

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
 Data File : BM003592.D
 Acq On : 16 Dec 2015 23:55
 Operator : UM/IZ
 Sample : G4767-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N38

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:16 PM

Quant Time: Dec 17 08:07:32 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3396	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	14536	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9131	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	14777m	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	12709	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	13753m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	13026	8.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	4331	0.25	ng/ul	-0.01
16) Fluoranthene-d10	19.15	212	8612m	0.27	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.55	128	1241862	37.92	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	420606	19.13	ng/ul	100
9) Acenaphthylene	14.07	152	74099	2.12	ng/ul#	92
10) Acenaphthene	14.42	153	780268	27.75	ng/ul	88
11) Fluorene	15.41	166	734909	23.58	ng/ul	85
14) Phenanthrene	17.14	178	2846750m	74.69	ng/ul	
15) Anthracene	17.23	178	231925	7.03	ng/ul#	94
17) Fluoranthene	19.17	202	1553921	37.54	ng/ul	97
19) Pyrene	19.54	202	1071022	31.22	ng/ul	98
20) Benzo(a)anthracene	21.29	228	222085	7.16	ng/ul	95
21) Chrysene	21.34	228	177029	4.98	ng/ul	96
23) Benzo(b)fluoranthene	22.87	252	108740m	2.32	ng/ul	
24) Benzo(k)fluoranthene	22.91	252	35116m	0.83	ng/ul	
25) Benzo(a)pyrene	23.45	252	65424m	1.65	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.81	276	19827m	0.43	ng/ul	
27) Dibenzo(a,h)anthracene	25.82	278	5150m	0.14	ng/ul	
28) Benzo(g,h,i)perylene	26.51	276	15142m	0.38	ng/ul	

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

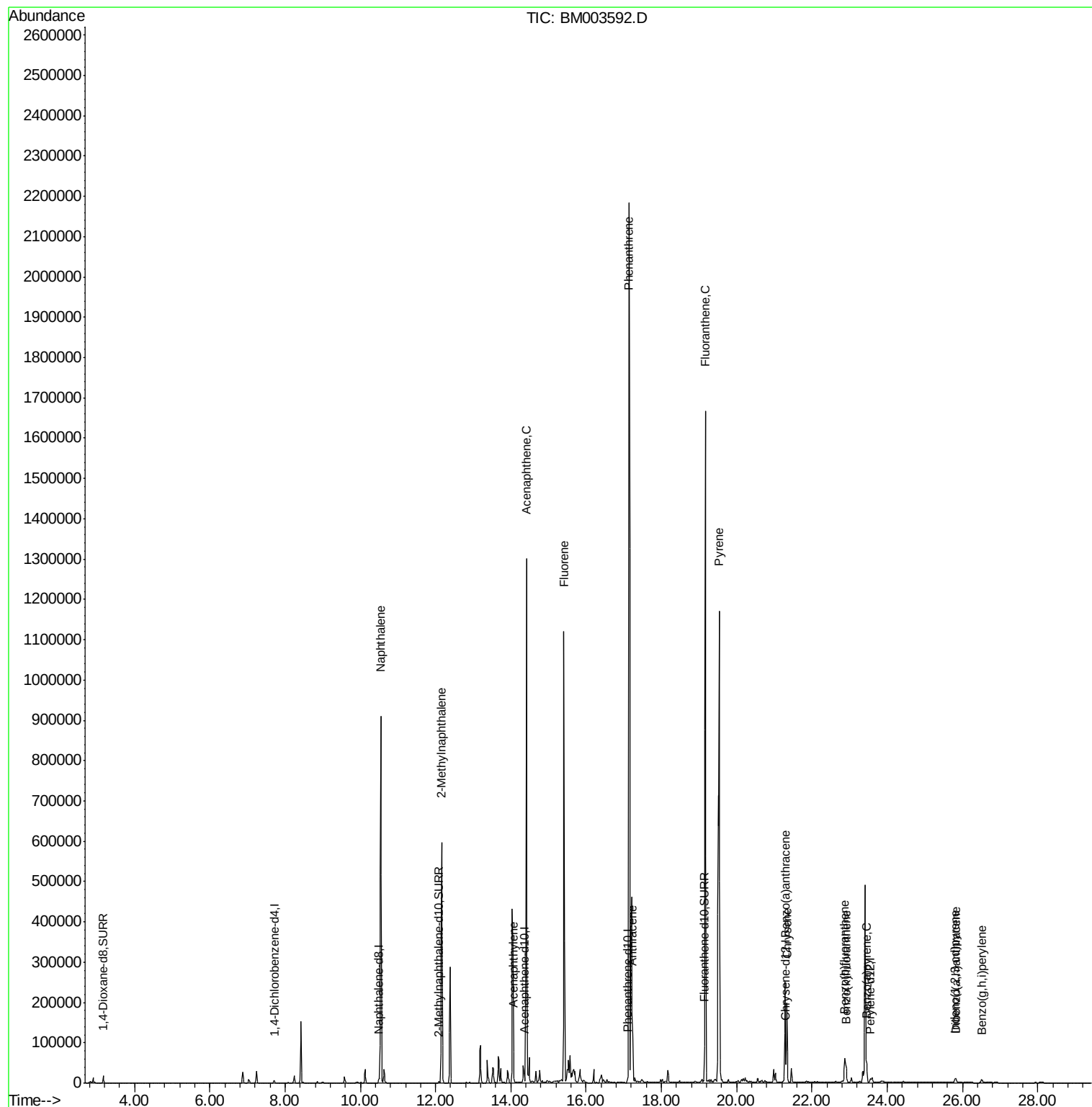
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003592.D
Acq On : 16 Dec 2015 23:55
Operator : UM/IZ
Sample : G4767-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

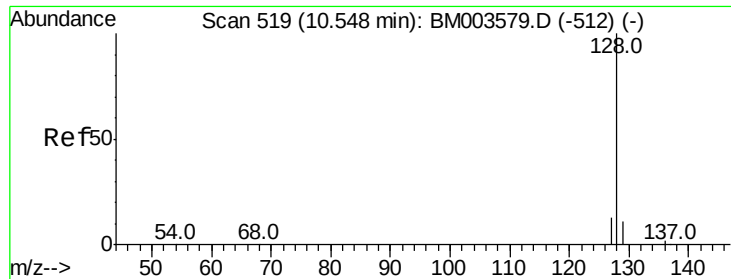
Instrument :
BNA_M
ClientSampleId :
D9N38

Manual Integrations
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MMdadoda
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Quant Time: Dec 17 08:07:32 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 37.92 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

Tot Ion:128 Resp: 1241862

Ion Ratio Lower Upper

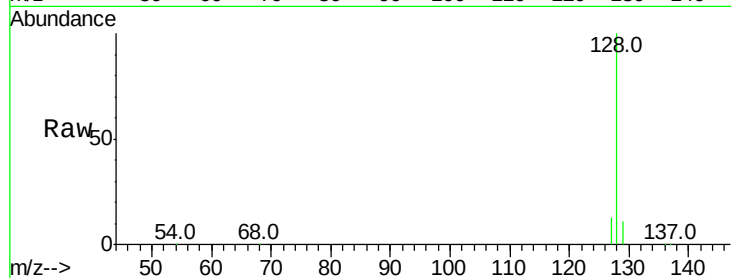
128 100

129 11.1 9.0 13.6

127 12.9 9.6 14.4

Manual Integrations
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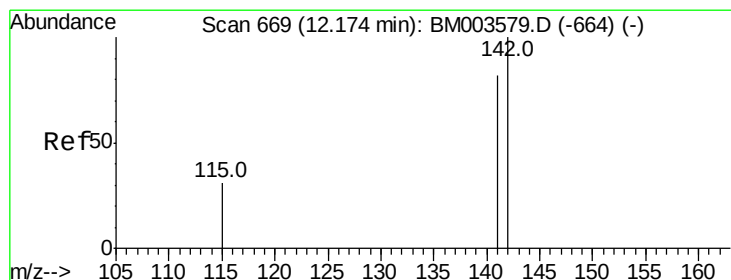
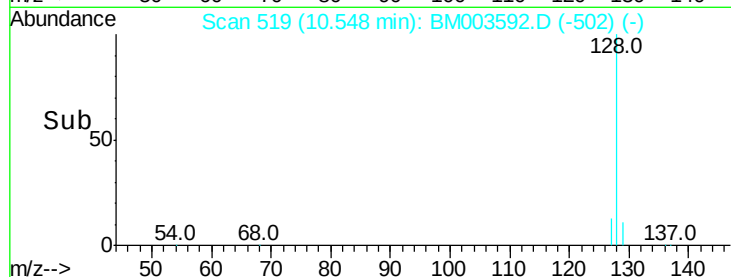
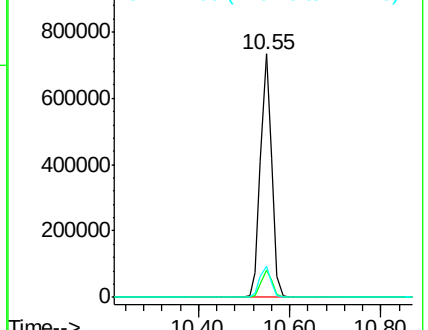
MMdadoda
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 19.13 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003592.D

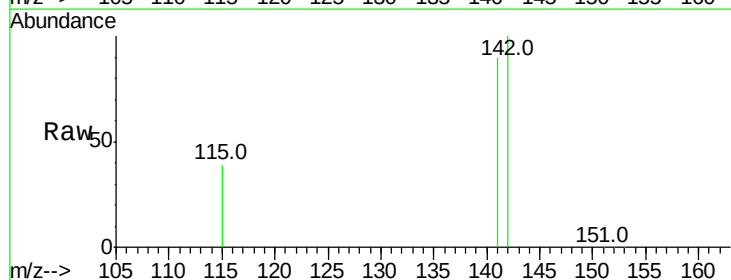
Acq: 16 Dec 2015 23:55

Tgt Ion:142 Resp: 420606

Ion Ratio Lower Upper

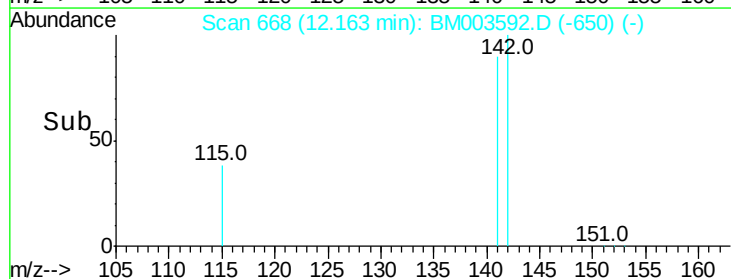
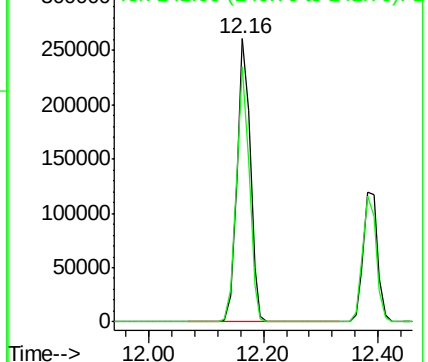
142 100

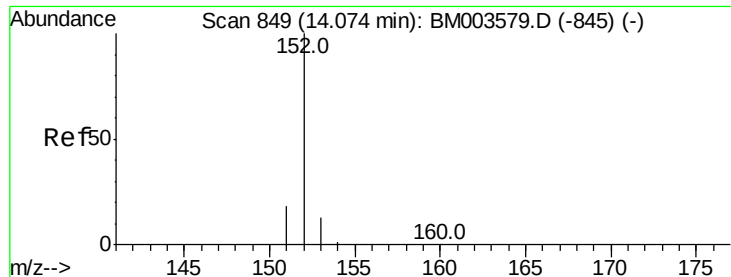
141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 2.12 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

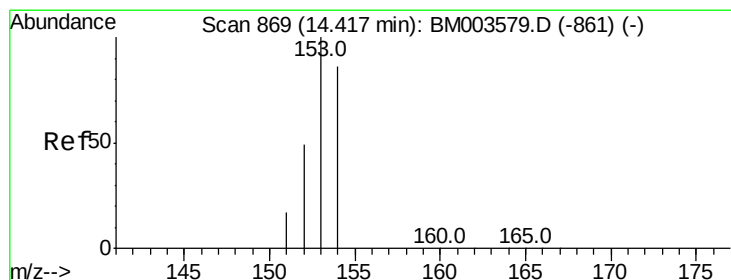
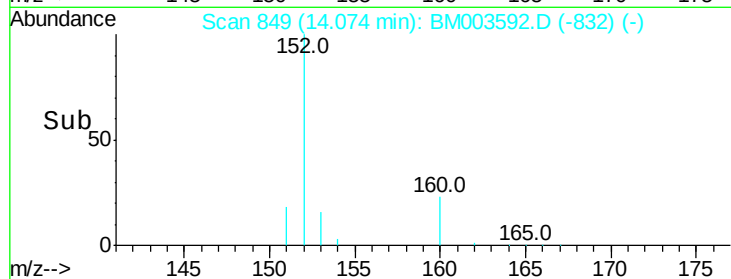
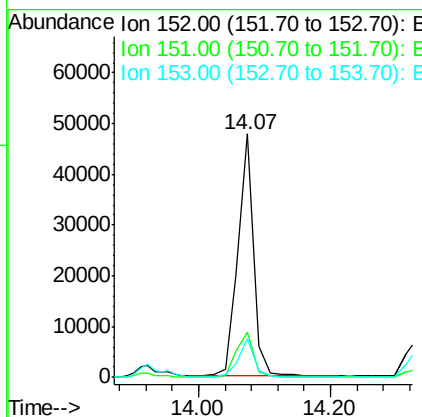
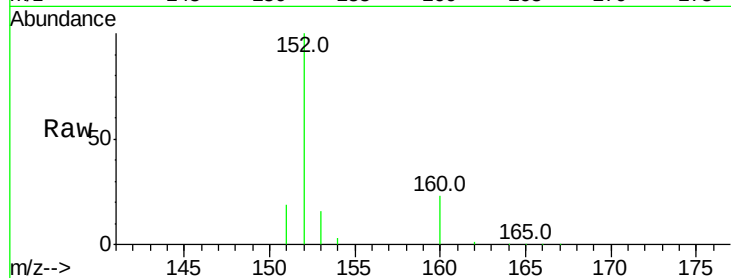
ClientSampleId :

D9N38

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Tot Ion	Ratio	Lower	Upper
152	100		
151	18.6	17.6	26.4
153	16.1	9.7	14.5#



#10

Acenaphthene

Concen: 27.75 ng/ul

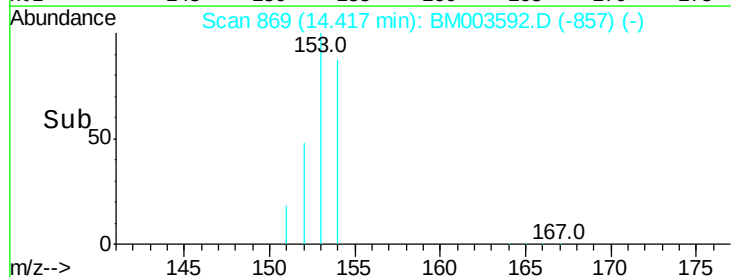
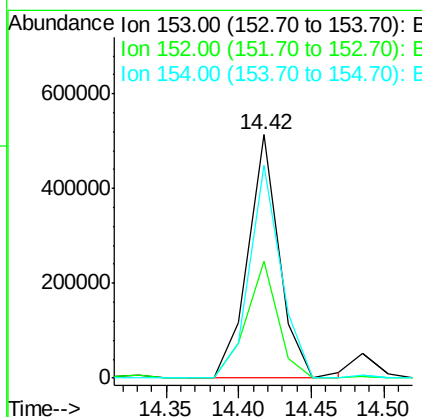
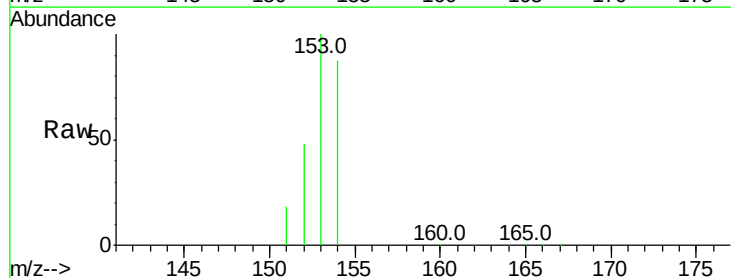
RT: 14.42 min Scan# 869

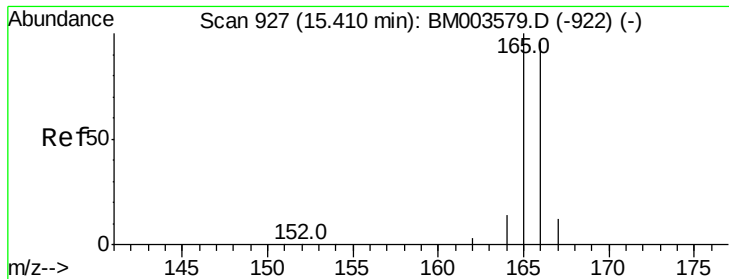
Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.1	33.9	50.9
154	87.4	80.6	121.0





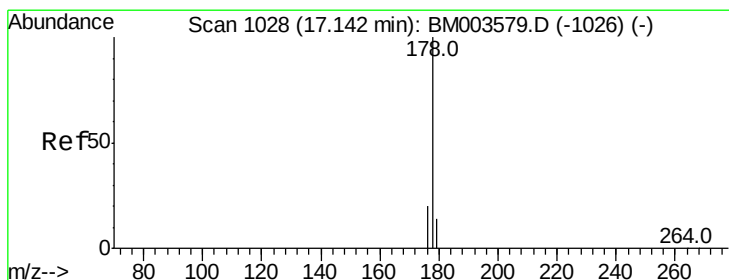
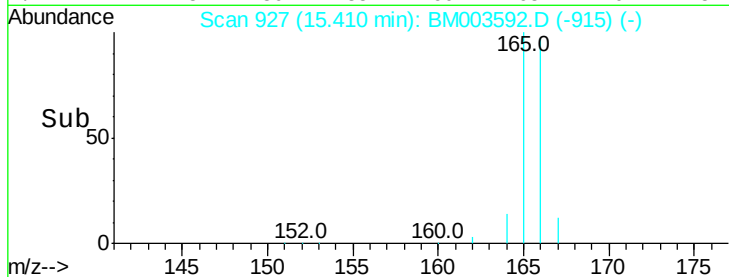
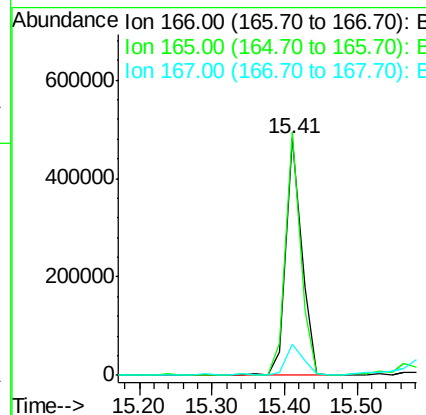
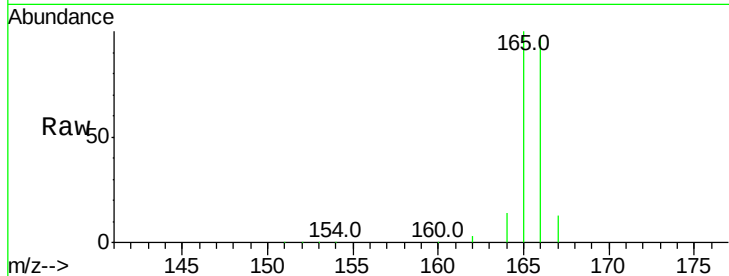
#11
Fluorene
Concen: 23.58 ng/ul
RT: 15.41 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Instrument :
BNA_M
ClientSampleId :
D9N38

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.7	69.6	104.4
167	13.0	11.9	17.9

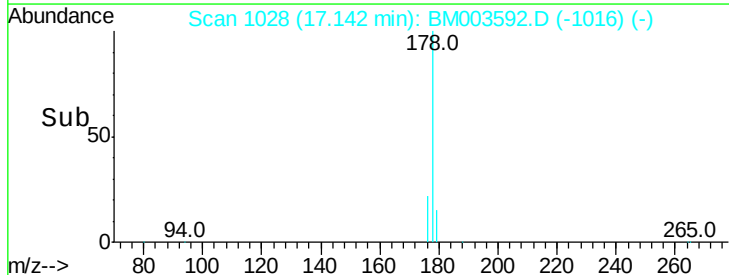
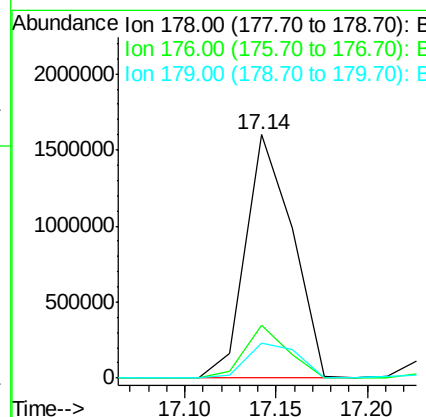
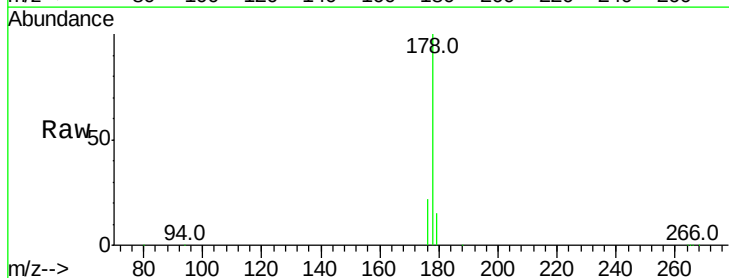
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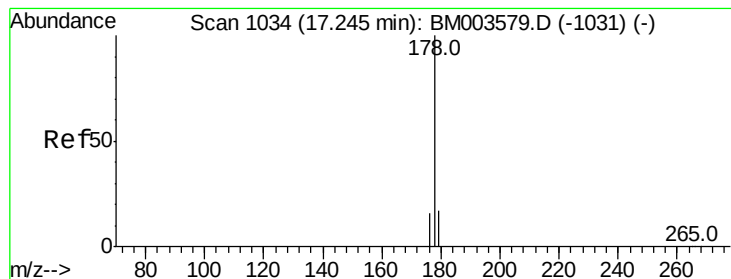
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#14
Phenanthrene
Concen: 74.69 ng/ul m
RT: 17.14 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.7	13.0	19.4#
179	14.6	14.2	21.2





#15

Anthracene

Concen: 7.03 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

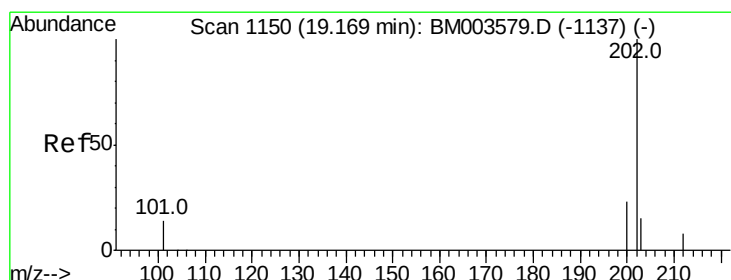
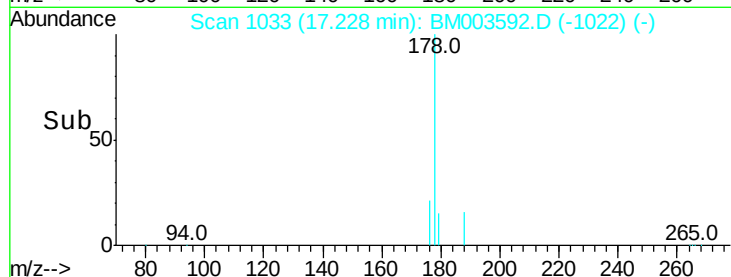
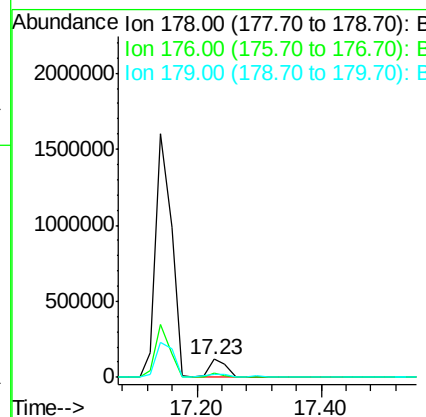
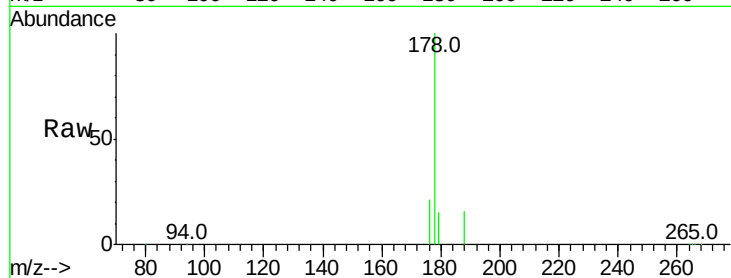
ClientSampleId :

D9N38

Manual Integrations
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Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	14.0	21.0#
179	14.7	12.9	19.3



#17

Fluoranthene

Concen: 37.54 ng/ul

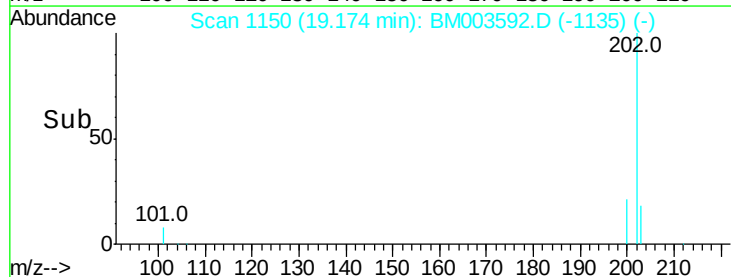
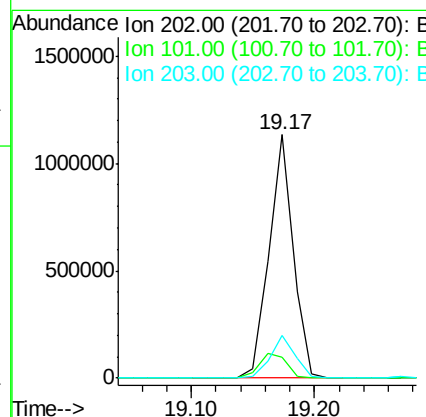
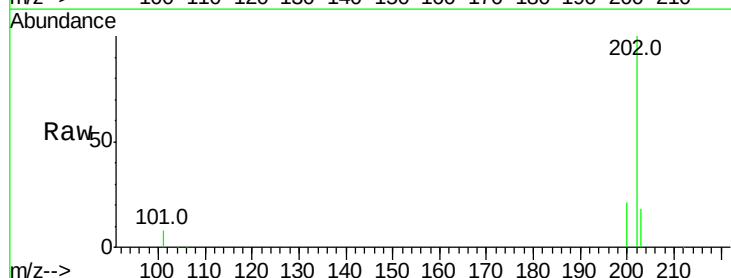
RT: 19.17 min Scan# 1150

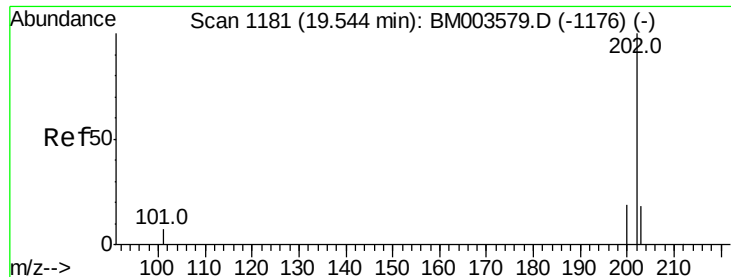
Delta R.T. 0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	29.6
203	17.7	0.0	36.3





#19

Pvrene

Concen: 31.22 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

Tot Ion:202 Resp: 1071022

Ion Ratio Lower Upper

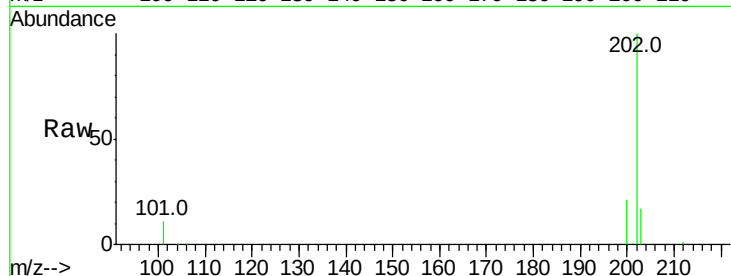
202 100

200 21.4 17.8 26.8

203 17.2 12.8 19.2

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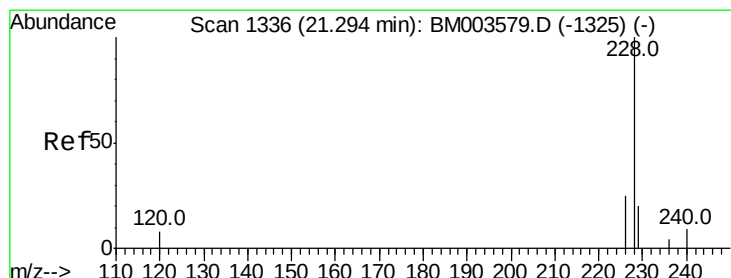
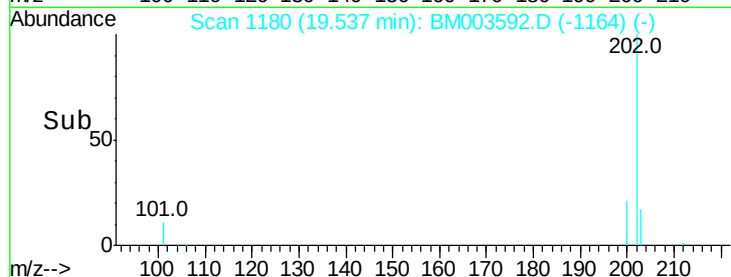
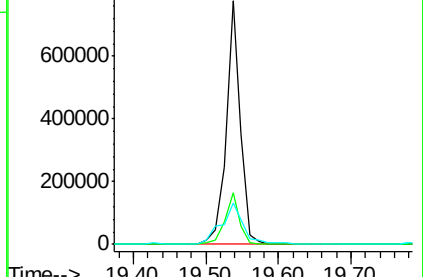
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 7.16 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Tgt Ion:228 Resp: 222085

Ion Ratio Lower Upper

228 100

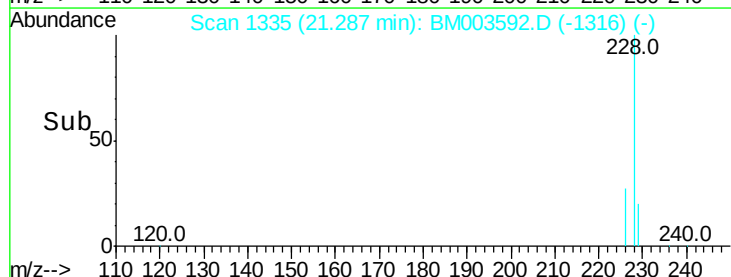
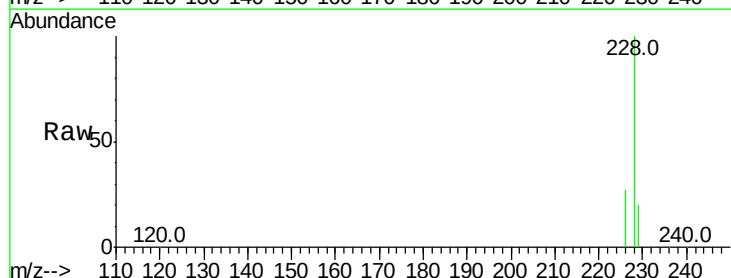
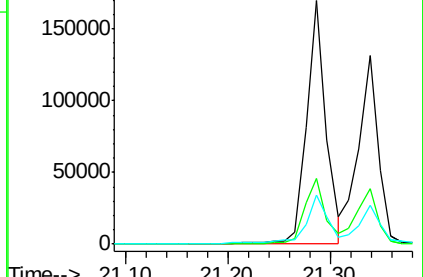
226 27.2 18.8 28.2

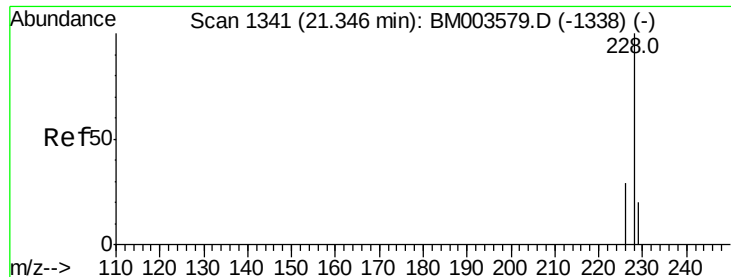
229 20.0 17.1 25.7

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





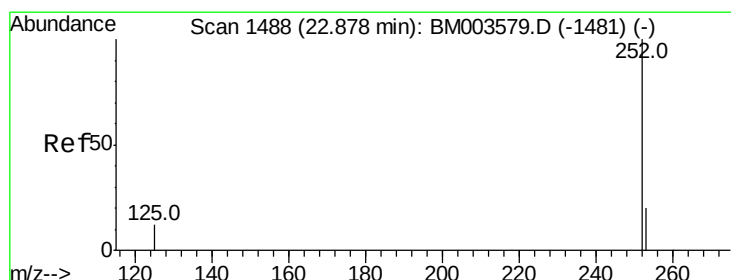
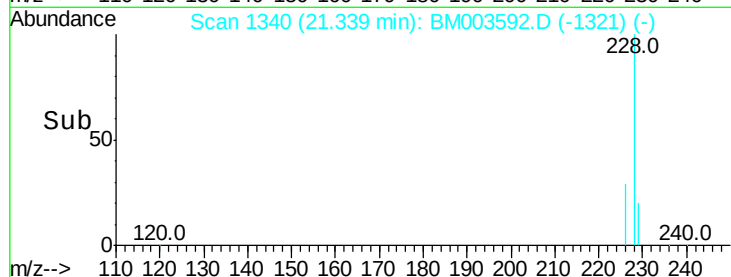
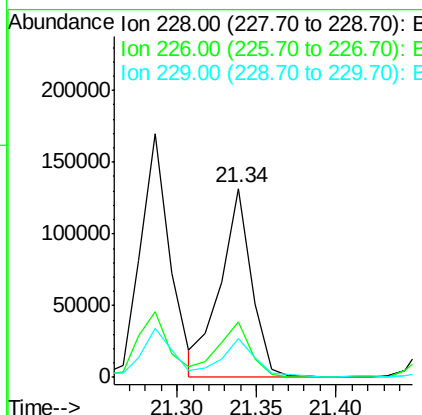
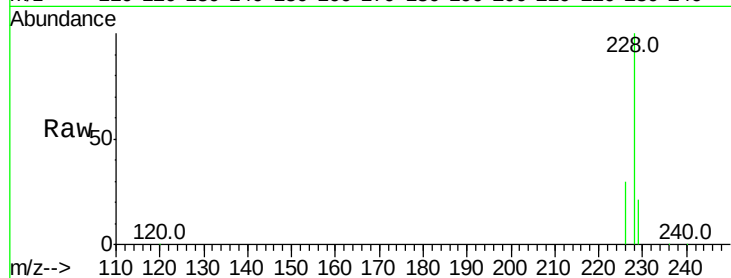
#21
Chrysene
Concen: 4.98 ng/ul
RT: 21.34 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Instrument :
BNA_M
ClientSampleId :
D9N38

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.2	31.8
229	20.7	17.0	25.6

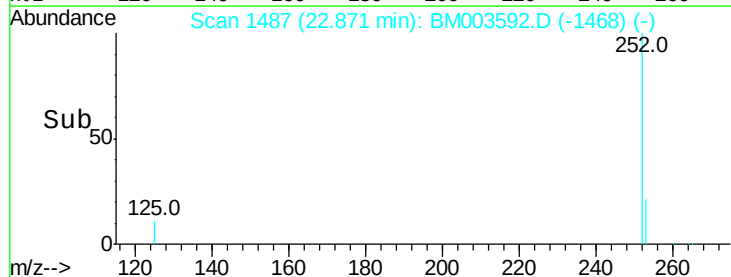
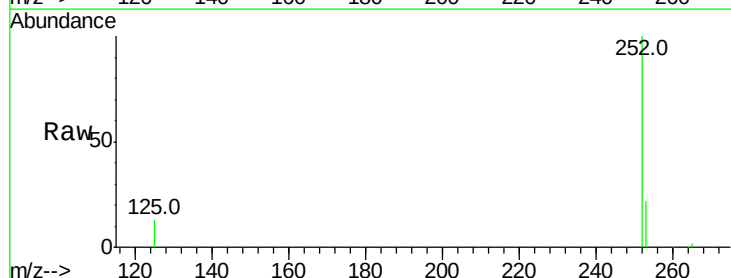
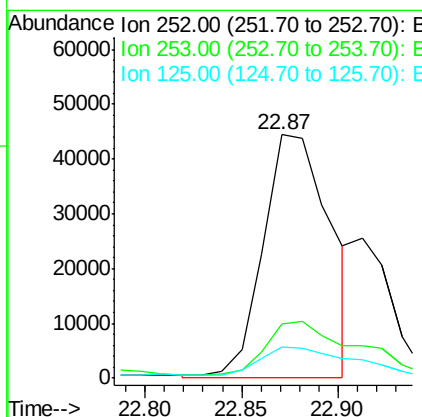
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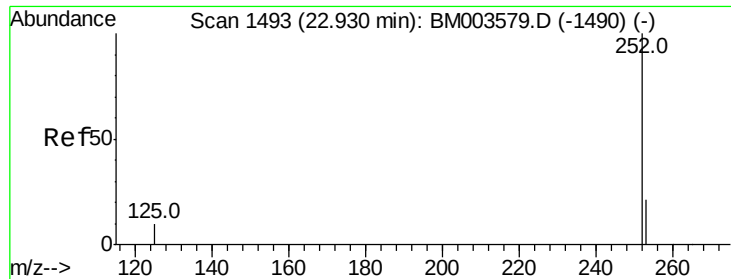
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#23
Benzo(b)fluoranthene
Concen: 2.32 ng/ul m
RT: 22.87 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	45.4
125	12.8	0.0	28.8





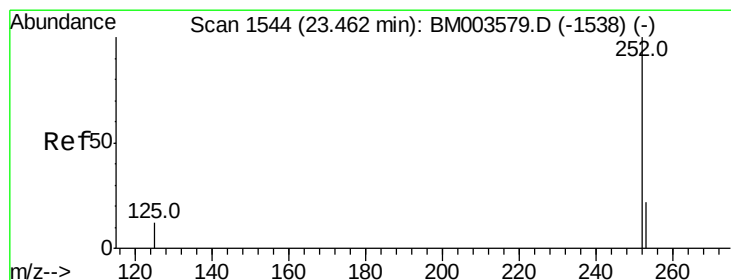
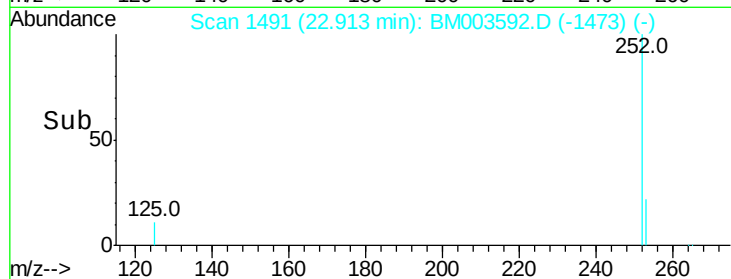
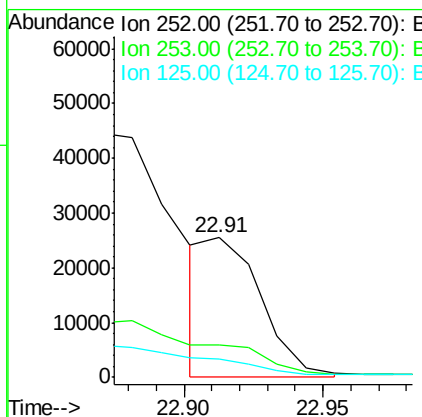
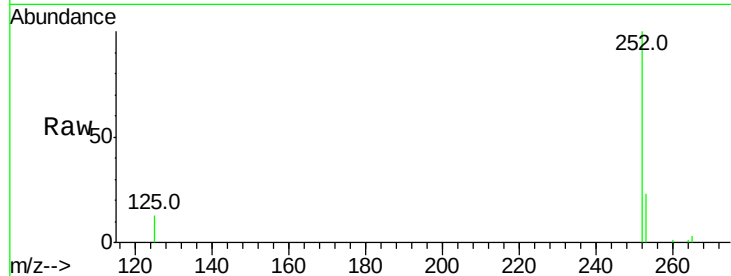
#24
Benzo(k)fluoranthene
Concen: 0.83 ng/ul m
RT: 22.91 min Scan# 1491
Delta R.T. -0.02 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Instrument :
BNA_M
ClientSampleId :
D9N38

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.8	29.8
125	13.0	10.4	15.6

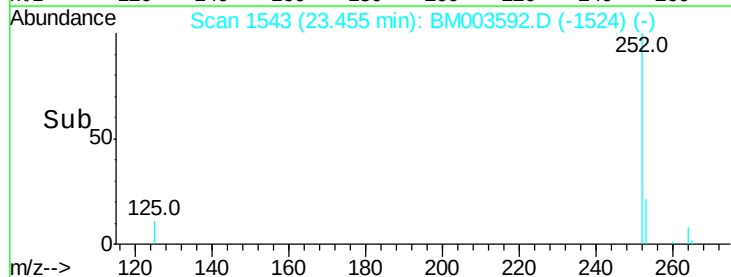
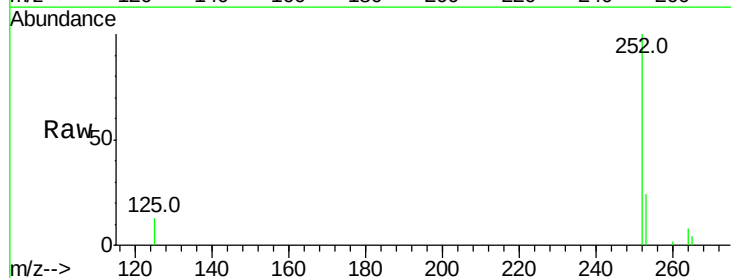
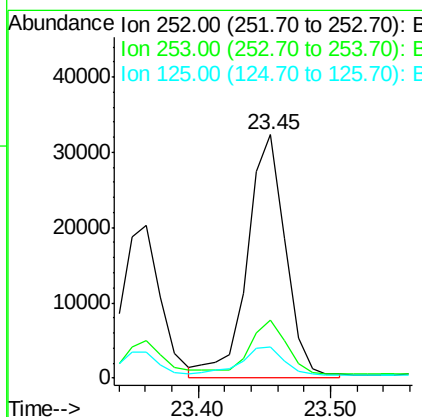
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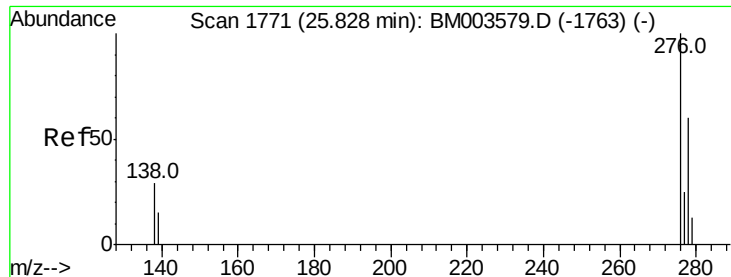
MMdadoda
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#25
Benzo(a)pyrene
Concen: 1.65 ng/ul m
RT: 23.45 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.4	29.2
125	12.8	12.7	19.1





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.43 ng/ul m

RT: 25.81 min Scan# 1769

Delta R.T. -0.02 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

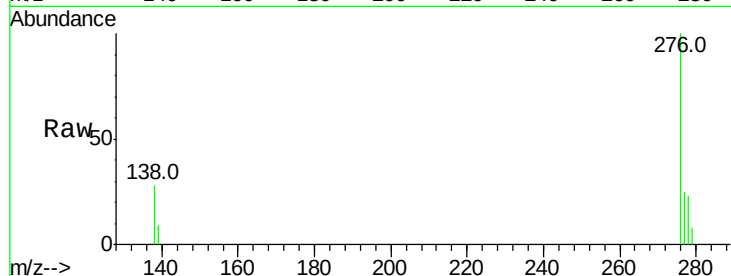
BNA_M

ClientSampleId :

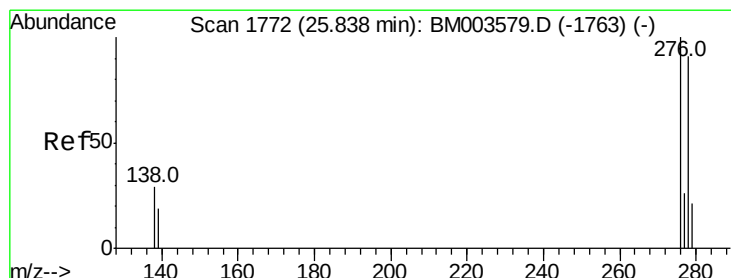
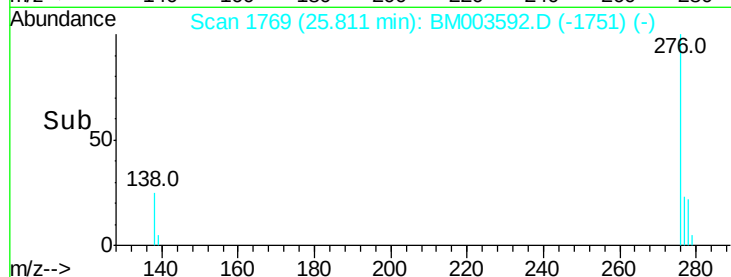
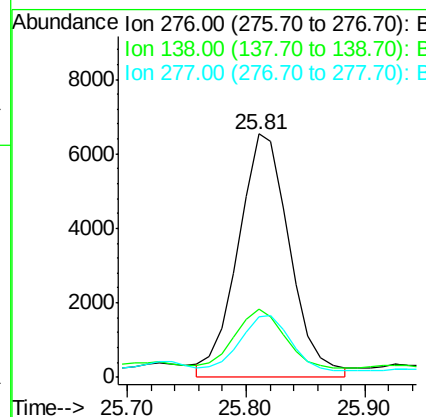
D9N38

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:16 PM



Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	16.3	24.5#
277	4.9	19.8	29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.14 ng/ul m

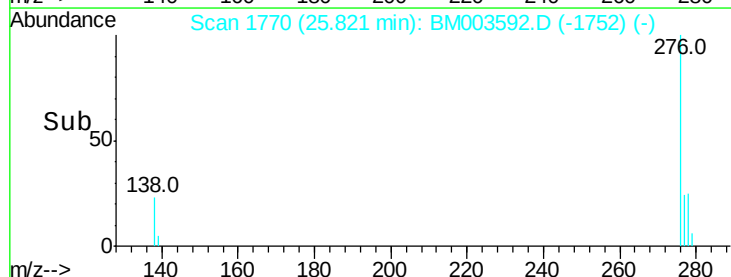
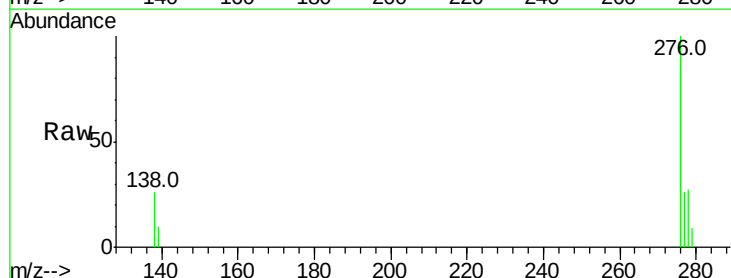
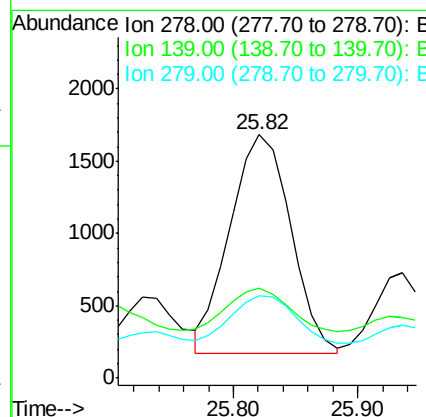
RT: 25.82 min Scan# 1770

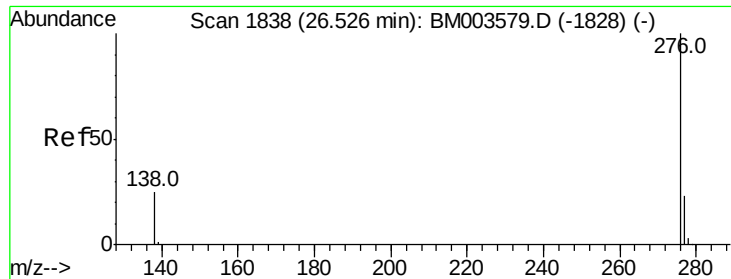
Delta R.T. -0.02 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.8	16.4	24.6#
279	34.0	20.2	30.2#





#28

Benzo(a,h,i)perylene

Concen: 0.38 ng/ul m

RT: 26.51 min Scan# 1836

Delta R.T. -0.02 min

Lab File: BM003592.D

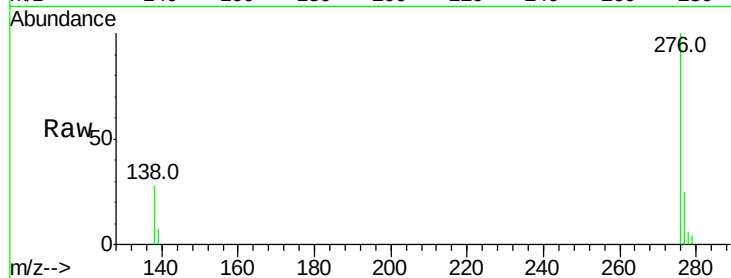
Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38



Tot Ion:	276	Resp:	15142
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.9	28.3
138	28.4	22.5	33.7

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:16 PM

