

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122716\
 Data File : BM008675.D
 Acq On : 27 Dec 2016 16:02
 Operator : UM/SJ
 Sample : H5995-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA863

Manual Integrations
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Quant Time: Dec 28 11:19:45 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 03:24:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	475m	0.40	ng/ul	-0.19
2) Naphthalene-d8	10.40	136	1637m	0.40	ng/ul	-0.17
6) Acenaphthene-d10	14.28	164	1604m	0.40	ng/ul	-0.07
10) Phenanthrene-d10	16.99	188	6324m	0.40	ng/ul	-0.14
16) Chrysene-d12	21.25	240	4238m	0.40	ng/ul	-0.05
20) Perylene-d12	23.48	264	2768m	0.40	ng/ul	-0.06
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	791	0.32	ng/ul	-0.06
14) Fluoranthene-d10	19.08	212	4059m	0.23	ng/ul	-0.07
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	60781m	13.20	ng/ul	
5) 2-Methylnaphthalene	12.07	142	14710m	4.75	ng/ul	
7) Acenaphthylene	14.00	152	1605	0.22	ng/ul#	63
8) Acenaphthene	14.33	153	83635	15.33	ng/ul	97
9) Fluorene	15.34	166	52979m	8.51	ng/ul	
12) Phenanthrene	17.07	178	575497m	29.80	ng/ul	
13) Anthracene	17.16	178	102787	5.48	ng/ul	98
15) Fluoranthene	19.11	202	784155	33.12	ng/ul	93
17) Pyrene	19.48	202	650370	39.70	ng/ul	96
18) Benzo(a)anthracene	21.23	228	355429m	25.54	ng/ul	
19) Chrysene	21.29	228	312843	20.53	ng/ul	96
21) Benzo(b)fluoranthene	22.81	252	497291m	45.60	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	118377m	11.13	ng/ul	
23) Benzo(a)pyrene	23.38	252	342548m	33.89	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.72	276	231663m	19.23	ng/ul	
25) Dibenzo(a,h)anthracene	25.72	278	58736m	6.10	ng/ul	
26) Benzo(a,h,i)perylene	26.40	276	195513m	18.93	ng/ul	

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

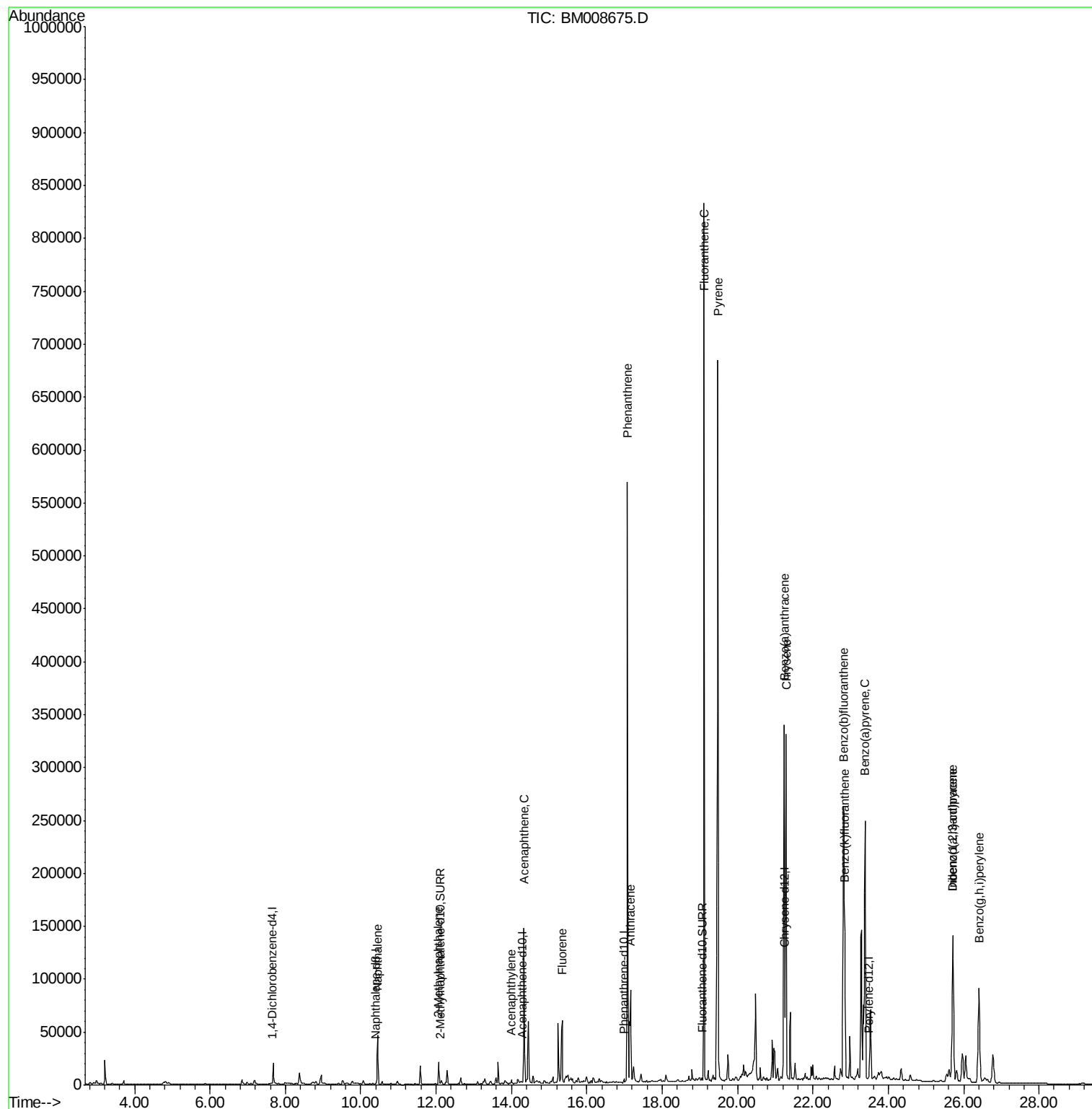
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122716\
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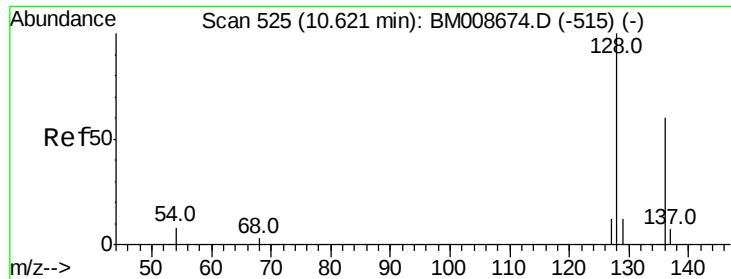
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#3

Naphthalene

Concen: 13.20 ng/ul m

RT: 10.45 min Scan# 511

Delta R.T. -0.17 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

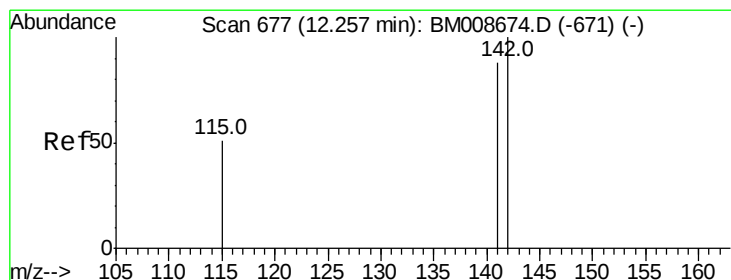
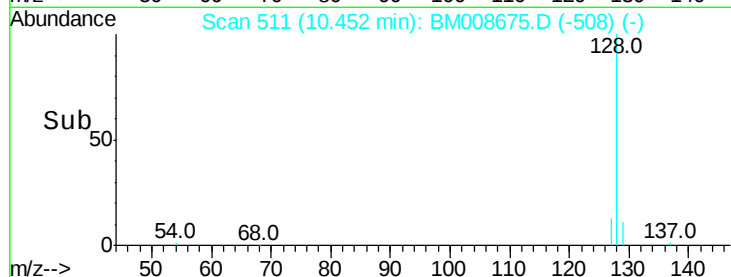
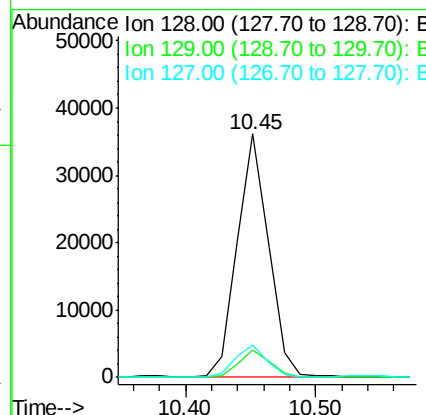
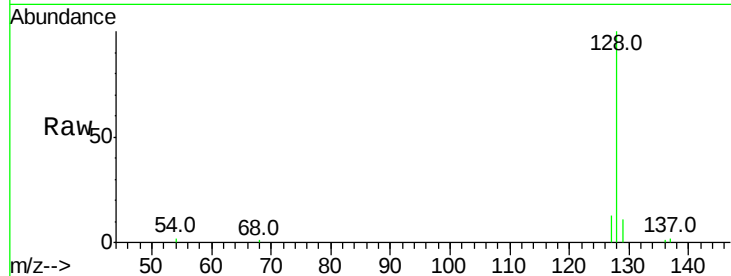
ClientSampleId :

DA863

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	11.3	16.9#
127	13.2	12.8	19.2

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#5

2-Methylnaphthalene

Concen: 4.75 ng/ul m

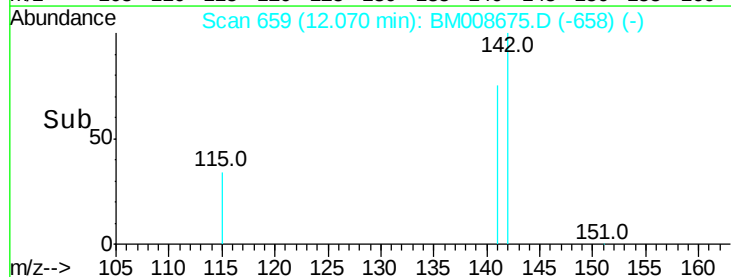
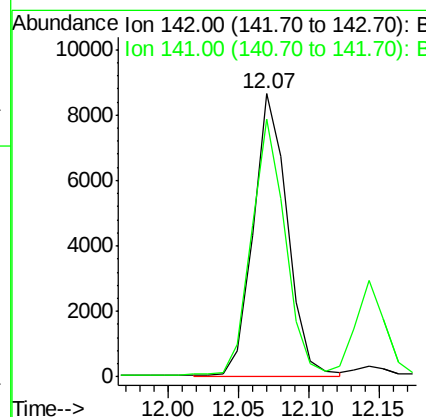
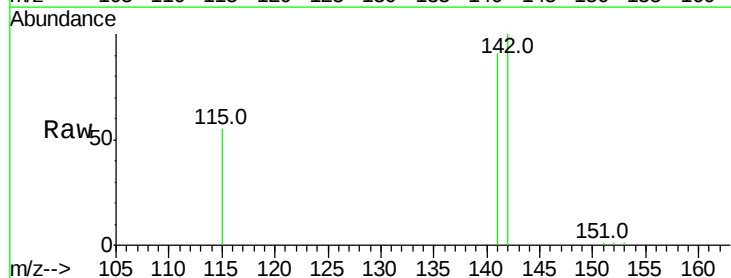
RT: 12.07 min Scan# 659

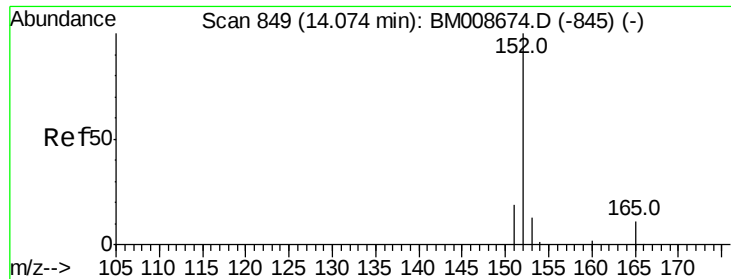
Delta R.T. -0.19 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	61.4	72.6	108.8#





#7

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.08 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

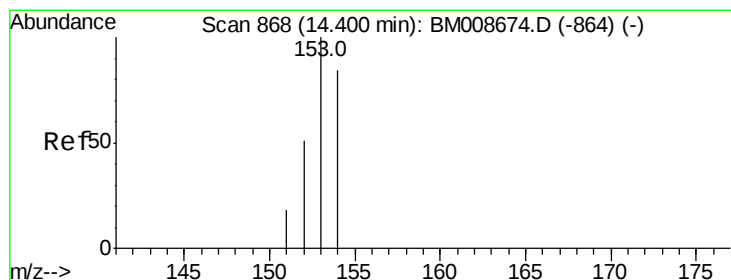
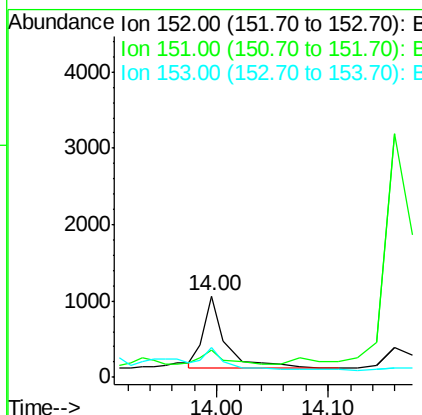
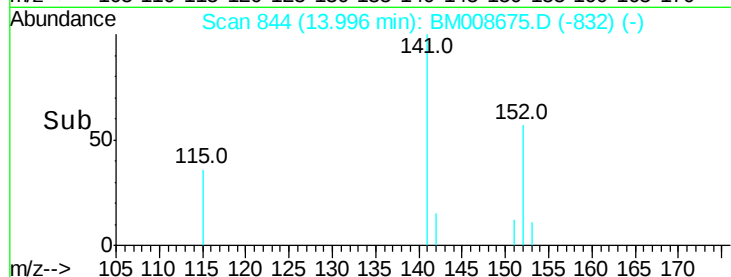
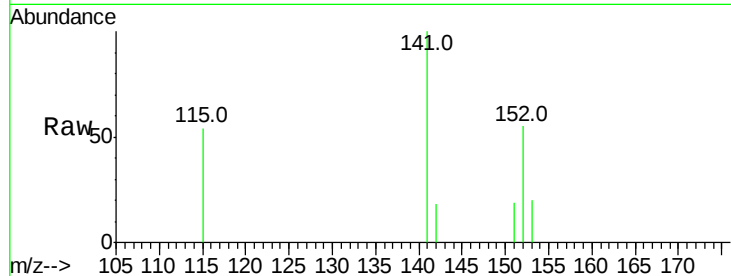
ClientSampleId :

DA863

Tot Ion:	152	Resp:	1605
Ion Ratio	Lower	Upper	
152	100		
151	34.3	17.1	25.7#
153	36.7	12.8	19.2#

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#8

Acenaphthene

Concen: 15.33 ng/ul

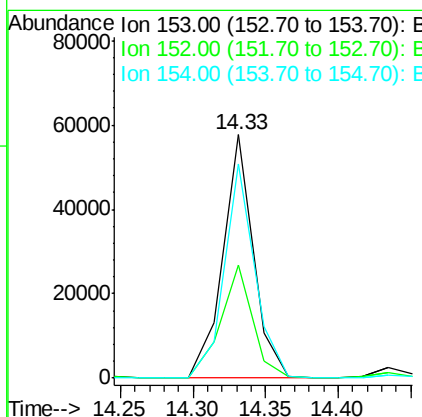
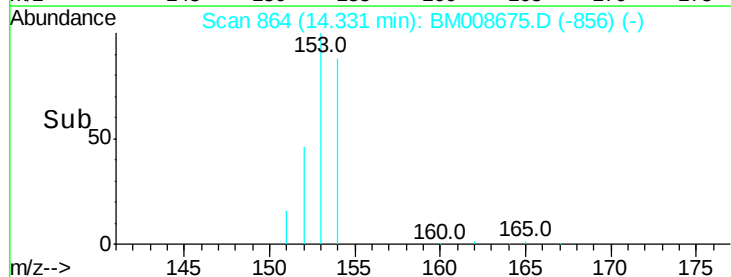
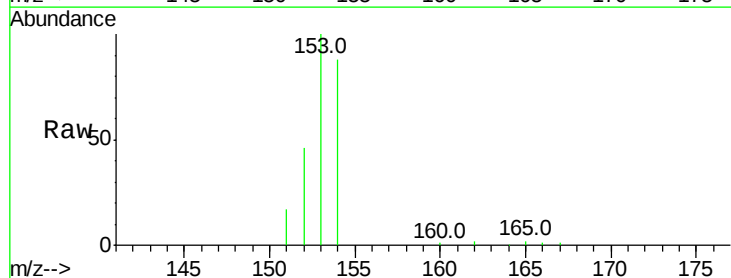
RT: 14.33 min Scan# 864

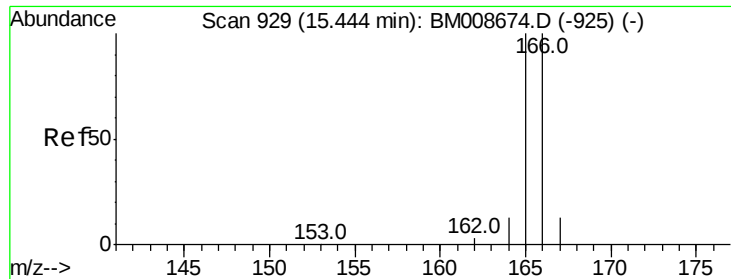
Delta R.T. -0.07 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Tgt Ion:	153	Resp:	83635
Ion Ratio	Lower	Upper	
153	100		
152	46.4	40.3	60.5
154	87.9	71.4	107.2





#9

Fluorene

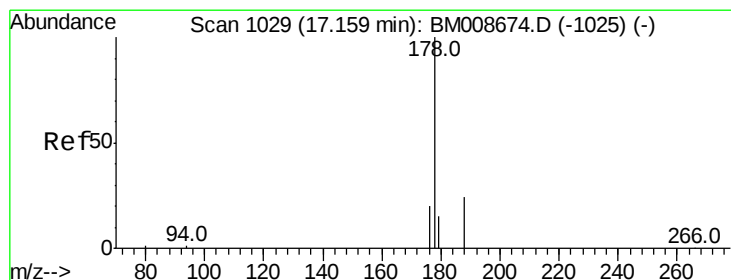
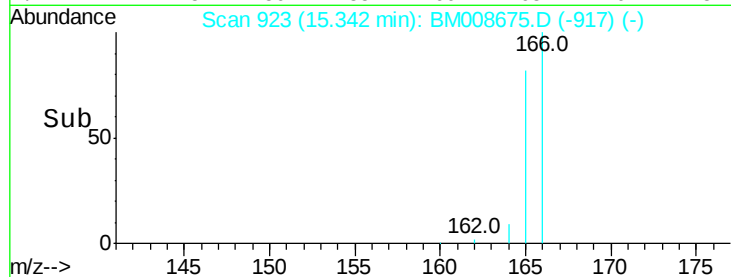
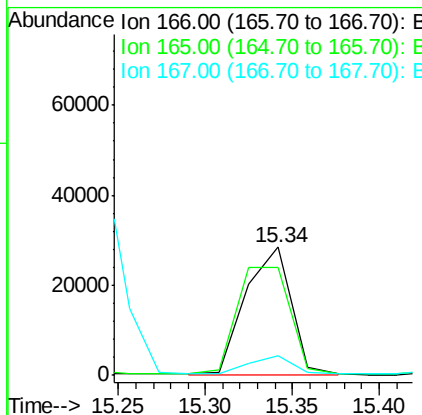
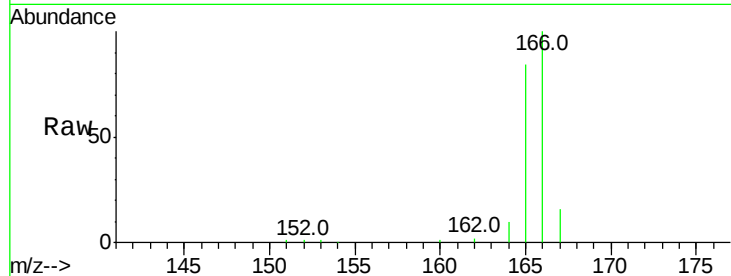
Concen: 8.51 ng/ul m
 RT: 15.34 min Scan# 923
 Delta R.T. -0.10 min
 Lab File: BM008675.D
 Acq: 27 Dec 2016 16:02

Instrument :
 BNA_M
 ClientSampleID :
 DA863

Tot Ion:166 Resp: 52979
 Ion Ratio Lower Upper
 166 100
 165 83.6 73.4 110.2
 167 15.8 14.6 22.0

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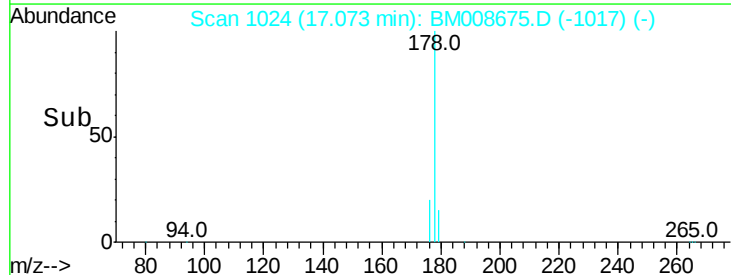
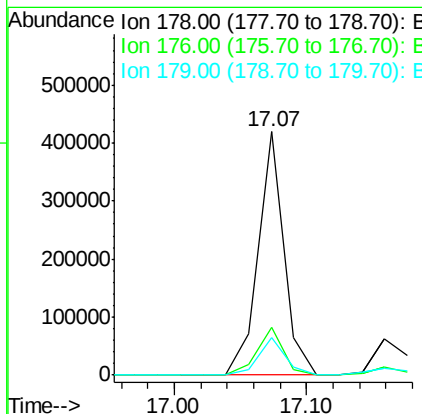
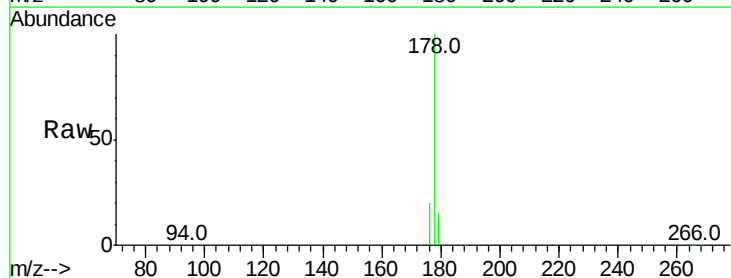


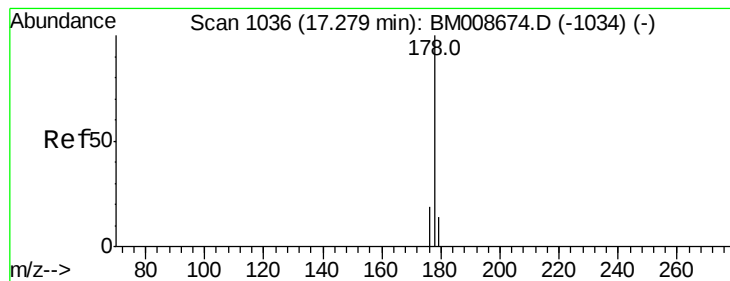
#12

Phenanthrene

Concen: 29.80 ng/ul m
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.09 min
 Lab File: BM008675.D
 Acq: 27 Dec 2016 16:02

Tgt Ion:178 Resp: 575497
 Ion Ratio Lower Upper
 178 100
 176 19.8 18.4 27.6
 179 15.2 13.6 20.4





#13

Anthracene

Concen: 5.48 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.12 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

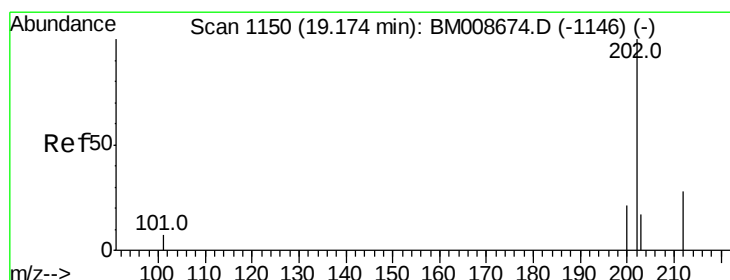
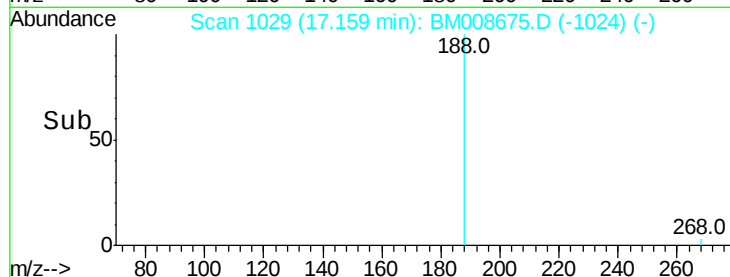
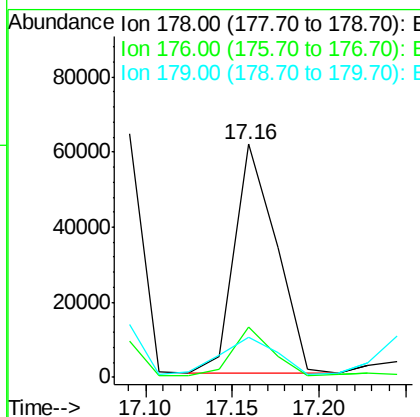
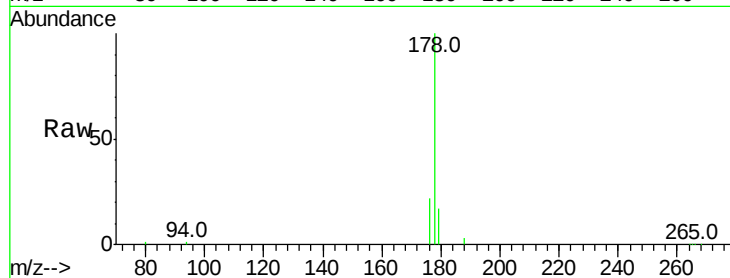
ClientSampleId :

DA863

Tot Ion:	178	Resp:	102787
Ion Ratio	Lower	Upper	
178	100		
176	21.7	18.1	27.1
179	17.4	14.7	22.1

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#15

Fluoranthene

Concen: 33.12 ng/ul

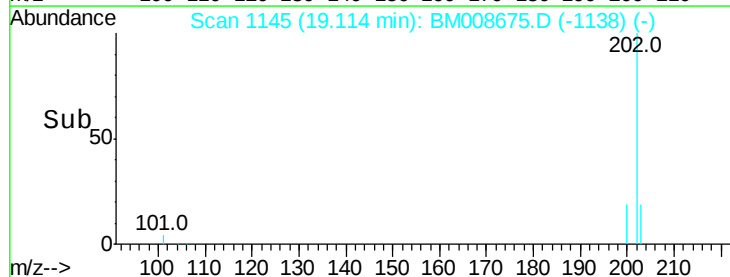
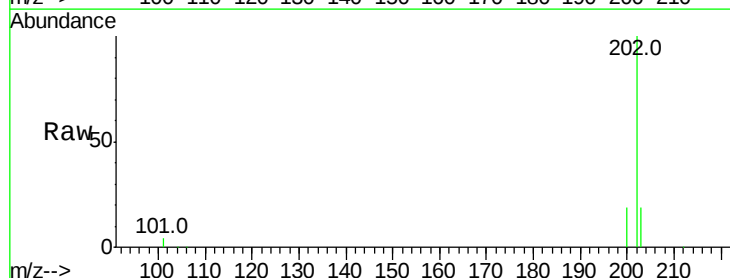
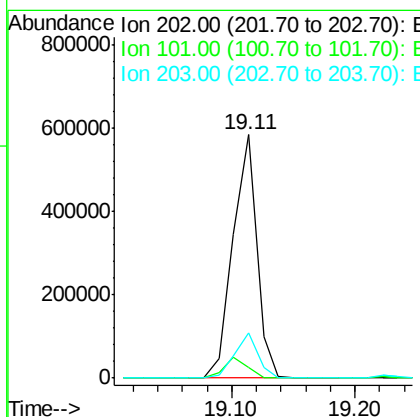
RT: 19.11 min Scan# 1145

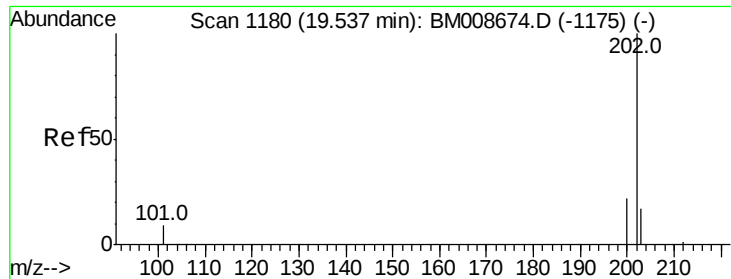
Delta R.T. -0.06 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Tgt Ion:	202	Resp:	784155
Ion Ratio	Lower	Upper	
202	100		
101	4.4	0.0	30.3
203	18.7	0.0	39.5





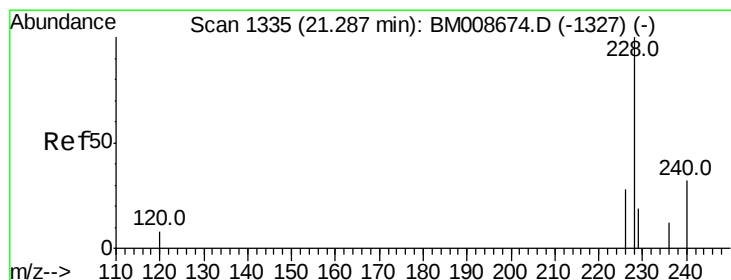
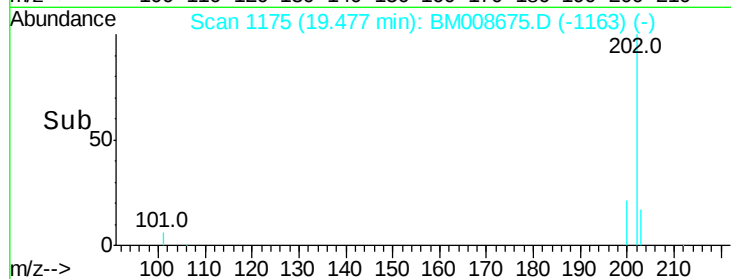
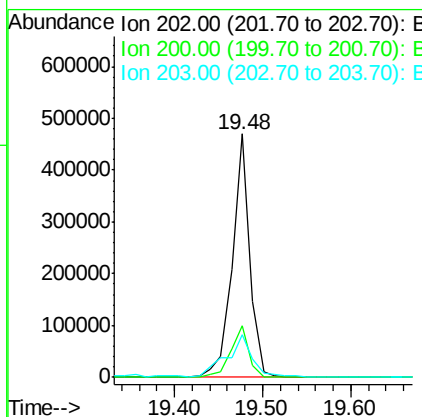
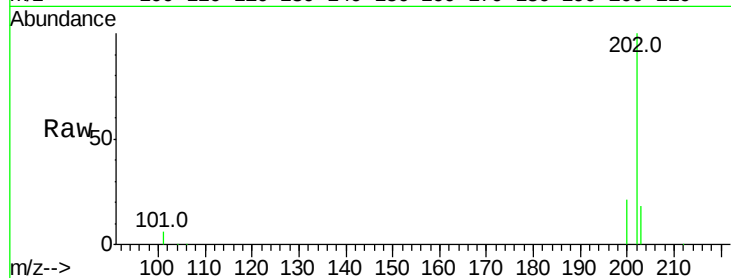
#17
Pvrene
Concen: 39.70 ng/ul
RT: 19.48 min Scan# 1175
Delta R.T. -0.06 min
Lab File: BM008675.D
Acq: 27 Dec 2016 16:02

Instrument :
BNA_M
ClientSampleId :
DA863

Tot Ion:	202	Resp:	650370
Ion Ratio	Lower	Upper	
202	100		
200	21.1	18.2	27.4
203	17.7	15.6	23.4

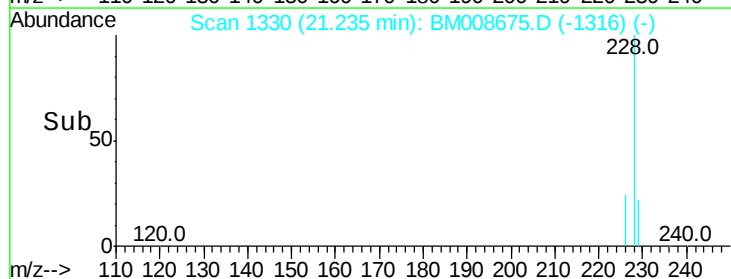
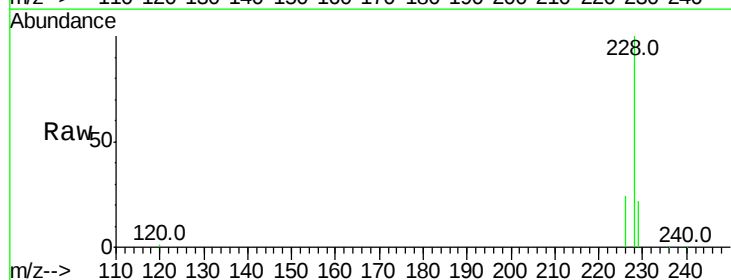
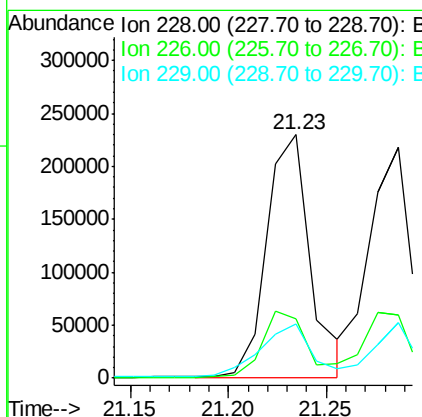
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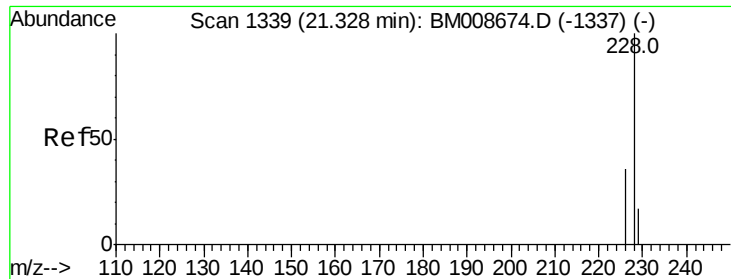
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#18
Benzo(a)anthracene
Concen: 25.54 ng/ul m
RT: 21.23 min Scan# 1330
Delta R.T. -0.05 min
Lab File: BM008675.D
Acq: 27 Dec 2016 16:02

Tgt Ion:	228	Resp:	355429
Ion Ratio	Lower	Upper	
228	100		
226	24.4	22.8	34.2
229	22.4	17.0	25.6





#19

Chrysene

Concen: 20.53 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

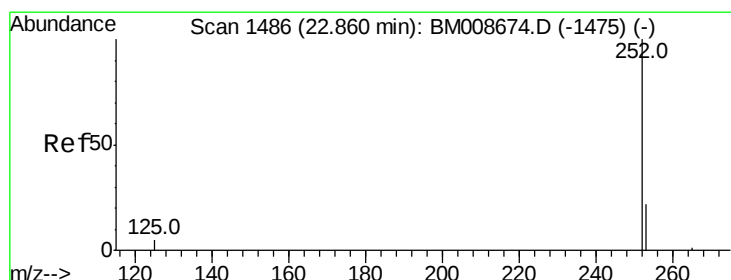
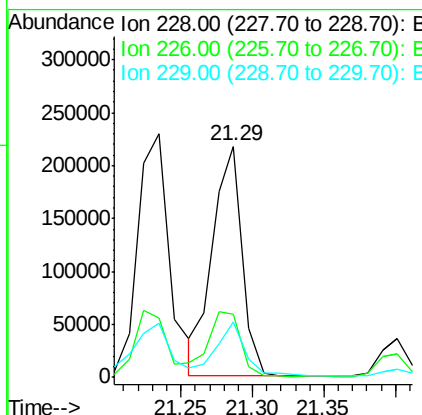
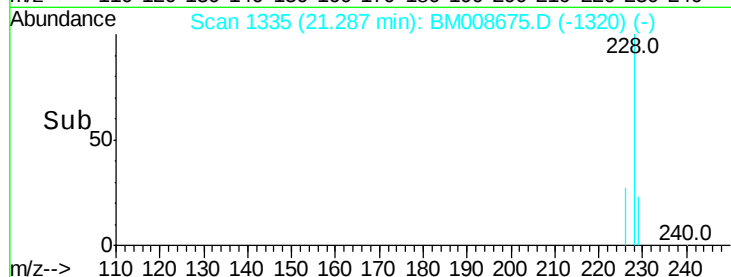
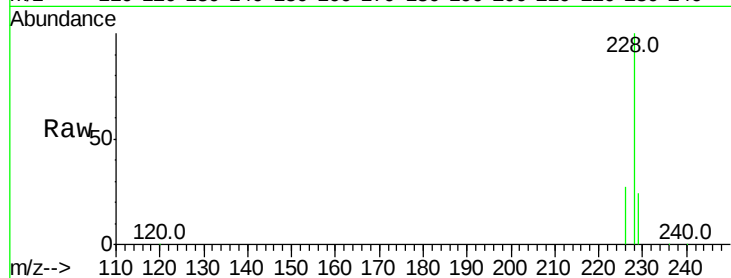
ClientSampleId :

DA863

Tot Ion:	228	Resp:	312843
Ion Ratio	Lower	Upper	
228	100		
226	27.1	23.4	35.0
229	23.8	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 45.60 ng/ul m

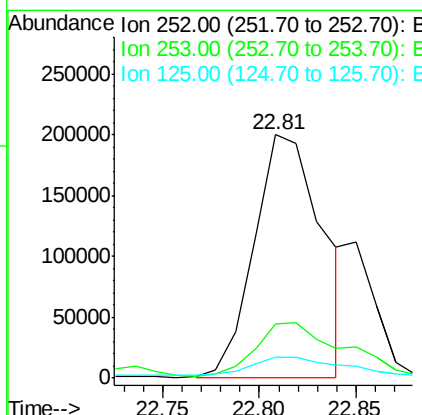
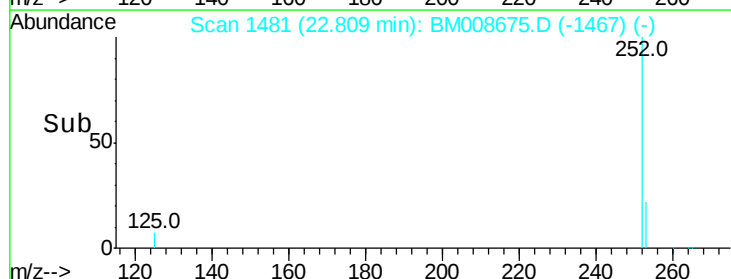
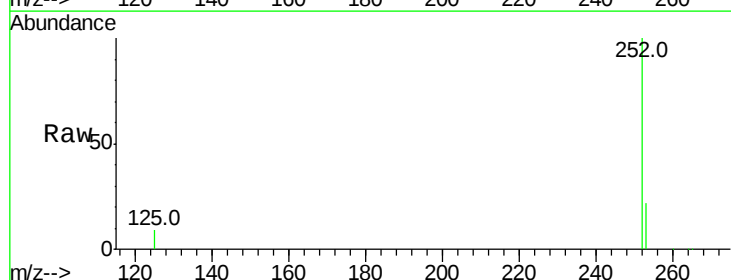
RT: 22.81 min Scan# 1481

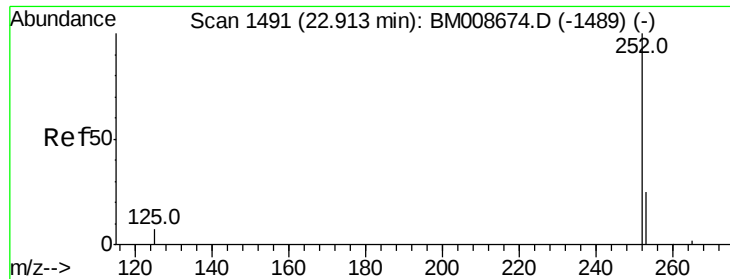
Delta R.T. -0.05 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Tgt Ion:	252	Resp:	497291
Ion Ratio	Lower	Upper	
252	100		
253	22.0	0.0	64.2
125	8.8	0.0	35.0





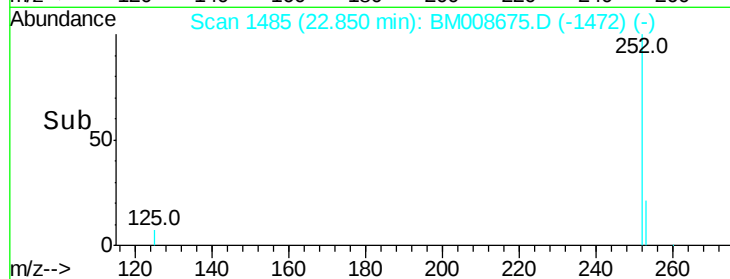
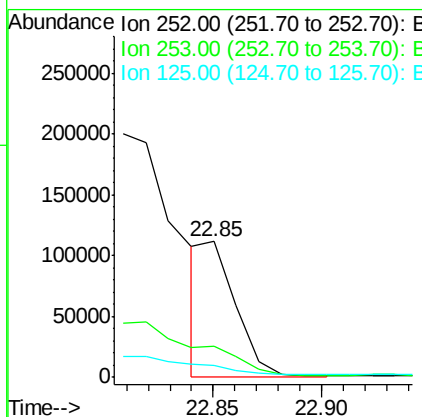
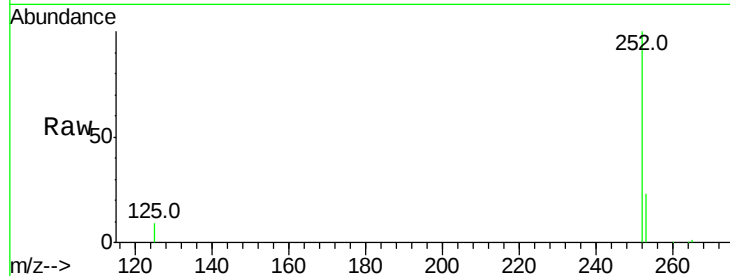
#22
Benzo(k)fluoranthene
Concen: 11.13 ng/ul m
RT: 22.85 min Scan# 1485
Delta R.T. -0.06 min
Lab File: BM008675.D
Acq: 27 Dec 2016 16:02

Instrument :
BNA_M
ClientSampleId :
DA863

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	24.5	36.7#
125	8.9	13.7	20.5#

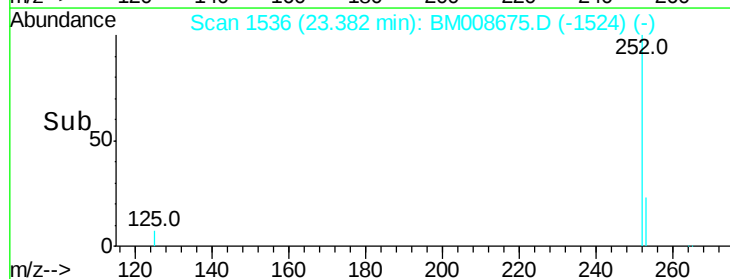
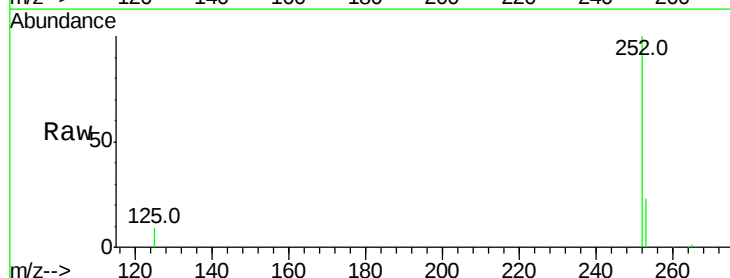
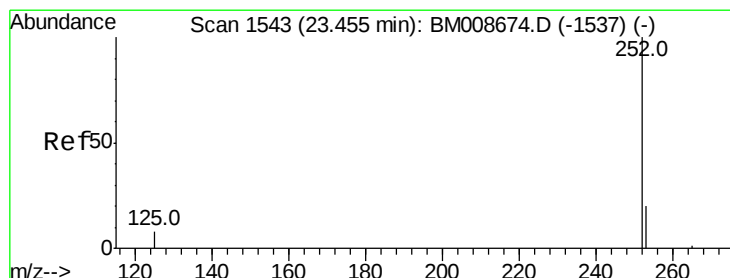
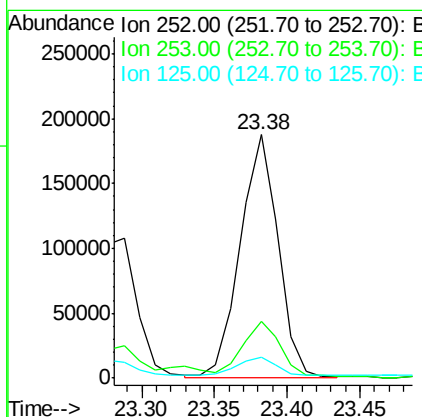
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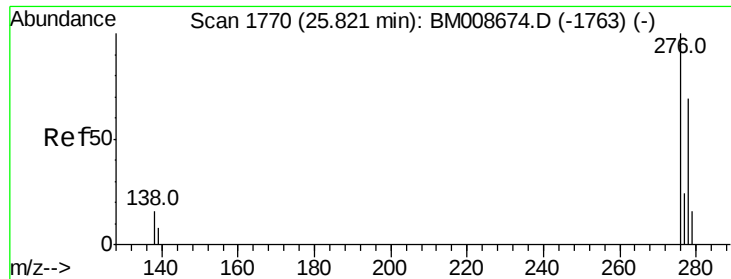
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#23
Benzo(a)pyrene
Concen: 33.89 ng/ul m
RT: 23.38 min Scan# 1536
Delta R.T. -0.07 min
Lab File: BM008675.D
Acq: 27 Dec 2016 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	28.5	42.7#
125	8.7	18.1	27.1#





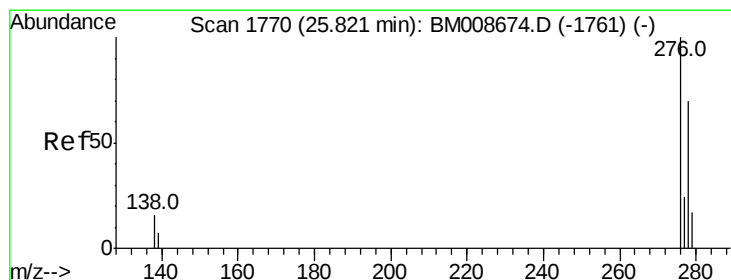
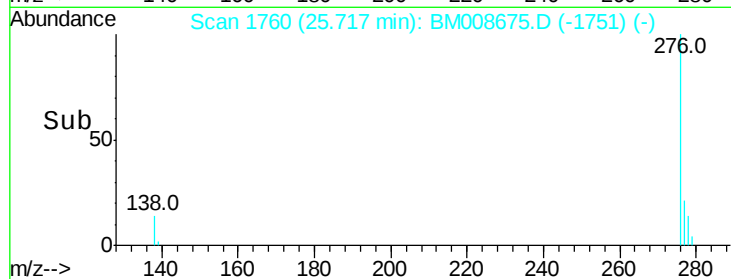
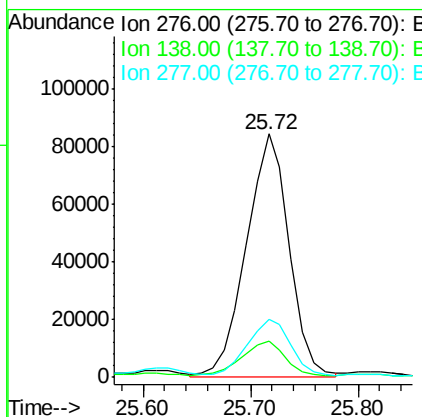
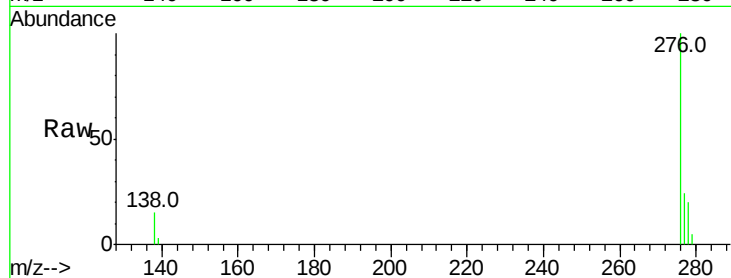
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 19.23 ng/ul m
 RT: 25.72 min Scan# 1760
 Delta R.T. -0.10 min
 Lab File: BM008675.D
 Acq: 27 Dec 2016 16:02

Instrument :
 BNA_M
 ClientSampleId :
 DA863

Tot Ion	Ratio	Resp	Lower	Upper
276	100	231663		
138	1.7	19.1	28.7#	
277	2.6	19.6	29.4#	

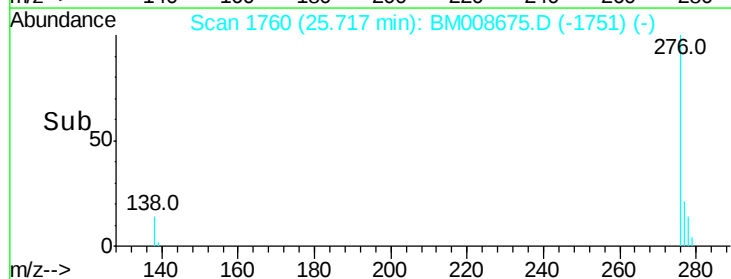
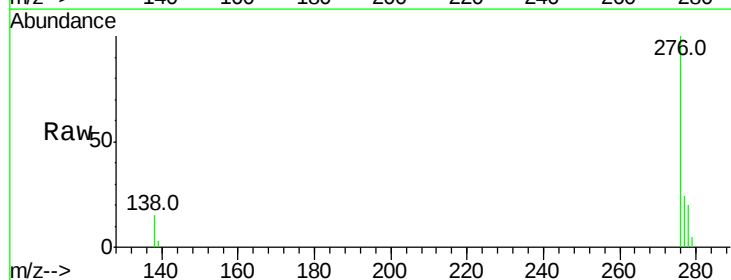
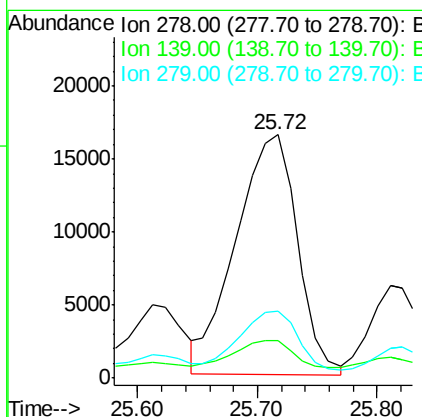
Manual Integrations
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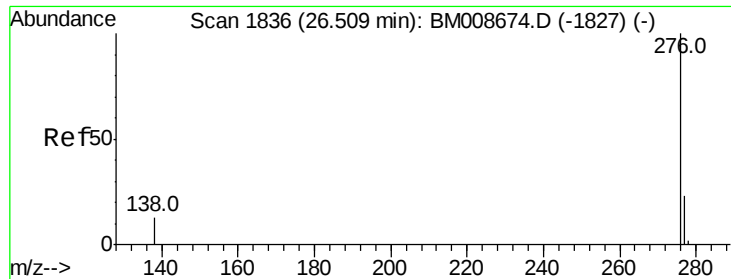
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#25
 Dibenzo(a,h)anthracene
 Concen: 6.10 ng/ul m
 RT: 25.72 min Scan# 1760
 Delta R.T. -0.10 min
 Lab File: BM008675.D
 Acq: 27 Dec 2016 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	58736		
139	15.2	17.4	26.0#	
279	27.7	25.9	38.9	





#26
 Benzo(a,h,i)perylene
 Concen: 18.93 ng/ul m
 RT: 26.40 min Scan# 1826
 Delta R.T. -0.10 min
 Lab File: BM008675.D
 Acq: 27 Dec 2016 16:02

Instrument :
 BNA_M
 ClientSampleId :
 DA863

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.1	21.8	32.8
138	15.4	20.5	30.7

Manual Integrations
 APPROVED

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