Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002575.D
Acq On : 29 Aug 2015 21:32
Operator : UM/IZ
Sample : G3455-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9E79

Manual Integrations APPROVED
MMDadoda
8/31/2015 1:51:33 PM

Quant Time: Aug 31 01:33:19 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:07:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	155156	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	616905	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	265528	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	483024	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	488149	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	514736	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	453734	16.71	ng/ul	0.00
10) Fluorene-d10	16.34	176	282789	14.83	ng/ul	0.00
14) Anthracene-d10	18.17	188	360281	15.46	ng/ul	0.00
18) Pyrene-d10	20.40	212	323830	14.97	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	272375	10.07	ng/ul	0.00
Target Compounds						Qvalue
13) Phenanthrene	18.12	178	97697	3.50	ng/ul	99
16) Fluoranthene	20.07	202	234737	7.43	ng/ul	97
19) Pyrene	20.43	202	202559	7.08	ng/ul	99
20) Benzo(a)anthracene	22.14	228	133879	4.59	ng/ul	98
21) Chrysene	22.20	228	133263m	4.88	ng/ul	
23) Benzo(b)fluoranthene	23.97	252	188126	6.05	ng/ul#	94
24) Benzo(k)fluoranthene	24.02	252	61463m	2.08	ng/ul	
26) Benzo(a)pyrene	24.67	252	123124	4.14	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.54	276	92747	2.71	ng/ul	95
29) Benzo(g,h,i)perylene	28.40	276	83282	2.93	ng/ul	93

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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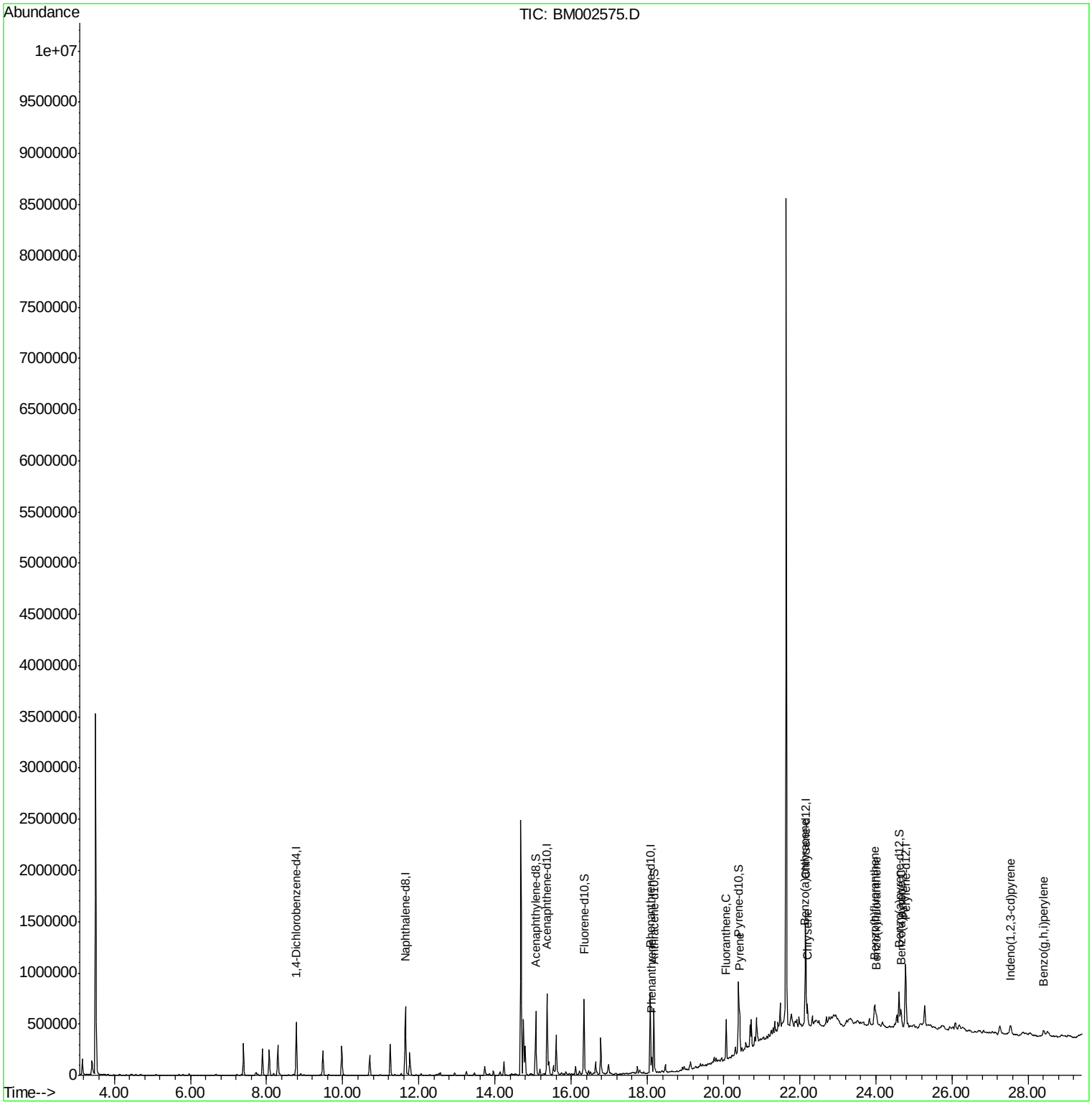
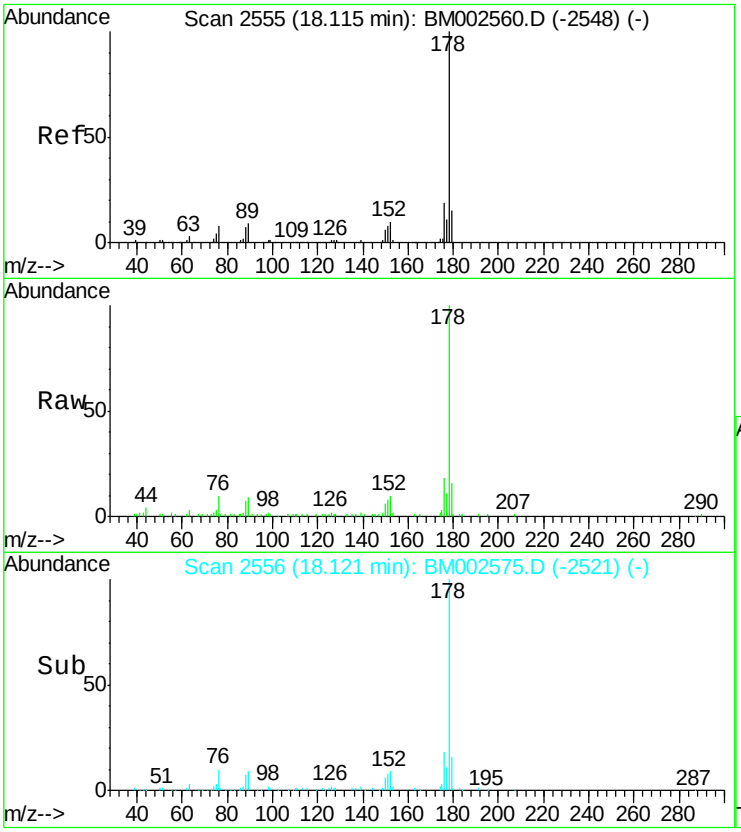
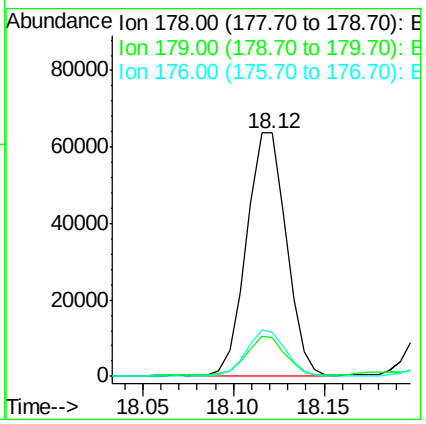




#13
Phenanthrene
Concen: 3.50 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. 0.01 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:178 Resp: 97697

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.0	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9E79

Manual Integrations APPROVED
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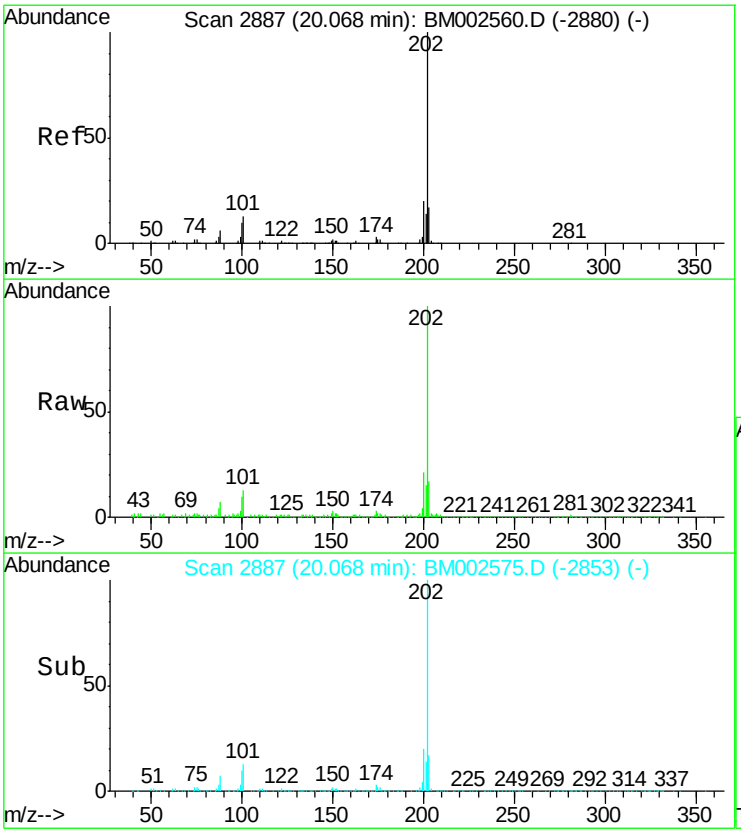
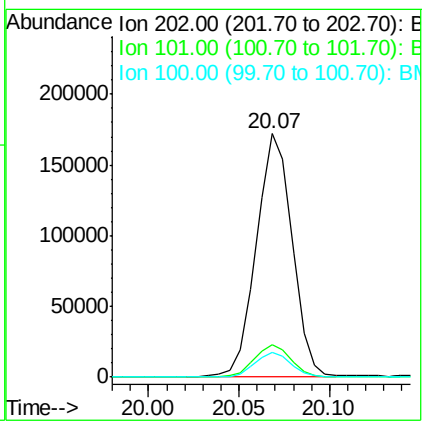
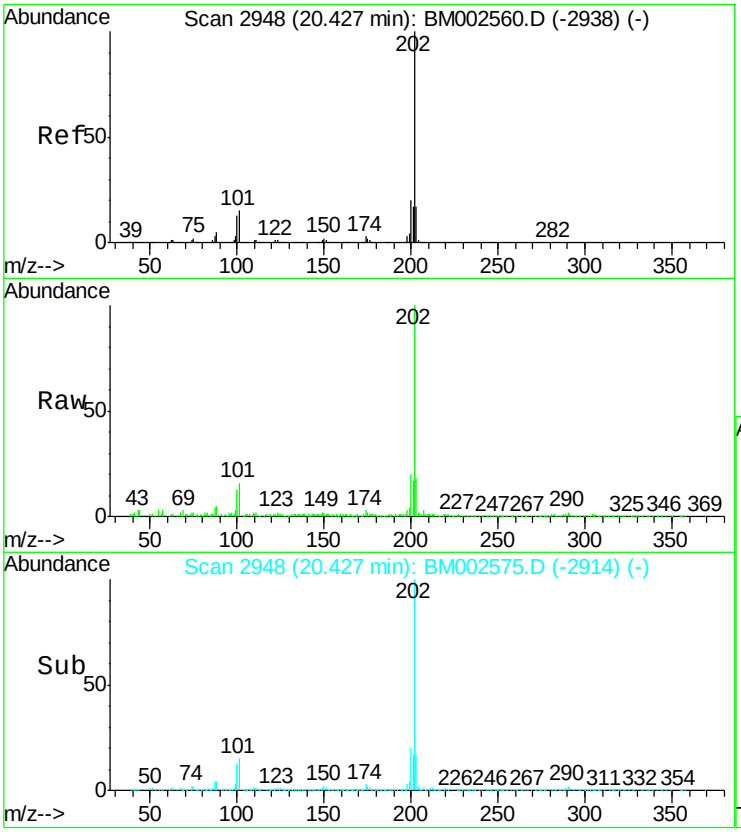


#16
Fluoranthene
Concen: 7.43 ng/ul
RT: 20.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:202 Resp: 234737

Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.7	14.5
100	10.4	7.4	11.2

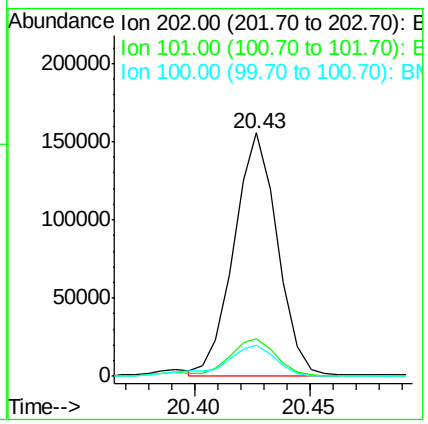




#19
Pyrene
Concen: 7.08 ng/ul
RT: 20.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:202 Resp: 202559

Ion	Ratio	Lower	Upper
202	100		
101	15.5	12.0	18.0
100	12.7	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
D9E79

Manual Integrations APPROVED
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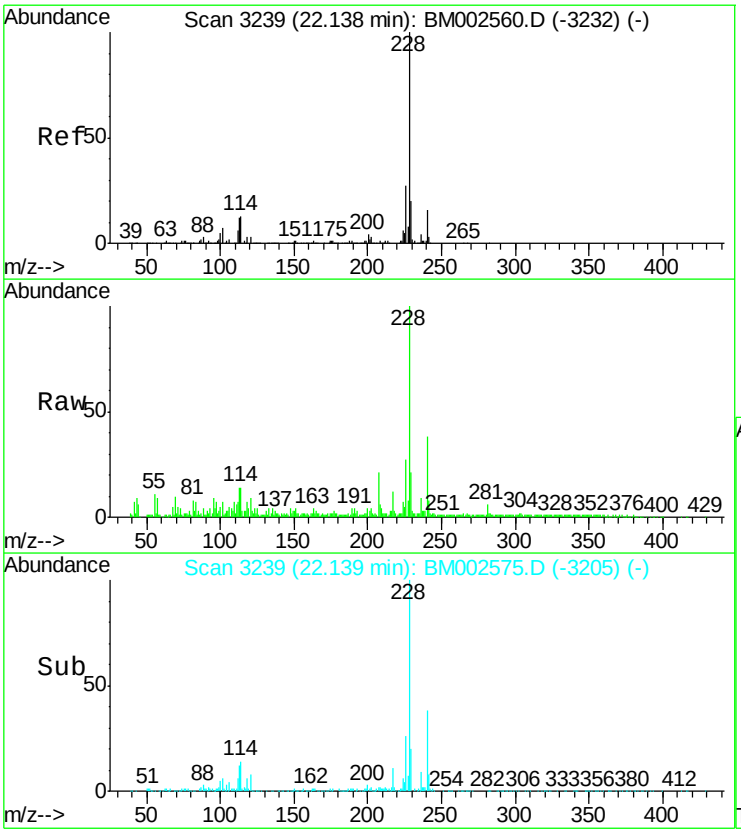
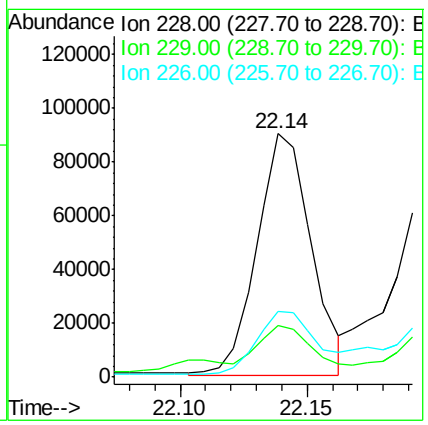
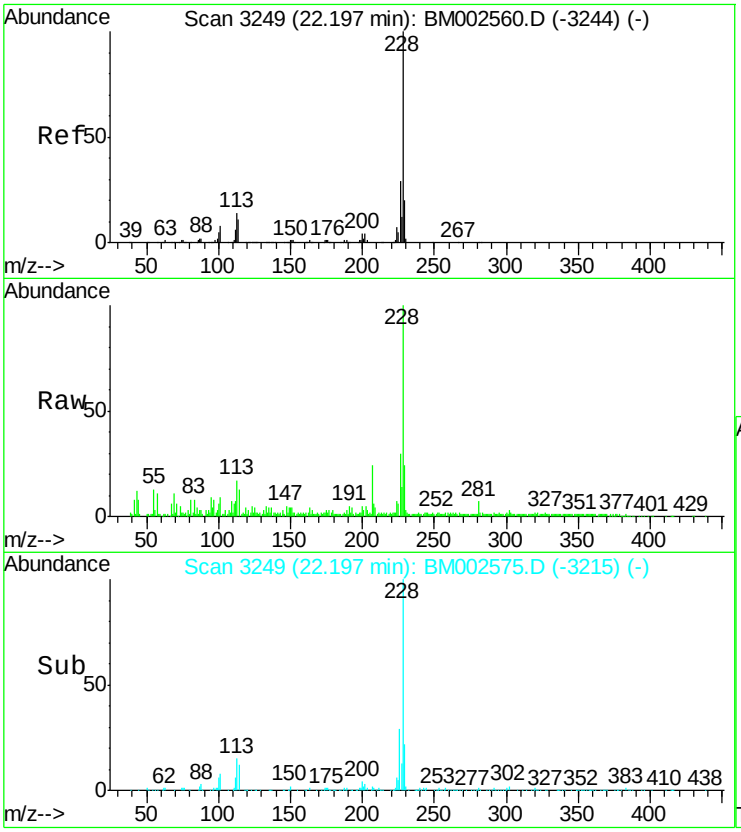


#20
Benzo(a)anthracene
Concen: 4.59 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:228 Resp: 133879

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.6
226	26.9	21.1	31.7





#21
Chrysene
Concen: 4.88 ng/ul m
RT: 22.20 min Scan# 3249
Delta R.T. 0.00 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:228 Resp: 133263

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	23.9	15.7	23.5#

Instrument :
BNA_M
ClientSampleId :
D9E79

Manual Integrations APPROVED
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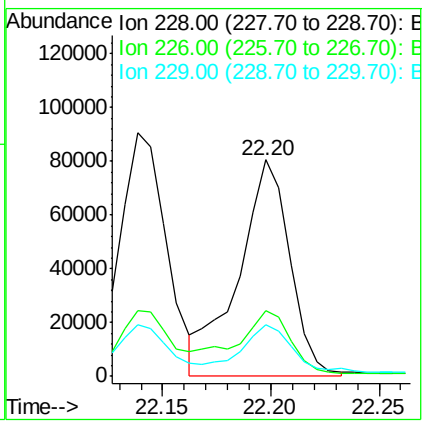
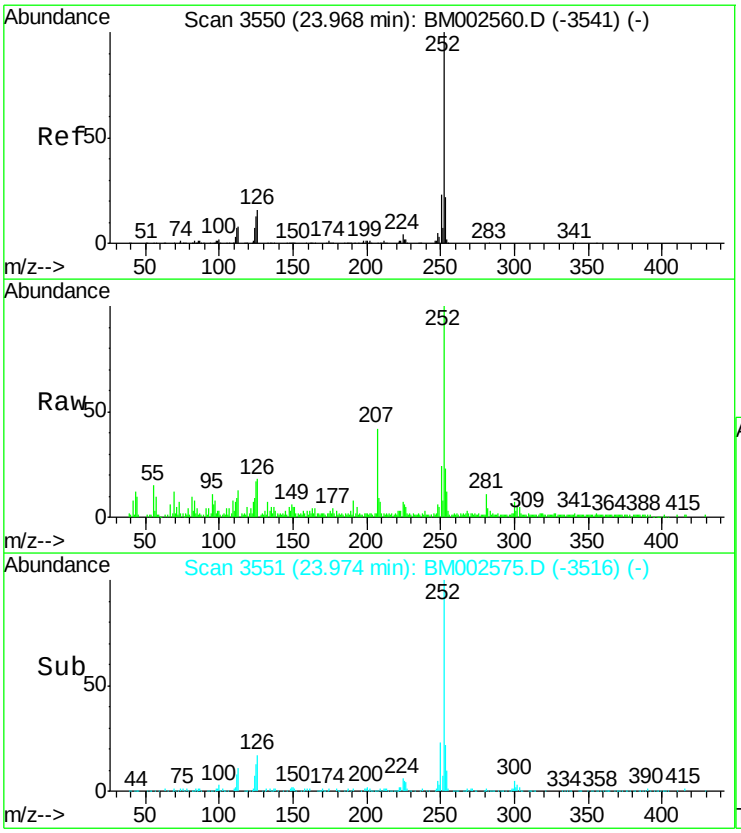
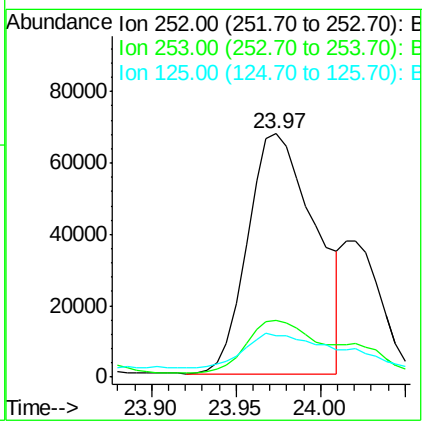


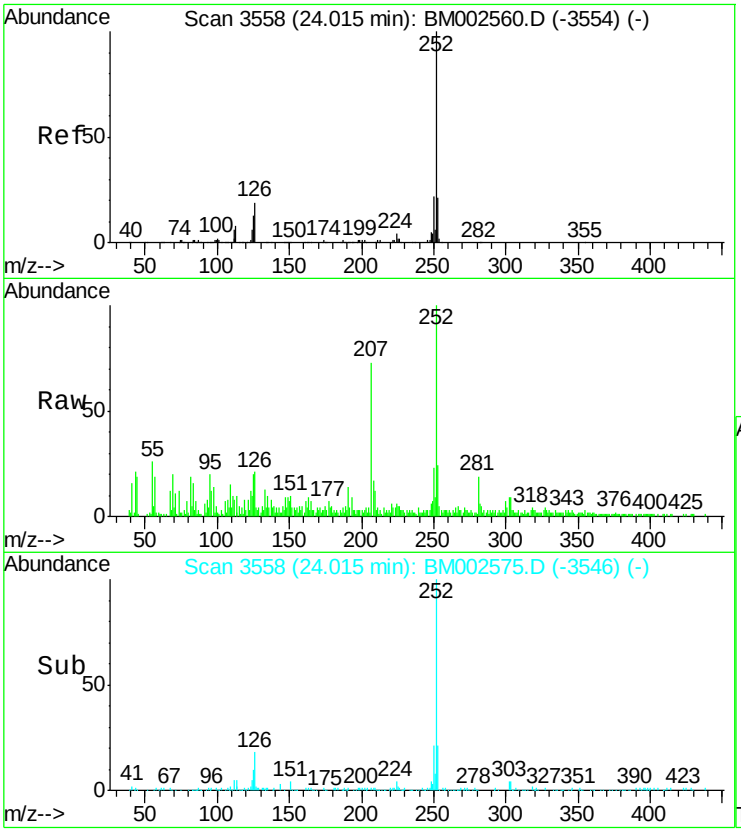


#23
Benzo(b)fluoranthene
Concen: 6.05 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. 0.01 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:252 Resp: 188126

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	16.9	10.0	15.0#

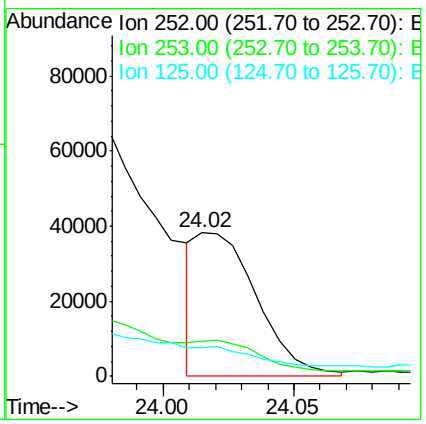




#24
Benzo(k)fluoranthene
Concen: 2.08 ng/ul m
RT: 24.02 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:252 Resp: 61463

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	19.6	9.8	14.8#



Instrument :
BNA_M
ClientSampleId :
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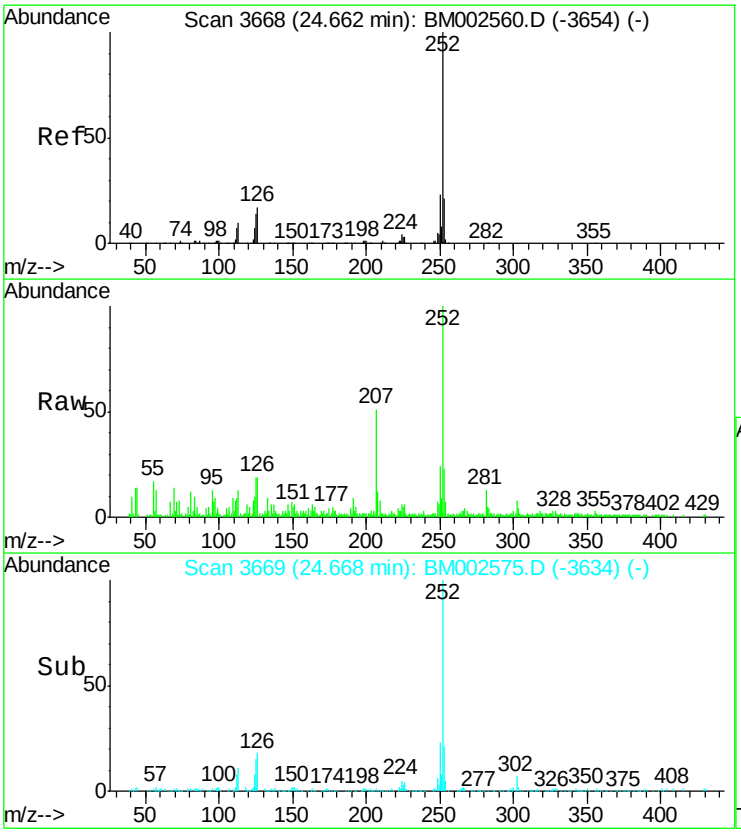
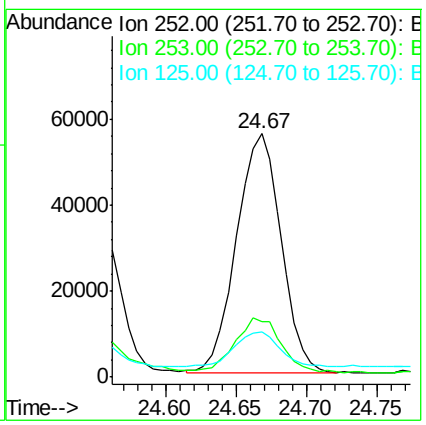
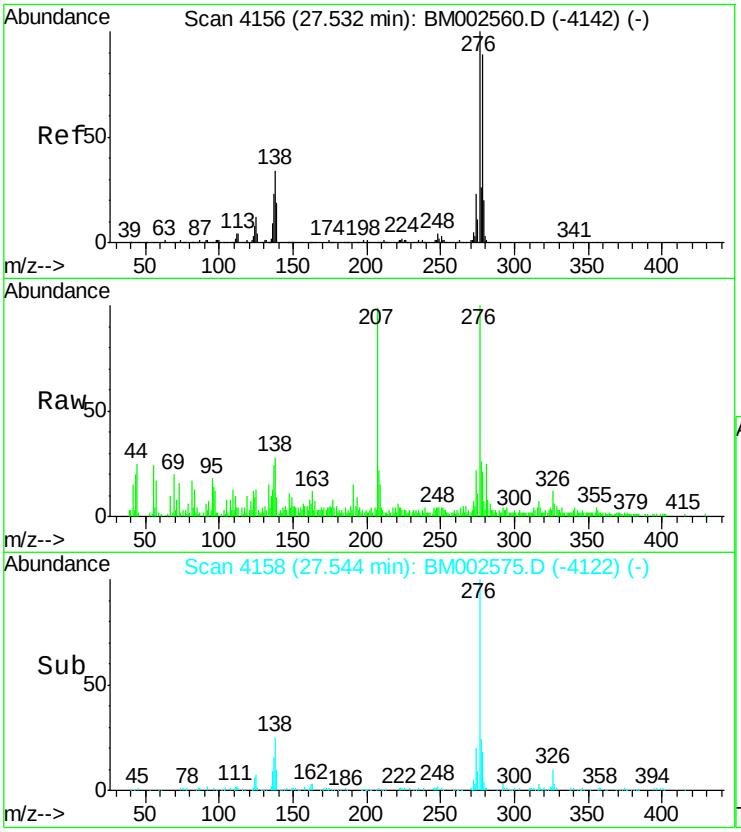


#26
Benzo(a)pyrene
Concen: 4.14 ng/ul
RT: 24.67 min Scan# 3669
Delta R.T. 0.01 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:252 Resp: 123124

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	18.8	10.7	16.1#

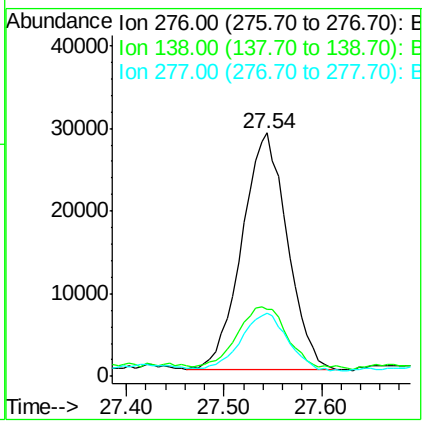




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.71 ng/ul
RT: 27.54 min Scan# 4158
Delta R.T. 0.01 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:276 Resp: 92747

Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.3	37.9
277	25.9	20.2	30.2



Instrument :
BNA_M
ClientSampleId :
D9E79

Manual Integrations APPROVED
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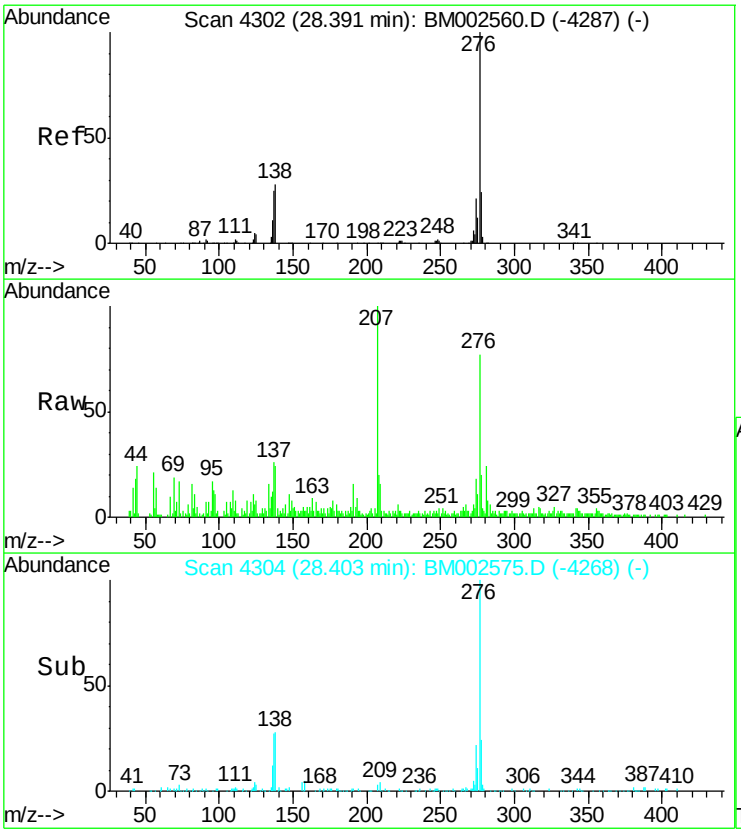

#29
Benzo(g,h,i)perylene
Concen: 2.93 ng/ul
RT: 28.40 min Scan# 4304
Delta R.T. 0.01 min
Lab File: BM002575.D
Acq: 29 Aug 2015 21:32

Tgt Ion:276 Resp: 83282

Ion	Ratio	Lower	Upper
276	100		
138	31.2	21.0	31.6
277	26.4	19.2	28.8