

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090315\
 Data File : BM002662.D
 Acq On : 03 Sep 2015 23:46
 Operator : UM/IZ
 Sample : MDL-03-S
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

Quant Time: Sep 04 04:44:05 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 04 04:35:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	7078	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	28219	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11855	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	19954	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	16966	0.40	ng/ul	0.00
22) Perylene-d12	24.78	264	16826	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	13.17	152	17071	0.45	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	21848	0.48	ng/ul	-0.01

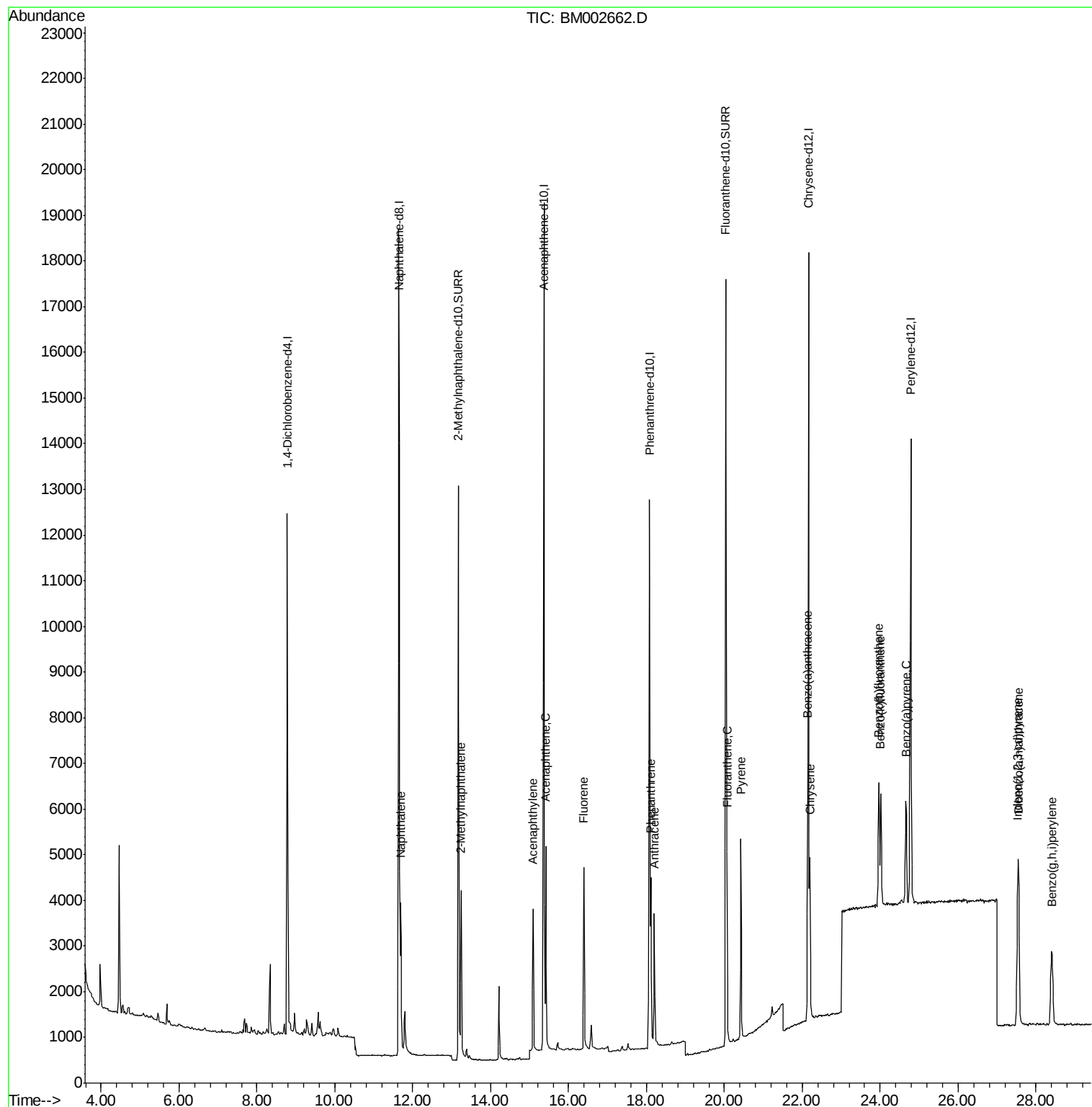
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.69	128	4665	0.06	ng/ul	96
7) 2-Methylnaphthalene	13.25	142	3483	0.07	ng/ul	92
9) Acenaphthylene	15.09	152	4127	0.07	ng/ul	98
10) Acenaphthene	15.42	153	2817	0.06	ng/ul	97
11) Fluorene	16.39	166	2927	0.06	ng/ul	92
14) Phenanthrene	18.11	178	4020	0.07	ng/ul	96
15) Anthracene	18.20	178	3743	0.06	ng/ul	96
17) Fluoranthene	20.07	202	4258	0.07	ng/ul	90
19) Pyrene	20.42	202	4295	0.07	ng/ul#	94
20) Benzo(a)anthracene	22.14	228	4009	0.07	ng/ul#	91
21) Chrysene	22.20	228	3888	0.07	ng/ul#	91
23) Benzo(b)fluoranthene	23.96	252	4398	0.07	ng/ul#	57
24) Benzo(k)fluoranthene	24.01	252	3882	0.07	ng/ul#	52
25) Benzo(a)pyrene	24.66	252	3852	0.07	ng/ul#	51
26) Indeno(1,2,3-cd)pyrene	27.54	276	4619	0.07	ng/ul	98
27) Dibenzo(a,h)anthracene	27.55	278	3682	0.07	ng/ul#	71
28) Benzo(g,h,i)perylene	28.40	276	3960	0.07	ng/ul#	77

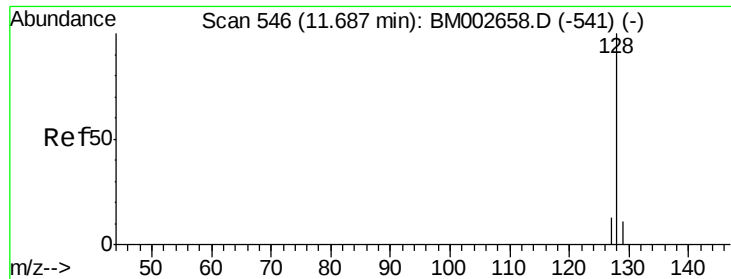
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090315\
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#5

Naphthalene

Concen: 0.06 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

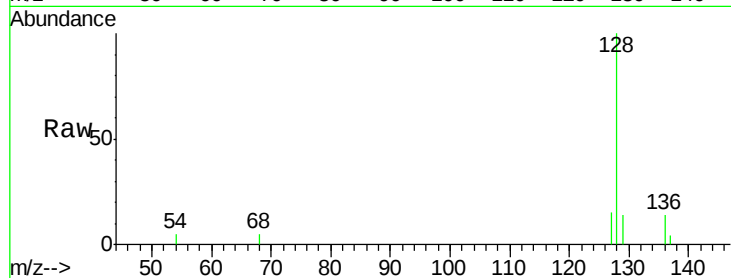
Tgt Ion:128 Resp: 4665

Ion Ratio Lower Upper

128 100

129 14.0 9.8 14.8

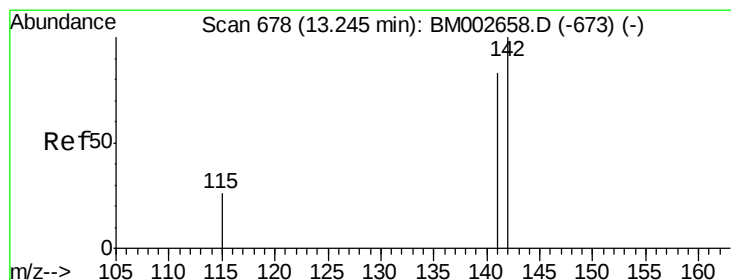
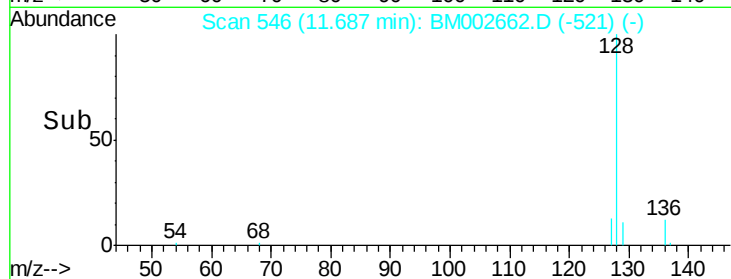
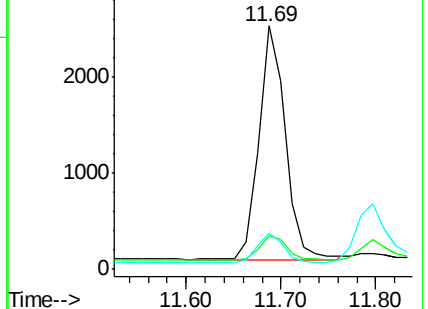
127 15.1 10.7 16.1



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: 0.07 ng/ul

RT: 13.25 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM002662.D

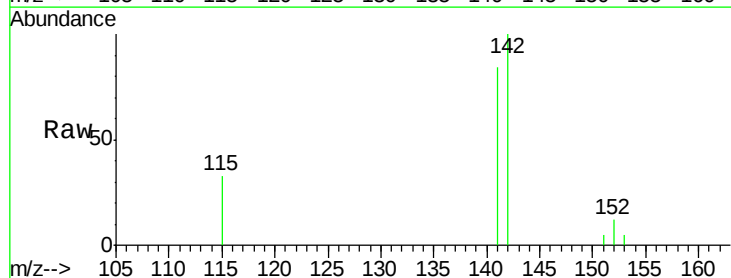
Acq: 03 Sep 2015 23:46

Tgt Ion:142 Resp: 3483

Ion Ratio Lower Upper

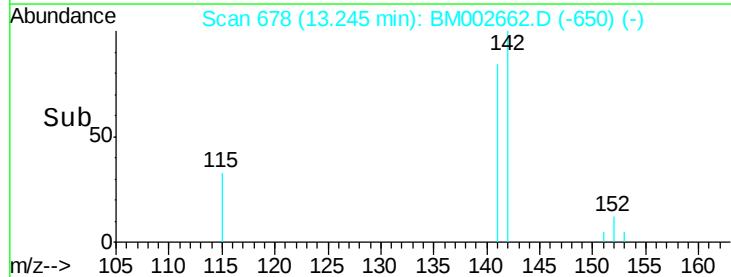
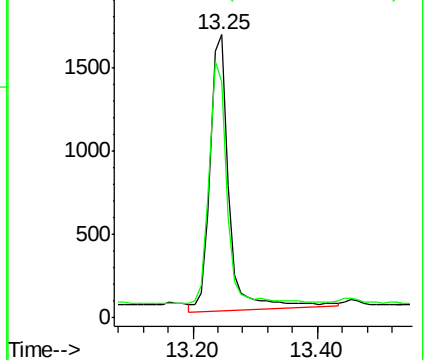
142 100

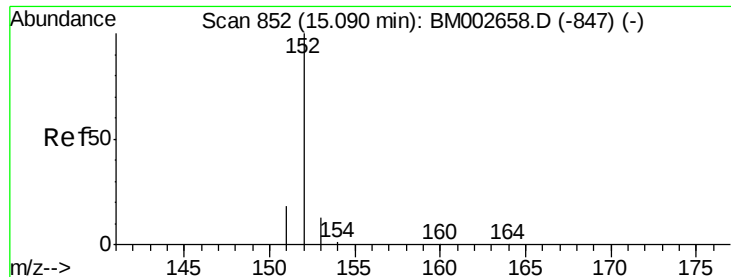
141 95.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

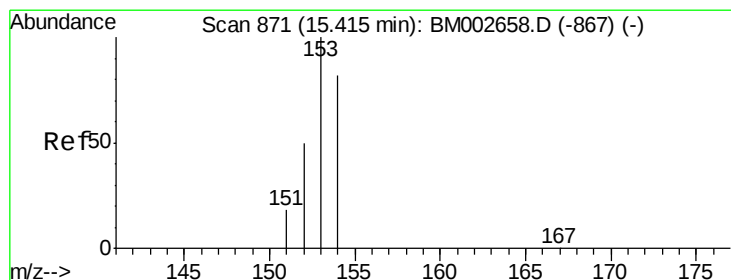
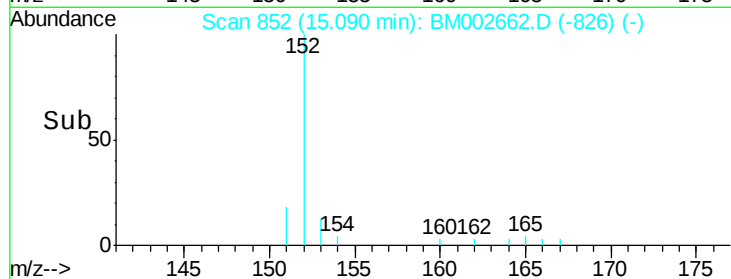
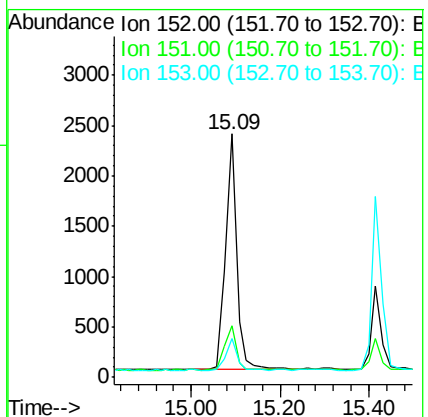
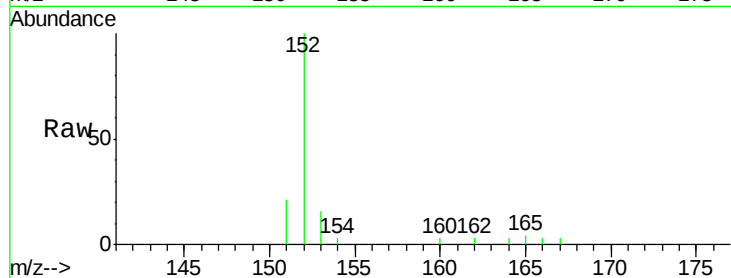
Tgt Ion:152 Resp: 4127

Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

153 15.8 11.3 16.9



#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

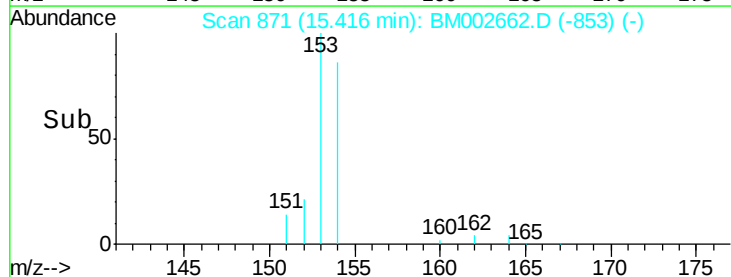
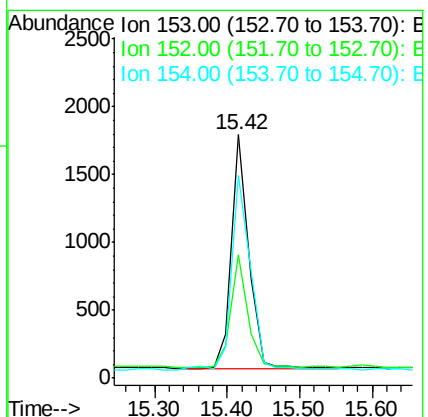
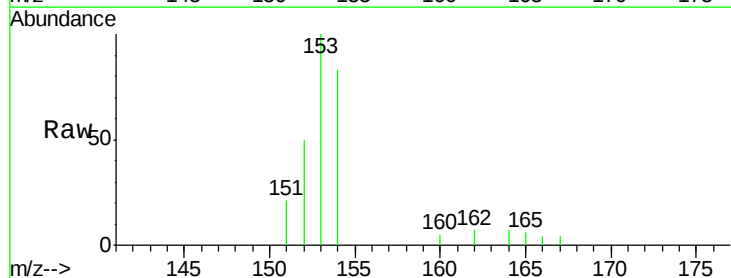
Tgt Ion:153 Resp: 2817

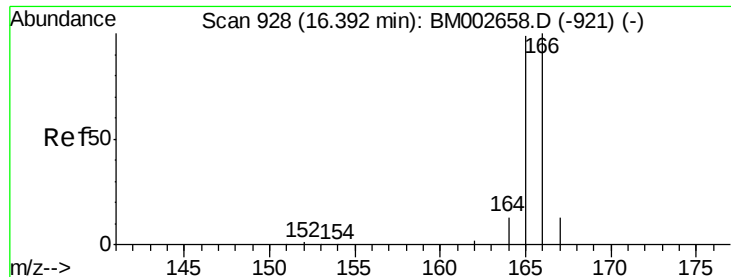
Ion Ratio Lower Upper

153 100

152 50.5 42.3 63.5

154 83.5 64.7 97.1

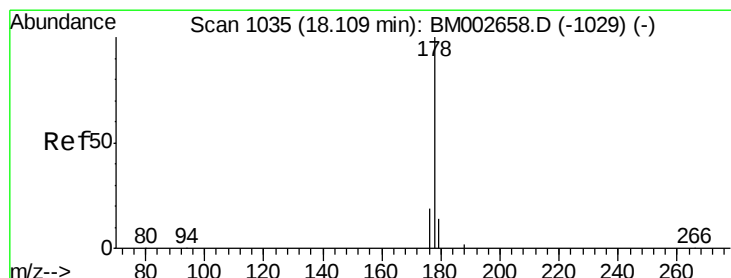
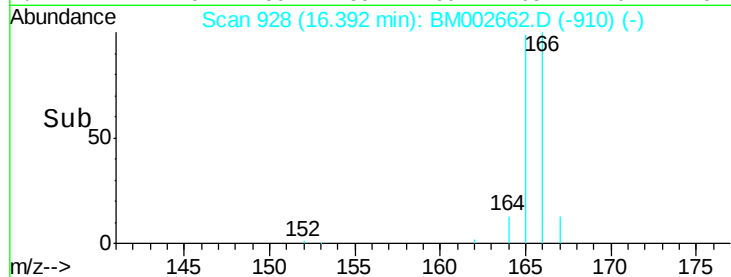
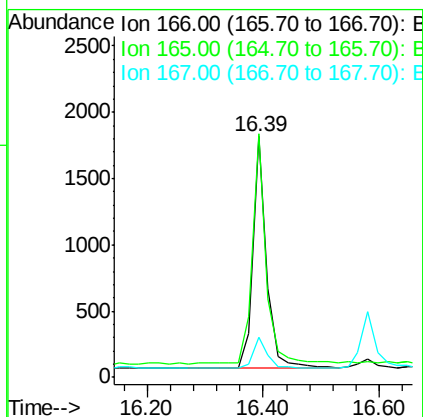
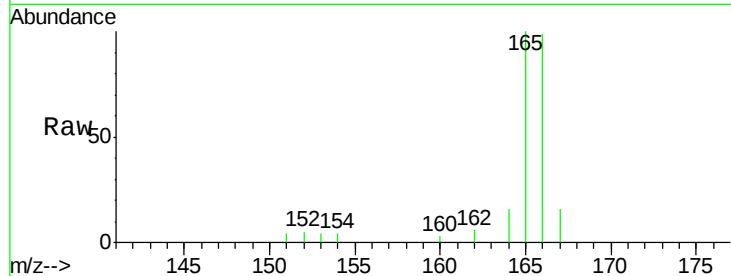




#11
Fluorene
 Concen: 0.06 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002662.D
 Acq: 03 Sep 2015 23:46

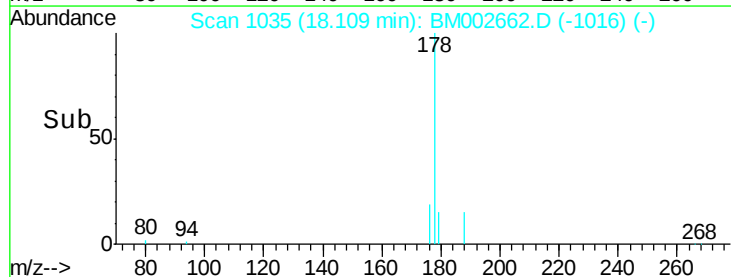
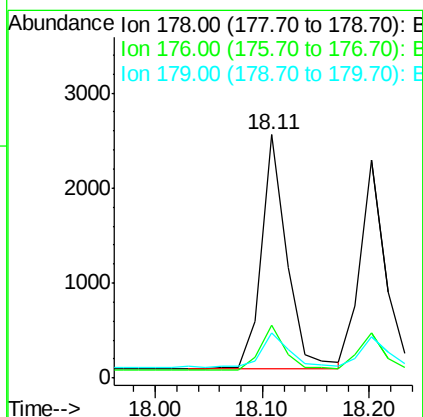
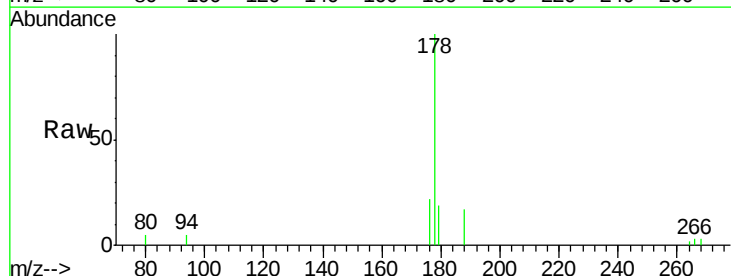
Instrument :
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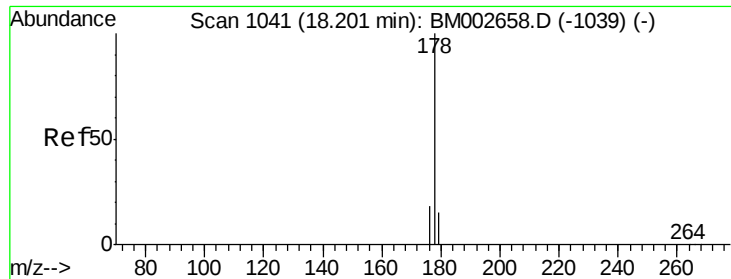
Tgt Ion:166 Resp: 2927
 Ion Ratio Lower Upper
 166 100
 165 101.1 87.6 131.4
 167 16.4 11.1 16.7



#14
Phenanthrene
 Concen: 0.07 ng/ul
 RT: 18.11 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BM002662.D
 Acq: 03 Sep 2015 23:46

Tgt Ion:178 Resp: 4020
 Ion Ratio Lower Upper
 178 100
 176 21.5 16.2 24.4
 179 18.7 12.8 19.2

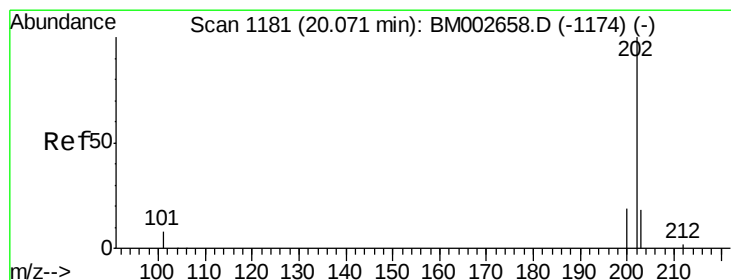
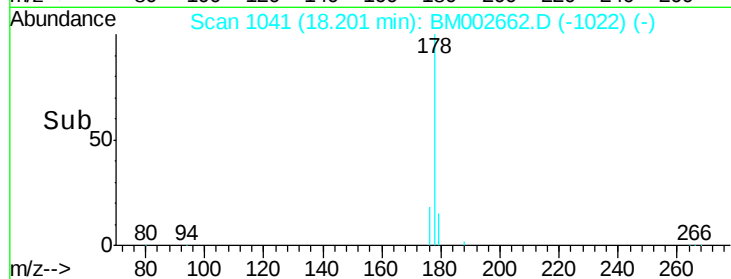
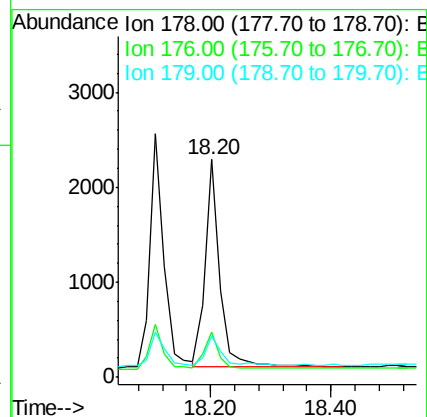
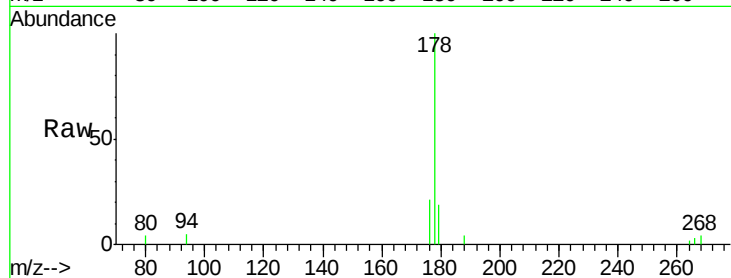




#15
 Anthracene
 Concen: 0.06 ng/ul
 RT: 18.20 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BM002662.D
 Acq: 03 Sep 2015 23:46

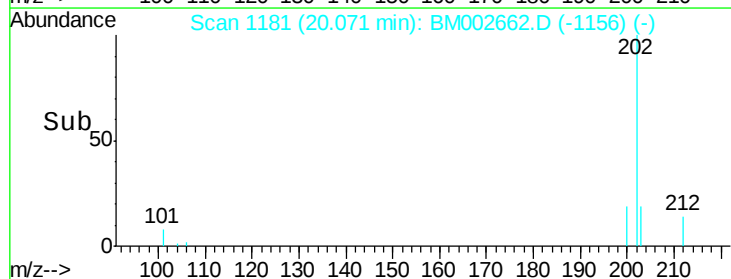
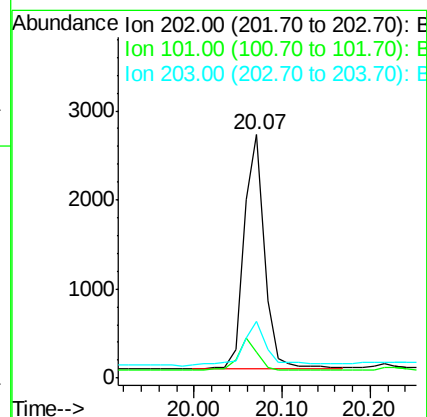
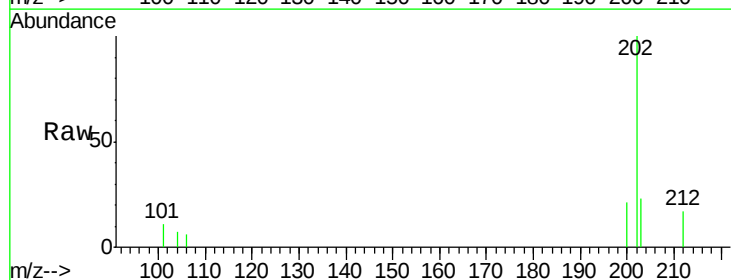
Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

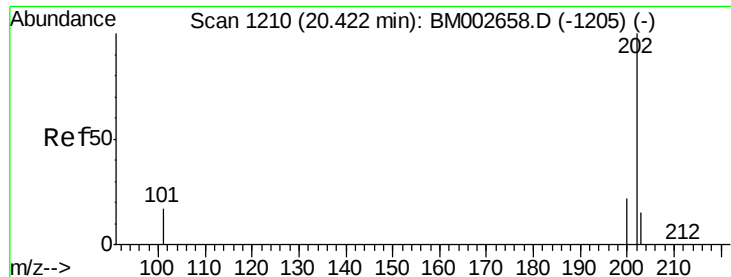
Tgt Ion:178 Resp: 3743
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 19.2 13.3 19.9



#17
 Fluoranthene
 Concen: 0.07 ng/ul
 RT: 20.07 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BM002662.D
 Acq: 03 Sep 2015 23:46

Tgt Ion:202 Resp: 4258
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 33.1
 203 23.2 0.0 37.2





#19

Pyrene

Concen: 0.07 ng/ul

RT: 20.42 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

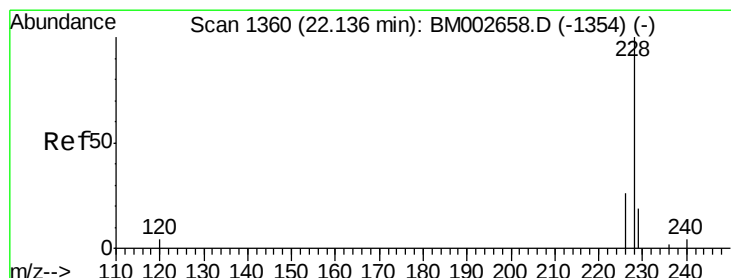
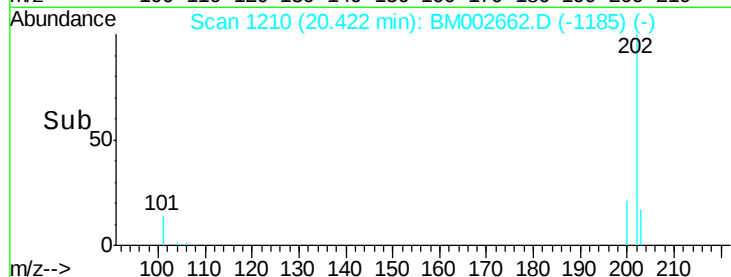
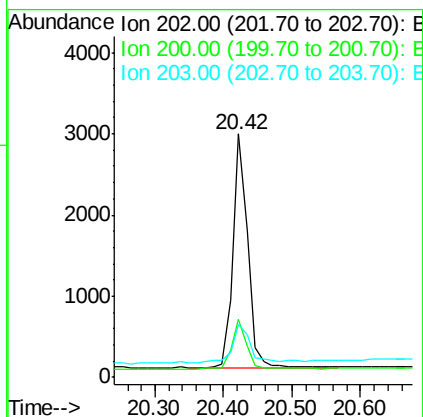
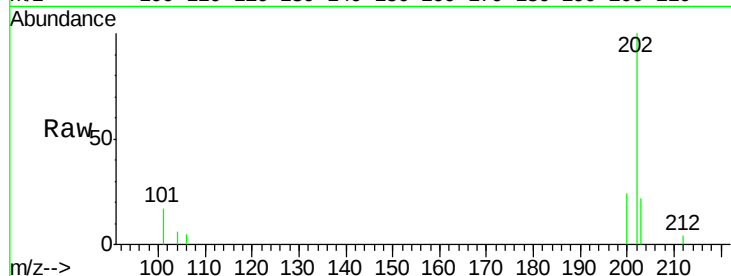
Tgt Ion:202 Resp: 4295

Ion Ratio Lower Upper

202 100

200 23.7 18.0 27.0

203 22.0 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

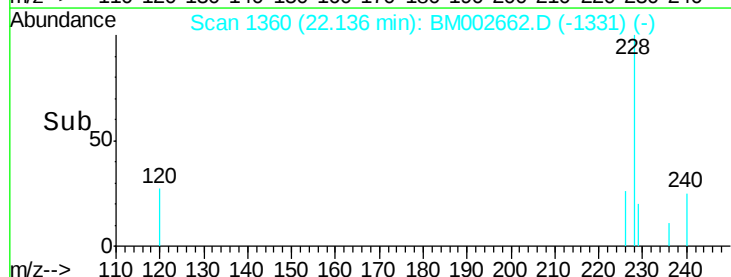
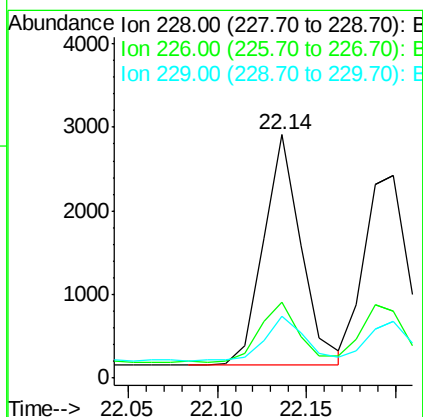
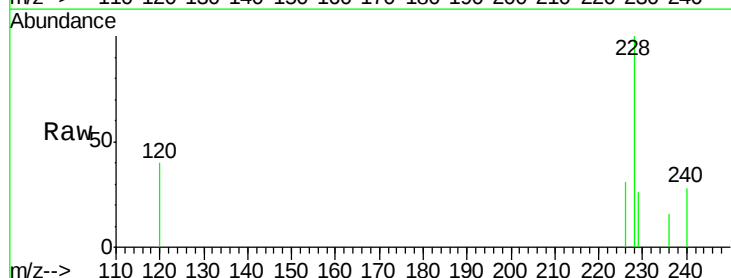
Tgt Ion:228 Resp: 4009

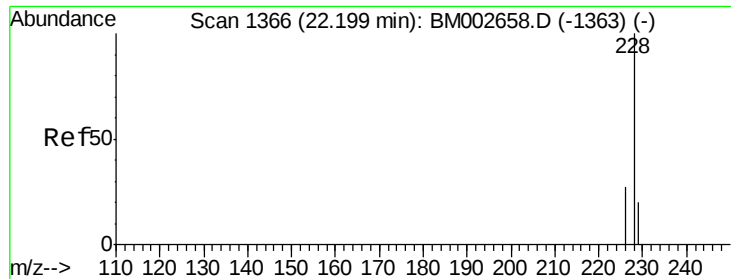
Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

229 25.7 15.2 22.8#





#21

Chrysene

Concen: 0.07 ng/ul

RT: 22.20 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

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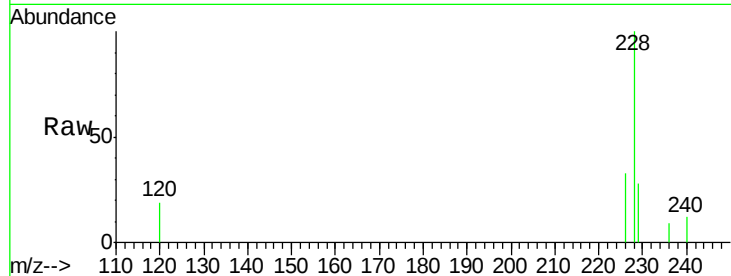
Tgt Ion:228 Resp: 3888

Ion Ratio Lower Upper

228 100

226 33.2 25.7 38.5

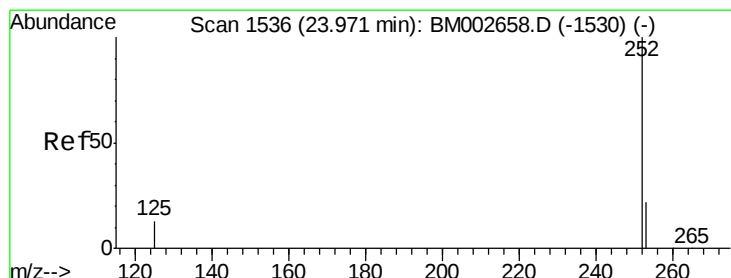
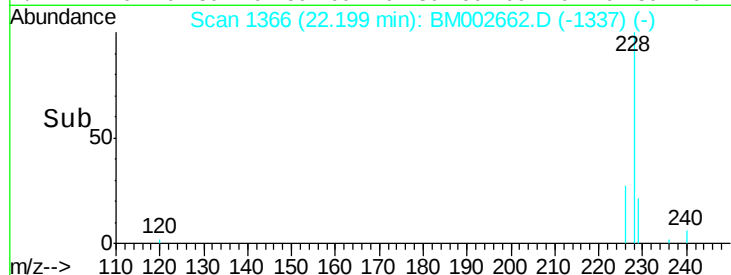
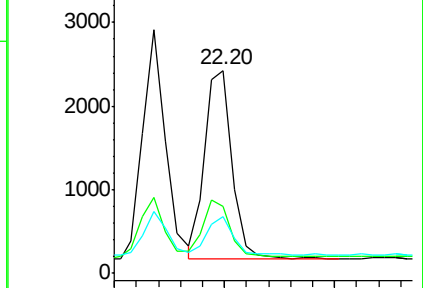
229 28.1 15.2 22.8#



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



#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

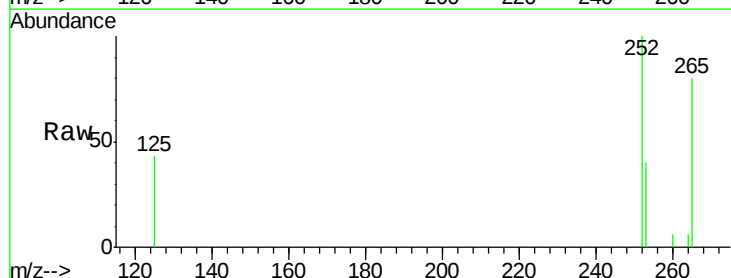
Tgt Ion:252 Resp: 4398

Ion Ratio Lower Upper

252 100

253 40.1 0.0 48.0

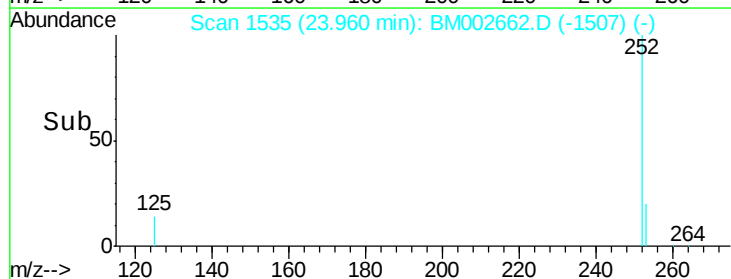
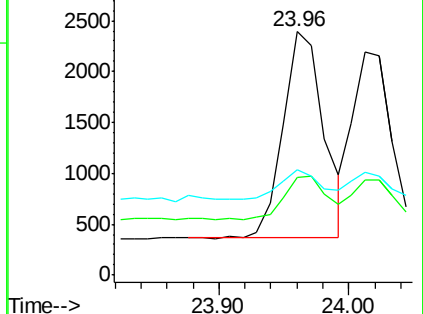
125 43.4 0.0 36.6#

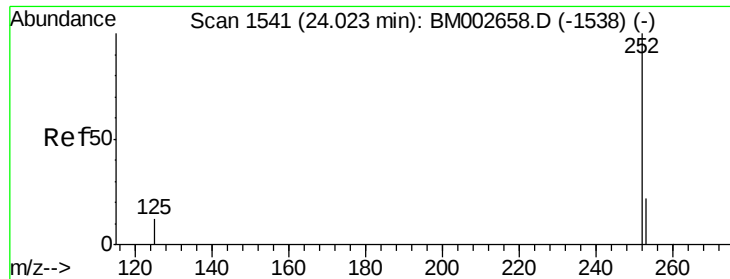


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/u1

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

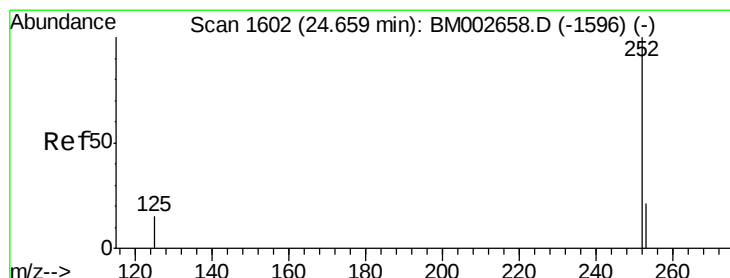
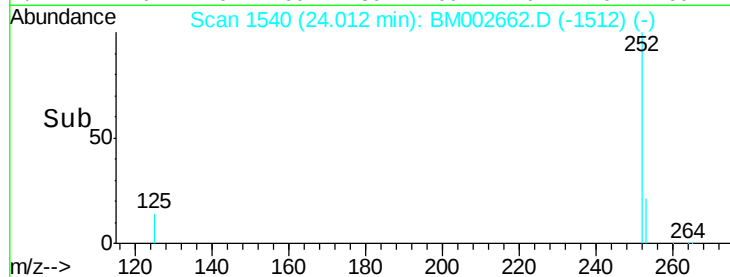
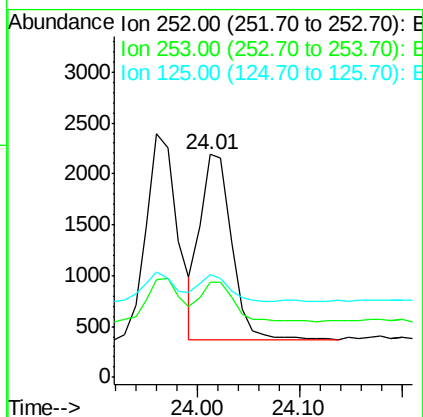
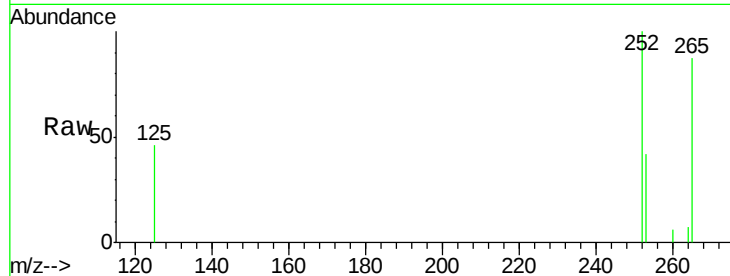
Tgt Ion:252 Resp: 3882

Ion Ratio Lower Upper

252 100

253 42.5 20.8 31.2#

125 46.0 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.07 ng/u1

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

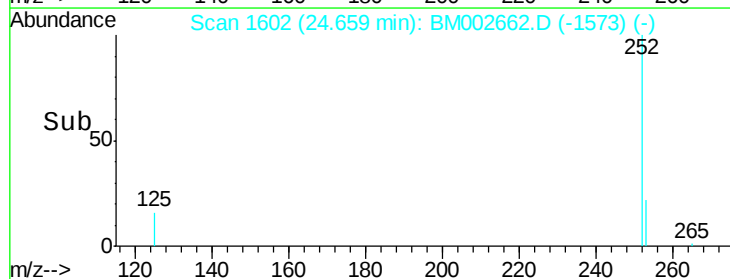
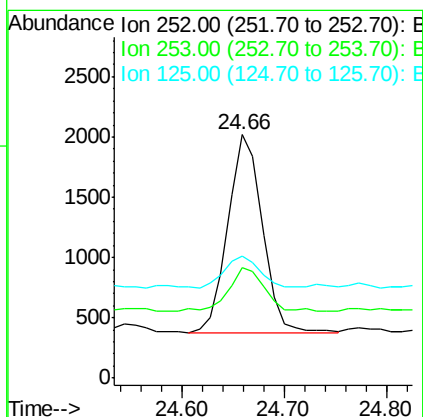
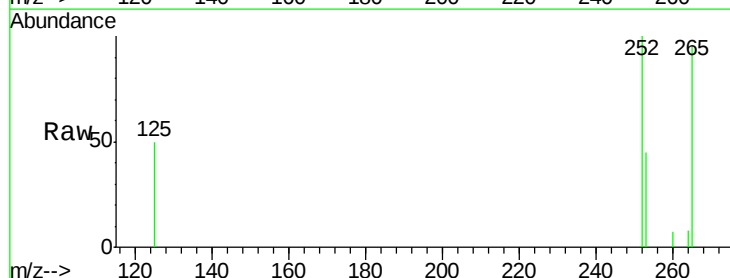
Tgt Ion:252 Resp: 3852

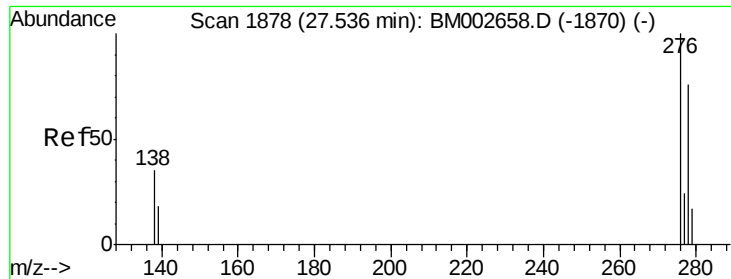
Ion Ratio Lower Upper

252 100

253 45.3 21.8 32.8#

125 49.9 14.5 21.7#

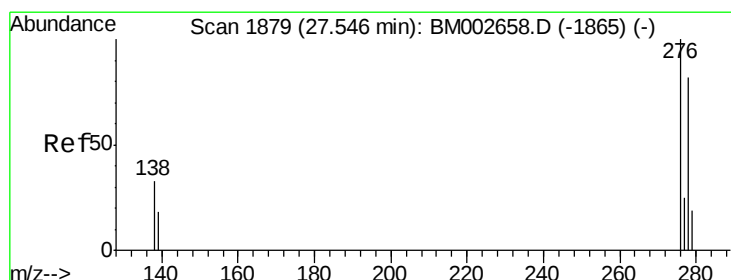
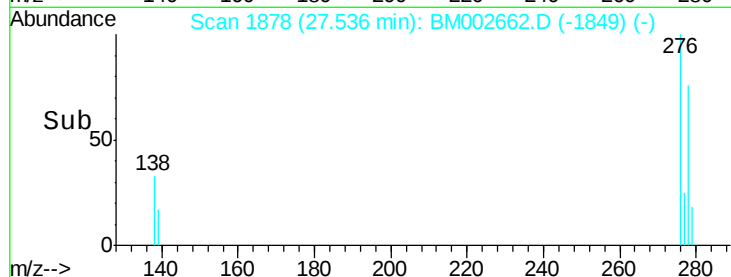
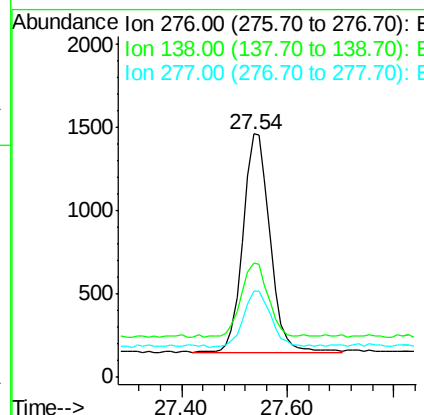
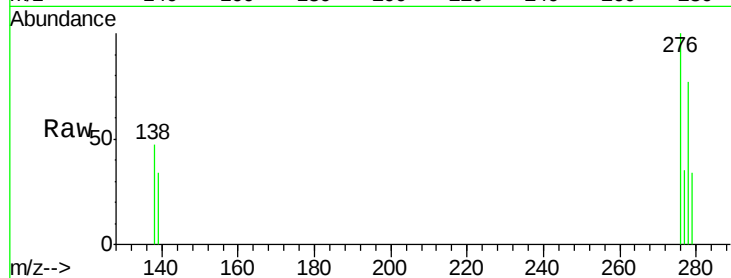




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng/ul
 RT: 27.54 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: BM002662.D
 Acq: 03 Sep 2015 23:46

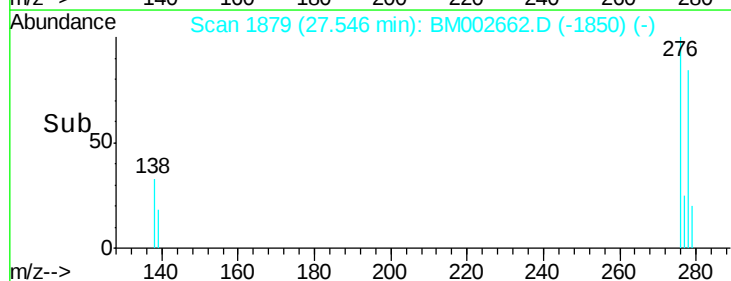
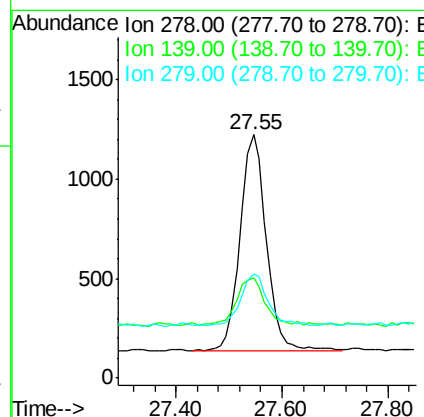
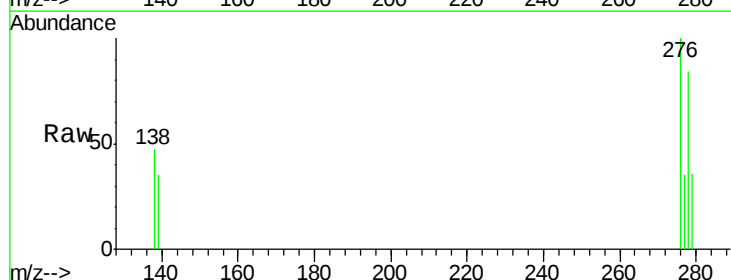
Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

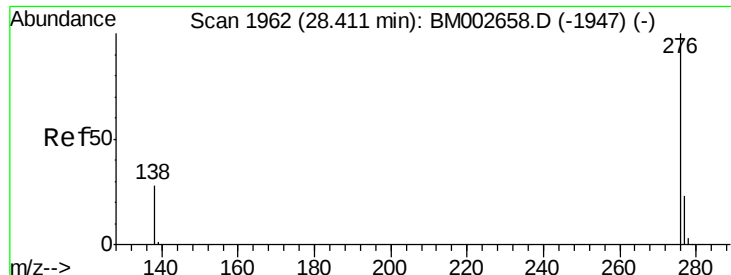
Tgt Ion:276 Resp: 4619
 Ion Ratio Lower Upper
 276 100
 138 33.9 27.5 41.3
 277 26.3 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.07 ng/ul
 RT: 27.55 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: BM002662.D
 Acq: 03 Sep 2015 23:46

Tgt Ion:278 Resp: 3682
 Ion Ratio Lower Upper
 278 100
 139 41.3 21.7 32.5#
 279 42.9 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.07 ng/ul

RT: 28.40 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BM002662.D

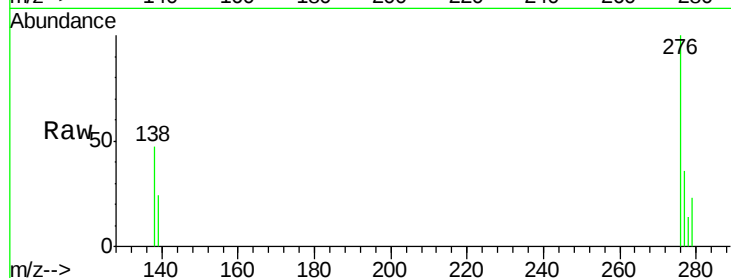
Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S



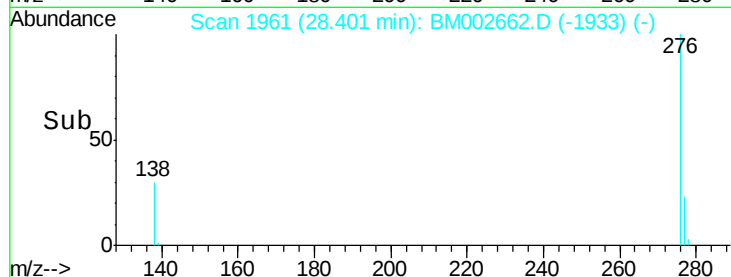
Tgt Ion: 276 Resp: 3960

Ion Ratio Lower Upper

276 100

277 35.9 21.3 31.9#

138 46.9 25.5 38.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

