

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032416\
 Data File : BM004767.D
 Acq On : 25 Mar 2016 01:38
 Operator : UM/SJ
 Sample : H1909-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T47

Manual Integrations
 APPROVED

Sohil
 3/25/2016 2:59:55 PM

Quant Time: Mar 25 03:09:50 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	66060	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	274218	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	141502	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	305374	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	244610	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	226956	5.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	4800	0.15	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1795	0.01	ng/ul	0.00
16) Fluoranthene-d10	19.25	212	3808	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.67	128	12725	0.02	ng/ul	97
7) 2-Methylnaphthalene	12.28	142	9958	0.02	ng/ul	99
9) Acenaphthylene	14.18	152	6530	0.01	ng/ul#	96
10) Acenaphthene	14.52	153	6118	0.01	ng/ul	84
11) Fluorene	15.51	166	9813m	0.02	ng/ul	
14) Phenanthrene	17.24	178	207613	0.25	ng/ul#	92
17) Fluoranthene	19.27	202	124026	0.14	ng/ul	97
19) Pyrene	19.63	202	195704	0.23	ng/ul	98
20) Benzo(a)anthracene	21.38	228	30061	0.05	ng/ul#	89
21) Chrysene	21.43	228	52866	0.07	ng/ul	96
23) Benzo(b)fluoranthene	23.00	252	48583m	0.06	ng/ul	
24) Benzo(k)fluoranthene	23.04	252	15708m	0.02	ng/ul	
25) Benzo(a)pyrene	23.59	252	35587	0.05	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	26.02	276	18537	0.02	ng/ul#	89
28) Benzo(a,h,i)perylene	26.73	276	17916	0.03	ng/ul#	87

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

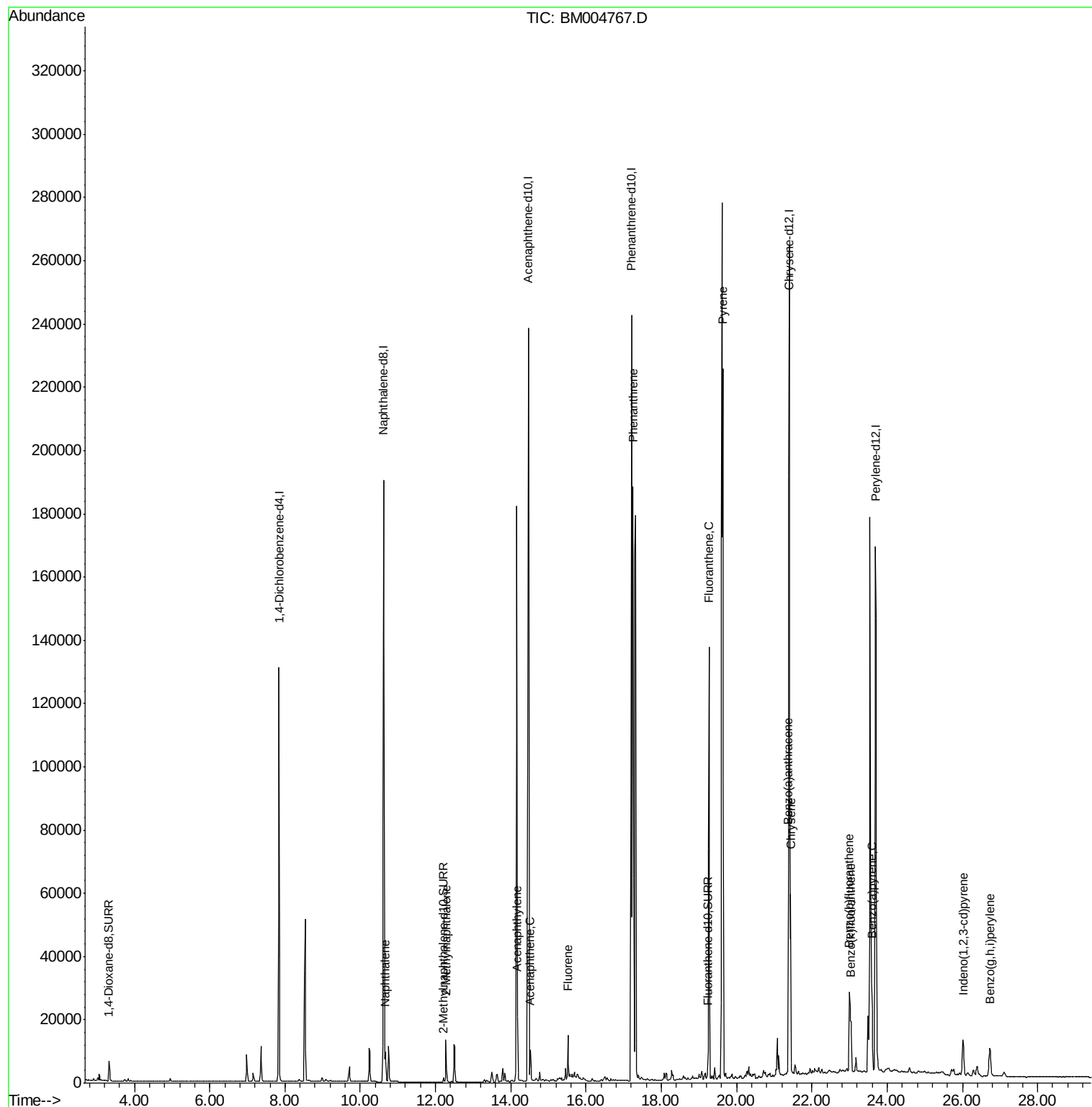
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032416\
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ALS Vial : 18 Sample Multiplier: 1

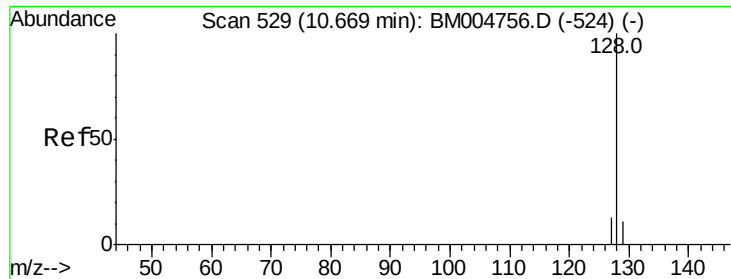
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 03:18:48 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Instrument :

BNA_M

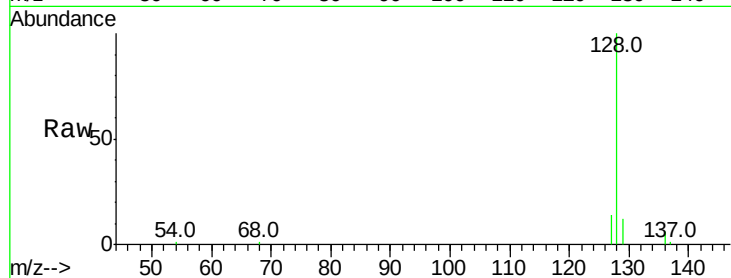
ClientSampleId :

A4T47

Tot Ion:	128	Resp:	12725
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.6
127	13.8	9.6	14.4

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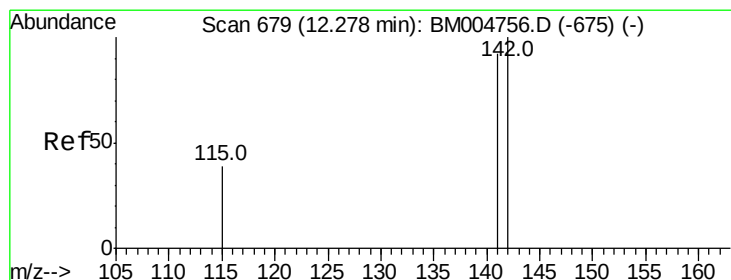
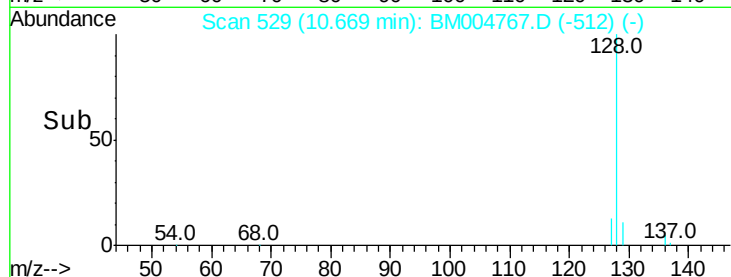
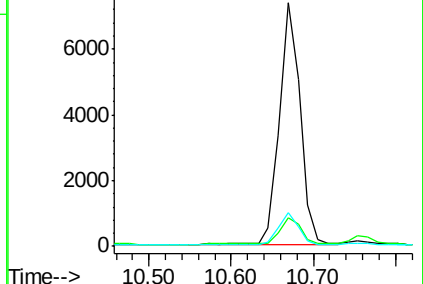
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

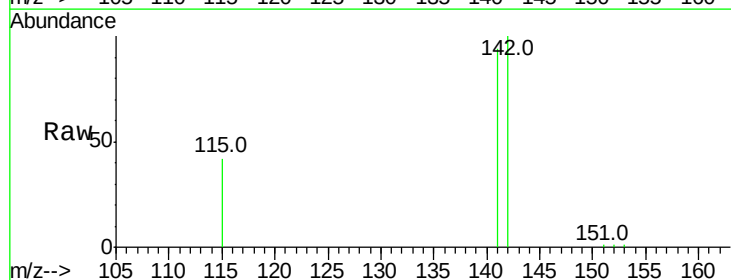
RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004767.D

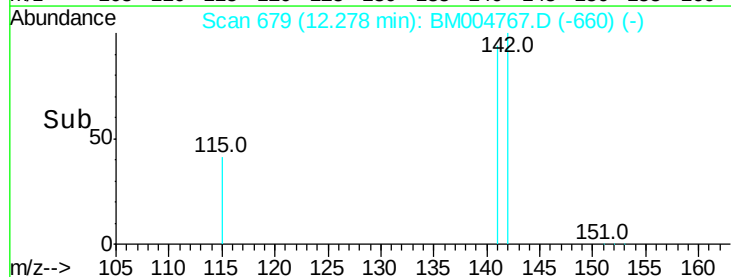
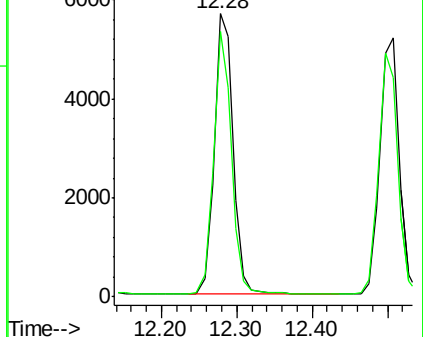
Acq: 25 Mar 2016 01:38

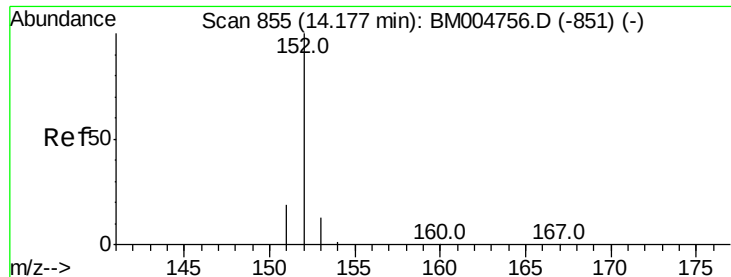
Tgt Ion:	142	Resp:	9958
Ion Ratio	Lower	Upper	
142	100		
141	88.4	70.3	105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Instrument :

BNA_M

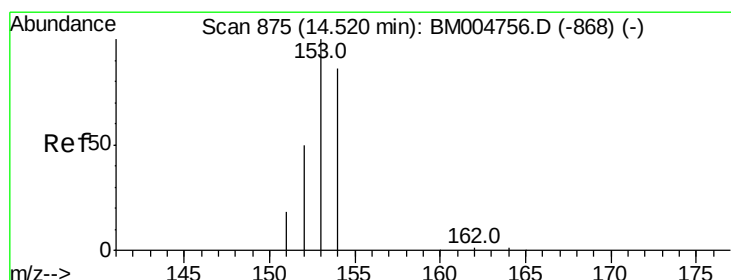
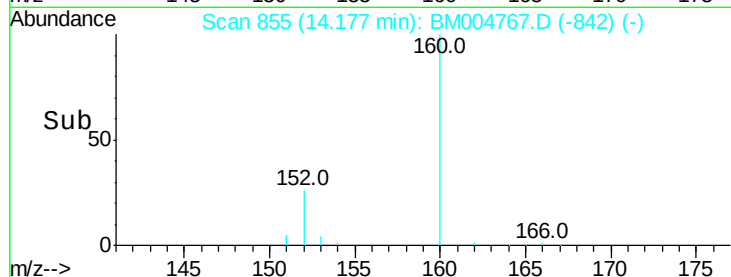
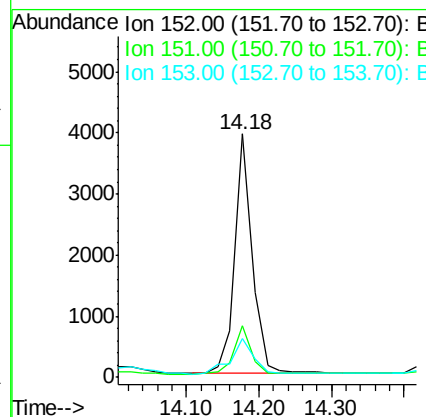
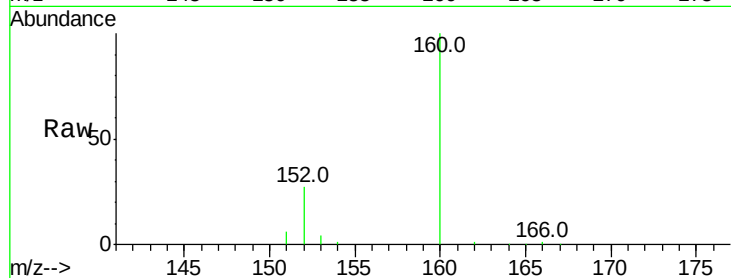
ClientSampled :

A4T47

Tot Ion:	152	Resp:	6530
Ion Ratio	Lower	Upper	
152	100		
151	21.3	17.6	26.4
153	15.7	9.7	14.5#

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#10

Acenaphthene

Concen: 0.01 ng/ul

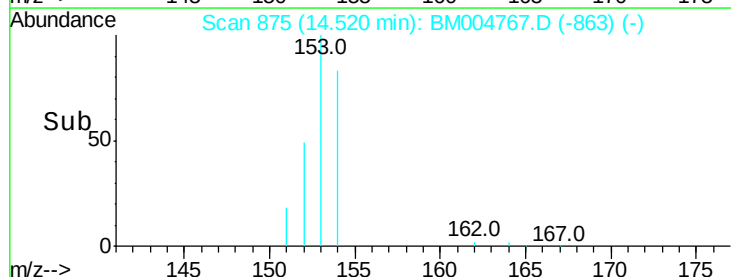
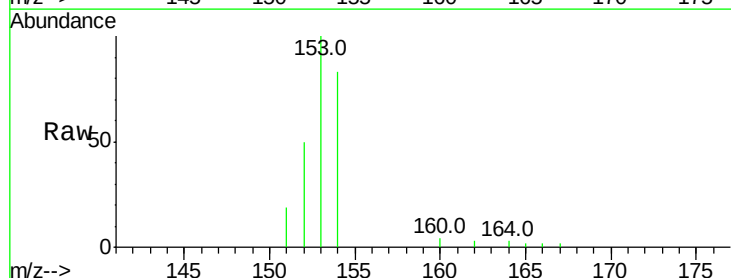
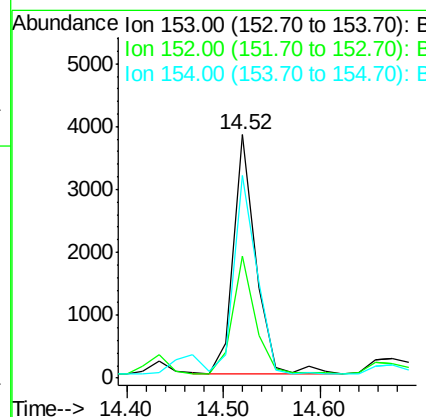
RT: 14.52 min Scan# 875

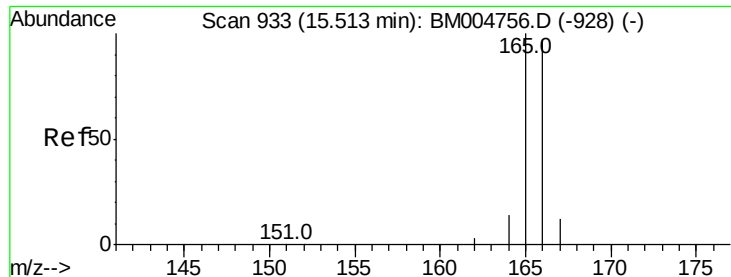
Delta R.T. 0.00 min

Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Tgt Ion:	153	Resp:	6118
Ion Ratio	Lower	Upper	
153	100		
152	49.9	33.9	50.9
154	83.0	80.6	121.0





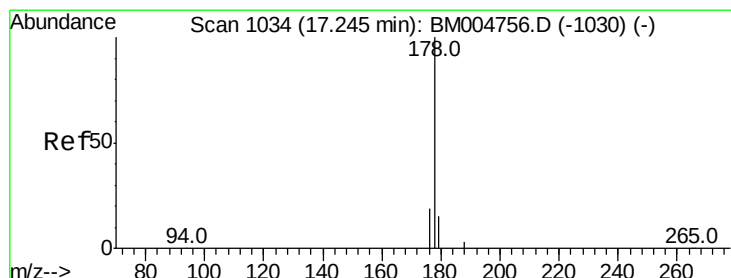
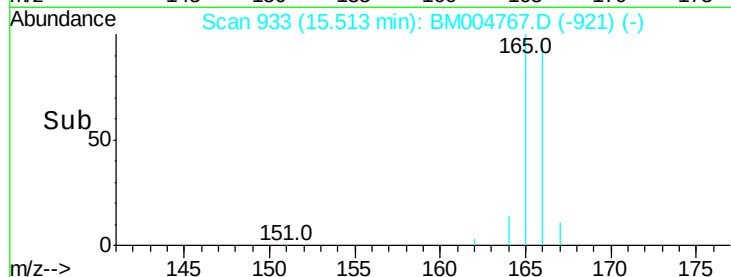
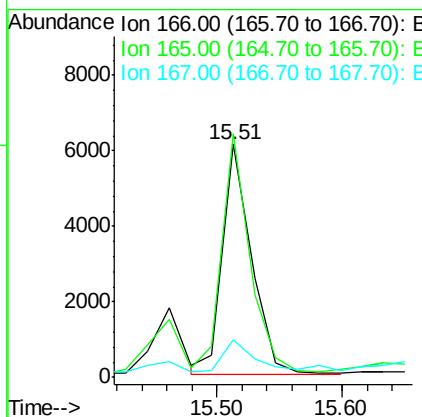
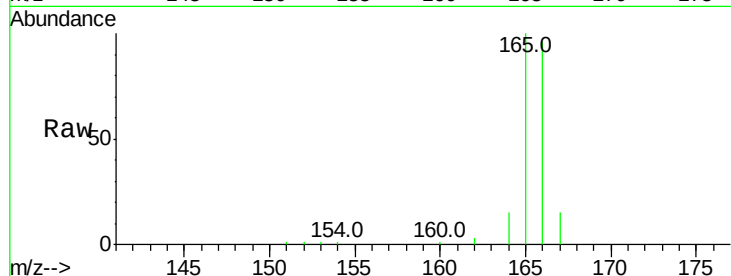
#11
 Fluorene
 Concen: 0.02 ng/ul m
 RT: 15.51 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004767.D
 Acq: 25 Mar 2016 01:38

Instrument :
 BNA_M
 ClientSampleId :
 A4T47

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.5	69.6	104.4#
167	16.1	11.9	17.9

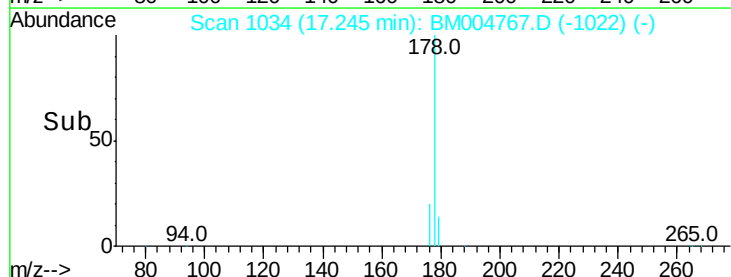
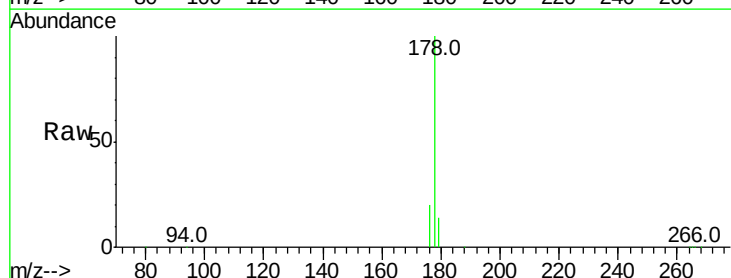
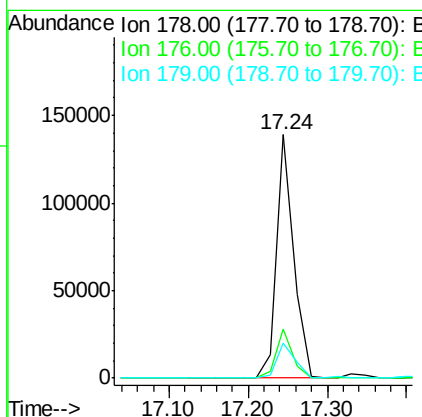
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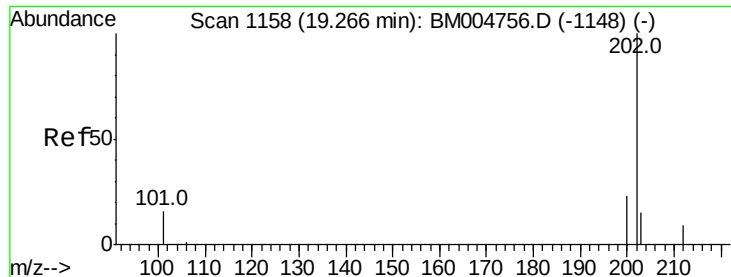
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#14
 Phenanthrene
 Concen: 0.25 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004767.D
 Acq: 25 Mar 2016 01:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	13.0	19.4#
179	14.5	14.2	21.2





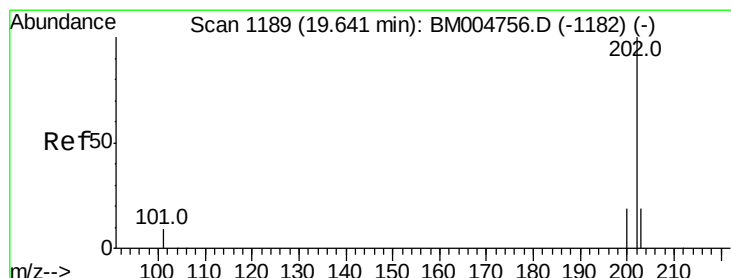
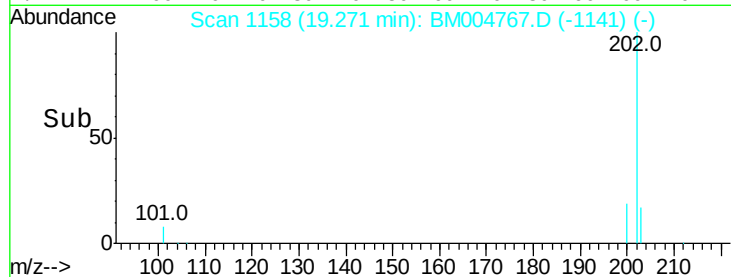
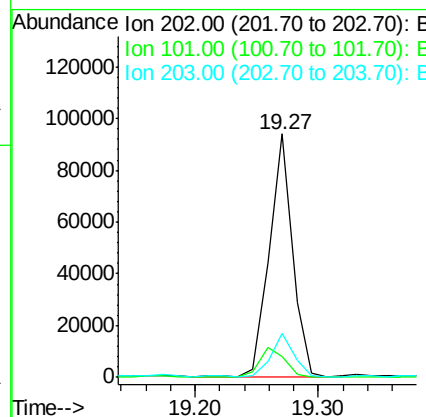
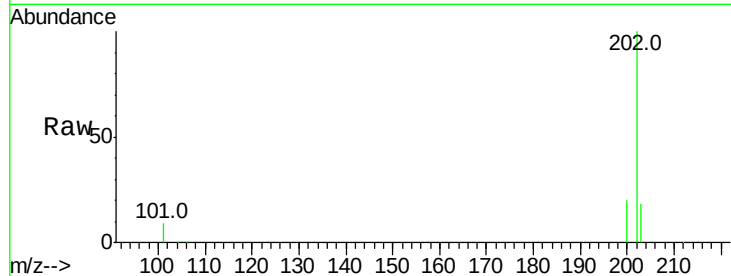
#17
Fluoranthene
Concen: 0.14 ng/ul
RT: 19.27 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BM004767.D
Acq: 25 Mar 2016 01:38

Instrument :
BNA_M
ClientSampleId :
A4T47

Tot Ion	Ratio	Resp	Lower	Upper
202	100	124026		
101	8.7	0.0	29.6	
203	17.8	0.0	36.3	

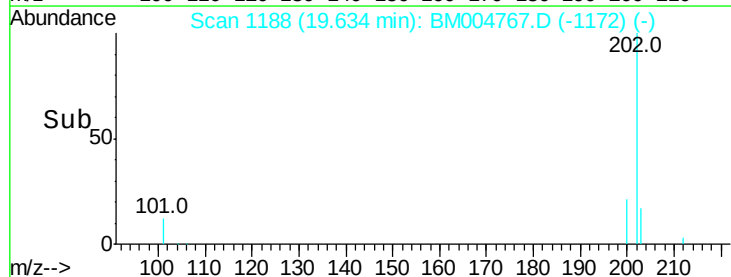
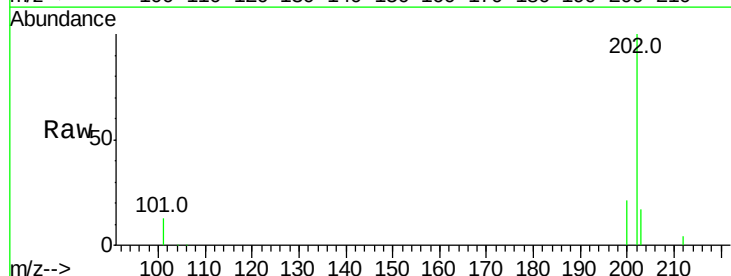
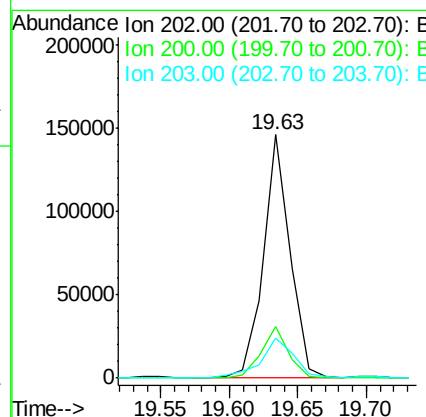
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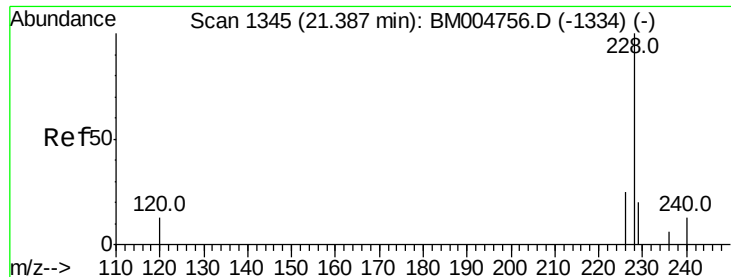
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#19
Pyrene
Concen: 0.23 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BM004767.D
Acq: 25 Mar 2016 01:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	195704		
200	21.3	17.8	26.8	
203	16.7	12.8	19.2	





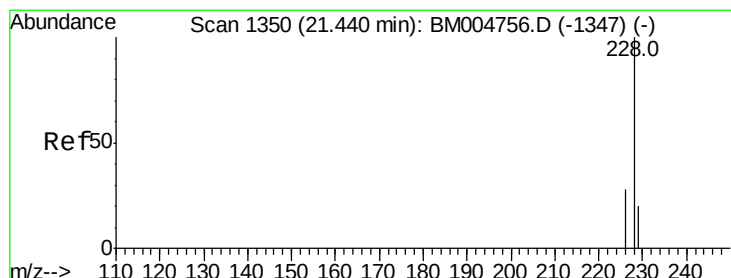
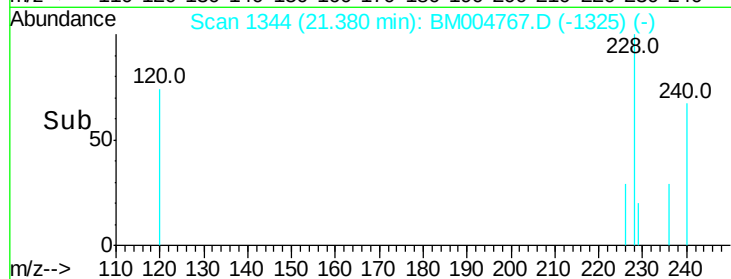
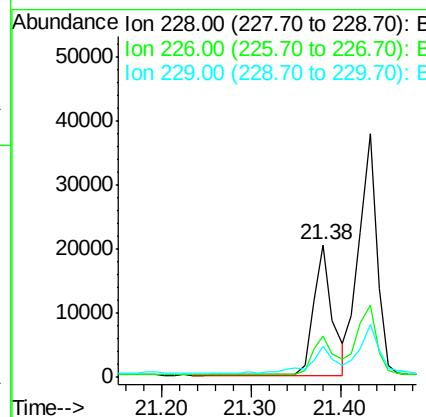
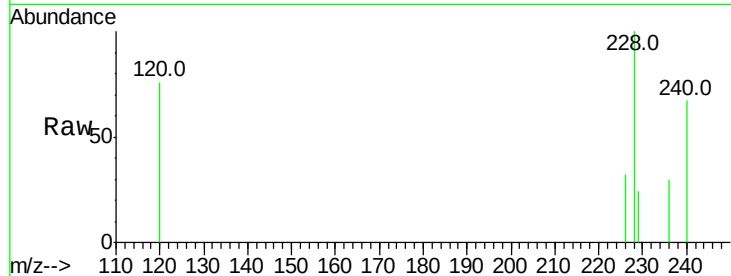
#20
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.38 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BM004767.D
Acq: 25 Mar 2016 01:38

Instrument :
BNA_M
ClientSampleId :
A4T47

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	18.8	28.2
229	23.6	17.1	25.7

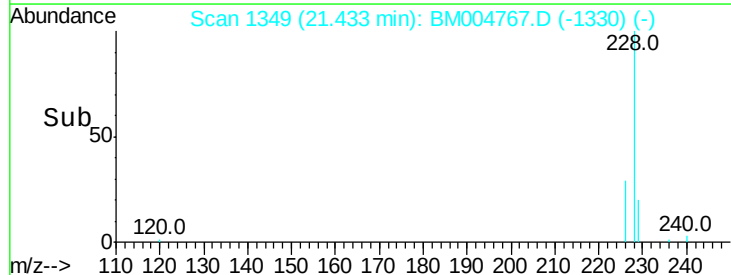
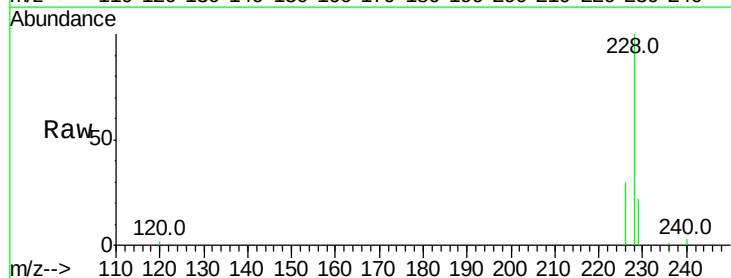
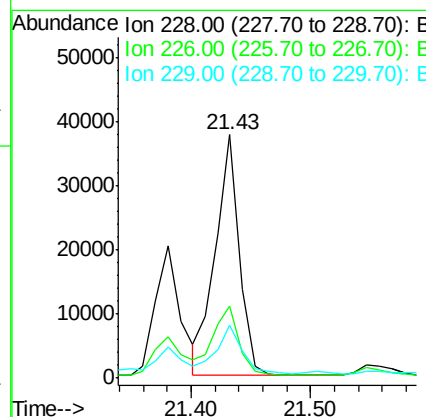
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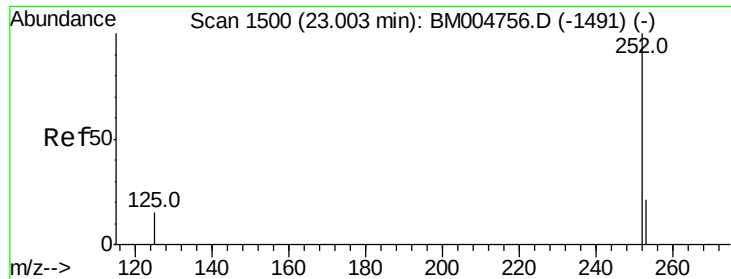
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#21
Chrysene
Concen: 0.07 ng/ul
RT: 21.43 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BM004767.D
Acq: 25 Mar 2016 01:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.2	31.8
229	21.7	17.0	25.6





#23

Benzo(b)fluoranthene

Concen: 0.06 ng/ul m

RT: 23.00 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Instrument :

BNA_M

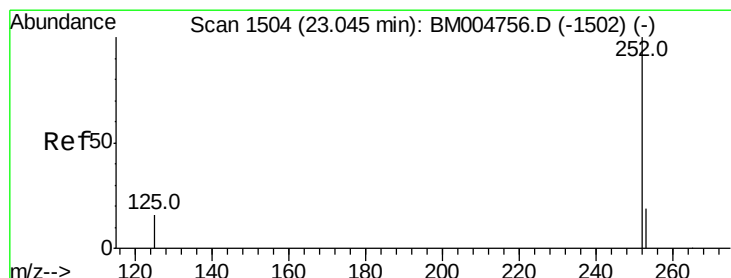
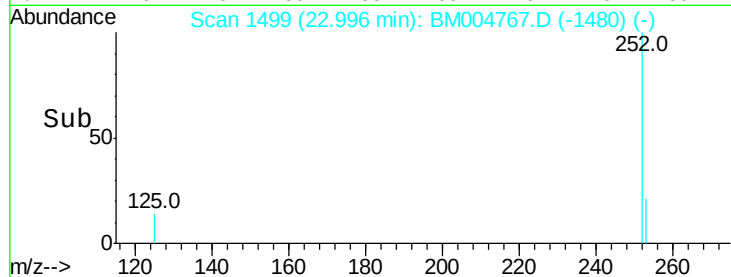
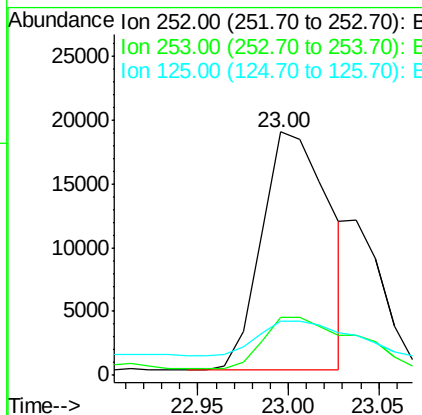
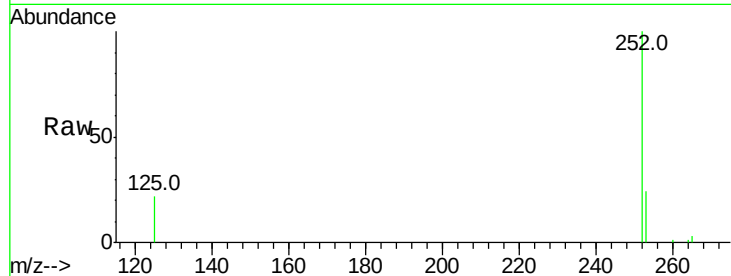
ClientSampleId :

A4T47

Tot Ion:	252	Resp:	48583
Ion Ratio	Lower	Upper	
252	100		
253	23.8	0.0	45.4
125	22.3	0.0	28.8

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#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul m

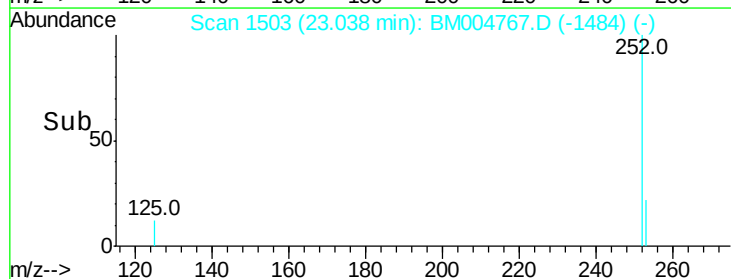
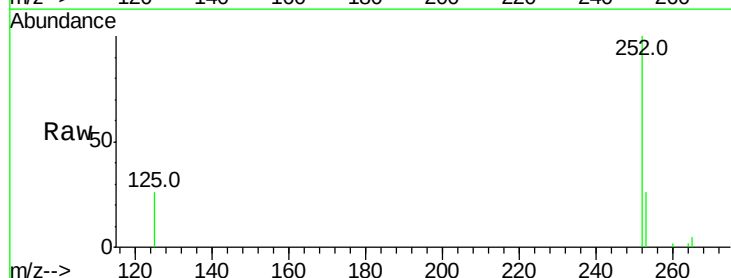
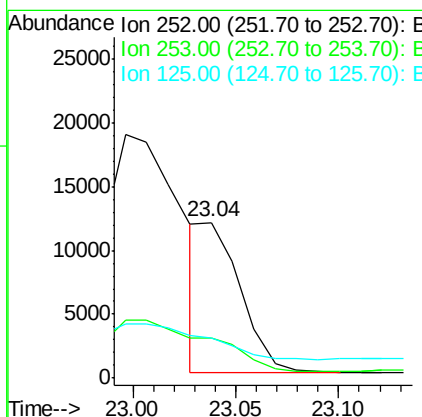
RT: 23.04 min Scan# 1503

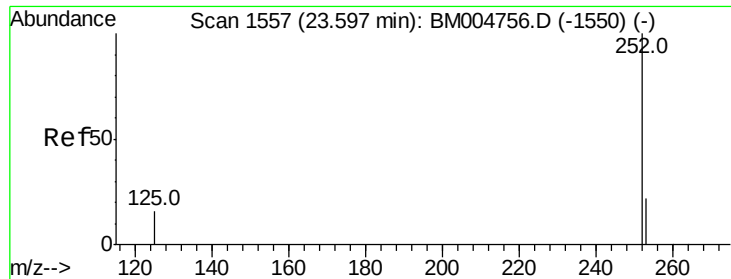
Delta R.T. -0.01 min

Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Tgt Ion:	252	Resp:	15708
Ion Ratio	Lower	Upper	
252	100		
253	25.8	19.8	29.8
125	25.6	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Instrument :

BNA_M

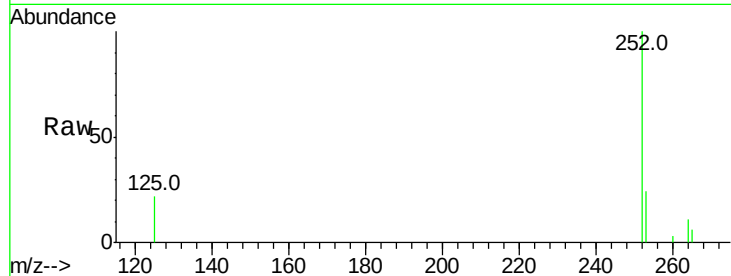
ClientSampleId :

A4T47

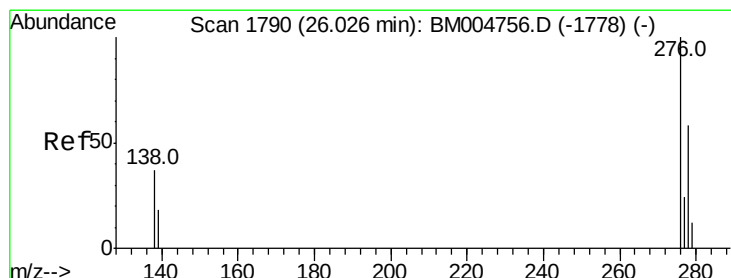
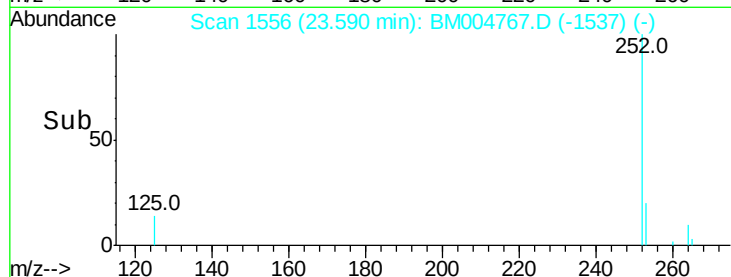
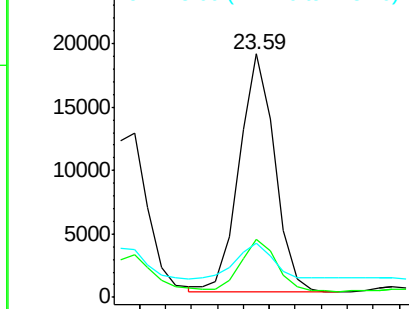
Tot Ion:	252	Resp:	35587
Ion Ratio	Lower	Upper	
252	100		
253	23.6	19.4	29.2
125	22.0	12.7	19.1#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 26.02 min Scan# 1789

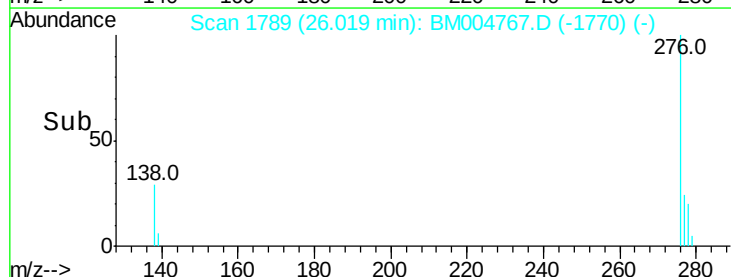
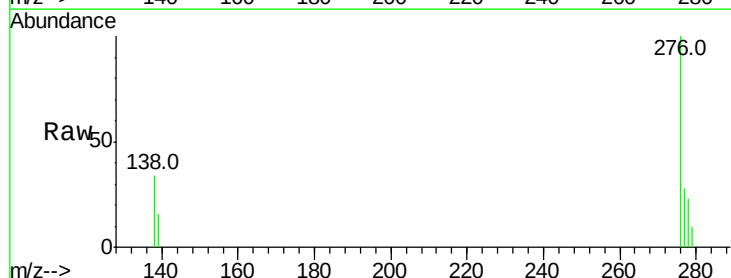
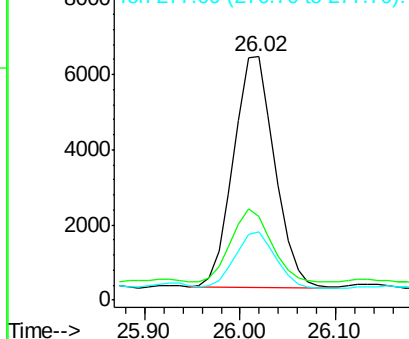
Delta R.T. -0.01 min

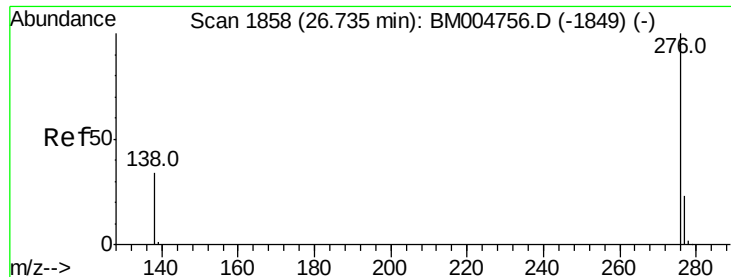
Lab File: BM004767.D

Acq: 25 Mar 2016 01:38

Tgt Ion:	276	Resp:	18537
Ion Ratio	Lower	Upper	
276	100		
138	30.9	16.3	24.5#
277	24.3	19.8	29.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.03 ng/ul

RT: 26.73 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM004767.D

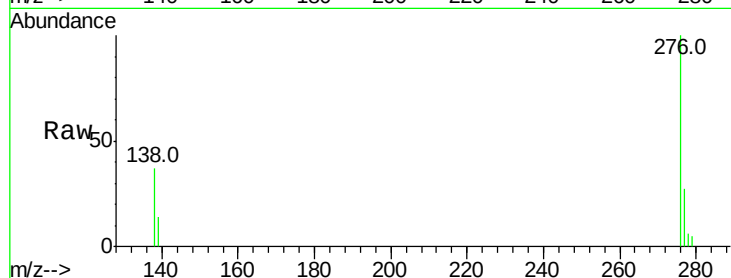
Acq: 25 Mar 2016 01:38

Instrument :

BNA_M

ClientSampleId :

A4T47



Tot Ion:	276	Resp:	17916
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.9	28.3
138	37.4	22.5	33.7

Manual Integrations
APPROVED

Sohil
3/25/2016 2:59:55 PM

