

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002358.D
 Acq On : 12 Aug 2015 13:22
 Operator : UM/IZ
 Sample : G3163-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C91

Manual Integrations
 APPROVED

MMDadoda
 8/13/2015 10:56:52 AM

Quant Time: Aug 12 18:00:20 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	205288	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	953660	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	523036	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	964504	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	649723	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	617675	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1507461	27.82	ng/ul	0.00
10) Fluorene-d10	16.46	176	972310	25.80	ng/ul	0.00
14) Anthracene-d10	18.29	188	1271760	27.17	ng/ul	0.00
18) Pyrene-d10	20.51	212	1027416	32.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	846712	25.82	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	11.82	128	78249	1.56	ng/ul	98
4) 2-Methylnaphthalene	13.37	142	66881	1.86	ng/ul	98
5) 1-Methylnaphthalene	13.58	142	50800m	1.44	ng/ul	
13) Phenanthrene	18.23	178	526894	9.49	ng/ul	100
15) Anthracene	18.33	178	126873	2.21	ng/ul	99
16) Fluoranthene	20.18	202	905420	14.73	ng/ul	99
19) Pyrene	20.54	202	713273	16.98	ng/ul	97
20) Benzo(a)anthracene	22.26	228	371834	9.38	ng/ul	98
21) Chrysene	22.32	228	414248m	11.02	ng/ul	
23) Benzo(b)fluoranthene	24.14	252	571414	14.88	ng/ul	97
24) Benzo(k)fluoranthene	24.19	252	189608m	5.14	ng/ul	
26) Benzo(a)pyrene	24.86	252	367650	10.01	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	27.83	276	292758	6.95	ng/ul	94
28) Dibenzo(a,h)anthracene	27.81	278	85464	2.40	ng/ul#	76
29) Benzo(a,h,i)perylene	28.71	276	295564	8.32	ng/ul	97

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

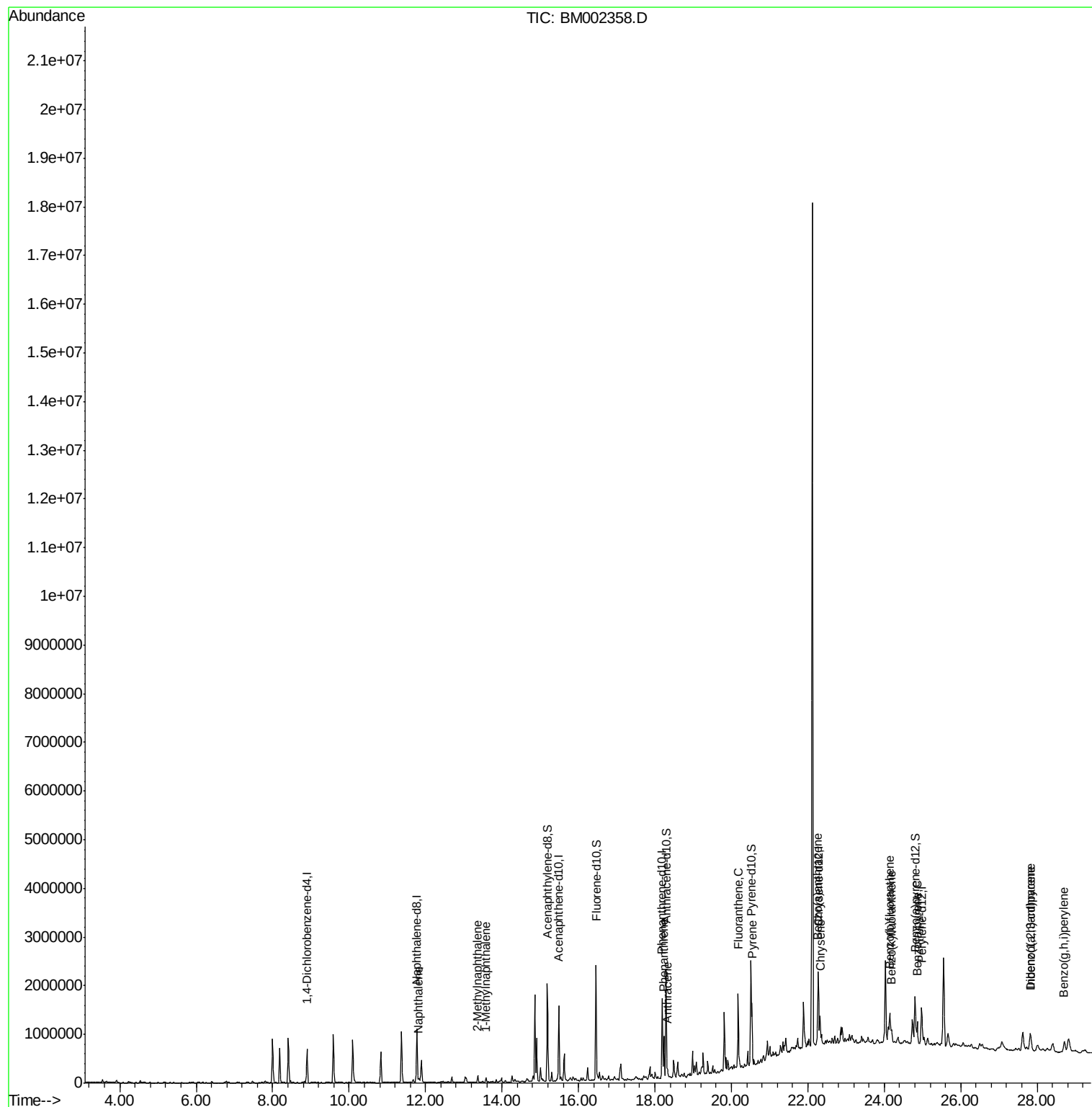
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
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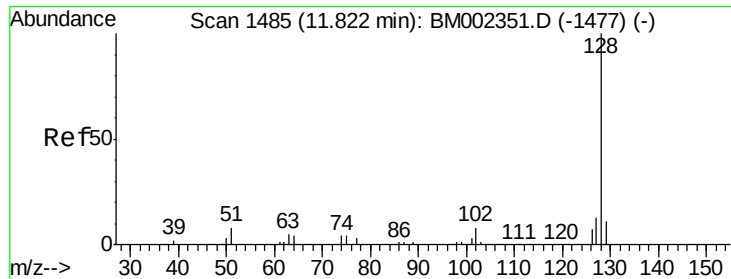
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Quant Time: Aug 12 18:00:20 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 04:50:31 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.56 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

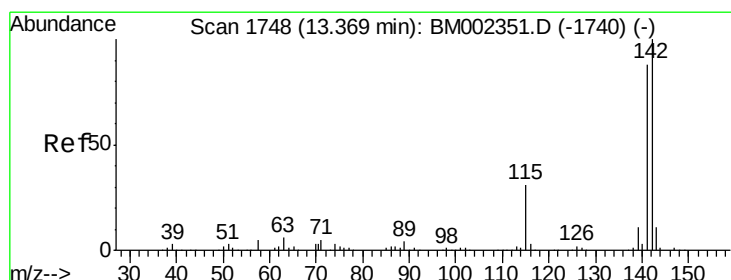
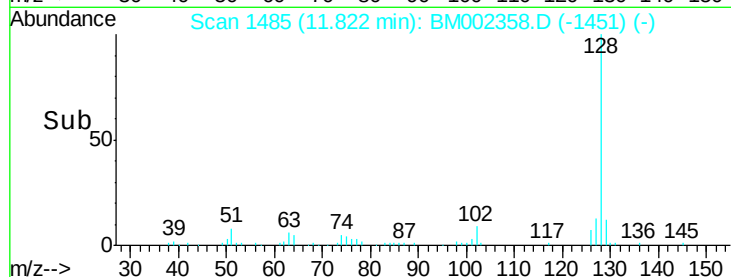
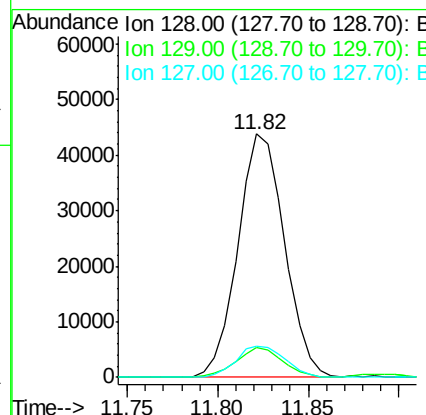
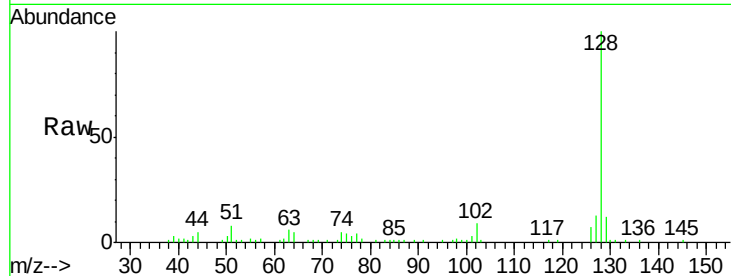
ClientSampleId :

D9C91

Tot Ion:	128	Resp:	78249
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.6	12.8
127	12.8	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 1.86 ng/ul

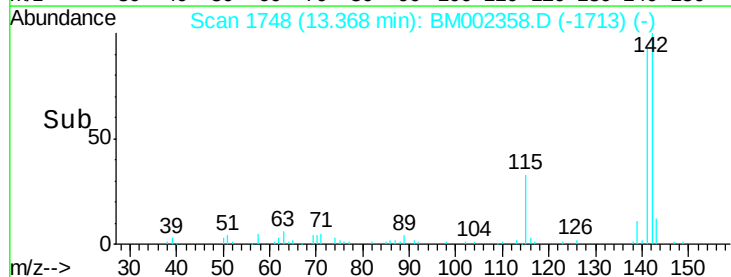
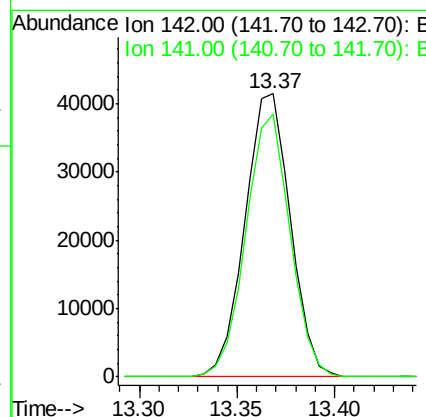
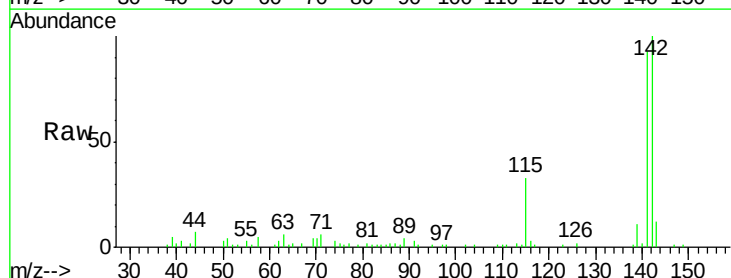
RT: 13.37 min Scan# 1748

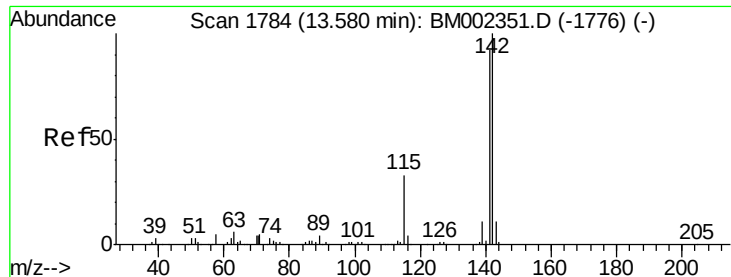
Delta R.T. 0.01 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Tgt Ion:	142	Resp:	66881
Ion Ratio	Lower	Upper	
142	100		
141	92.7	72.5	108.7





#5

1-Methylnaphthalene

Concen: 1.44 ng/ul m

RT: 13.58 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

ClientSampleId :

D9C91

Tot Ion:142 Resp: 50800

Ion Ratio Lower Upper

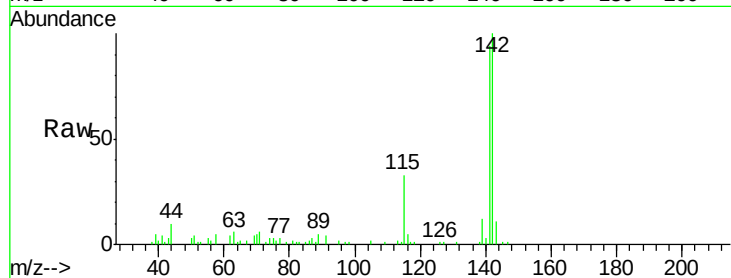
142 100

141 94.2 74.5 111.7

116 4.6 3.0 4.4#

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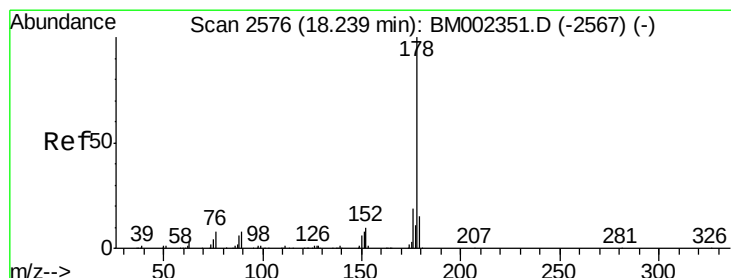
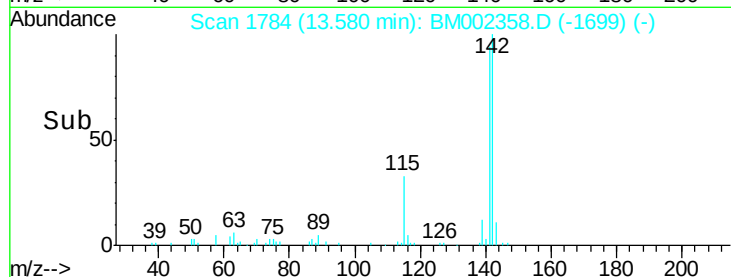
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

13.58

Time-->



#13

Phenanthrene

Concen: 9.49 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

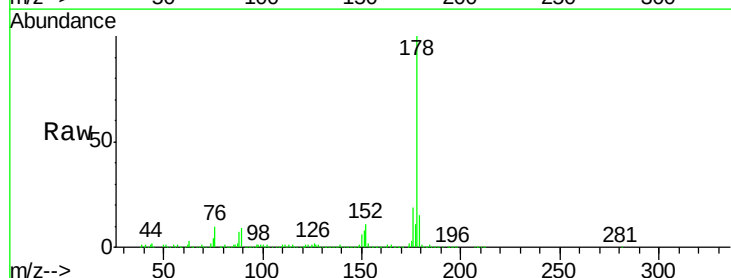
Tgt Ion:178 Resp: 526894

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 18.9 15.3 22.9



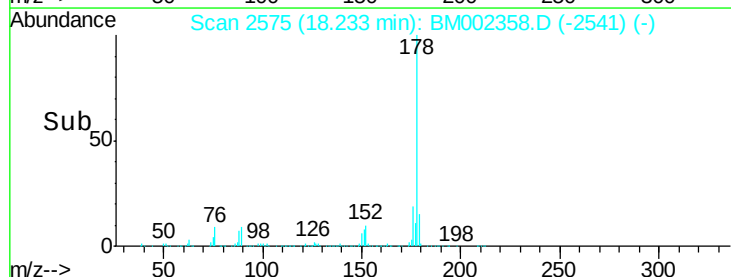
Abundance Ion 178.00 (177.70 to 178.70): E

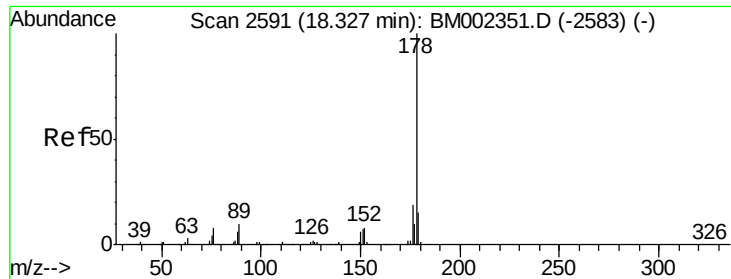
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

18.23

Time-->





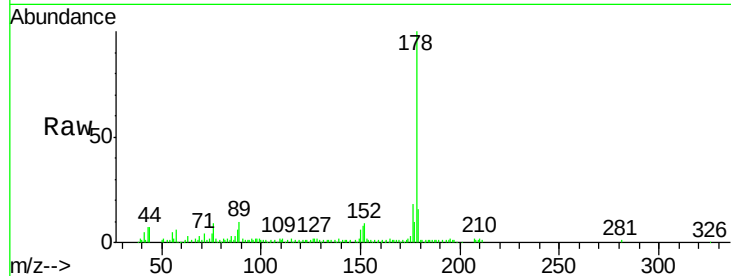
#15
 Anthracene
 Concen: 2.21 ng/ul
 RT: 18.33 min Scan# 2591
 Delta R.T. 0.01 min
 Lab File: BM002358.D
 Acq: 12 Aug 2015 13:22

Instrument :
 BNA_M
 ClientSampleId :
 D9C91

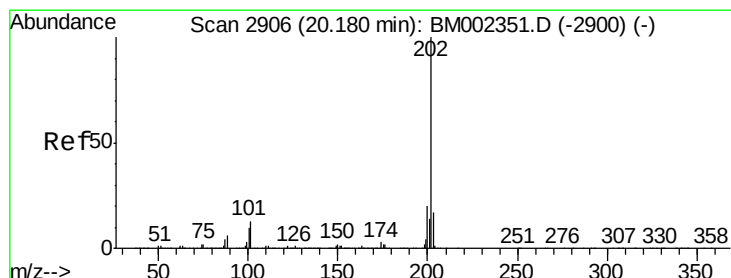
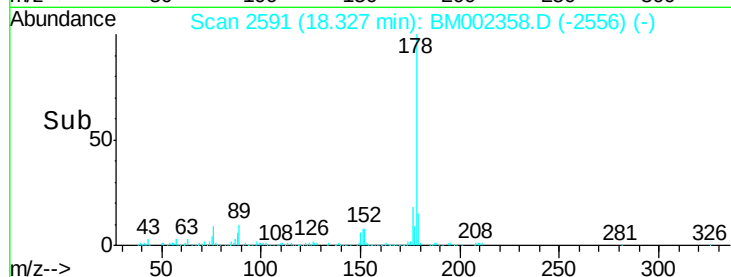
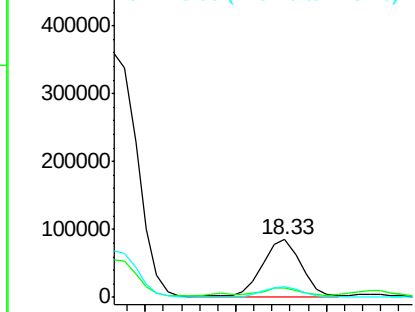
Tot Ion	Ratio	Resp	Lower	Upper
178	100	126873		
179	15.9		12.3	18.5
176	18.4		14.5	21.7

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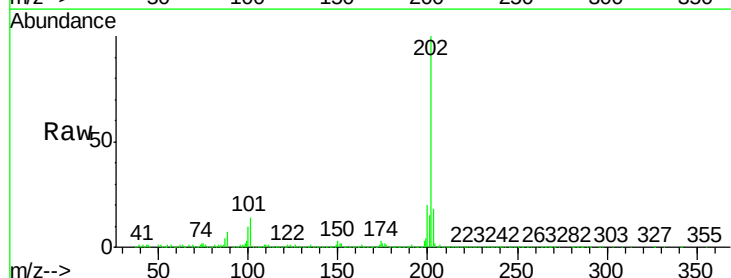


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

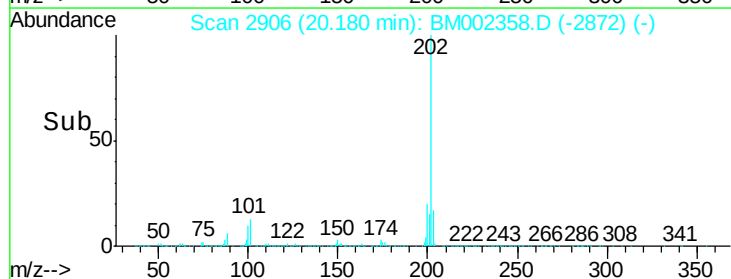
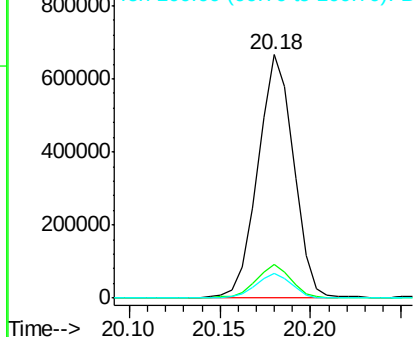


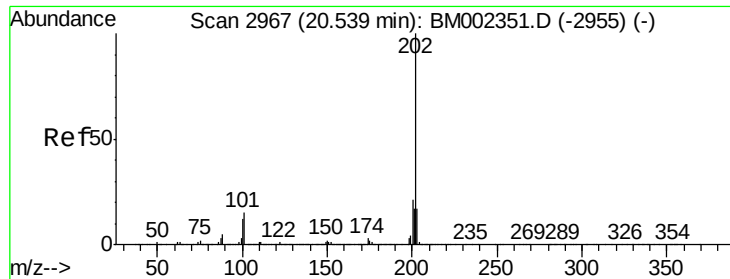
#16
 Fluoranthene
 Concen: 14.73 ng/ul
 RT: 20.18 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: BM002358.D
 Acq: 12 Aug 2015 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	905420		
101	13.6		10.6	15.8
100	10.2		8.2	12.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





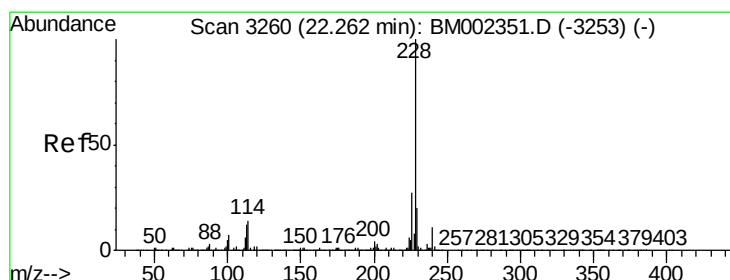
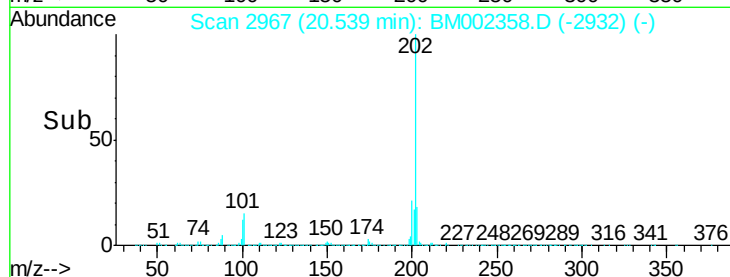
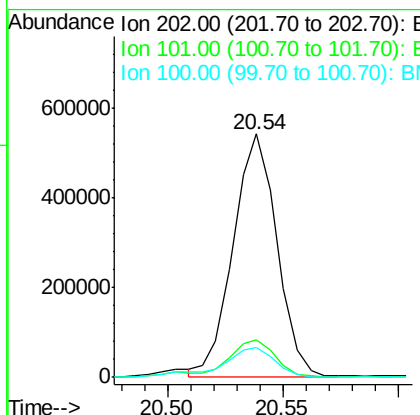
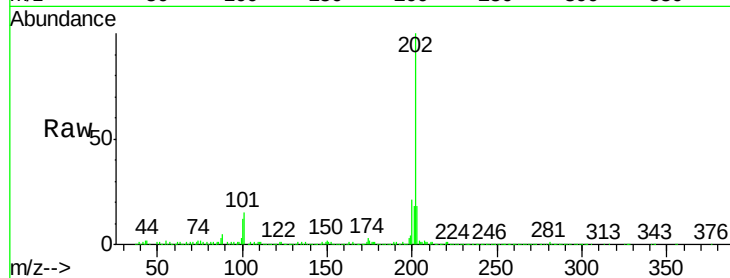
#19
Pvrene
Concen: 16.98 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. 0.01 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Instrument :
BNA_M
ClientSampleId :
D9C91

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.5	13.0	19.6
100	12.0	11.0	16.4

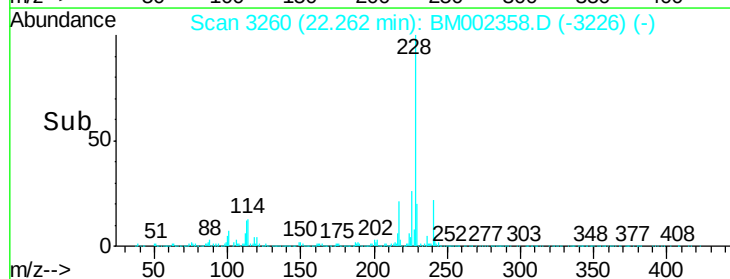
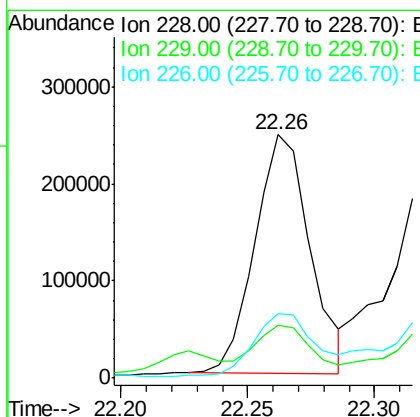
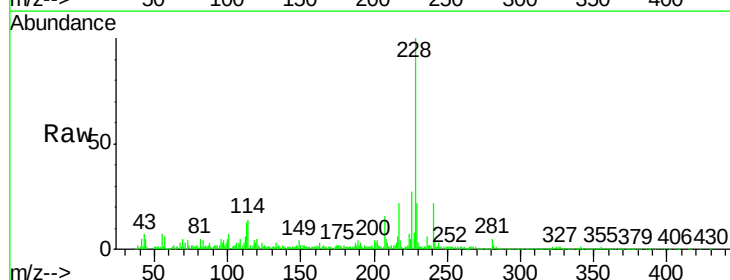
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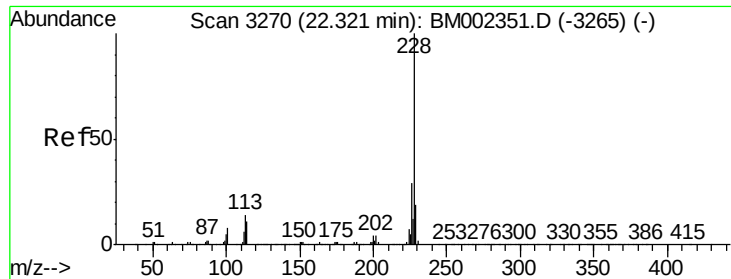
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#20
Benzo(a)anthracene
Concen: 9.38 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.00 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	15.7	23.5
226	26.6	21.4	32.0





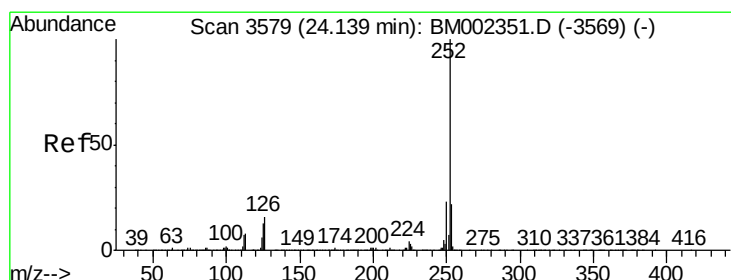
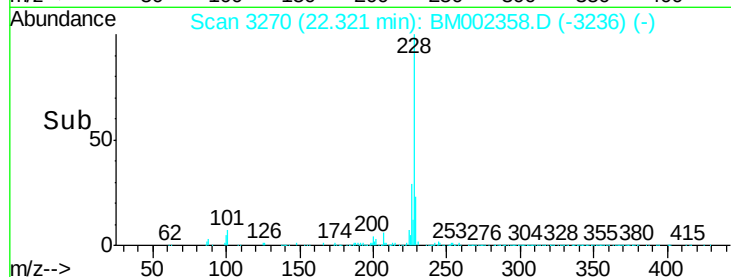
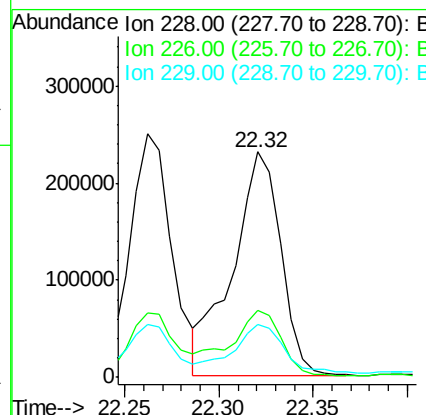
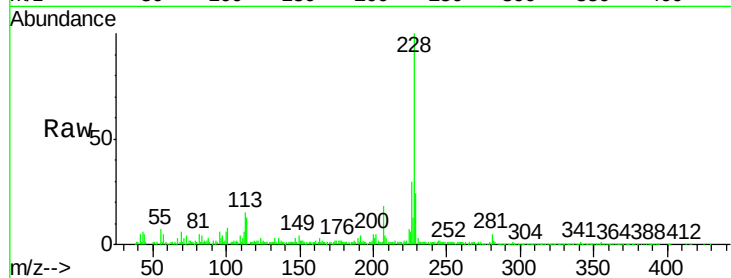
#21
Chrysene
Concen: 11.02 ng/ul m
RT: 22.32 min Scan# 3270
Delta R.T. -0.00 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Instrument :
BNA_M
ClientSampleId :
D9C91

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	23.7	15.5	23.3

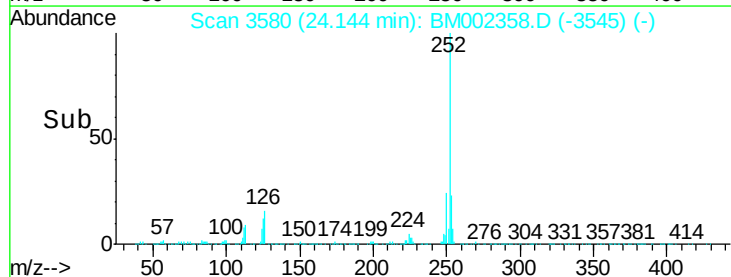
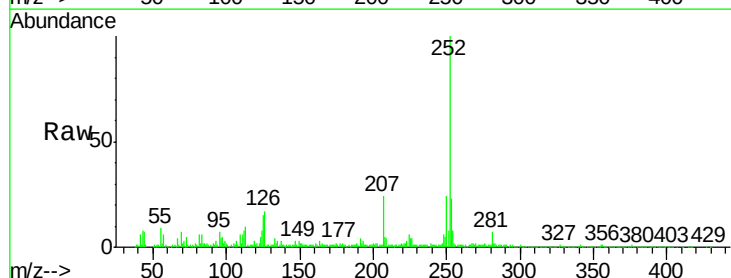
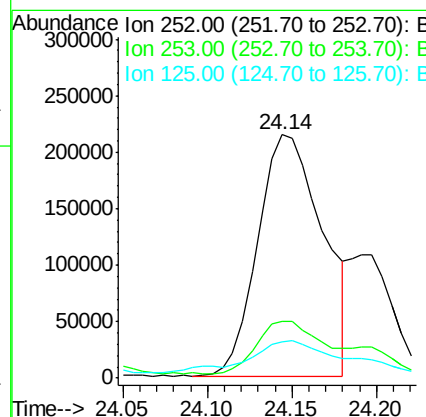
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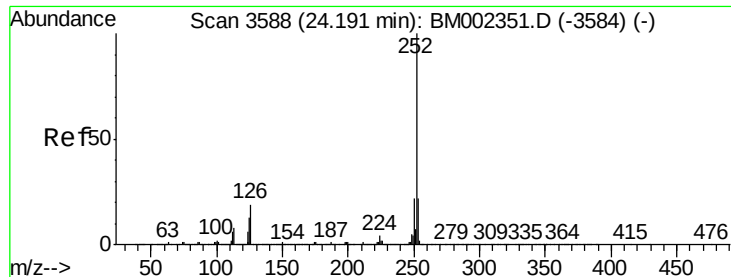
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#23
Benzo(b)fluoranthene
Concen: 14.88 ng/ul
RT: 24.14 min Scan# 3580
Delta R.T. 0.01 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.7	10.3	15.5





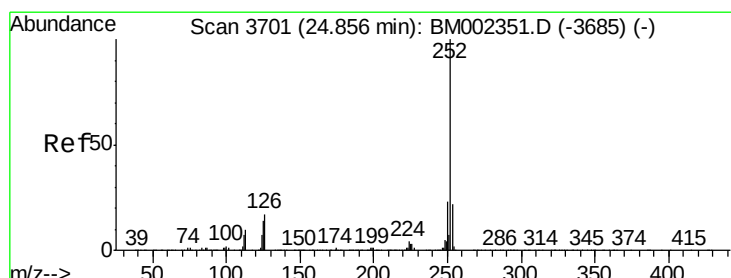
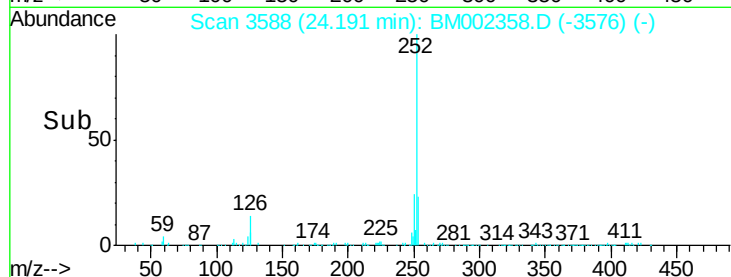
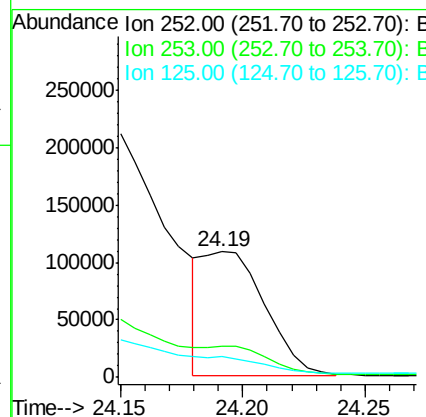
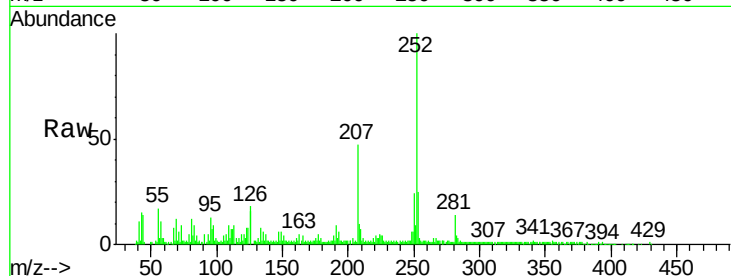
#24
Benzo(k)fluoranthene
Concen: 5.14 ng/ul m
RT: 24.19 min Scan# 3588
Delta R.T. -0.00 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Instrument :
BNA_M
ClientSampleId :
D9C91

Tot Ion	Ratio	Resp	Lower	Upper
252	100	189608		
253	25.2	17.3	25.9	
125	16.2	10.2	15.4	

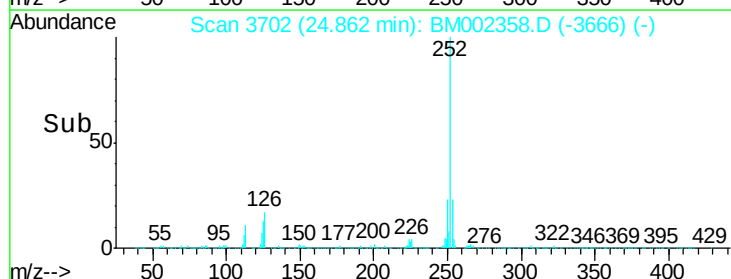
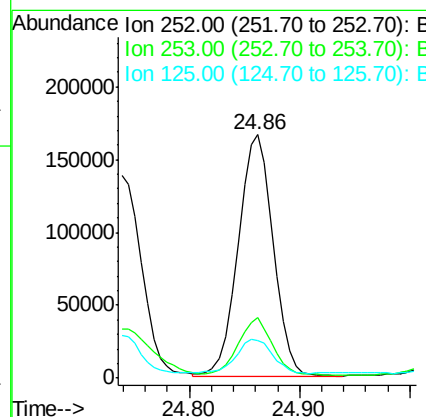
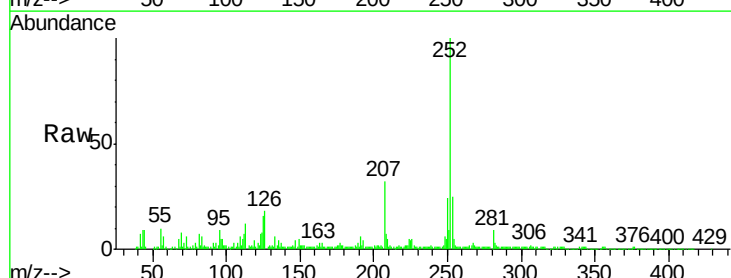
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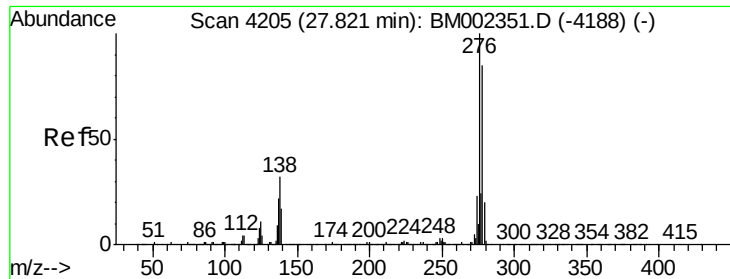
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#26
Benzo(a)pyrene
Concen: 10.01 ng/ul
RT: 24.86 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	367650		
253	24.7	17.3	25.9	
125	15.6	11.0	16.6	





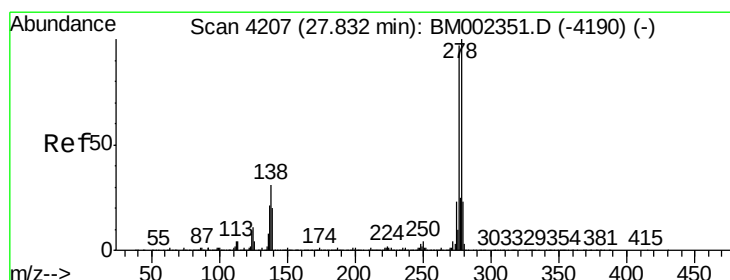
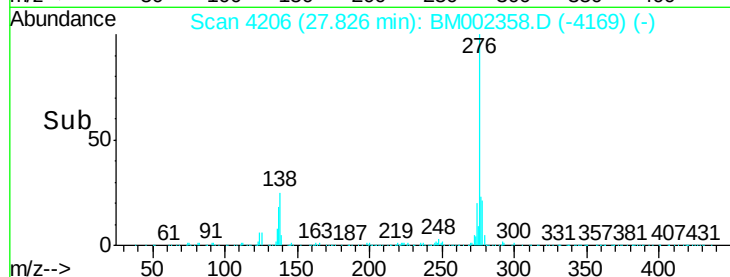
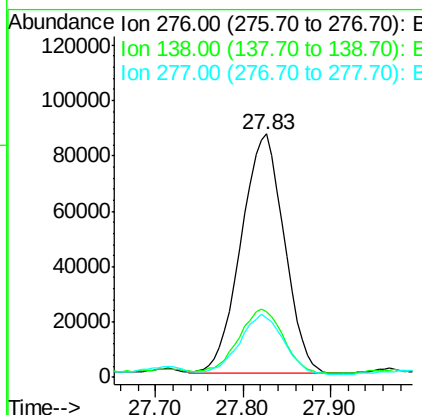
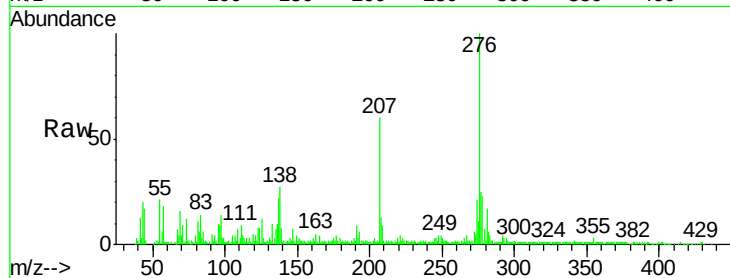
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 6.95 ng/ul
 RT: 27.83 min Scan# 4206
 Delta R.T. 0.02 min
 Lab File: BM002358.D
 Acq: 12 Aug 2015 13:22

Instrument :
 BNA_M
 ClientSampleId :
 D9C91

Tot Ion	Ratio	Resp	Lower	Upper
276	100	292758		
138	27.0		25.6	38.4
277	24.6		21.0	31.4

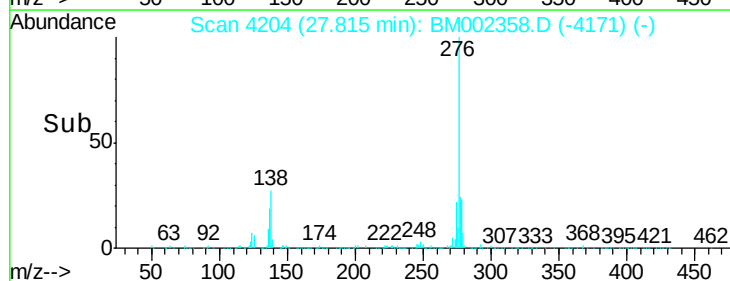
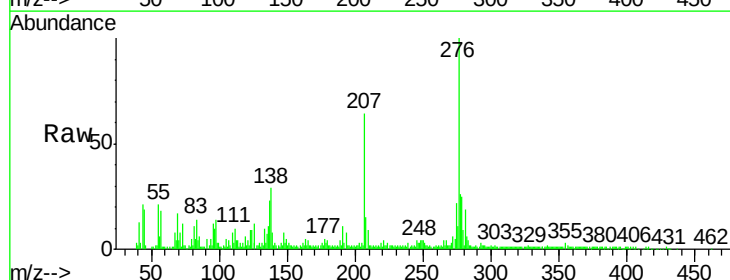
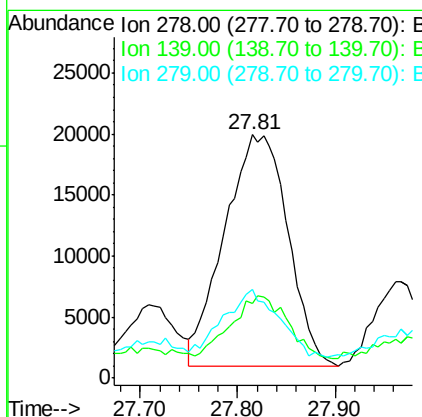
Manual Integrations
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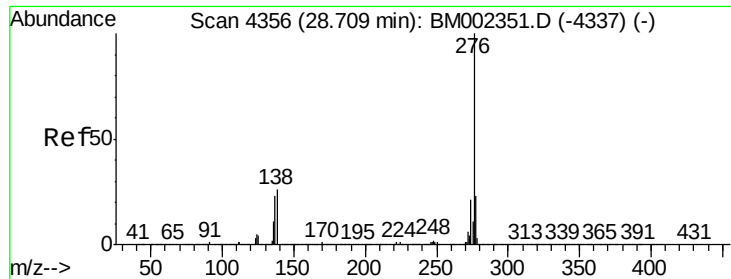
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#28
 Dibenzo(a,h)anthracene
 Concen: 2.40 ng/ul
 RT: 27.81 min Scan# 4204
 Delta R.T. -0.01 min
 Lab File: BM002358.D
 Acq: 12 Aug 2015 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	85464		
139	30.8		16.4	24.6#
279	36.2		18.8	28.2#





#29

Benzo(a,h,i)perylene

Concen: 8.32 ng/ul

RT: 28.71 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BM002358.D

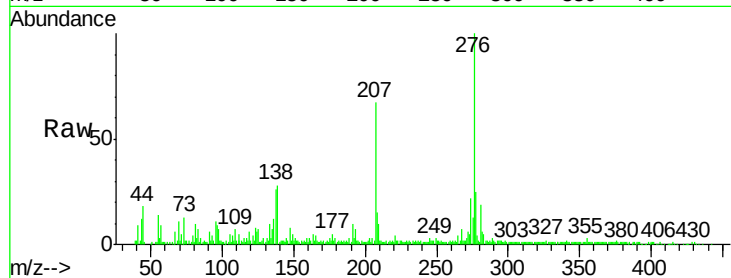
Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

ClientSampleId :

D9C91



Tot Ion:	276	Resp:	295564
Ion Ratio	Lower	Upper	
276	100		
138	27.7	20.5	30.7
277	25.1	19.0	28.6

Manual Integrations
APPROVED

MMDadoda
8/13/2015 10:56:52 AM

