Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002452.D
Acq On : 17 Aug 2015 15:33
Operator : UM/IZ
Sample : G3227-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:32 PM

Quant Time: Aug 18 02:27:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	149887	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	674154	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	352706	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	696596	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	482550	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	438196	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	529354	14.68	ng/ul	0.00
10) Fluorene-d10	16.42	176	348592	13.76	ng/ul	0.00
14) Anthracene-d10	18.26	188	470217	13.99	ng/ul	0.00
18) Pyrene-d10	20.47	212	401342	18.76	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	273933	11.90	ng/ul	0.00
Target Compounds						Qvalue
13) Phenanthrene	18.20	178	127978	3.18	ng/ul	99
15) Anthracene	18.29	178	49784	1.22	ng/ul	99
16) Fluoranthene	20.14	202	492036	10.80	ng/ul	97
19) Pyrene	20.50	202	463014	16.38	ng/ul	100
20) Benzo(a)anthracene	22.22	228	385554	13.36	ng/ul	98
21) Chrysene	22.28	228	383388	14.20	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	575550	21.73	ng/ul	98
24) Benzo(k)fluoranthene	24.13	252	190730m	7.60	ng/ul	
26) Benzo(a)pyrene	24.79	252	364823	14.42	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.74	276	255741	8.79	ng/ul#	93
28) Dibenzo(a,h)anthracene	27.73	278	77357	3.18	ng/ul#	74
29) Benzo(g,h,i)perylene	28.63	276	203059	8.38	ng/ul	98

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

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Instrument :
BNA_M
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Manual Integrations APPROVED
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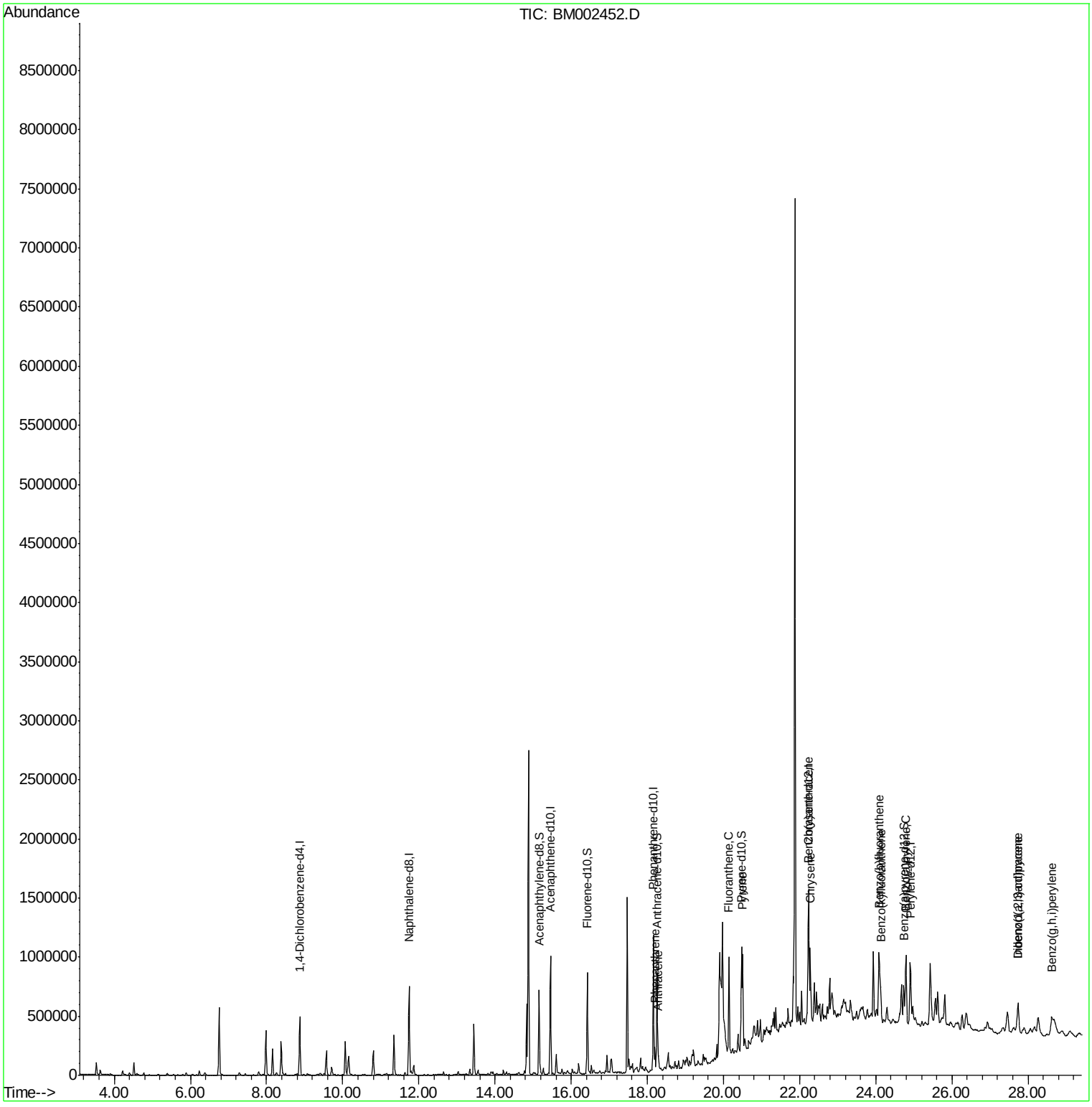
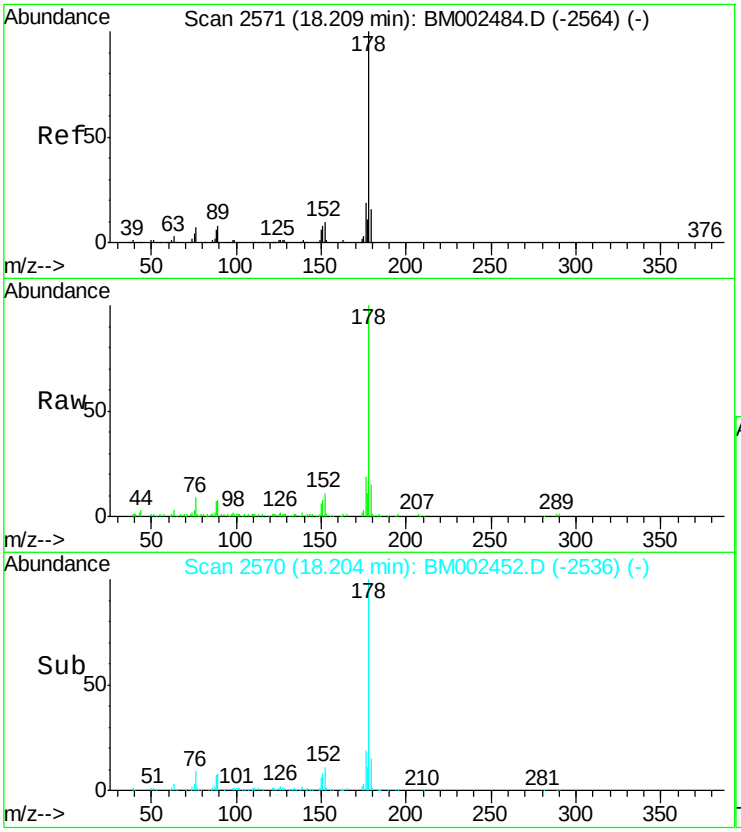
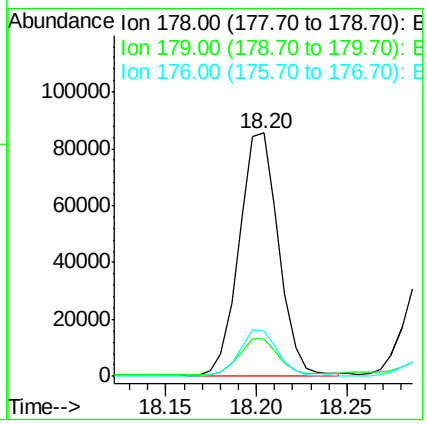




#13
Phenanthrene
Concen: 3.18 ng/ul
RT: 18.20 min Scan# 2570
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:178 Resp: 127978

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.7	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
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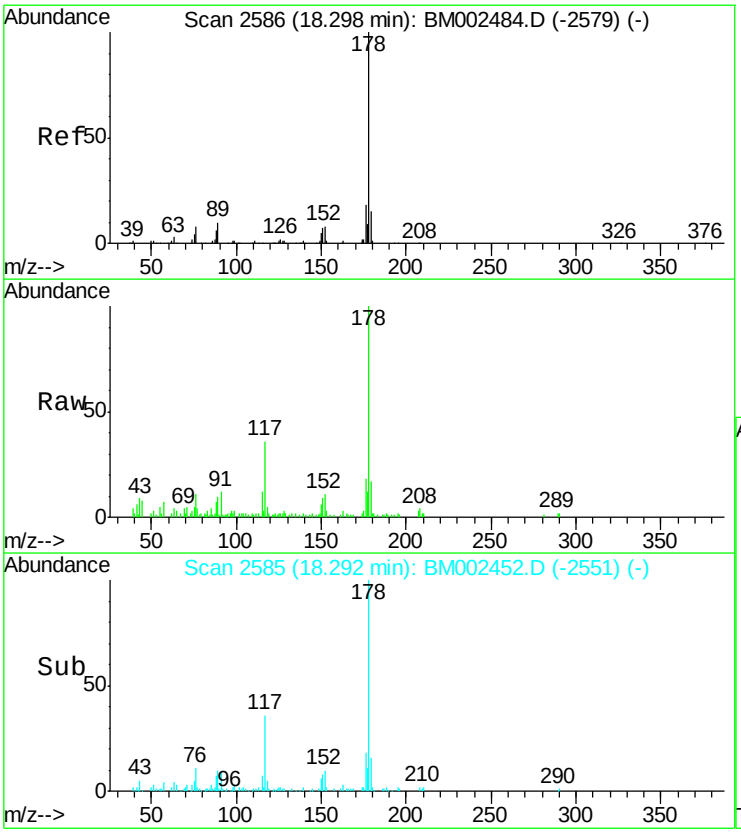
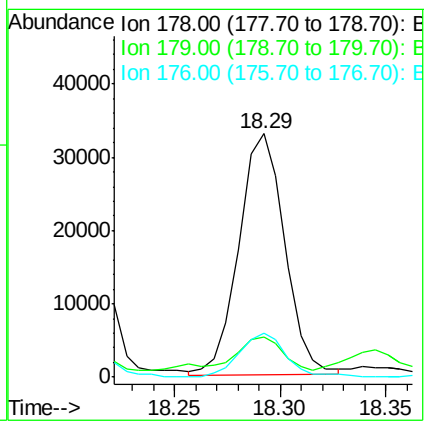
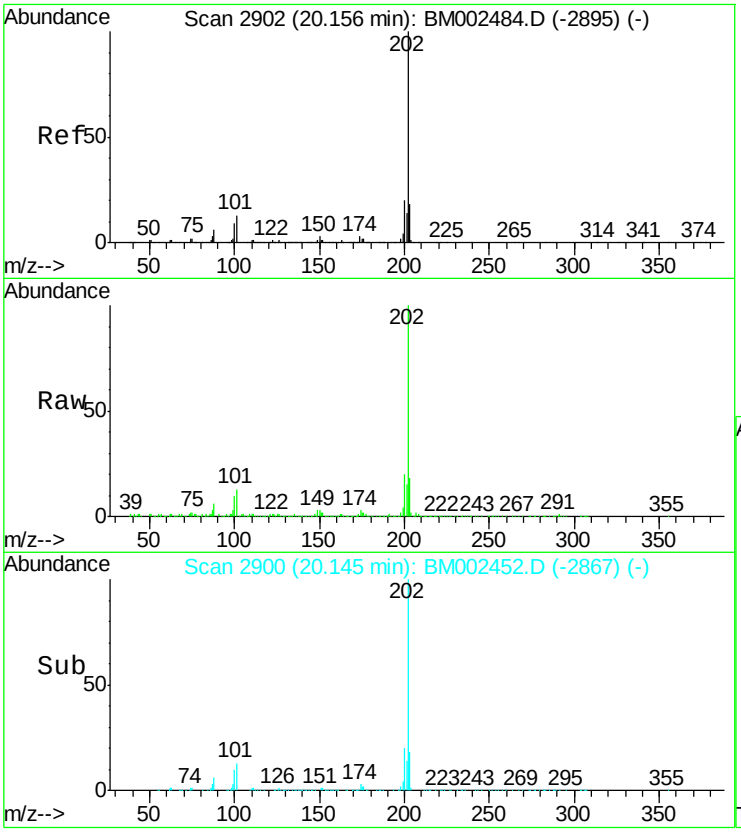


#15
Anthracene
Concen: 1.22 ng/ul
RT: 18.29 min Scan# 2585
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:178 Resp: 49784

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.6	18.8
176	18.1	14.5	21.7

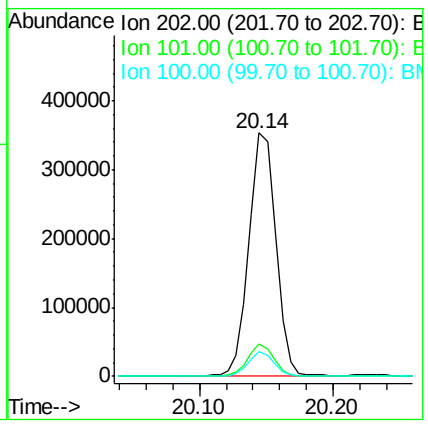




#16
Fluoranthene
Concen: 10.80 ng/ul
RT: 20.14 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:202 Resp: 492036

Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.2	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
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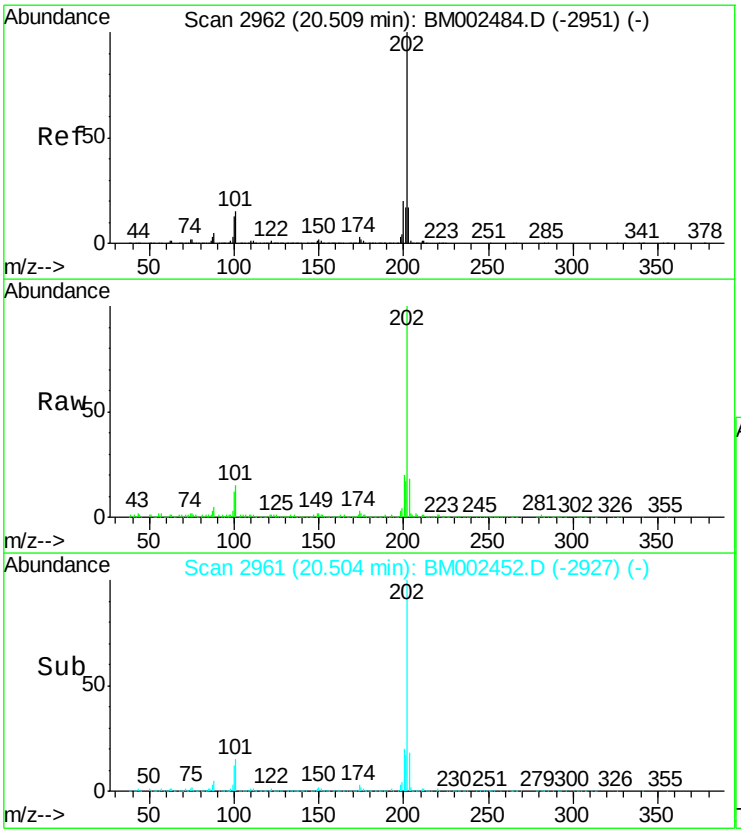
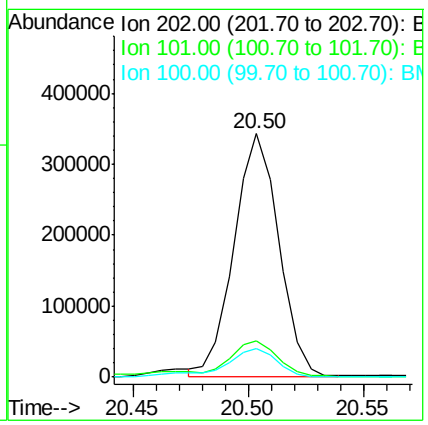
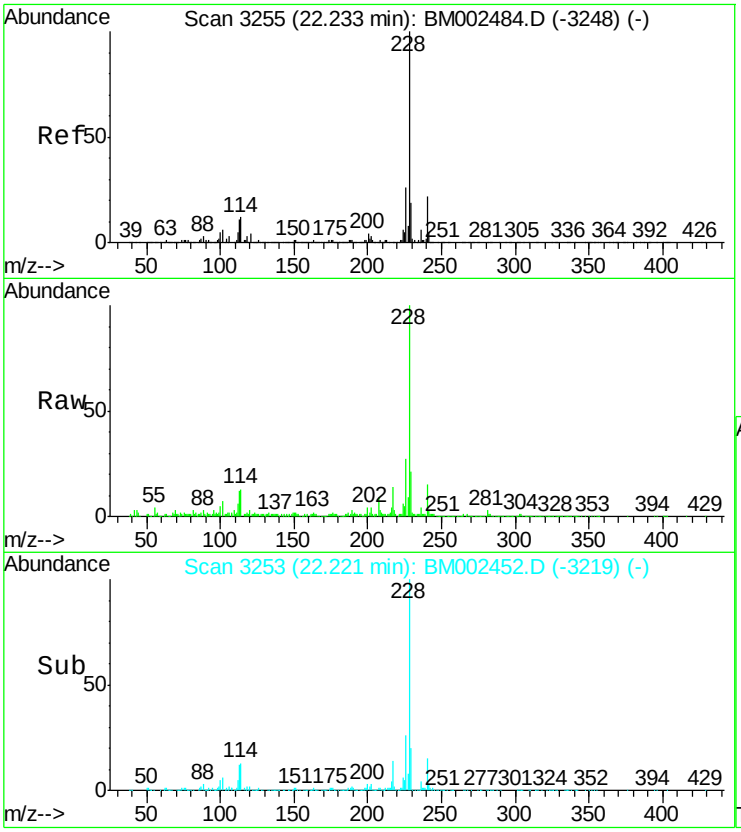


#19
Pyrene
Concen: 16.38 ng/ul
RT: 20.50 min Scan# 2961
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:202 Resp: 463014

Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.0	18.0
100	12.0	9.7	14.5

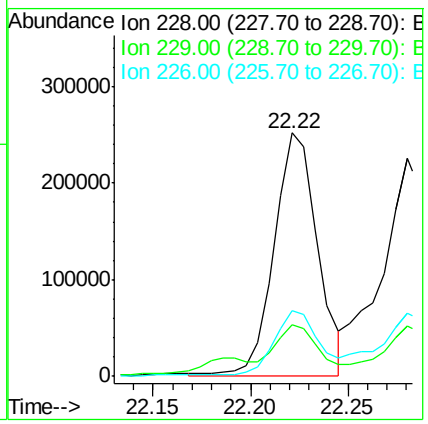




#20
Benzo(a)anthracene
Concen: 13.36 ng/ul
RT: 22.22 min Scan# 3253
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:228 Resp: 385554

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.6
226	26.9	21.1	31.7



Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
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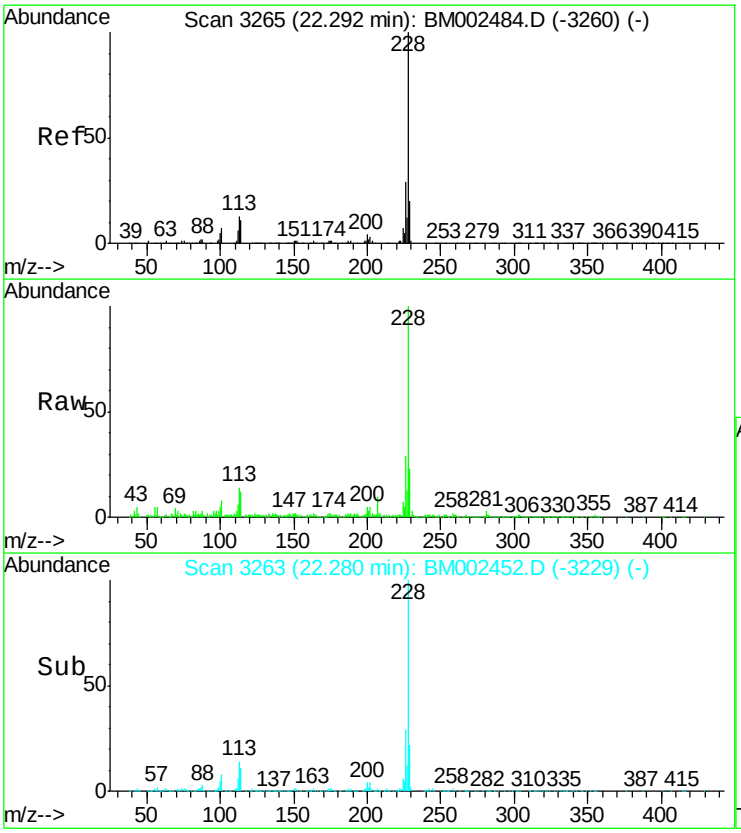
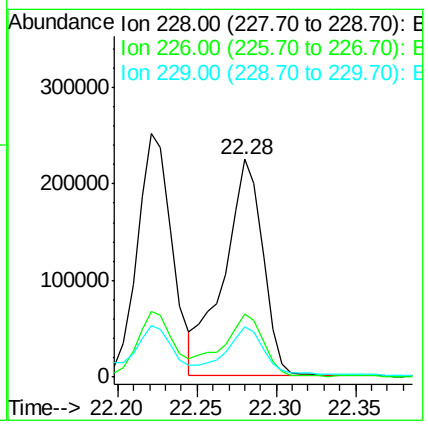
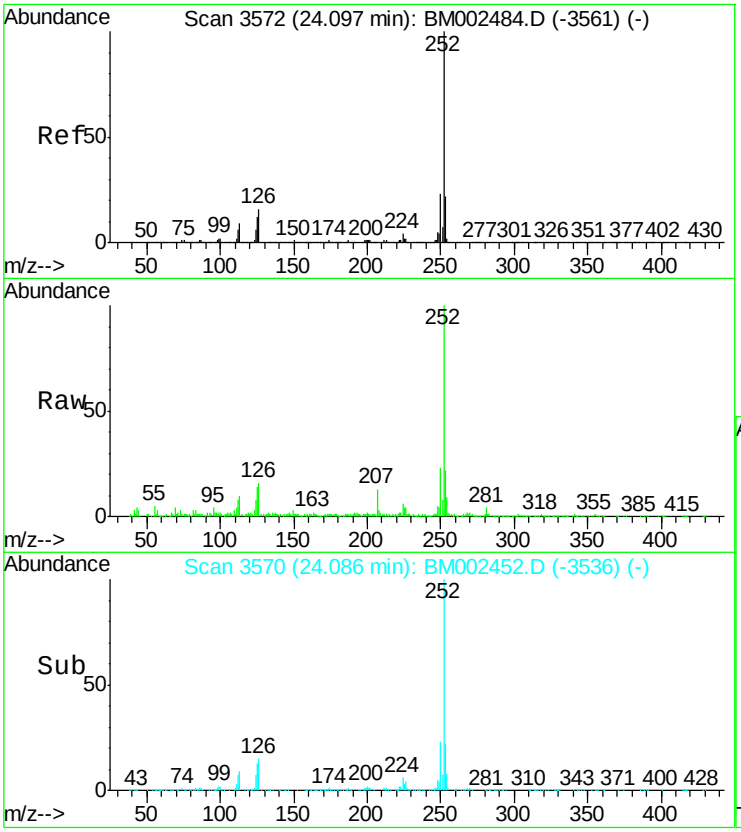


#21
Chrysene
Concen: 14.20 ng/ul
RT: 22.28 min Scan# 3263
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:228 Resp: 383388

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	23.1	15.7	23.5

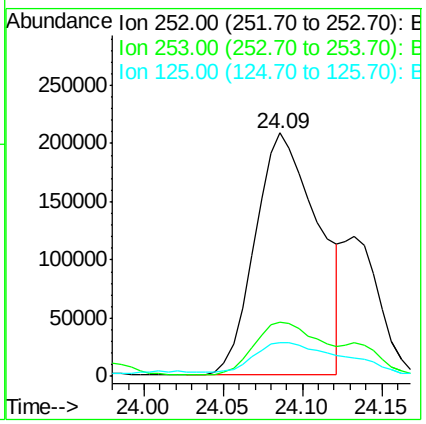




#23
Benzo(b)fluoranthene
Concen: 21.73 ng/ul
RT: 24.09 min Scan# 3570
Delta R.T. 0.00 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:252 Resp: 575550

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	13.8	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
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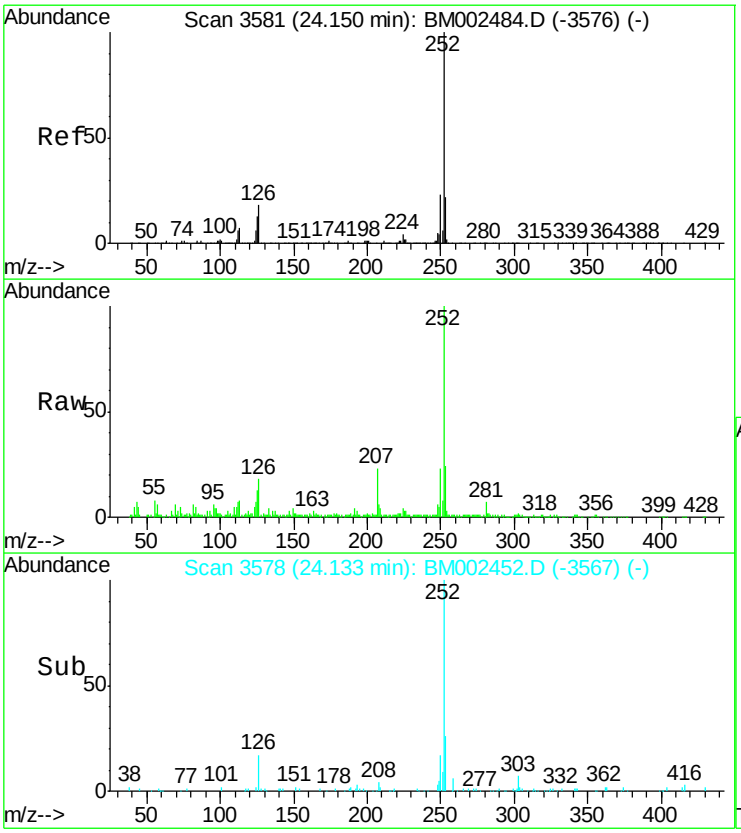
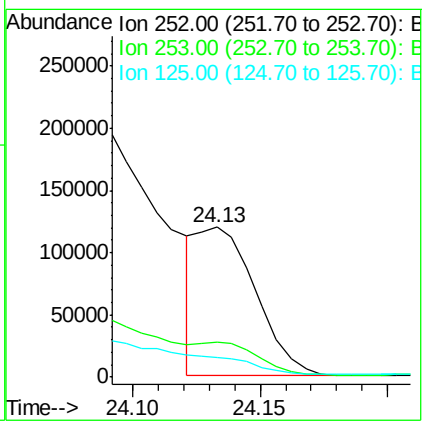
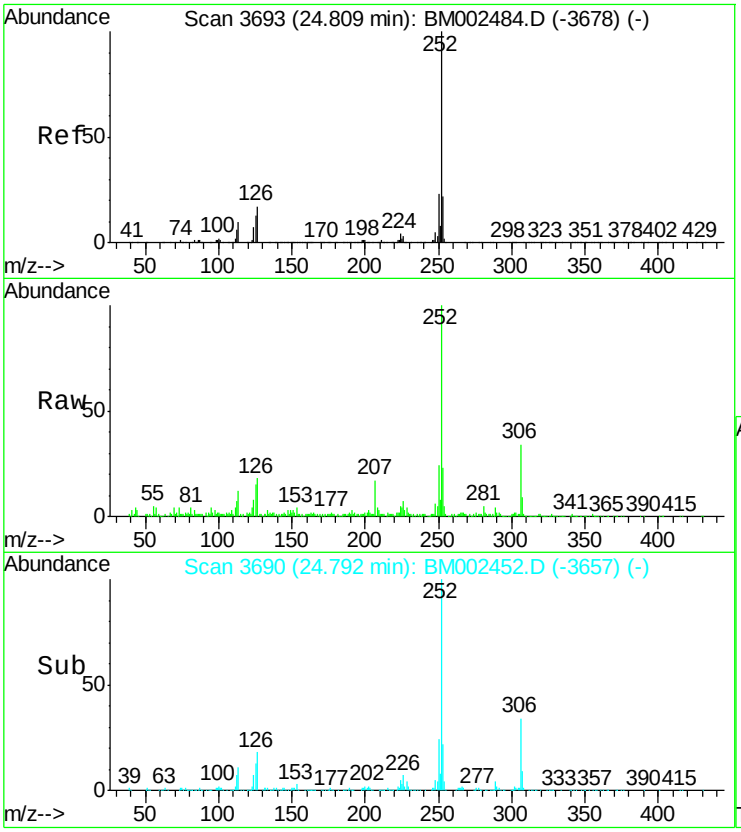


#24
Benzo(k)fluoranthene
Concen: 7.60 ng/ul m
RT: 24.13 min Scan# 3578
Delta R.T. -0.01 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:252 Resp: 190730

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	13.2	9.8	14.8

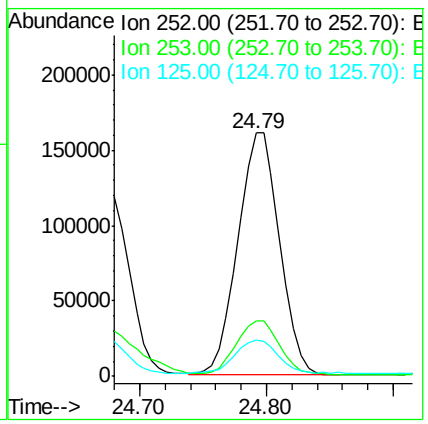




#26
Benzo(a)pyrene
Concen: 14.42 ng/ul
RT: 24.79 min Scan# 3690
Delta R.T. -0.01 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:252 Resp: 364823

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	14.8	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
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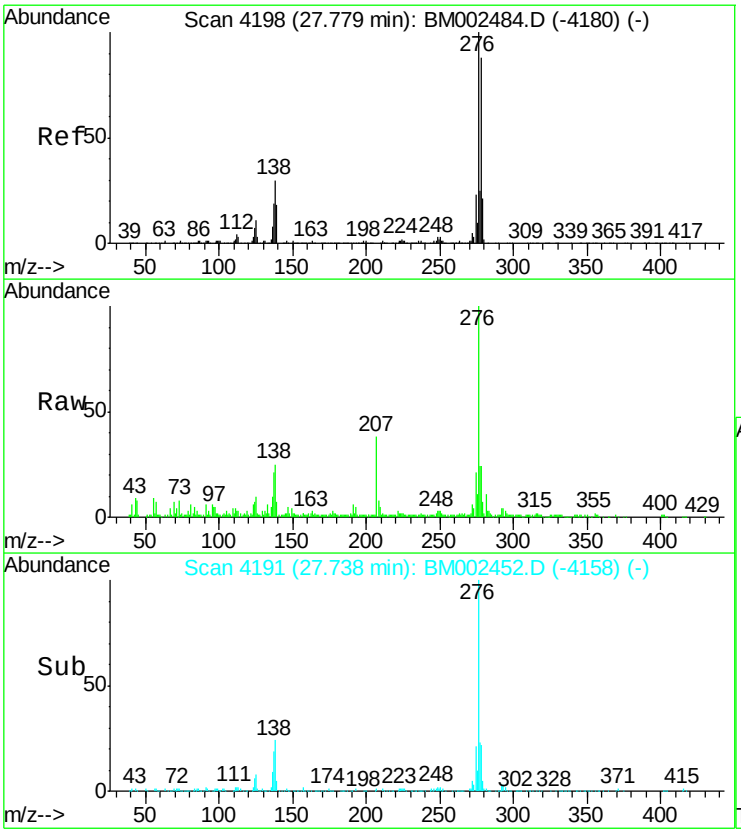
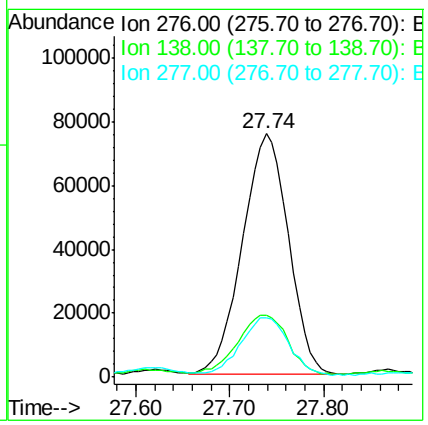
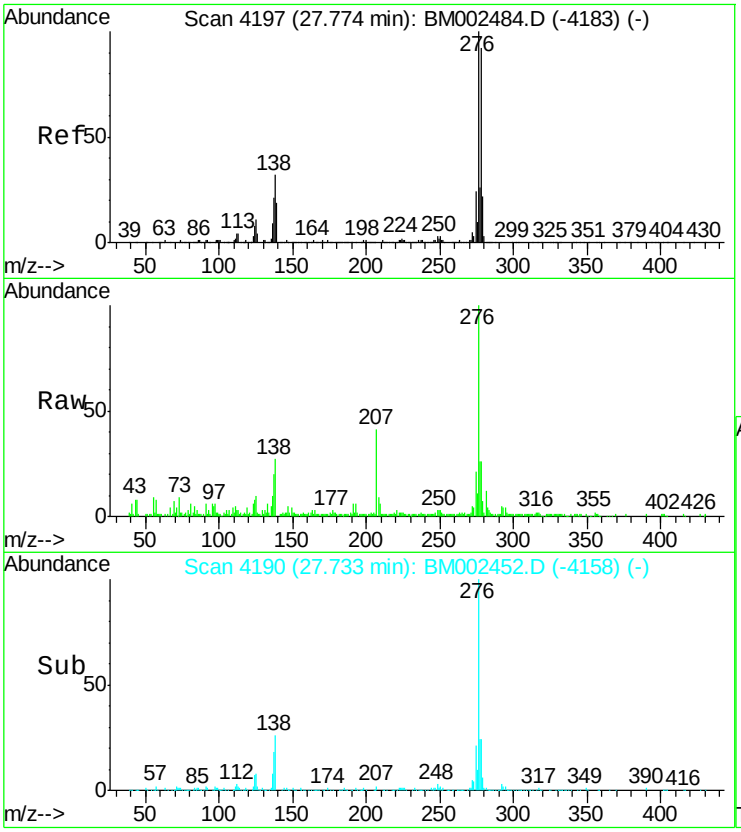


#27
Indeno(1,2,3-cd)pyrene
Concen: 8.79 ng/ul
RT: 27.74 min Scan# 4191
Delta R.T. -0.01 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:276 Resp: 255741

Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.3	37.9#
277	24.4	20.2	30.2





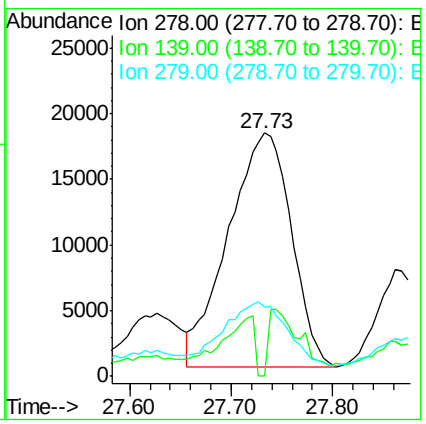
#28
Dibenzo(a,h)anthracene
Concen: 3.18 ng/ul
RT: 27.73 min Scan# 4190
Delta R.T. -0.01 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

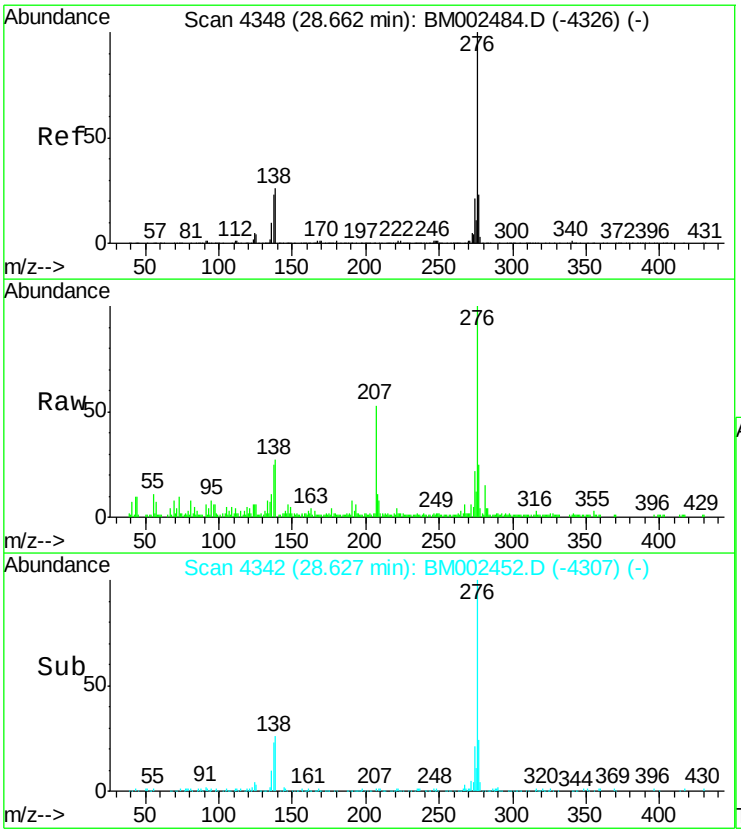
Tgt Ion:278 Resp: 77357

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	28.4	18.8	28.2#

Instrument :
BNA_M
ClientSampleId :
D9DC4

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:32 PM





#29
Benzo(g,h,i)perylene
Concen: 8.38 ng/ul
RT: 28.63 min Scan# 4342
Delta R.T. 0.01 min
Lab File: BM002452.D
Acq: 17 Aug 2015 15:33

Tgt Ion:276 Resp: 203059

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.0	31.6
277	24.6	19.2	28.8