

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002973.D
 Acq On : 22 Oct 2015 12:08
 Operator : UM/IZ
 Sample : G4074-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J8

Manual Integrations
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 10/23/2015 4:43:23 PM

Quant Time: Oct 23 02:15:40 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 01:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5258	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	23489	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	13290	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	29608m	0.40	ng/ul	0.00
18) Chrysene-d12	22.03	240	28100	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	23682	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	16813	2.99	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	8187	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.91	212	18626	0.24	ng/ul	-0.01
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	1056	0.02	ng/ul#	69
7) 2-Methylnaphthalene	13.11	142	427m	0.01	ng/ul	
9) Acenaphthylene	14.96	152	10901	0.14	ng/ul	99
10) Acenaphthene	15.28	153	733	0.02	ng/ul#	79
11) Fluorene	16.25	166	2642	0.05	ng/ul#	96
14) Phenanthrene	17.98	178	62712m	0.67	ng/ul	
15) Anthracene	18.06	178	22968	0.27	ng/ul	98
17) Fluoranthene	19.95	202	356498	3.22	ng/ul	92
19) Pyrene	20.30	202	313463	3.07	ng/ul	98
20) Benzo(a)anthracene	22.01	228	83264	0.89	ng/ul	94
21) Chrysene	22.06	228	297918	3.15	ng/ul	99
23) Benzo(b)fluoranthene	23.79	252	463267m	5.53	ng/ul	
24) Benzo(k)fluoranthene	23.85	252	94000m	1.15	ng/ul	
25) Benzo(a)pyrene	24.47	252	77737	0.97	ng/ul#	65
26) Indeno(1,2,3-cd)pyrene	27.29	276	120129	1.38	ng/ul	100
27) Dibenzo(a,h)anthracene	27.29	278	25320	0.36	ng/ul#	66
28) Benzo(g,h,i)perylene	28.14	276	115033	1.59	ng/ul	92

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

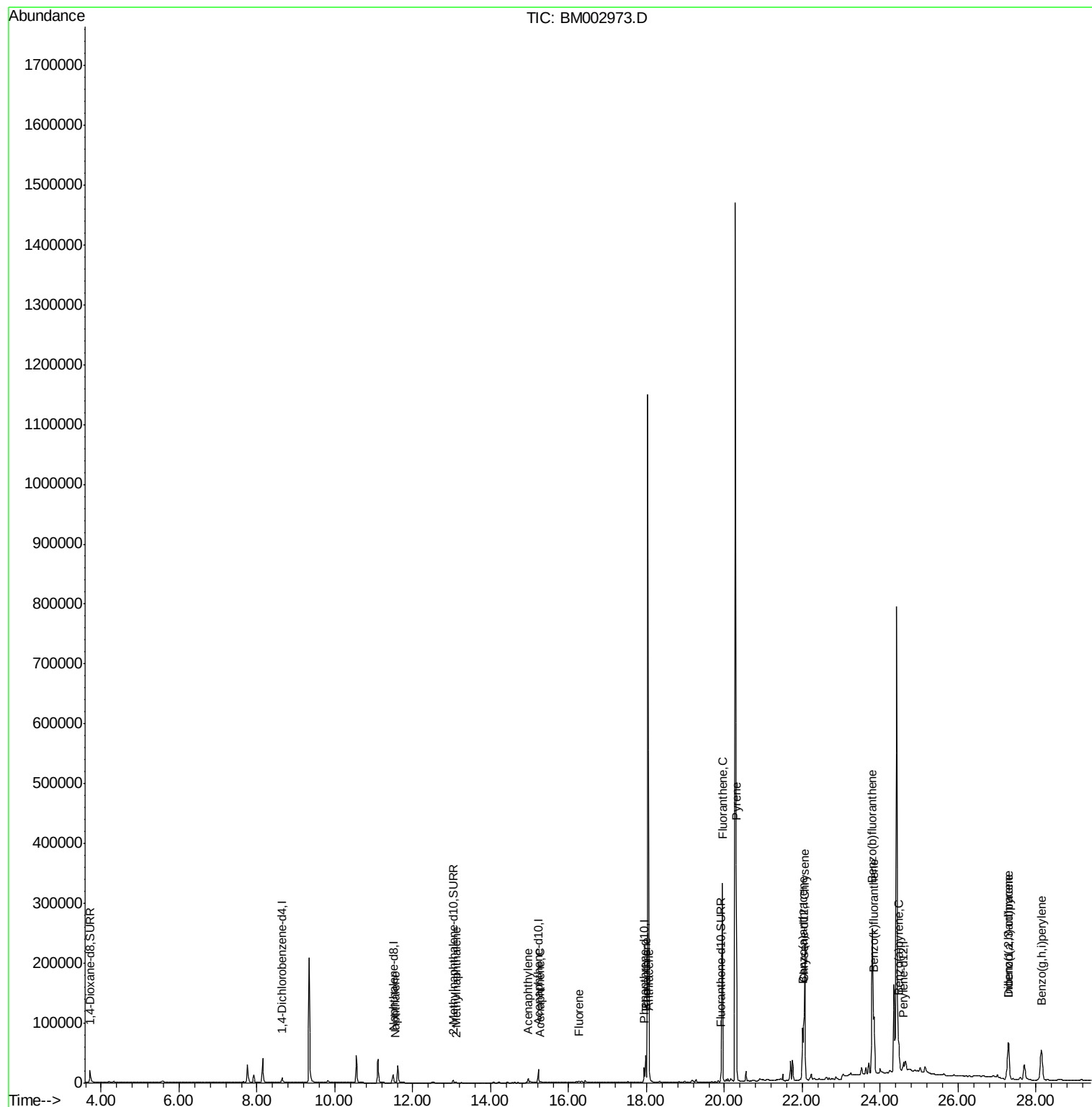
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
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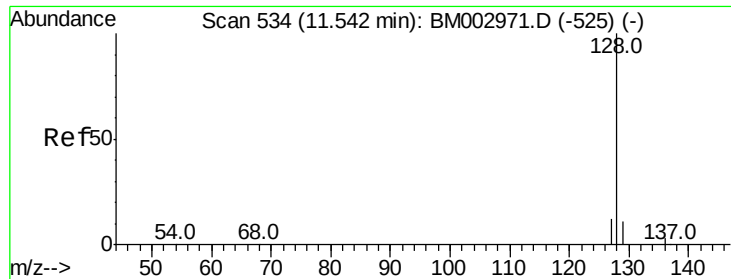
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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

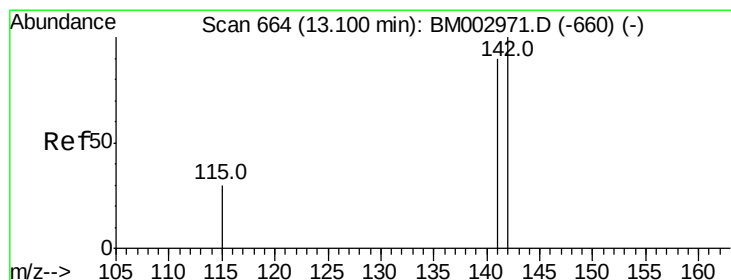
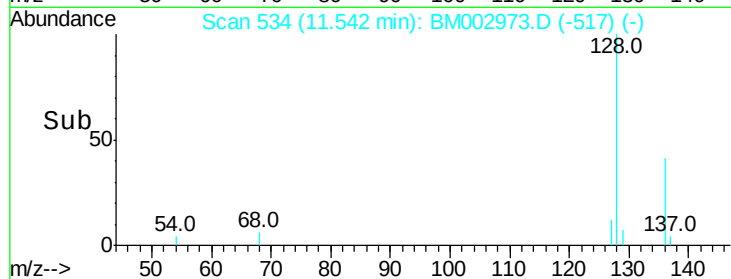
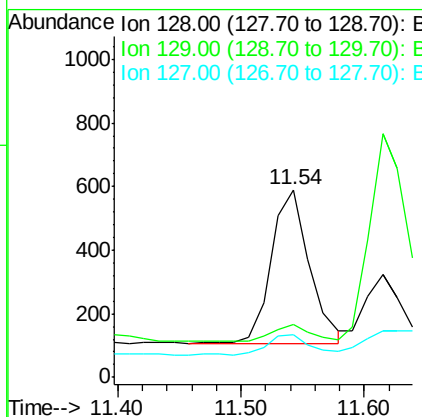
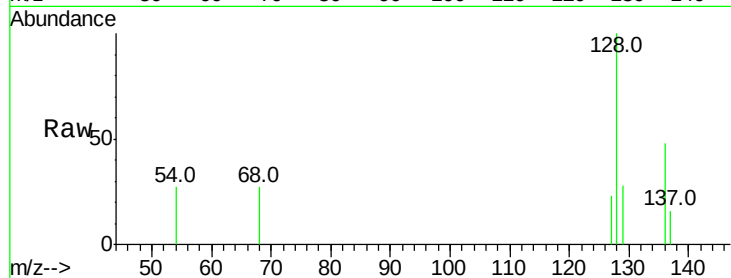
ClientSampleId :

JG9J8

Tot Ion	Ratio	Lower	Upper
128	100		
129	28.1	9.8	14.8#
127	22.5	10.7	16.1#

Manual Integrations
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#7

2-Methylnaphthalene

Concen: 0.01 ng/ul m

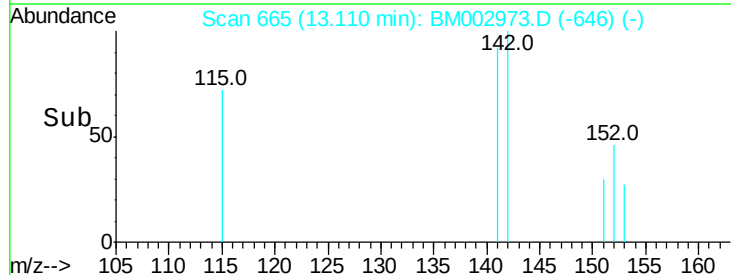
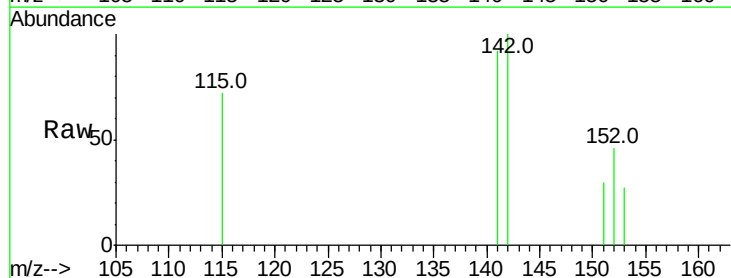
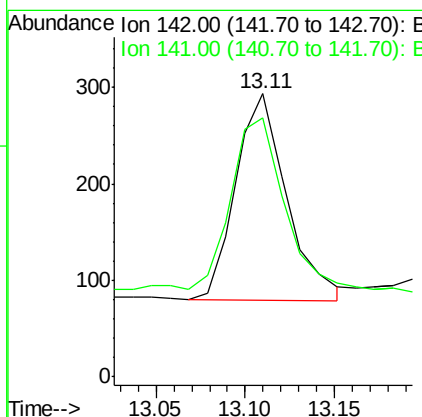
RT: 13.11 min Scan# 665

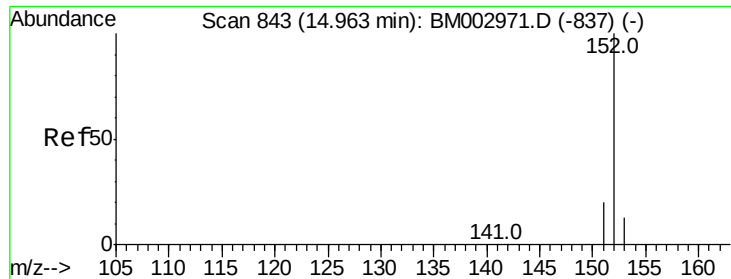
Delta R.T. 0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	408.4	70.3	105.5#





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

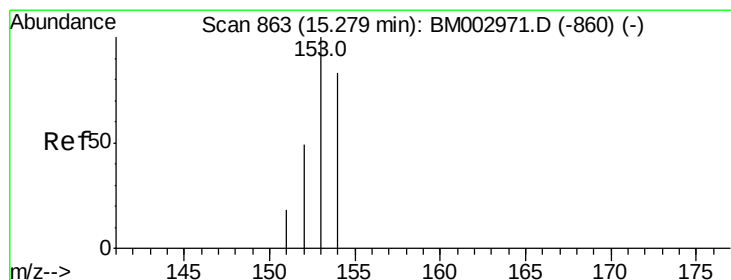
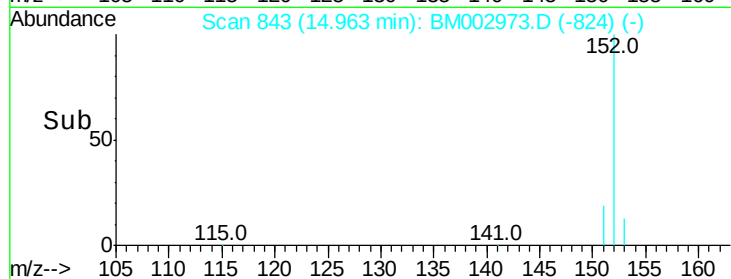
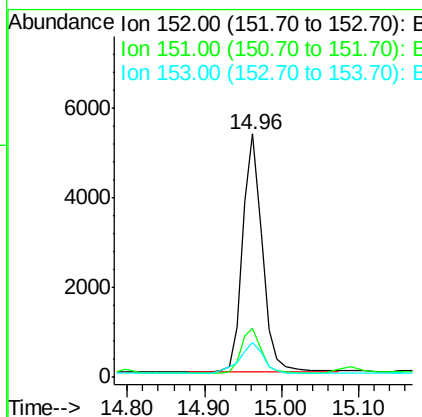
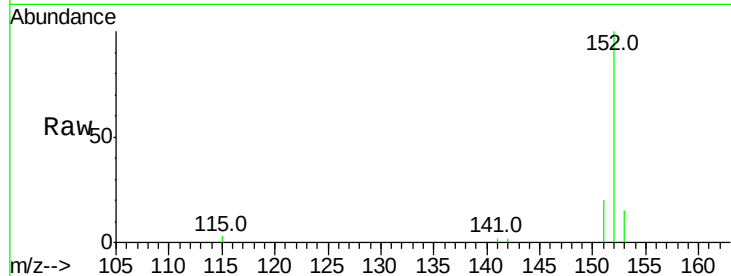
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	14.6	11.3	16.9



#10

Acenaphthene

Concen: 0.02 ng/ul

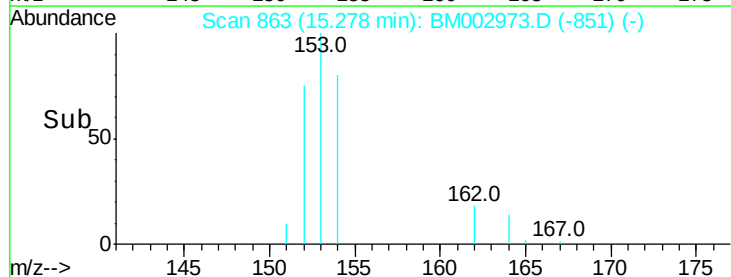
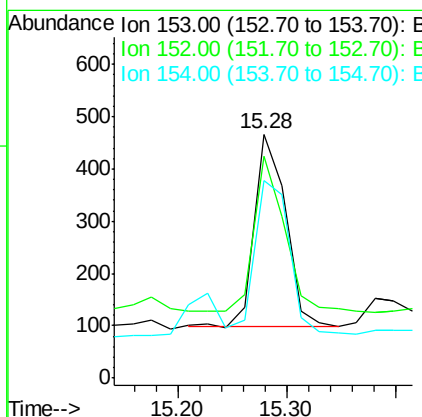
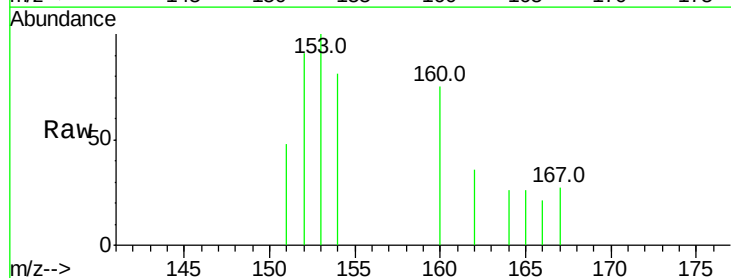
RT: 15.28 min Scan# 863

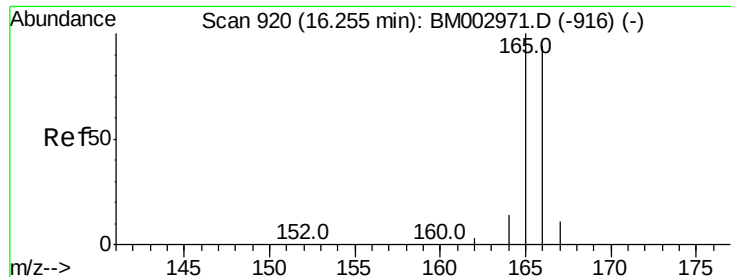
Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	91.0	42.3	63.5#
154	81.1	64.7	97.1





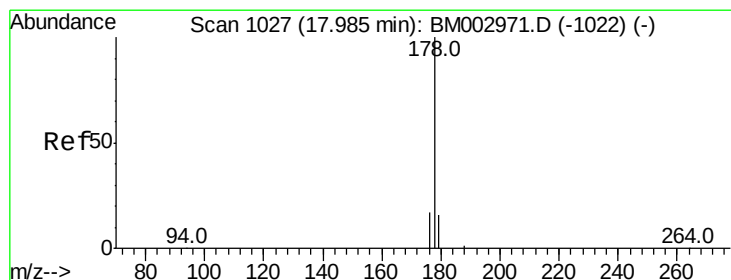
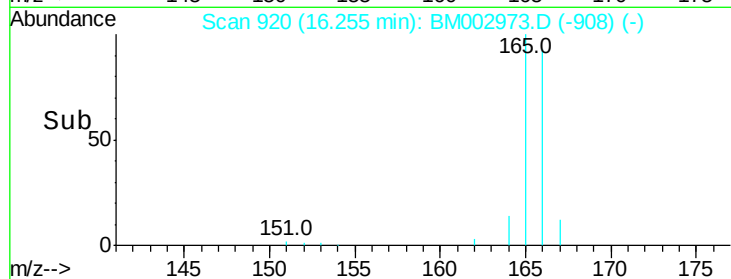
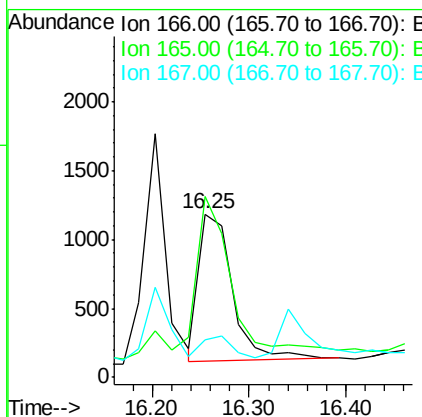
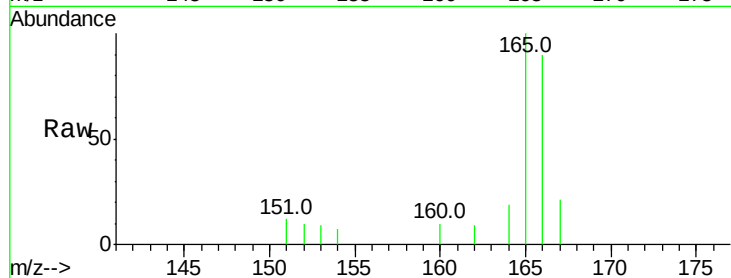
#11
Fluorene
 Concen: 0.05 ng/ul
 RT: 16.25 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BM002973.D
 Acq: 22 Oct 2015 12:08

Instrument :
 BNA_M
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	110.8	87.6	131.4
167	23.3	11.1	16.7#

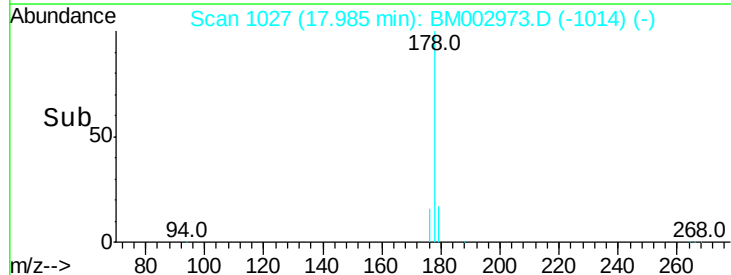
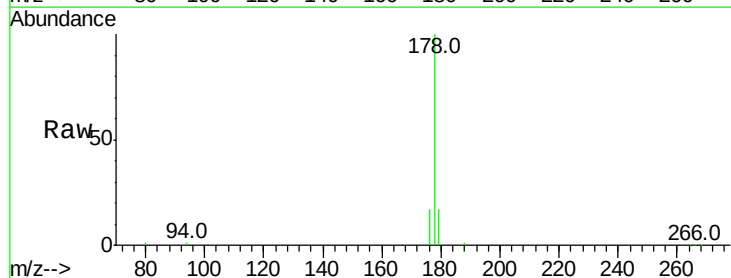
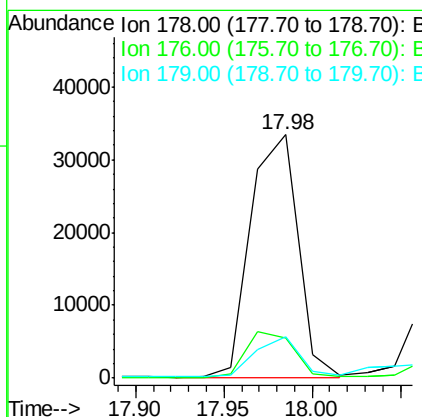
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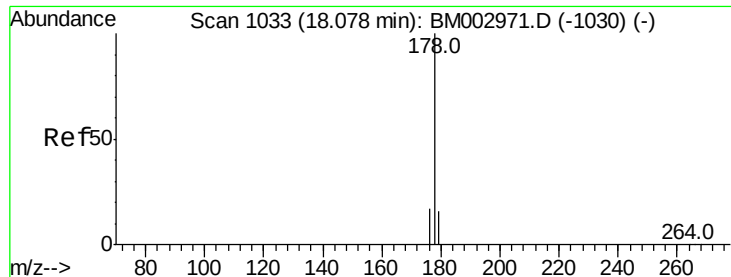
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#14
Phenanthrene
 Concen: 0.67 ng/ul m
 RT: 17.98 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BM002973.D
 Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	16.2	24.4
179	17.2	12.8	19.2





#15

Anthracene

Concen: 0.27 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

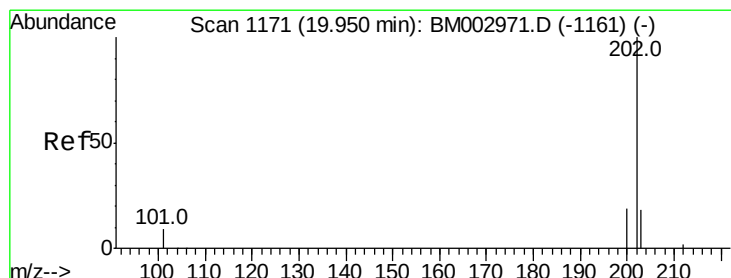
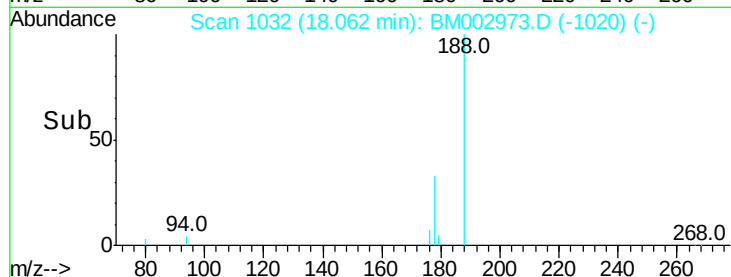
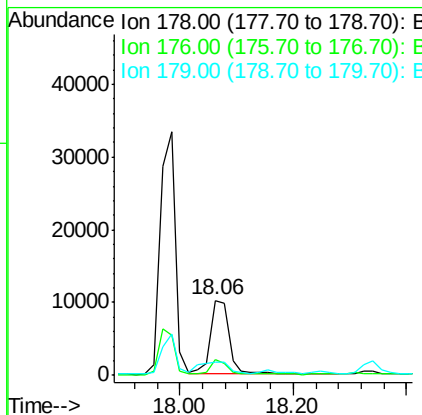
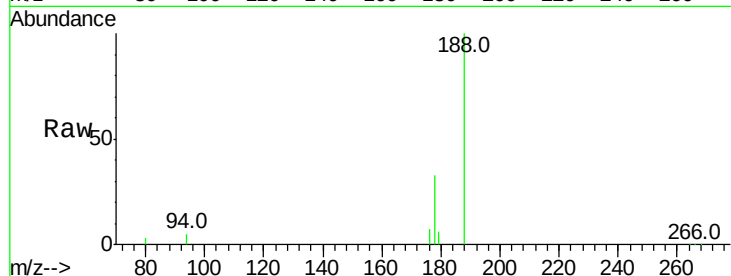
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.8
179	17.6	13.3	19.9



#17

Fluoranthene

Concen: 3.22 ng/ul

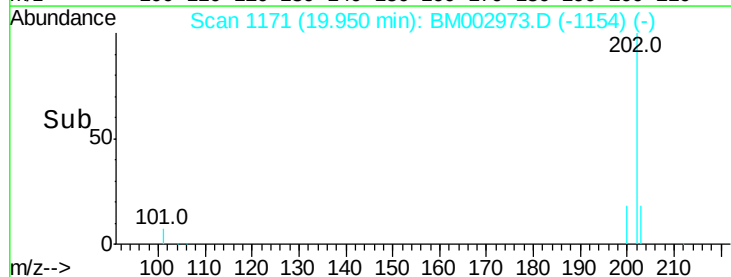
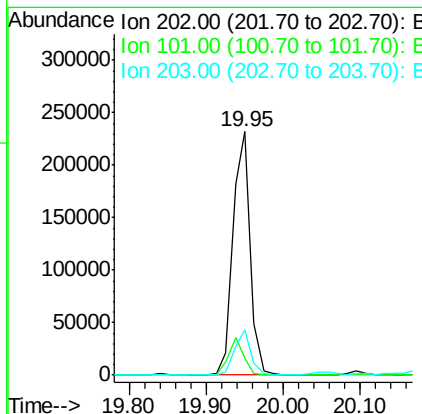
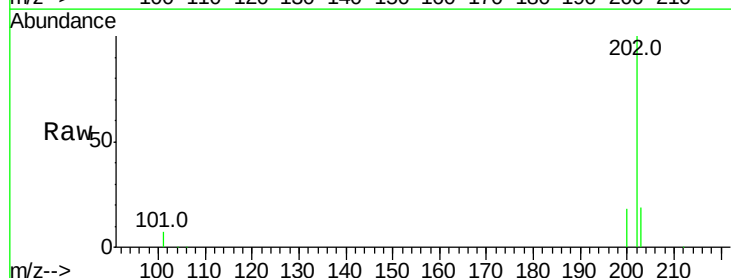
RT: 19.95 min Scan# 1171

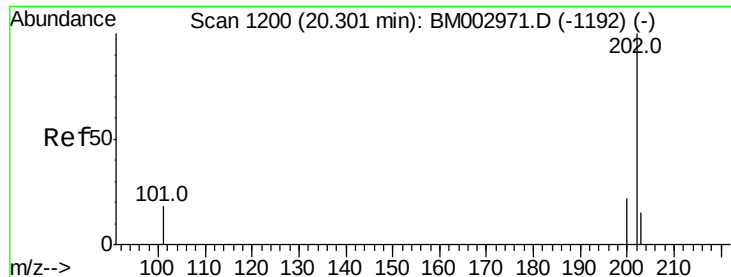
Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	33.1
203	18.6	0.0	37.2





#19

Pvrene

Concen: 3.07 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

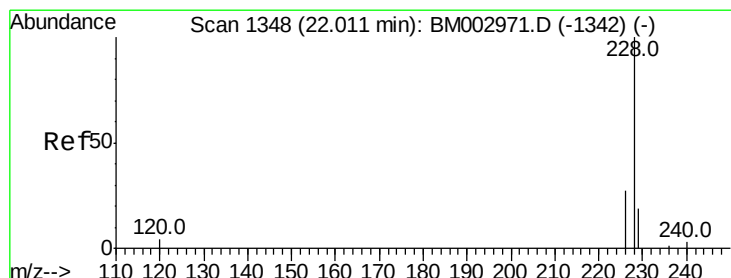
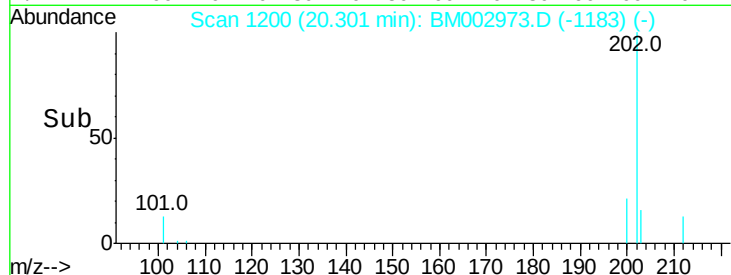
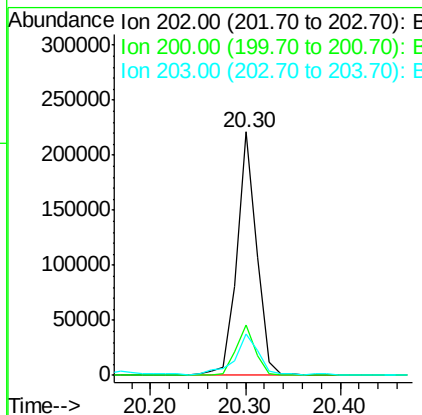
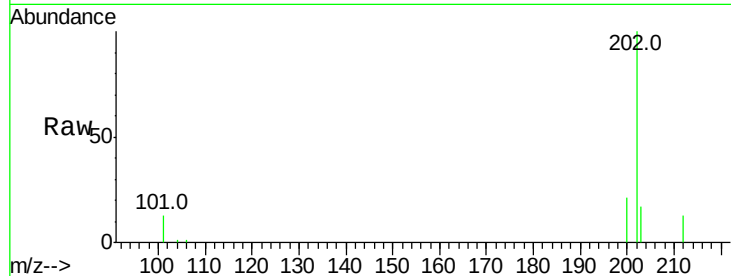
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.6	18.0	27.0		
203	17.0	13.8	20.6		



#20

Benzo(a)anthracene

Concen: 0.89 ng/ul

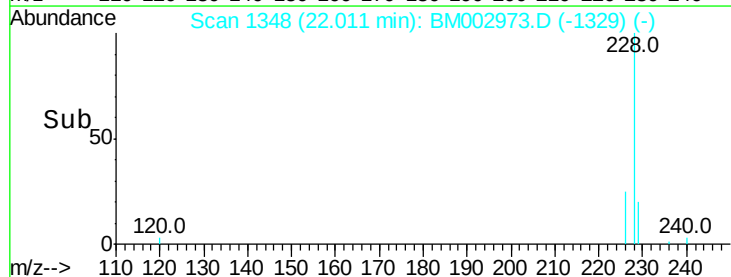
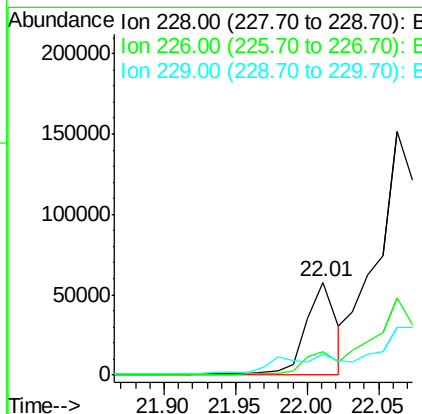
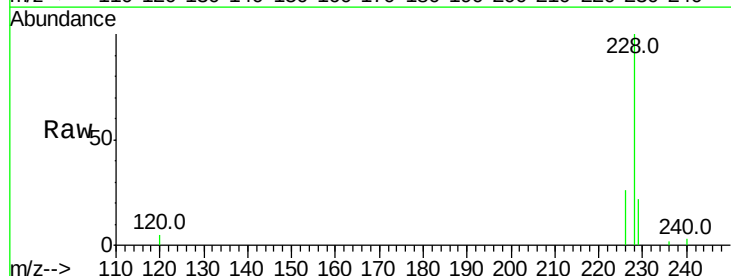
RT: 22.01 min Scan# 1348

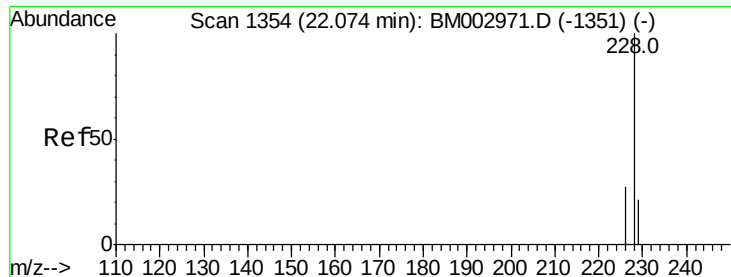
Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	25.9	23.0	34.4		
229	22.4	15.2	22.8		





#21

Chrysene

Concen: 3.15 ng/ul

RT: 22.06 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

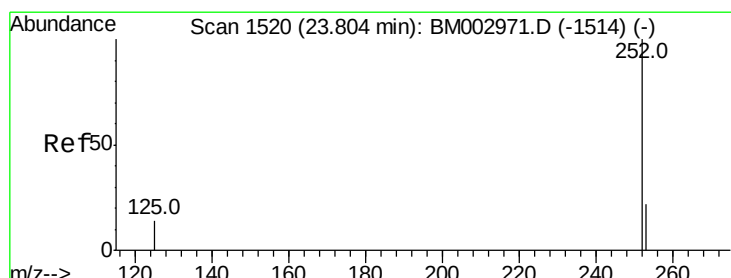
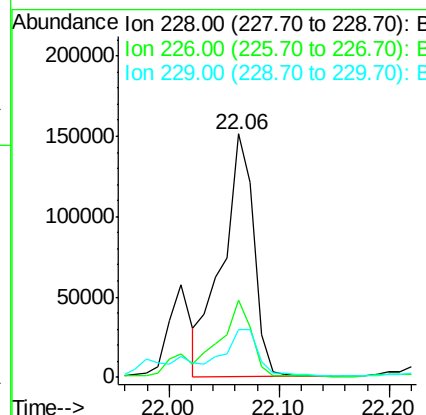
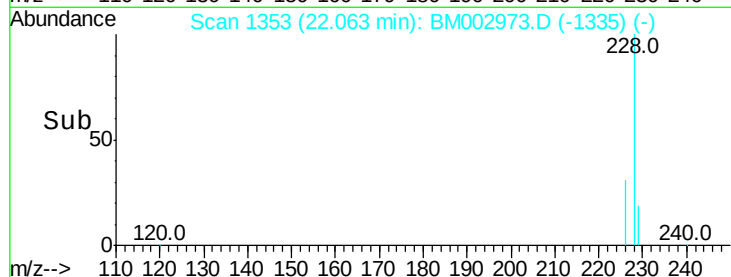
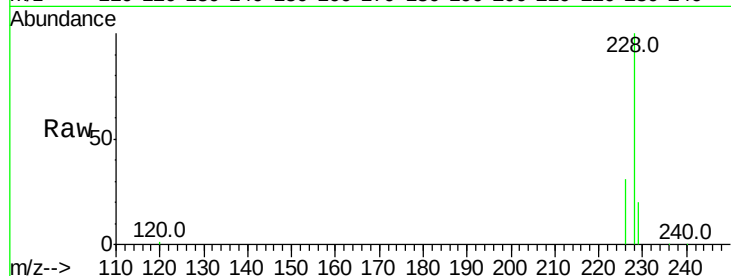
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.7	38.5
229	19.9	15.2	22.8



#23

Benzo(b)fluoranthene

Concen: 5.53 ng/ul m

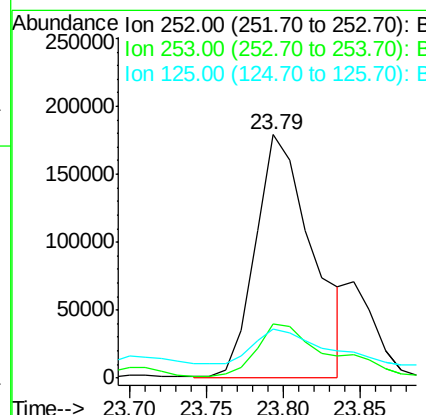
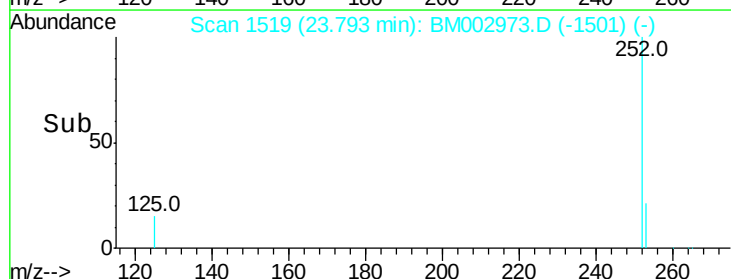
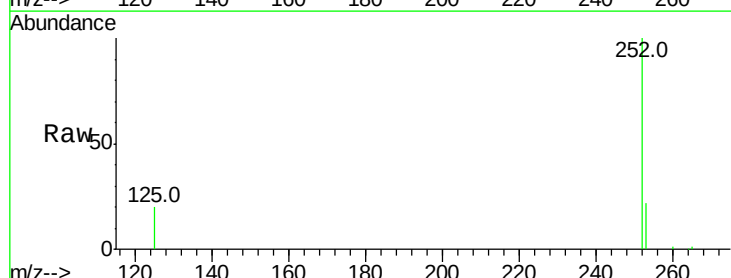
RT: 23.79 min Scan# 1519

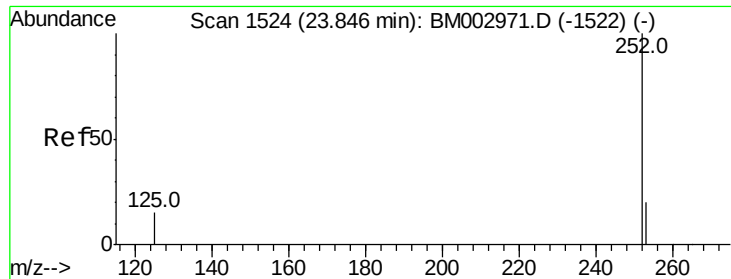
Delta R.T. -0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	48.0
125	20.4	0.0	36.6





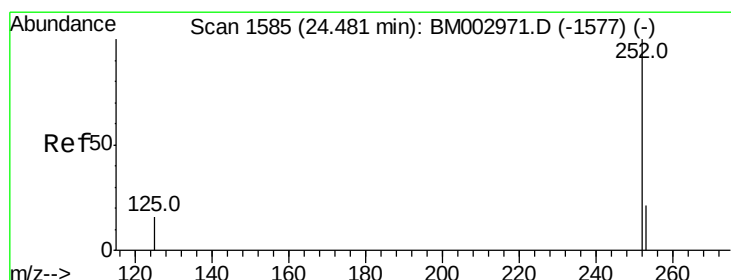
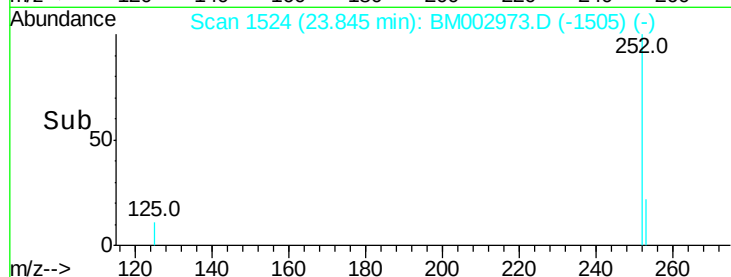
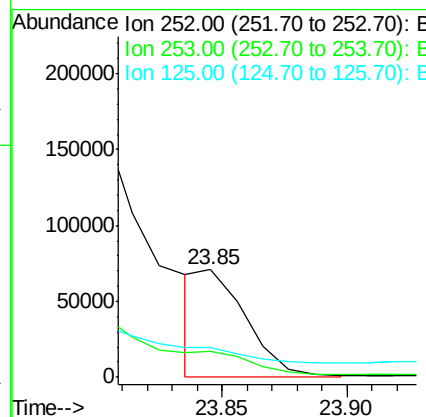
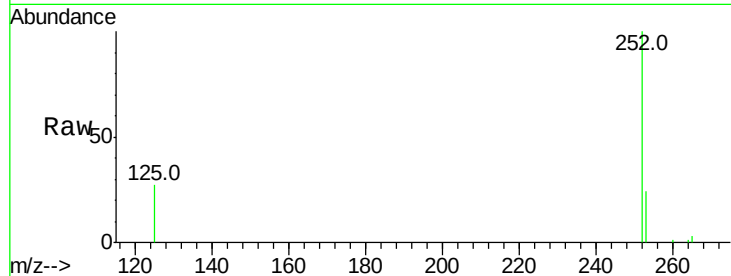
#24
Benzo(k)fluoranthene
Concen: 1.15 ng/ul m
RT: 23.85 min Scan# 1524
Delta R.T. -0.00 min
Lab File: BM002973.D
Acq: 22 Oct 2015 12:08

Instrument :
BNA_M
ClientSampleId :
JG9J8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.8	31.2
125	27.4	12.2	18.4#

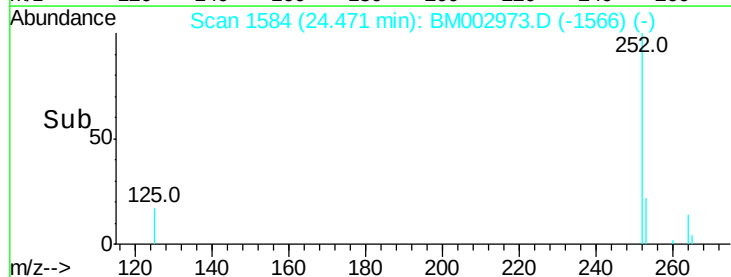
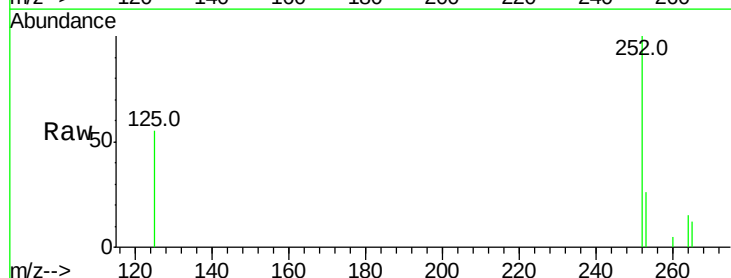
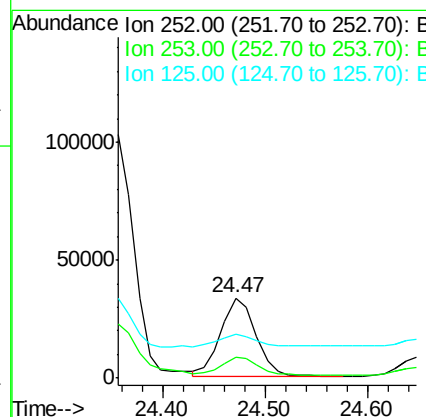
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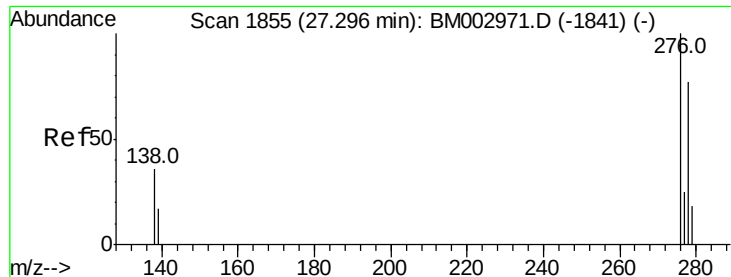
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#25
Benzo(a)pyrene
Concen: 0.97 ng/ul
RT: 24.47 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BM002973.D
Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	21.8	32.8
125	54.9	14.5	21.7#





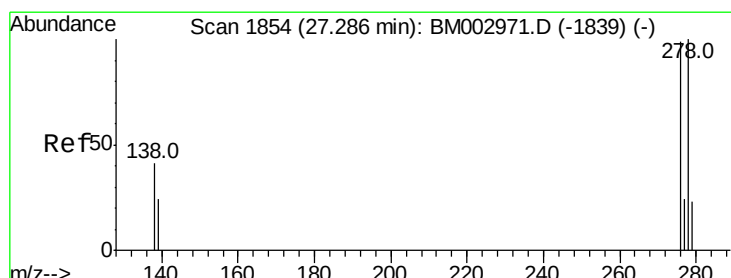
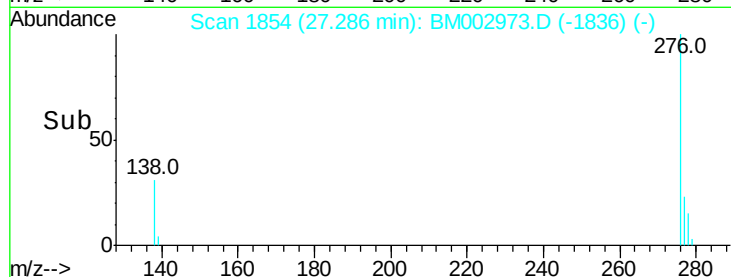
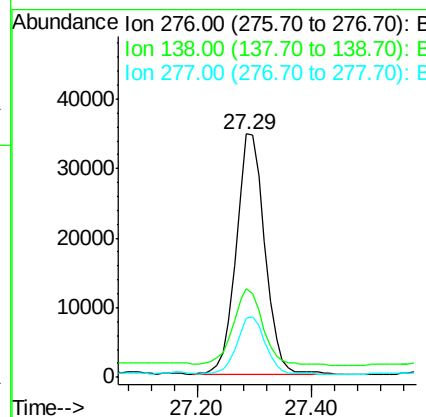
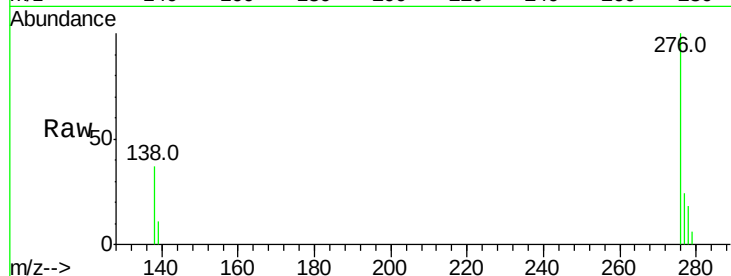
#26
Indeno(1,2,3-cd)pyrene
Concen: 1.38 ng/ul
RT: 27.29 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM002973.D
Acq: 22 Oct 2015 12:08

Instrument :
BNA_M
ClientSampleId :
JG9J8

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	34.1	27.5	41.3	
277	24.1	19.3	28.9	

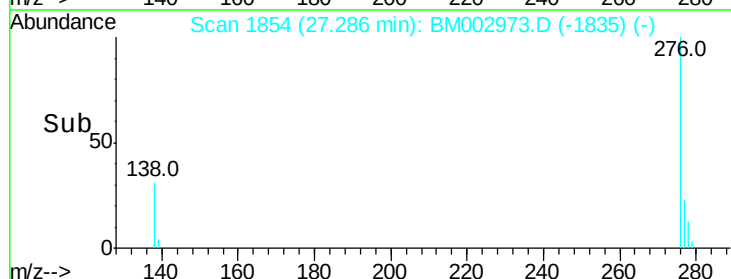
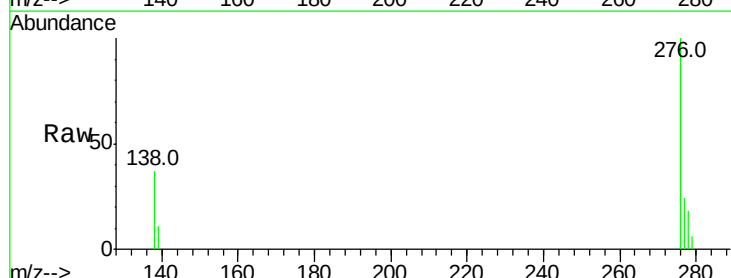
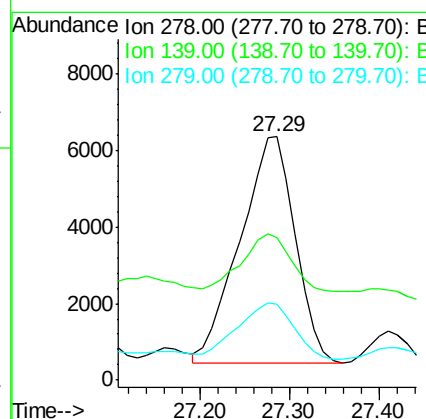
Manual Integrations
APPROVED

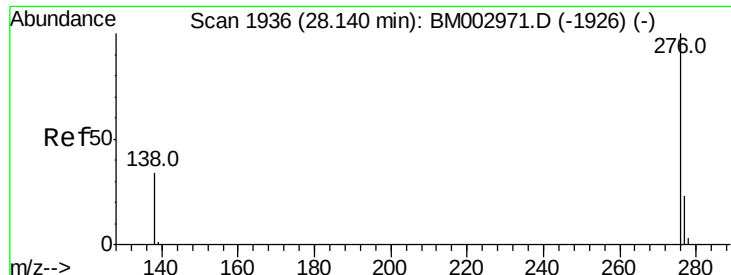
mmdadoda
10/23/2015 4:43:23 PM



#27
Dibenzo(a,h)anthracene
Concen: 0.36 ng/ul
RT: 27.29 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BM002973.D
Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	58.7	21.7	32.5#	
279	31.2	21.9	32.9	





#28

Benzo(a,h,i)perylene

Concen: 1.59 ng/ul

RT: 28.14 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BM002973.D

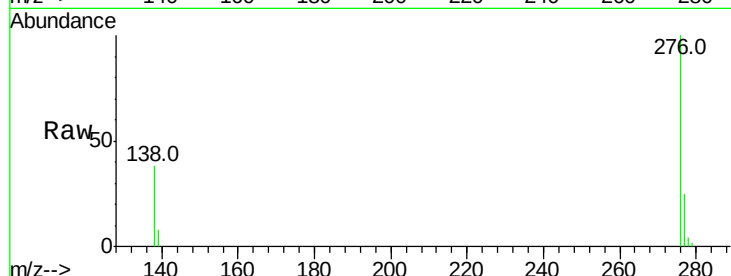
Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8



Tot Ion: 276 Resp: 115033

Ion Ratio Lower Upper

276 100

277 24.5 21.3 31.9

138 38.1 25.5 38.3

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:43:23 PM

