Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080915\
Data File : BM002308.D
Acq On : 09 Aug 2015 10:54
Operator : TP/UM
Sample : G3161-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9C58

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:29:02 PM

Quant Time: Aug 10 05:58:33 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 05:35:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	280465	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	1355523	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	706924	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1405286	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1131057	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	983457	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	1353155	18.48	ng/ul	0.00
10) Fluorene-d10	16.47	176	897716	17.63	ng/ul	0.00
14) Anthracene-d10	18.30	188	1264326	18.54	ng/ul	0.00
18) Pyrene-d10	20.52	212	1149935	20.96	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	850060	16.28	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	11.85	128	82031	1.15	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	85945	1.69	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	56174	1.12	ng/ul	96
13) Phenanthrene	18.25	178	500946	6.19	ng/ul	99
15) Anthracene	18.34	178	99512	1.19	ng/ul	99
16) Fluoranthene	20.19	202	915438	10.22	ng/ul	98
19) Pyrene	20.55	202	740048	10.12	ng/ul	99
20) Benzo(a)anthracene	22.27	228	398549	5.77	ng/ul	98
21) Chrysene	22.33	228	418049	6.39	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	582598	9.53	ng/ul	97
24) Benzo(k)fluoranthene	24.20	252	192467m	3.28	ng/ul	
26) Benzo(a)pyrene	24.87	252	373847	6.39	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	272943	4.07	ng/ul	92
28) Dibenzo(a,h)anthracene	27.83	278	77356m	1.36	ng/ul	
29) Benzo(g,h,i)perylene	28.73	276	260317	4.60	ng/ul	97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080915\
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QLast Update : Mon Aug 10 05:35:03 2015
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Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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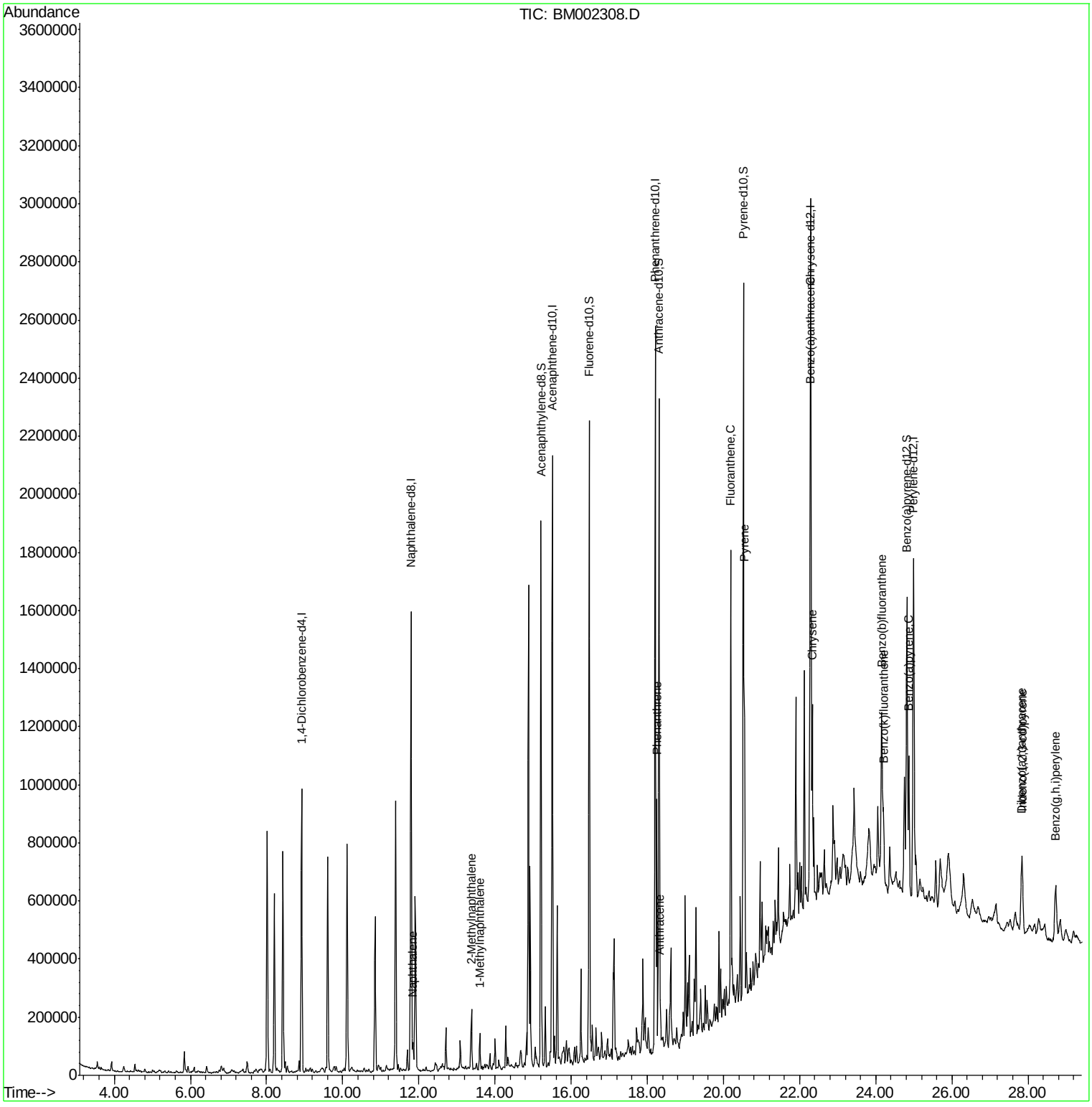
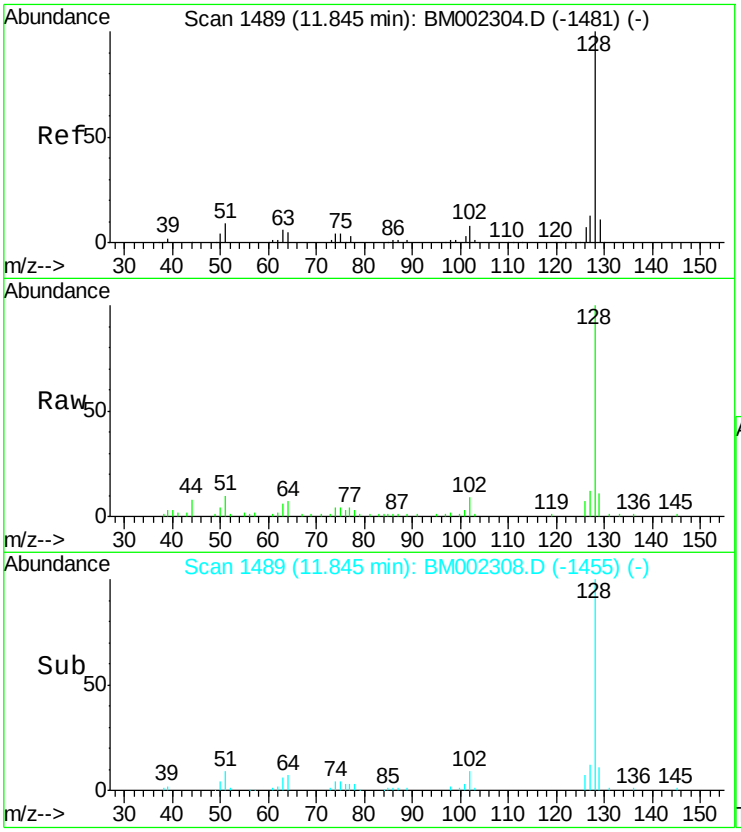
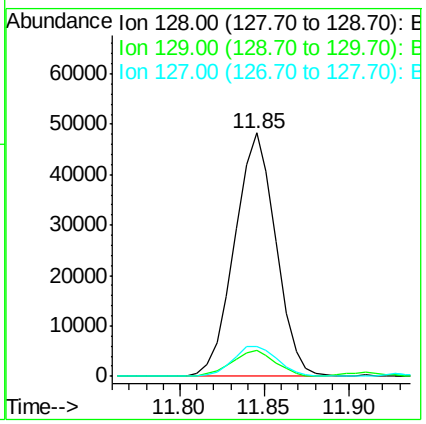




#3
Naphthalene
Concen: 1.15 ng/ul
RT: 11.85 min Scan# 1489
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:128 Resp: 82031

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	12.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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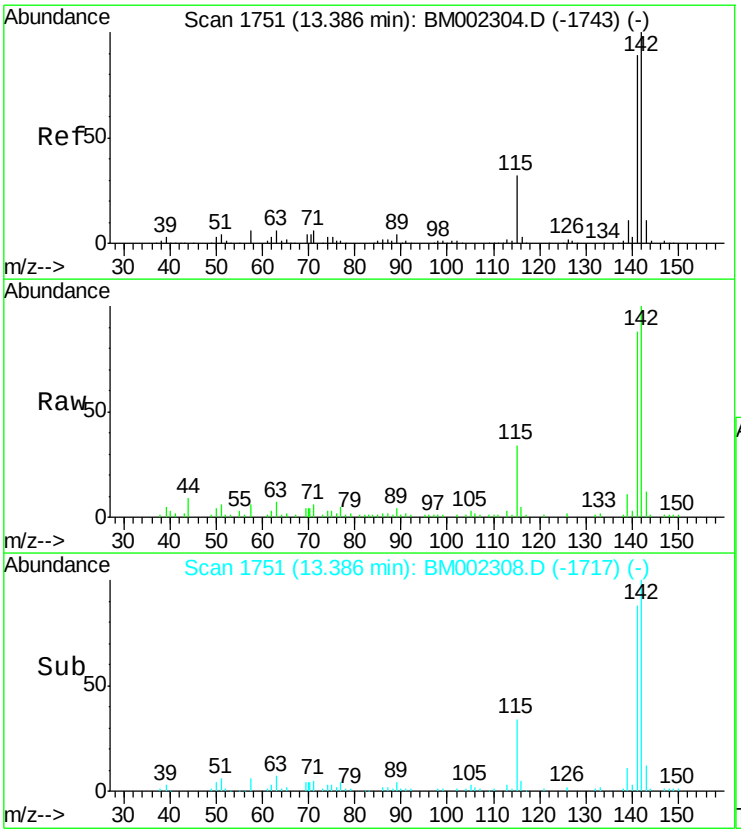
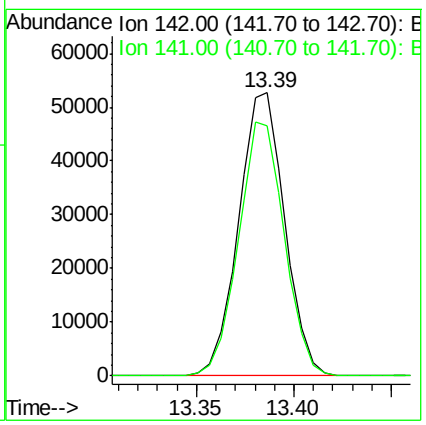
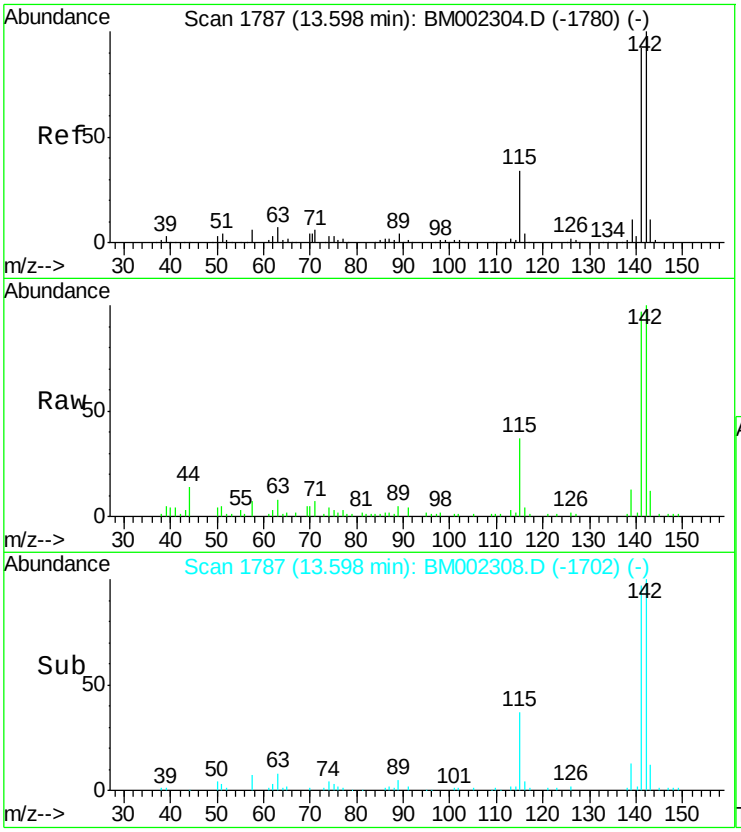


#4
2-Methylnaphthalene
Concen: 1.69 ng/ul
RT: 13.39 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:142 Resp: 85945

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.5	108.7

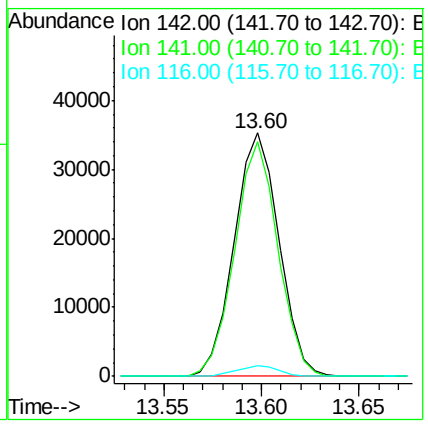




#5
1-Methylnaphthalene
Concen: 1.12 ng/ul
RT: 13.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:142 Resp: 56174

Ion	Ratio	Lower	Upper
142	100		
141	96.6	74.5	111.7
116	4.1	3.0	4.4



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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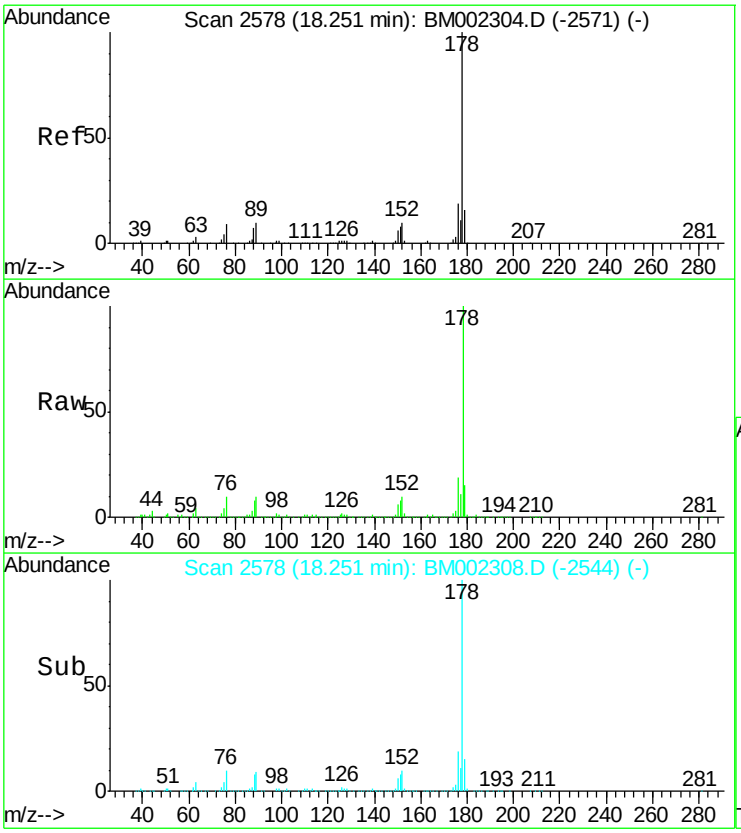
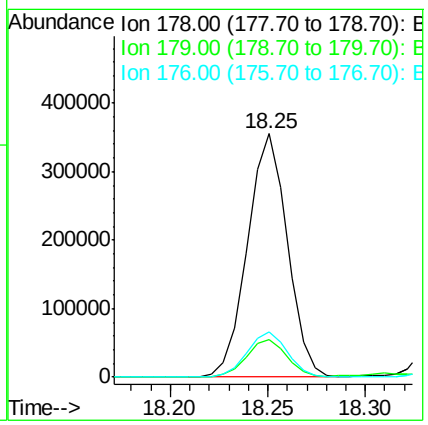
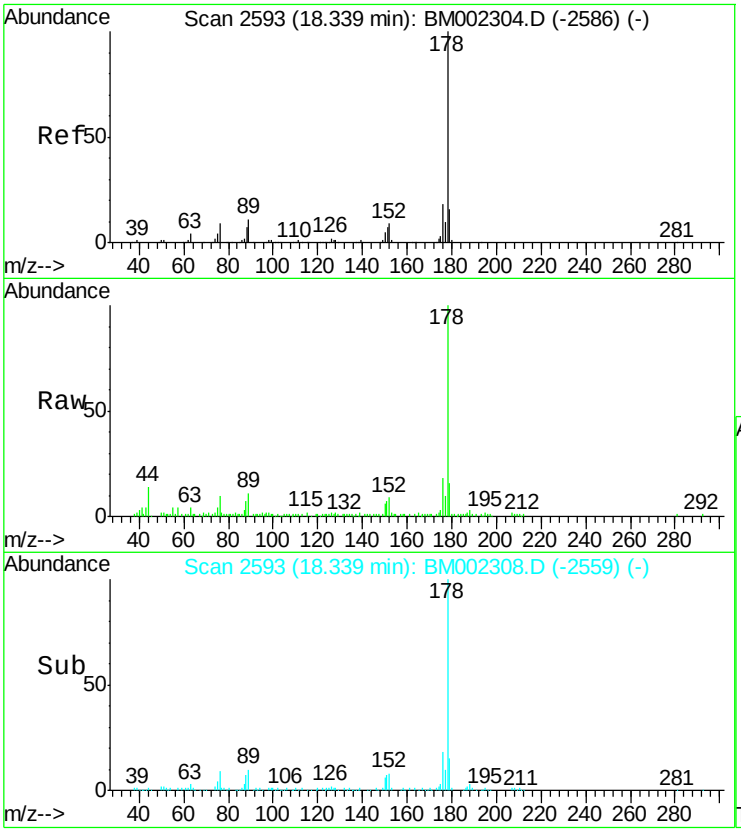


#13
Phenanthrene
Concen: 6.19 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:178 Resp: 500946

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.6	15.3	22.9

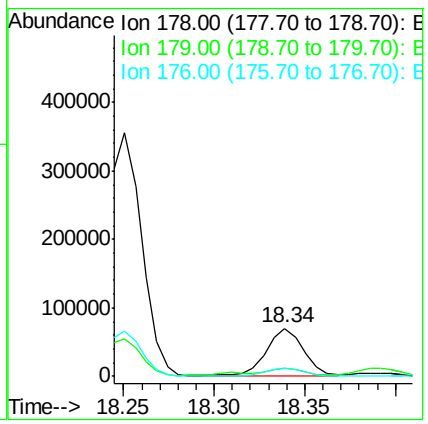




#15
Anthracene
Concen: 1.19 ng/ul
RT: 18.34 min Scan# 2593
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:178 Resp: 99512

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	17.8	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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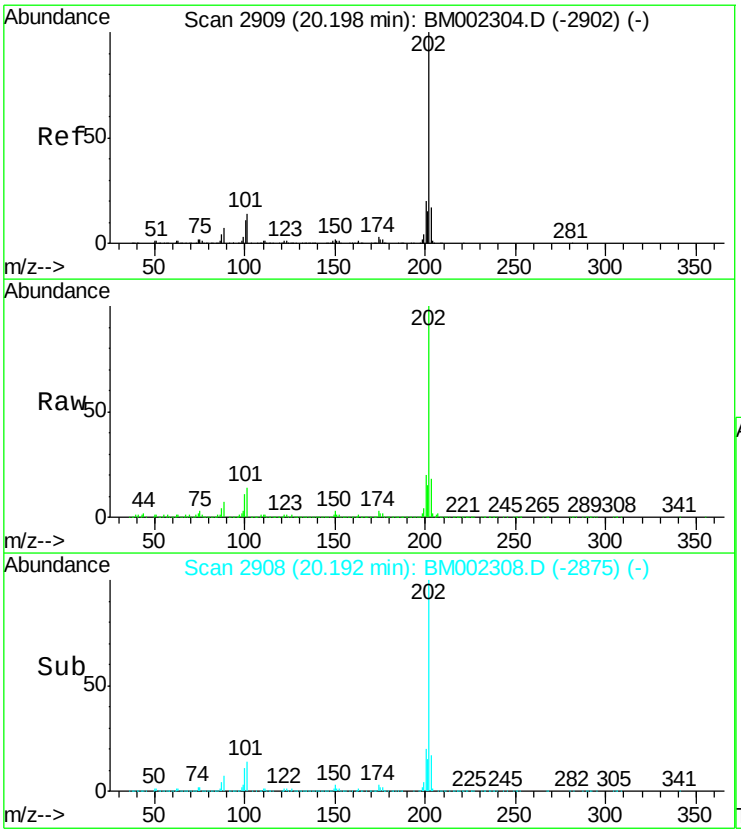
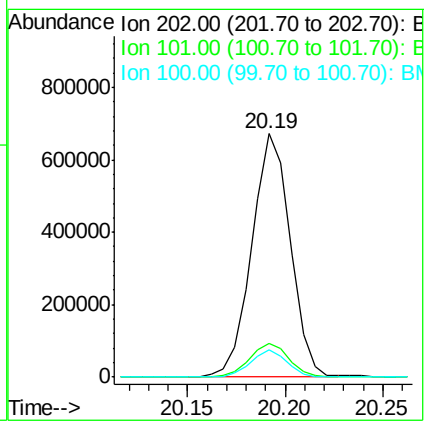
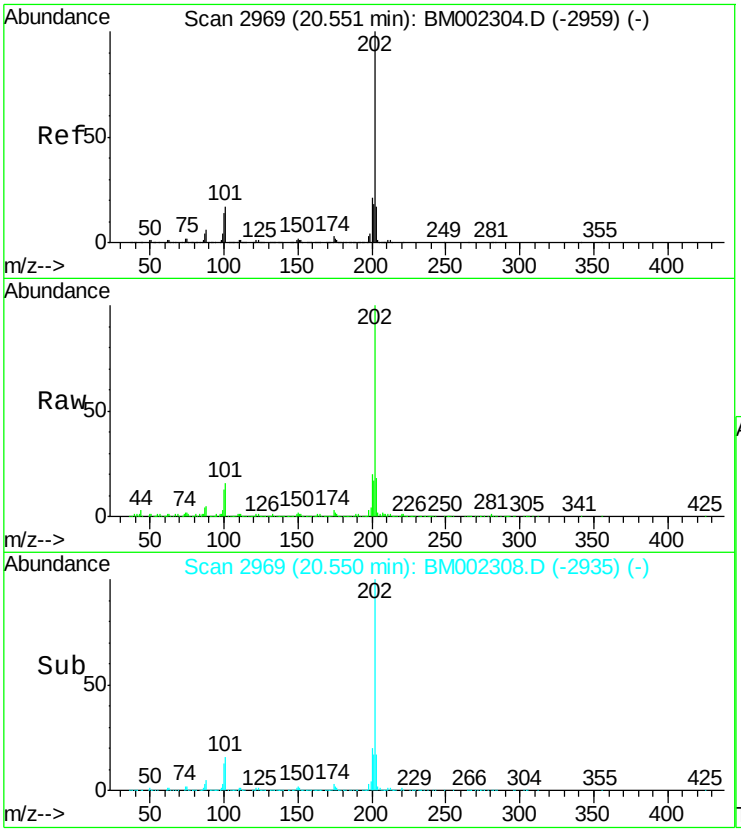


#16
Fluoranthene
Concen: 10.22 ng/ul
RT: 20.19 min Scan# 2908
Delta R.T. -0.01 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:202 Resp: 915438

Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.6	15.8
100	11.1	8.2	12.4

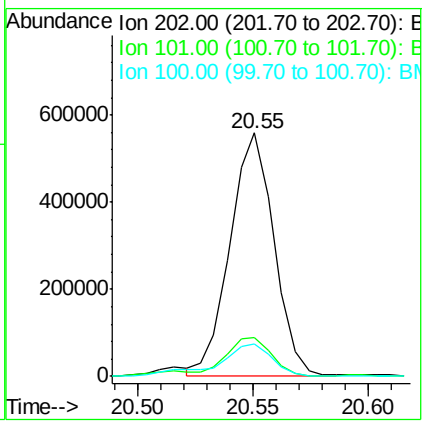




#19
Pyrene
Concen: 10.12 ng/ul
RT: 20.55 min Scan# 2969
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:202 Resp: 740048

Ion	Ratio	Lower	Upper
202	100		
101	15.9	13.0	19.6
100	13.4	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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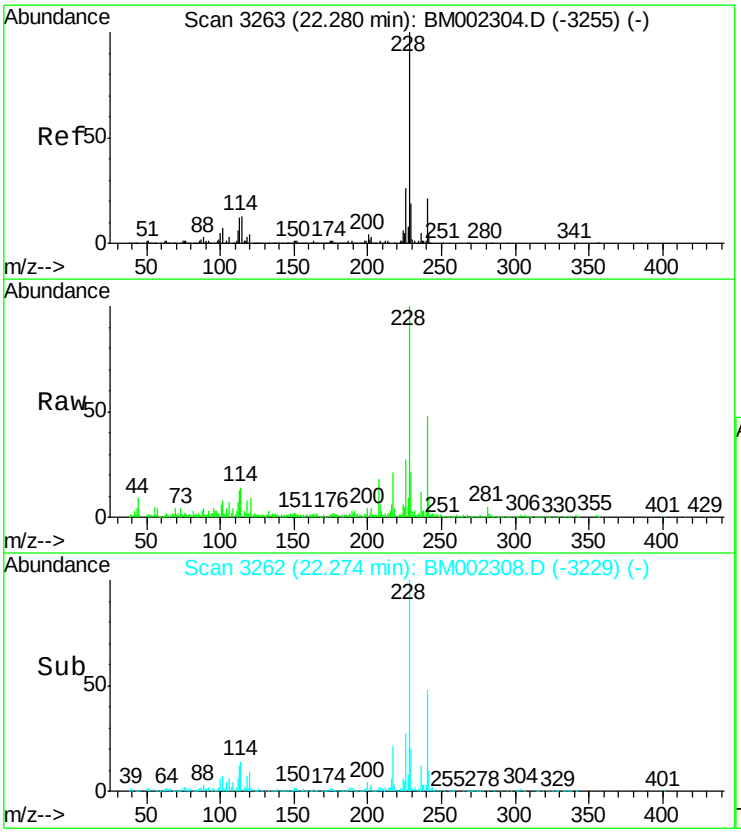
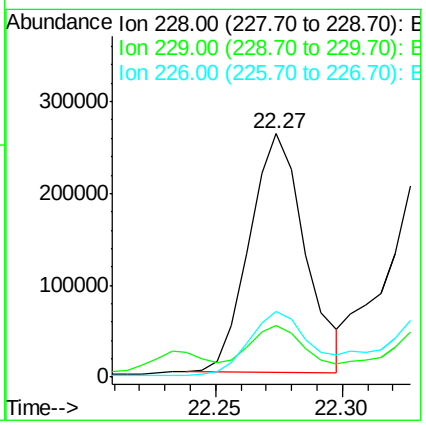
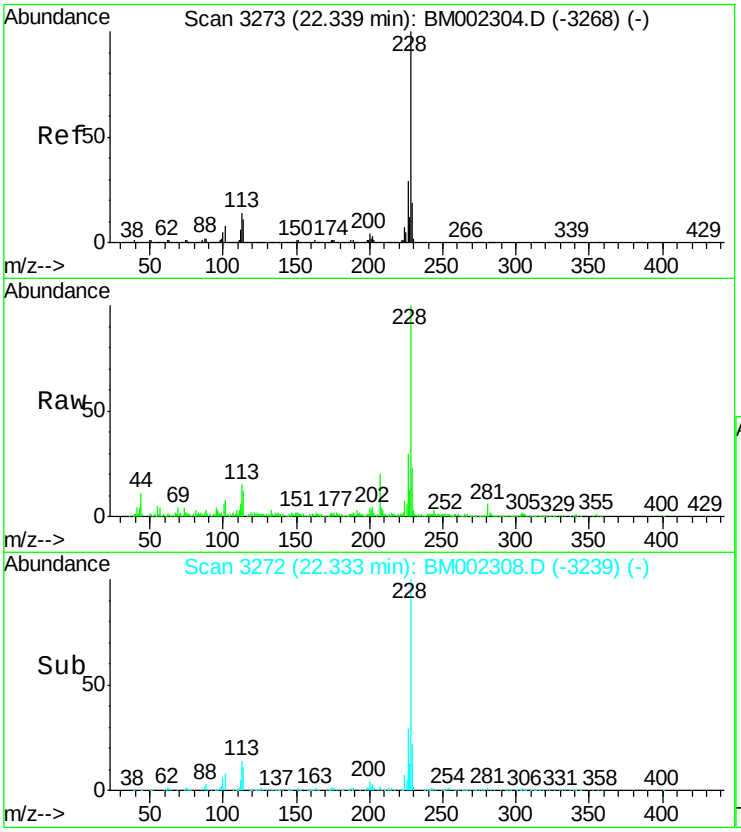


#20
Benzo(a)anthracene
Concen: 5.77 ng/ul
RT: 22.27 min Scan# 3262
Delta R.T. -0.01 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:228 Resp: 398549

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	27.1	21.4	32.0

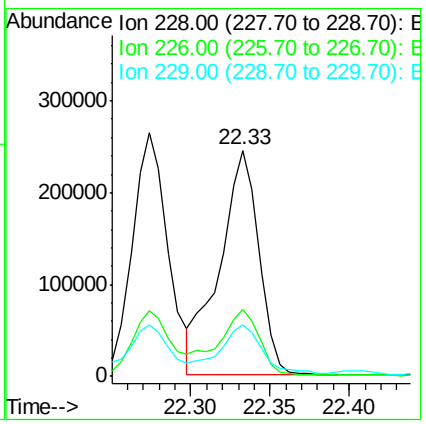




#21
Chrysene
Concen: 6.39 ng/ul
RT: 22.33 min Scan# 3272
Delta R.T. -0.01 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:228 Resp: 418049

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.0
229	23.0	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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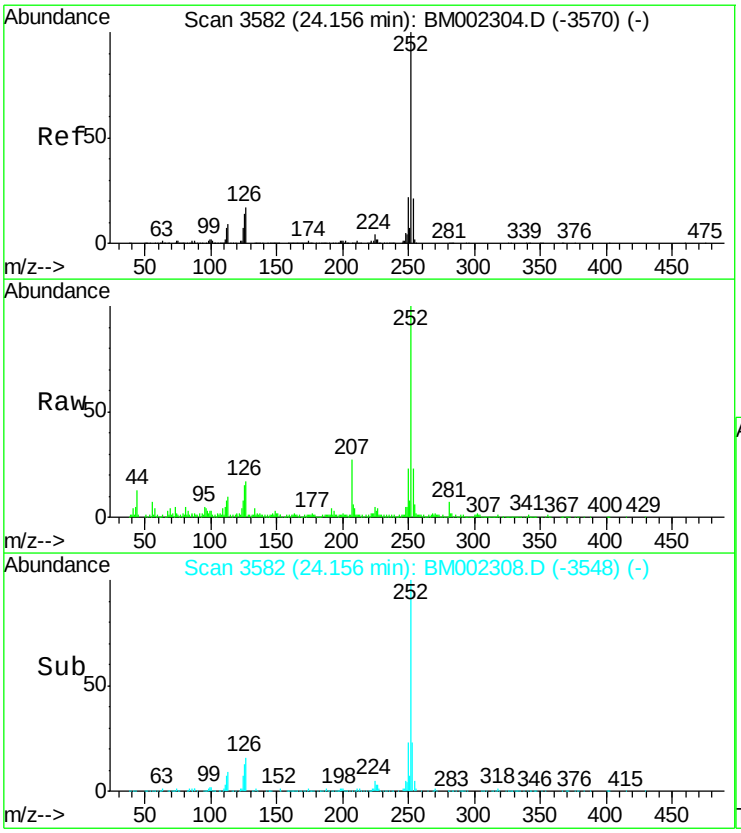
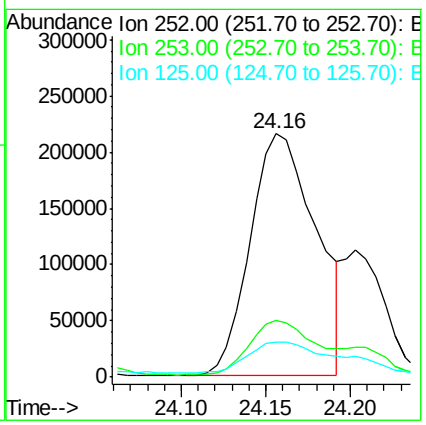
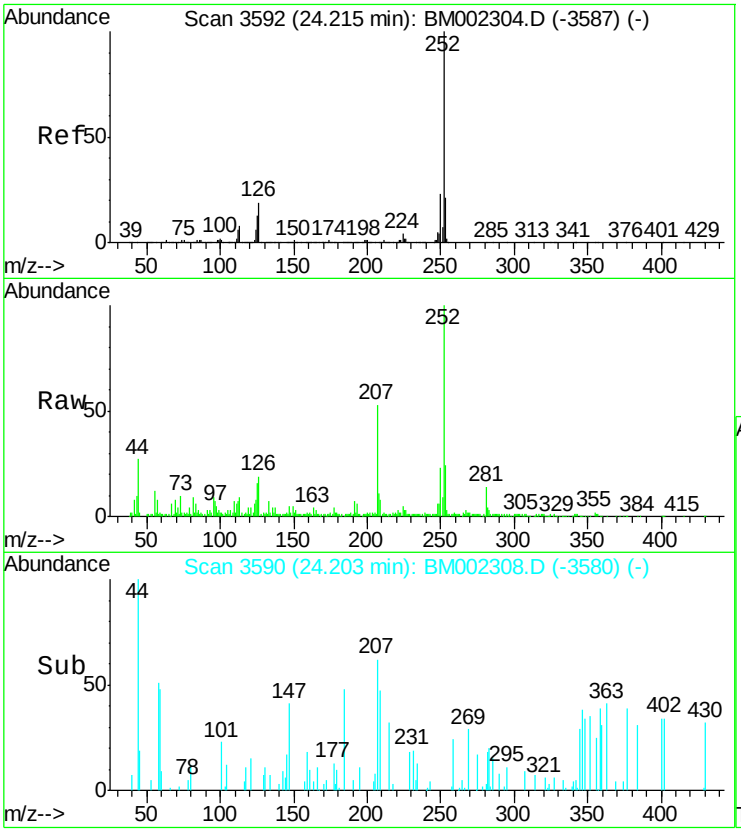


#23
Benzo(b)fluoranthene
Concen: 9.53 ng/ul
RT: 24.16 min Scan# 3582
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:252 Resp: 582598

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	14.6	10.3	15.5

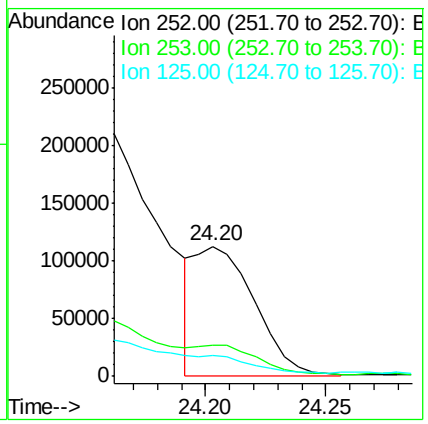




#24
Benzo(k)fluoranthene
Concen: 3.28 ng/ul m
RT: 24.20 min Scan# 3590
Delta R.T. -0.01 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:252 Resp: 192467

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	16.0	10.2	15.4#



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
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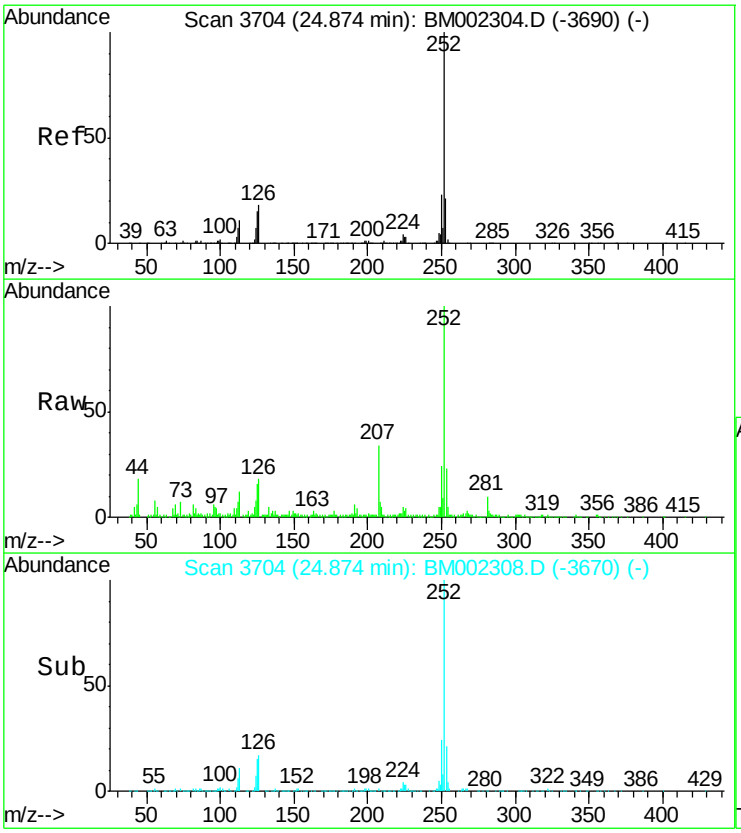
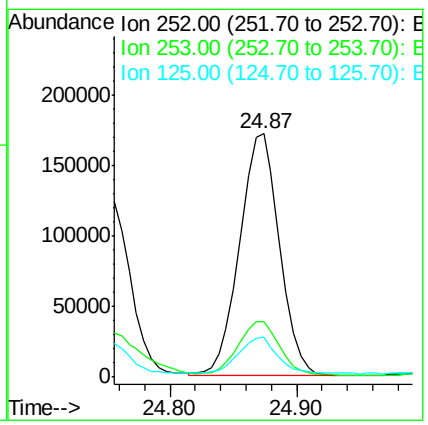
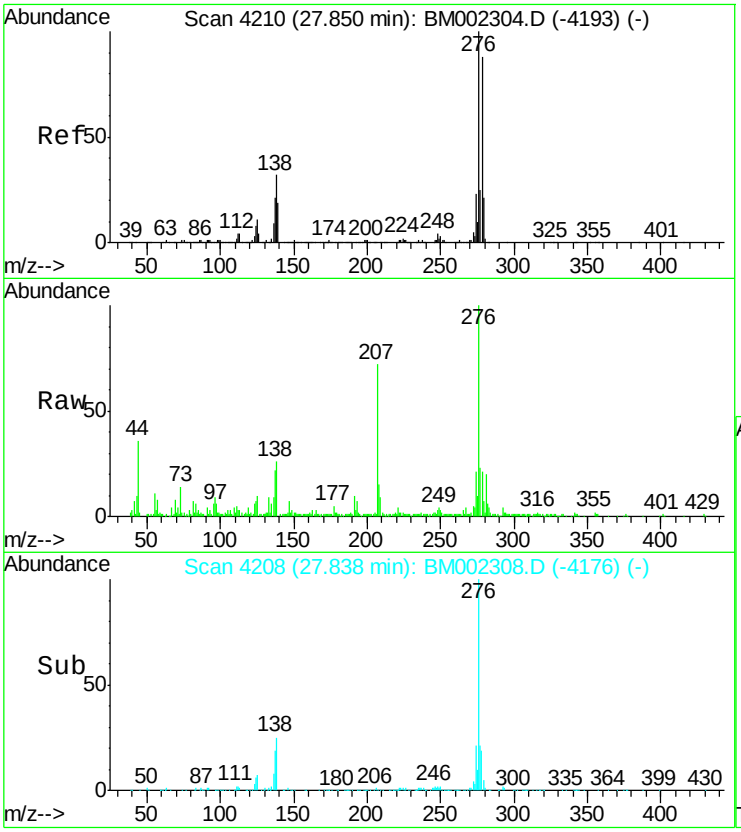


#26
Benzo(a)pyrene
Concen: 6.39 ng/ul
RT: 24.87 min Scan# 3704
Delta R.T. -0.00 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:252 Resp: 373847

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	16.2	11.0	16.6

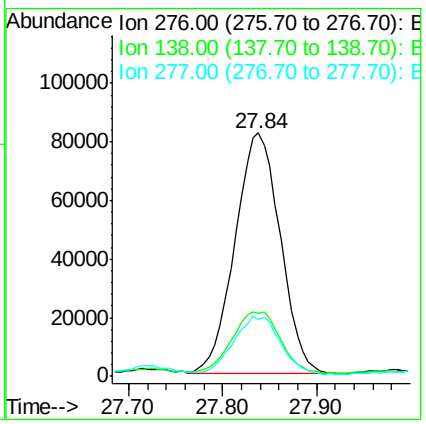




#27
Indeno(1,2,3-cd)pyrene
Concen: 4.07 ng/ul
RT: 27.84 min Scan# 4208
Delta R.T. -0.01 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

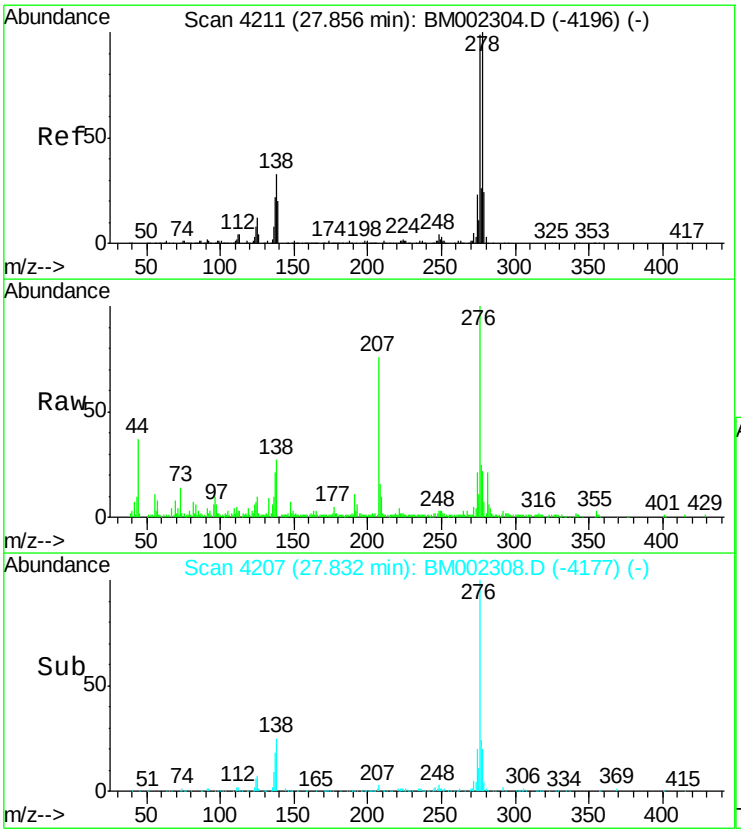
Tgt Ion:276 Resp: 272943

Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.6	38.4
277	23.2	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
D9C58

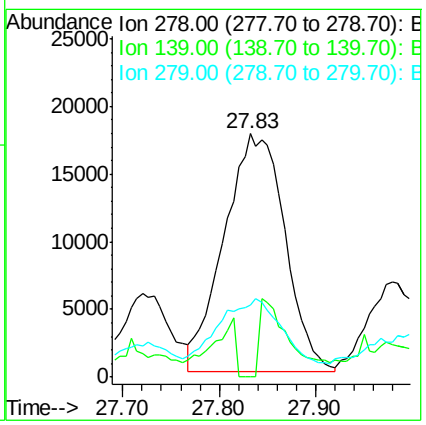
Manual Integrations APPROVED
MMDadoda
8/10/2015 7:29:02 PM

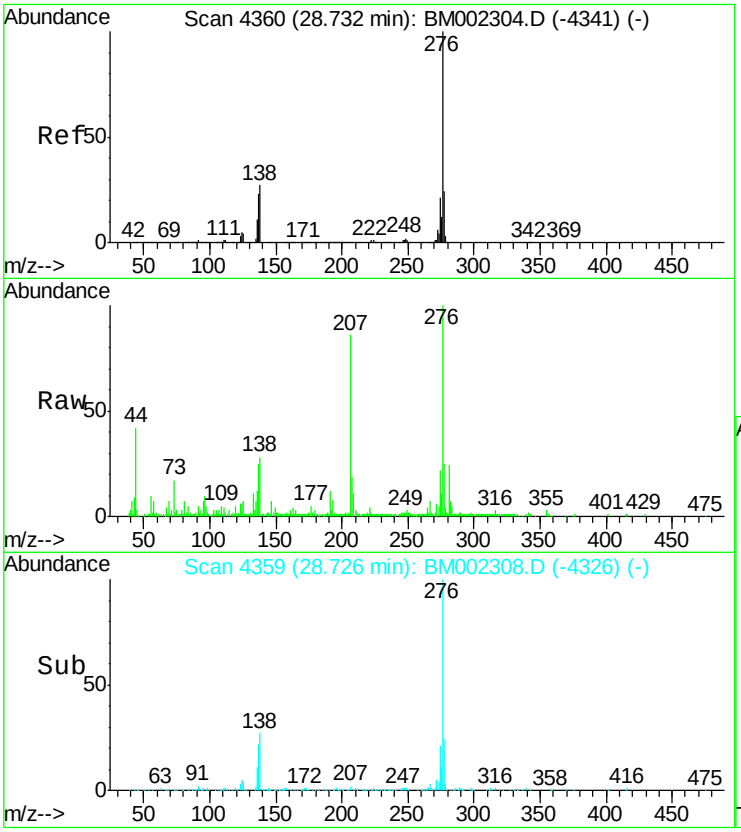


#28
Dibenzo(a,h)anthracene
Concen: 1.36 ng/ul m
RT: 27.83 min Scan# 4207
Delta R.T. -0.02 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:278 Resp: 77356

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	29.7	18.8	28.2#

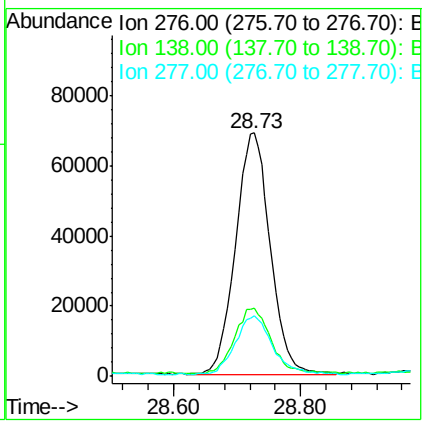




#29
Benzo(g,h,i)perylene
Concen: 4.60 ng/ul
RT: 28.73 min Scan# 4359
Delta R.T. -0.01 min
Lab File: BM002308.D
Acq: 09 Aug 2015 10:54

Tgt Ion:276 Resp: 260317

Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.5	30.7
277	24.8	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
D9C58

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:29:02 PM