Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003260.D
Acq On : 21 Nov 2015 22:17
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:21 PM

Quant Time: Nov 22 05:55:33 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	16169	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	64362	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	32538	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	65954	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	64588	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	67080	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	603	0.03	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.12	152	18670	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	37711	0.23	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.57	128	16111	0.10	ng/ul#	96
7) 2-Methylnaphthalene	12.19	142	5634	0.05	ng/ul#	100
9) Acenaphthylene	14.09	152	32937	0.24	ng/ul	99
10) Acenaphthene	14.43	153	12748	0.11	ng/ul#	76
13) Pentachlorophenol	16.78	266	5267	0.34	ng/ul	96
14) Phenanthrene	17.16	178	369651m	1.93	ng/ul	
15) Anthracene	17.26	178	71799	0.45	ng/ul	99
17) Fluoranthene	19.19	202	770968	3.63	ng/ul	99
19) Pyrene	19.55	202	715490	3.23	ng/ul	99
20) Benzo(a)anthracene	21.31	228	356736	1.90	ng/ul	94
21) Chrysene	21.35	228	365192m	1.73	ng/ul	
23) Benzo(b)fluoranthene	22.91	252	490672m	1.92	ng/ul	
24) Benzo(k)fluoranthene	22.93	252	192991m	0.80	ng/ul	
25) Benzo(a)pyrene	23.48	252	340435	1.50	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.86	276	242785	0.90	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.88	278	55340	0.25	ng/ul#	81
28) Benzo(g,h,i)perylene	26.57	276	232228	0.98	ng/ul	97

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

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003260.D
Acq On : 21 Nov 2015 22:17
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 05:55:33 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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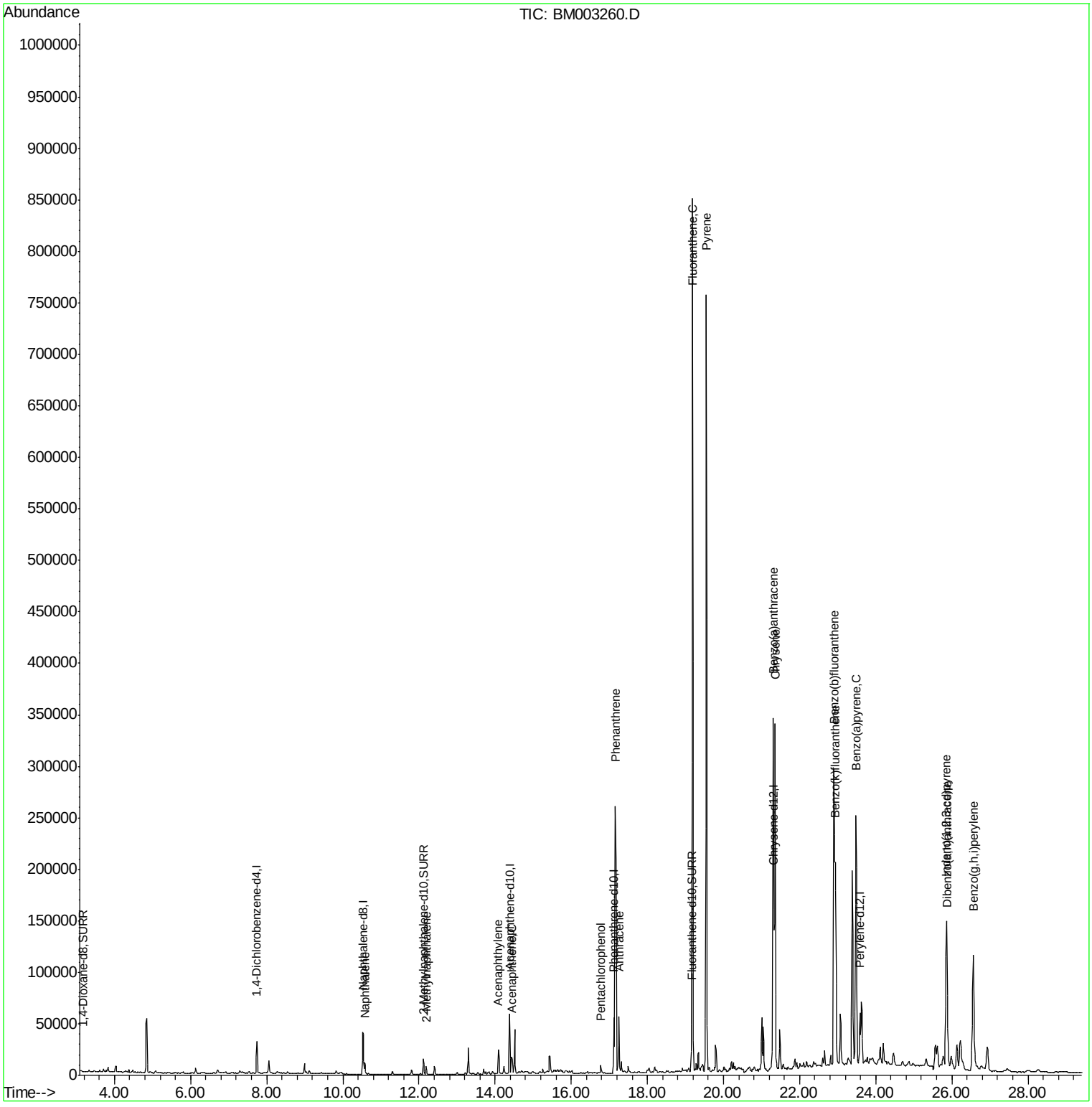
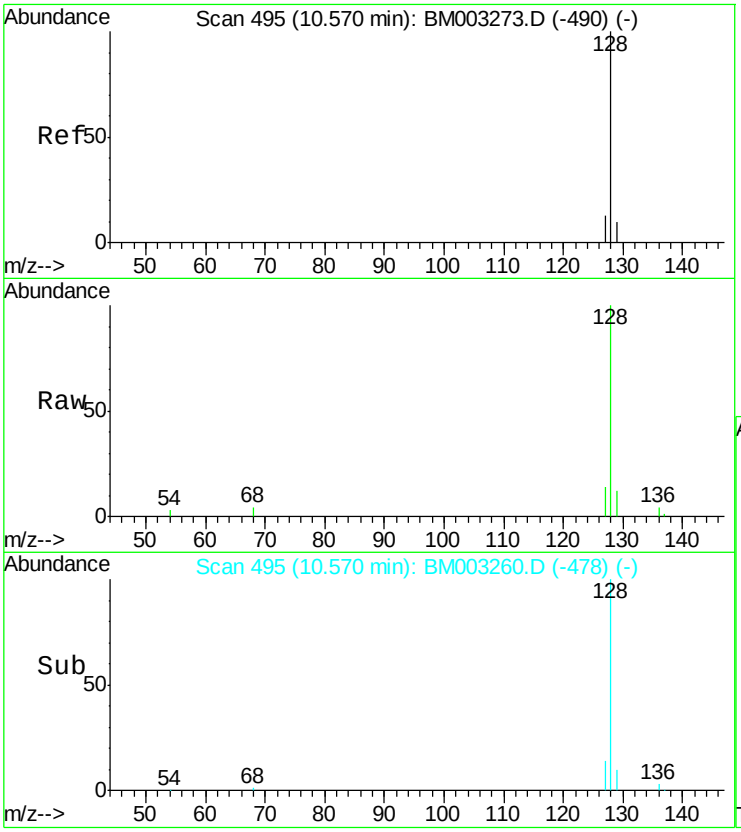
11/23/2015 7:04:21 PM

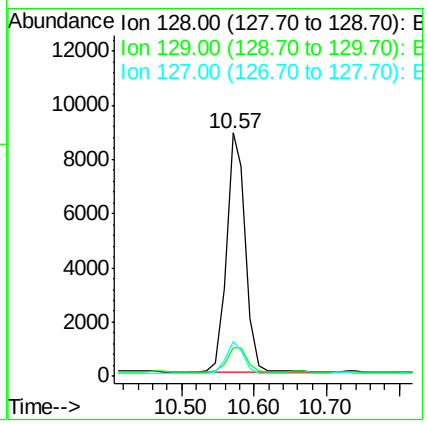




#5
Naphthalene
Concen: 0.10 ng/ul
RT: 10.57 min Scan# 495
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:128 Resp: 16111

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	14.4	9.6	14.4#



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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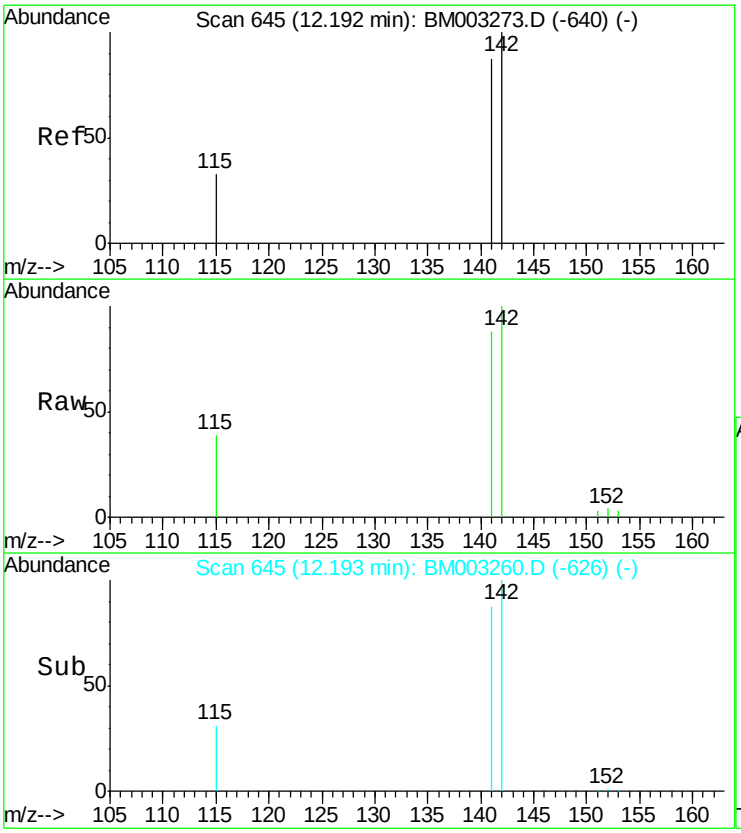
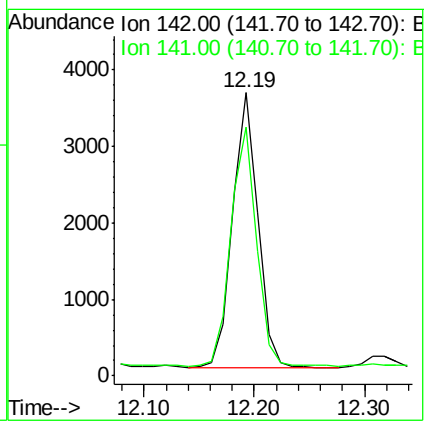
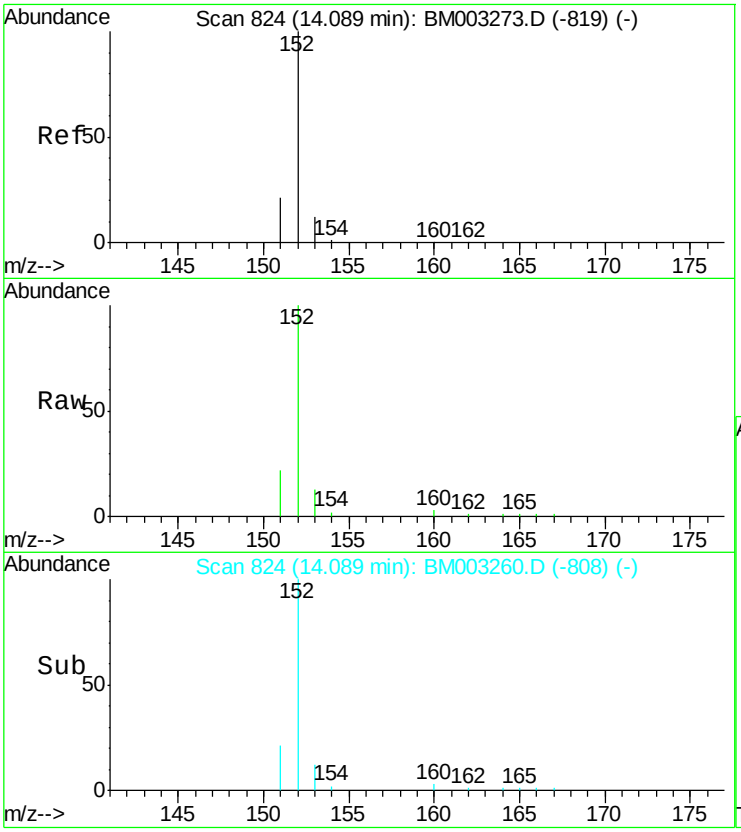


#7
2-Methylnaphthalene
Concen: 0.05 ng/ul
RT: 12.19 min Scan# 645
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:142 Resp: 5634

Ion	Ratio	Lower	Upper
142	100		
141	89.0	0.0	0.0#

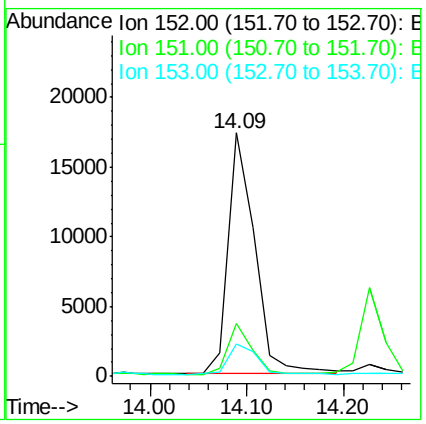




#9
Acenaphthylene
Concen: 0.24 ng/ul
RT: 14.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:152 Resp: 32937

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.6	26.4
153	13.2	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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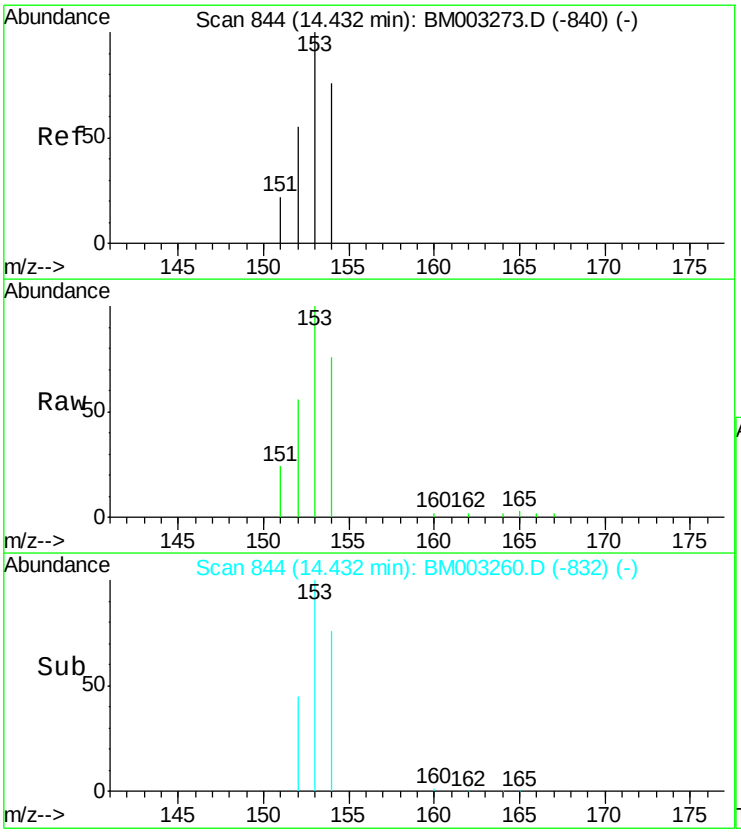
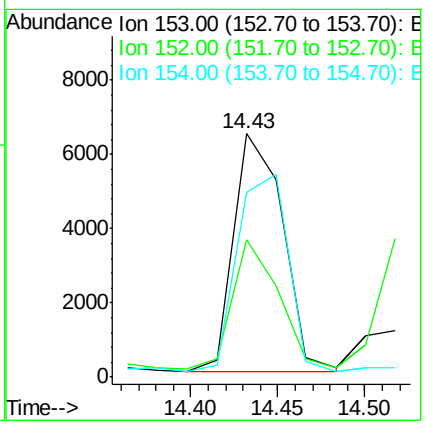
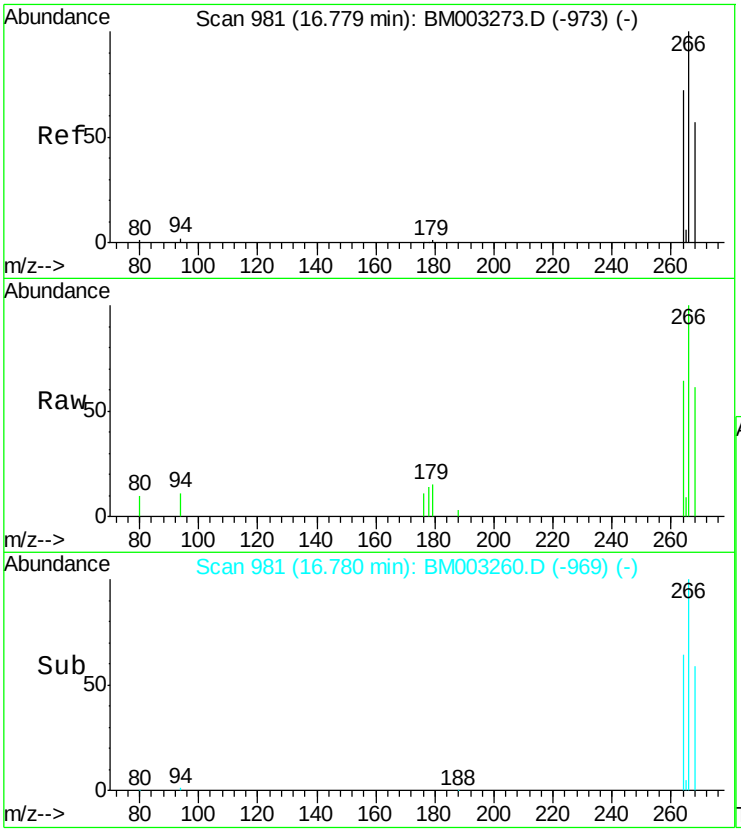


#10
Acenaphthene
Concen: 0.11 ng/ul
RT: 14.43 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:153 Resp: 12748

Ion	Ratio	Lower	Upper
153	100		
152	56.3	33.9	50.9#
154	75.7	80.6	121.0#

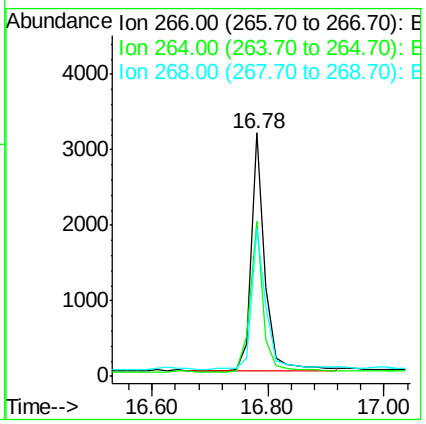




#13
Pentachlorophenol
Concen: 0.34 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:266 Resp: 5267

Ion	Ratio	Lower	Upper
266	100		
264	61.9	51.8	77.8
268	62.4	46.8	70.2



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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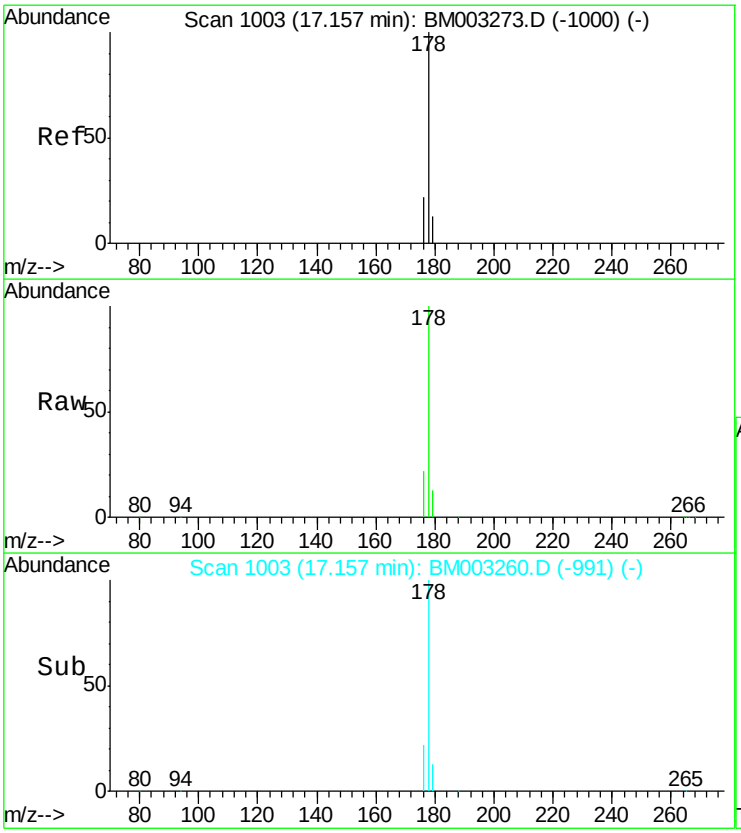
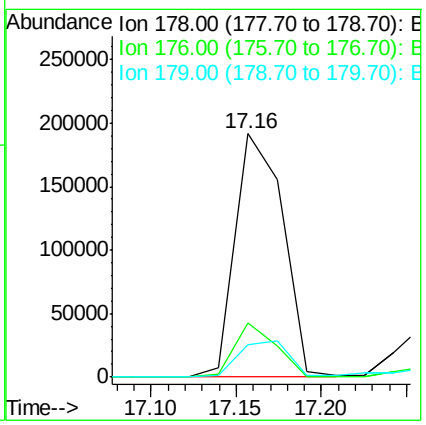
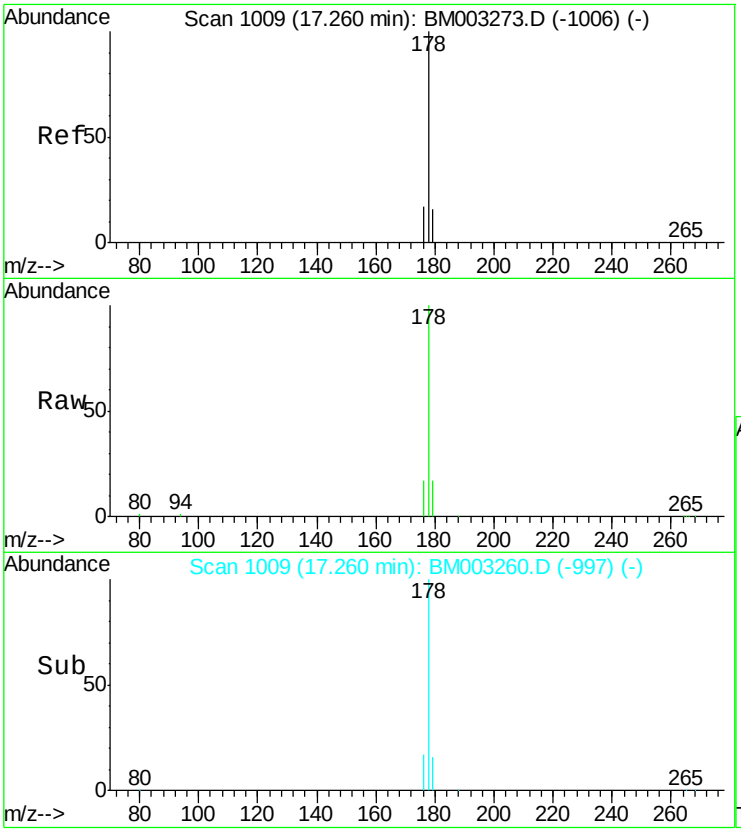


#14
Phenanthrene
Concen: 1.93 ng/ul m
RT: 17.16 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:178 Resp: 369651

Ion	Ratio	Lower	Upper
178	100		
176	22.1	13.0	19.4#
179	13.3	14.2	21.2#

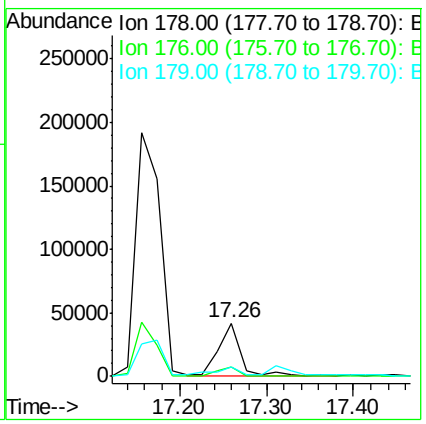




#15
Anthracene
Concen: 0.45 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:178 Resp: 71799

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.0	21.0
179	16.7	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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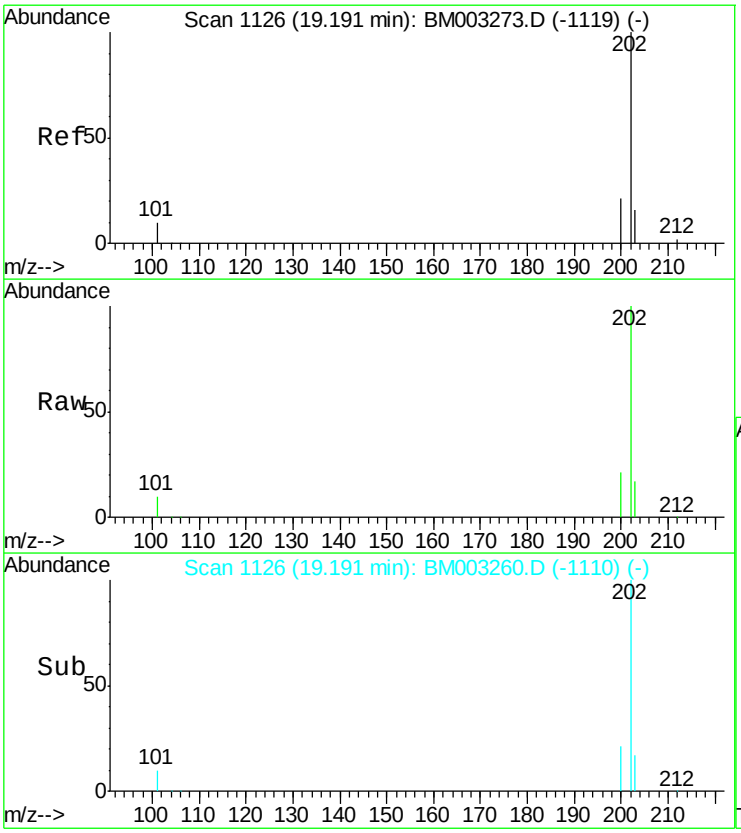
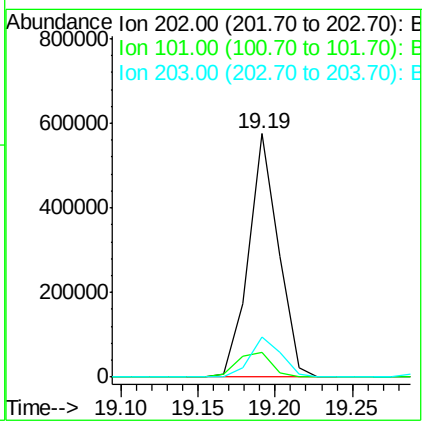
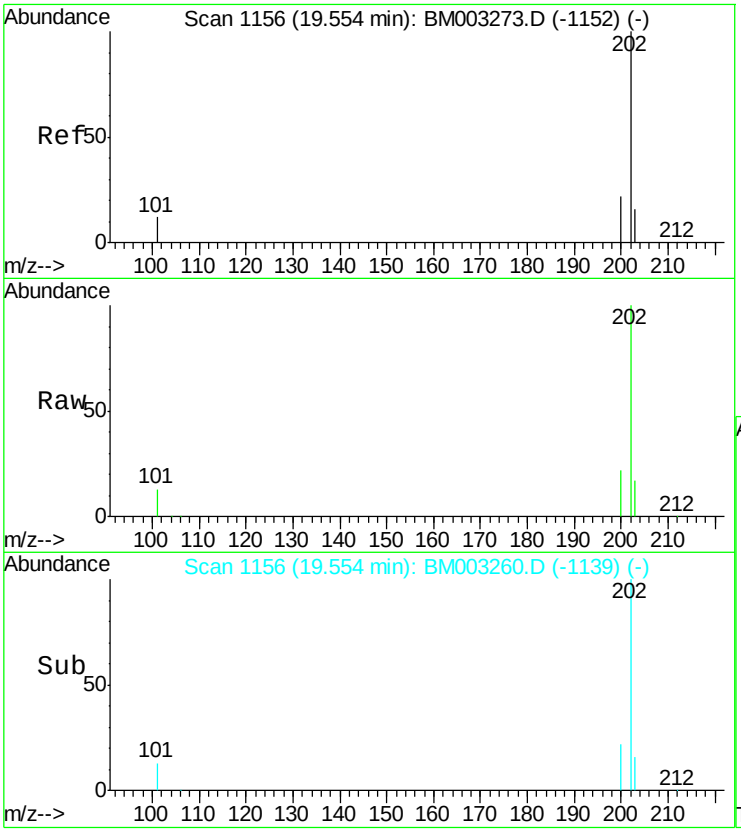


#17
Fluoranthene
Concen: 3.63 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:202 Resp: 770968

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.6
203	16.7	0.0	36.3

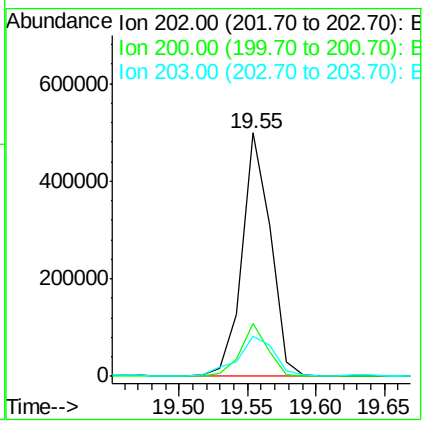




#19
Pyrene
Concen: 3.23 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:202 Resp: 715490

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.8	26.8
203	16.7	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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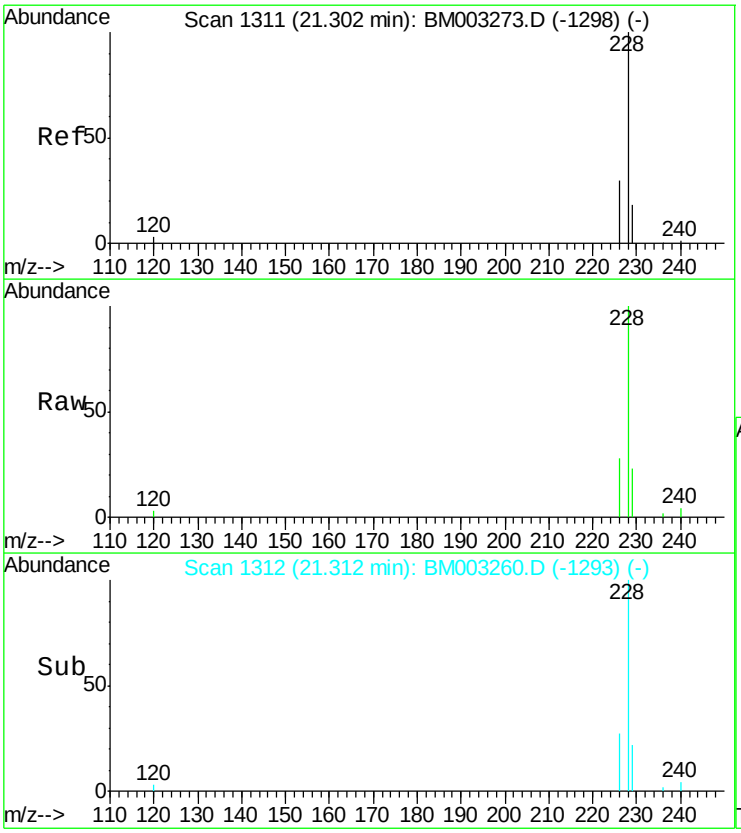
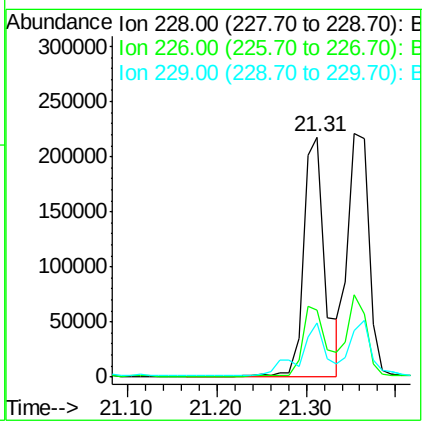
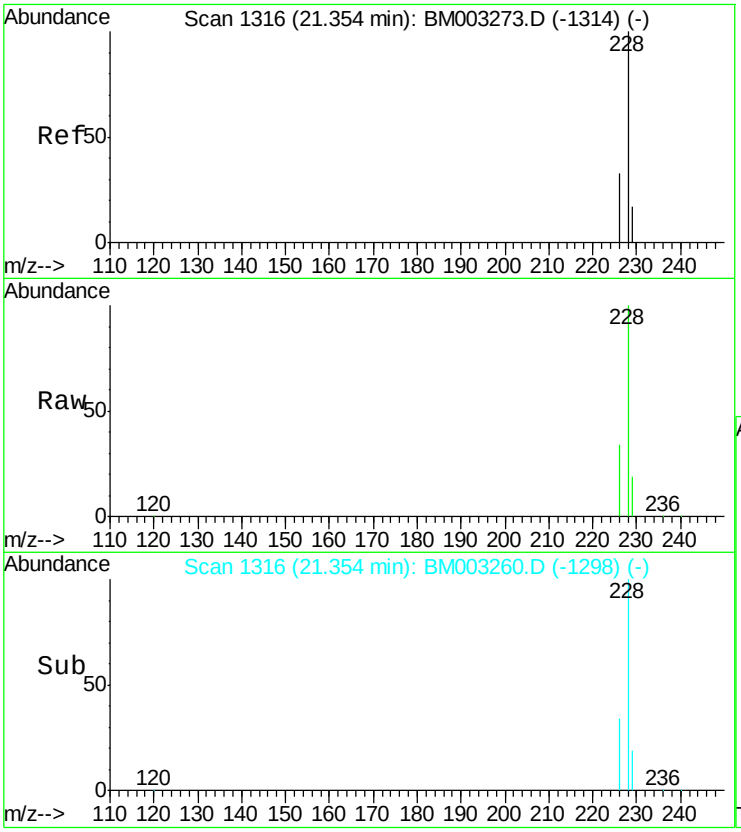


#20
Benzo(a)anthracene
Concen: 1.90 ng/ul
RT: 21.31 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:228 Resp: 356736

Ion	Ratio	Lower	Upper
228	100		
226	27.8	18.8	28.2
229	22.8	17.1	25.7

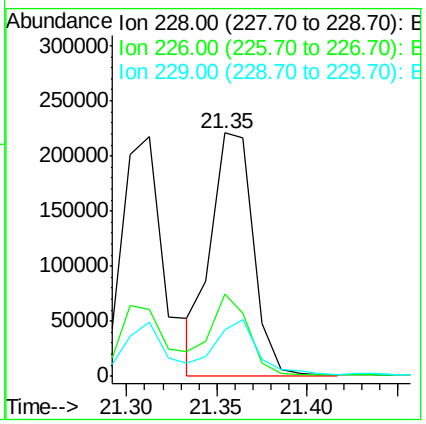




#21
Chrysene
Concen: 1.73 ng/ul m
RT: 21.35 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:228 Resp: 365192

Ion	Ratio	Lower	Upper
228	100		
226	33.8	21.2	31.8#
229	19.4	17.0	25.6



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
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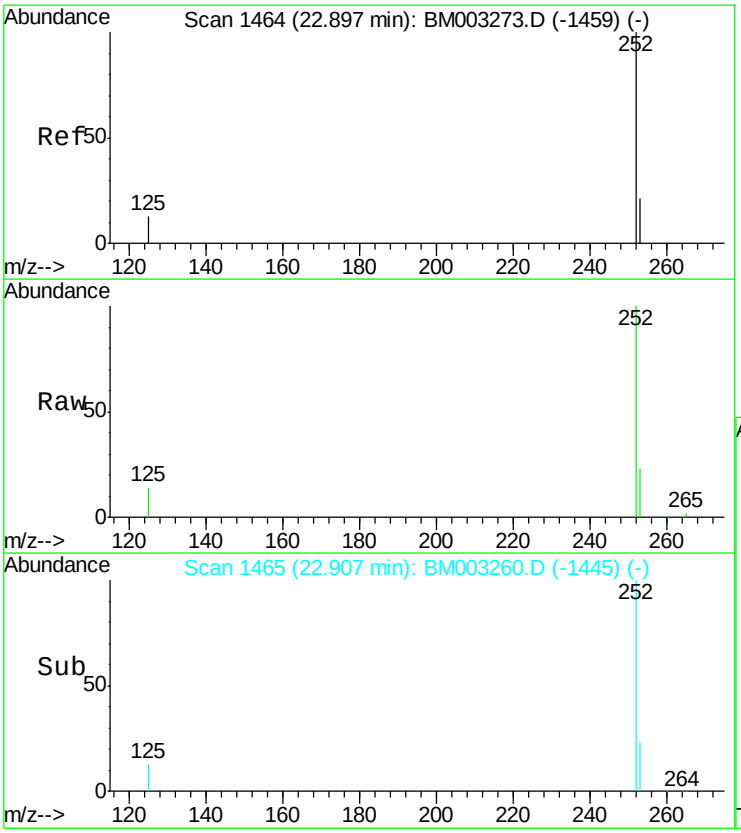
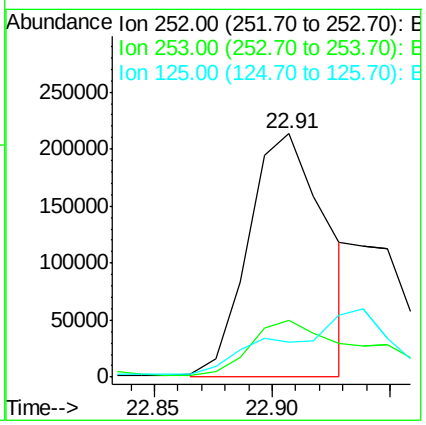
11/23/2015 7:04:21 PM

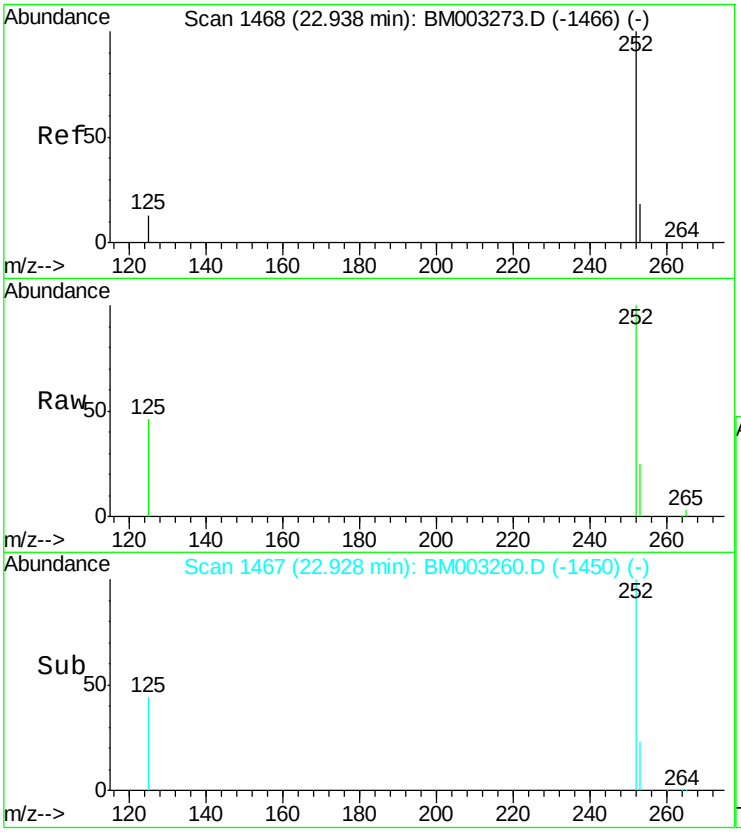


#23
Benzo(b)fluoranthene
Concen: 1.92 ng/ul m
RT: 22.91 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:252 Resp: 490672

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	45.4
125	14.3	0.0	28.8





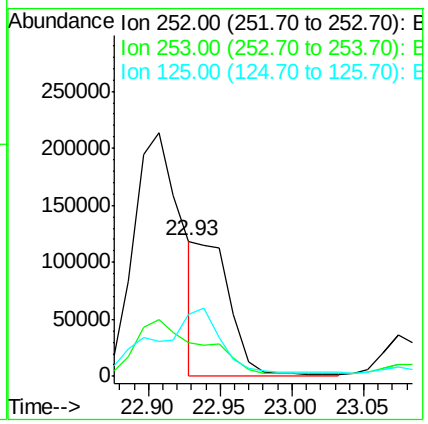
#24
Benzo(k)fluoranthene
Concen: 0.80 ng/ul m
RT: 22.93 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

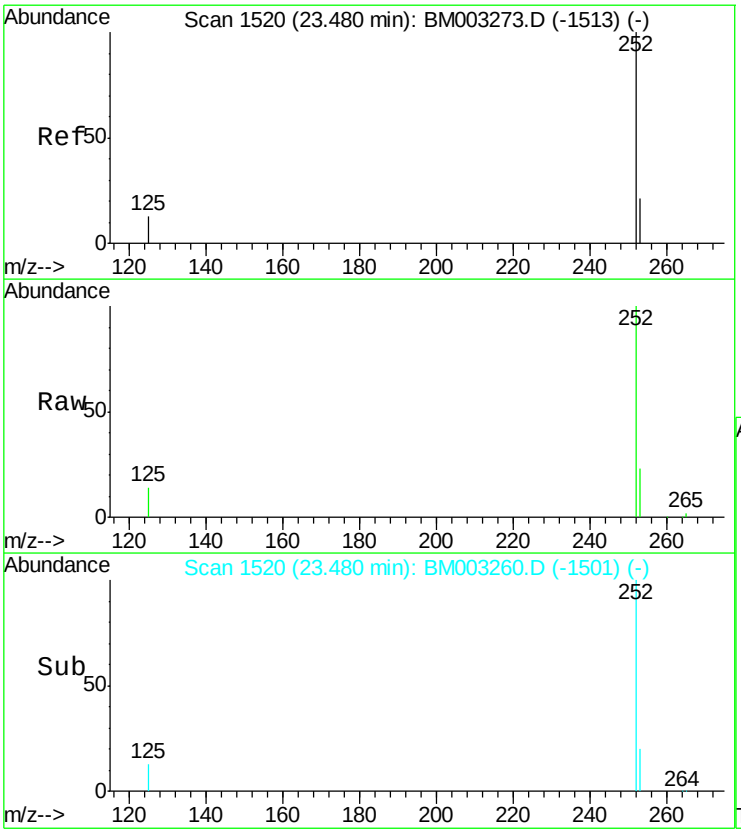
Tgt Ion:252 Resp: 192991

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.8	29.8
125	45.7	10.4	15.6#

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:21 PM

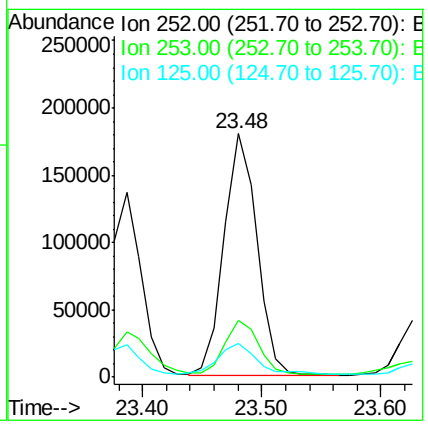


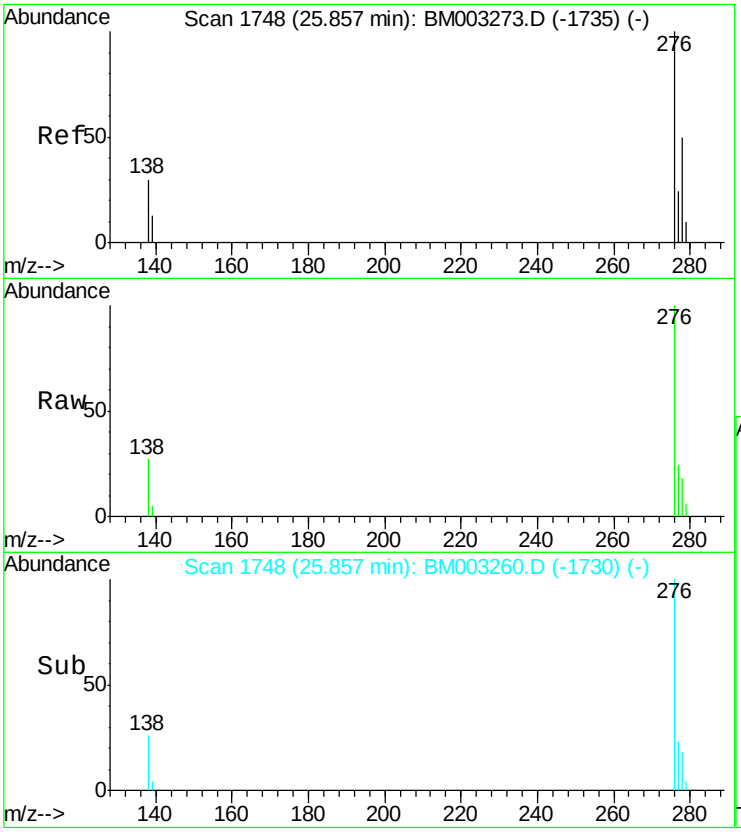


#25
Benzo(a)pyrene
Concen: 1.50 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:252 Resp: 340435

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.4	29.2
125	14.0	12.7	19.1





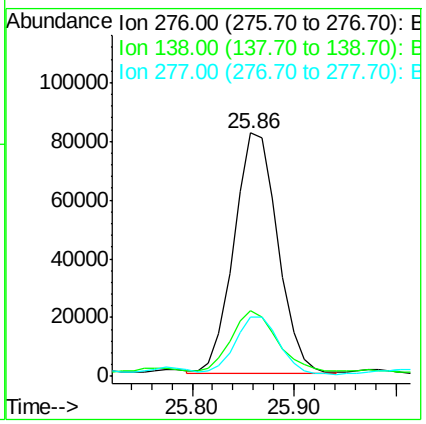
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.90 ng/ul
RT: 25.86 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

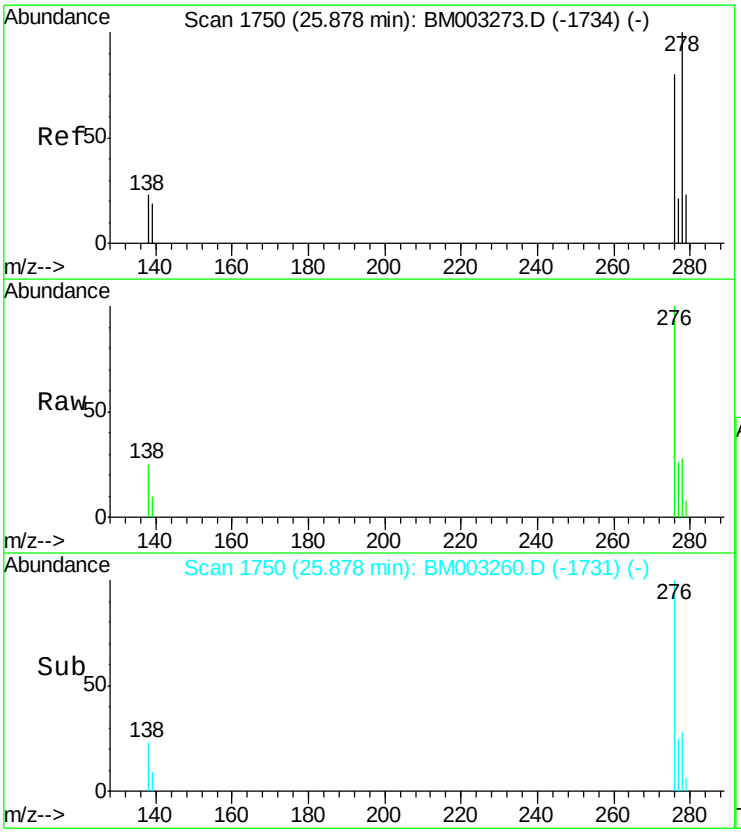
Tgt Ion:276 Resp: 242785

Ion	Ratio	Lower	Upper
276	100		
138	26.5	16.3	24.5#
277	24.1	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:21 PM

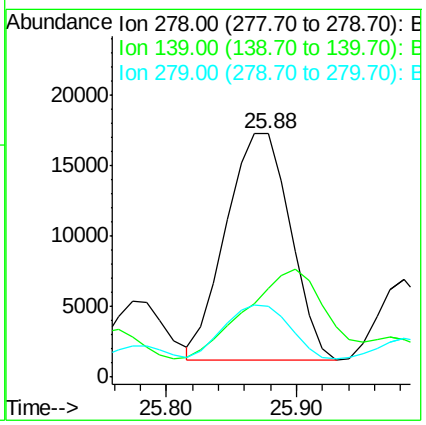


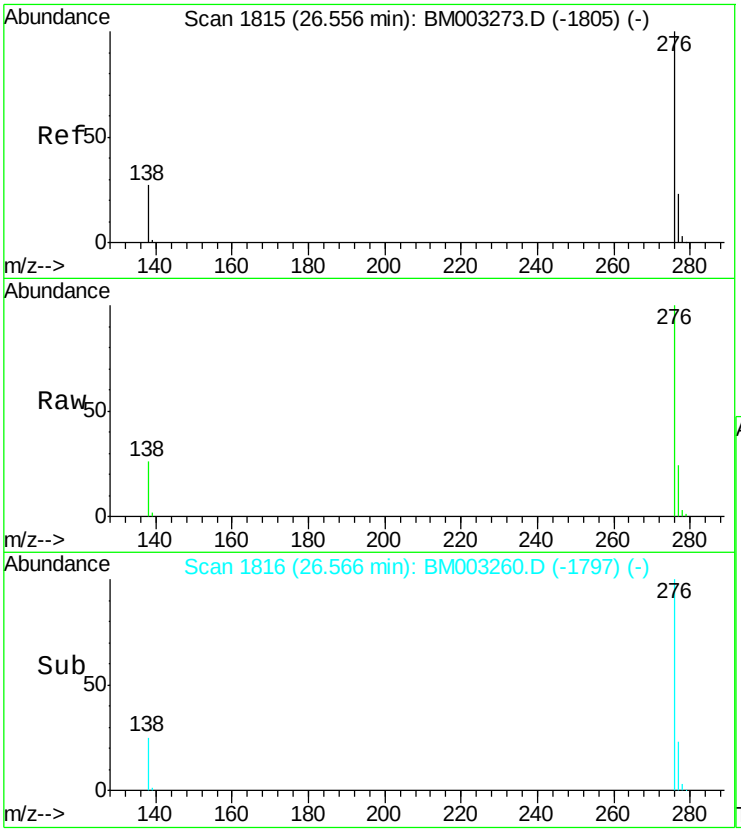


#27
Dibenzo(a,h)anthracene
Concen: 0.25 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:278 Resp: 55340

Ion	Ratio	Lower	Upper
278	100		
139	36.2	16.4	24.6#
279	28.9	20.2	30.2

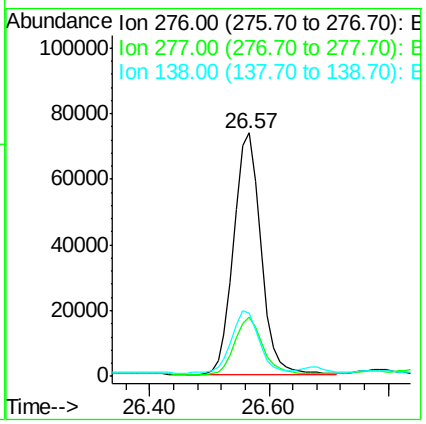




#28
Benzo(g,h,i)perylene
Concen: 0.98 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003260.D
Acq: 21 Nov 2015 22:17

Tgt Ion:276 Resp: 232228

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	25.9	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:21 PM