Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002457.D
Acq On : 17 Aug 2015 18:40
Operator : UM/IZ
Sample : G3227-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9DC7

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:15:57 PM

Quant Time: Aug 18 02:41:14 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	8.87	152	150302	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	706388	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	371561	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	733517	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	524744	20.00	ng/ul	0.00
22) Perylene-d12	24.92	264	474816	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	583202	15.35	ng/ul	0.00
10) Fluorene-d10	16.43	176	388619	14.56	ng/ul	0.00
14) Anthracene-d10	18.26	188	550318	15.55	ng/ul	0.00
18) Pyrene-d10	20.48	212	486117	20.90	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	378275	15.17	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	11.80	128	80170	2.22	ng/ul	100
8) Acenaphthylene	15.19	152	110232	2.77	ng/ul	99
13) Phenanthrene	18.20	178	280298	6.62	ng/ul	99
15) Anthracene	18.29	178	139596	3.25	ng/ul	99
16) Fluoranthene	20.15	202	788222	16.44	ng/ul	99
19) Pyrene	20.51	202	636639	20.71	ng/ul	98
20) Benzo(a)anthracene	22.23	228	408888	13.03	ng/ul	97
21) Chrysene	22.29	228	428752	14.61	ng/ul	96
23) Benzo(b)fluoranthene	24.09	252	644473	22.45	ng/ul	97
24) Benzo(k)fluoranthene	24.14	252	196866m	7.24	ng/ul	
26) Benzo(a)pyrene	24.80	252	399407	14.57	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.75	276	294519	9.34	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	77008	2.92	ng/ul#	80
29) Benzo(g,h,i)perylene	28.64	276	244411	9.31	ng/ul	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002457.D
Acq On : 17 Aug 2015 18:40
Operator : UM/IZ
Sample : G3227-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 02:41:14 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

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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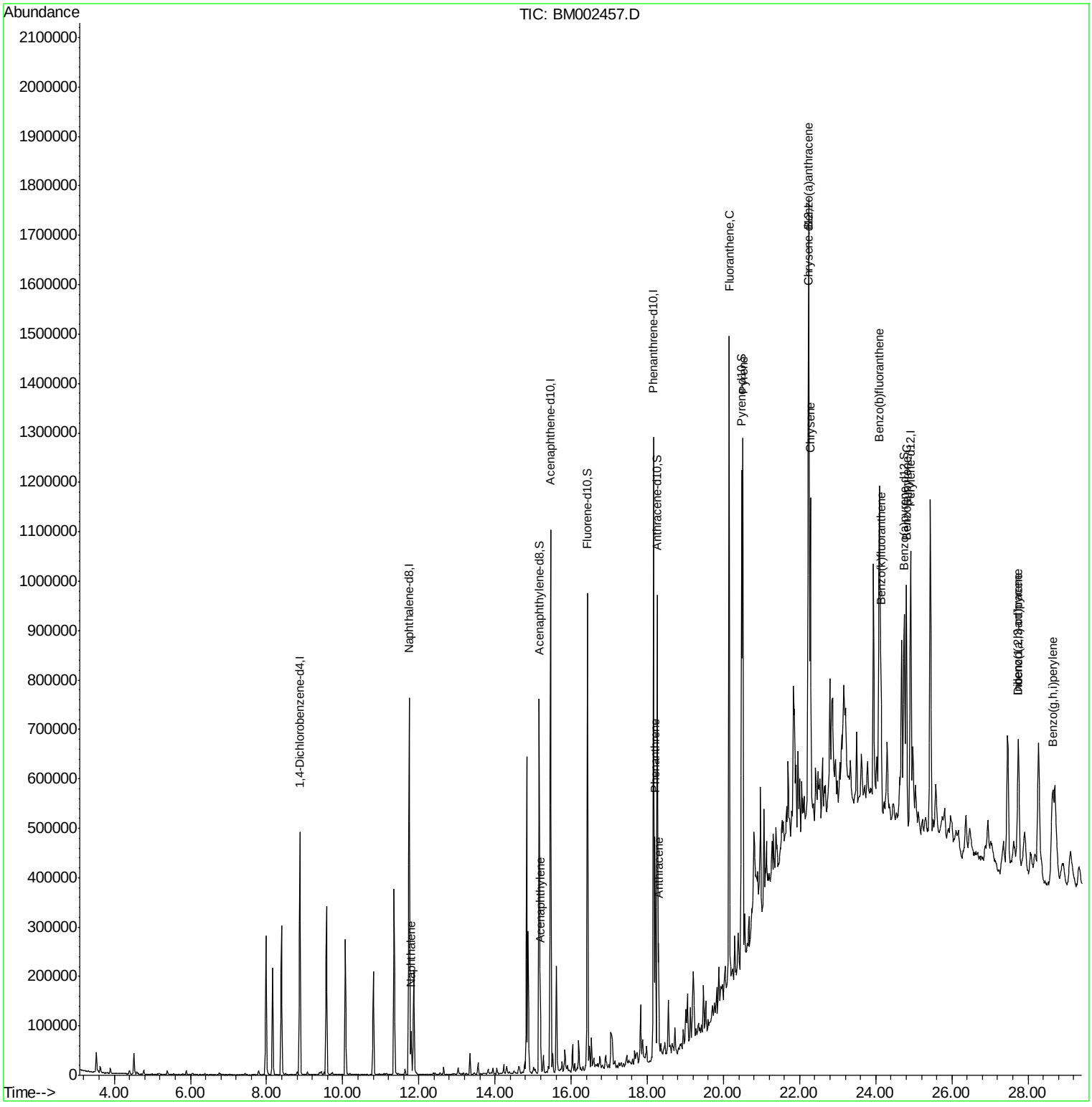
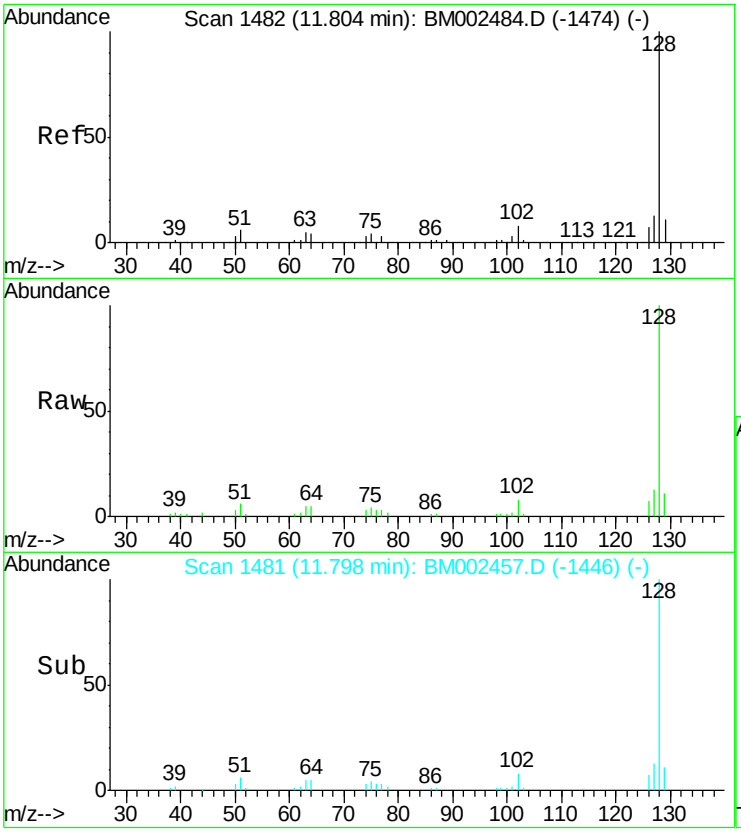
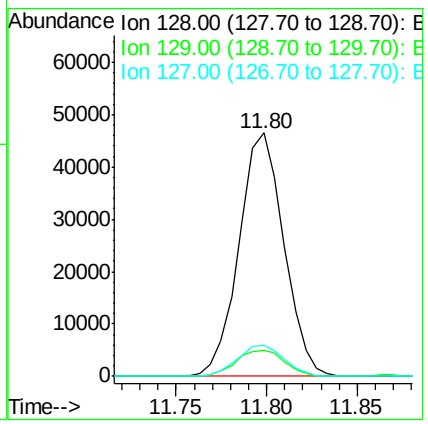




#3
Naphthalene
Concen: 2.22 ng/ul
RT: 11.80 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:128 Resp: 80170

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	12.8	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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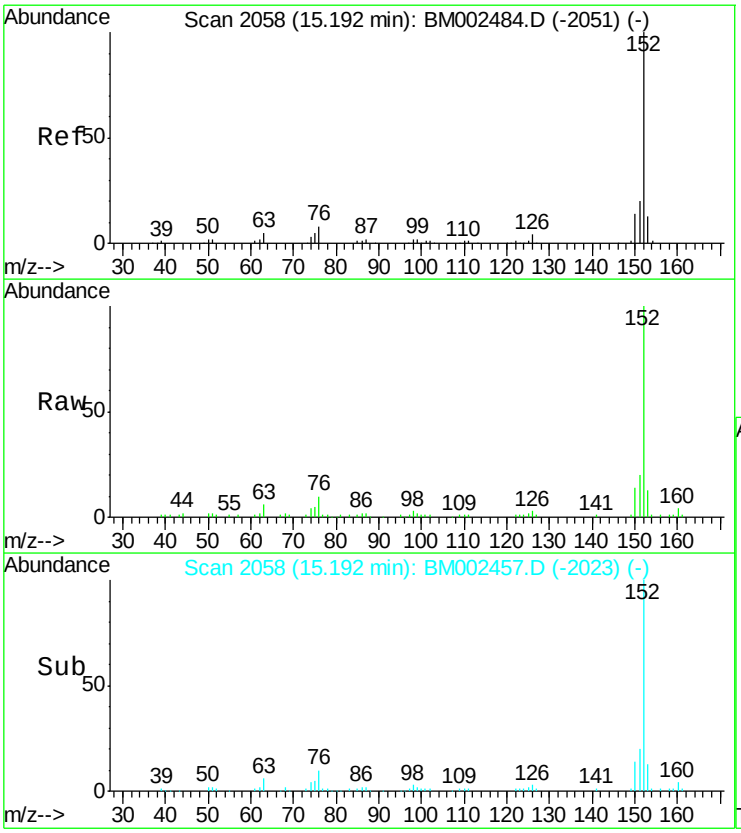
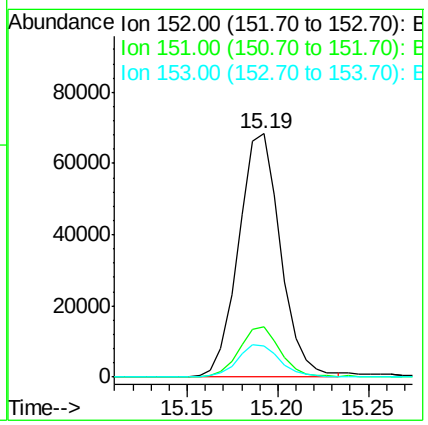
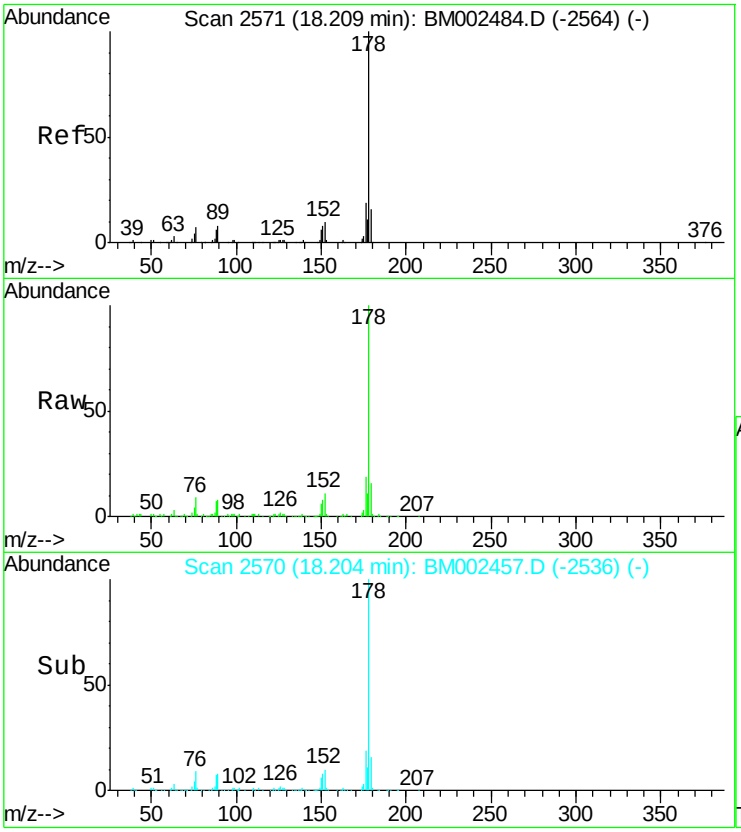


#8
Acenaphthylene
Concen: 2.77 ng/ul
RT: 15.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:152 Resp: 110232

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	12.7	10.2	15.4





#13
Phenanthrene
Concen: 6.62 ng/ul
RT: 18.20 min Scan# 2570
Delta R.T. 0.00 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:178 Resp: 280298

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6
176	19.0	15.1	22.7

Instrument :
BNA_M
ClientSampleId :
D9DC7

Manual Integrations APPROVED
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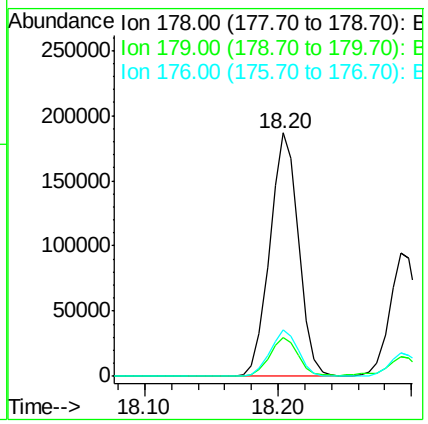
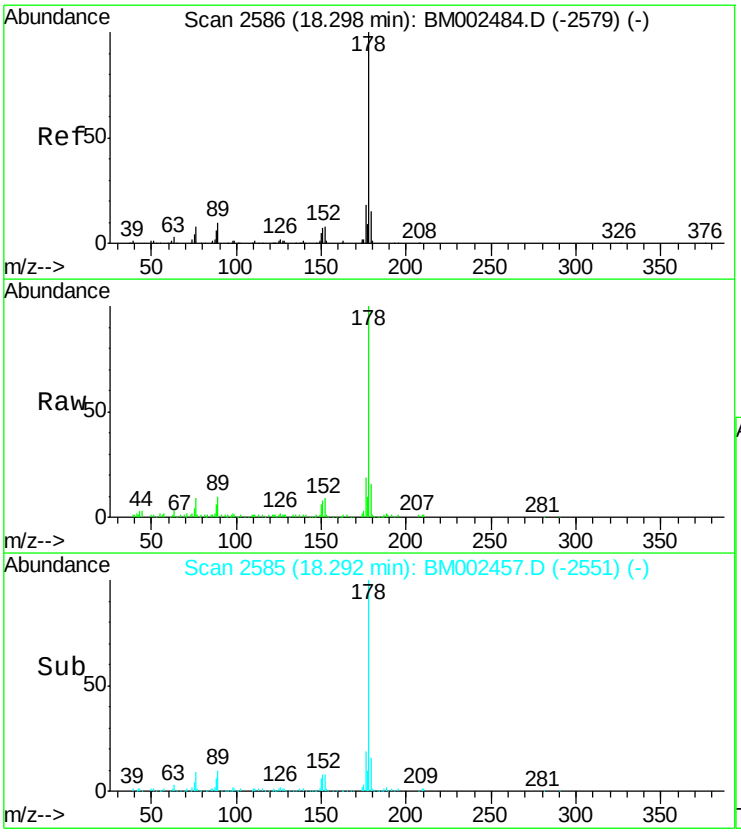
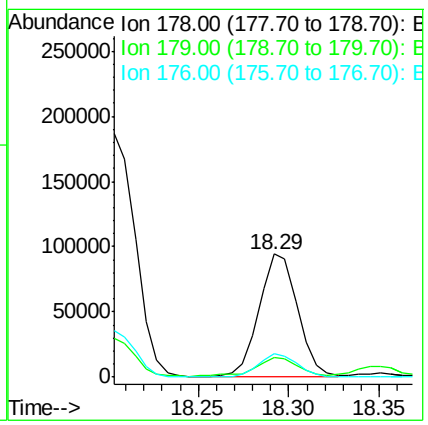


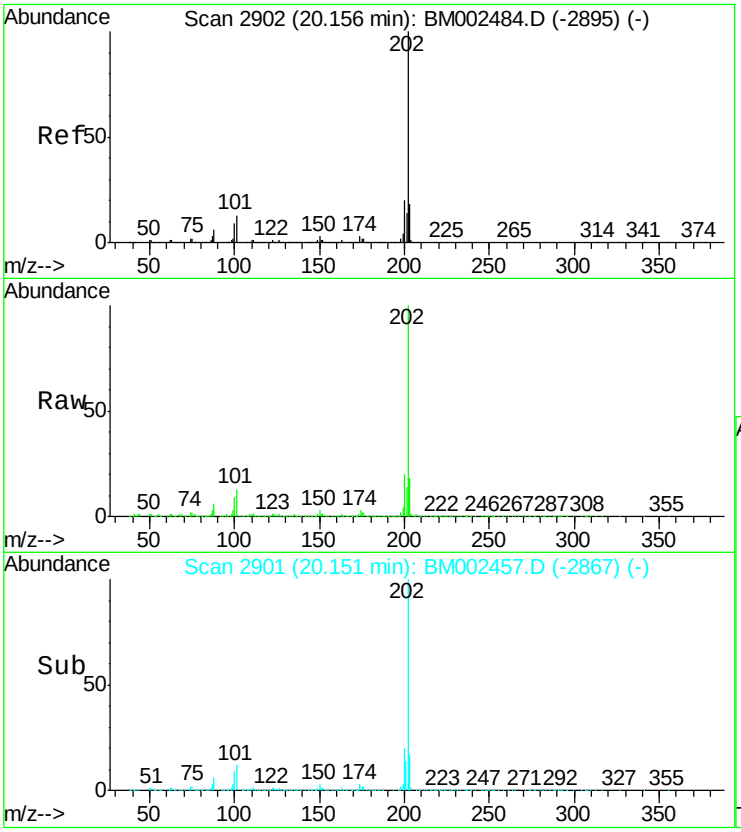


#15
Anthracene
Concen: 3.25 ng/ul
RT: 18.29 min Scan# 2585
Delta R.T. 0.00 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:178 Resp: 139596

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8
176	18.8	14.5	21.7

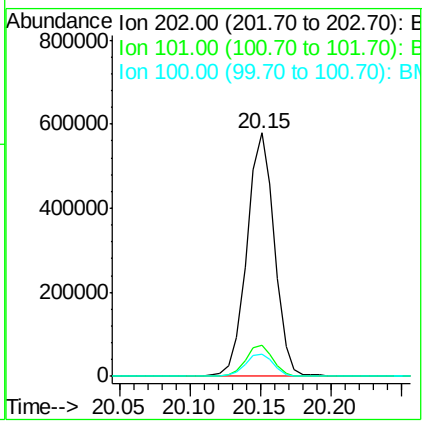




#16
Fluoranthene
Concen: 16.44 ng/ul
RT: 20.15 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:202 Resp: 788222

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.7	14.5
100	9.4	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
D9DC7

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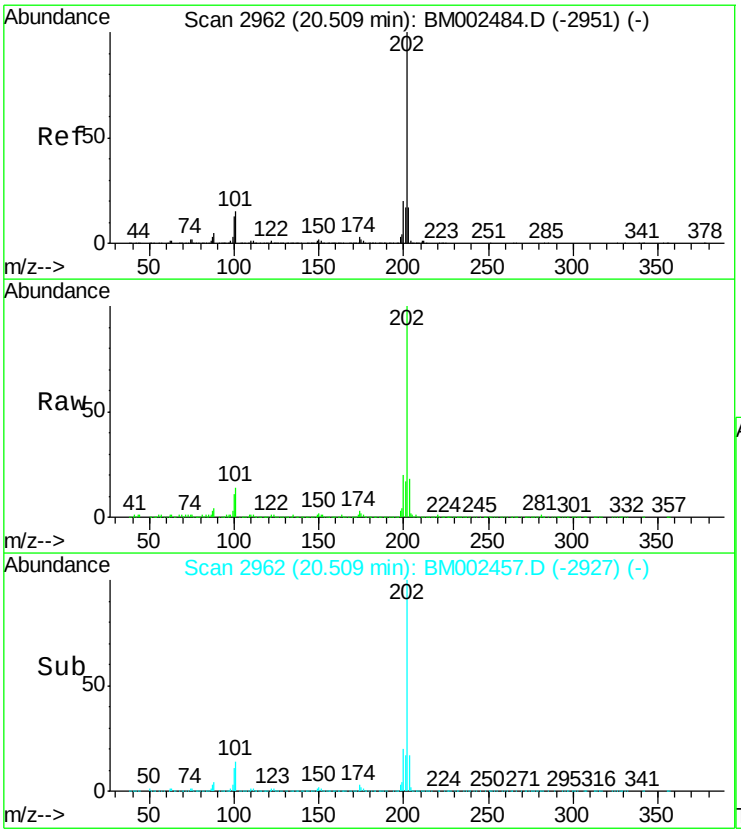
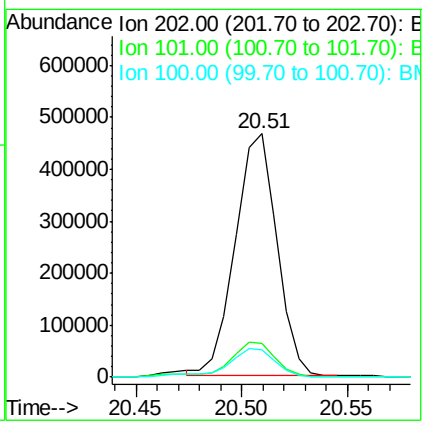
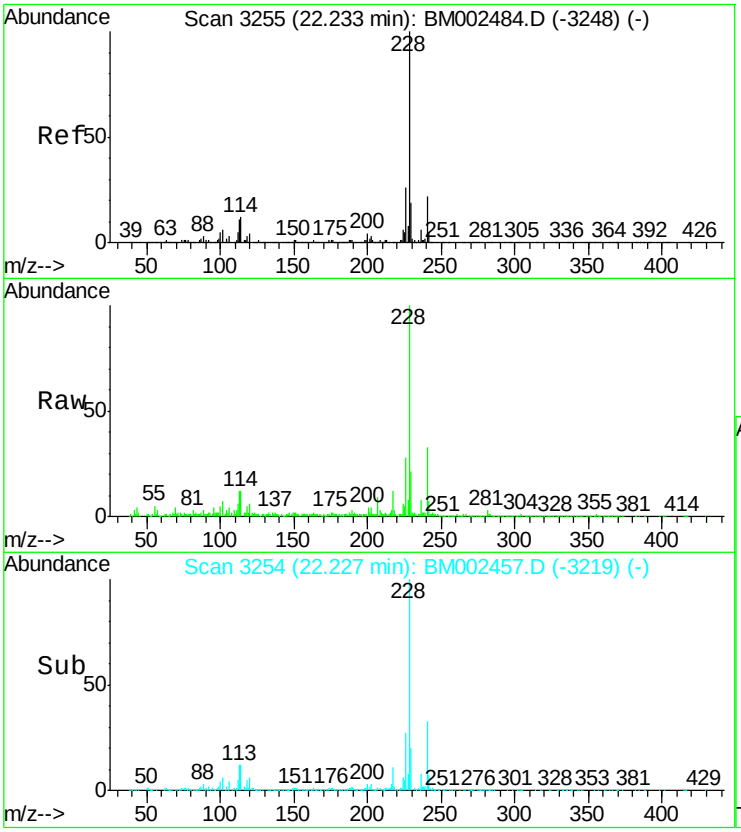


#19
Pyrene
Concen: 20.71 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:202 Resp: 636639

Ion	Ratio	Lower	Upper
202	100		
101	13.9	12.0	18.0
100	11.3	9.7	14.5

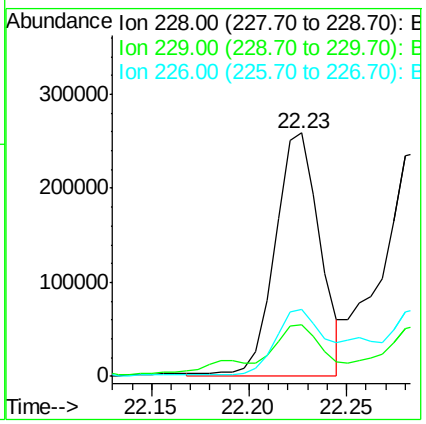




#20
Benzo(a)anthracene
Concen: 13.03 ng/ul
RT: 22.23 min Scan# 3254
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:228 Resp: 408888

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.6
226	27.6	21.1	31.7



Instrument :
BNA_M
ClientSampleId :
D9DC7

Manual Integrations APPROVED
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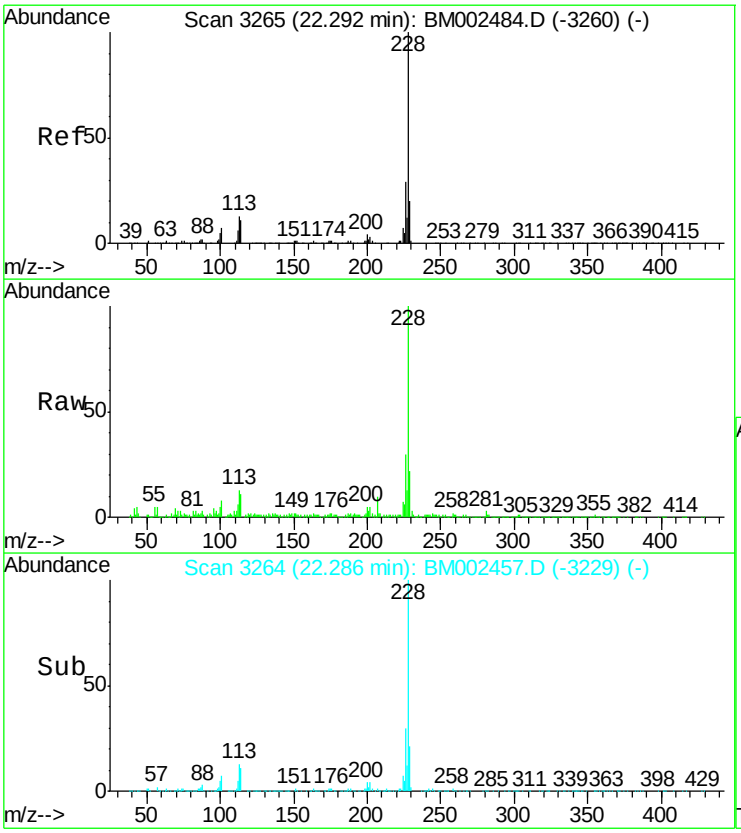
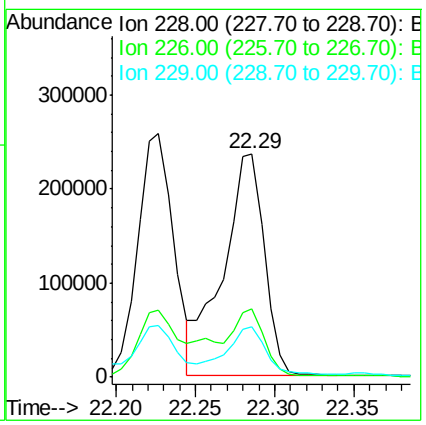
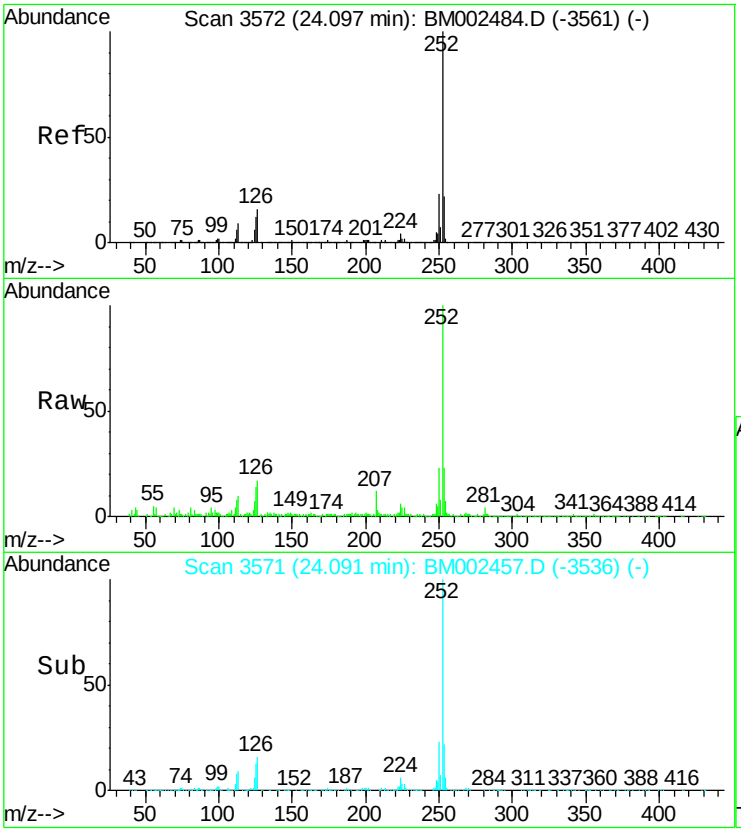


#21
Chrysene
Concen: 14.61 ng/ul
RT: 22.29 min Scan# 3264
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:228 Resp: 428752

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.4	15.7	23.5





#23
Benzo(b)fluoranthene
Concen: 22.45 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:252 Resp: 644473

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	14.3	10.0	15.0

Instrument :
BNA_M
ClientSampleId :
D9DC7

Manual Integrations APPROVED
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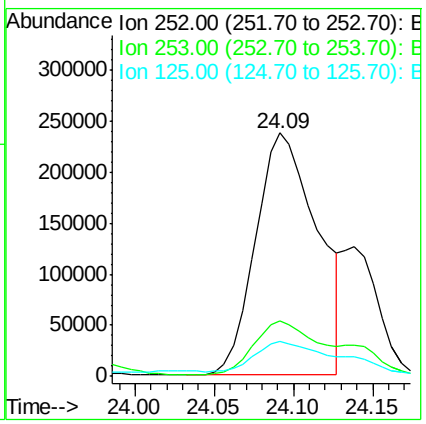
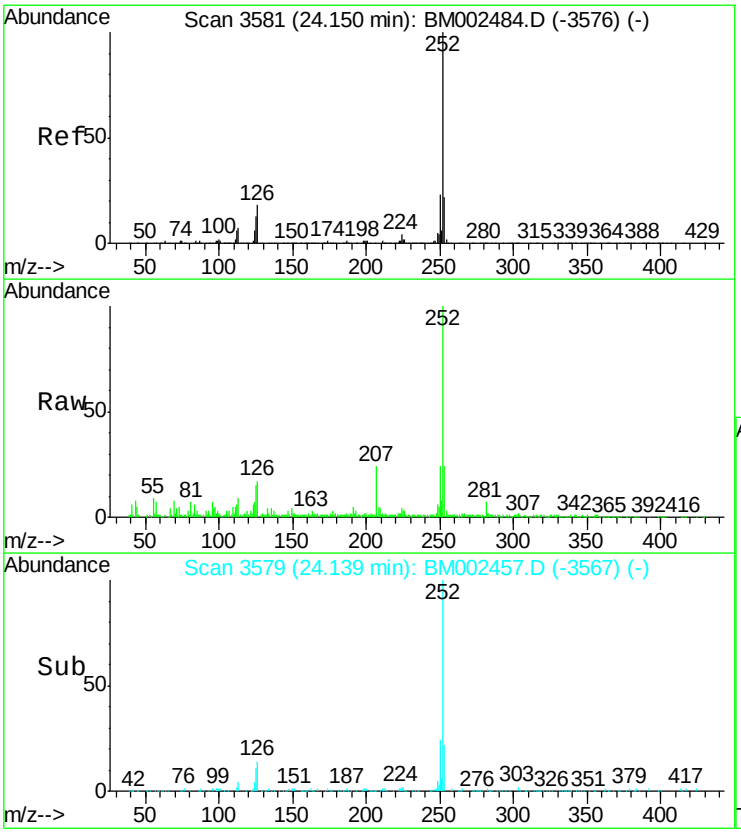
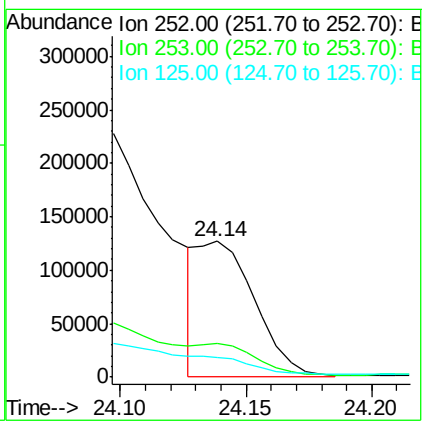


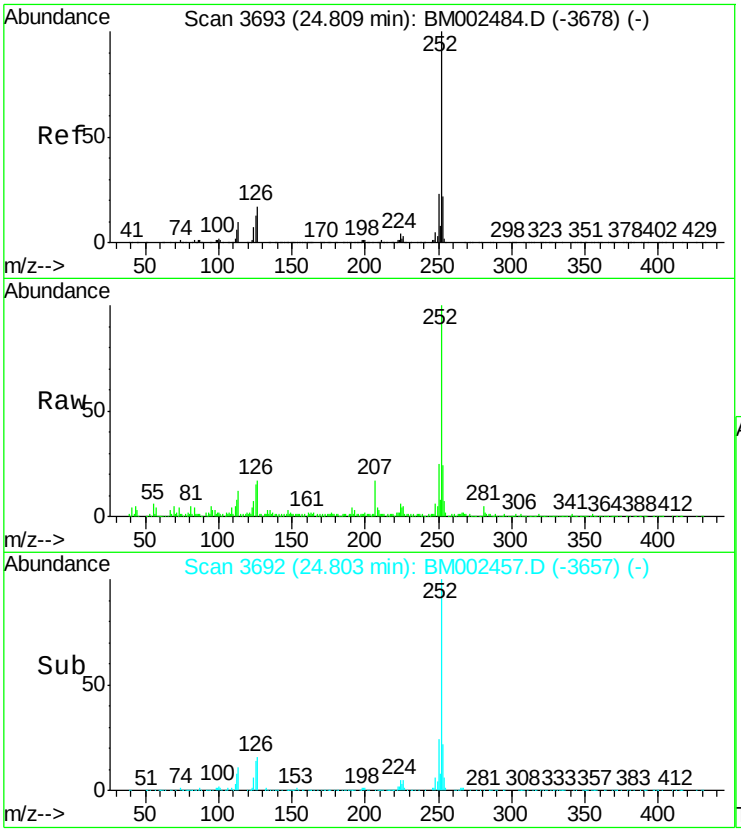


#24
Benzo(k)fluoranthene
Concen: 7.24 ng/ul m
RT: 24.14 min Scan# 3579
Delta R.T. 0.00 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:252 Resp: 196866

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	14.9	9.8	14.8#

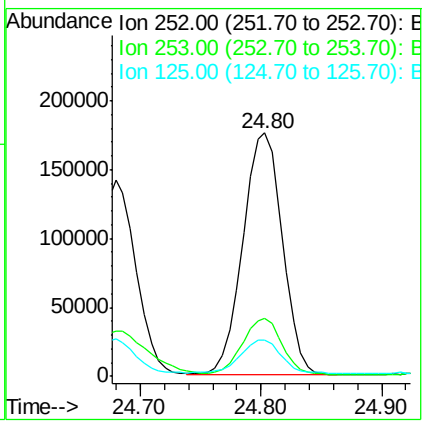




#26
Benzo(a)pyrene
Concen: 14.57 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:252 Resp: 399407

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	15.1	10.7	16.1



Instrument :
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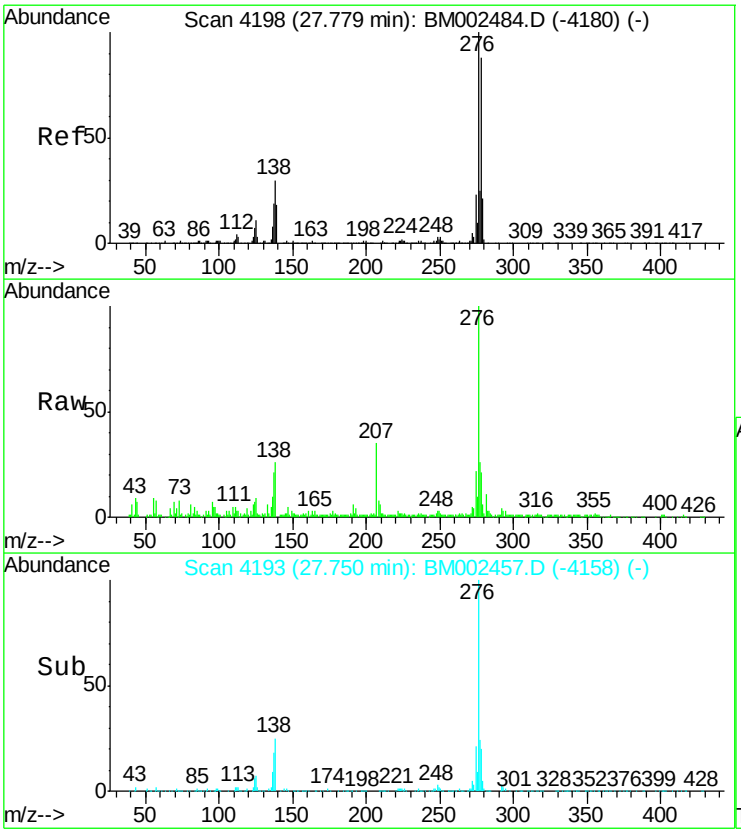
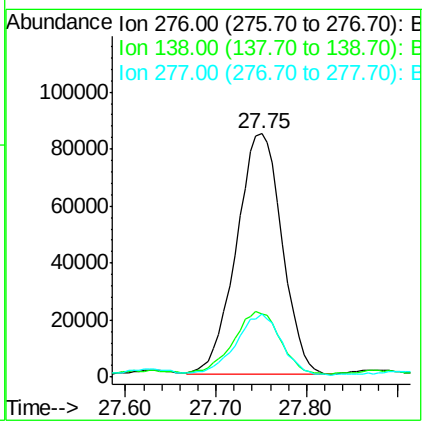
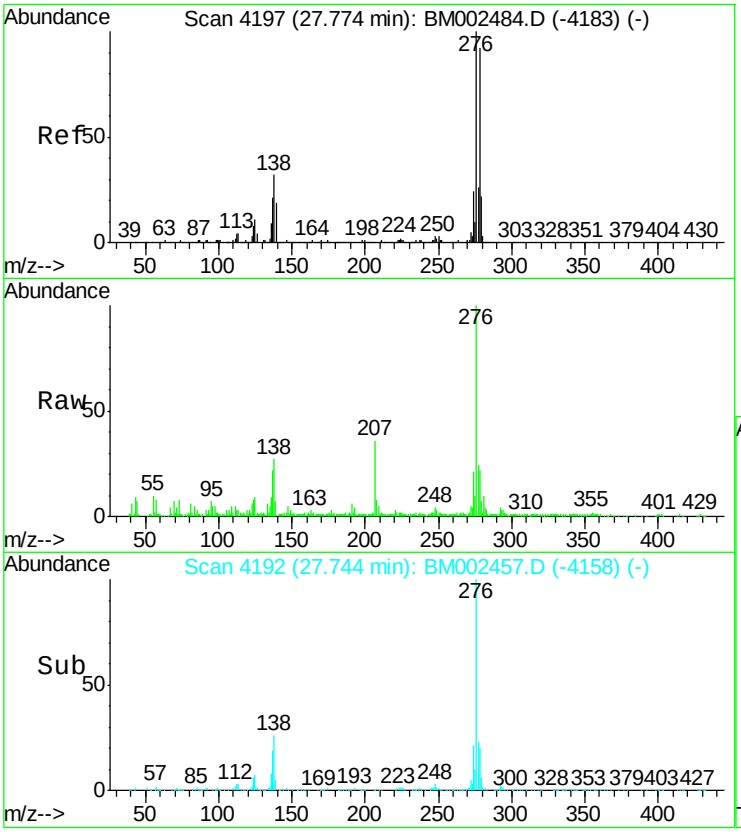


#27
Indeno(1,2,3-cd)pyrene
Concen: 9.34 ng/ul
RT: 27.75 min Scan# 4193
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:276 Resp: 294519

Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.3	37.9
277	25.8	20.2	30.2





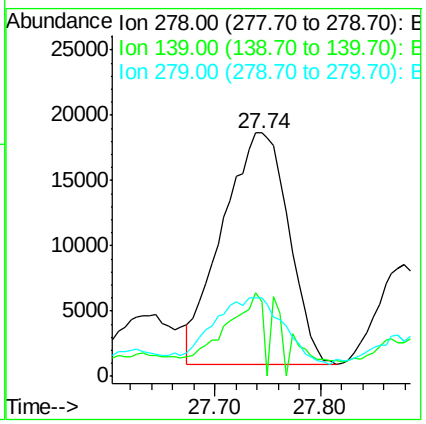
#28
Dibenzo(a,h)anthracene
Concen: 2.92 ng/ul
RT: 27.74 min Scan# 4192
Delta R.T. 0.00 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

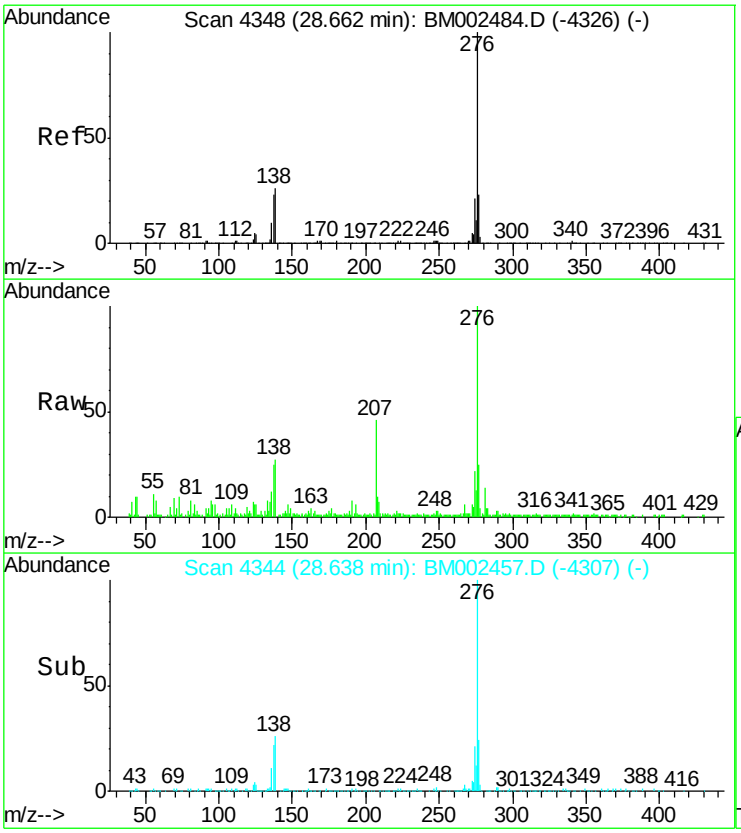
Tgt Ion:278 Resp: 77008

Ion	Ratio	Lower	Upper
278	100		
139	30.7	16.5	24.7#
279	32.3	18.8	28.2#

Instrument :
BNA_M
ClientSampleId :
D9DC7

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:15:57 PM





#29
Benzo(g,h,i)perylene
Concen: 9.31 ng/ul
RT: 28.64 min Scan# 4344
Delta R.T. 0.02 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion:276 Resp: 244411

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.0	31.6
277	24.6	19.2	28.8