

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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UMANGI
 12/29/2015 5:42:09 PM

Quant Time: Dec 29 07:49:00 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 : Tue Dec 29 07:09:39 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3757	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16415	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10131	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	21683m	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	18391	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	12086m	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	22801	14.20	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	8915	0.45	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	21668	0.47	ng/ul	0.00

Target Compounds

					Ovalue
5) Naphthalene	10.51	128	190514	5.15	ng/ul 97
7) 2-Methylnaphthalene	12.13	142	56455	2.27	ng/ul 99
9) Acenaphthylene	14.04	152	8331	0.22	ng/ul# 96
10) Acenaphthene	14.38	153	116518	3.74	ng/ul# 80
11) Fluorene	15.39	166	127489	3.69	ng/ul 96
14) Phenanthrene	17.11	178	539252m	9.64	ng/ul
15) Anthracene	17.21	178	45916	0.95	ng/ul 99
17) Fluoranthene	19.14	202	278842	4.59	ng/ul 99
19) Pyrene	19.51	202	190373	3.83	ng/ul 99
20) Benzo(a)anthracene	21.26	228	32721	0.73	ng/ul# 92
21) Chrysene	21.31	228	30295m	0.59	ng/ul
23) Benzo(b)fluoranthene	22.85	252	13704m	0.33	ng/ul
24) Benzo(k)fluoranthene	22.89	252	3950m	0.11	ng/ul
25) Benzo(a)pyrene	23.42	252	6269m	0.18	ng/ul
26) Indeno(1,2,3-cd)pyrene	25.78	276	1874m	0.05	ng/ul
28) Benzo(a,h,i)perylene	26.46	276	1587m	0.05	ng/ul

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

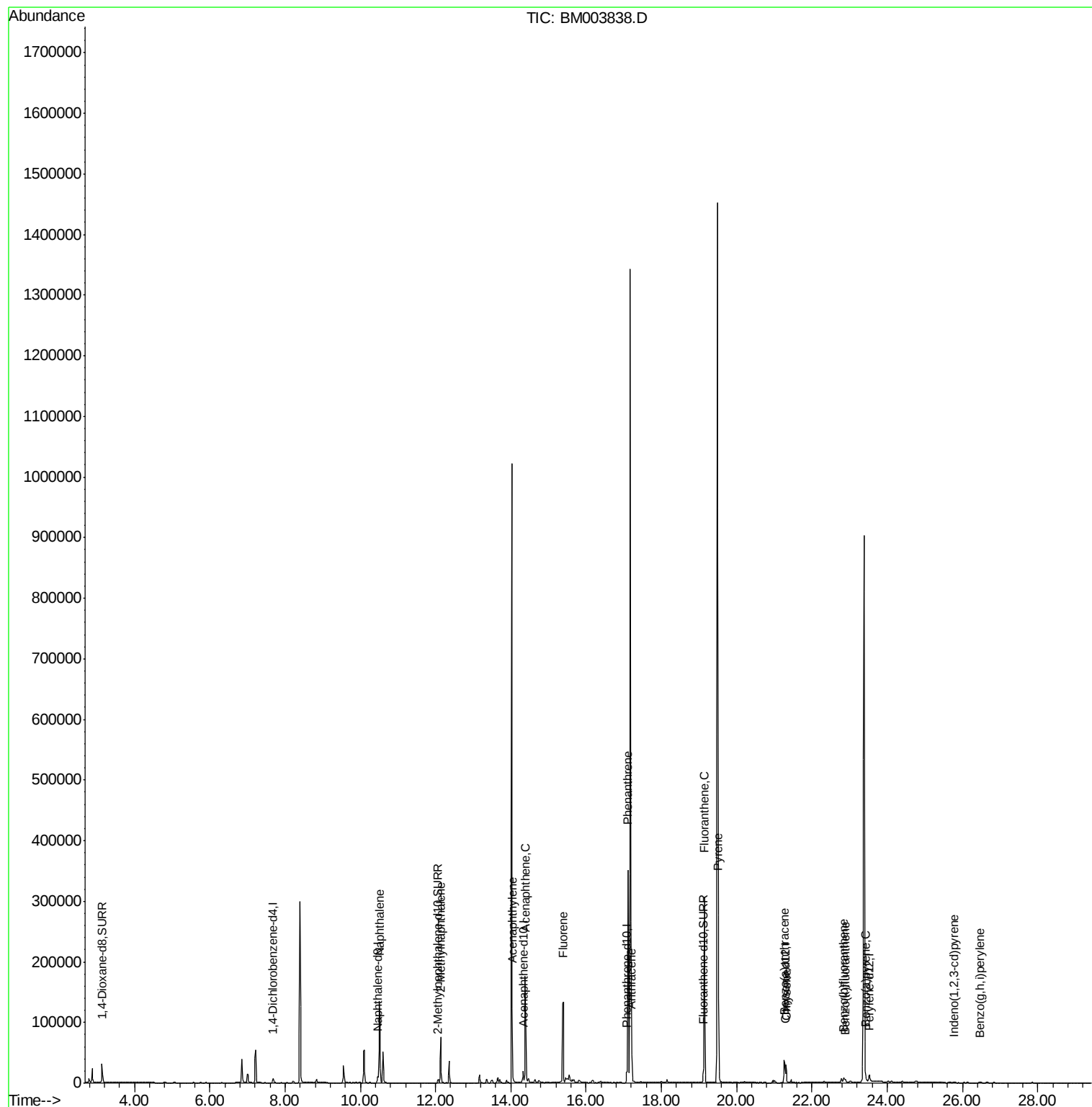
Data Path : Z:\HPCHEM1\BNA M\DATA\BM123015\
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ALS Vial : 8 Sample Multiplier: 1

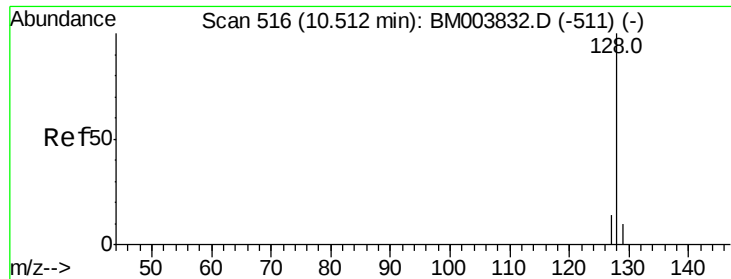
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Quant Time: Dec 29 07:49:00 2015
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Response via : Initial Calibration





#5

Naphthalene

Concen: 5.15 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_M

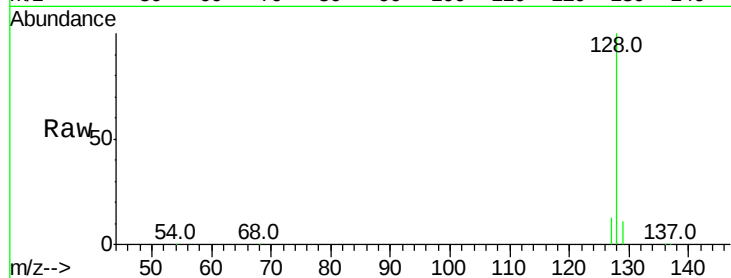
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D9N66

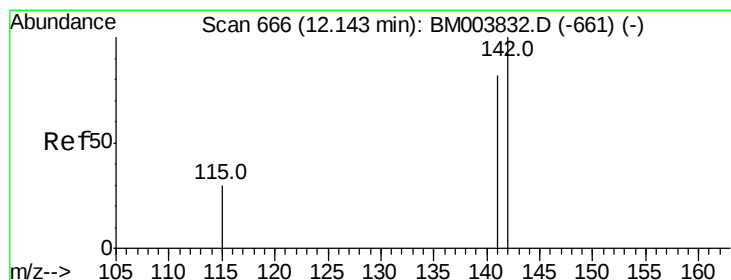
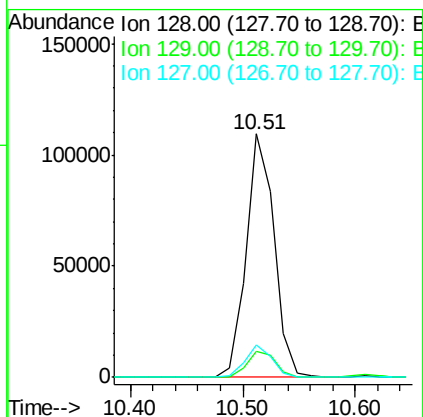
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Tot Ion	128	129	127
Ratio	100	10.5	13.3
Resp Lower		9.0	9.6
Upper		13.6	14.4



#7

2-Methylnaphthalene

Concen: 2.27 ng/ul

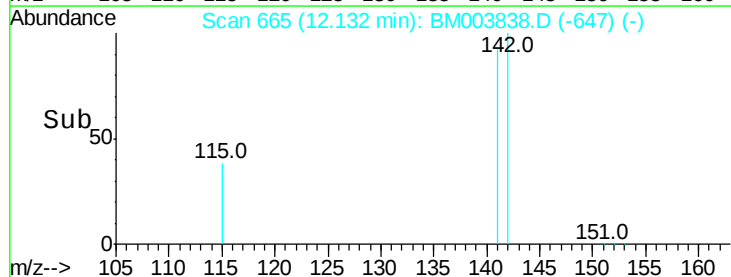
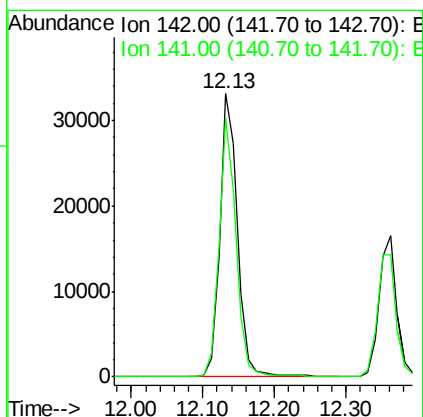
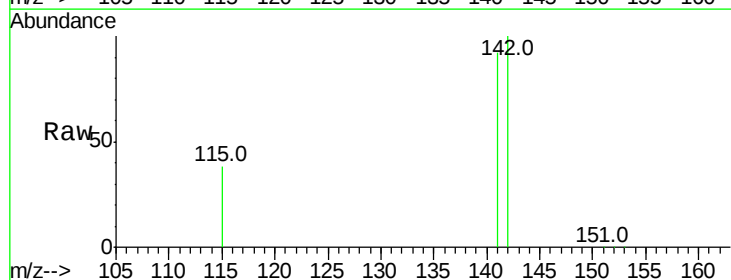
RT: 12.13 min Scan# 665

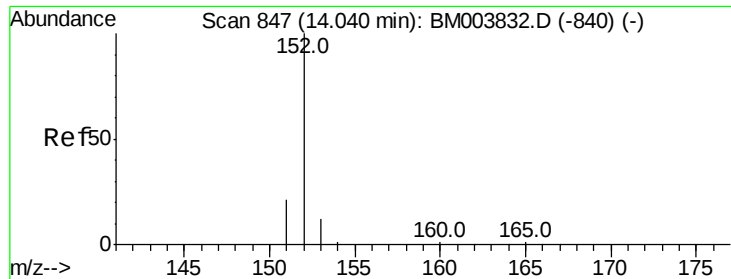
Delta R.T. -0.01 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Tgt Ion	142	141
Ratio	100	88.9
Resp Lower		70.3
Upper		105.5





#9

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_M

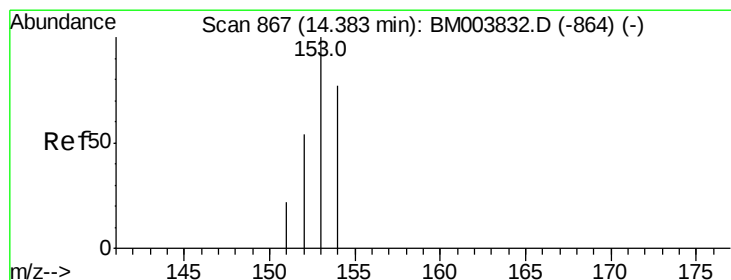
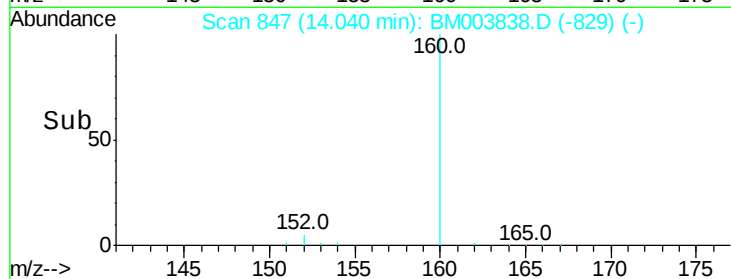
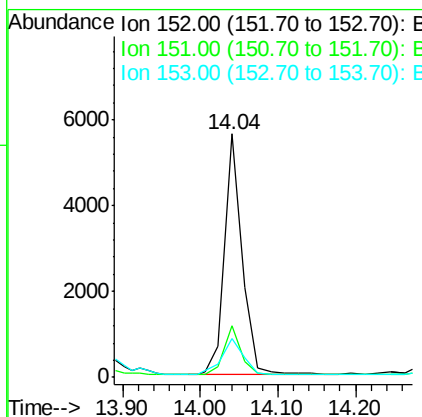
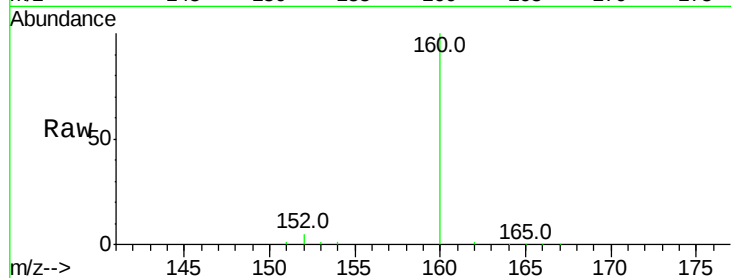
ClientSampleId :

D9N66

Tot Ion:	152	Resp:	8331
Ion Ratio	Lower	Upper	
152	100		
151	21.4	17.6	26.4
153	15.9	9.7	14.5

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#10

Acenaphthene

Concen: 3.74 ng/ul

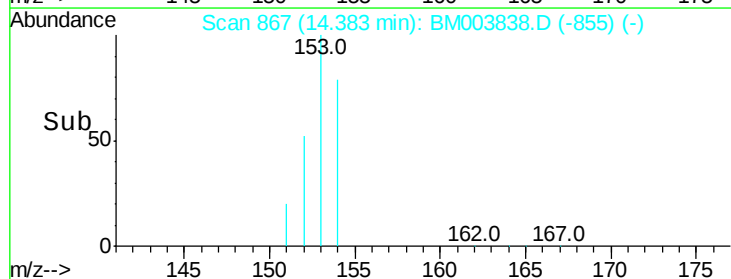
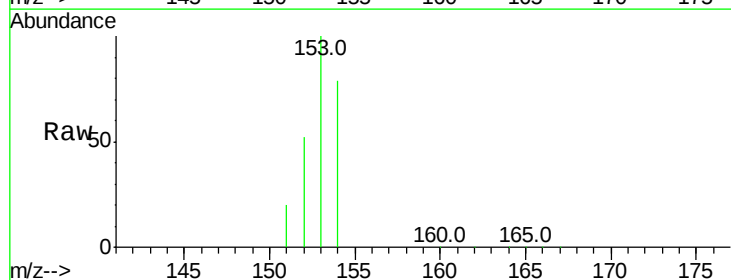
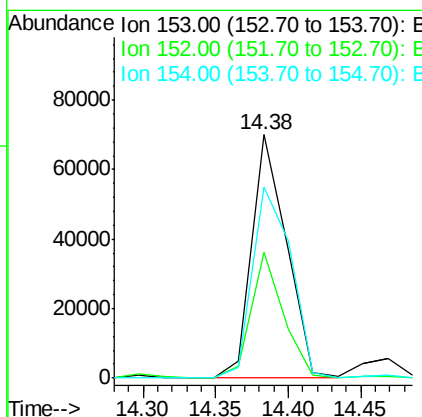
RT: 14.38 min Scan# 867

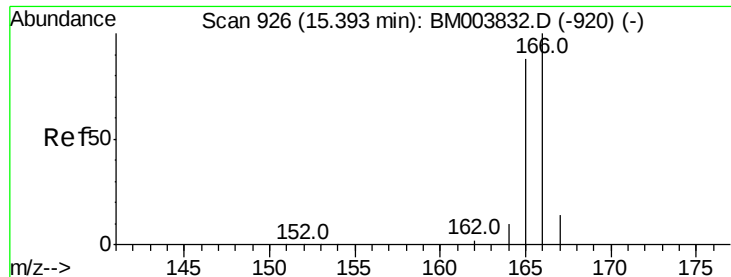
Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Tgt Ion:	153	Resp:	116518
Ion Ratio	Lower	Upper	
153	100		
152	51.6	33.9	50.9
154	78.7	80.6	121.0





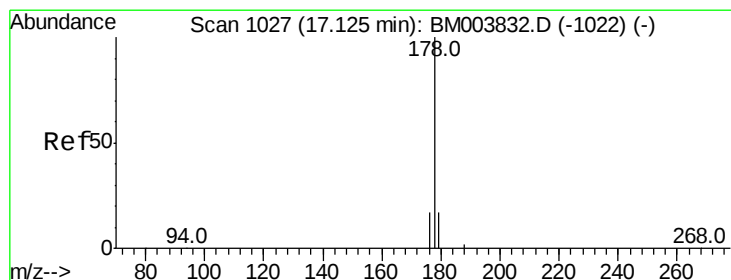
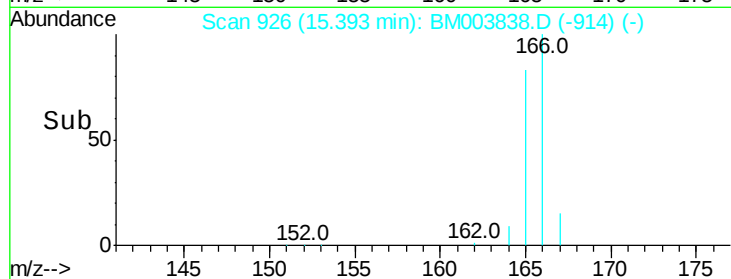
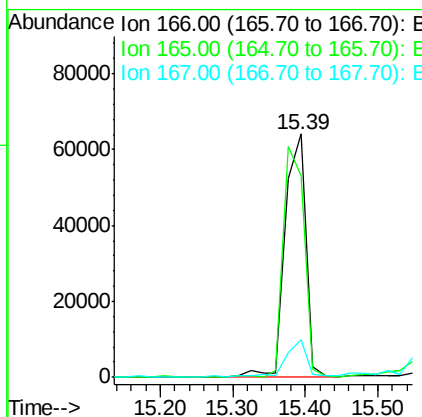
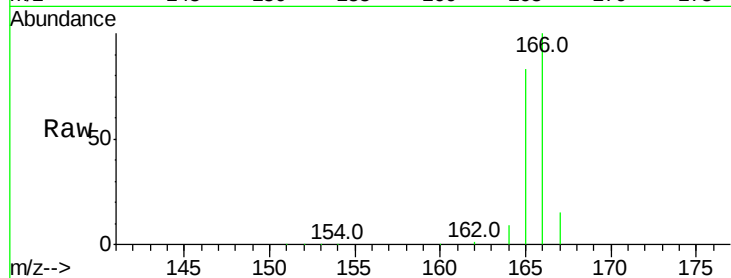
#11
Fluorene
Concen: 3.69 ng/ul
RT: 15.39 min Scan# 926
Delta R.T. -0.00 min
Lab File: BM003838.D
Acq: 28 Dec 2015 20:58

Instrument :
BNA_M
ClientSampleId :
D9N66

Tot Ion	Ratio	Lower	Upper
166	100		
165	82.8	69.6	104.4
167	15.3	11.9	17.9

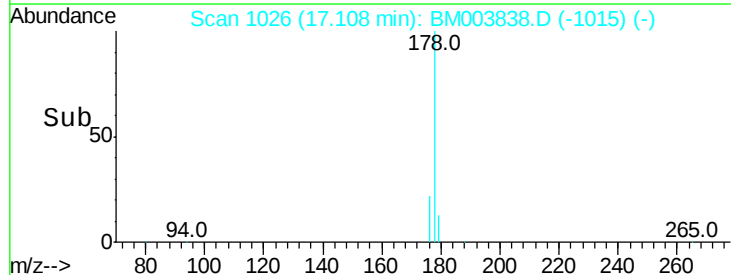
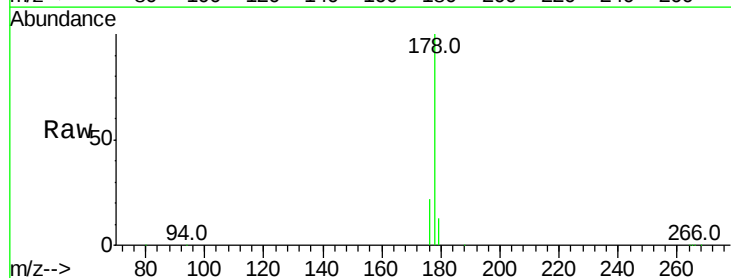
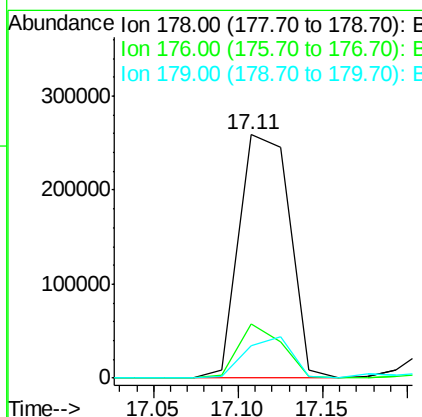
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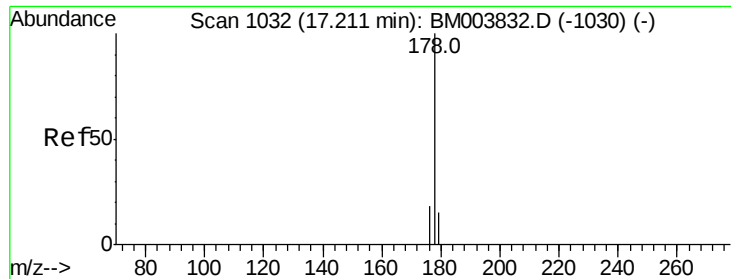
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#14
Phenanthrene
Concen: 9.64 ng/ul m
RT: 17.11 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BM003838.D
Acq: 28 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.3	13.0	19.4#
179	13.3	14.2	21.2#





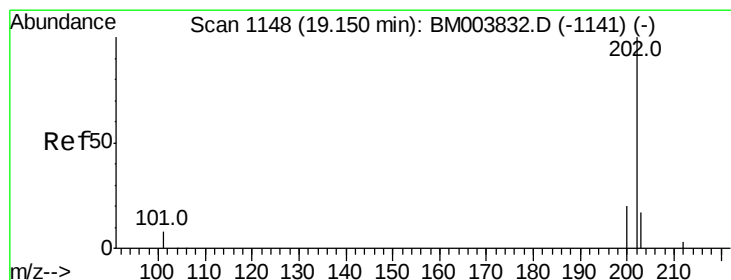
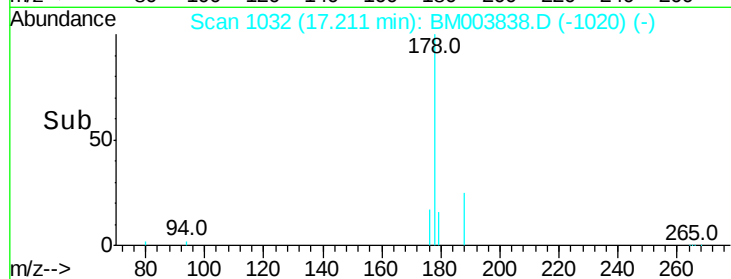
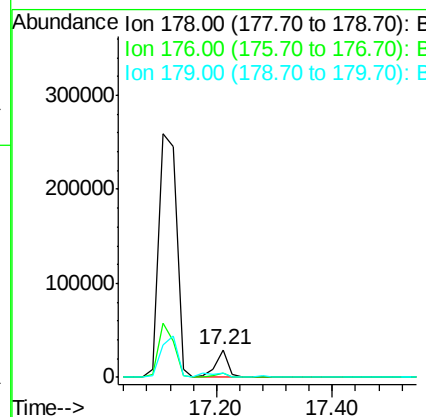
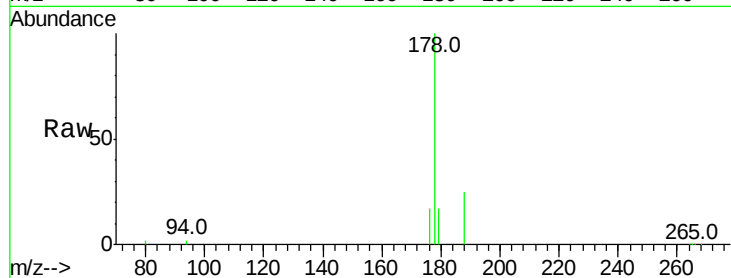
#15
 Anthracene
 Concen: 0.95 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BM003838.D
 Acq: 28 Dec 2015 20:58

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.0	21.0
179	16.5	12.9	19.3

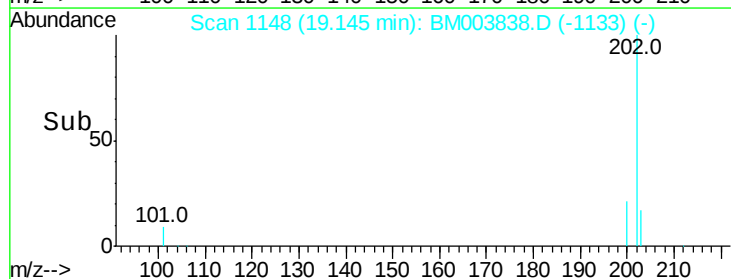
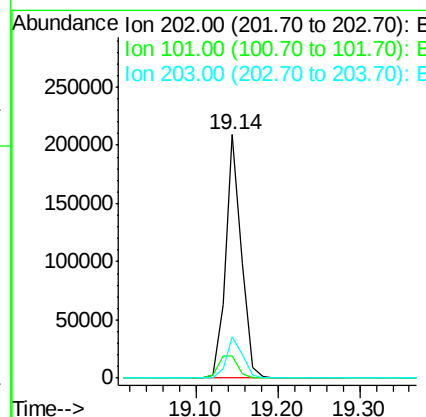
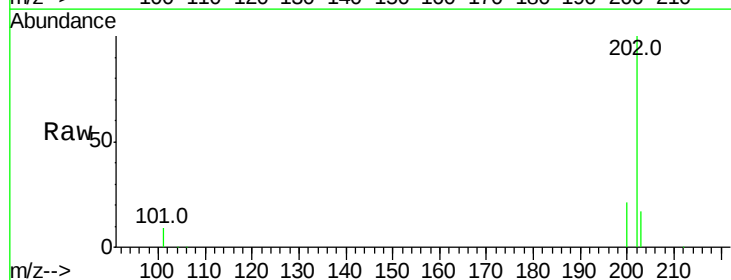
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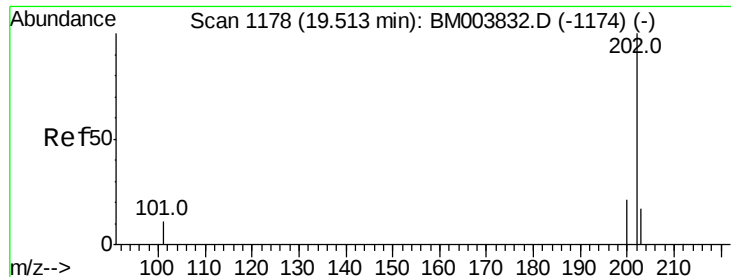
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#17
 Fluoranthene
 Concen: 4.59 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM003838.D
 Acq: 28 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.6
203	16.7	0.0	36.3





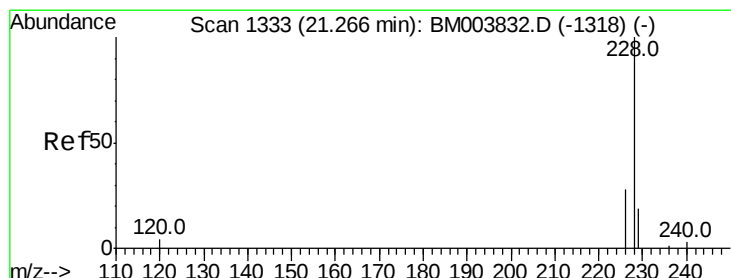
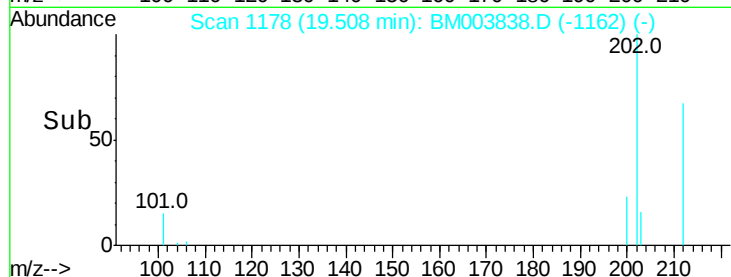
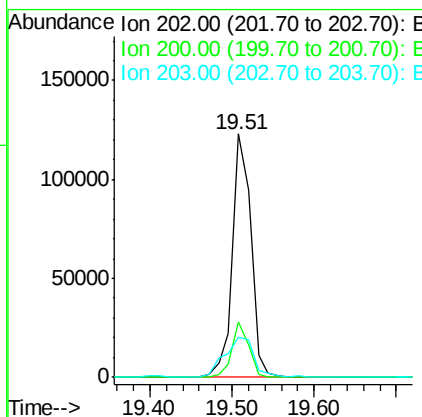
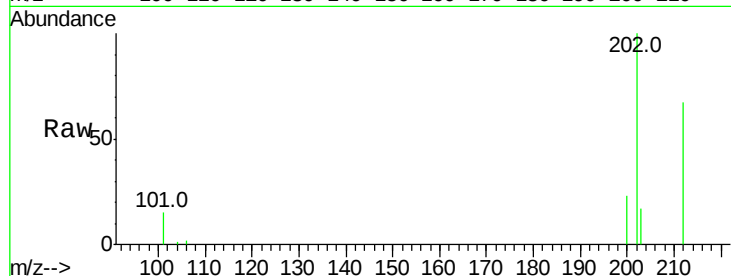
#19
Pvrene
Concen: 3.83 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM003838.D
Acq: 28 Dec 2015 20:58

Instrument :
BNA_M
ClientSampleId :
D9N66

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.8	17.8	26.8
203	16.5	12.8	19.2

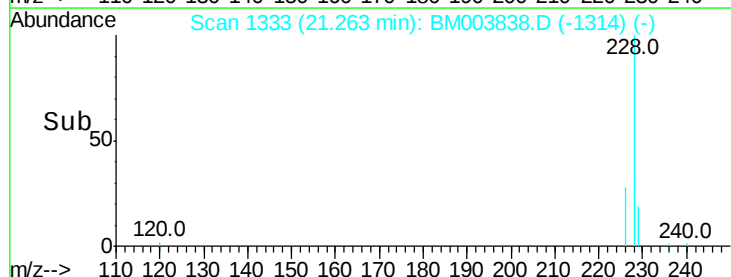
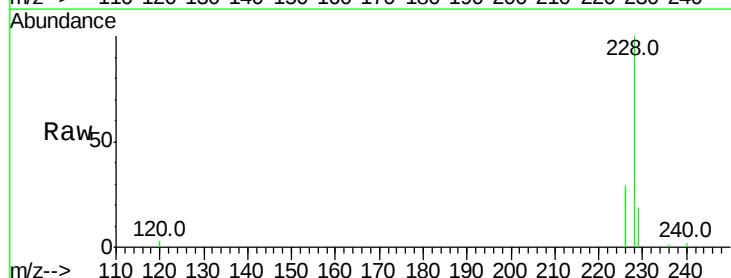
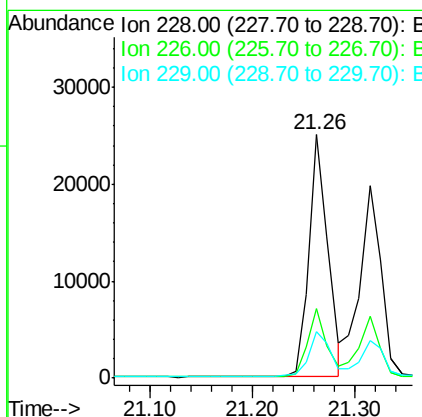
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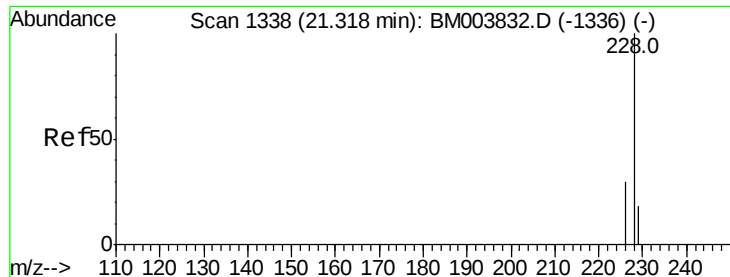
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#20
Benzo(a)anthracene
Concen: 0.73 ng/ul
RT: 21.26 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BM003838.D
Acq: 28 Dec 2015 20:58

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.7	18.8	28.2#
229	19.3	17.1	25.7





#21

Chrysene

Concen: 0.59 ng/ul m

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_M

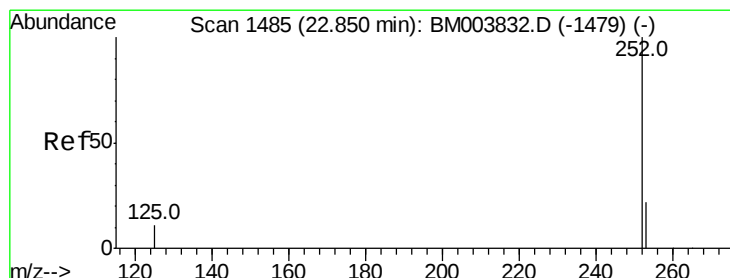
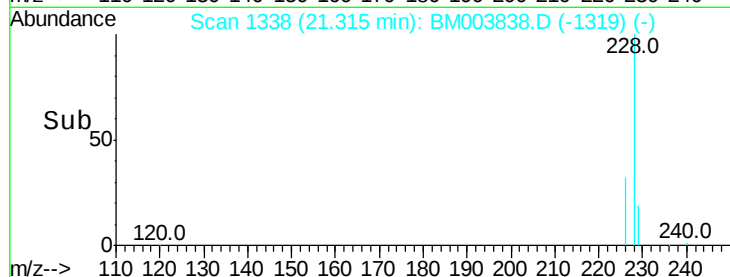
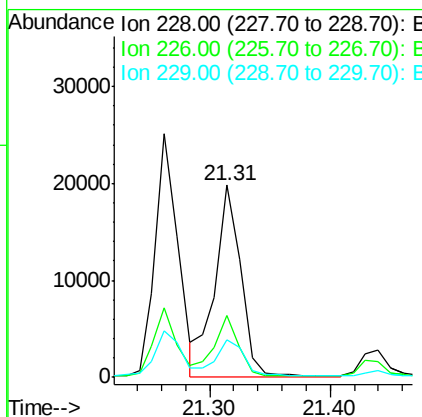
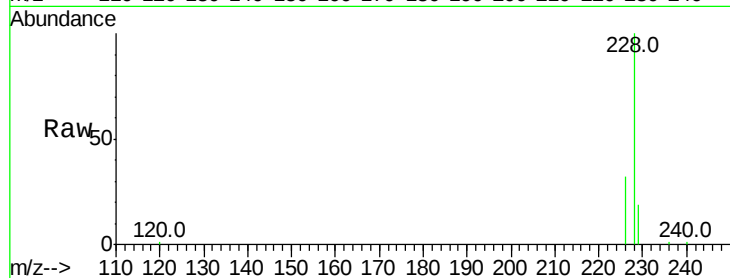
ClientSampleId :

D9N66

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	21.2	31.8#
229	19.2	17.0	25.6

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#23

Benzo(b)fluoranthene

Concen: 0.33 ng/ul m

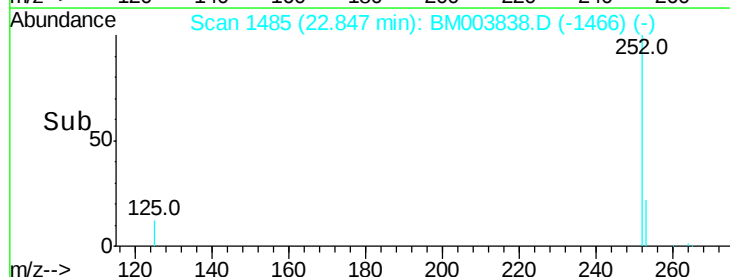
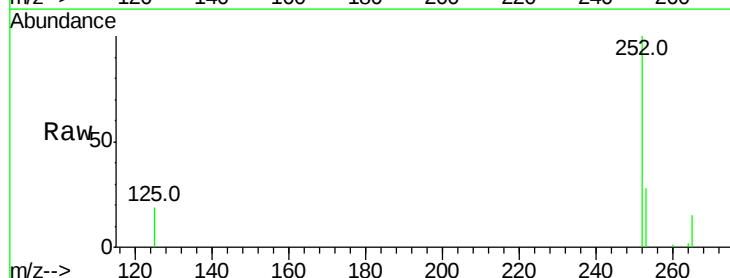
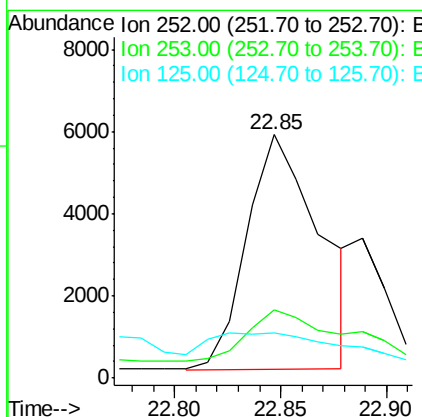
RT: 22.85 min Scan# 1485

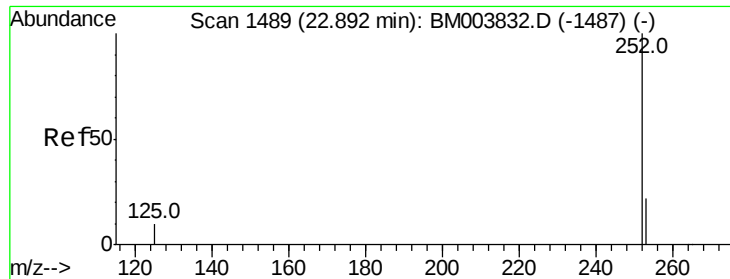
Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	0.0	45.4
125	18.6	0.0	28.8





#24

Benzo(k)fluoranthene

Concen: 0.11 ng/ul m

RT: 22.89 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_M

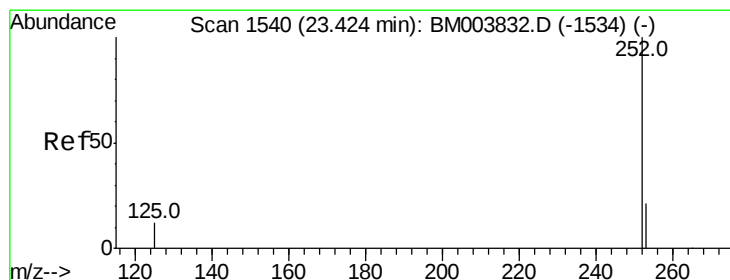
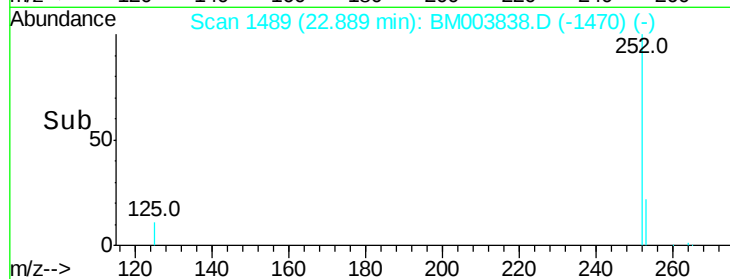
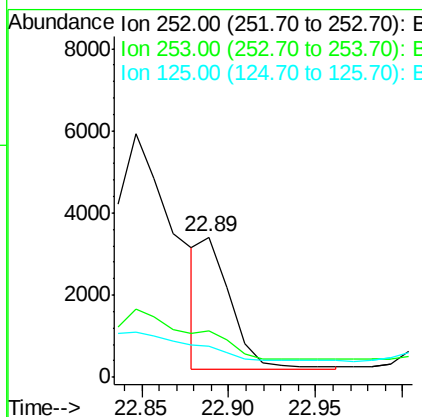
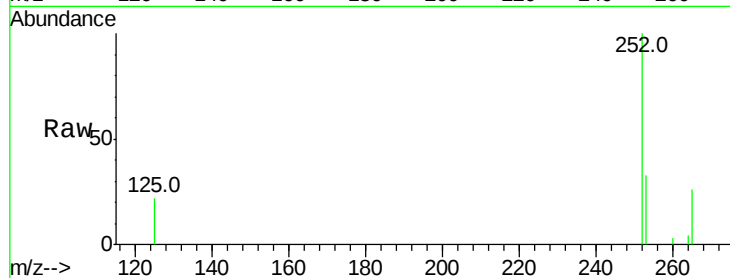
ClientSampleId :

D9N66

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Tot Ion:	252	Resp:	3950
Ion Ratio	Lower	Upper	
252	100		
253	33.0	19.8	29.8#
125	22.4	10.4	15.6#



#25

Benzo(a)pyrene

Concen: 0.18 ng/ul m

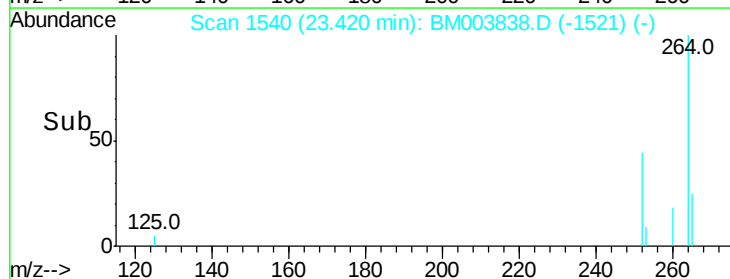
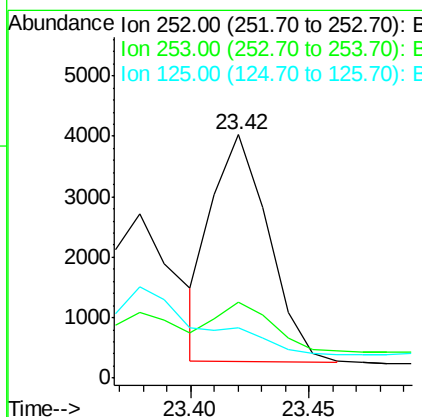
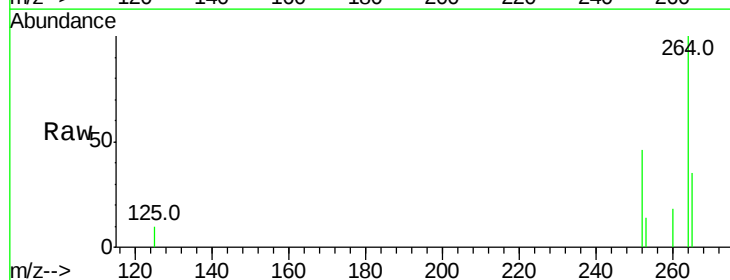
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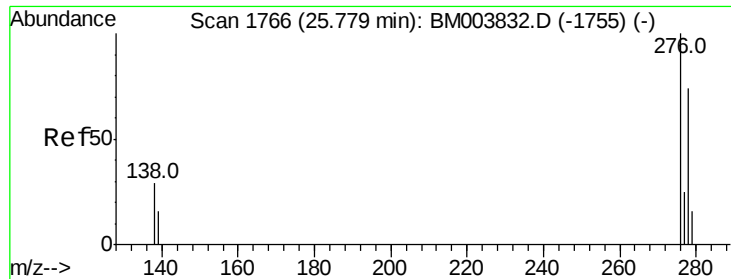
Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Tgt Ion:	252	Resp:	6269
Ion Ratio	Lower	Upper	
252	100		
253	31.1	19.4	29.2#
125	20.9	12.7	19.1#





#26

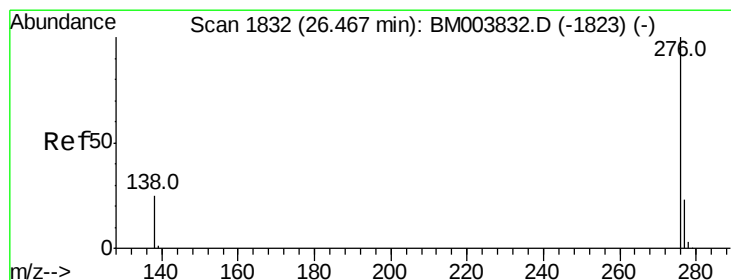
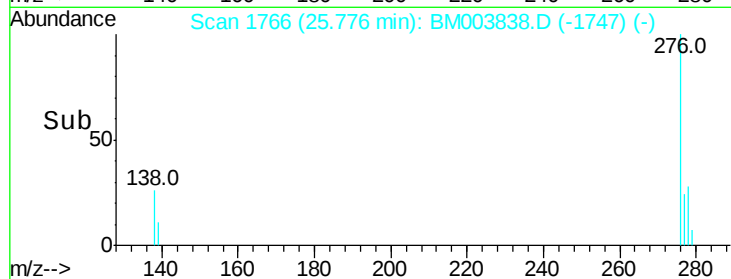
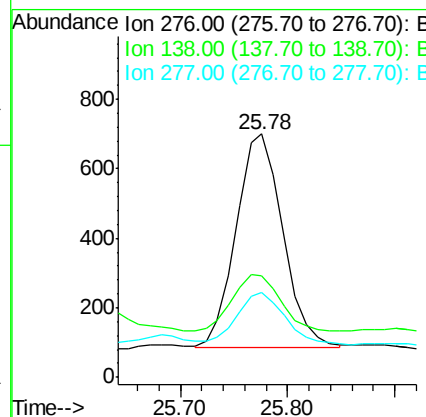
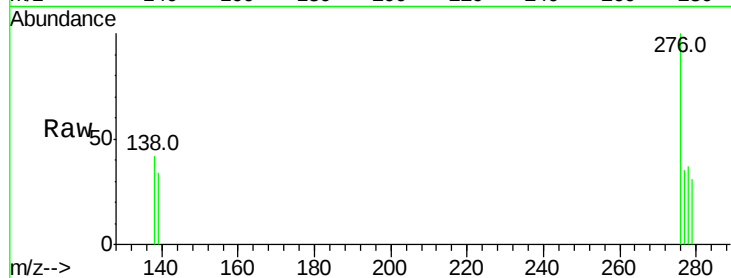
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng/ul m
RT: 25.78 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BM003838.D
Acq: 28 Dec 2015 20:58

Instrument :
BNA_M
ClientSampleId :
D9N66

Tot Ion	Ratio	Lower	Upper
276	100		
138	41.2	16.3	24.5#
277	0.0	19.8	29.8#

Manual Integrations
APPROVED

UMANGI
12/29/2015 5:42:09 PM



#28

Benzo(g,h,i)perylene
Concen: 0.05 ng/ul m
RT: 26.46 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BM003838.D
Acq: 28 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	37.3	18.9	28.3#
138	44.7	22.5	33.7#

