

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002664.D
 Acq On : 04 Sep 2015 00:59
 Operator : UM/IZ
 Sample : MDL-05-S
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Sep 04 04:38:26 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	7418	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	28345	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11327	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	19924	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	18222	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	18122	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.87	96	37	0.00	ng/uL	0.05
6) 2-Methylnaphthalene-d10	13.17	152	17081	0.45	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	22809	0.50	ng/ul	-0.01

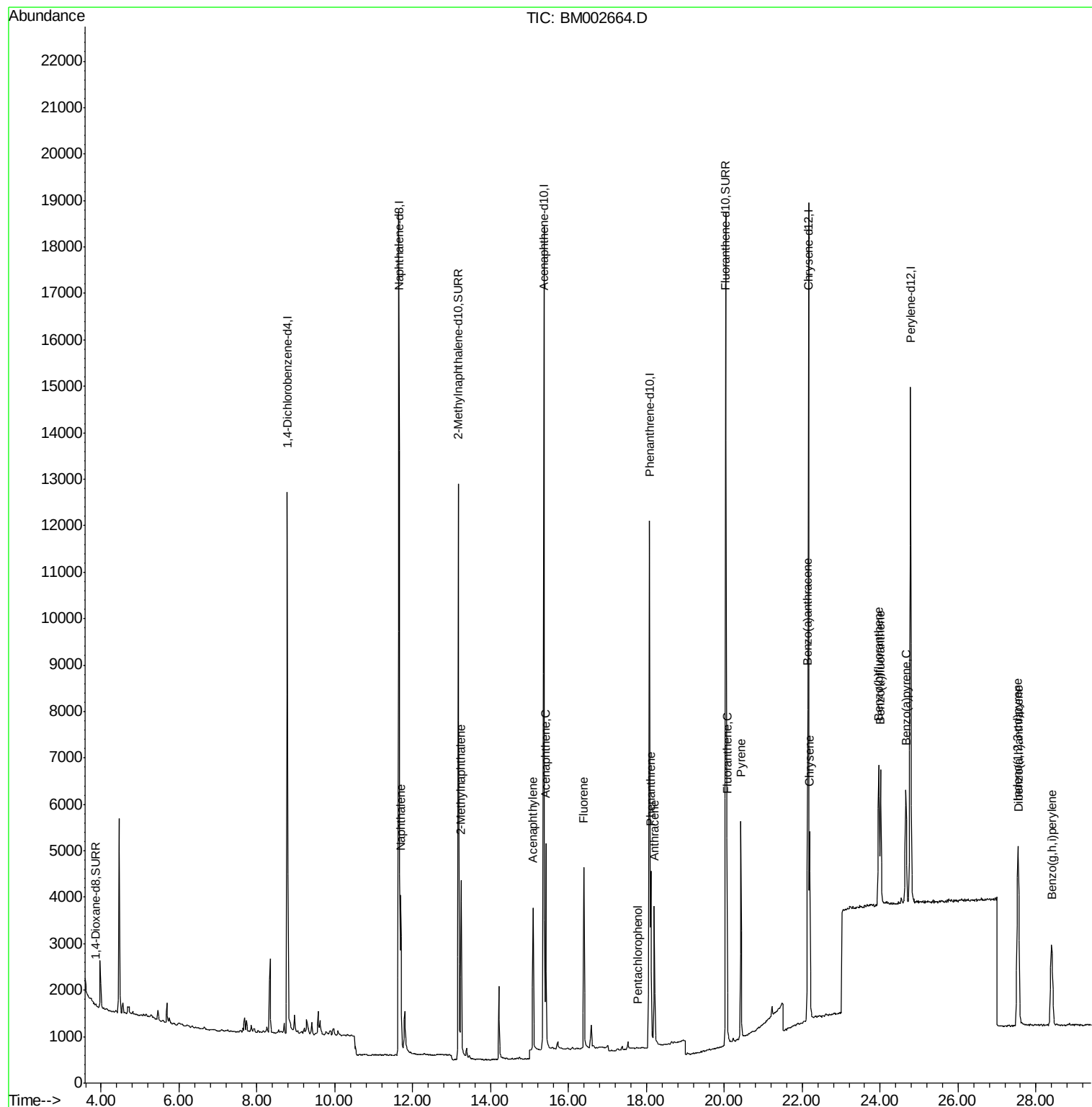
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.69	128	4770	0.06	ng/ul	95
7) 2-Methylnaphthalene	13.24	142	3364	0.07	ng/ul	88
9) Acenaphthylene	15.09	152	3940	0.07	ng/ul	98
10) Acenaphthene	15.42	153	2752	0.07	ng/ul	97
11) Fluorene	16.39	166	2870	0.06	ng/ul	91
13) Pentachlorophenol	17.77	266	33	0.02	ng/ul#	83
14) Phenanthrene	18.11	178	4117	0.07	ng/ul	95
15) Anthracene	18.20	178	3868	0.07	ng/ul	95
17) Fluoranthene	20.07	202	4403	0.07	ng/ul	88
19) Pyrene	20.42	202	4610	0.07	ng/ul#	95
20) Benzo(a)anthracene	22.14	228	4321	0.07	ng/ul#	92
21) Chrysene	22.19	228	4071	0.07	ng/ul#	91
23) Benzo(b)fluoranthene	23.96	252	4974	0.08	ng/ul#	63
24) Benzo(k)fluoranthene	24.01	252	4036	0.07	ng/ul#	60
25) Benzo(a)pyrene	24.66	252	4171	0.07	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	27.54	276	4979	0.07	ng/ul	98
27) Dibenzo(a,h)anthracene	27.55	278	4003	0.07	ng/ul#	76
28) Benzo(a,h,i)perylene	28.40	276	4216	0.07	ng/ul#	80

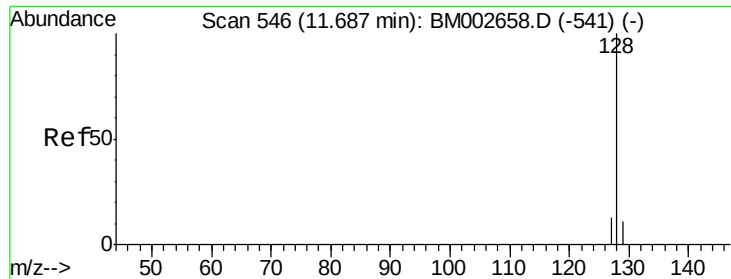
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002664.D

Acq: 04 Sep 2015 00:59

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

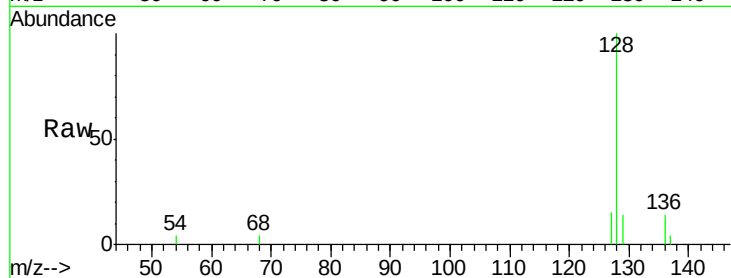
Tot Ion:128 Resp: 4770

Ion Ratio Lower Upper

128 100

129 13.9 9.8 14.8

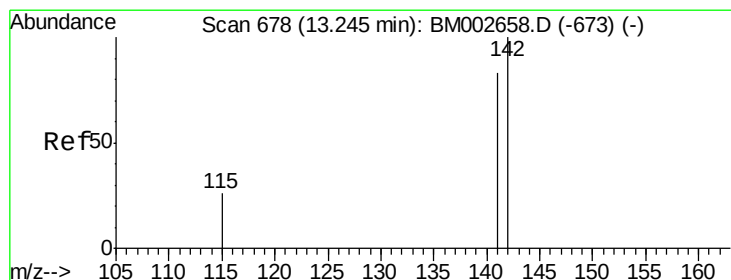
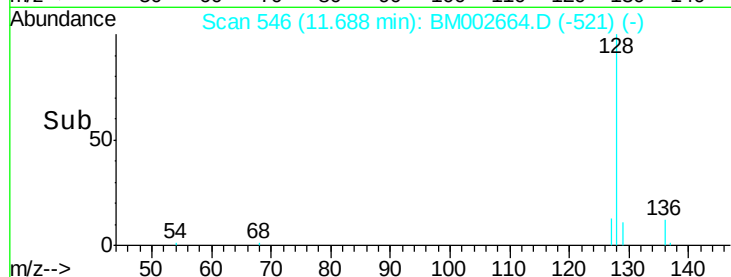
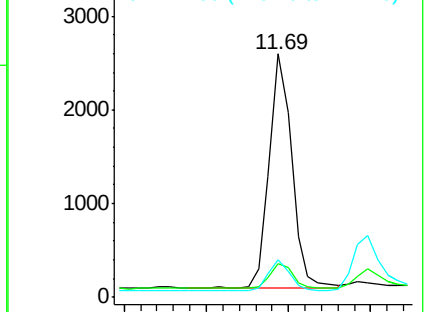
127 15.4 10.7 16.1



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: 13.24 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM002664.D

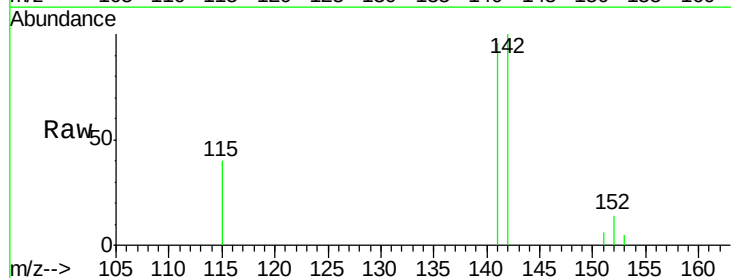
Acq: 04 Sep 2015 00:59

Tgt Ion:142 Resp: 3364

Ion Ratio Lower Upper

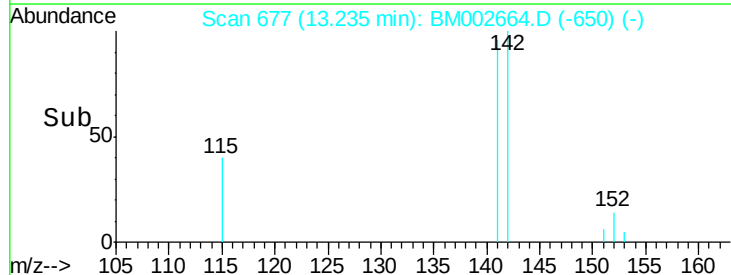
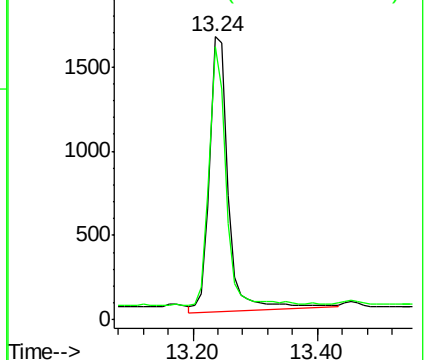
142 100

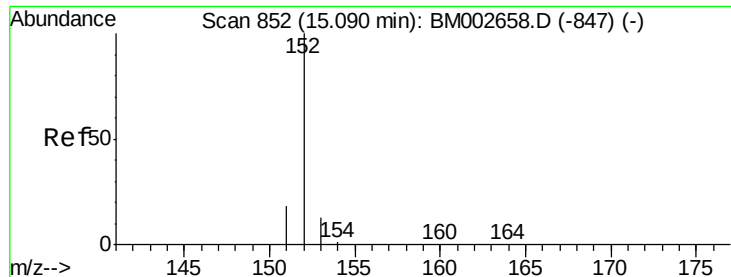
141 99.2 70.3 105.5



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: BM002664.D

Acq: 04 Sep 2015 00:59

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

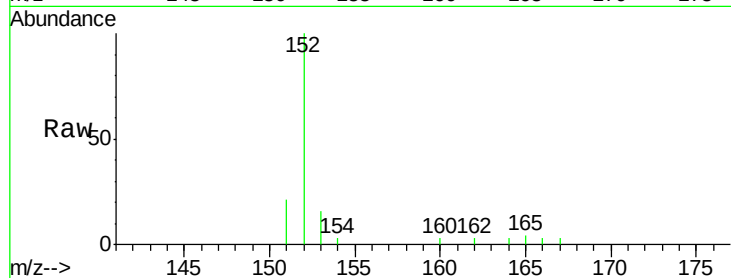
Tot Ion:152 Resp: 3940

Ion Ratio Lower Upper

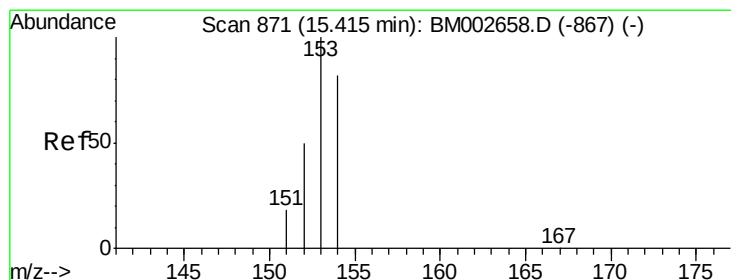
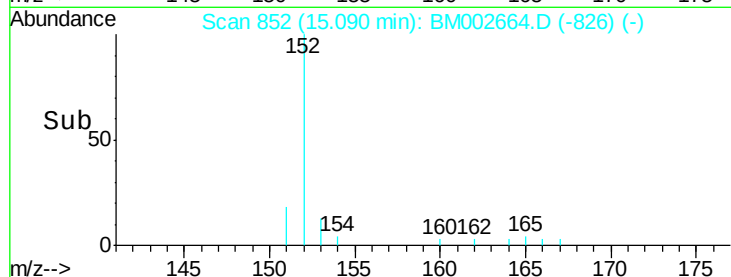
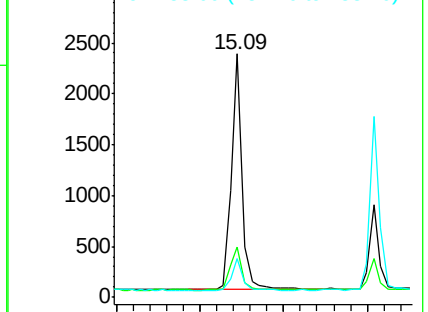
152 100

151 20.7 16.8 25.2

153 15.8 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 0.07 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

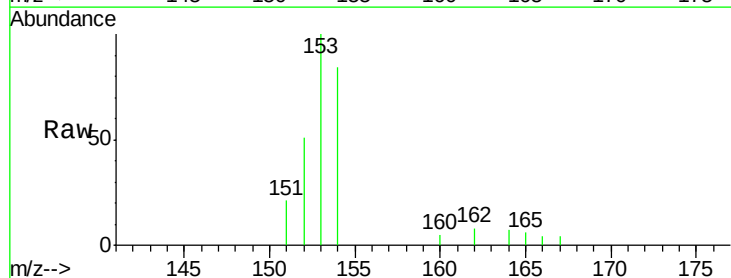
Tgt Ion:153 Resp: 2752

Ion Ratio Lower Upper

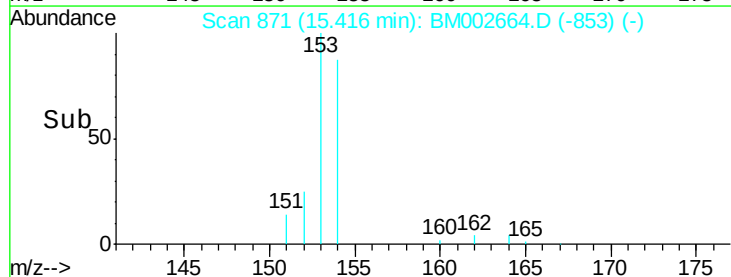
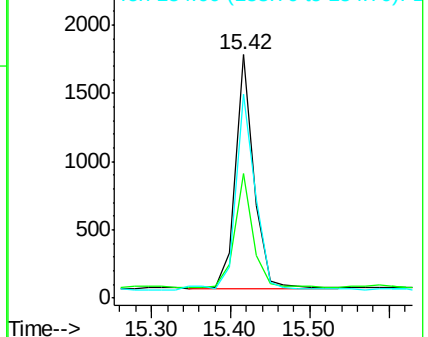
153 100

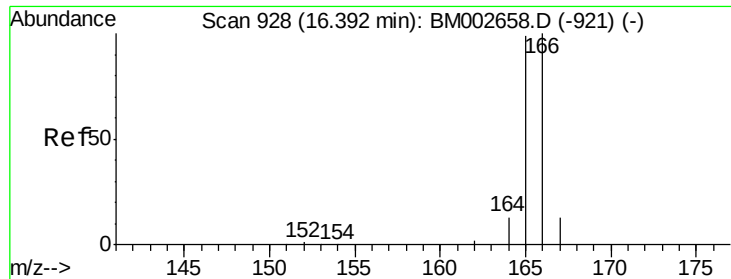
152 51.1 42.3 63.5

154 83.7 64.7 97.1



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

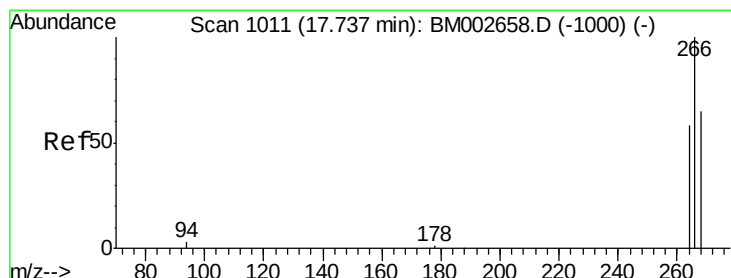
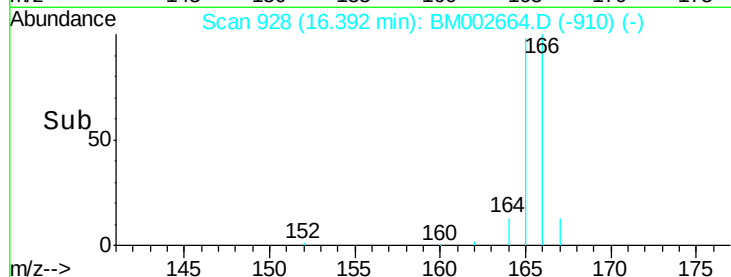
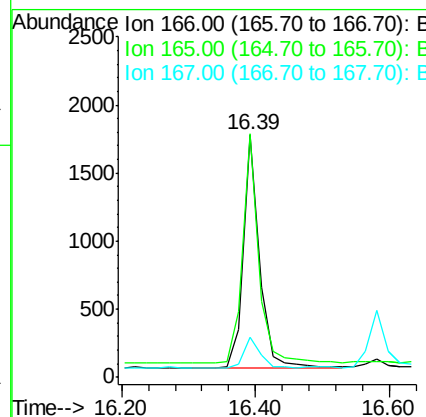
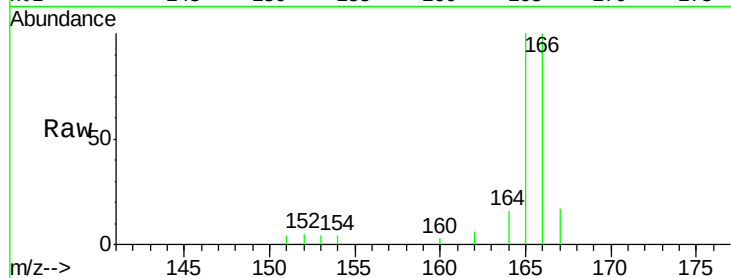




#11
 Fluorene
 Concen: 0.06 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM002664.D
 Acq: 04 Sep 2015 00:59

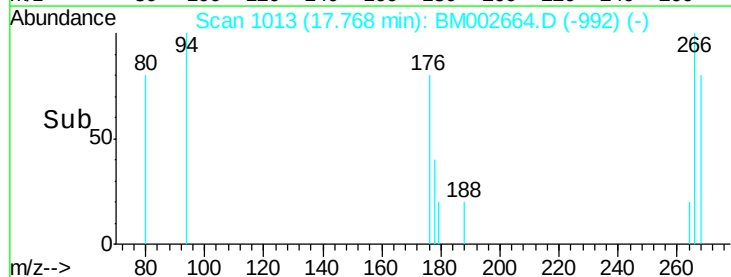
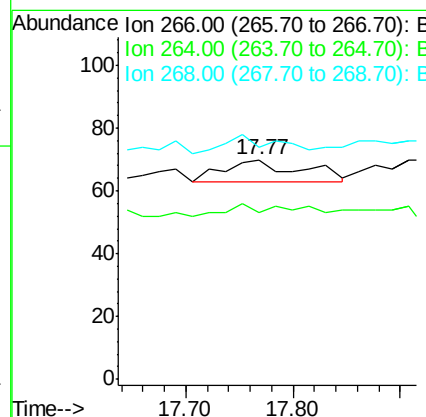
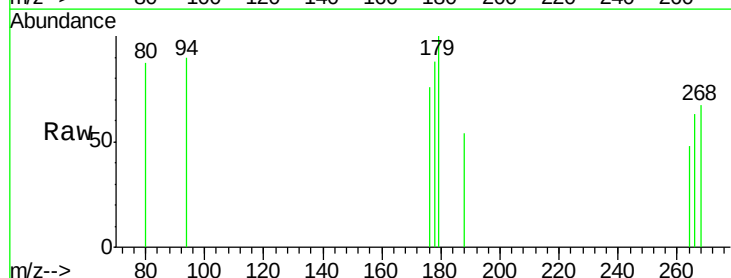
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

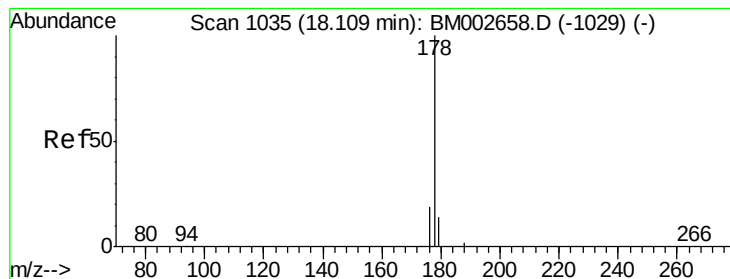
Tot Ion:166 Resp: 2870
 Ion Ratio Lower Upper
 166 100
 165 100.2 87.6 131.4
 167 16.6 11.1 16.7



#13
 Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 17.77 min Scan# 1013
 Delta R.T. 0.03 min
 Lab File: BM002664.D
 Acq: 04 Sep 2015 00:59

Tgt Ion:266 Resp: 33
 Ion Ratio Lower Upper
 266 100
 264 84.8 53.5 80.3#
 268 57.6 54.2 81.2





#14

Phenanthrene

Concen: 0.07 ng/ul

RT: 18.11 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

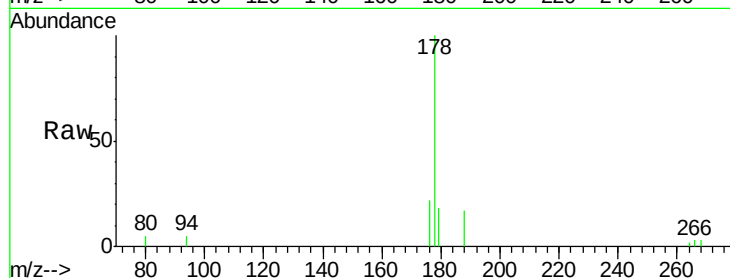
Tot Ion:178 Resp: 4117

Ion Ratio Lower Upper

178 100

176 22.0 16.2 24.4

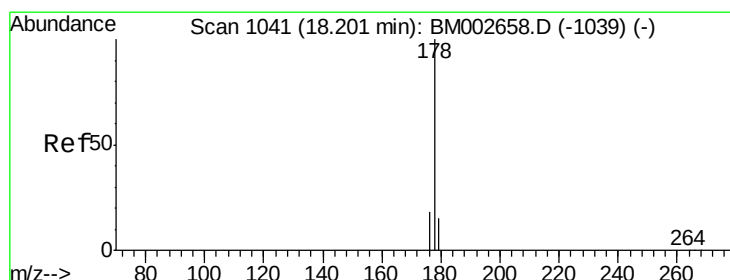
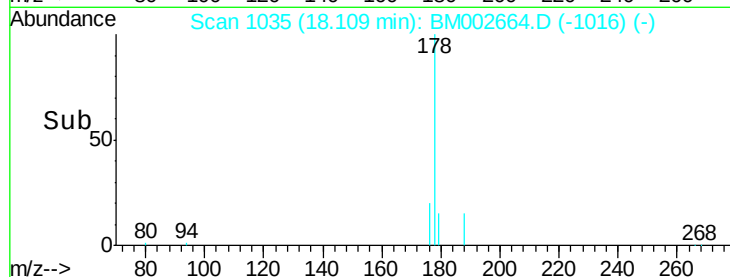
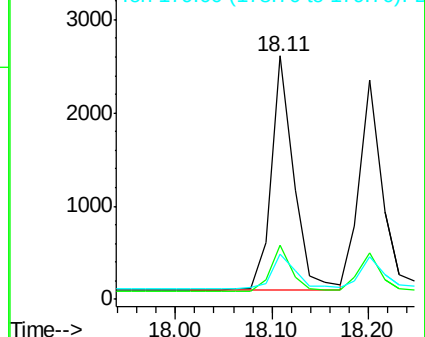
179 18.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.07 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

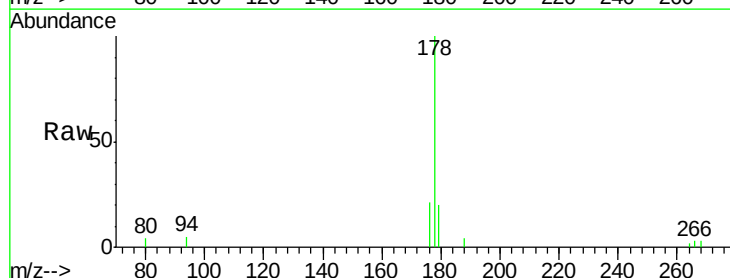
Tgt Ion:178 Resp: 3868

Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.8

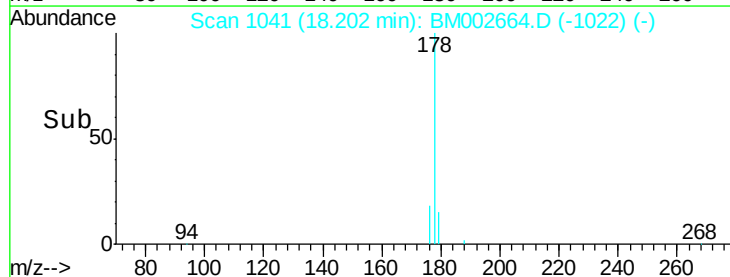
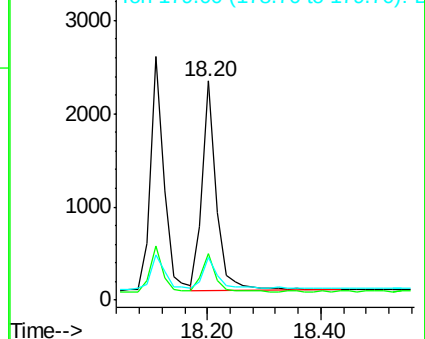
179 19.5 13.3 19.9

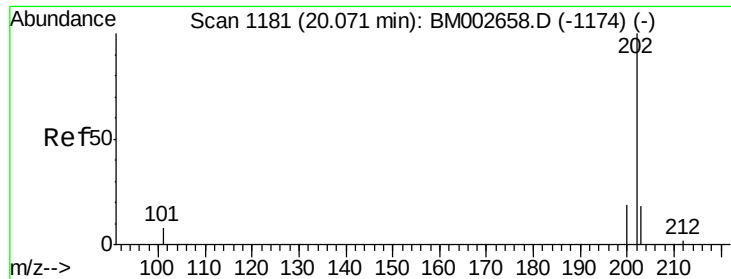


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

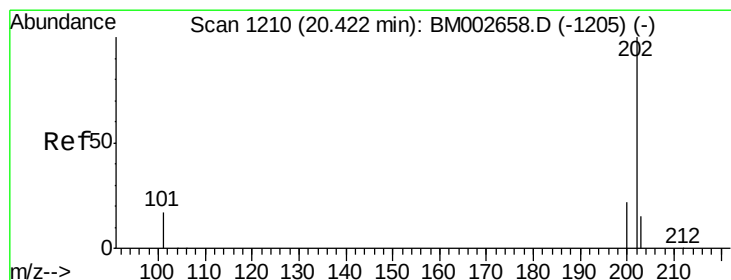
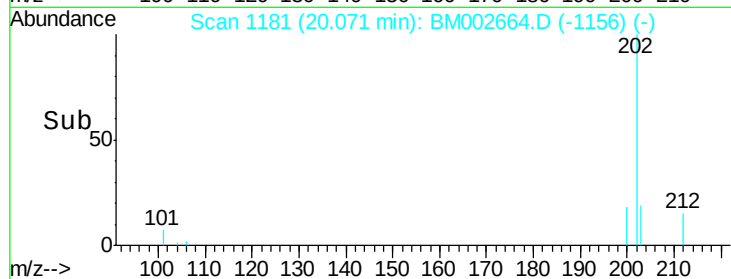
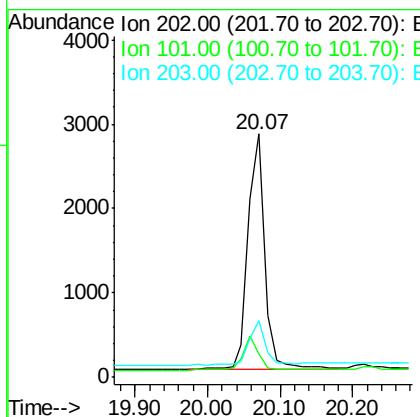
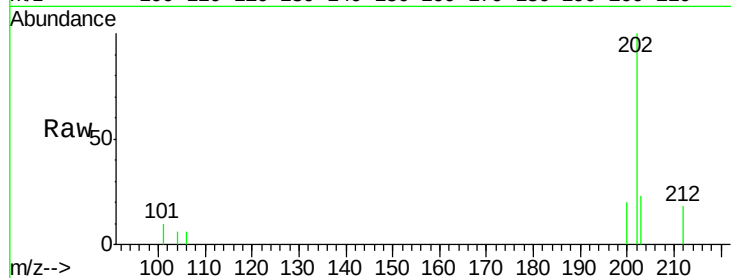




#17
Fluoranthene
Concen: 0.07 ng/ul
RT: 20.07 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM002664.D
Acq: 04 Sep 2015 00:59

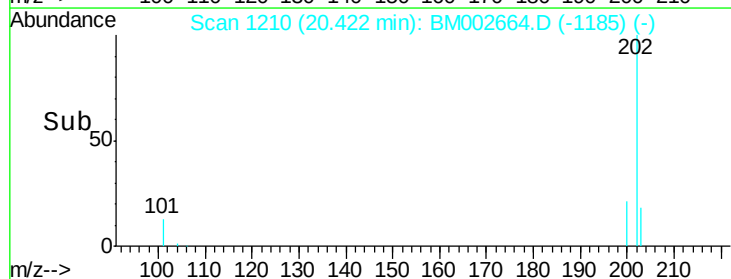
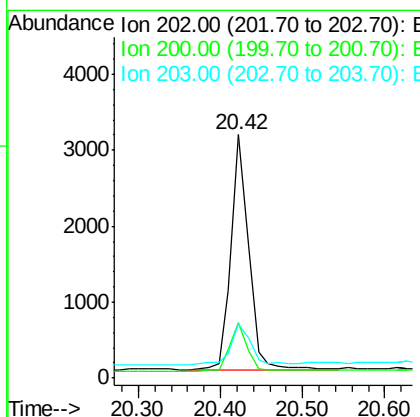
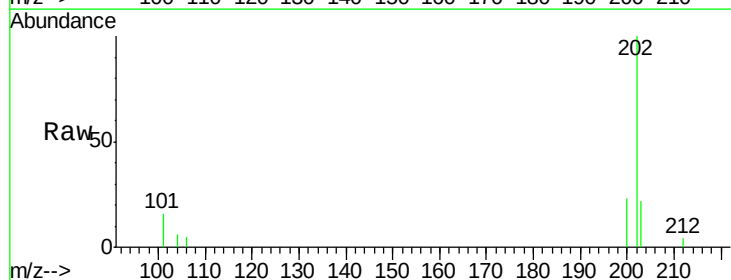
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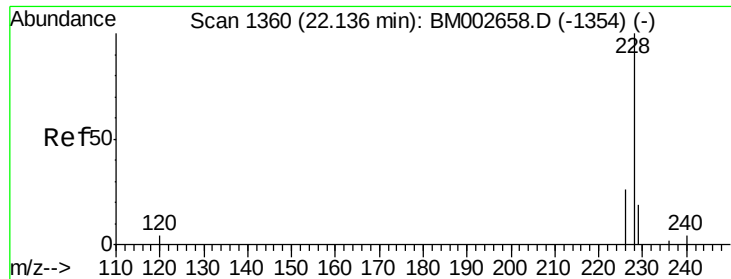
Tot Ion:202 Resp: 4403
Ion Ratio Lower Upper
202 100
101 9.8 0.0 33.1
203 23.3 0.0 37.2



#19
Pyrene
Concen: 0.07 ng/ul
RT: 20.42 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM002664.D
Acq: 04 Sep 2015 00:59

Tgt Ion:202 Resp: 4610
Ion Ratio Lower Upper
202 100
200 23.0 18.0 27.0
203 22.2 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: BM002664.D

Acq: 04 Sep 2015 00:59

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

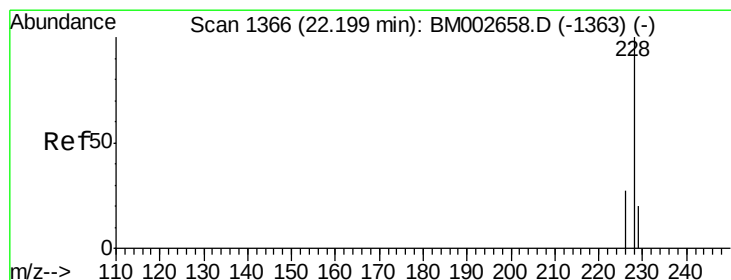
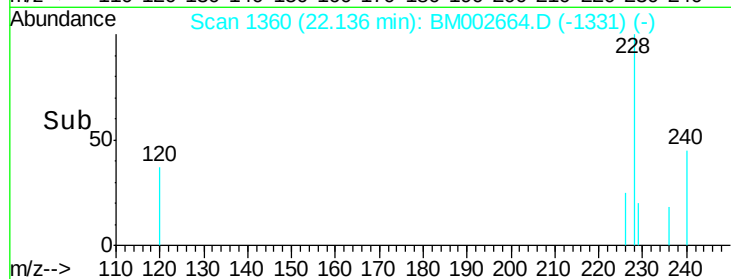
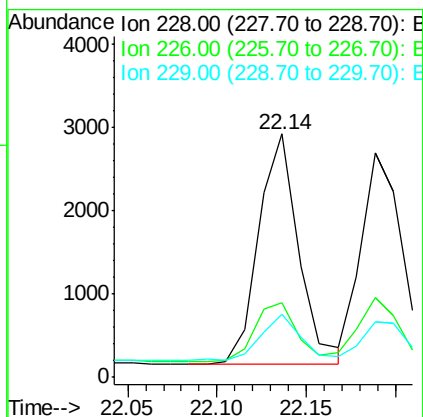
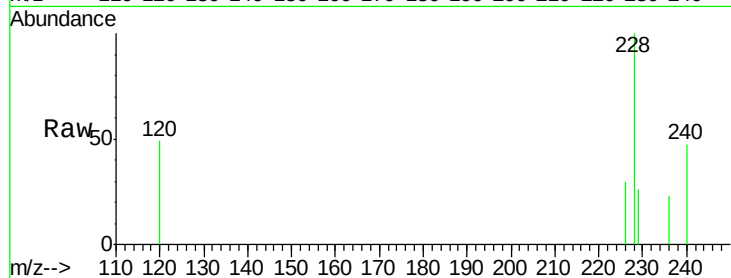
Tot Ion:228 Resp: 4321

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.4

229 25.9 15.2 22.8#



#21

Chrysene

Concen: 0.07 ng/ul

RT: 22.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

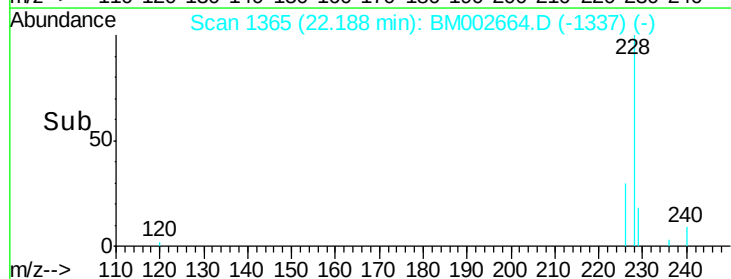
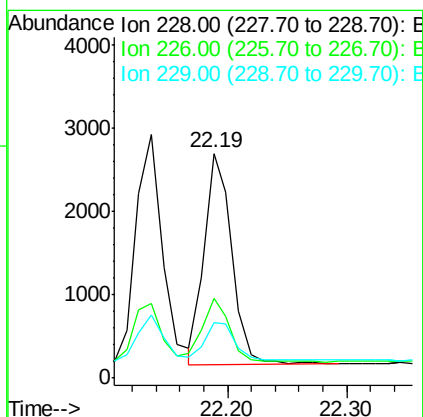
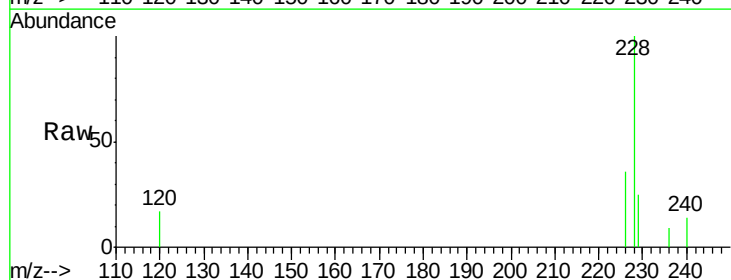
Tgt Ion:228 Resp: 4071

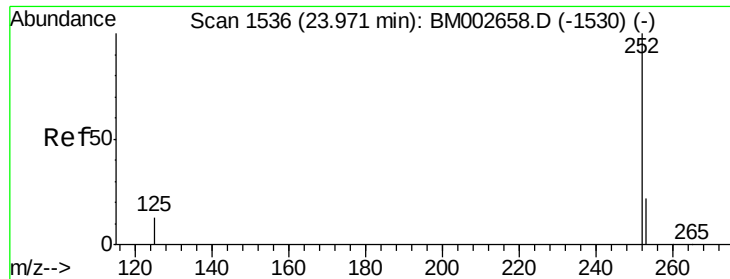
Ion Ratio Lower Upper

228 100

226 35.7 25.7 38.5

229 24.9 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.08 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

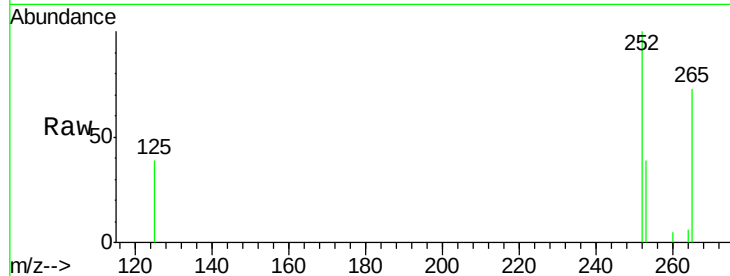
Tot Ion:252 Resp: 4974

Ion Ratio Lower Upper

252 100

253 38.5 0.0 48.0

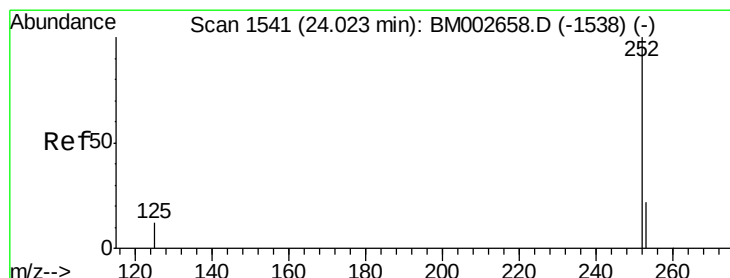
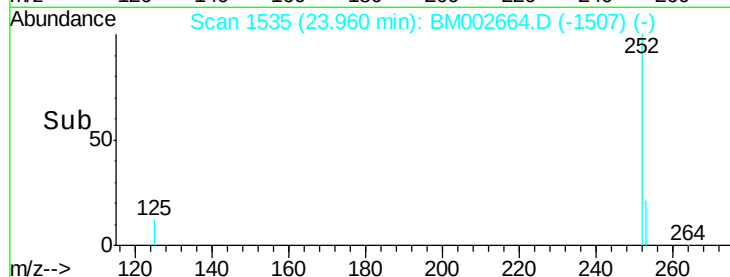
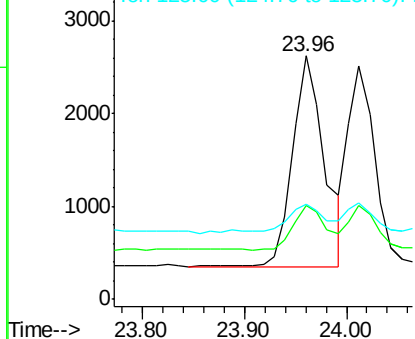
125 39.2 0.0 36.6#



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/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

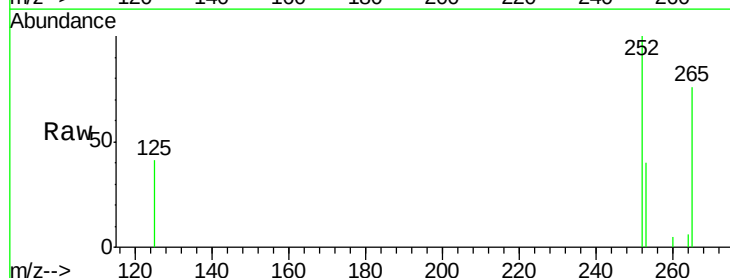
Tgt Ion:252 Resp: 4036

Ion Ratio Lower Upper

252 100

253 39.8 20.8 31.2#

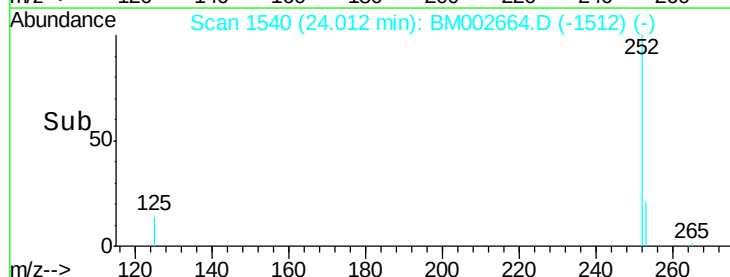
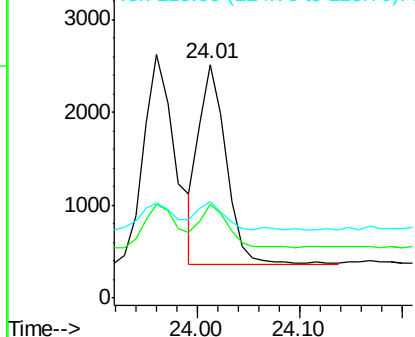
125 41.3 12.2 18.4#

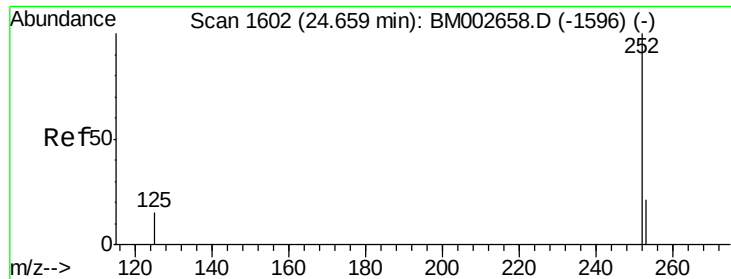


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002664.D

Acq: 04 Sep 2015 00:59

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

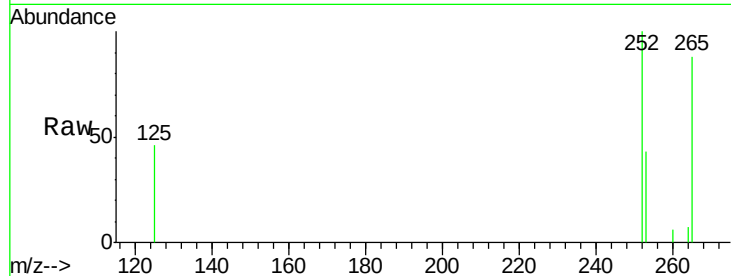
Tot Ion:252 Resp: 4171

Ion Ratio Lower Upper

252 100

253 42.6 21.8 32.8#

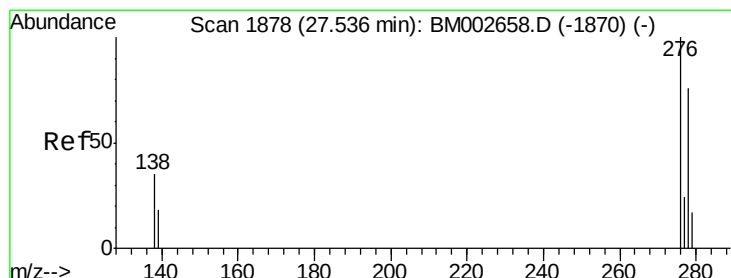
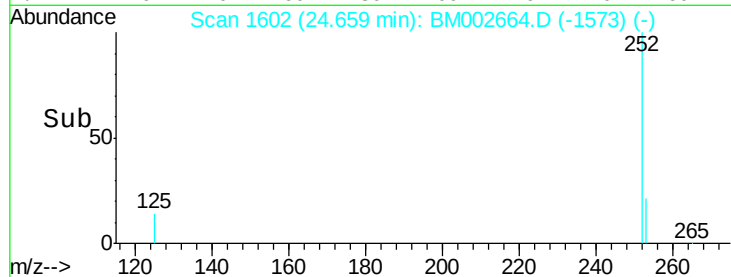
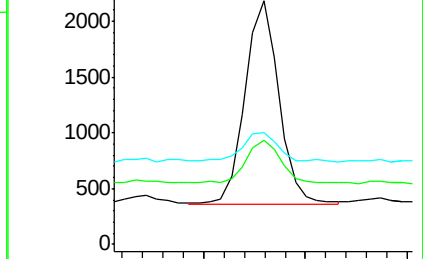
125 46.0 14.5 21.7#



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



#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: BM002664.D

Acq: 04 Sep 2015 00:59

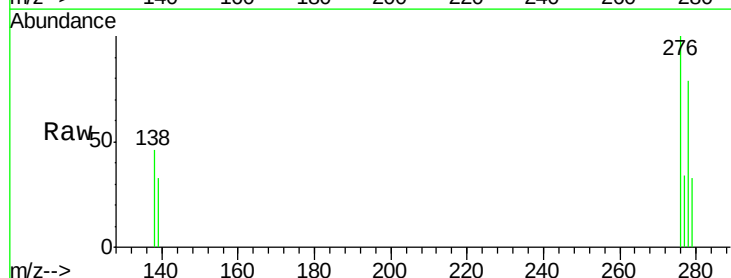
Tgt Ion:276 Resp: 4979

Ion Ratio Lower Upper

276 100

138 33.2 27.5 41.3

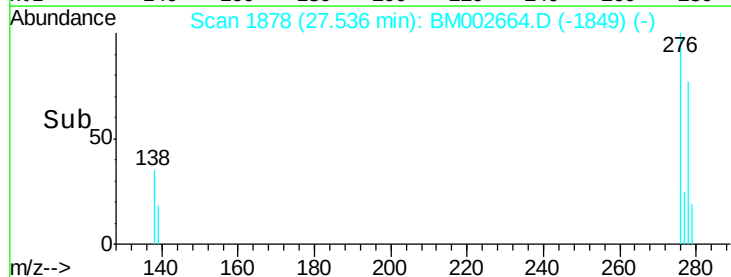
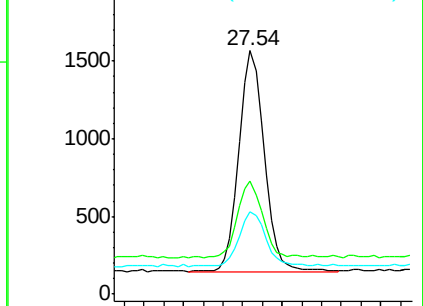
277 25.2 19.3 28.9

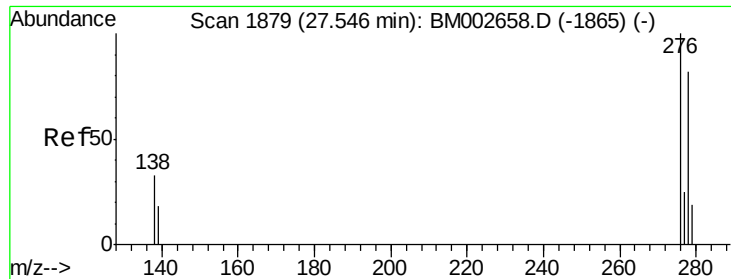


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

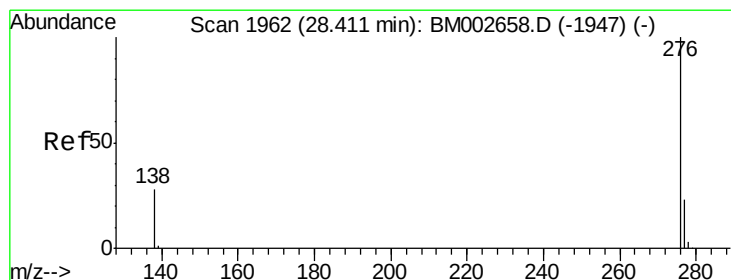
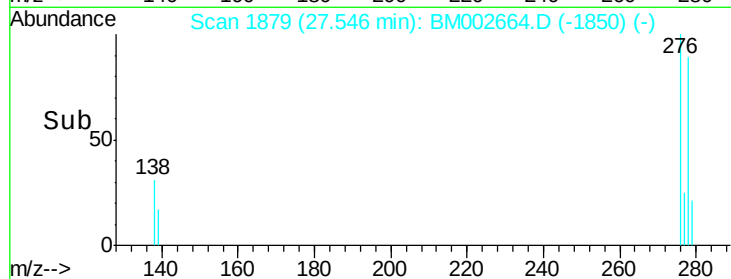
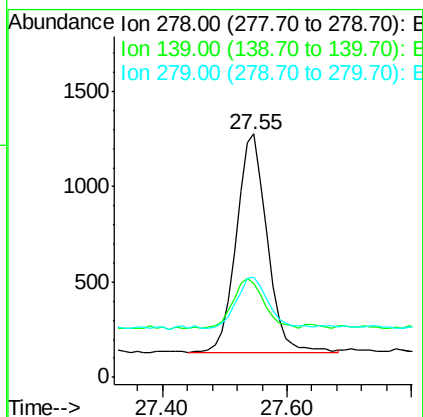
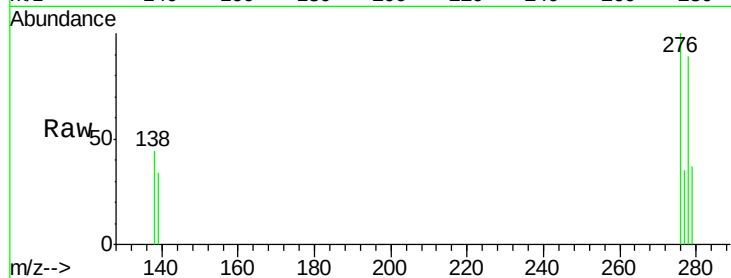




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 27.55 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM002664.D
Acq: 04 Sep 2015 00:59

Instrument :
BNA_M
ClientSampleId :
MDL-05-S

Tot Ion:278 Resp: 4003
Ion Ratio Lower Upper
278 100
139 38.4 21.7 32.5#
279 41.3 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: BM002664.D
Acq: 04 Sep 2015 00:59

Tgt Ion:276 Resp: 4216
Ion Ratio Lower Upper
276 100
277 35.7 21.3 31.9#
138 43.9 25.5 38.3#

