

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070716\
 Data File : BM006298.D
 Acq On : 07 Jul 2016 00:28
 Operator : UM/SJ
 Sample : H3811-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW0

Manual Integrations

umangi
 7/7/2016 6:05:31 PM

Quant Time: Jul 07 11:38:48 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4690	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18532	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10453	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	21200m	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	13859m	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	13636	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	7071	3.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	5658	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	10417	0.23	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.48	128	1190	0.03	ng/ul#	77
7) 2-Methylnaphthalene	12.09	142	588	0.02	ng/ul	100
9) Acenaphthylene	14.01	152	2722	0.08	ng/ul#	94
11) Fluorene	15.34	166	1111	0.03	ng/ul#	76
14) Phenanthrene	17.07	178	25444m	0.43	ng/ul	
15) Anthracene	17.16	178	2970	0.05	ng/ul#	74
17) Fluoranthene	19.10	202	44161	0.68	ng/ul	95
19) Pyrene	19.46	202	40527	0.70	ng/ul	96
20) Benzo(a)anthracene	21.22	228	13239m	0.30	ng/ul	
21) Chrysene	21.28	228	16758	0.38	ng/ul	96
23) Benzo(b)fluoranthene	22.79	252	20701m	0.42	ng/ul	
24) Benzo(k)fluoranthene	22.81	252	8179m	0.18	ng/ul	
25) Benzo(a)pyrene	23.35	252	15285	0.34	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	25.66	276	10956	0.22	ng/ul#	87
27) Dibenzo(a,h)anthracene	25.68	278	2756	0.07	ng/ul#	35
28) Benzo(a,h,i)perylene	26.34	276	9865	0.23	ng/ul	97

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

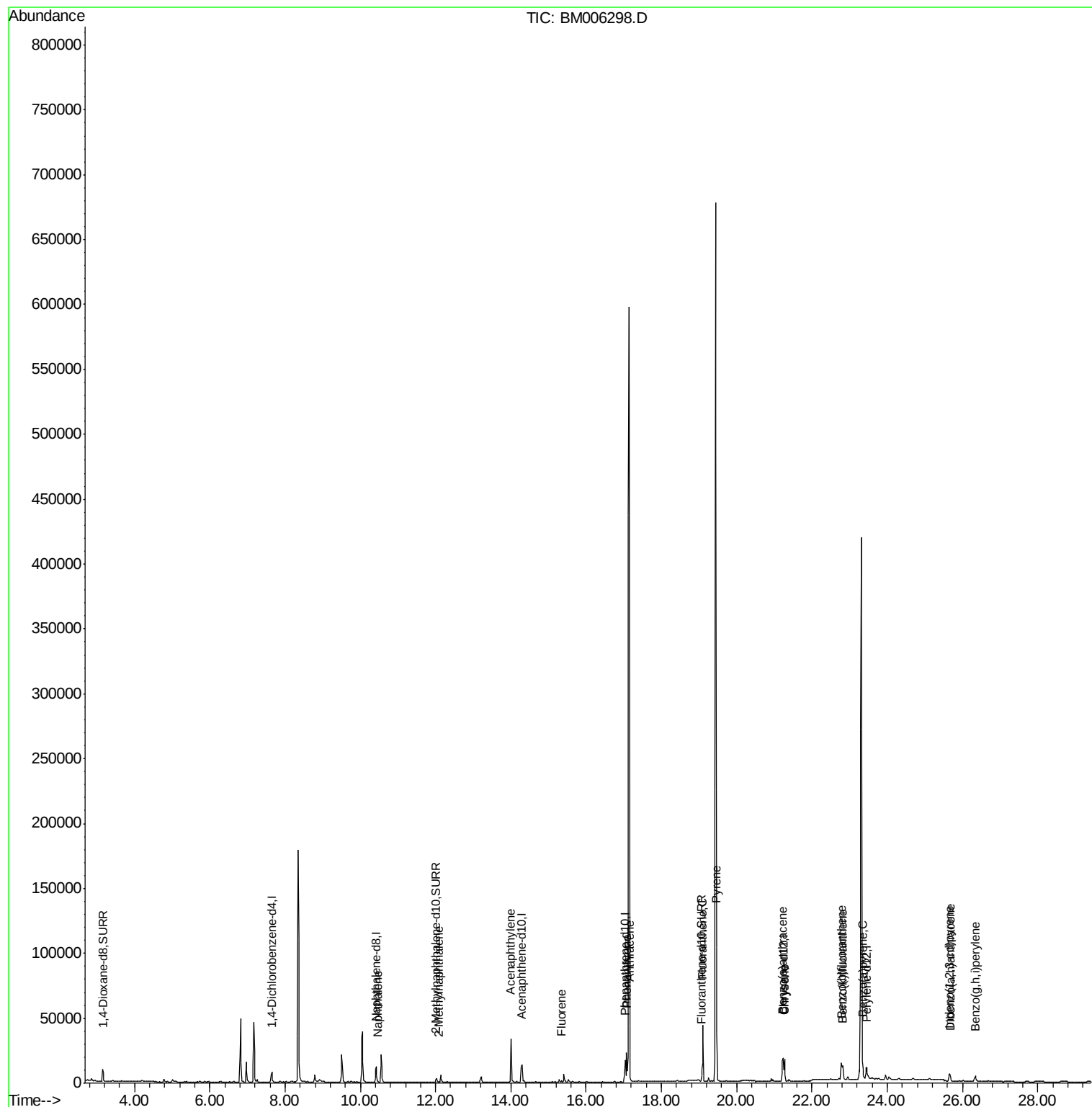
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070716\
Data File : BM006298.D
Acq On : 07 Jul 2016 00:28
Operator : UM/SJ
Sample : H3811-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

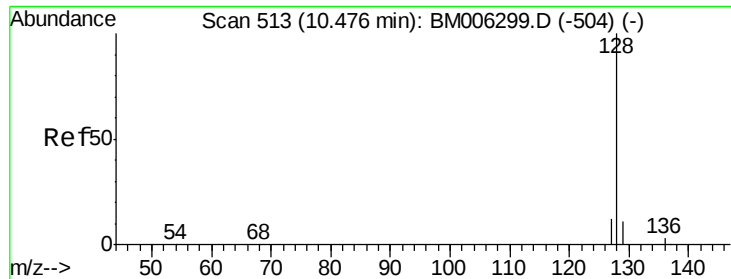
Instrument :
BNA_M
ClientSampleId :
A4TW0

Manual Integrations

umangi
7/7/2016 6:05:31 PM

Quant Time: Jul 07 11:38:48 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 05:51:09 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

Tot Ion:128 Resp: 1190

Ion Ratio Lower Upper

128 100

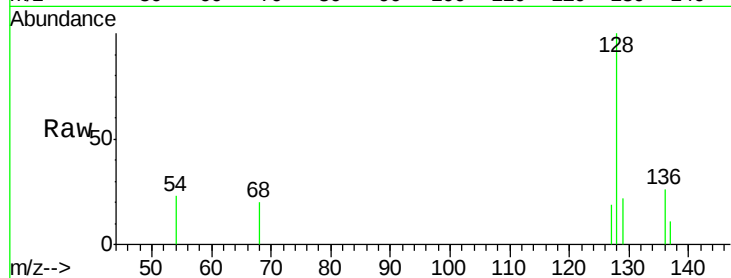
129 22.2 9.0 13.6#

127 19.0 9.6 14.4#

Manual Integrations

umangi

7/7/2016 6:05:31 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.48

600

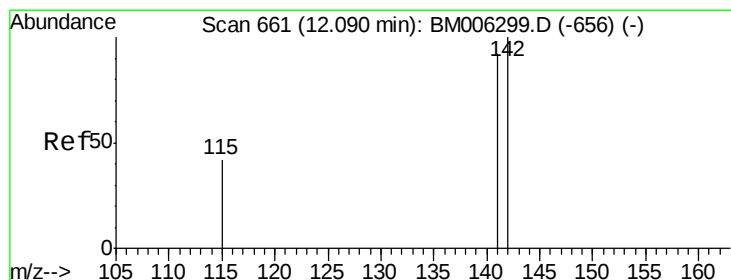
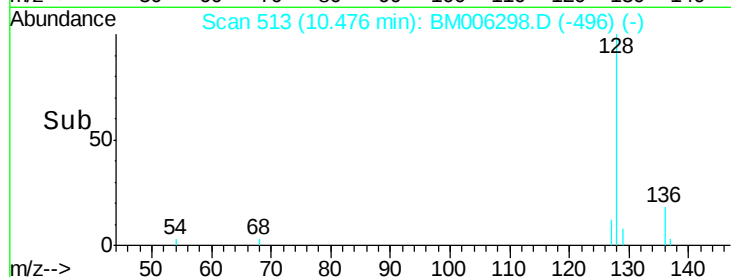
400

200

0

10.40 10.50

Time-->



#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006298.D

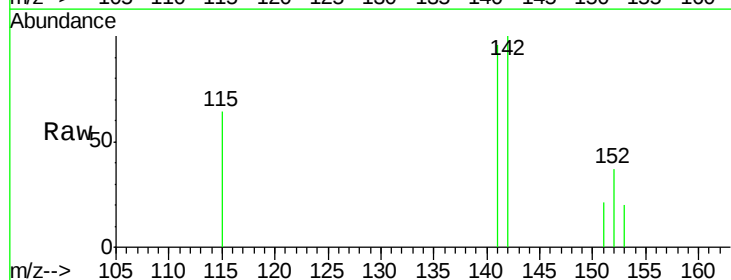
Acq: 07 Jul 2016 00:28

Tgt Ion:142 Resp: 588

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.09

400

300

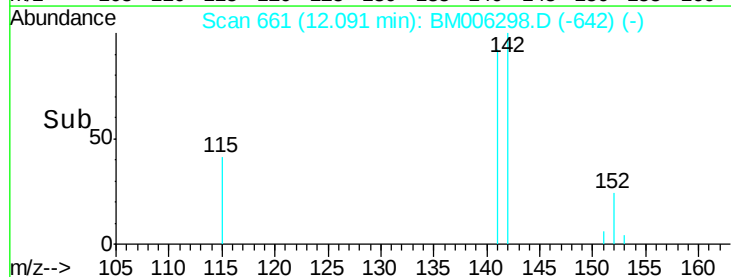
200

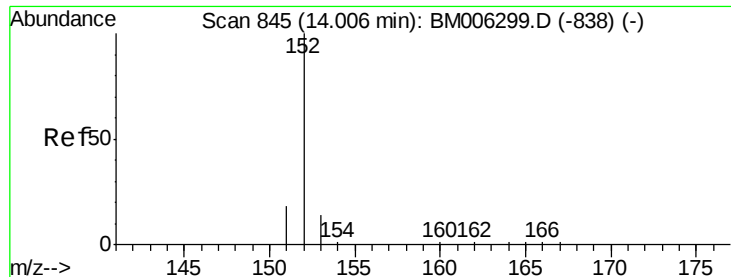
100

0

12.00 12.10 12.20

Time-->





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

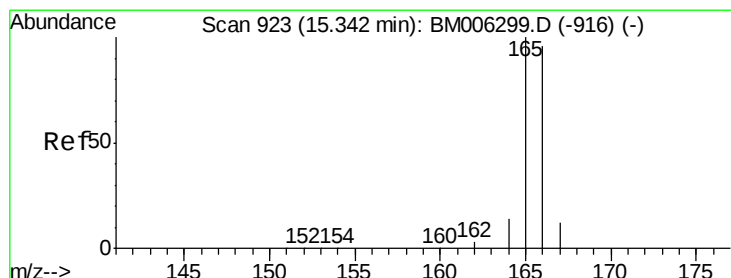
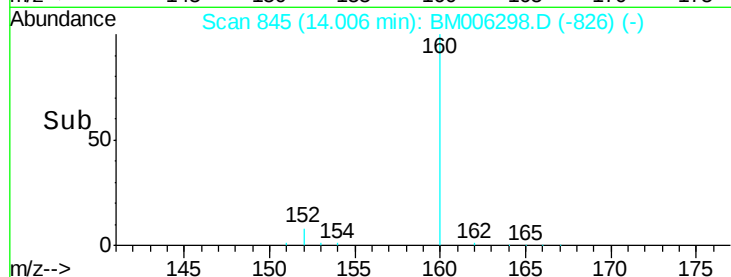
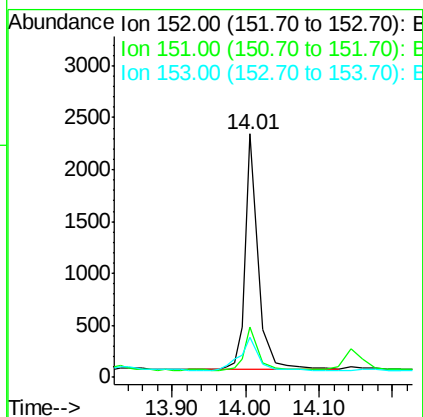
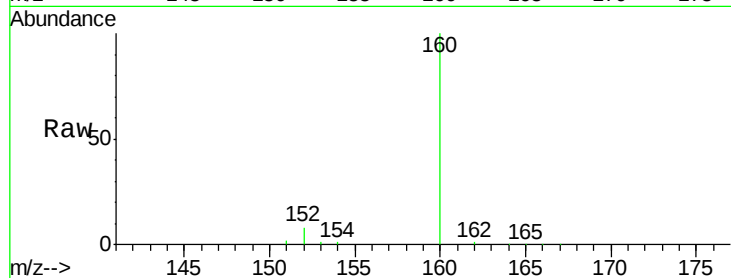
A4TW0

Tot Ion:	152	Resp:	2722
Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.6	26.4
153	16.6	9.7	14.5

Manual Integrations

umangi

7/7/2016 6:05:31 PM



#11

Fluorene

Concen: 0.03 ng/ul

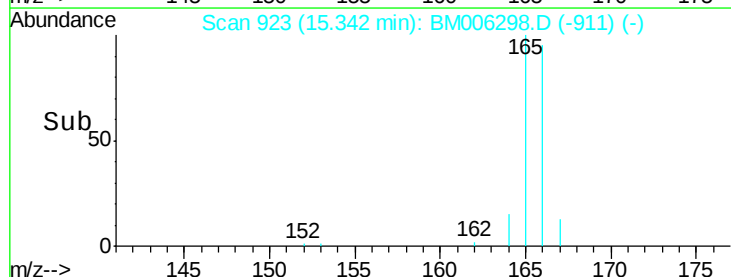
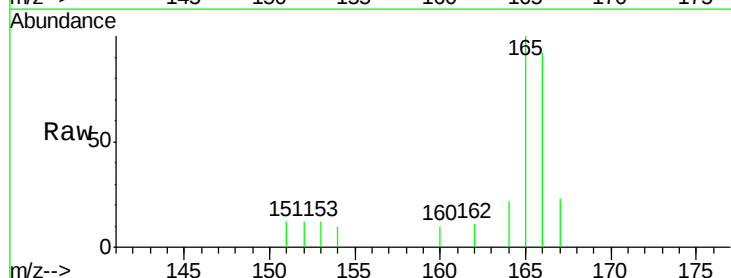
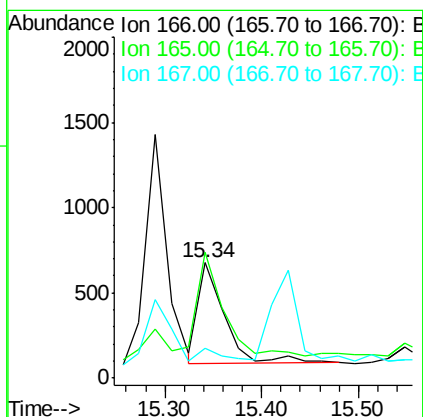
RT: 15.34 min Scan# 923

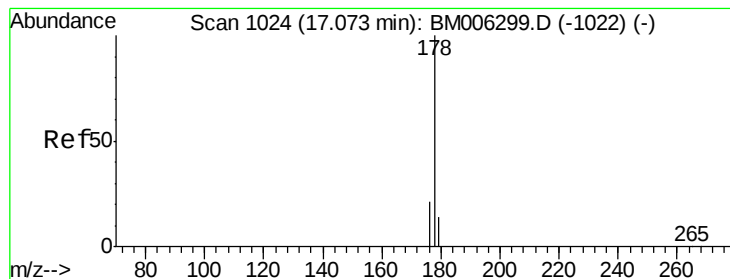
Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Tgt Ion:	166	Resp:	1111
Ion	Ratio	Lower	Upper
166	100		
165	108.7	69.6	104.4
167	25.5	11.9	17.9





#14

Phenanthrene

Concen: 0.43 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

Tot Ion:178 Resp: 25444

Ion Ratio Lower Upper

178 100

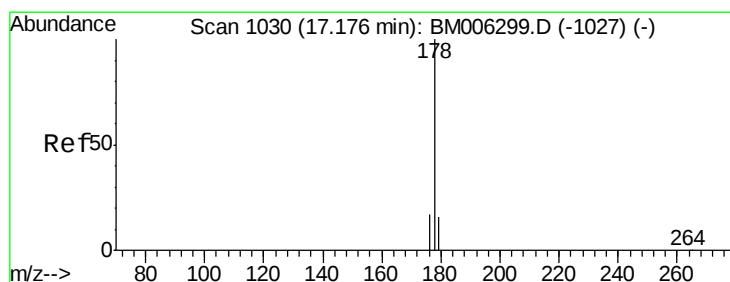
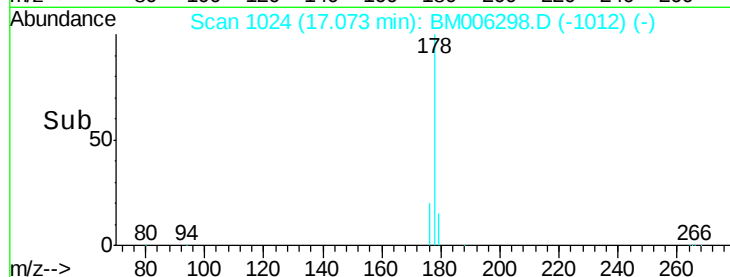
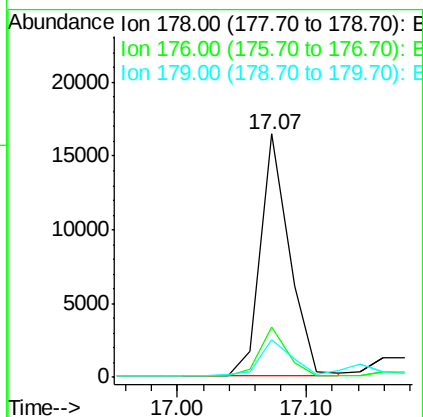
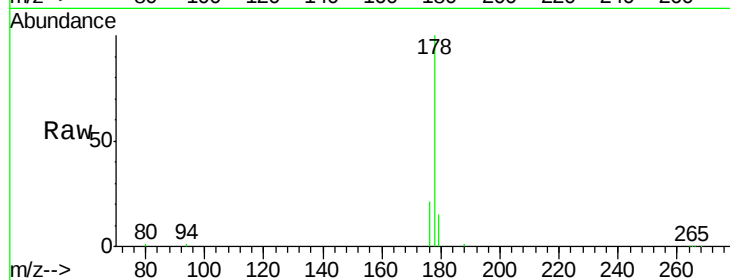
176 20.5 13.0 19.4#

179 15.3 14.2 21.2

Manual Integrations

umangi

7/7/2016 6:05:31 PM



#15

Anthracene

Concen: 0.05 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

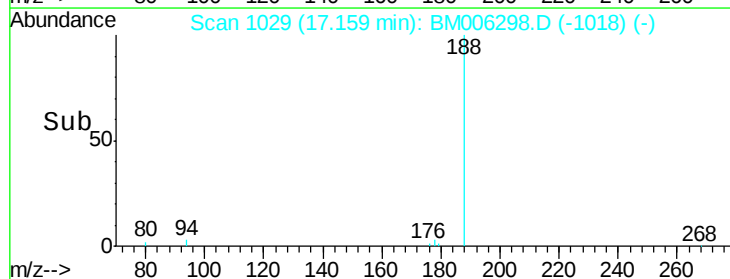
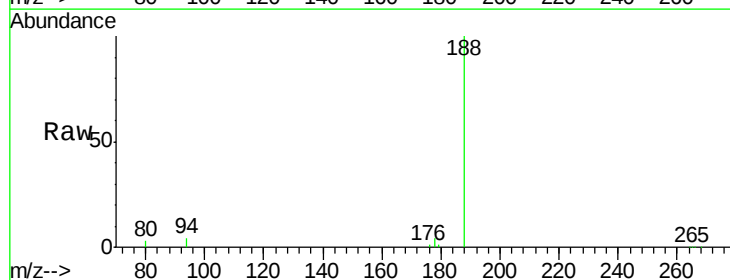
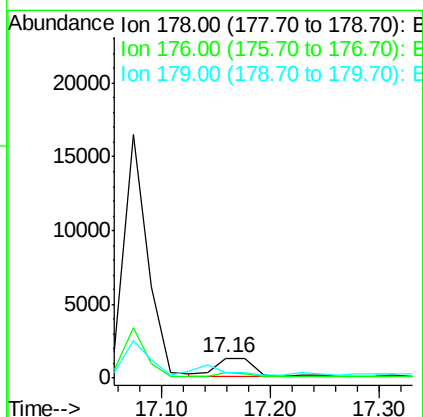
Tgt Ion:178 Resp: 2970

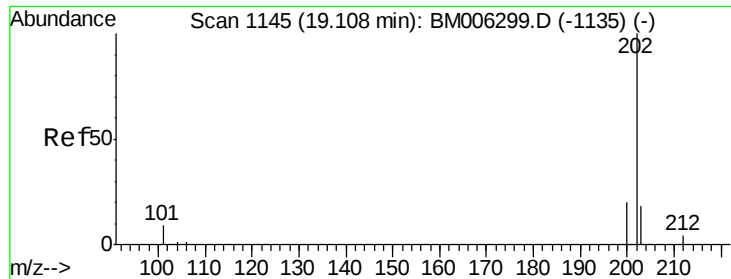
Ion Ratio Lower Upper

178 100

176 26.4 14.0 21.0#

179 29.7 12.9 19.3#





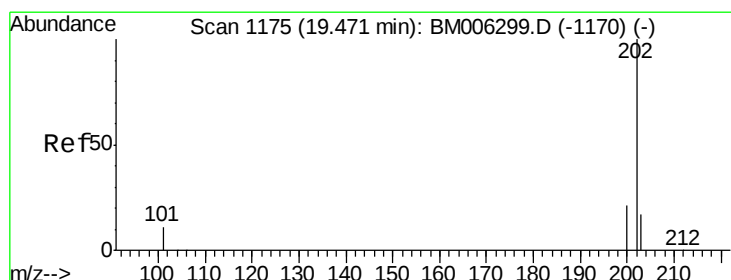
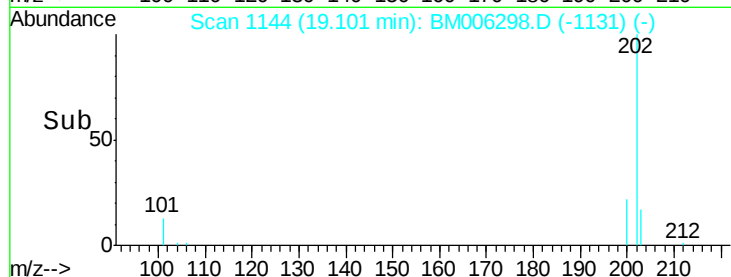
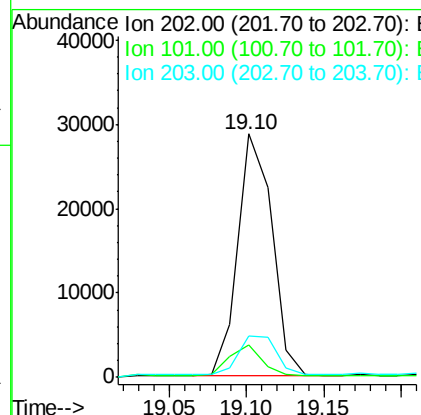
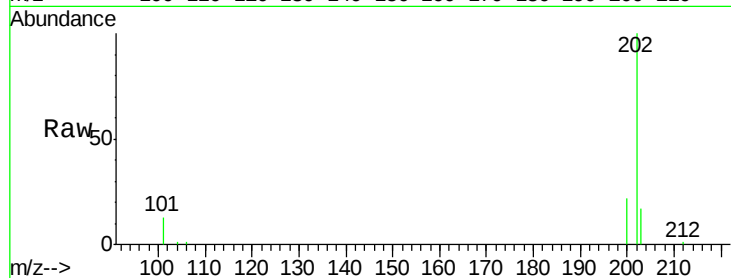
#17
Fluoranthene
 Concen: 0.68 ng/ul
 RT: 19.10 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BM006298.D
 Acq: 07 Jul 2016 00:28

Instrument :
 BNA_M
 ClientSampleId :
 A4TW0

Tot Ion:202	Resp:	44161
Ion Ratio	Lower	Upper
202	100	
101	13.2	0.0 29.6
203	17.2	0.0 36.3

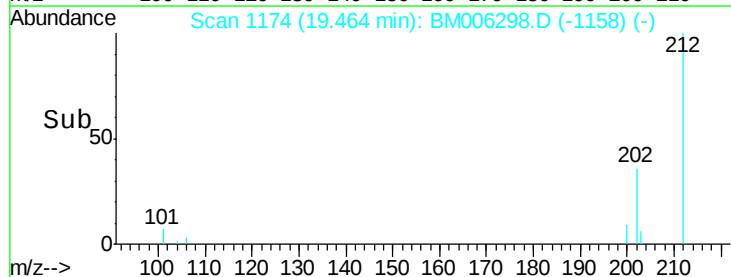
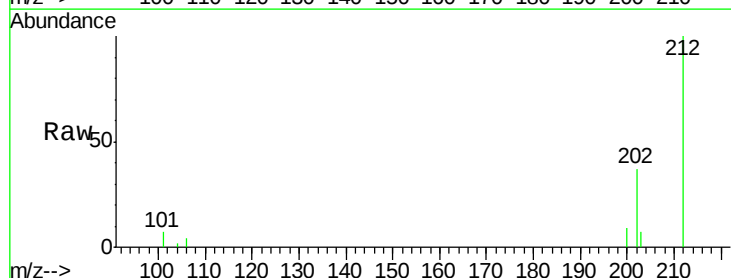
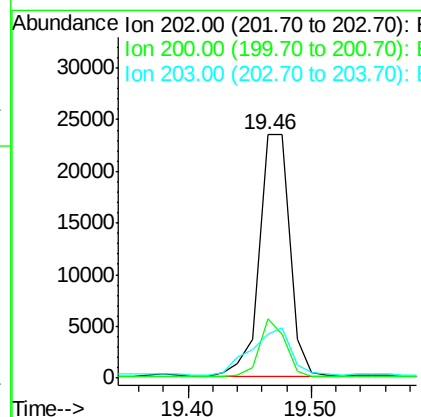
Manual Integrations

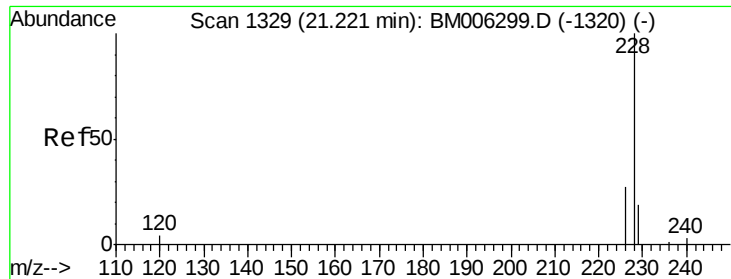
umangi
 7/7/2016 6:05:31 PM



#19
Pyrene
 Concen: 0.70 ng/ul
 RT: 19.46 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BM006298.D
 Acq: 07 Jul 2016 00:28

Tgt Ion:202	Resp:	40527
Ion Ratio	Lower	Upper
202	100	
200	24.1	17.8 26.8
203	17.8	12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.30 ng/ul m

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

Tot Ion:228 Resp: 13239

Ion Ratio Lower Upper

228 100

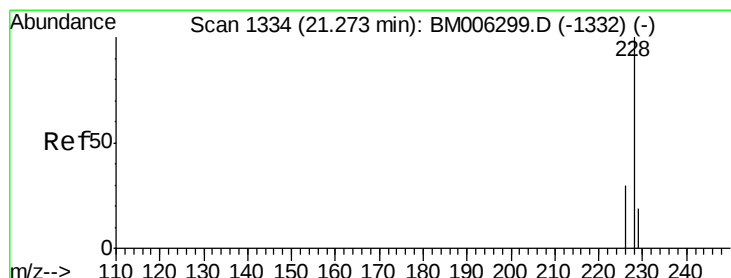
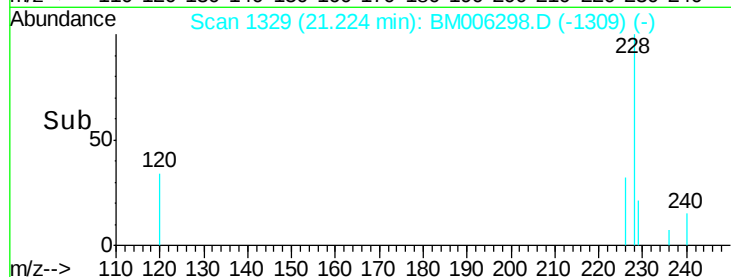
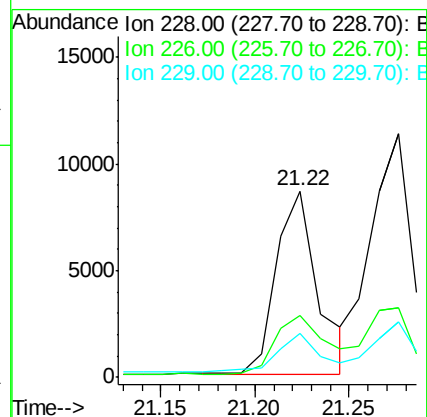
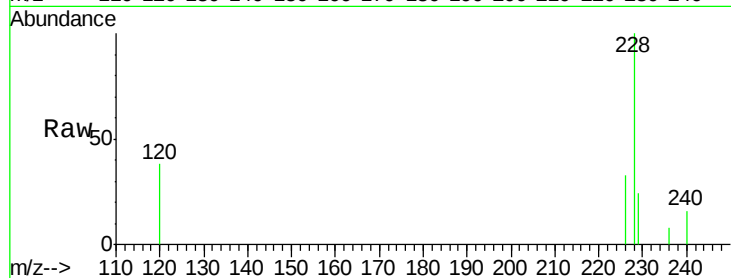
226 33.1 18.8 28.2#

229 23.6 17.1 25.7

Manual Integrations

umangi

7/7/2016 6:05:31 PM



#21

Chrysene

Concen: 0.38 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

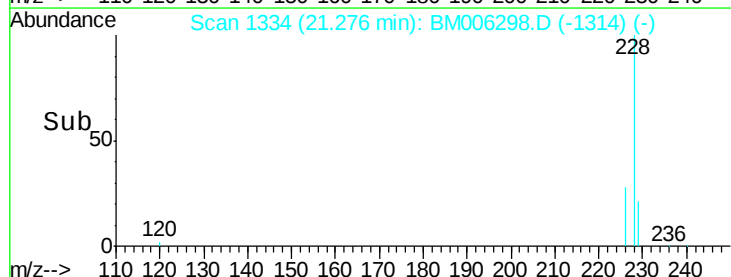
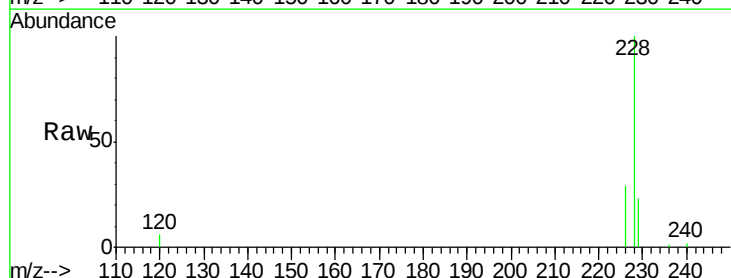
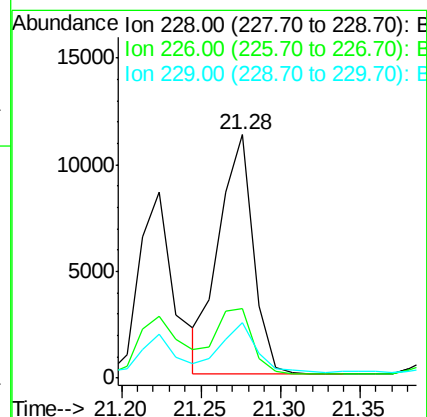
Tgt Ion:228 Resp: 16758

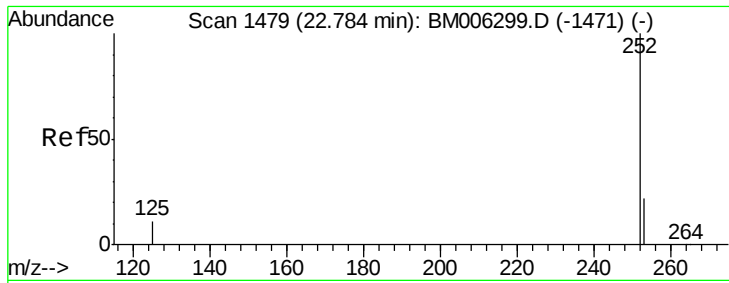
Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

229 22.8 17.0 25.6





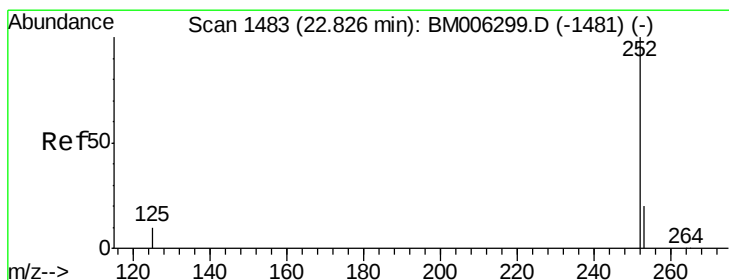
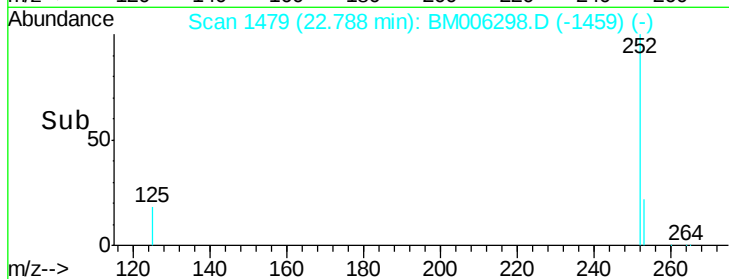
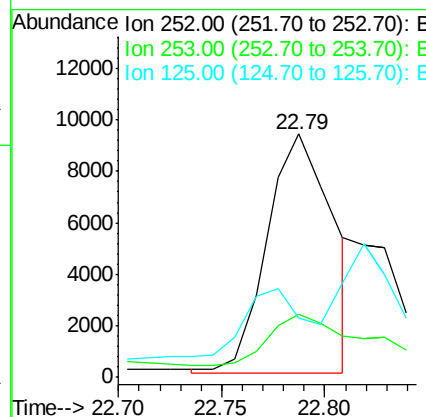
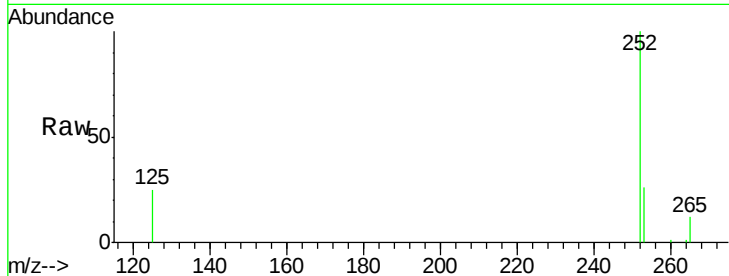
#23
Benzo(b)fluoranthene
Concen: 0.42 ng/ul m
RT: 22.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BM006298.D
Acq: 07 Jul 2016 00:28

Instrument :
BNA_M
ClientSampleId :
A4TW0

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	0.0	45.4
125	24.5	0.0	28.8

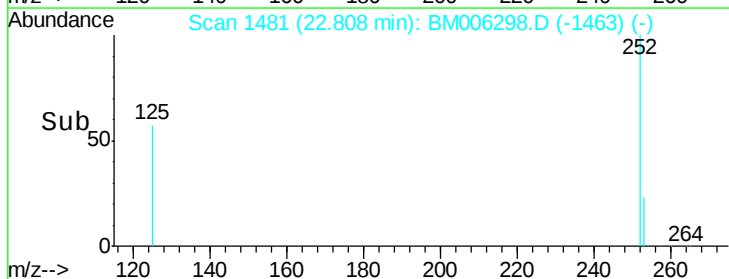
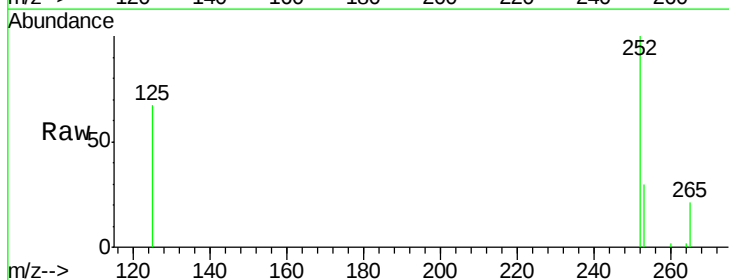
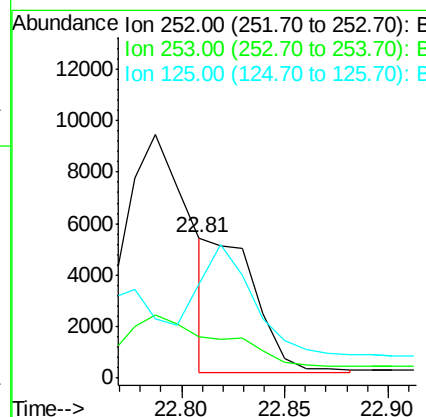
Manual Integrations

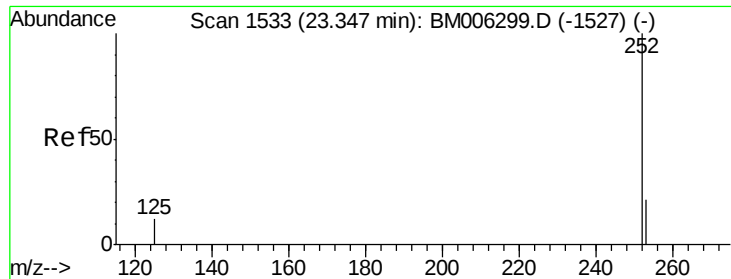
umangi
7/7/2016 6:05:31 PM



#24
Benzo(k)fluoranthene
Concen: 0.18 ng/ul m
RT: 22.81 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BM006298.D
Acq: 07 Jul 2016 00:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	19.8	29.8#
125	66.8	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.34 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. 0.00 min

Lab File: BM006298.D

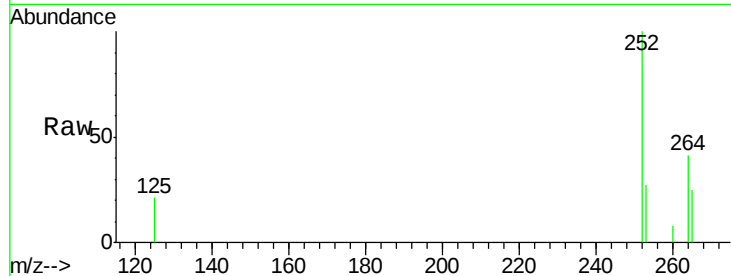
Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampled :

A4TW0

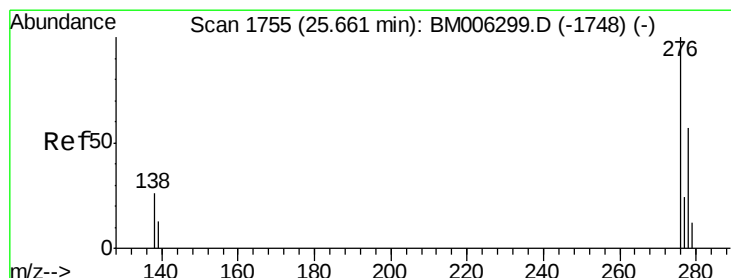
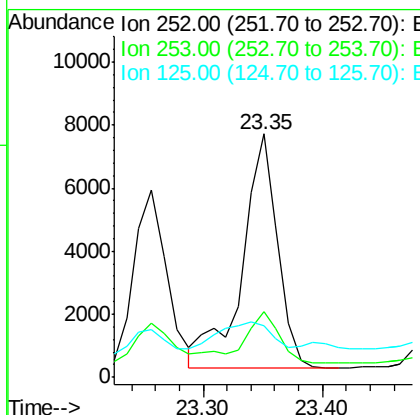
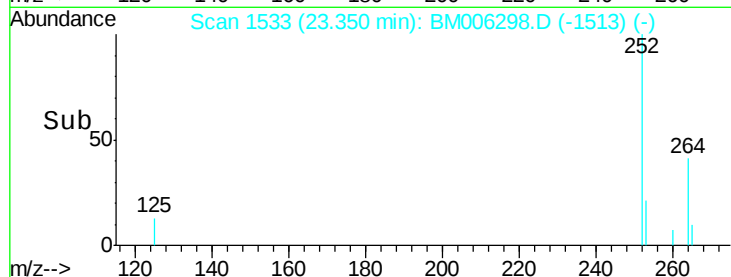


Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.4	29.2
125	21.4	12.7	19.1#

Manual Integrations

umangi

7/7/2016 6:05:31 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng/ul

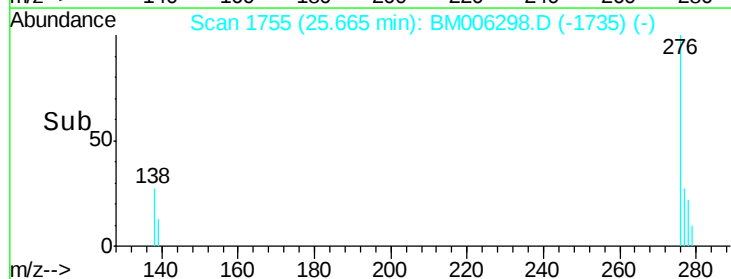
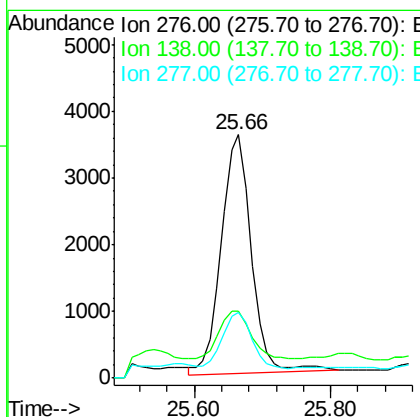
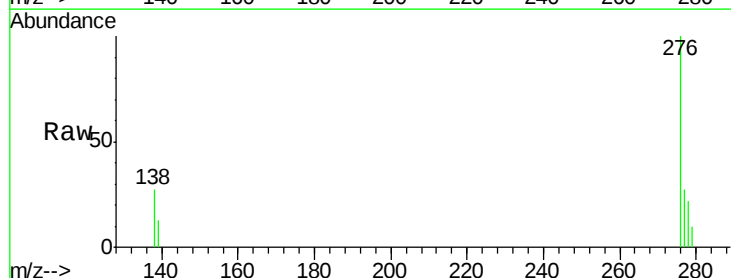
RT: 25.66 min Scan# 1755

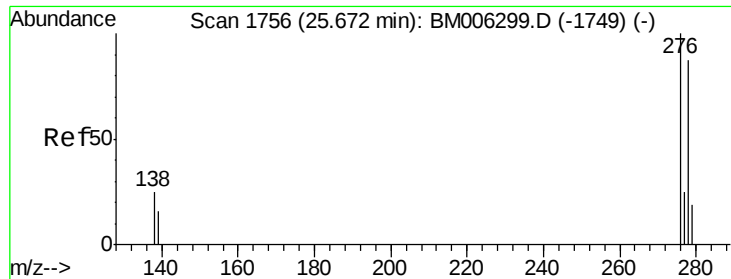
Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.3	16.3	24.5#
277	27.5	19.8	29.8





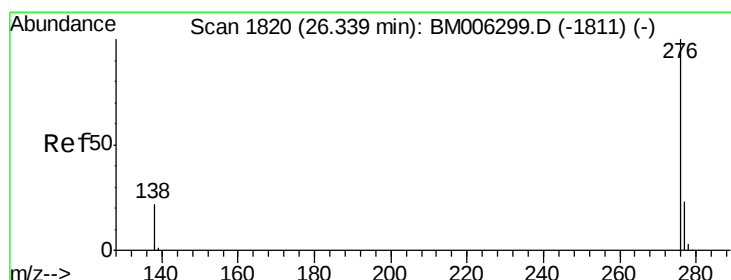
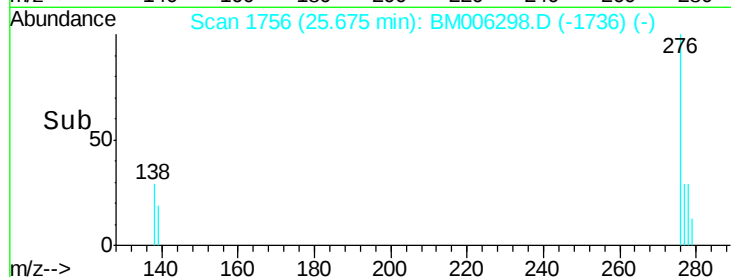
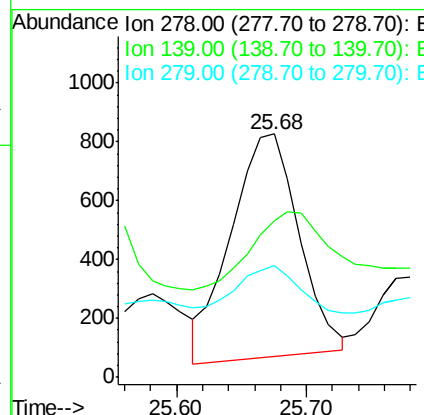
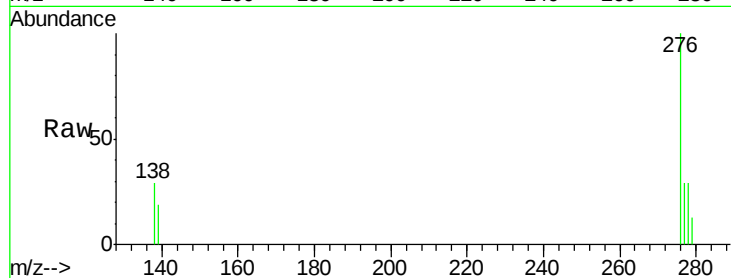
#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.68 min Scan# 1756
Delta R.T. 0.00 min
Lab File: BM006298.D
Acq: 07 Jul 2016 00:28

Instrument :
BNA_M
ClientSampleId :
A4TW0

Tot Ion:278 Resp: 2756
Ion Ratio Lower Upper
278 100
139 64.2 16.4 24.6#
279 45.9 20.2 30.2#

Manual Integrations

umangi
7/7/2016 6:05:31 PM



#28
Benzo(g,h,i)perylene
Concen: 0.23 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM006298.D
Acq: 07 Jul 2016 00:28

Tgt Ion:276 Resp: 9865
Ion Ratio Lower Upper
276 100
277 26.7 18.9 28.3
138 27.8 22.5 33.7

