

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112015\
 Data File : BM003233.D
 Acq On : 20 Nov 2015 22:20
 Operator : UM/IZ
 Sample : G4322-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

Manual Integrations
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 11/23/2015 6:59:03 PM

Quant Time: Nov 23 11:41:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 04:24:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12743	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	48989	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	26539	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	53566m	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	52449	0.40	ng/ul	-0.01
22) Perylene-d12	23.58	264	53950	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	57018	4.19	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	13449	0.20	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	21565	0.16	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.57	128	14175	0.11	ng/ul#	96
9) Acenaphthylene	14.09	152	19255	0.17	ng/ul	98
10) Acenaphthene	14.43	153	4174	0.04	ng/ul#	75
11) Fluorene	15.44	166	8179	0.08	ng/ul#	97
13) Pentachlorophenol	16.78	266	1106	0.09	ng/ul	95
14) Phenanthrene	17.16	178	221391m	1.42	ng/ul	
15) Anthracene	17.26	178	43955	0.34	ng/ul	99
17) Fluoranthene	19.19	202	452458m	2.62	ng/ul	
19) Pyrene	19.55	202	407919	2.27	ng/ul	100
20) Benzo(a)anthracene	21.31	228	193669m	1.27	ng/ul	
21) Chrysene	21.36	228	191889	1.12	ng/ul	98
23) Benzo(b)fluoranthene	22.91	252	264844m	1.29	ng/ul	
24) Benzo(k)fluoranthene	22.93	252	106742m	0.55	ng/ul	
25) Benzo(a)pyrene	23.48	252	183302	1.00	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.86	276	126167	0.58	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	29336	0.17	ng/ul#	86
28) Benzo(g,h,i)perylene	26.57	276	110034	0.58	ng/ul	97

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

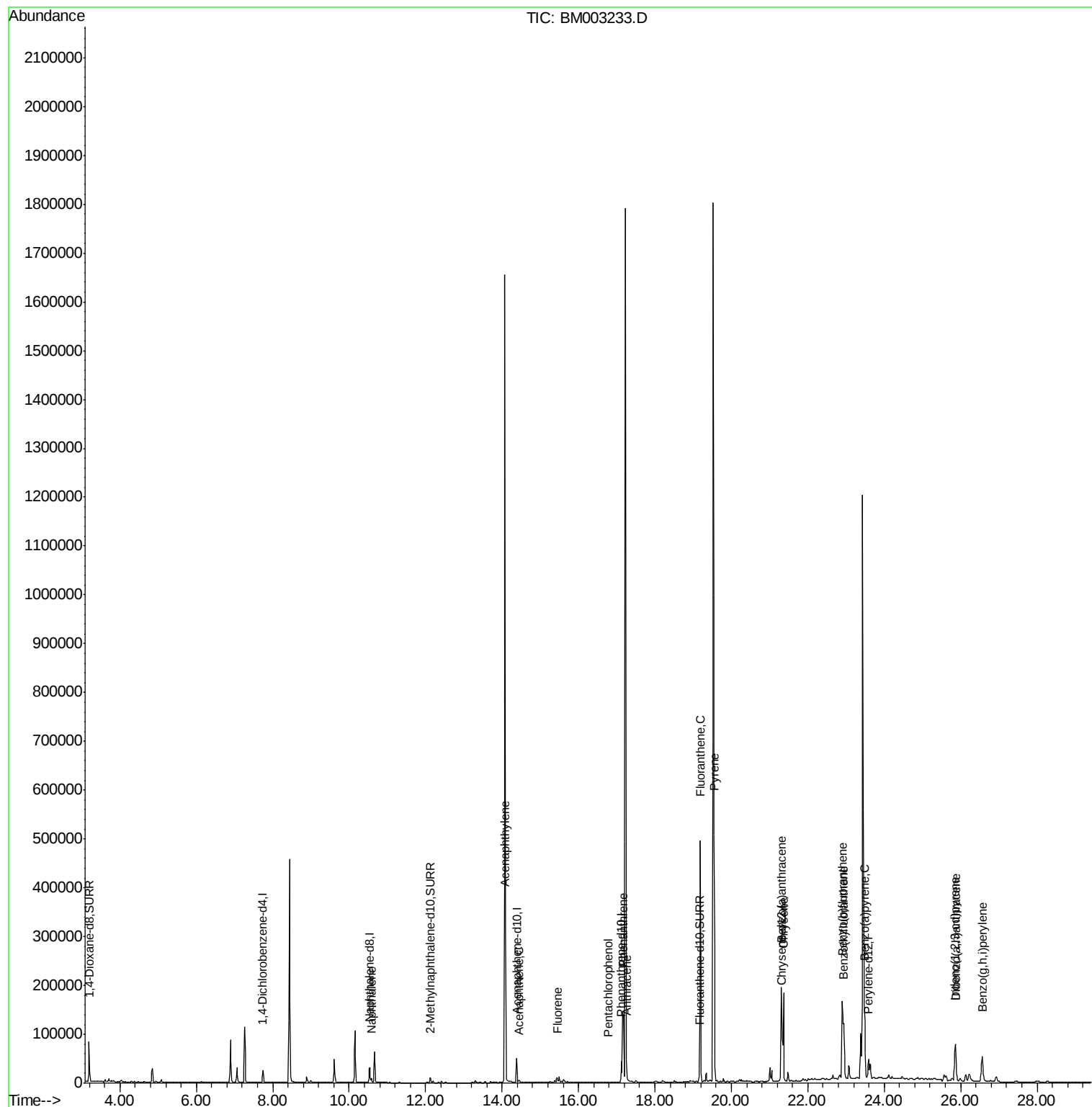
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ALS Vial : 18 Sample Multiplier: 1

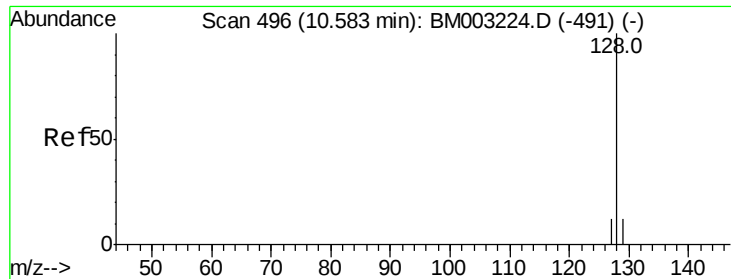
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QLast Update : Sat Nov 21 04:24:04 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

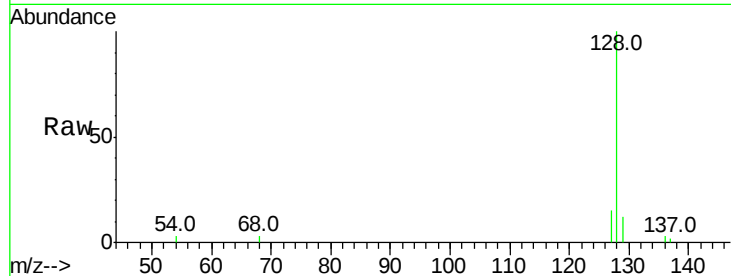
BNA_M

ClientSampleId :

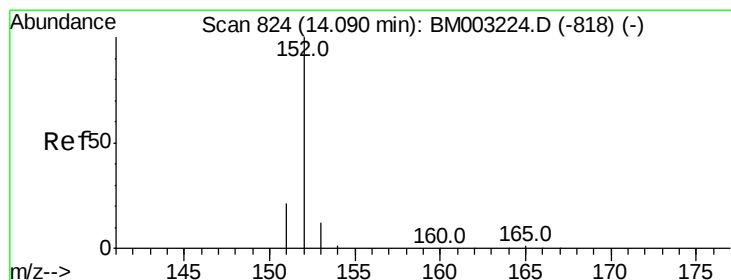
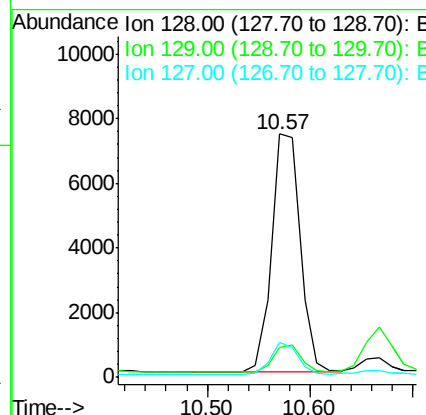
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Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.0	13.6
127	14.5	9.6	14.4



#9

Acenaphthylene

Concen: 0.17 ng/ul

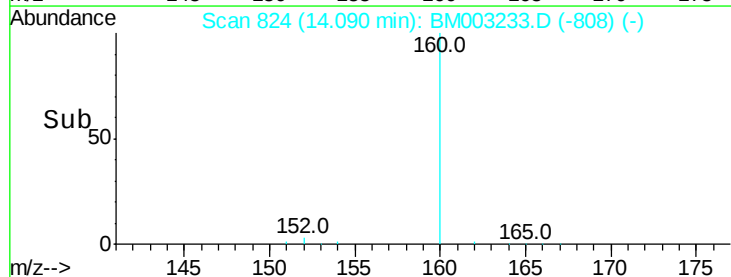
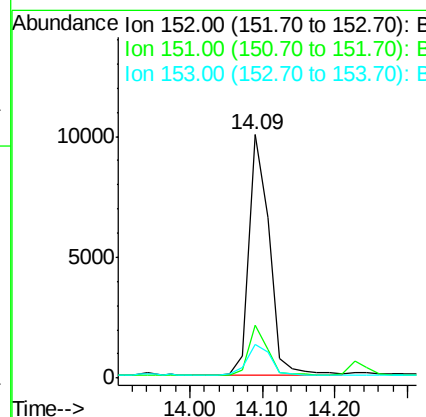
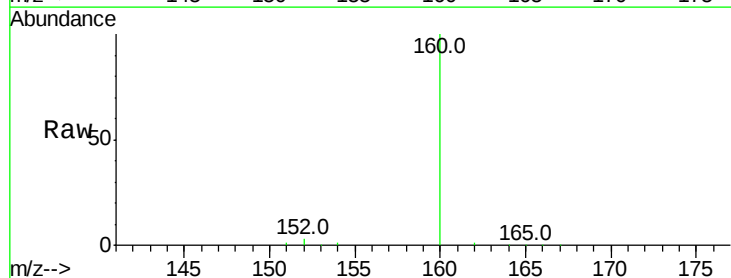
RT: 14.09 min Scan# 824

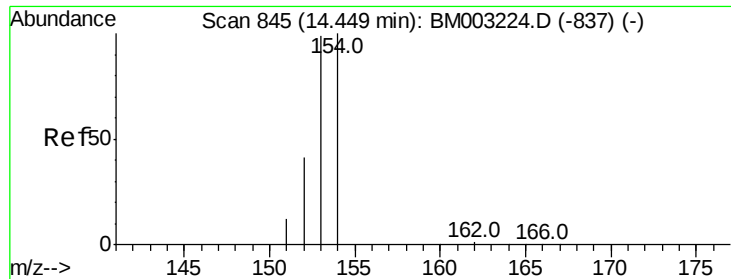
Delta R.T. -0.00 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.6	26.4
153	13.7	9.7	14.5





#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

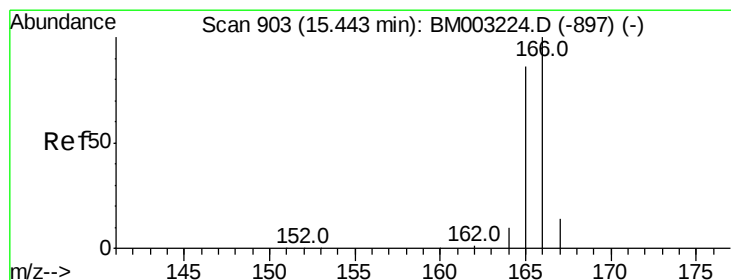
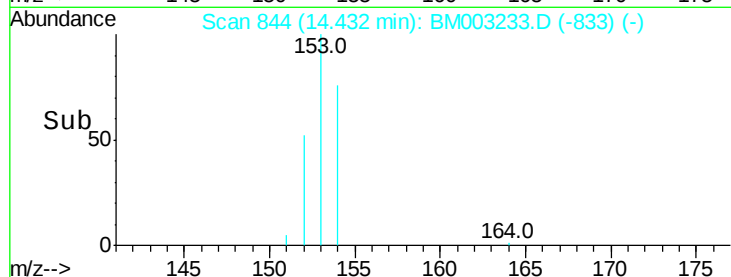
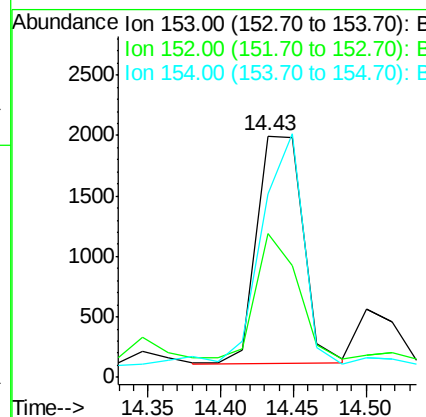
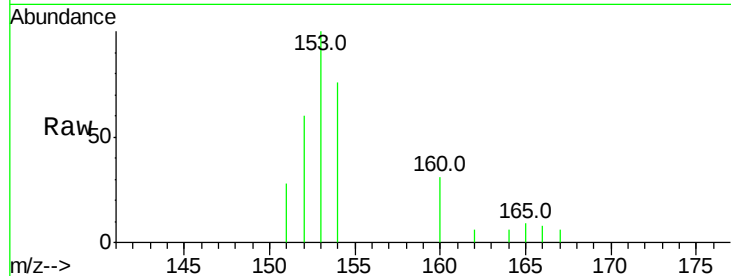
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Tot Ion:153 Resp: 4174

Ion	Ratio	Lower	Upper
153	100		
152	59.6	33.9	50.9#
154	76.1	80.6	121.0#

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#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.44 min Scan# 903

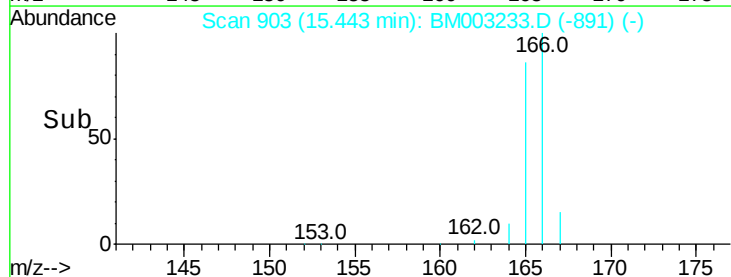
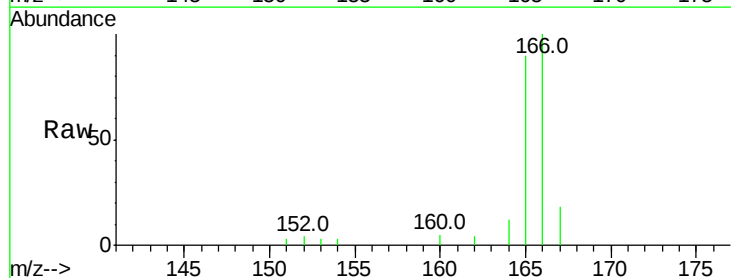
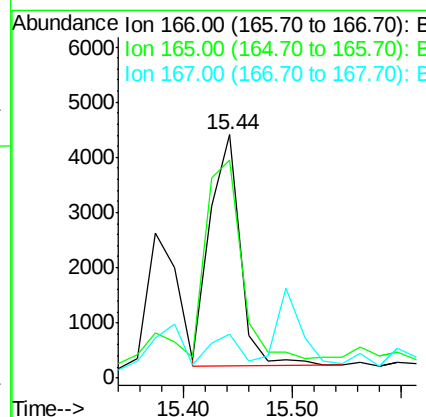
Delta R.T. -0.00 min

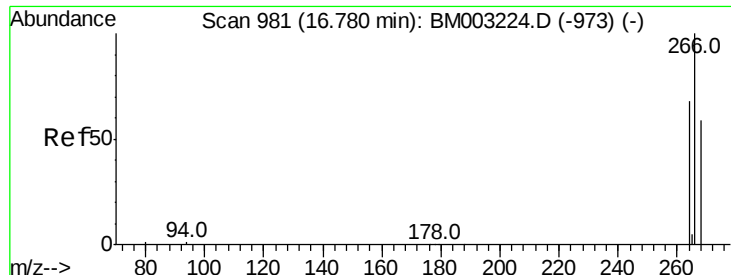
Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Tgt Ion:166 Resp: 8179

Ion	Ratio	Lower	Upper
166	100		
165	89.5	69.6	104.4
167	18.1	11.9	17.9#





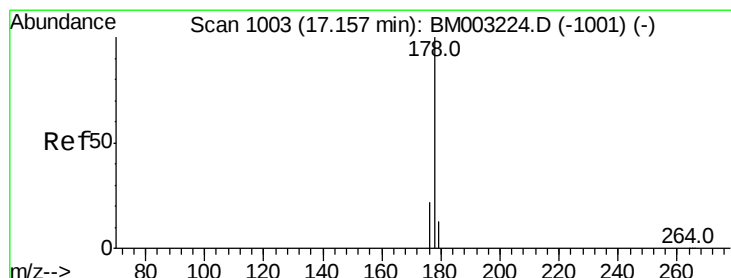
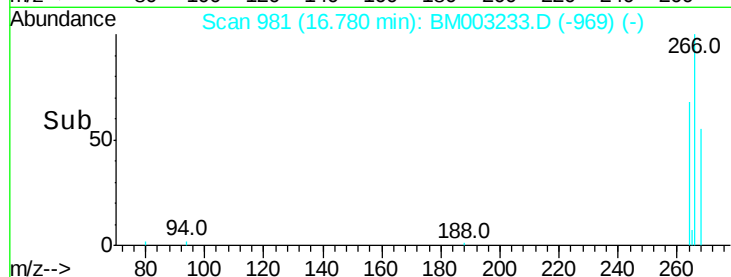
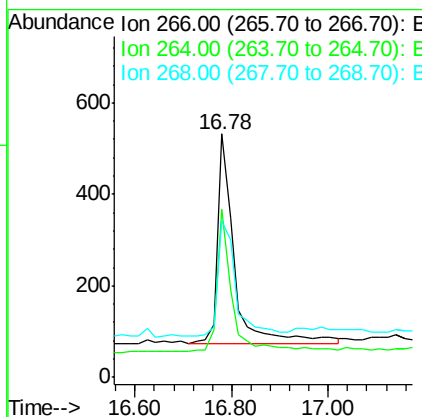
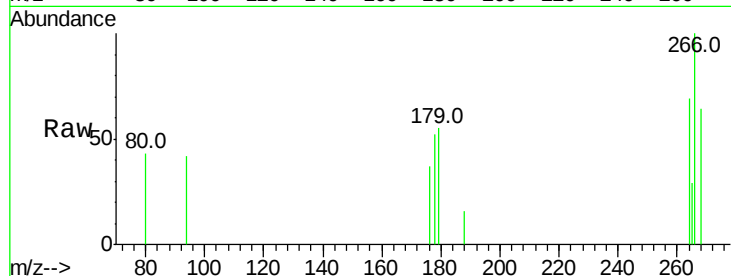
#13
 Pentachlorophenol
 Concen: 0.09 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

Tot Ion	Ratio	Lower	Upper
266	100		
264	57.9	51.8	77.8
268	57.7	46.8	70.2

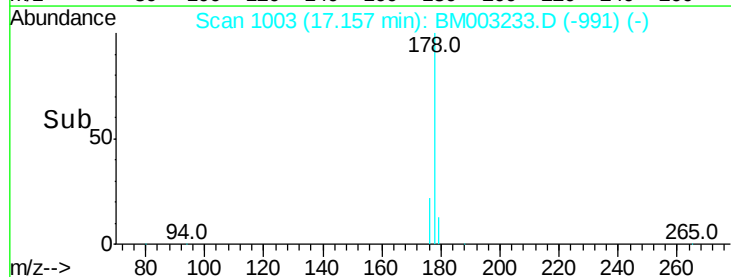
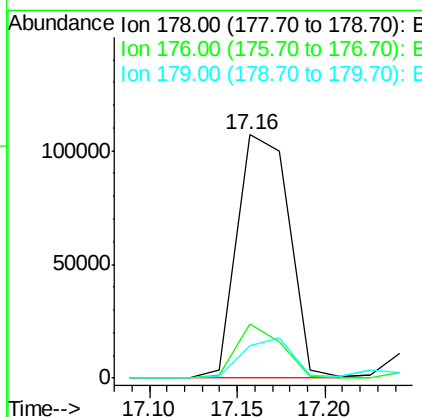
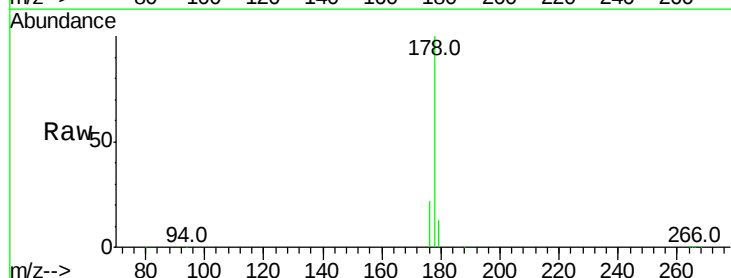
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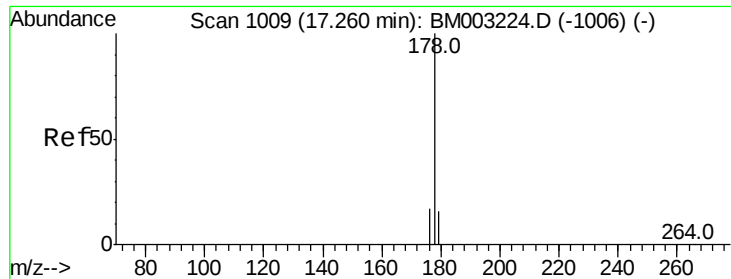
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#14
 Phenanthrene
 Concen: 1.42 ng/ul m
 RT: 17.16 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.5	13.0	19.4#
179	13.3	14.2	21.2#





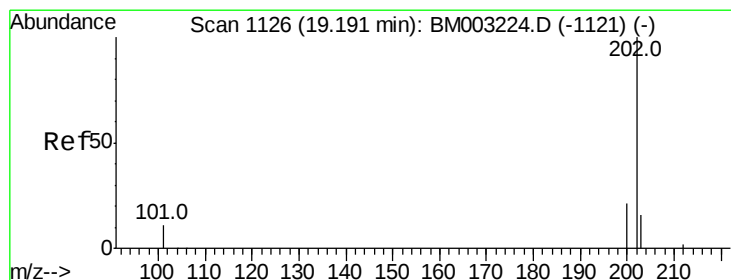
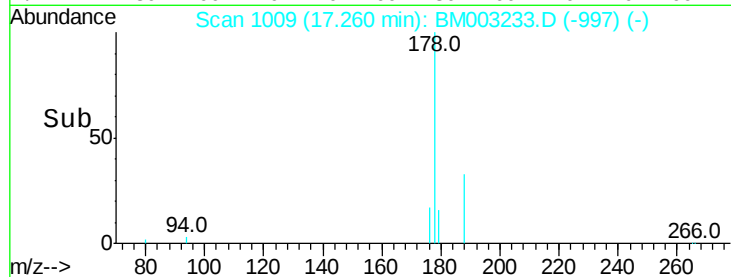
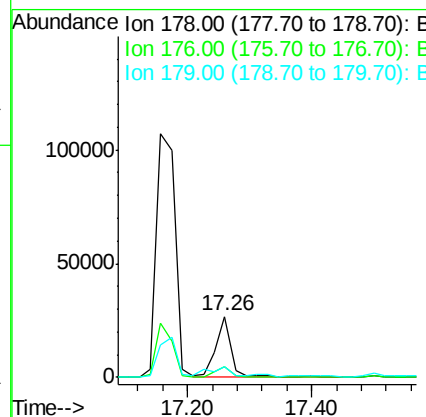
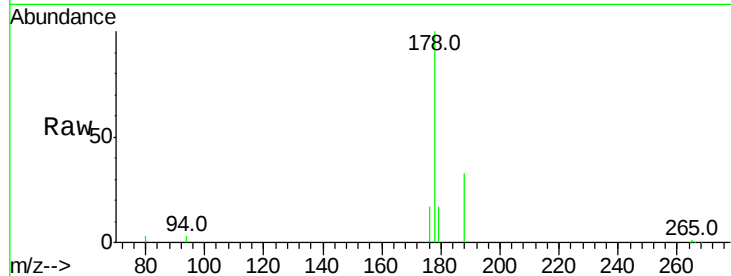
#15
 Anthracene
 Concen: 0.34 ng/ul
 RT: 17.26 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.0	21.0
179	17.2	12.9	19.3

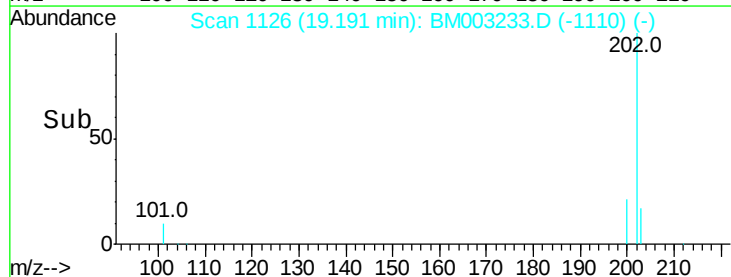
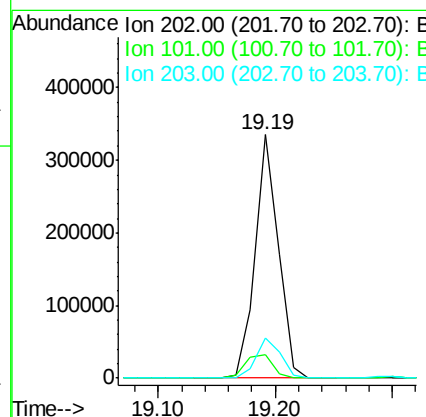
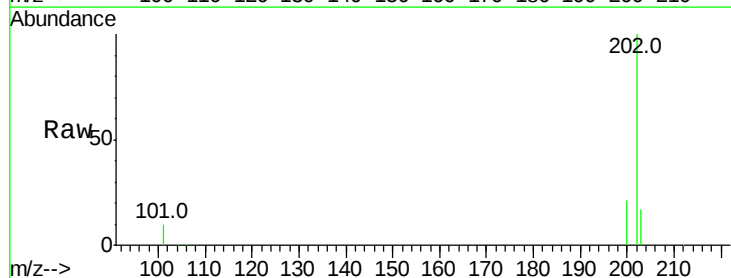
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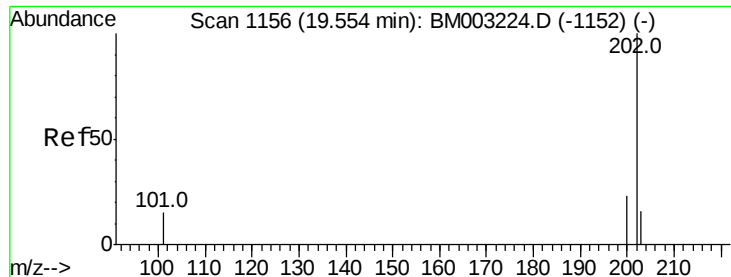
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#17
 Fluoranthene
 Concen: 2.62 ng/ul m
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.6
203	16.7	0.0	36.3





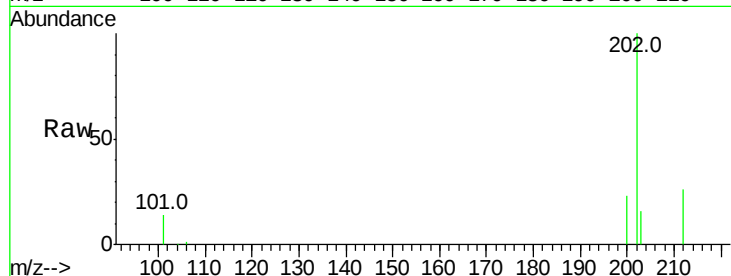
#19
Pvrene
Concen: 2.27 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003233.D
Acq: 20 Nov 2015 22:20

Instrument :
BNA_M
ClientSampleId :
A4HR5

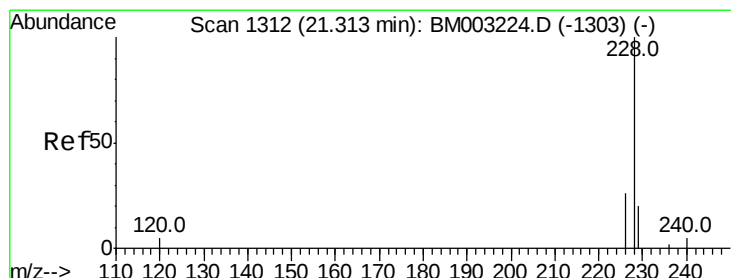
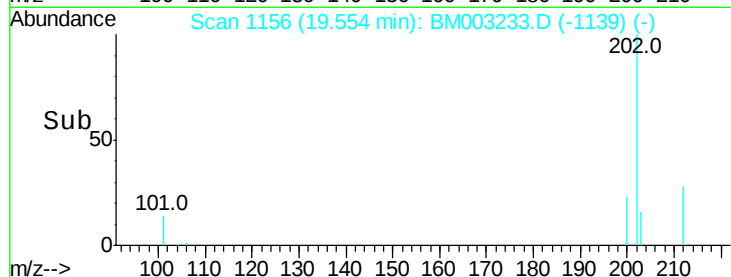
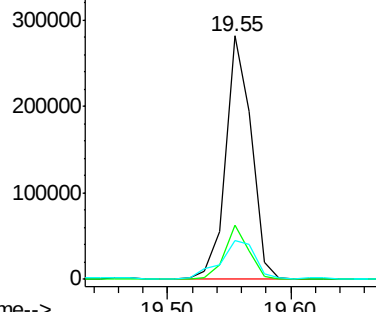
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.5	17.8	26.8
203	16.1	12.8	19.2

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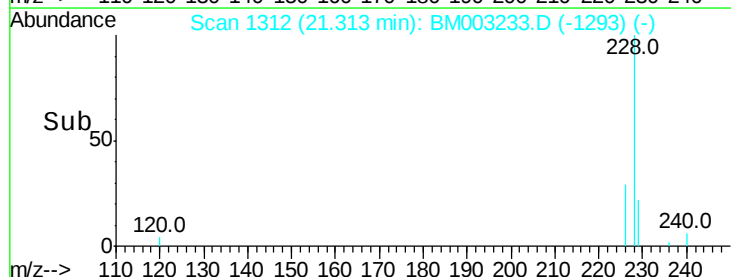
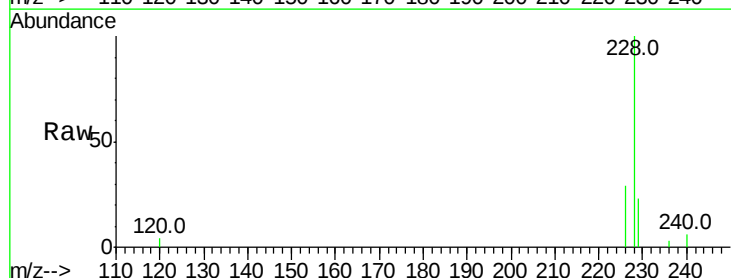
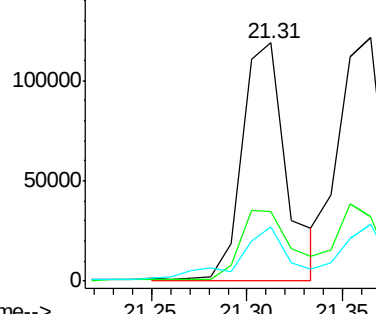
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Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

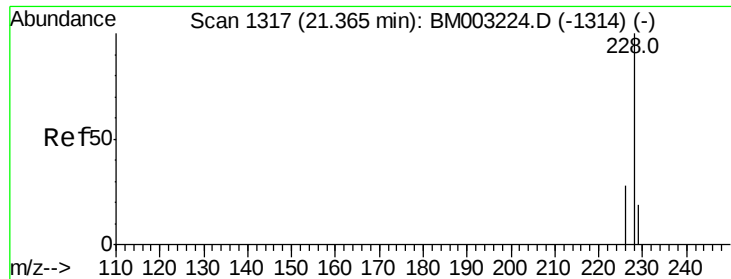


#20
Benzo(a)anthracene
Concen: 1.27 ng/ul m
RT: 21.31 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BM003233.D
Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.2	18.8	28.2#
229	22.6	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





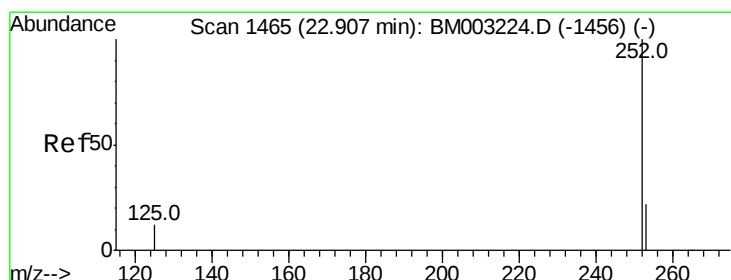
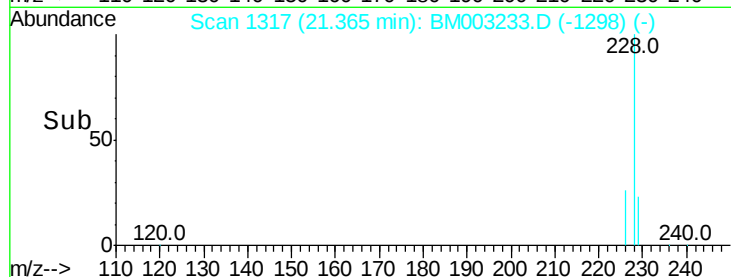
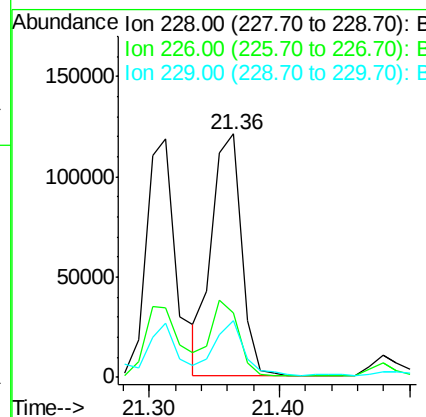
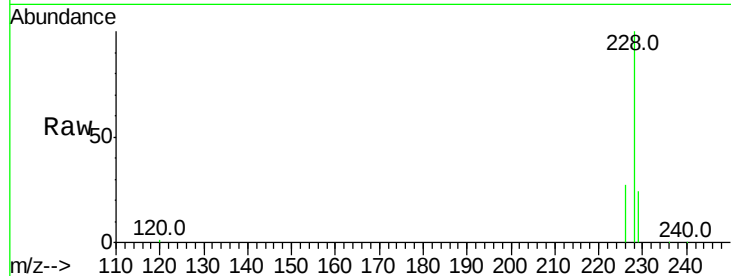
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Chrysene
Concen: 1.12 ng/ul
RT: 21.36 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM003233.D
Acq: 20 Nov 2015 22:20

Instrument :
BNA_M
ClientSampleId :
A4HR5

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	23.5	17.0	25.6

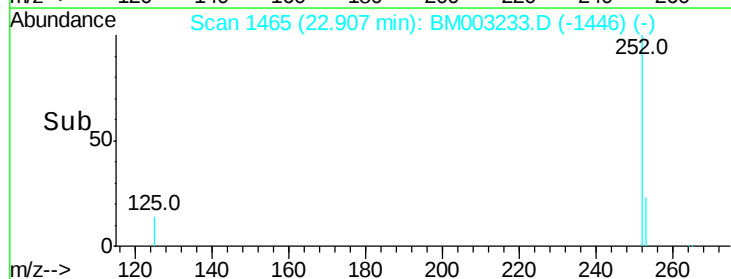
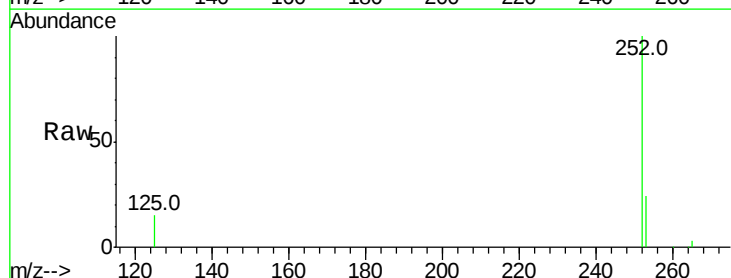
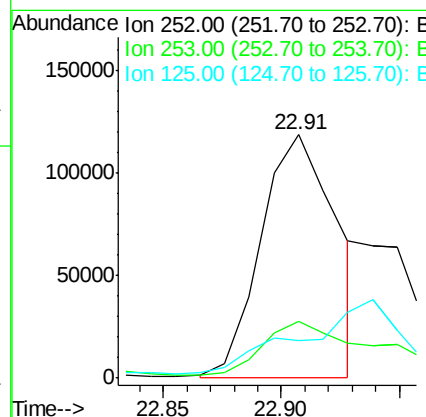
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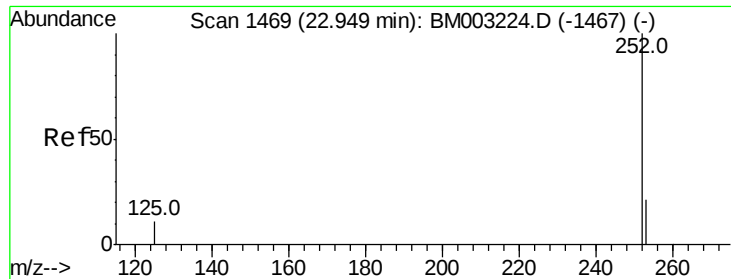
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#23
Benzo(b)fluoranthene
Concen: 1.29 ng/ul m
RT: 22.91 min Scan# 1465
Delta R.T. -0.00 min
Lab File: BM003233.D
Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	45.4
125	15.2	0.0	28.8





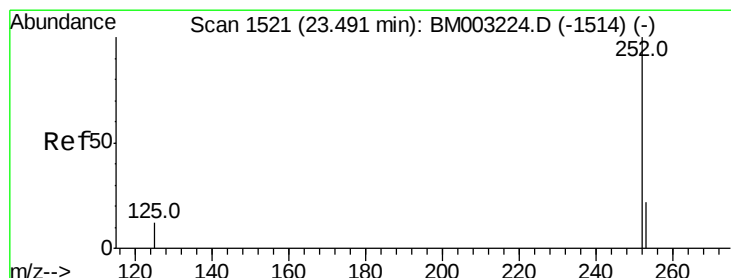
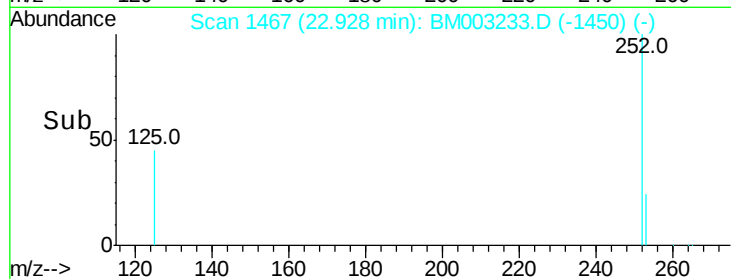
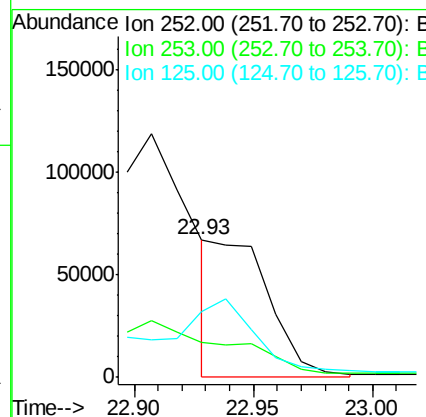
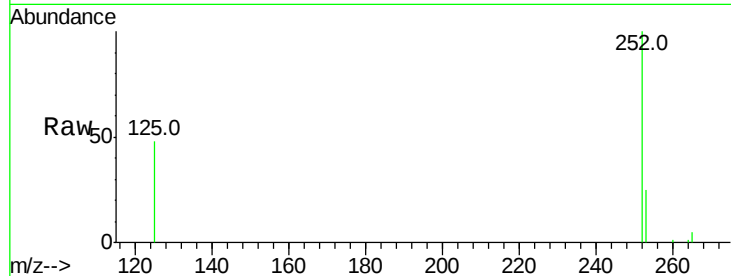
#24
Benzo(k)fluoranthene
Concen: 0.55 ng/ul m
RT: 22.93 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BM003233.D
Acq: 20 Nov 2015 22:20

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
252	100	106742		
253	25.4	19.8	29.8	
125	47.7	10.4	15.6	

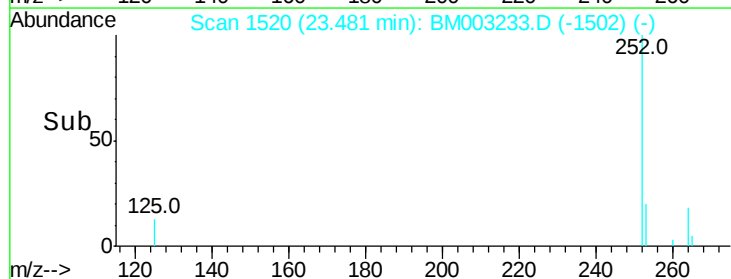
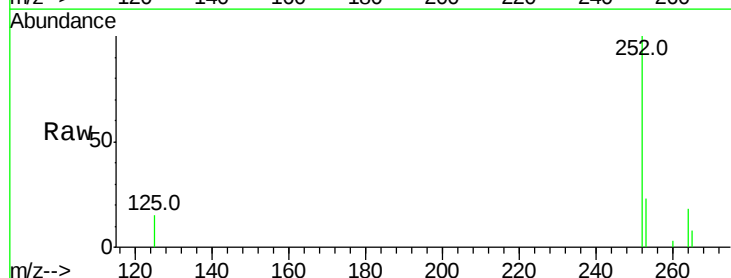
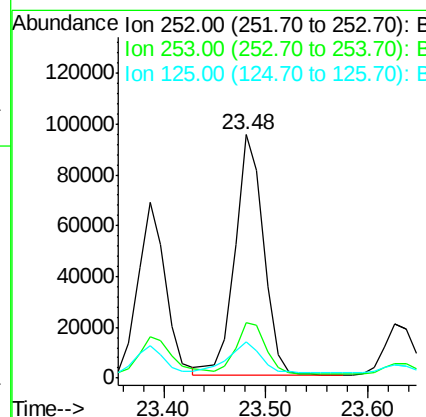
Manual Integrations
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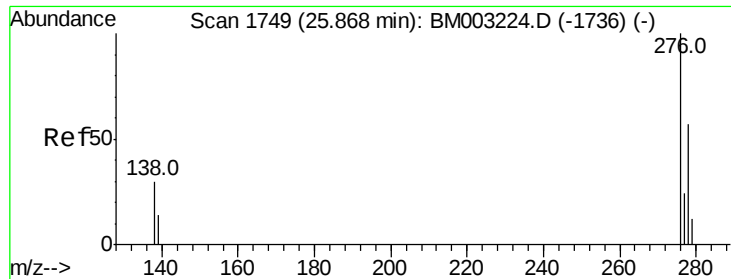
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#25
Benzo(a)pyrene
Concen: 1.00 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BM003233.D
Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	183302		
253	22.6	19.4	29.2	
125	14.9	12.7	19.1	





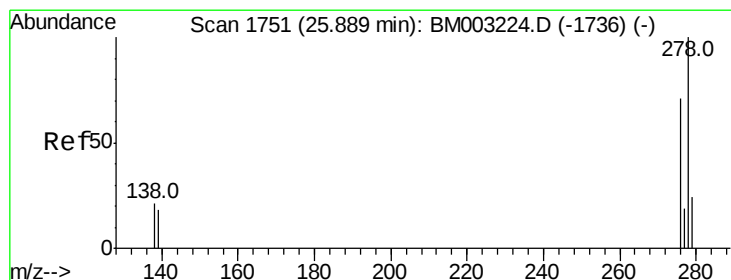
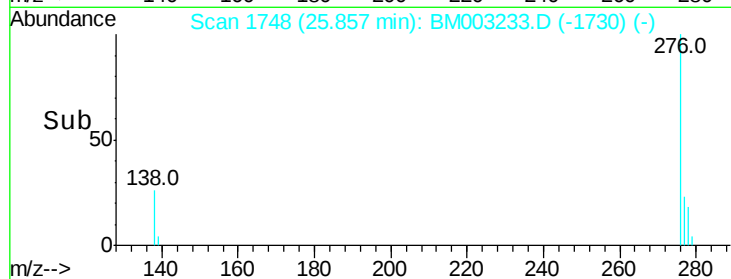
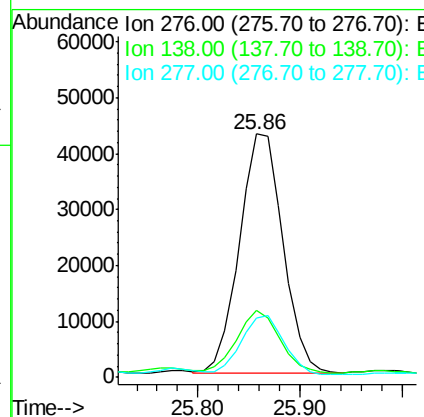
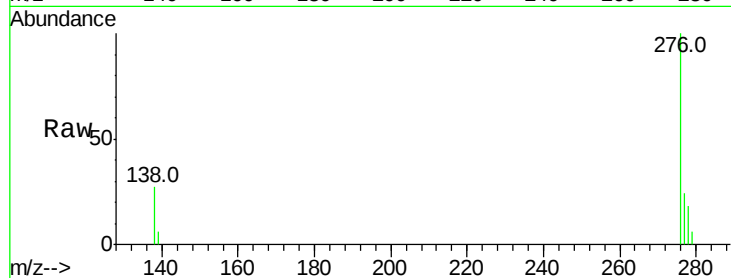
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.58 ng/ul
 RT: 25.86 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

Tot Ion	Ratio	Resp	Lower	Upper
276	100	126167		
138	25.6	16.3	24.5#	
277	24.3	19.8	29.8	

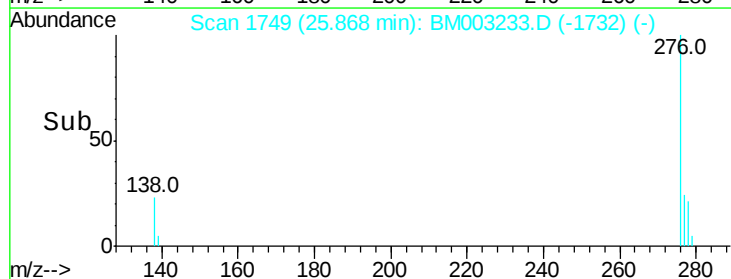
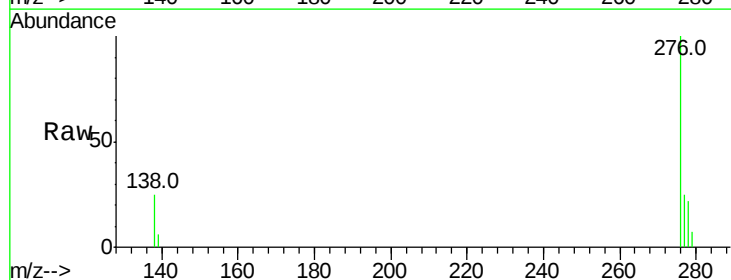
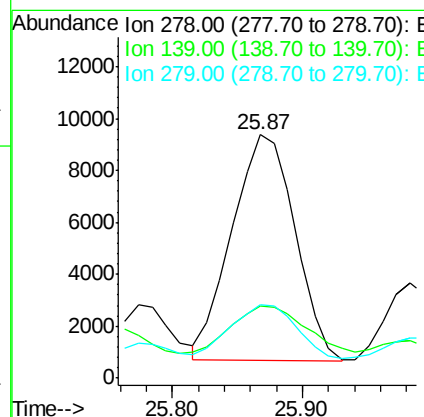
Manual Integrations
 APPROVED

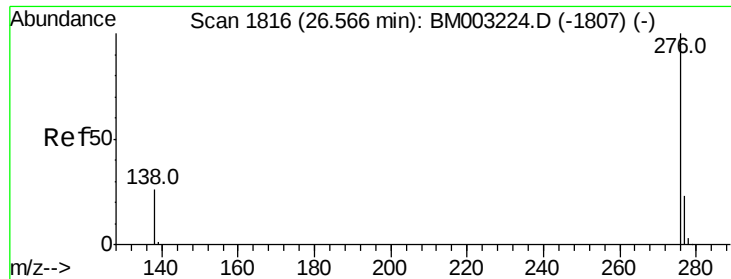
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#27
 Dibenzo(a,h)anthracene
 Concen: 0.17 ng/ul
 RT: 25.87 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	29336		
139	29.6	16.4	24.6#	
279	30.0	20.2	30.2	





#28
 Benzo(a,h,i)perylene
 Concen: 0.58 ng/ul
 RT: 26.57 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

Tot Ion:	276	Resp:	110034
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.9	28.3
138	25.9	22.5	33.7

Manual Integrations
 APPROVED

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