphthalate	13.66	163	76360	3.28	ng/ul	99
48) Acenaphthylene	13.93	152	465332	15.49	ng/ul	99
50) Acenaphthene	14.27	153	189606	9.66	ng/ul	97
54) Dibenzofuran	14.61	168	125788	4.42	ng/ul	98
59) Fluorene	15.26	166	229189	9.80	ng/ul	99
70) Phenanthrene	17.02	178	4306640	125.70	ng/ul	99
72) Anthracene	17.10	178	1171451	33.45	ng/ul	99
75) Carbazole	17.38	167	286177	9.81	ng/ul	99
77) Fluoranthene	19.06	202	8086463m	215.66	ng/ul	
80) Pyrene	19.43	202	8426614	156.52	ng/ul#	91
83) Benzo(a)anthracene	21.18	228	5137086	104.69	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.09	149	4064124	147.17	ng/ul	96
85) Chrysene	21.24	228	4681633m	103.63	ng/ul	
88) Benzo(b)fluoranthene	22.75	252	5736643	119.80	ng/ul#	96
89) Benzo(k)fluoranthene	22.79	252	1880726m	40.56	ng/ul	
91) Benzo(a)pyrene	23.32	252	4407952	96.38	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.65	276	2840143	55.11	ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	836379m	19.03	ng/ul	
94) Benzo(g,h,i)perylene	26.34	276	2544201	59.28	ng/ul	98

Quantitation Report (LSC Reviewed)

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Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01R8RE

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Quant Time: Aug 13 18:46:12 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
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Manual Integrations APPROVED
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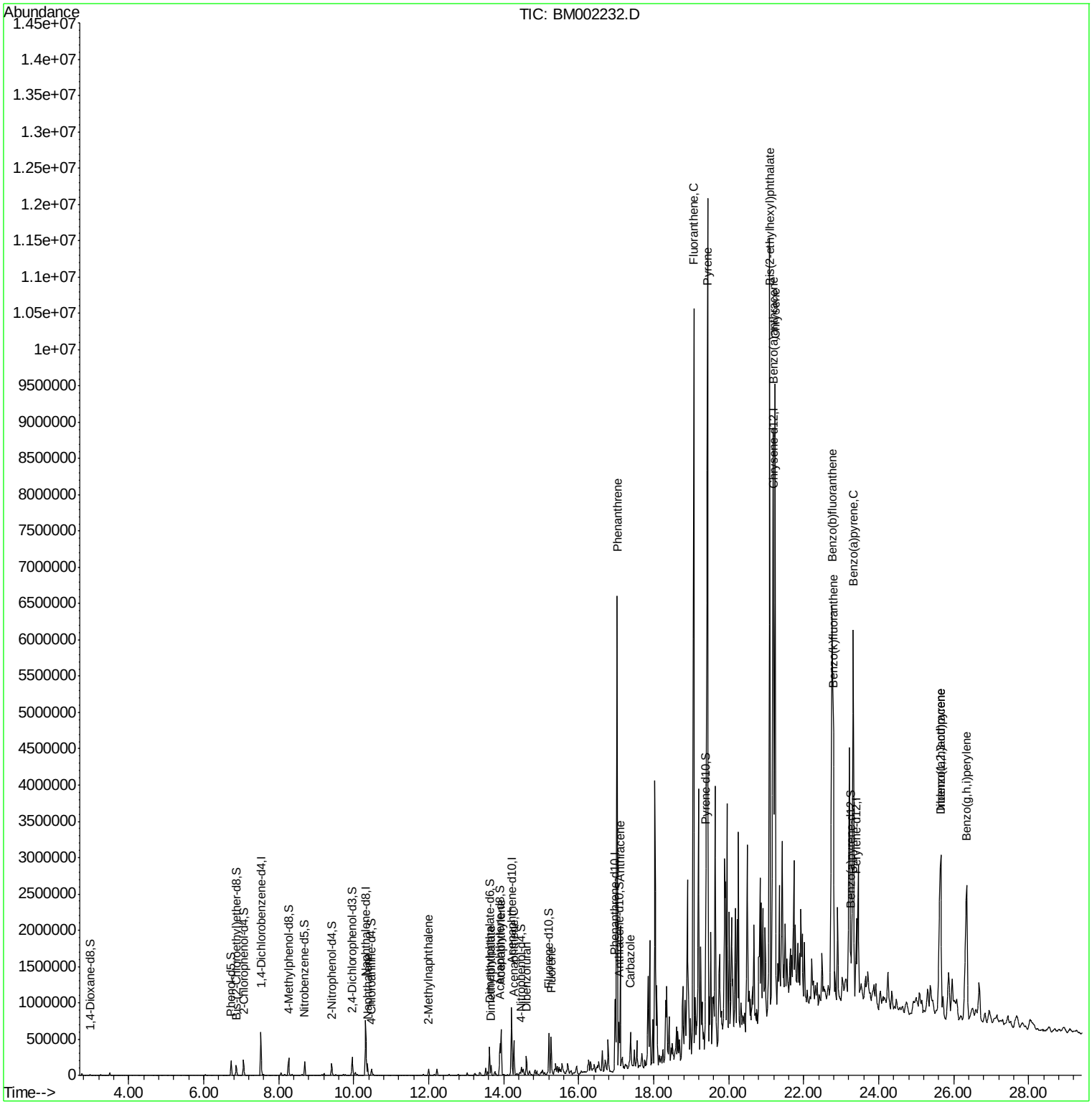
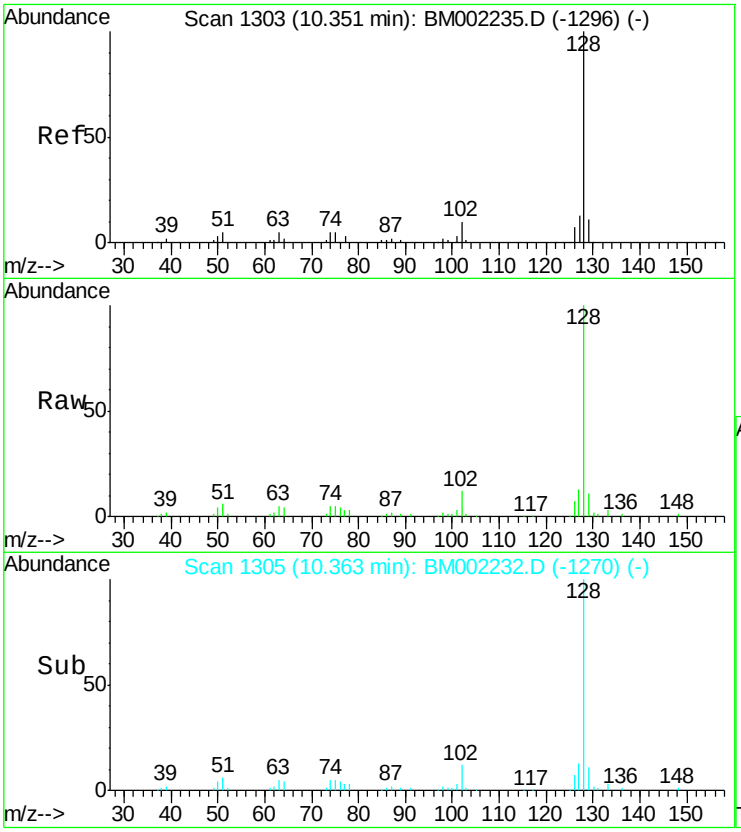
8/7/2015 4:43:46 PM

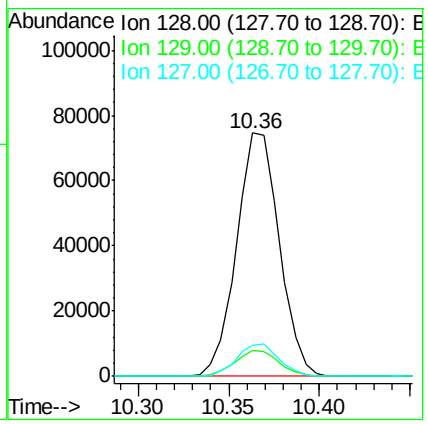




#28
Naphthalene
Concen: 4.24 ng/ul
RT: 10.36 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:128 Resp: 122749

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.2	12.2
127	12.9	10.1	15.1



Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations APPROVED
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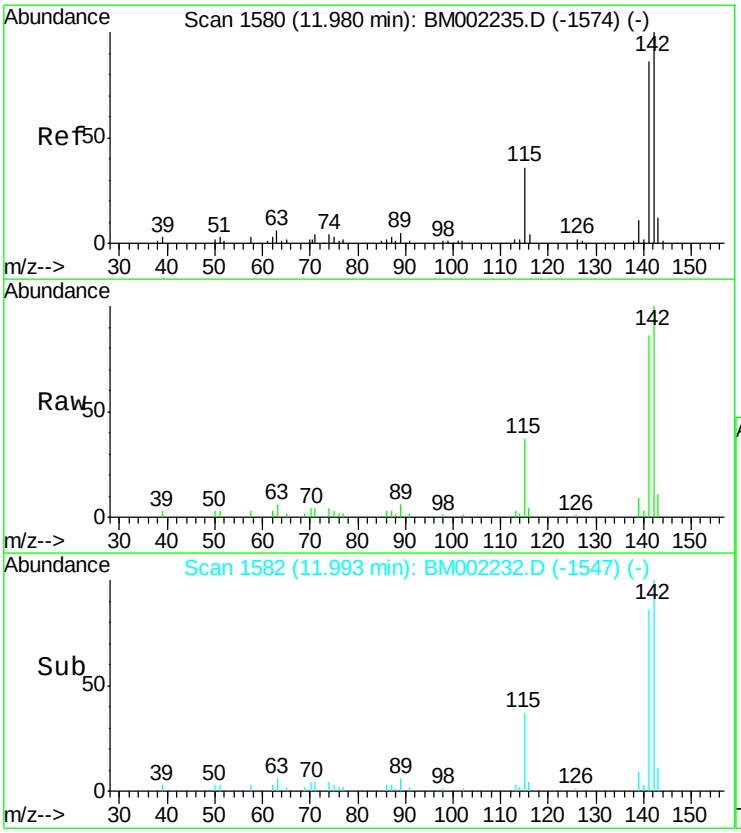
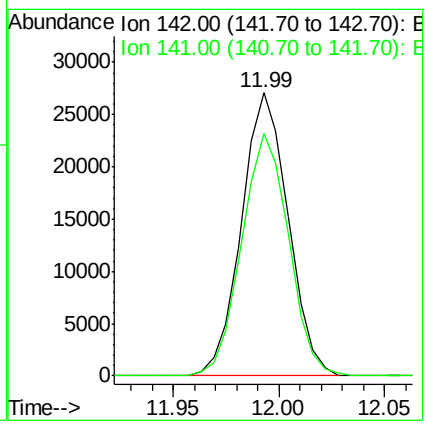
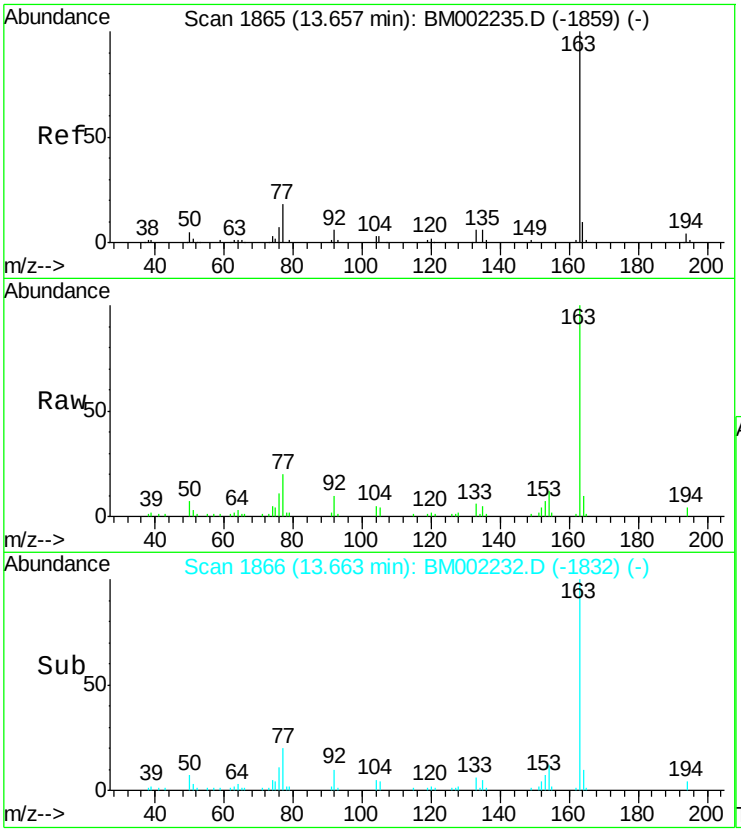


#34
2-Methylnaphthalene
Concen: 1.86 ng/ul
RT: 11.99 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:142 Resp: 41556

Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.9	103.3

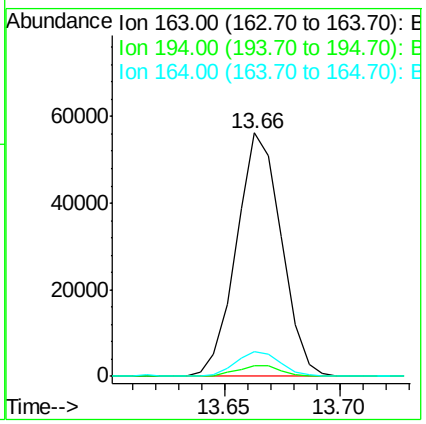




#45
Dimethylphthalate
Concen: 3.28 ng/ul
RT: 13.66 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:163 Resp: 76360

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	7.9	11.9



Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations APPROVED
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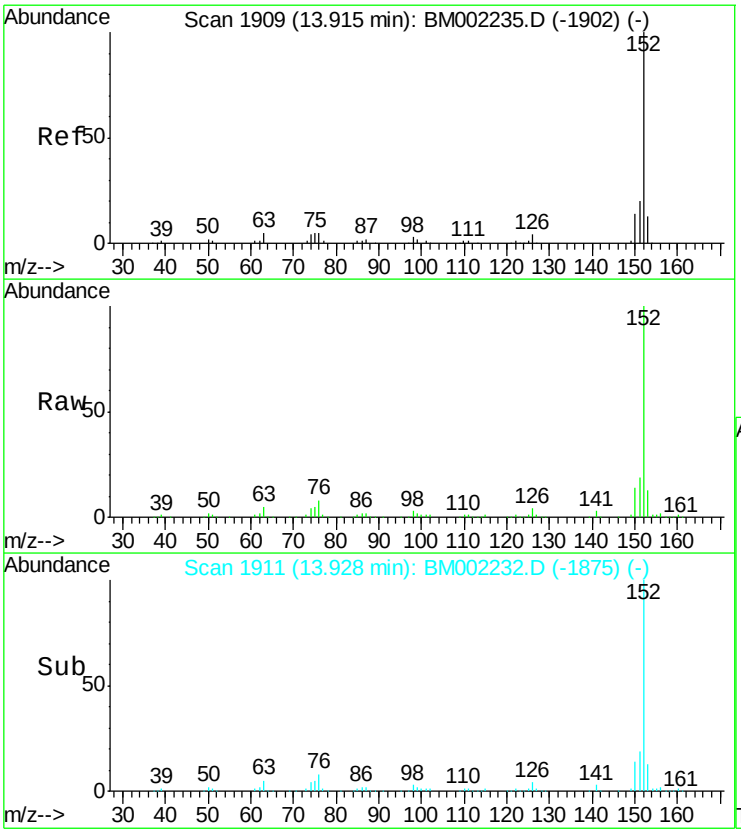
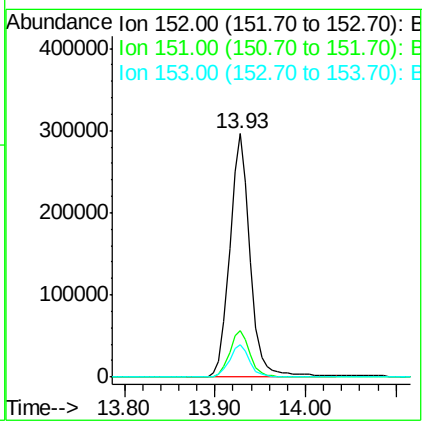
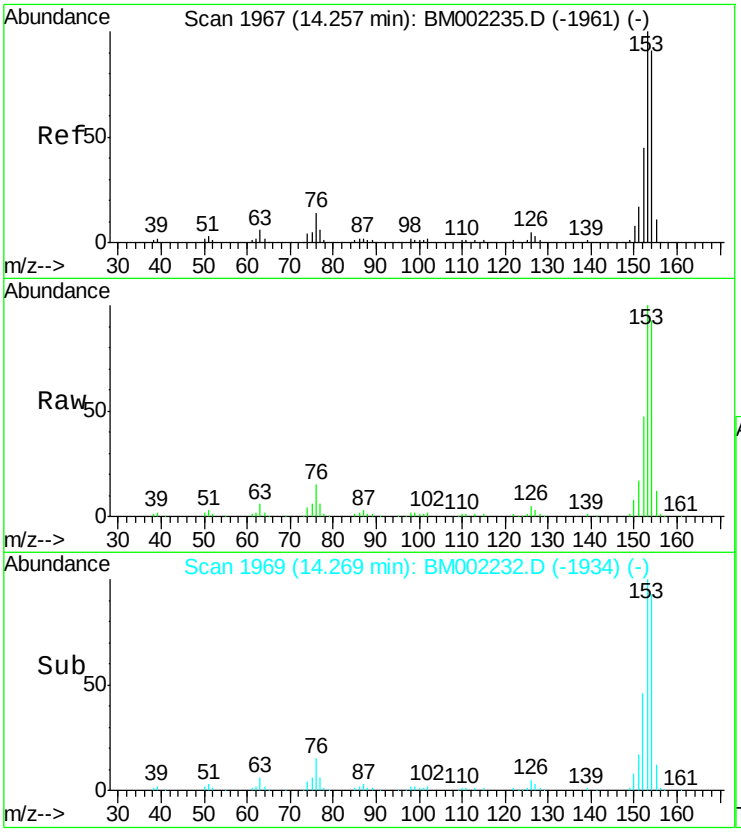


#48
Acenaphthylene
Concen: 15.49 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:152 Resp: 465332

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.2	22.8
153	13.4	10.3	15.5

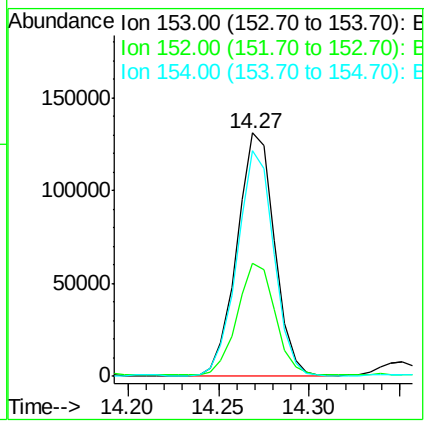




#50
Acenaphthene
Concen: 9.66 ng/ul
RT: 14.27 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:153 Resp: 189606

Ion	Ratio	Lower	Upper
153	100		
152	46.7	36.6	54.8
154	92.6	71.7	107.5



Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations APPROVED
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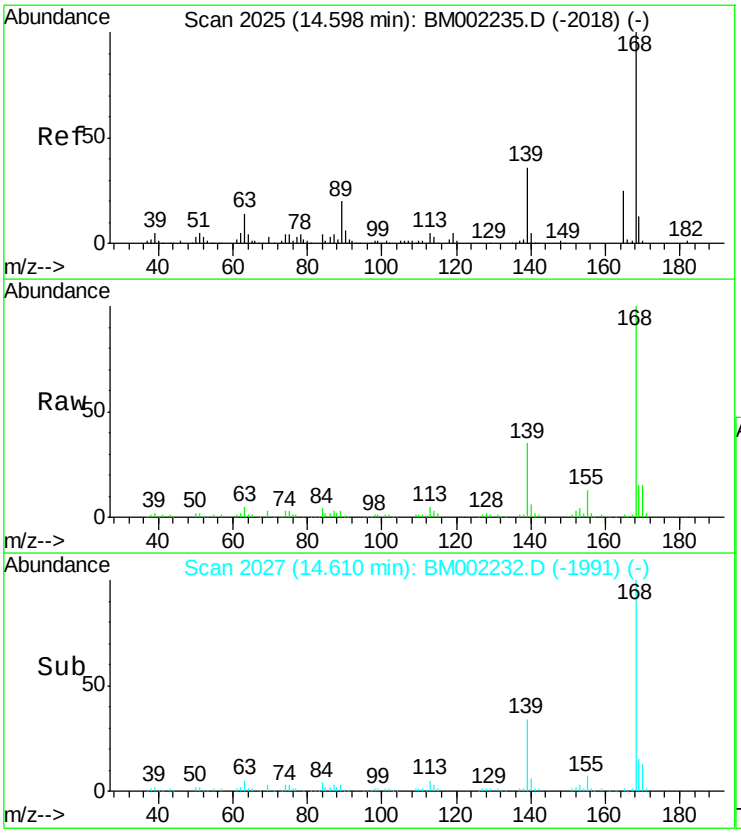
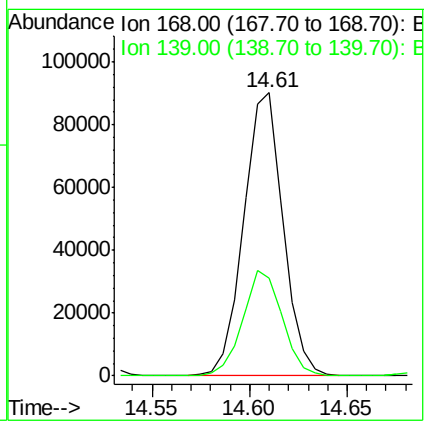
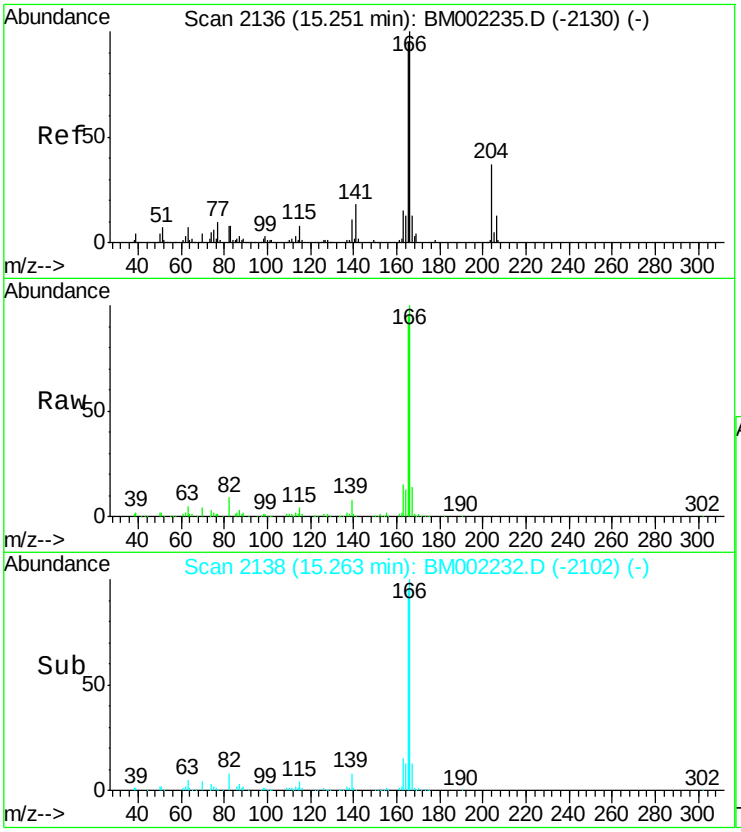


#54
Dibenzofuran
Concen: 4.42 ng/ul
RT: 14.61 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:168 Resp: 125788

Ion	Ratio	Lower	Upper
168	100		
139	34.6	28.6	42.8

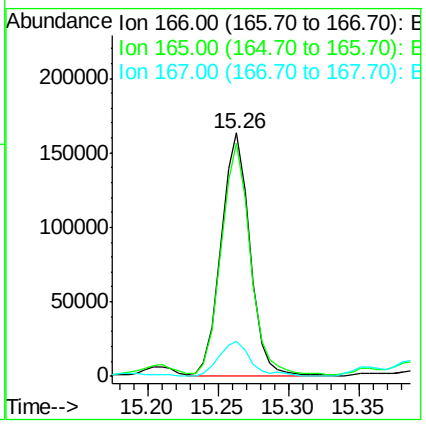




#59
Fluorene
Concen: 9.80 ng/ul
RT: 15.26 min Scan# 2138
Delta R.T. 0.01 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:166 Resp: 229189

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.0	114.0
167	14.2	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations APPROVED
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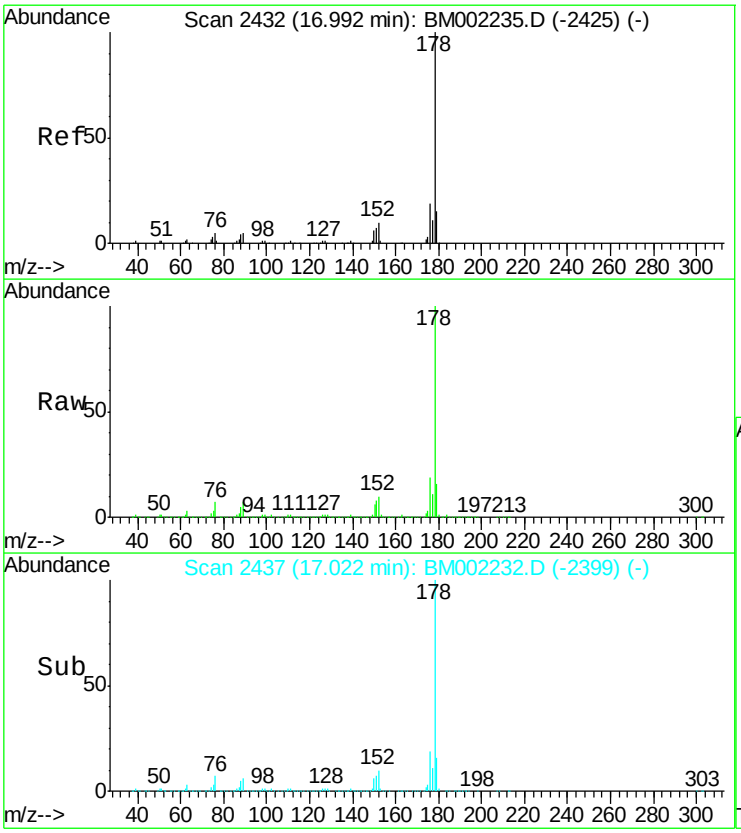
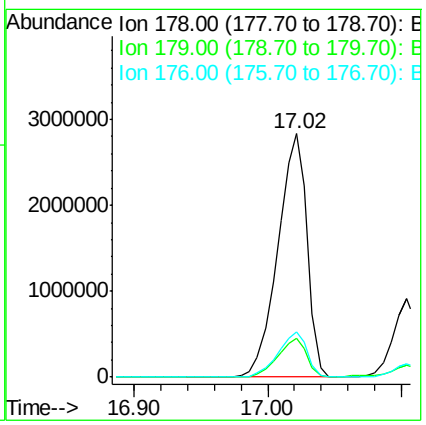
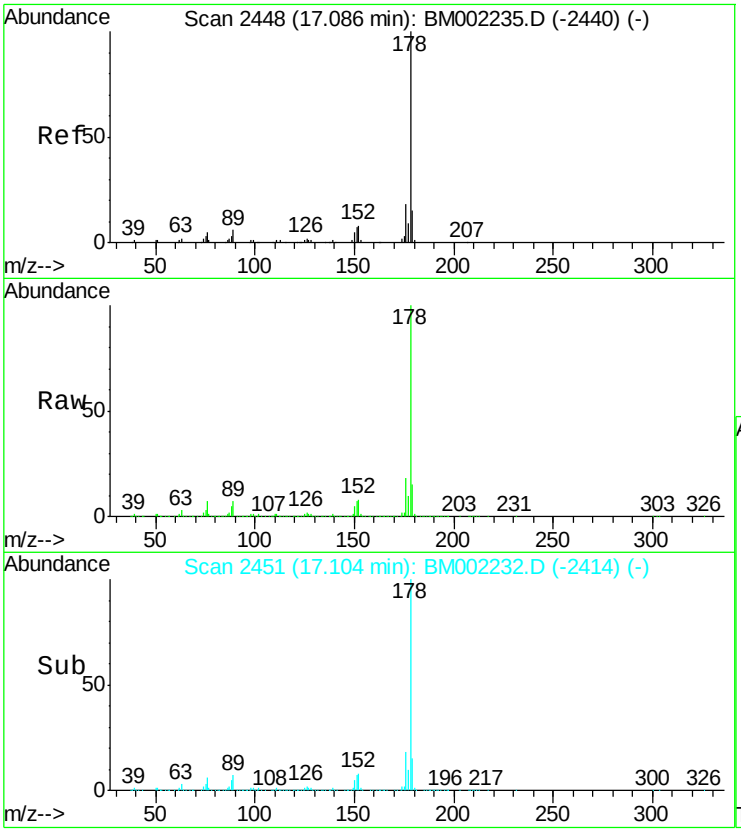


#70
Phenanthrene
Concen: 125.70 ng/ul
RT: 17.02 min Scan# 2437
Delta R.T. 0.02 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:178 Resp: 4306640

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	18.8	14.6	21.8

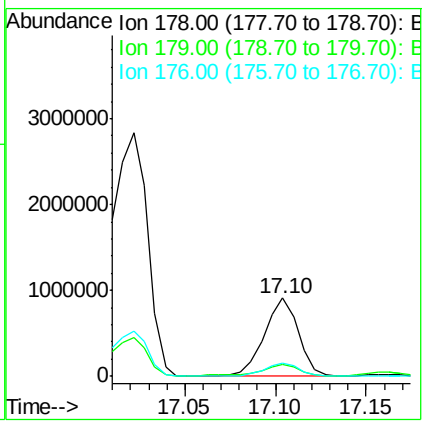




#72
Anthracene
Concen: 33.45 ng/ul
RT: 17.10 min Scan# 2451
Delta R.T. 0.02 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:178 Resp: 1171451

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	17.5	13.8	20.6



Instrument :
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ClientSampleId :
C01R8RE

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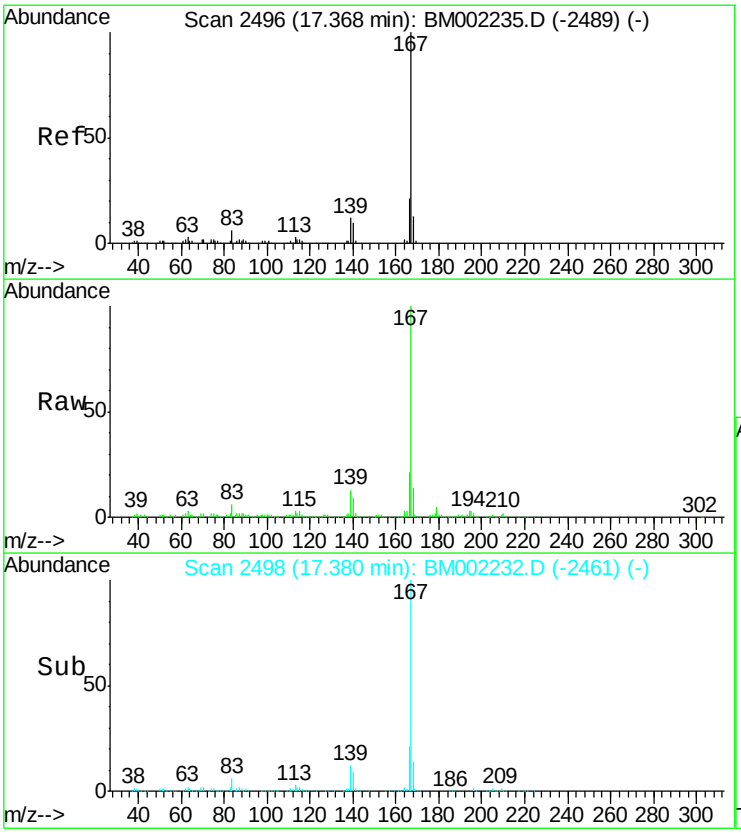
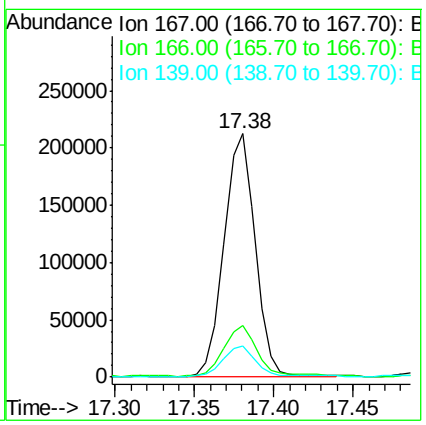
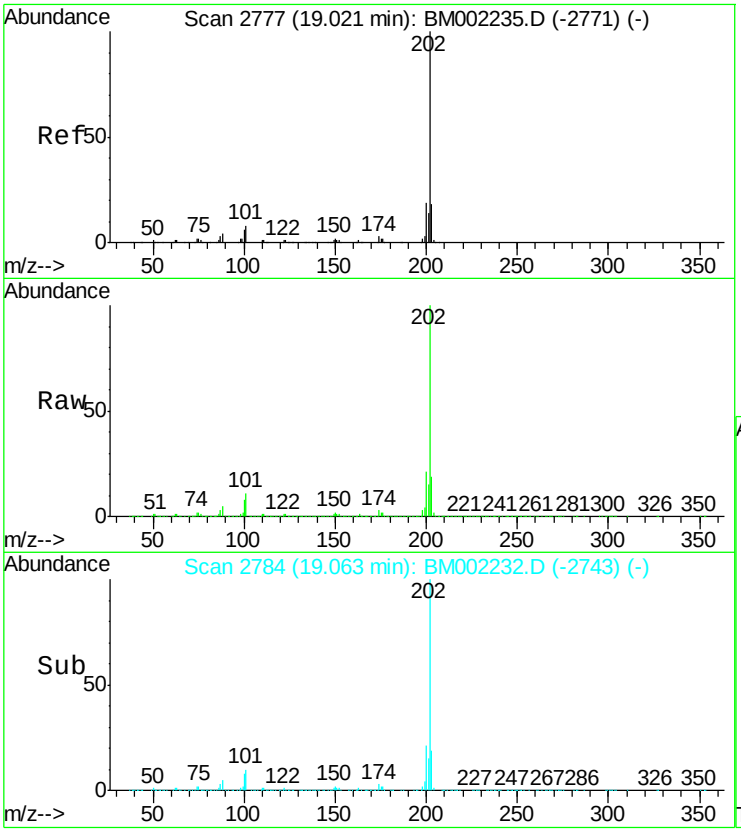


#75
Carbazole
Concen: 9.81 ng/ul
RT: 17.38 min Scan# 2498
Delta R.T. 0.02 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:167 Resp: 286177

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.7	25.1
139	12.6	9.4	14.2





#77
Fluoranthene
Concen: 215.66 ng/ul m
RT: 19.06 min Scan# 2784
Delta R.T. 0.04 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:202 Resp: 8086463

Ion	Ratio	Lower	Upper
202	100		
101	10.5	6.2	9.2#
100	8.1	4.8	7.2#

Instrument :
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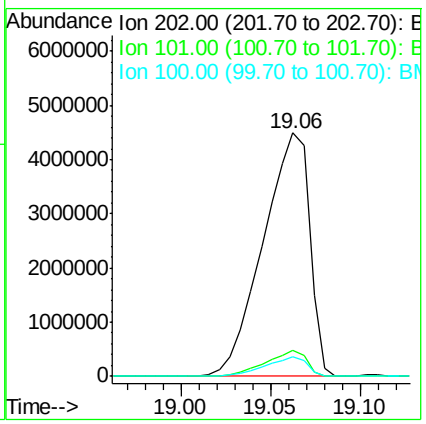
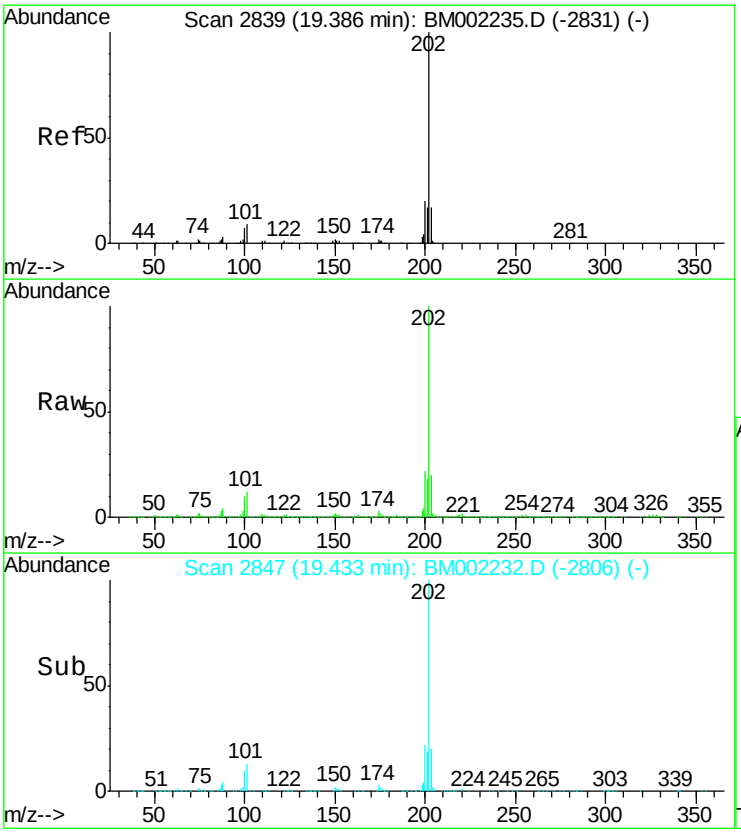
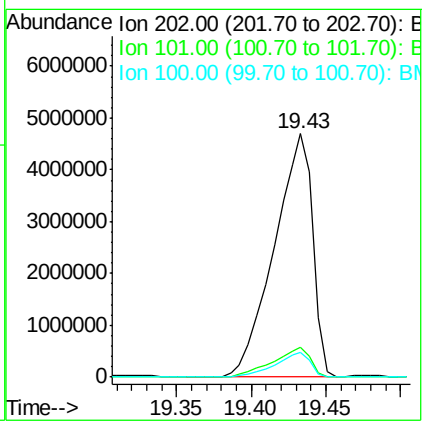


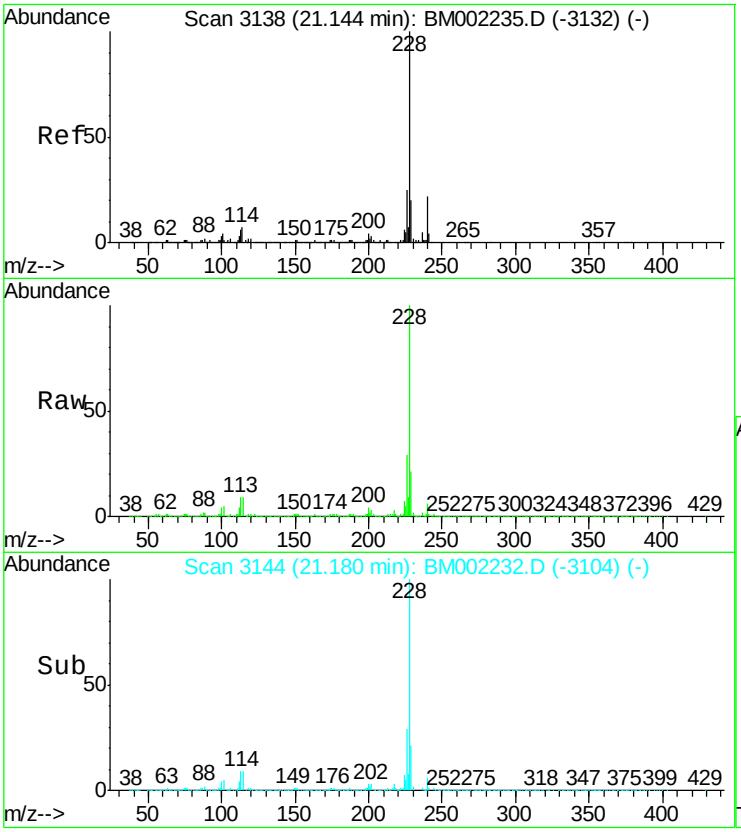


#80
Pyrene
Concen: 156.52 ng/ul
RT: 19.43 min Scan# 2847
Delta R.T. 0.04 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:202 Resp: 8426614

Ion	Ratio	Lower	Upper
202	100		
101	12.4	7.0	10.6#
100	10.3	5.8	8.8#

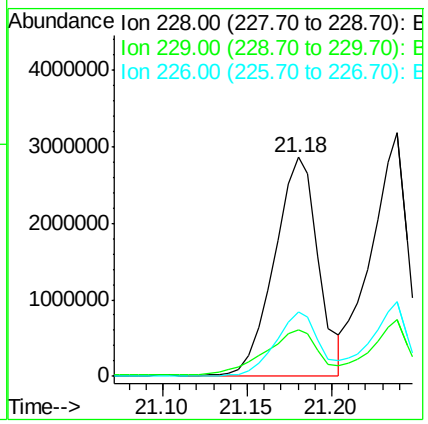




#83
Benzo(a)anthracene
Concen: 104.69 ng/ul
RT: 21.18 min Scan# 3144
Delta R.T. 0.04 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:228 Resp: 5137086

Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.9	23.9
226	29.2	20.6	31.0



Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations APPROVED
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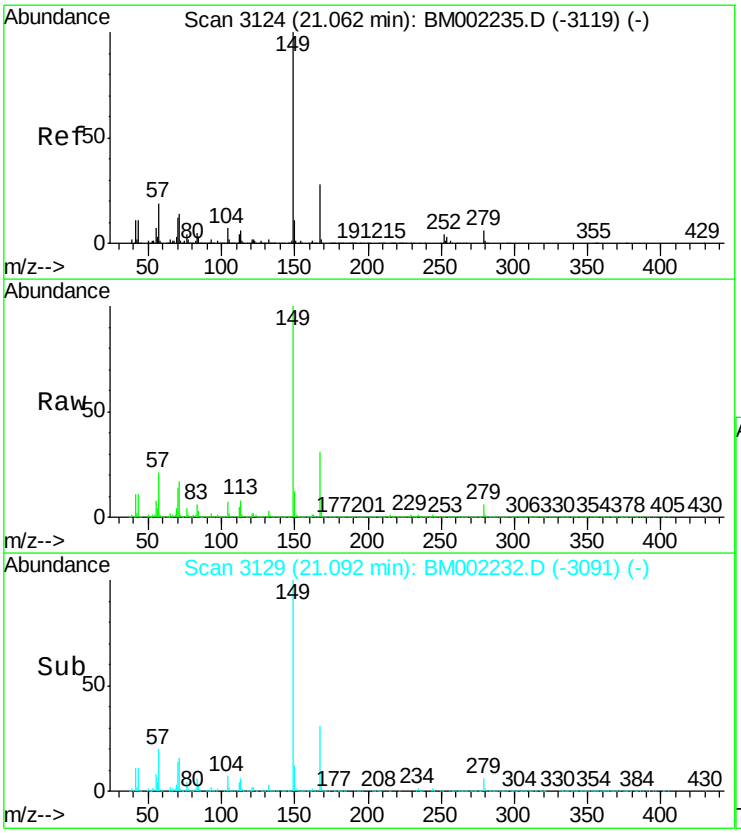
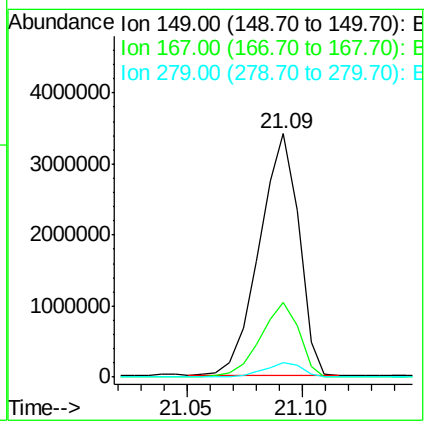
8/7/2015 4:43:46 PM

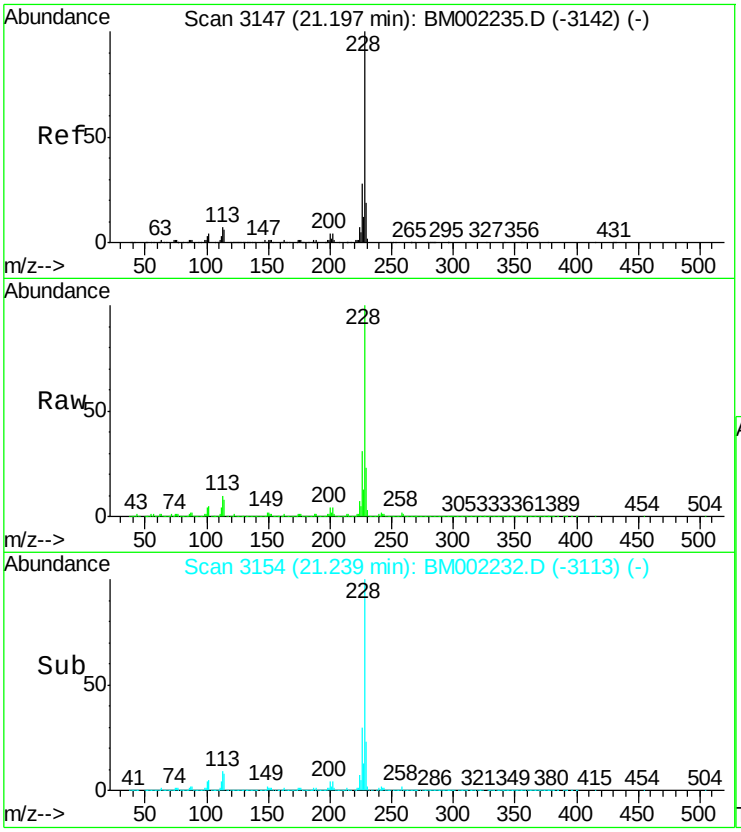


#84
Bis(2-ethylhexyl)phthalate
Concen: 147.17 ng/ul
RT: 21.09 min Scan# 3129
Delta R.T. 0.02 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:149 Resp: 4064124

Ion	Ratio	Lower	Upper
149	100		
167	30.7	23.0	34.4
279	5.7	4.0	6.0

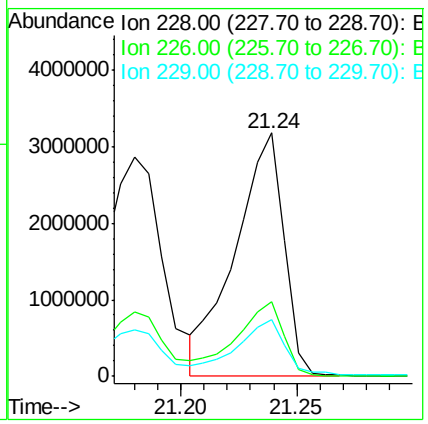




#85
Chrysene
Concen: 103.63 ng/ul m
RT: 21.24 min Scan# 3154
Delta R.T. 0.04 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:228 Resp: 4681633

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.2	33.4
229	23.4	15.5	23.3#



Instrument :
BNA_M
ClientSampleId :
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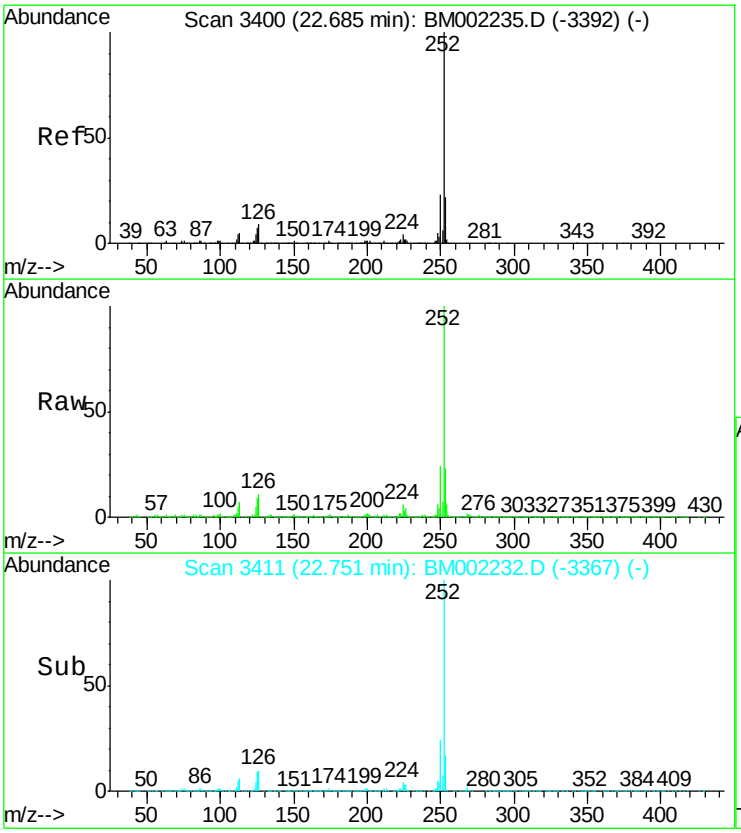
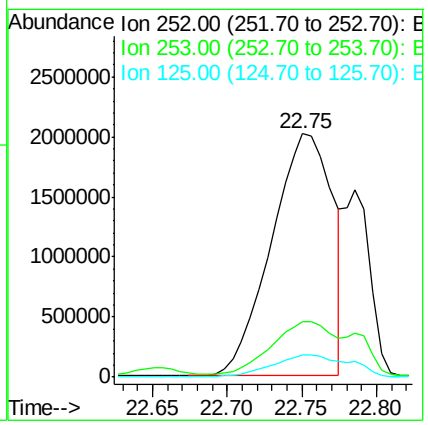
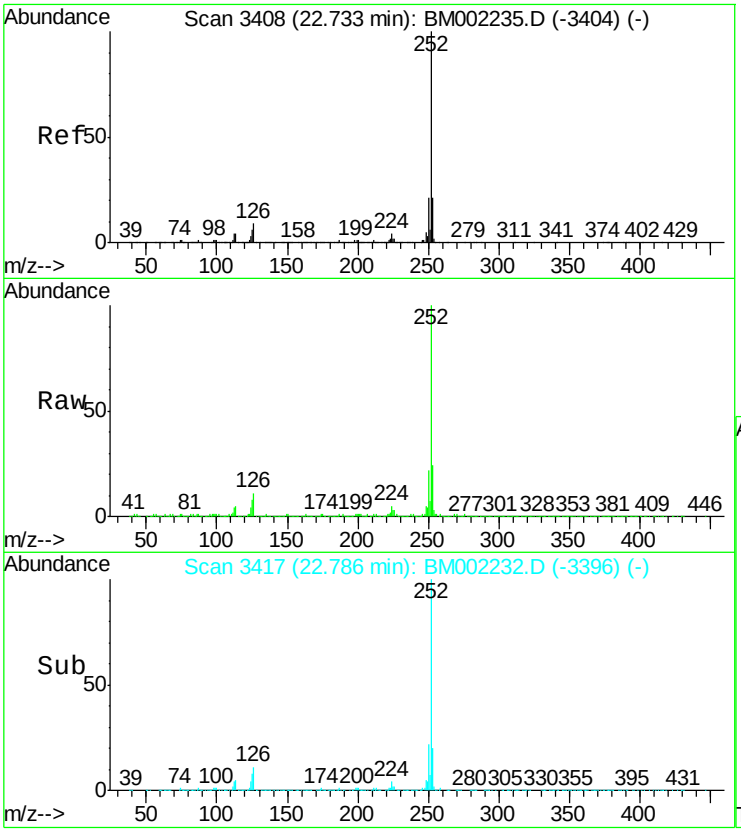


#88
Benzo(b)fluoranthene
Concen: 119.80 ng/ul
RT: 22.75 min Scan# 3411
Delta R.T. 0.06 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:252 Resp: 5736643

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	9.2	5.4	8.2#

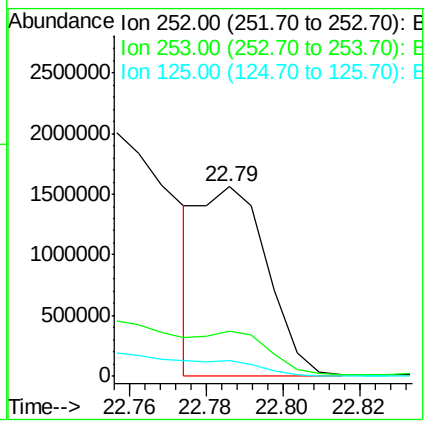




#89
Benzo(k)fluoranthene
Concen: 40.56 ng/ul m
RT: 22.79 min Scan# 3417
Delta R.T. 0.05 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:252 Resp: 1880726

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	8.1	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
C01R8RE

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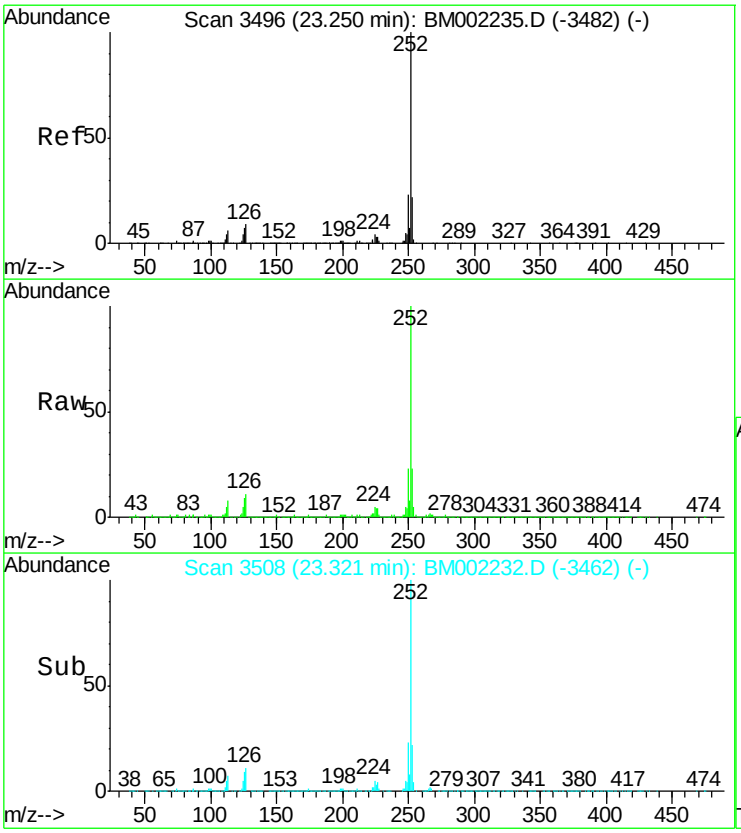
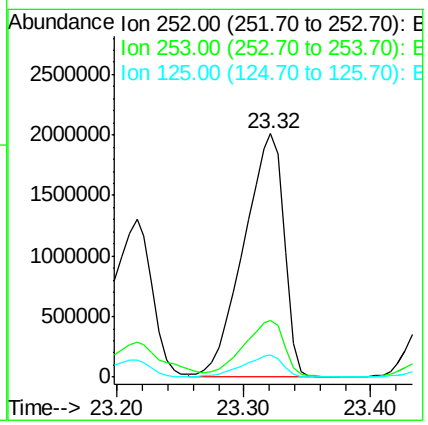
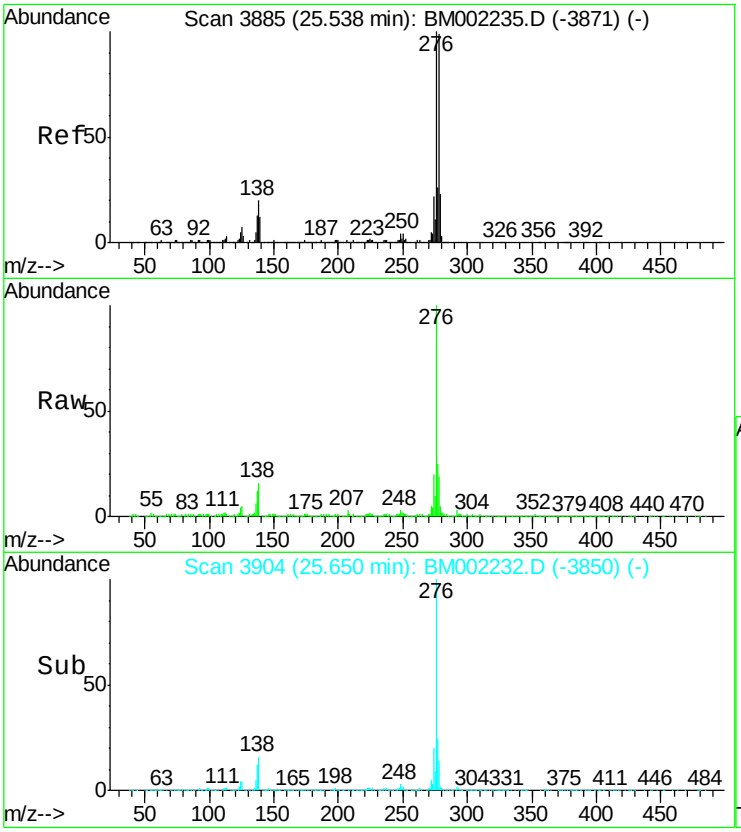


#91
Benzo(a)pyrene
Concen: 96.38 ng/ul
RT: 23.32 min Scan# 3508
Delta R.T. 0.07 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:252 Resp: 4407952

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.1	6.1	9.1

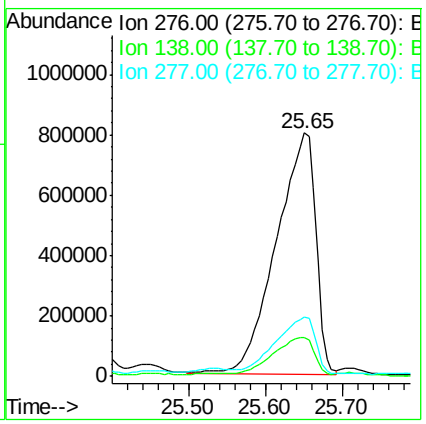




#92
Indeno(1,2,3-cd)pyrene
Concen: 55.11 ng/ul
RT: 25.65 min Scan# 3904
Delta R.T. 0.12 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:276 Resp: 2840143

Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.4	23.0
277	24.5	20.2	30.2



Instrument :
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ClientSampleId :
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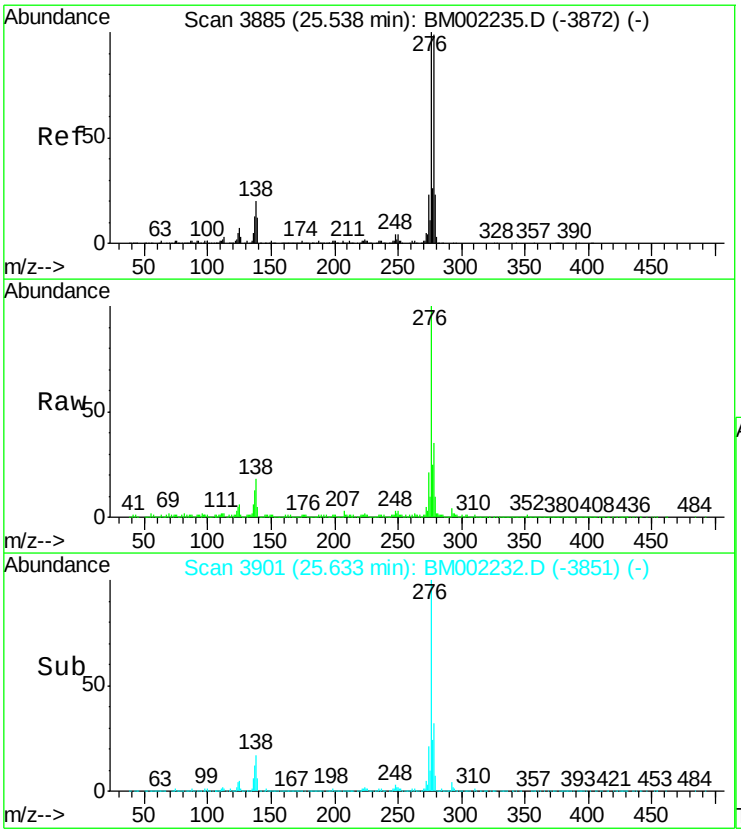
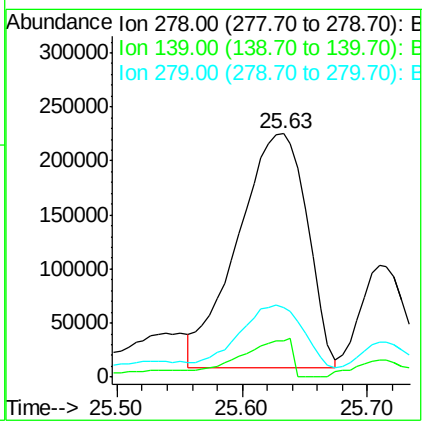
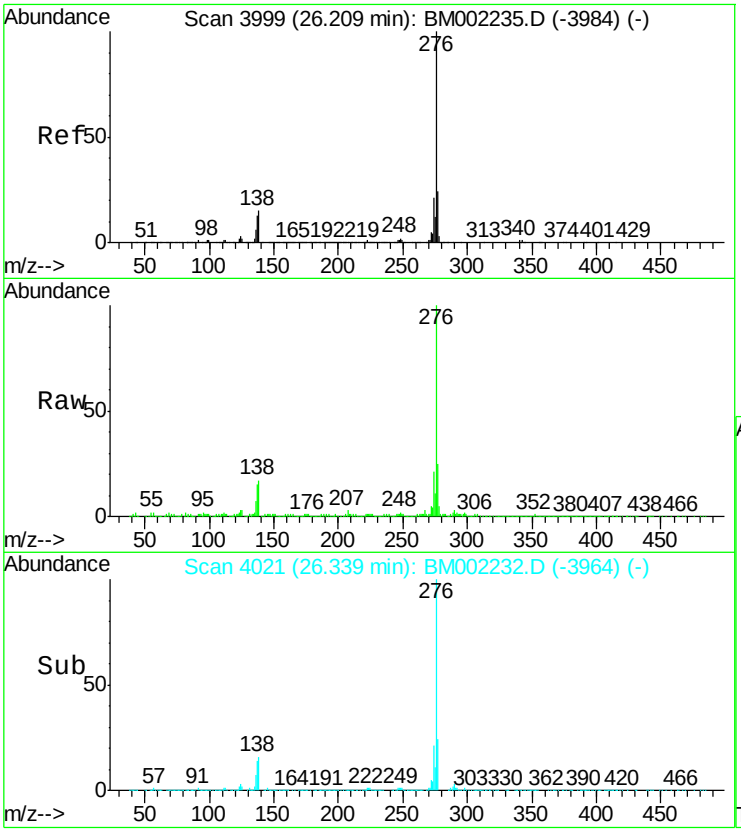


#93
Dibenzo(a,h)anthracene
Concen: 19.03 ng/ul m
RT: 25.63 min Scan# 3901
Delta R.T. 0.09 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:278 Resp: 836379

Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.4	15.6
279	28.8	17.9	26.9#

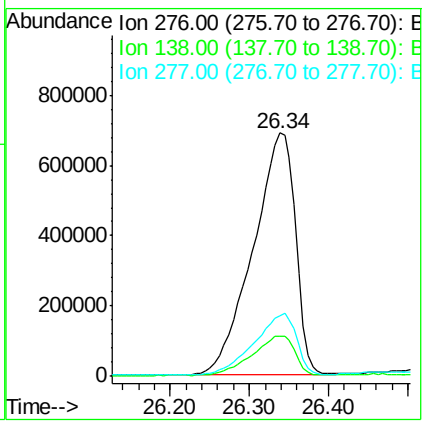




#94
Benzo(g,h,i)perylene
Concen: 59.28 ng/ul
RT: 26.34 min Scan# 4021
Delta R.T. 0.14 min
Lab File: BM002232.D
Acq: 05 Aug 2015 04:45

Tgt Ion:276 Resp: 2544201

Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.5	18.7
277	24.8	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
C01R8RE

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