

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070816\
 Data File : BM006336.D
 Acq On : 08 Jul 2016 01:19
 Operator : UM/SJ
 Sample : H3811-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW4

Manual Integrations

umangi
 7/8/2016 7:14:17 PM

Quant Time: Jul 08 07:57:51 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5206	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20299	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	11281	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	23299	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	14940	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	12075m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	3705	1.68	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	3864	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	13545	0.28	ng/ul	-0.01
Target Compounds				Ovalue		
5) Naphthalene	10.46	128	3950	0.08	ng/ul#	91
7) 2-Methylnaphthalene	12.09	142	1976	0.06	ng/ul	97
9) Acenaphthylene	14.01	152	30261	0.80	ng/ul	92
10) Acenaphthene	14.35	153	3100	0.08	ng/ul#	87
11) Fluorene	15.34	166	6640	0.16	ng/ul	84
13) Pentachlorophenol	16.70	266	131	0.04	ng/ul	96
14) Phenanthrene	17.07	178	121096	1.88	ng/ul#	93
15) Anthracene	17.16	178	25967m	0.43	ng/ul	
17) Fluoranthene	19.11	202	290677	4.09	ng/ul	92
19) Pyrene	19.47	202	315048	5.04	ng/ul	96
20) Benzo(a)anthracene	21.22	228	124355	2.57	ng/ul#	91
21) Chrysene	21.27	228	148026	3.12	ng/ul	96
23) Benzo(b)fluoranthene	22.79	252	147152m	3.40	ng/ul	
24) Benzo(k)fluoranthene	22.82	252	40953m	1.02	ng/ul	
25) Benzo(a)pyrene	23.35	252	112401m	2.79	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.66	276	81724m	1.83	ng/ul	
27) Dibenzo(a,h)anthracene	25.67	278	20729m	0.60	ng/ul	
28) Benzo(a,h,i)perylene	26.35	276	74400m	1.97	ng/ul	

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

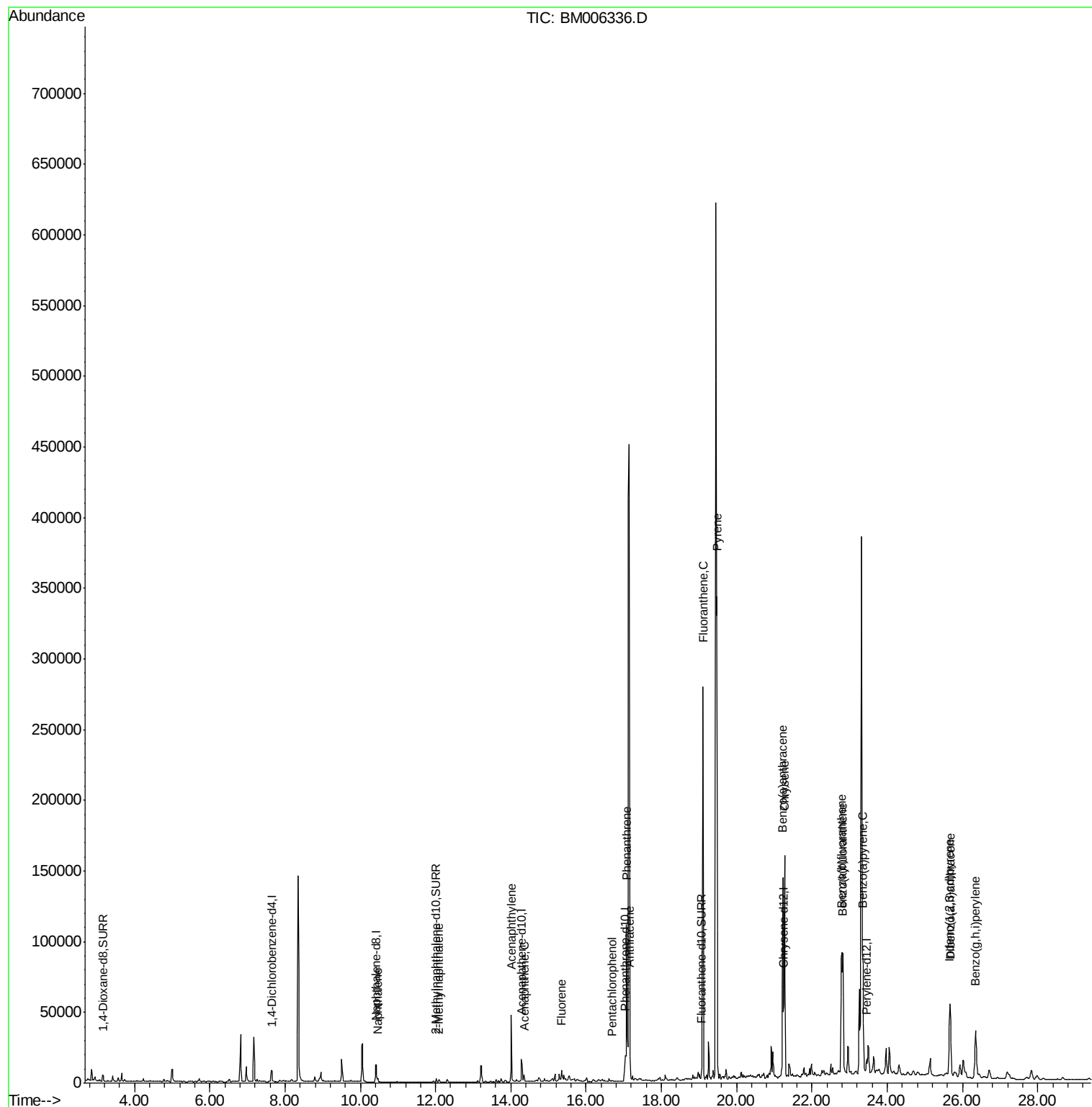
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070816\
Data File : BM006336.D
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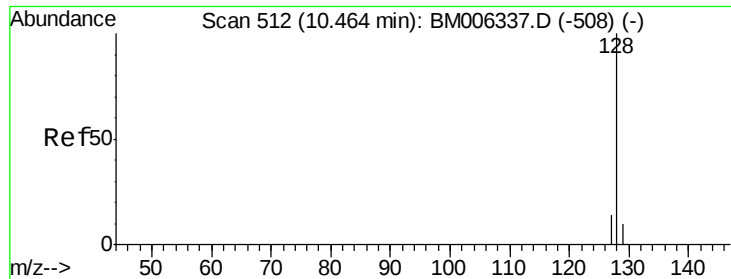
Instrument :
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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

Tot Ion:128 Resp: 3950

Ion Ratio Lower Upper

128 100

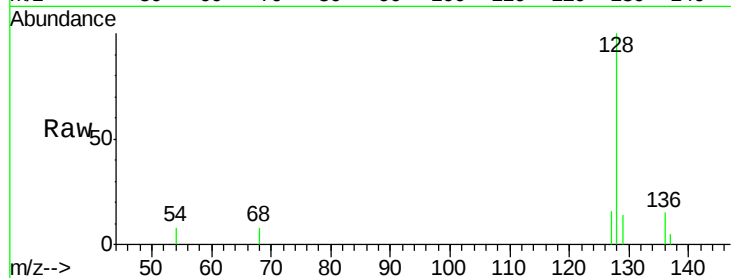
129 14.2 9.0 13.6#

127 16.1 9.6 14.4#

Manual Integrations

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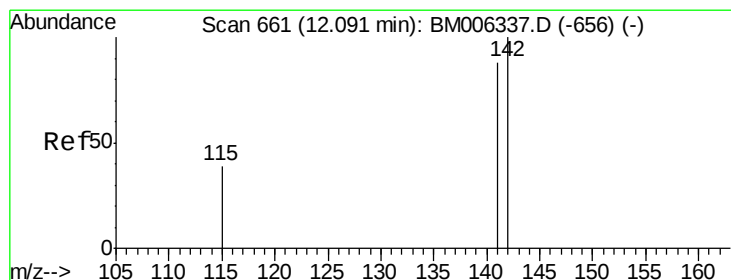
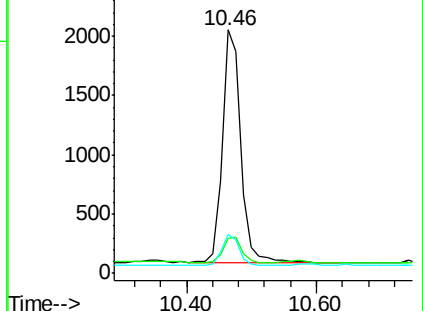
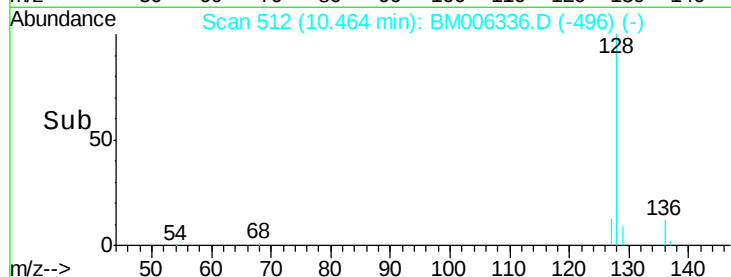
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006336.D

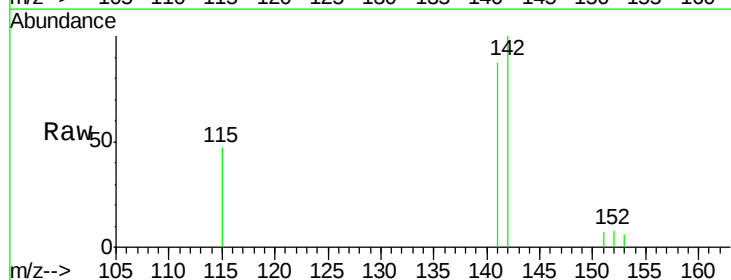
Acq: 08 Jul 2016 01:19

Tgt Ion:142 Resp: 1976

Ion Ratio Lower Upper

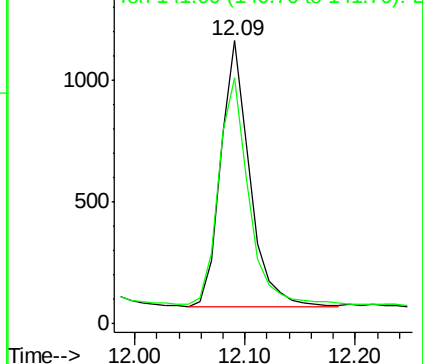
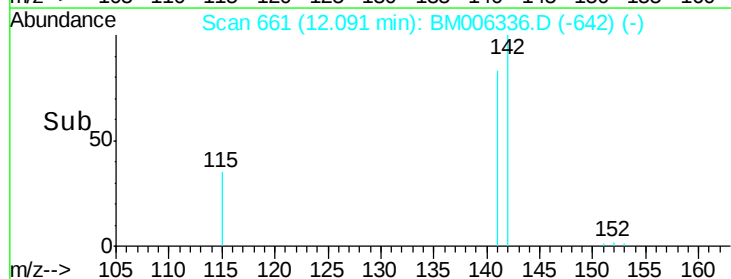
142 100

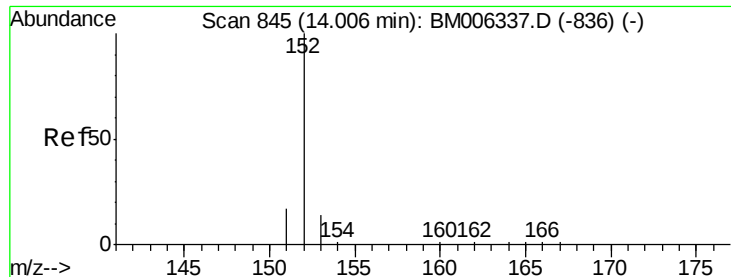
141 90.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.80 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

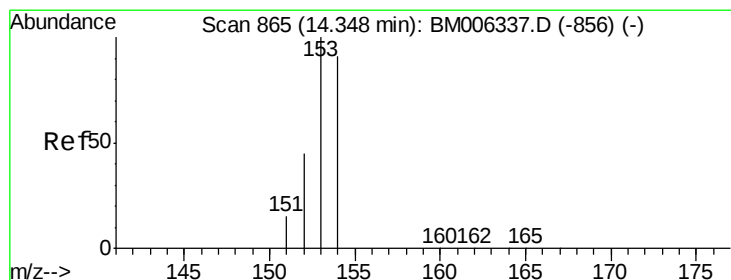
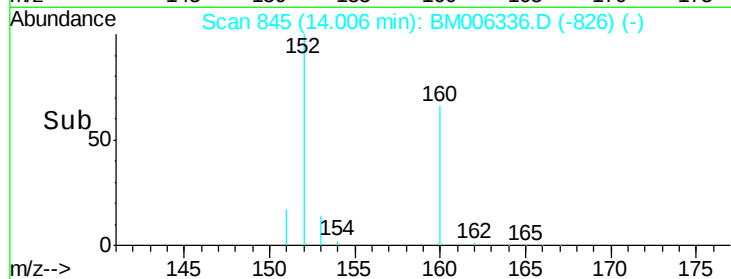
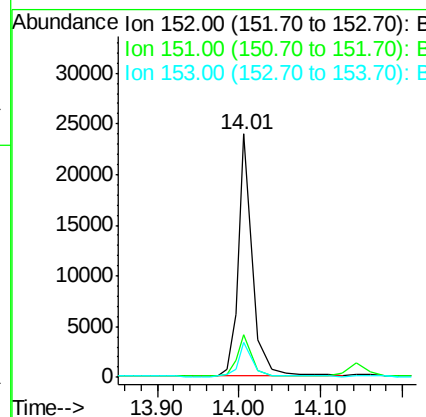
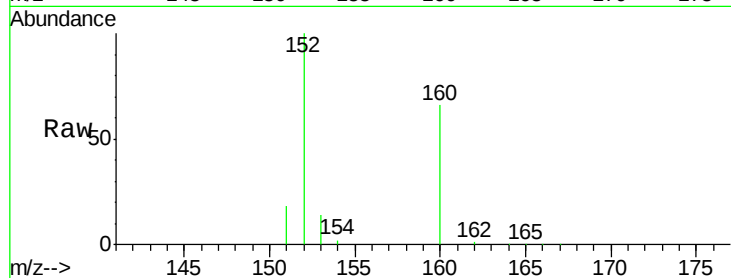
A4TW4

Tot Ion:	152	Resp:	30261
Ion	Ratio	Lower	Upper
152	100		
151	17.8	17.6	26.4
153	14.3	9.7	14.5

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#10

Acenaphthene

Concen: 0.08 ng/ul

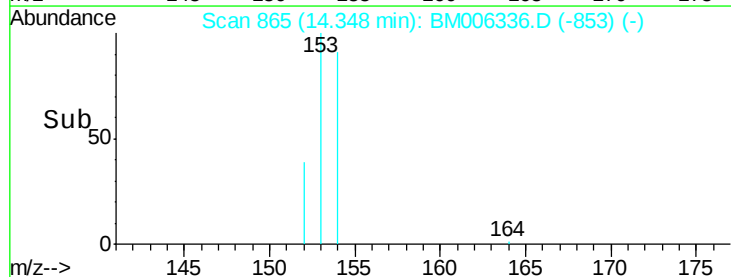
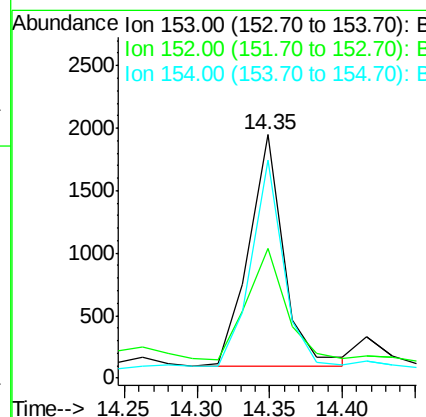
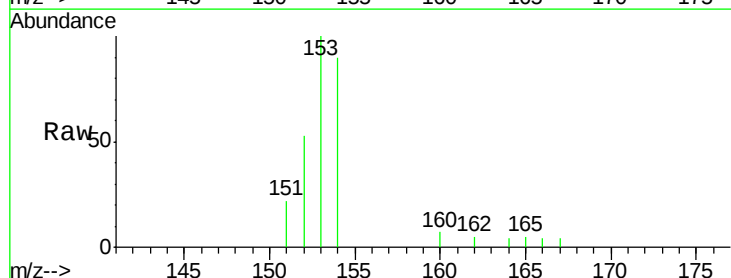
RT: 14.35 min Scan# 865

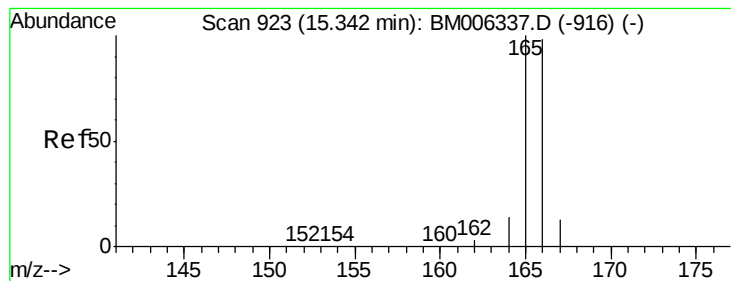
Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Tgt Ion:	153	Resp:	3100
Ion	Ratio	Lower	Upper
153	100		
152	53.1	33.9	50.9#
154	89.7	80.6	121.0





#11

Fluorene

Concen: 0.16 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

Tot Ion:166 Resp: 6640

Ion Ratio Lower Upper

166 100

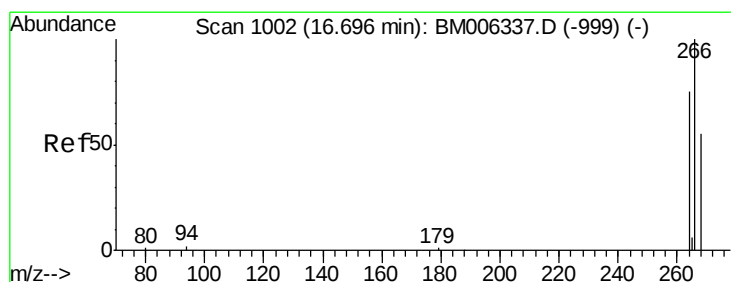
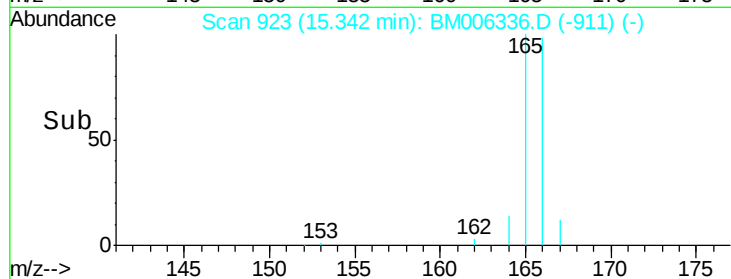
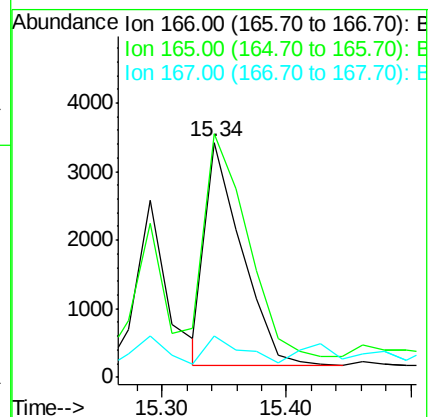
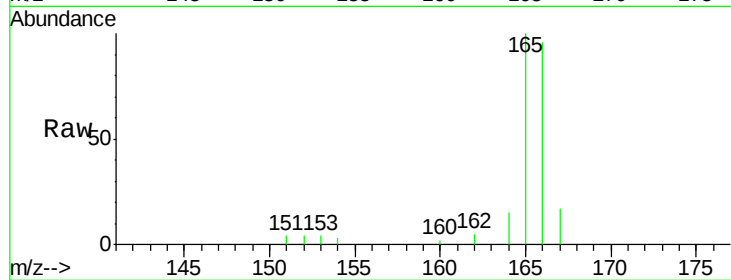
165 103.6 69.6 104.4

167 17.5 11.9 17.9

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#13

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.70 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

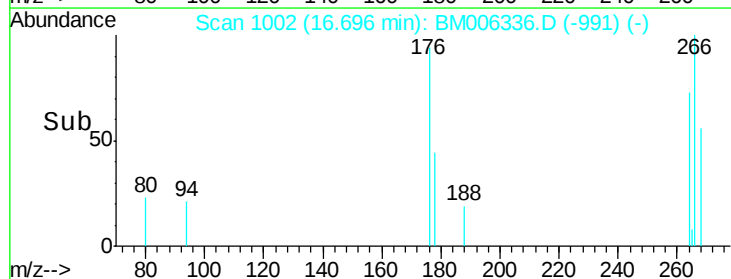
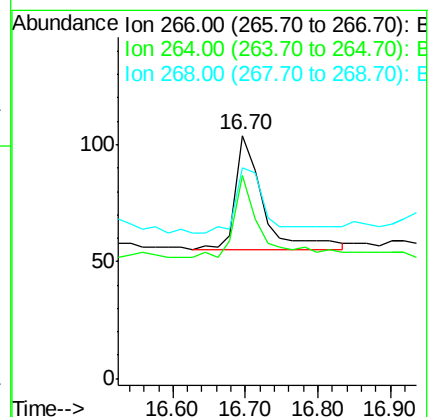
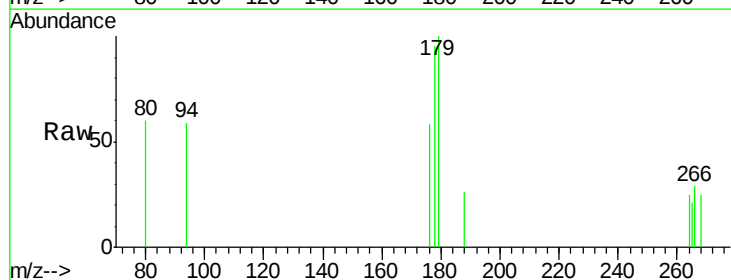
Tgt Ion:266 Resp: 131

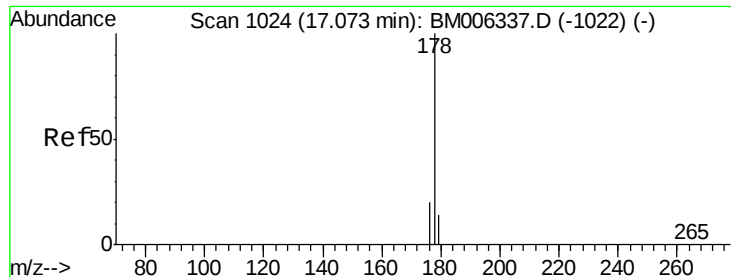
Ion Ratio Lower Upper

266 100

264 65.6 51.8 77.8

268 63.4 46.8 70.2





#14

Phenanthrene

Concen: 1.88 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampled :

A4TW4

Tot Ion:178 Resp: 121096

Ion Ratio Lower Upper

178 100

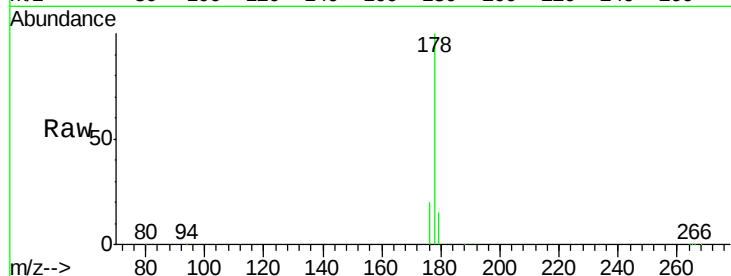
176 19.9 13.0 19.4#

179 14.9 14.2 21.2

Manual Integrations

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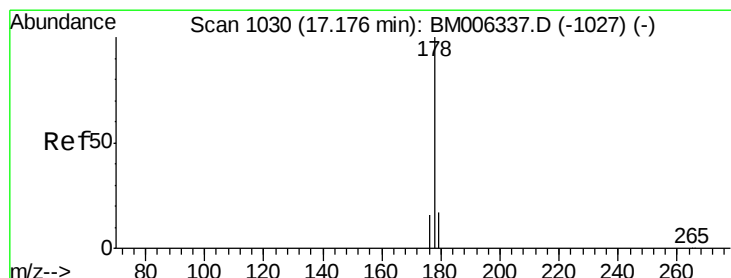
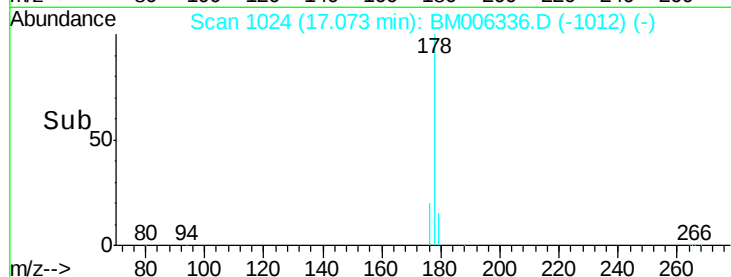
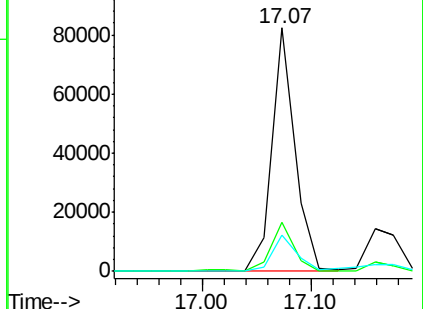
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.43 ng/ul m

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Tgt Ion:178 Resp: 25967

Ion Ratio Lower Upper

178 100

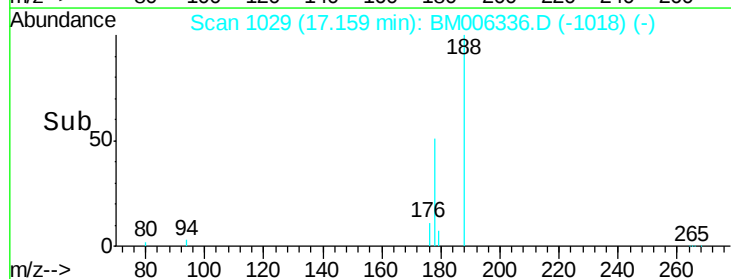
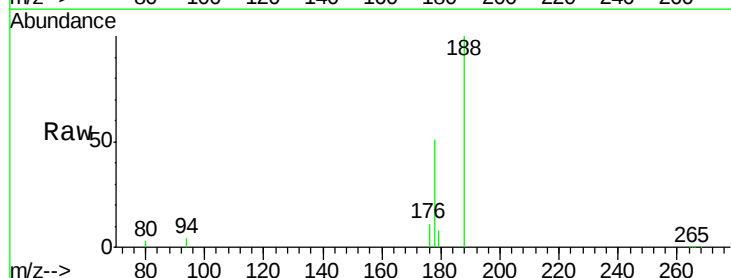
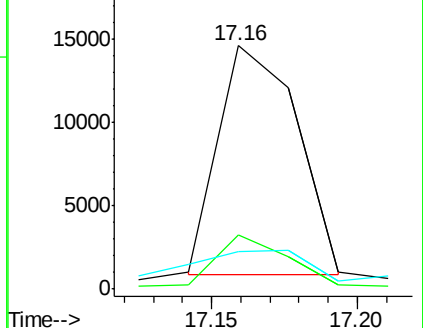
176 22.2 14.0 21.0#

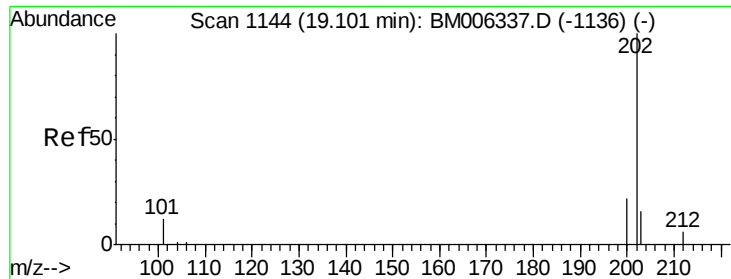
179 15.5 12.9 19.3

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





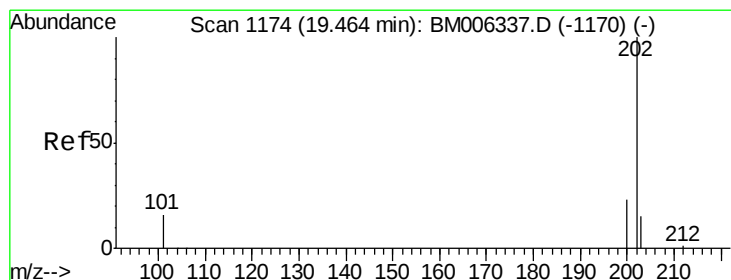
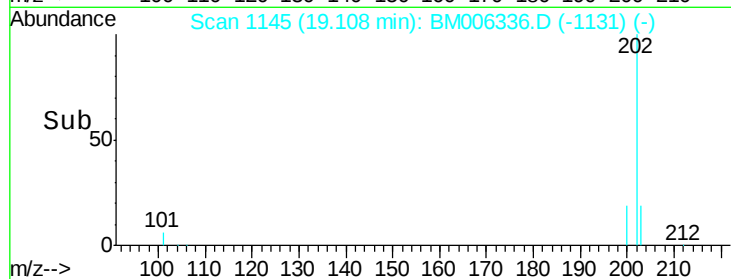
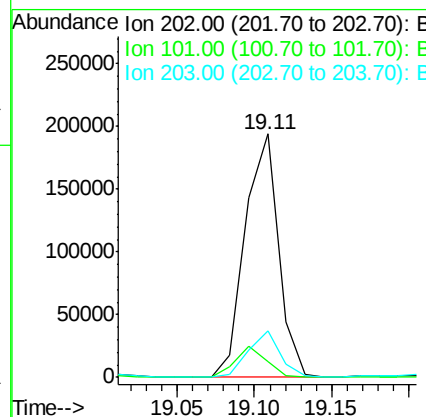
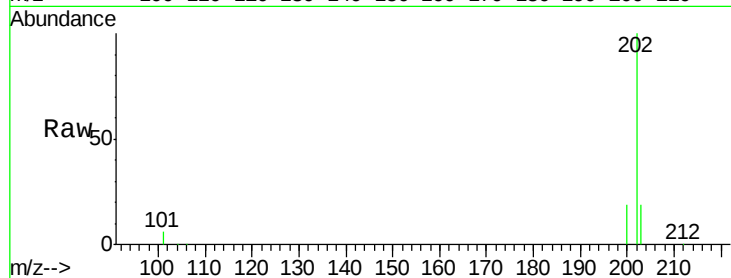
#17
Fluoranthene
Concen: 4.09 ng/ul
RT: 19.11 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Instrument :
BNA_M
ClientSampleId :
A4TW4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		290677		
101	6.3	0.0	29.6		
203	19.2	0.0	36.3		

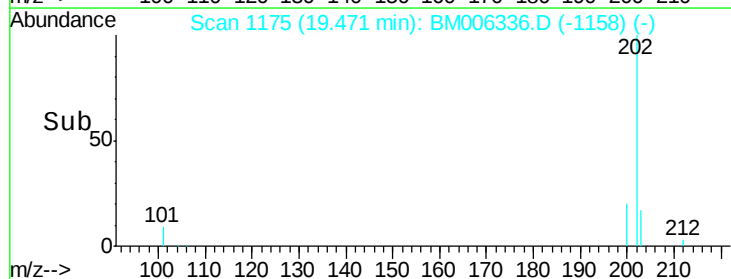
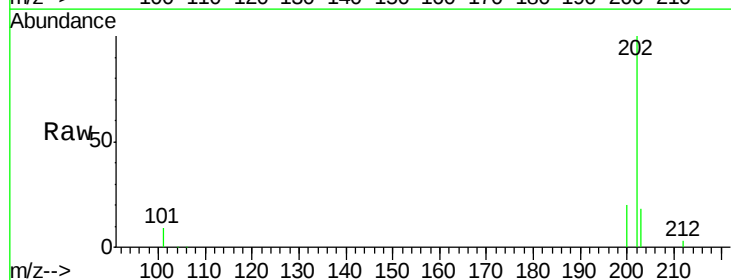
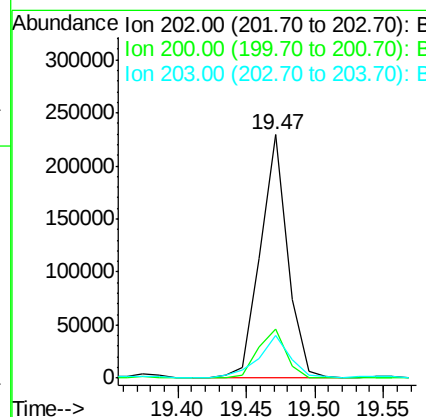
Manual Integrations

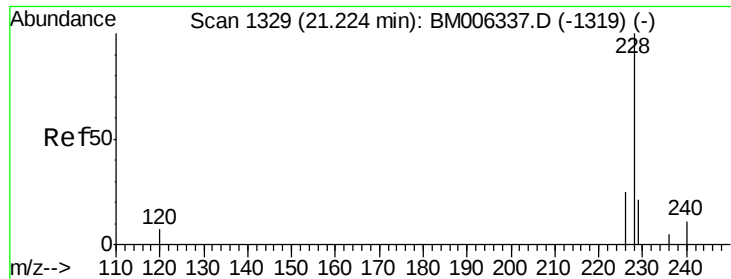
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#19
Pyrene
Concen: 5.04 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		315048		
200	20.0	17.8	26.8		
203	17.7	12.8	19.2		





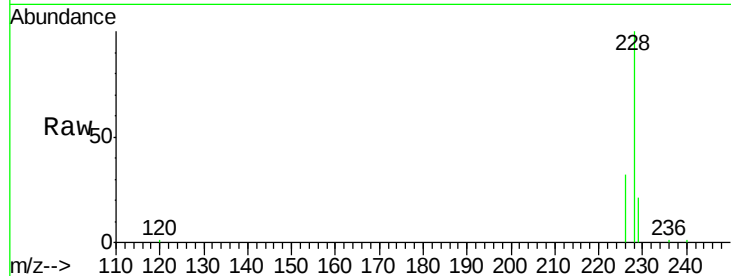
#20
Benzo(a)anthracene
Concen: 2.57 ng/ul
RT: 21.22 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Instrument :
BNA_M
ClientSampleId :
A4TW4

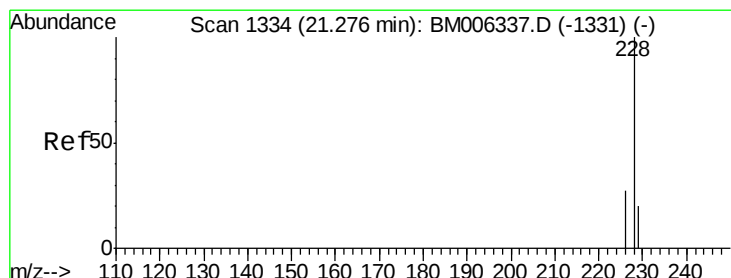
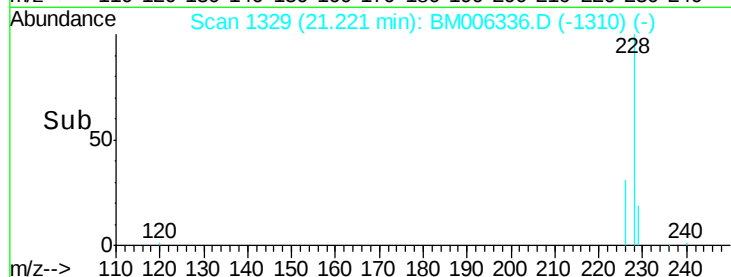
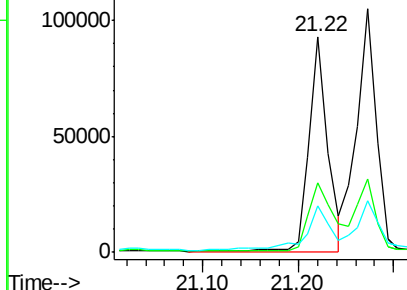
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	18.8	28.2
229	21.3	17.1	25.7

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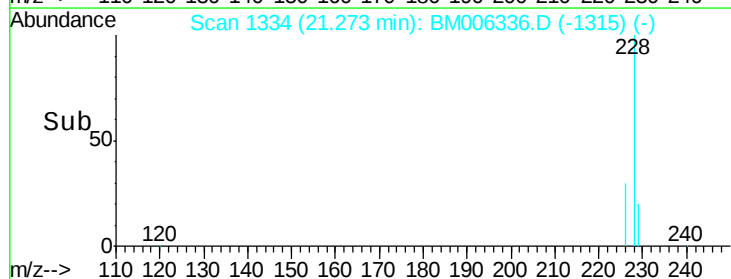
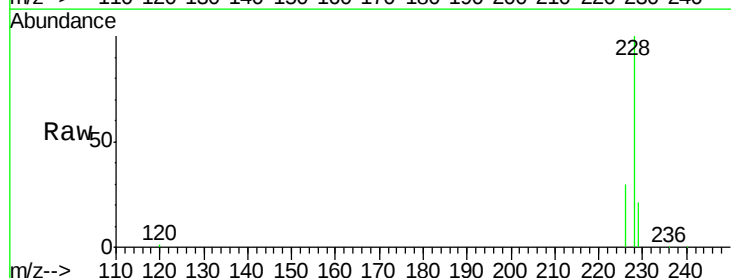
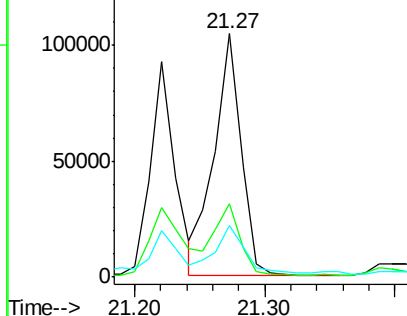
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

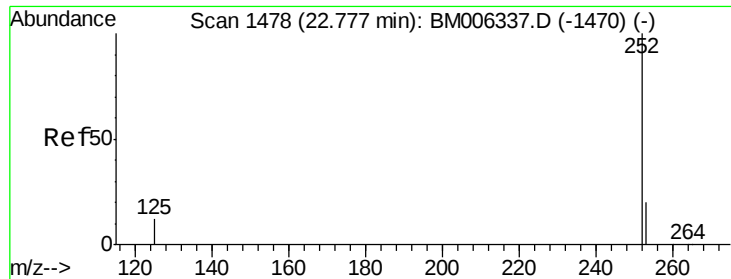


#21
Chrysene
Concen: 3.12 ng/ul
RT: 21.27 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.2	31.8
229	21.4	17.0	25.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 3.40 ng/ul m

RT: 22.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM006336.D

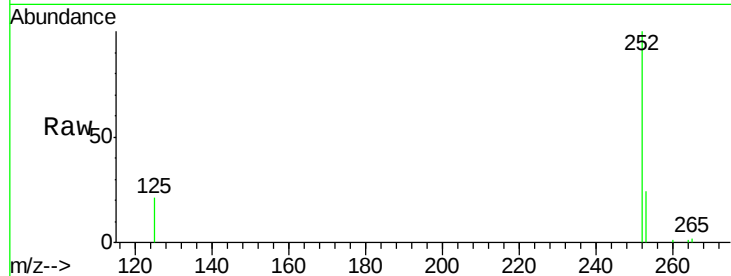
Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

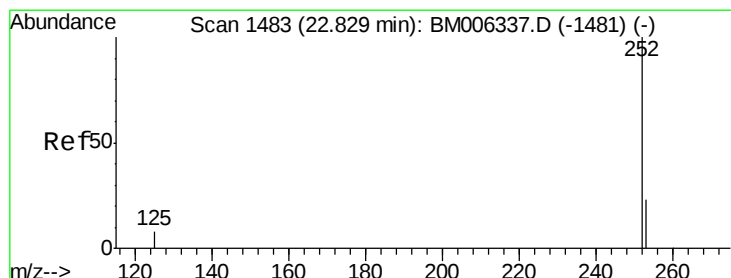
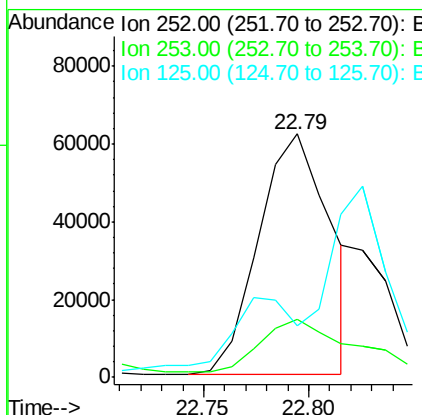
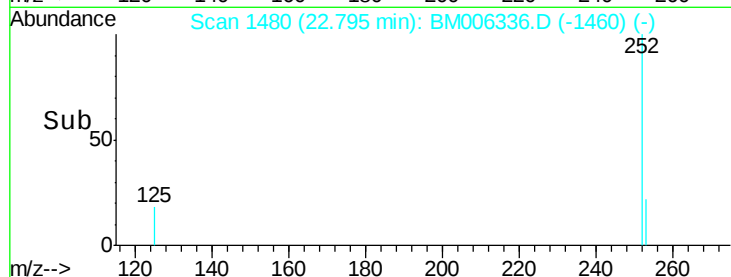


Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		147152		
253	23.8	0.0	45.4		
125	21.0	0.0	28.8		

Manual Integrations

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#24

Benzo(k)fluoranthene

Concen: 1.02 ng/ul m

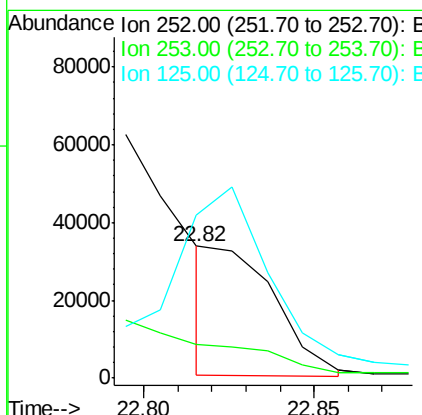
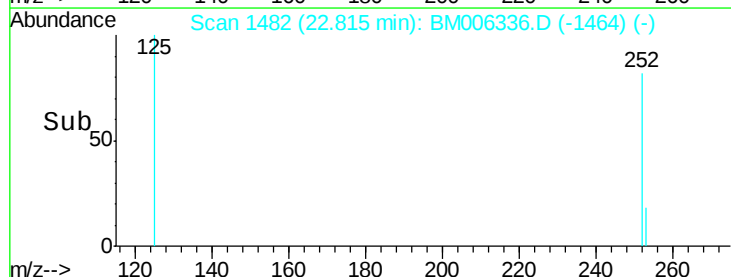
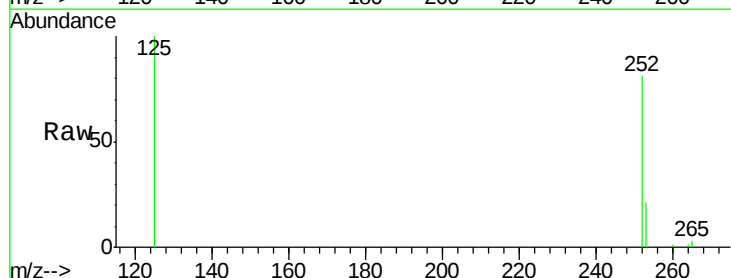
RT: 22.82 min Scan# 1482

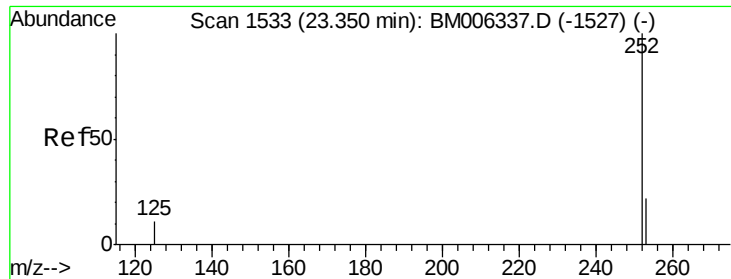
Delta R.T. -0.01 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100		40953		
253	25.4	19.8	29.8		
125	123.6	10.4	15.6		





#25

Benzo(a)pyrene

Concen: 2.79 ng/ul m

RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006336.D

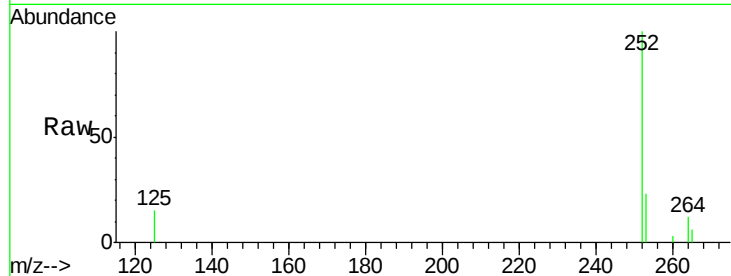
Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

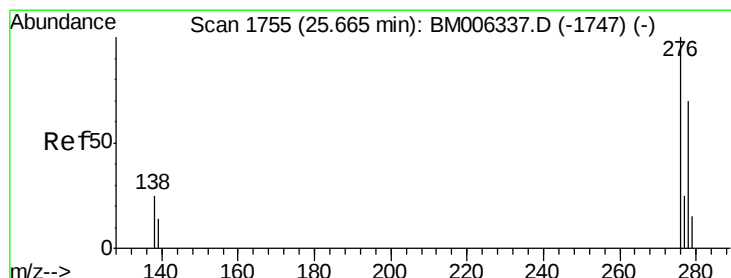
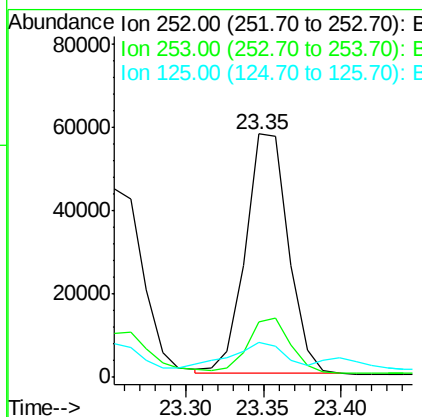
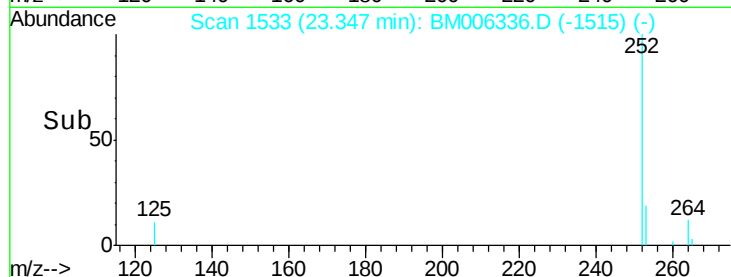


Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.4	29.2
125	14.5	12.7	19.1

Manual Integrations

umangi

7/8/2016 7:14:17 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.83 ng/ul m

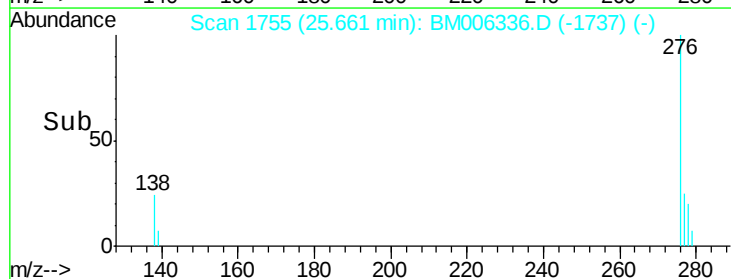
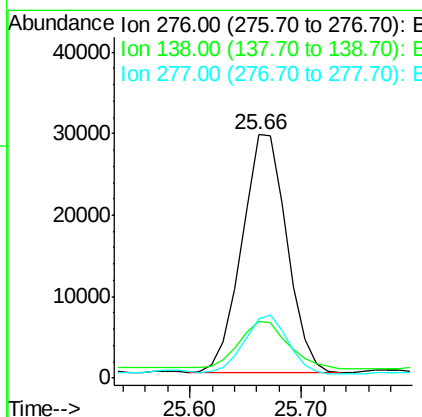
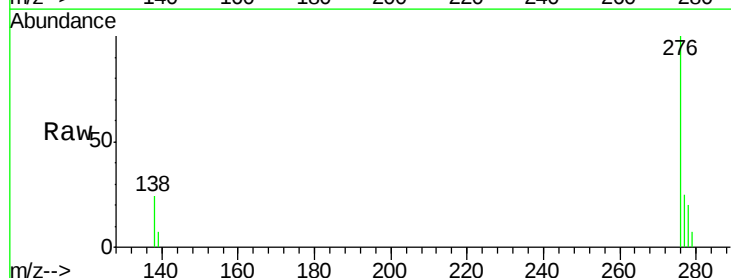
RT: 25.66 min Scan# 1755

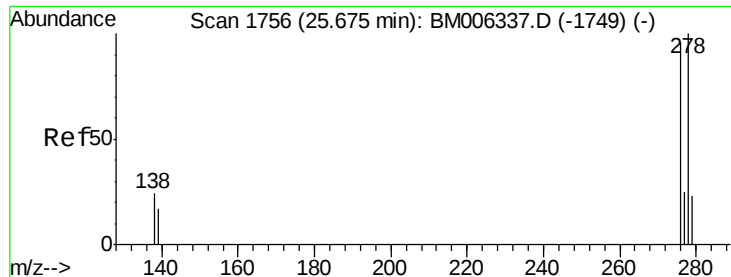
Delta R.T. -0.01 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	16.3	24.5
277	19.7	19.8	29.8#





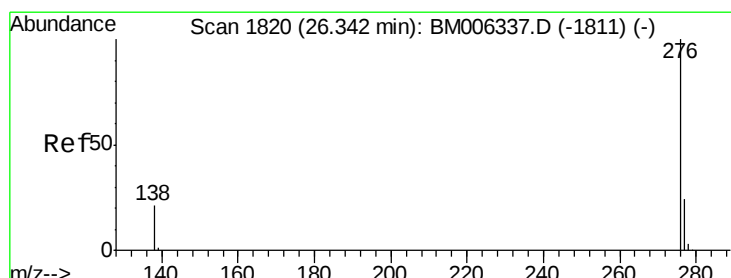
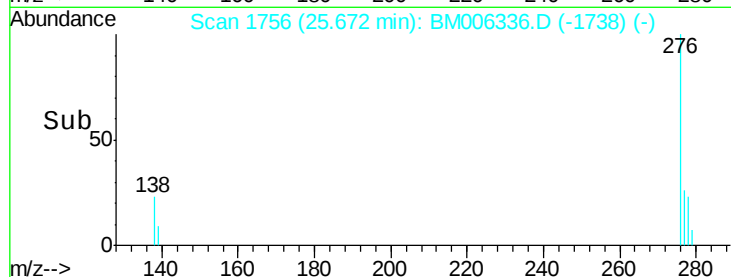
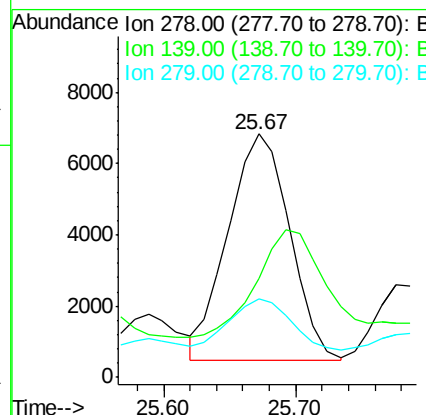
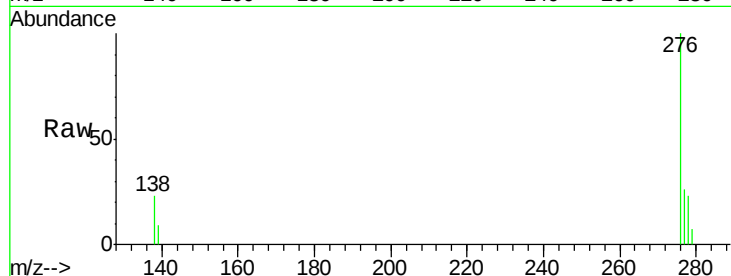
#27
Dibenzo(a,h)anthracene
Concen: 0.60 ng/ul m
RT: 25.67 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Instrument :
BNA_M
ClientSampleId :
A4TW4

Tot Ion	Ratio	Lower	Upper
278	100		
139	40.5	16.4	24.6#
279	32.2	20.2	30.2#

Manual Integrations

umangi
7/8/2016 7:14:17 PM



#28
Benzo(g,h,i)perylene
Concen: 1.97 ng/ul m
RT: 26.35 min Scan# 1821
Delta R.T. 0.01 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	23.2	22.5	33.7

