

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122416\
 Data File : BM008633.D
 Acq On : 24 Dec 2016 15:16
 Operator : UM/SJ
 Sample : H5995-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA863

Manual Integrations
 APPROVED

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Quant Time: Dec 26 13:55:48 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 04:56:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	638	0.40	ng/ul	-0.09
2) Naphthalene-d8	10.42	136	2392m	0.40	ng/ul	-0.08
6) Acenaphthene-d10	14.28	164	2796m	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1788m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.26	240	2762m	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	3373m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	698m	0.19	ng/ul	-0.09
14) Fluoranthene-d10	19.08	212	1897m	0.39	ng/ul	-0.02
Target Compounds						
					Ovalue	
3) Naphthalene	10.46	128	105409	15.66	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	24713	5.46	ng/ul	99
8) Acenaphthene	14.33	153	138807m	14.59	ng/ul	
9) Fluorene	15.34	166	85113m	7.84	ng/ul	
12) Phenanthrene	17.09	178	868338m	159.03	ng/ul	
13) Anthracene	17.18	178	162174m	30.59	ng/ul	
15) Fluoranthene	19.12	202	1129392m	168.72	ng/ul	
17) Pyrene	19.48	202	957459m	89.68	ng/ul	
18) Benzo(a)anthracene	21.24	228	502752m	55.43	ng/ul	
19) Chrysene	21.29	228	464774m	46.81	ng/ul	
21) Benzo(b)fluoranthene	22.83	252	636489m	47.90	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	233917m	18.05	ng/ul	
23) Benzo(a)pyrene	23.40	252	488688m	39.68	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.73	276	326844m	22.27	ng/ul	
25) Dibenzo(a,h)anthracene	25.73	278	74984m	6.39	ng/ul	
26) Benzo(a,h,i)perylene	26.43	276	279473m	22.20	ng/ul	

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

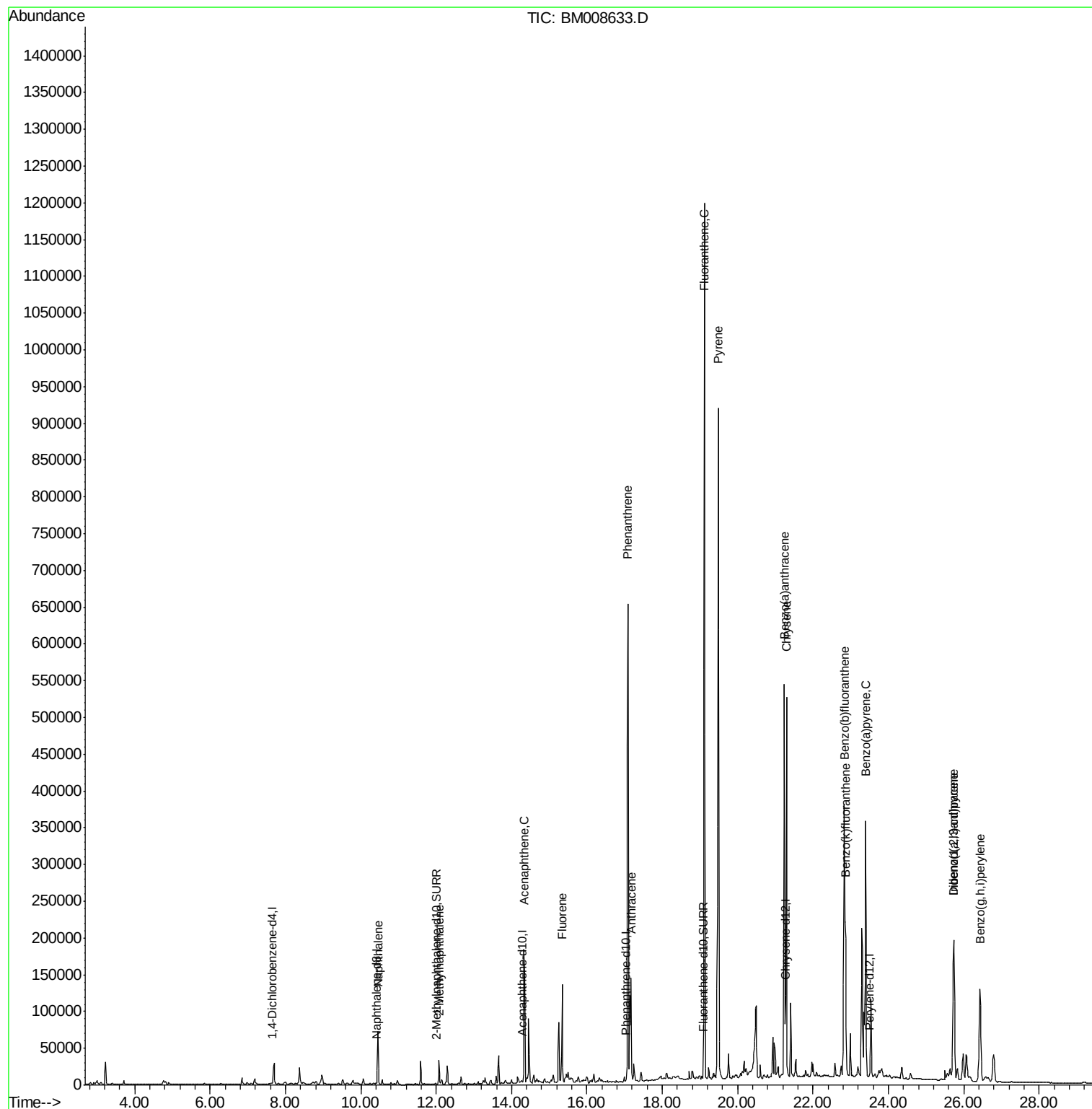
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122416\
Data File : BM008633.D
Acq On : 24 Dec 2016 15:16
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ALS Vial : 38 Sample Multiplier: 1

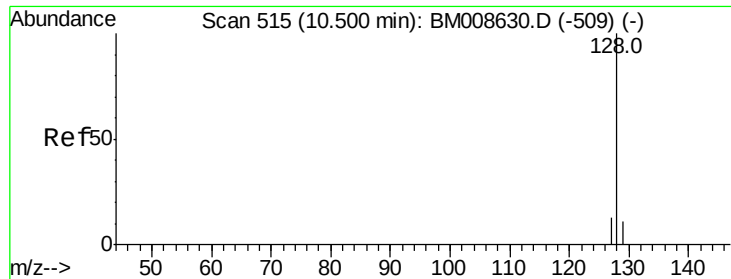
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
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#3

Naphthalene

Concen: 15.66 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.08 min

Lab File: BM008633.D

Acq: 24 Dec 2016 15:16

Instrument :

BNA_M

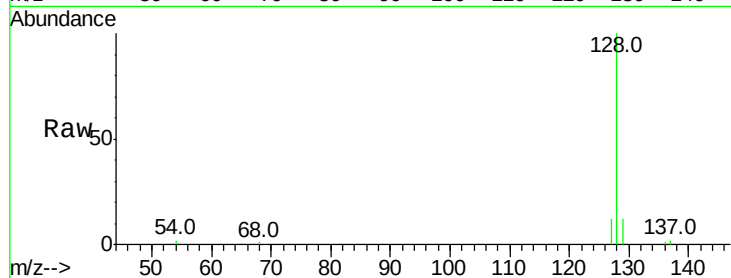
ClientSampleId :

DA863

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	11.3	16.9
127	12.1	12.8	19.2

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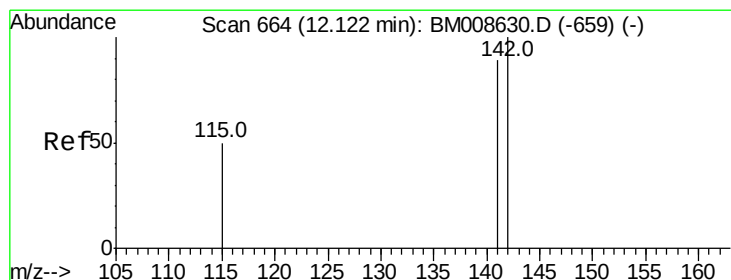
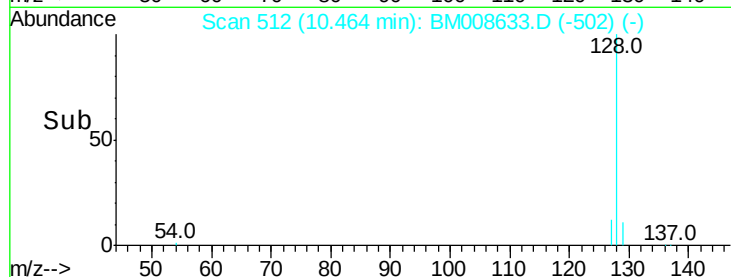
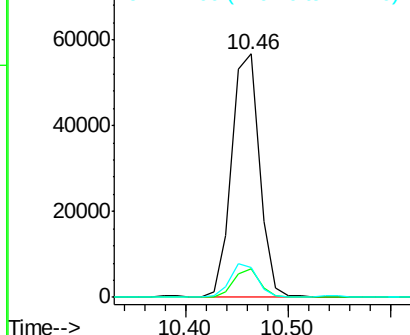
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 5.46 ng/ul

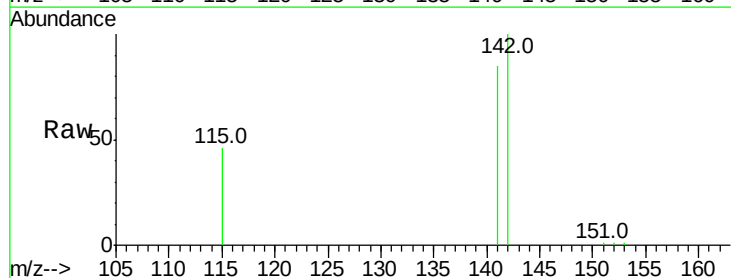
RT: 12.08 min Scan# 660

Delta R.T. -0.10 min

Lab File: BM008633.D

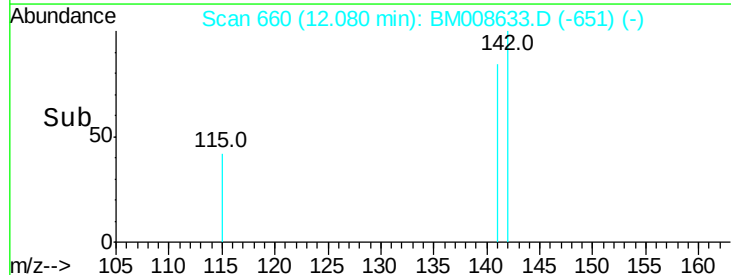
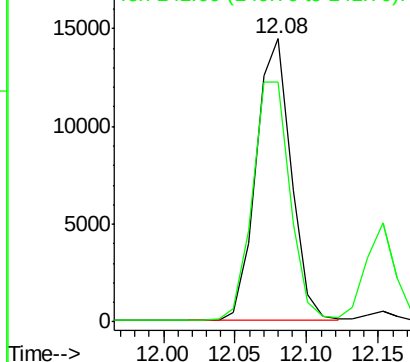
Acq: 24 Dec 2016 15:16

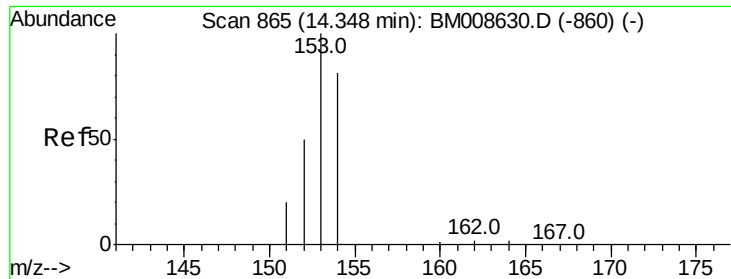
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 14.59 ng/ul m

RT: 14.33 min Scan# 864

Delta R.T. -0.05 min

Lab File: BM008633.D

Acq: 24 Dec 2016 15:16

Instrument :

BNA_M

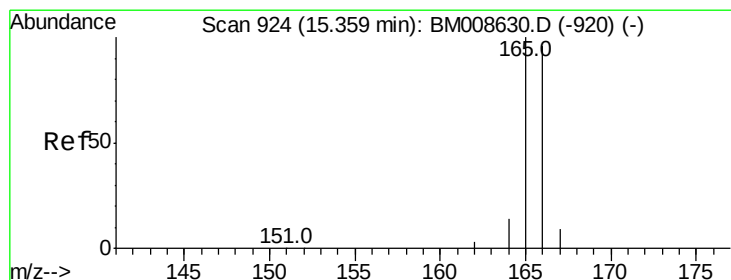
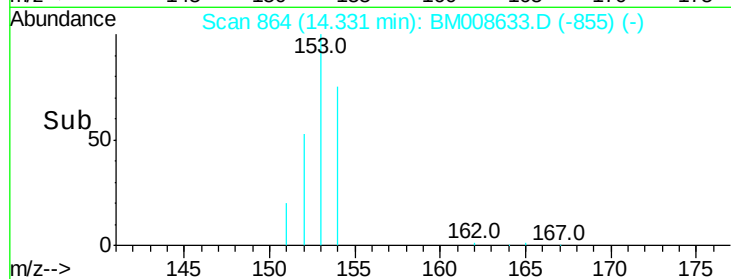
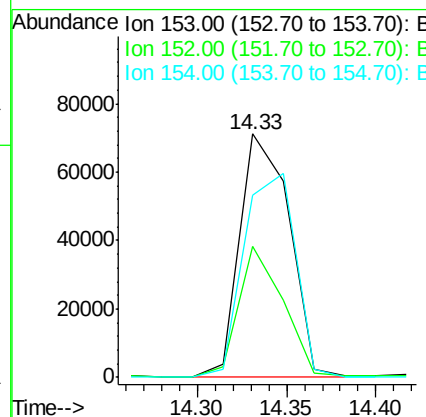
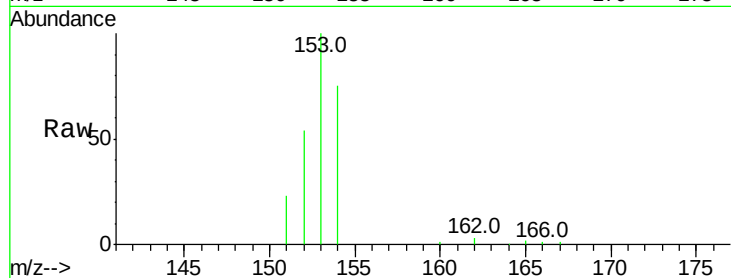
ClientSampleId :

DA863

Tot Ion	Ratio	Lower	Upper
153	100		
152	53.9	40.3	60.5
154	74.8	71.4	107.2

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#9

Fluorene

Concen: 7.84 ng/ul m

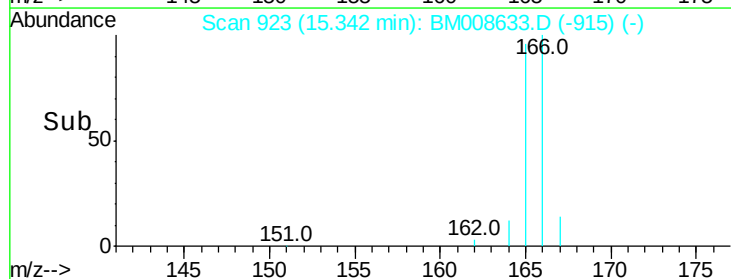
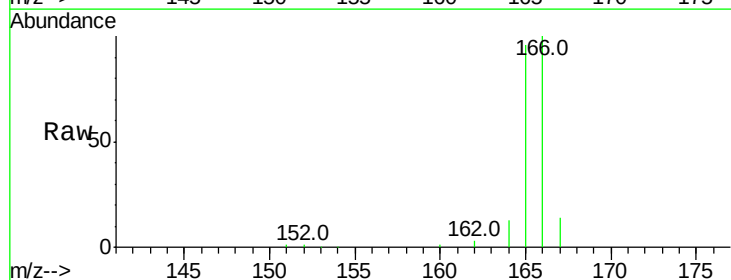
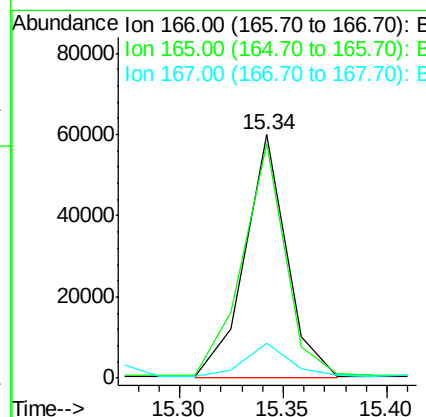
RT: 15.34 min Scan# 923

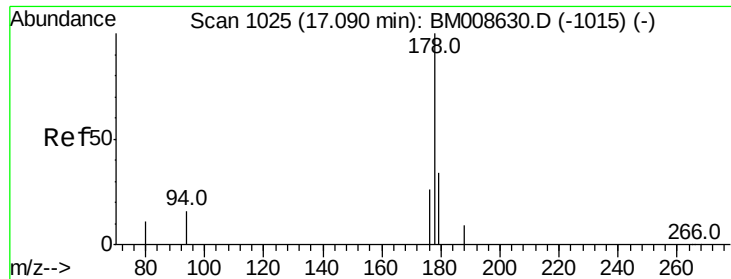
Delta R.T. -0.07 min

Lab File: BM008633.D

Acq: 24 Dec 2016 15:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	73.4	110.2
167	14.3	14.6	22.0#





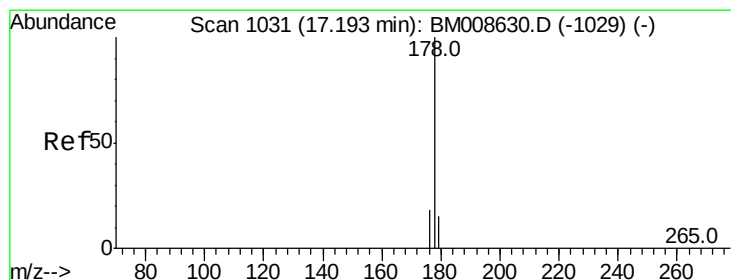
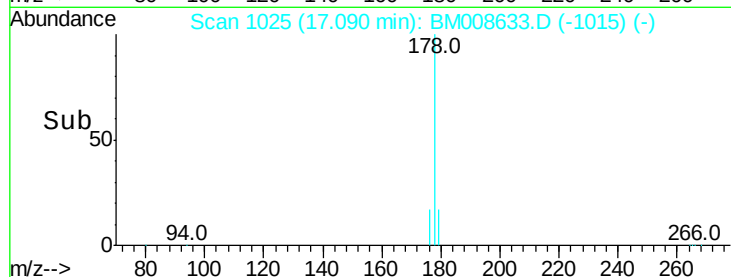
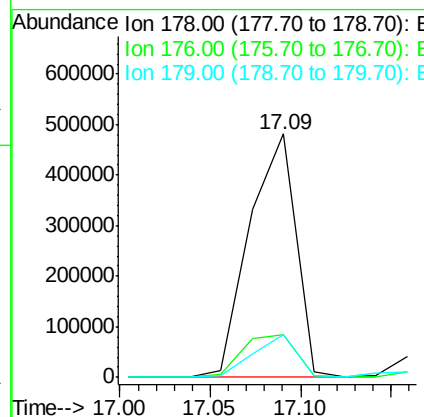
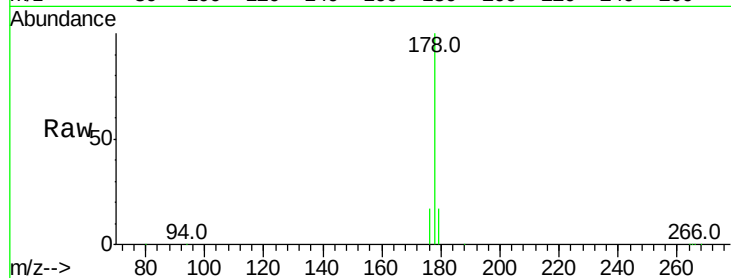
#12
Phenanthrene
Concen: 159.03 ng/ul m
RT: 17.09 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Instrument :
BNA_M
ClientSampleId :
DA863

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	18.4	27.6#
179	17.4	13.6	20.4

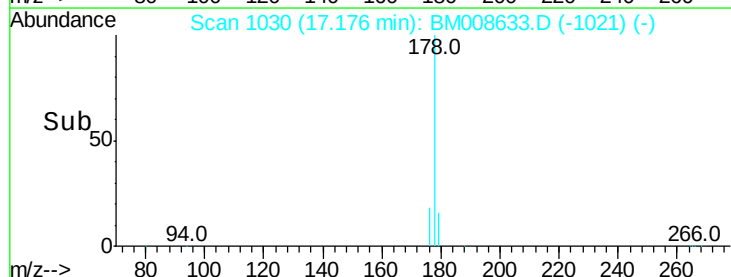
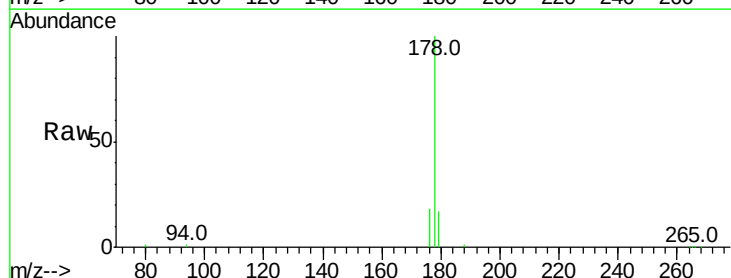
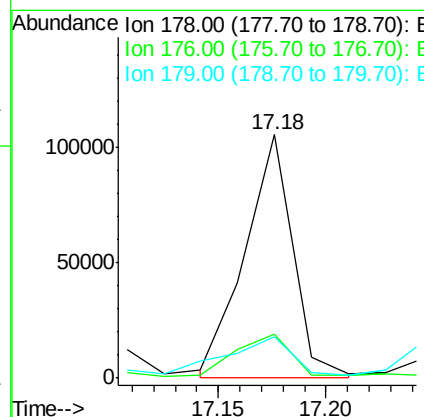
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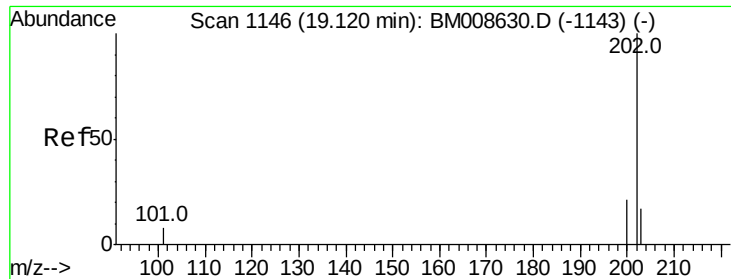
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#13
Anthracene
Concen: 30.59 ng/ul m
RT: 17.18 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	18.1	27.1
179	17.0	14.7	22.1





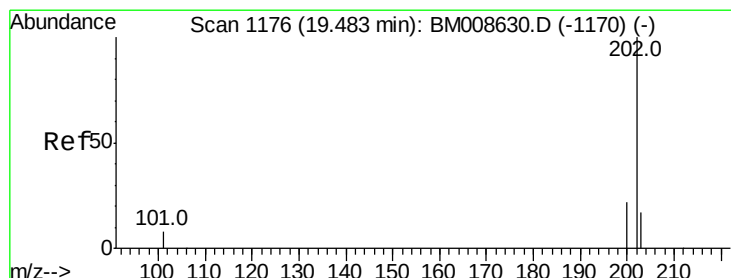
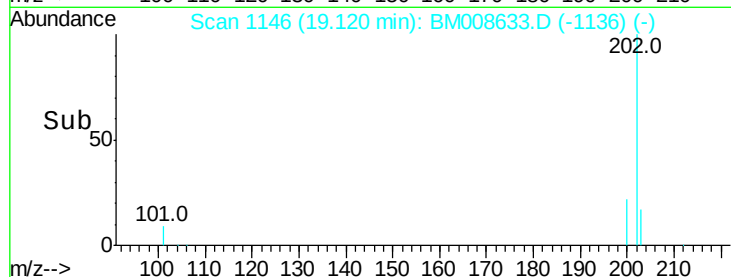
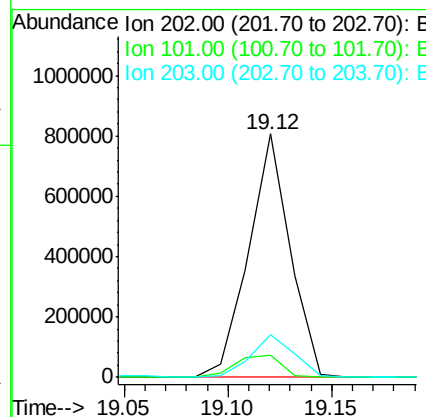
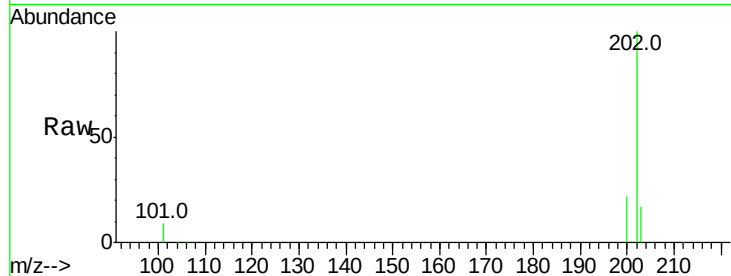
#15
Fluoranthene
Concen: 168.72 ng/ul m
RT: 19.12 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Instrument :
BNA_M
ClientSampleId :
DA863

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.3
203	17.3	0.0	39.5

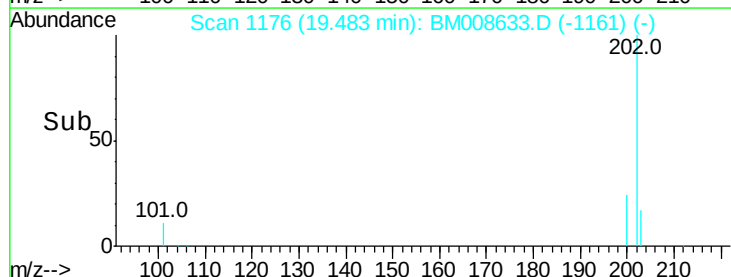
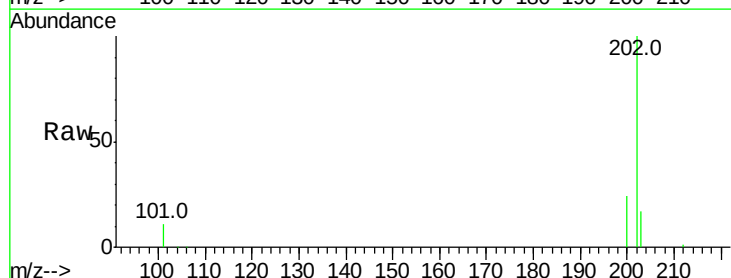
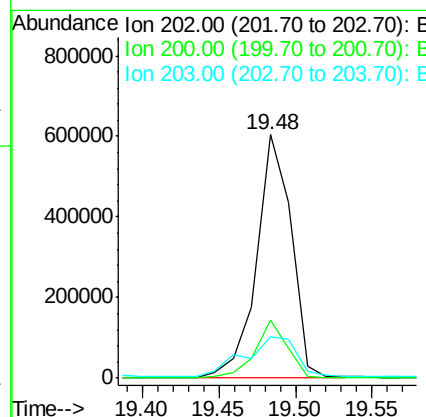
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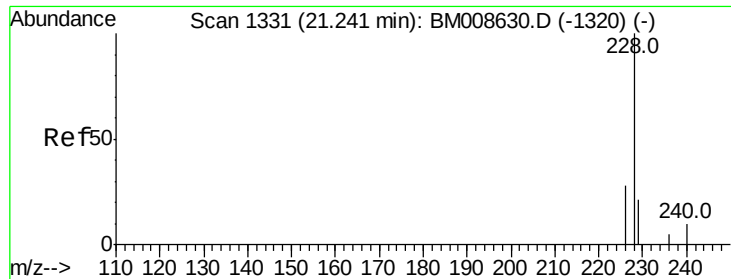
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#17
Pyrene
Concen: 89.68 ng/ul m
RT: 19.48 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.6	18.2	27.4
203	16.8	15.6	23.4





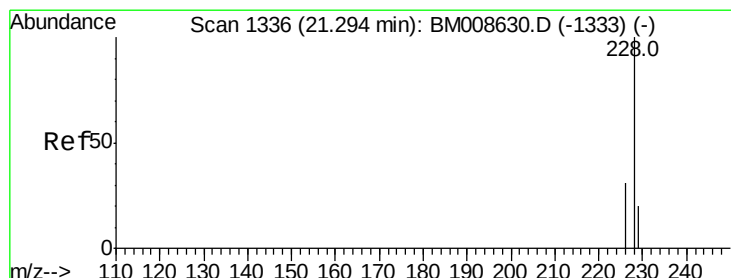
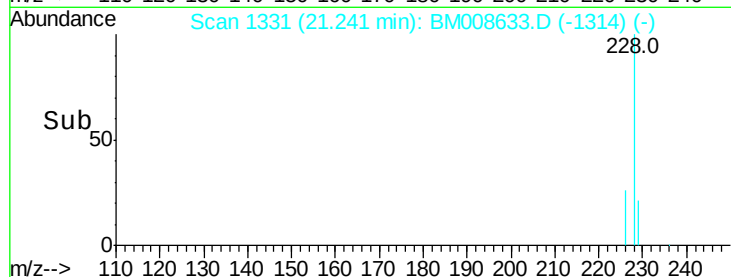
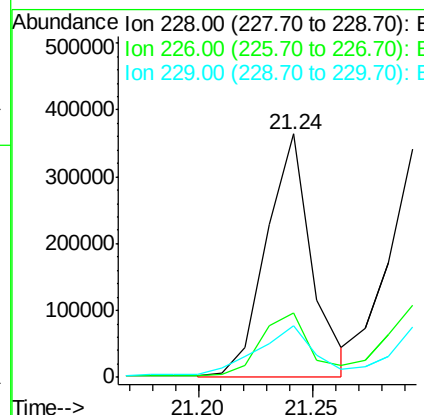
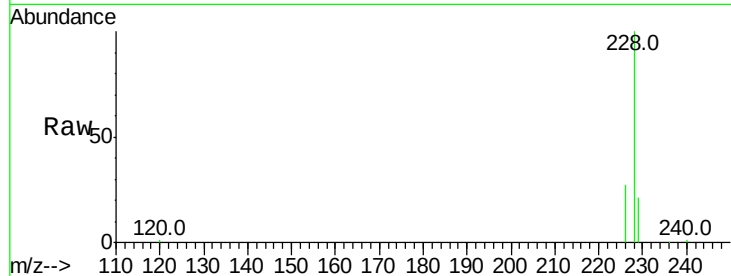
#18
Benzo(a)anthracene
Concen: 55.43 ng/ul m
RT: 21.24 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Instrument :
BNA_M
ClientSampleId :
DA863

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.8	34.2
229	21.4	17.0	25.6

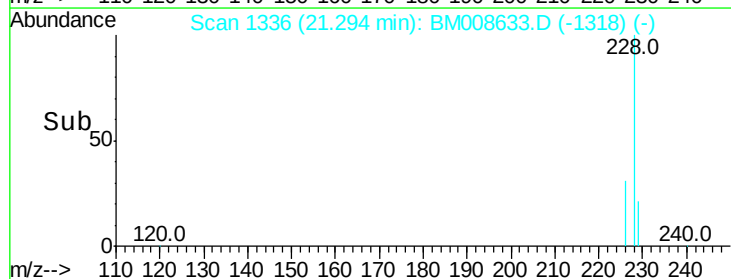
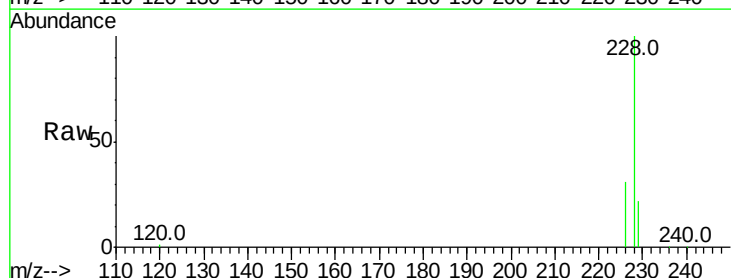
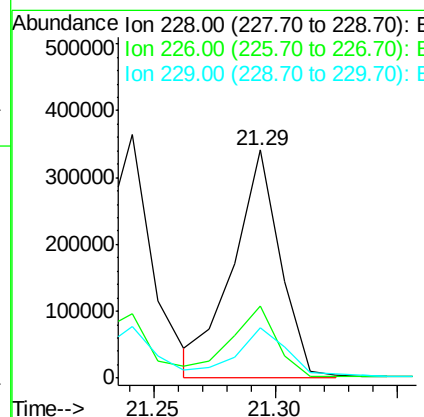
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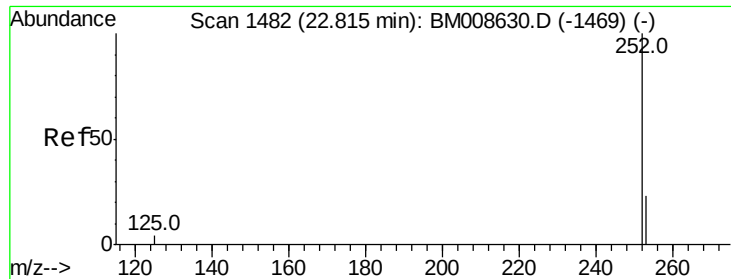
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#19
Chrysene
Concen: 46.81 ng/ul m
RT: 21.29 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.0
229	21.9	17.7	26.5





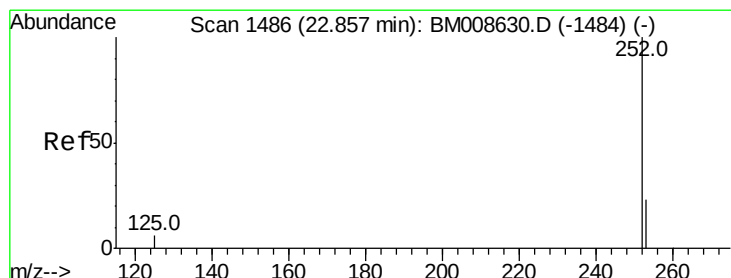
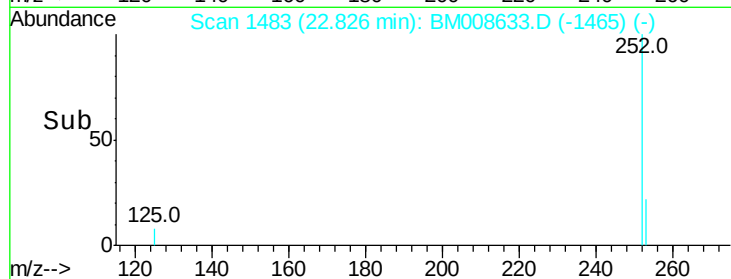
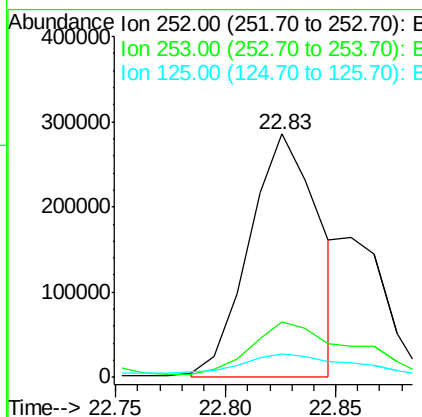
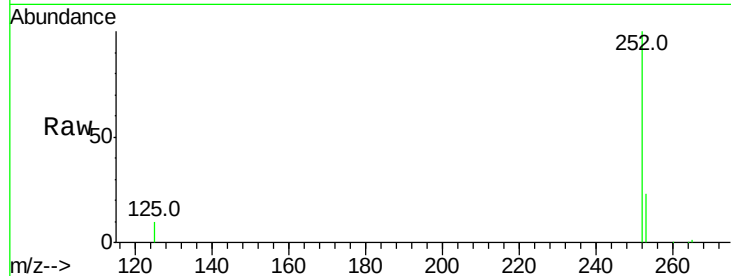
#21
Benzo(b)fluoranthene
Concen: 47.90 ng/ul m
RT: 22.83 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Instrument :
BNA_M
ClientSampleId :
DA863

Tot Ion	Ratio	Resp	Lower	Upper
252	100	636489		
253	22.7	0.0	64.2	
125	9.8	0.0	35.0	

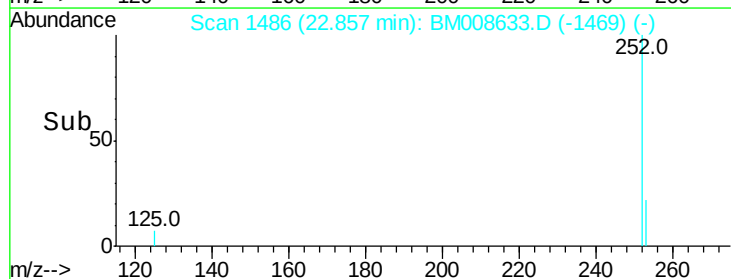
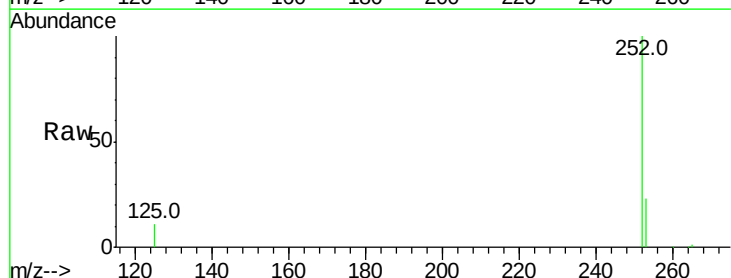
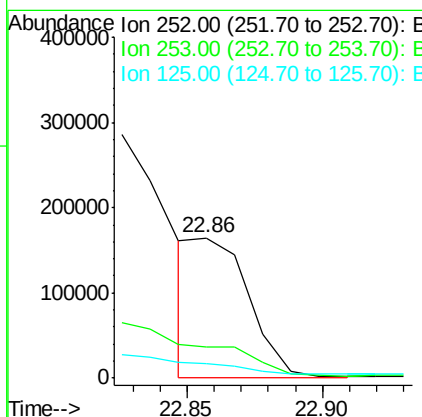
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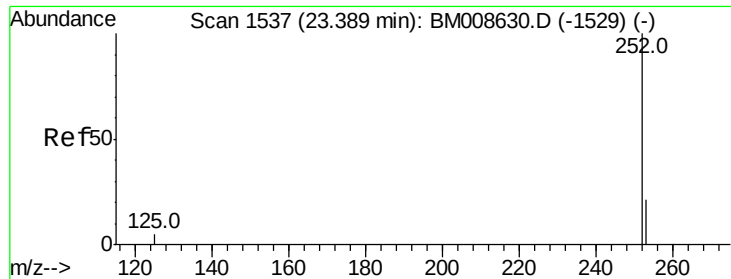
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#22
Benzo(k)fluoranthene
Concen: 18.05 ng/ul m
RT: 22.86 min Scan# 1486
Delta R.T. -0.02 min
Lab File: BM008633.D
Acq: 24 Dec 2016 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	233917		
253	22.6	24.5	36.7#	
125	10.5	13.7	20.5#	





#23

Benzo(a)pyrene

Concen: 39.68 ng/ul m

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008633.D

Acq: 24 Dec 2016 15:16

Instrument :

BNA_M

ClientSampleId :

DA863

Tot Ion:252 Resp: 488688

Ion Ratio Lower Upper

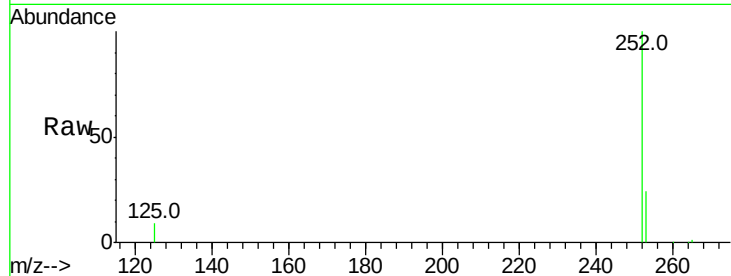
252 100

253 23.7 28.5 42.7#

125 9.4 18.1 27.1#

Manual Integrations
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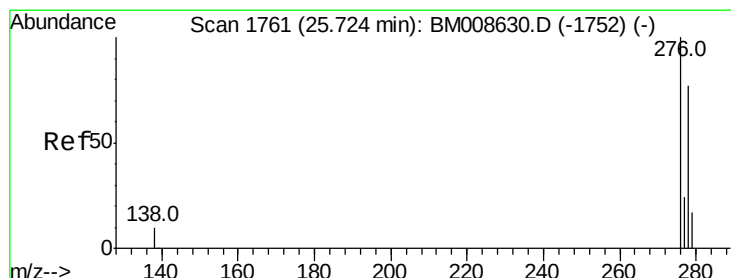
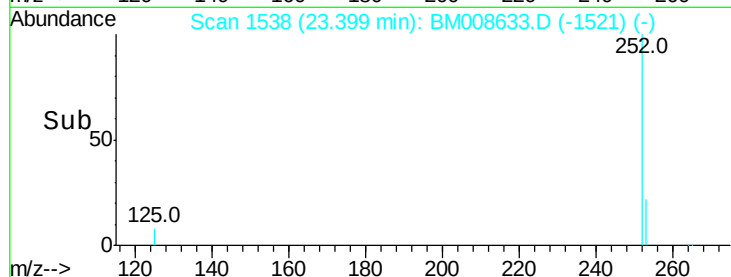
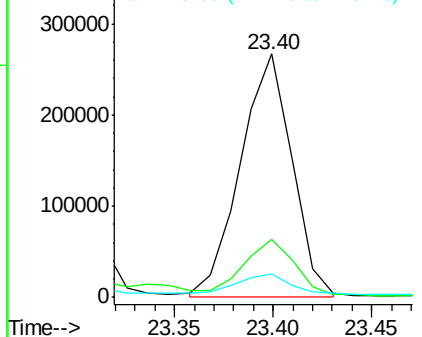
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 22.27 ng/ul m

RT: 25.73 min Scan# 1762

Delta R.T. -0.03 min

Lab File: BM008633.D

Acq: 24 Dec 2016 15:16

Tgt Ion:276 Resp: 326844

Ion Ratio Lower Upper

276 100

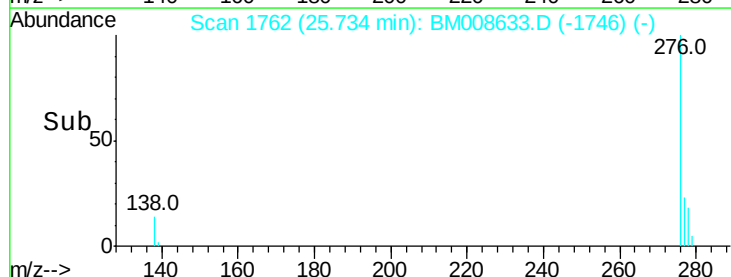
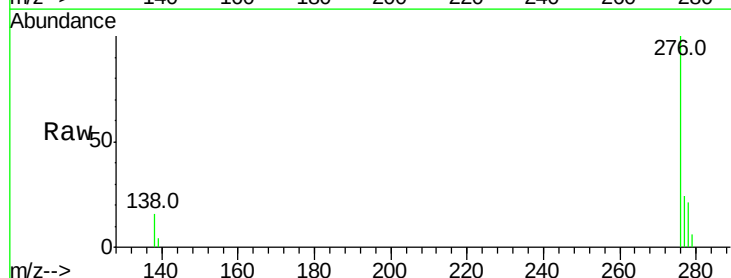
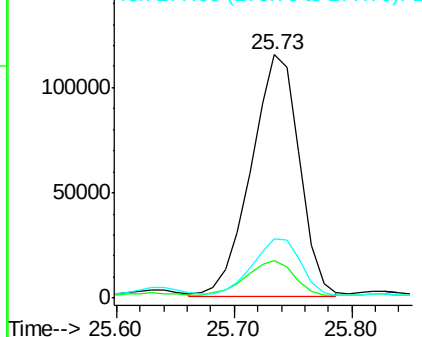
138 0.9 19.1 28.7#

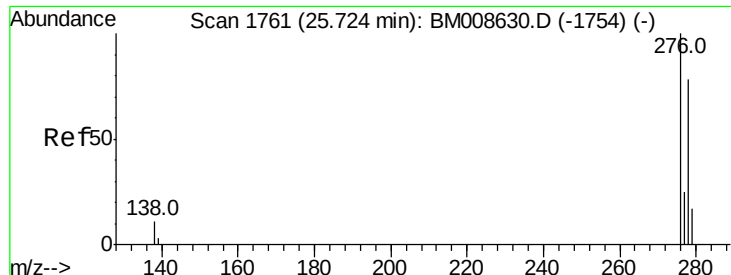
277 1.7 19.6 29.4#

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





#25

Dibenzo(a,h)anthracene

Concen: 6.39 ng/ul m

RT: 25.73 min Scan# 1762

Delta R.T. -0.03 min

Lab File: BM008633.D

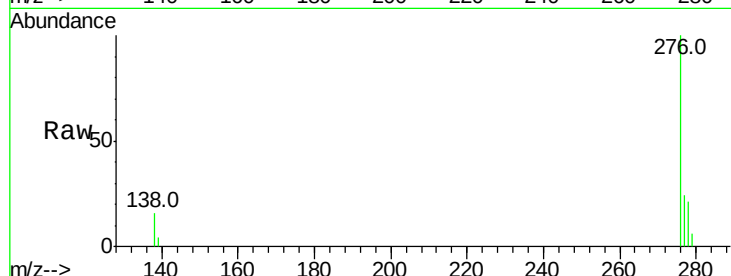
Acq: 24 Dec 2016 15:16

Instrument :

BNA_M

ClientSampleId :

DA863



Tot Ion:278 Resp: 74984

Ion Ratio Lower Upper

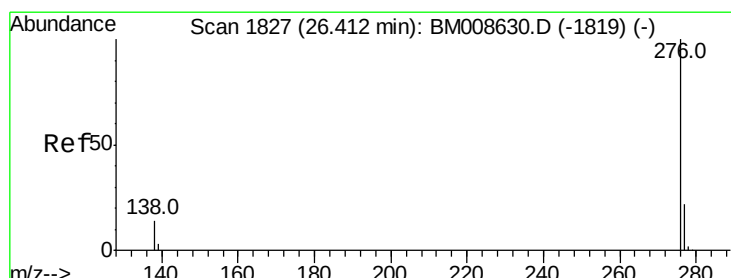
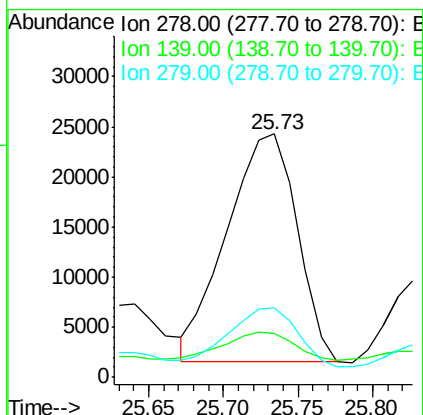
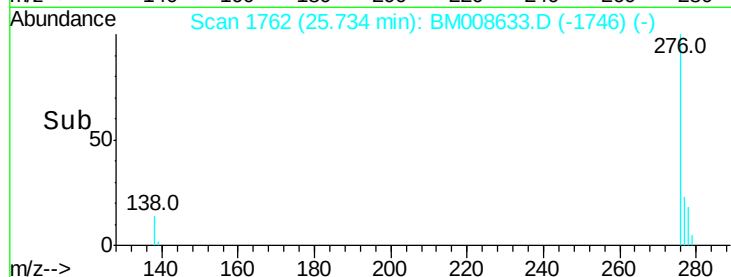
278 100

139 18.3 17.4 26.0

279 28.7 25.9 38.9

Manual Integrations
APPROVED

sohil
12/26/2016 6:26:48 PM



#26

Benzo(g,h,i)perylene

Concen: 22.20 ng/ul m

RT: 26.43 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BM008633.D

Acq: 24 Dec 2016 15:16

Tgt Ion:276 Resp: 279473

Ion Ratio Lower Upper

276 100

277 25.8 21.8 32.8

138 15.4 20.5 30.7#

