

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000140.D
 Acq On : 07 Jan 2015 22:57
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SOIL-0.07PPM-SIM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Jan 08 04:04:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 02:20:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2905	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9425	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5493	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10117	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	8779	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7945	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	4540	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7950	0.37	ng/ul	0.00

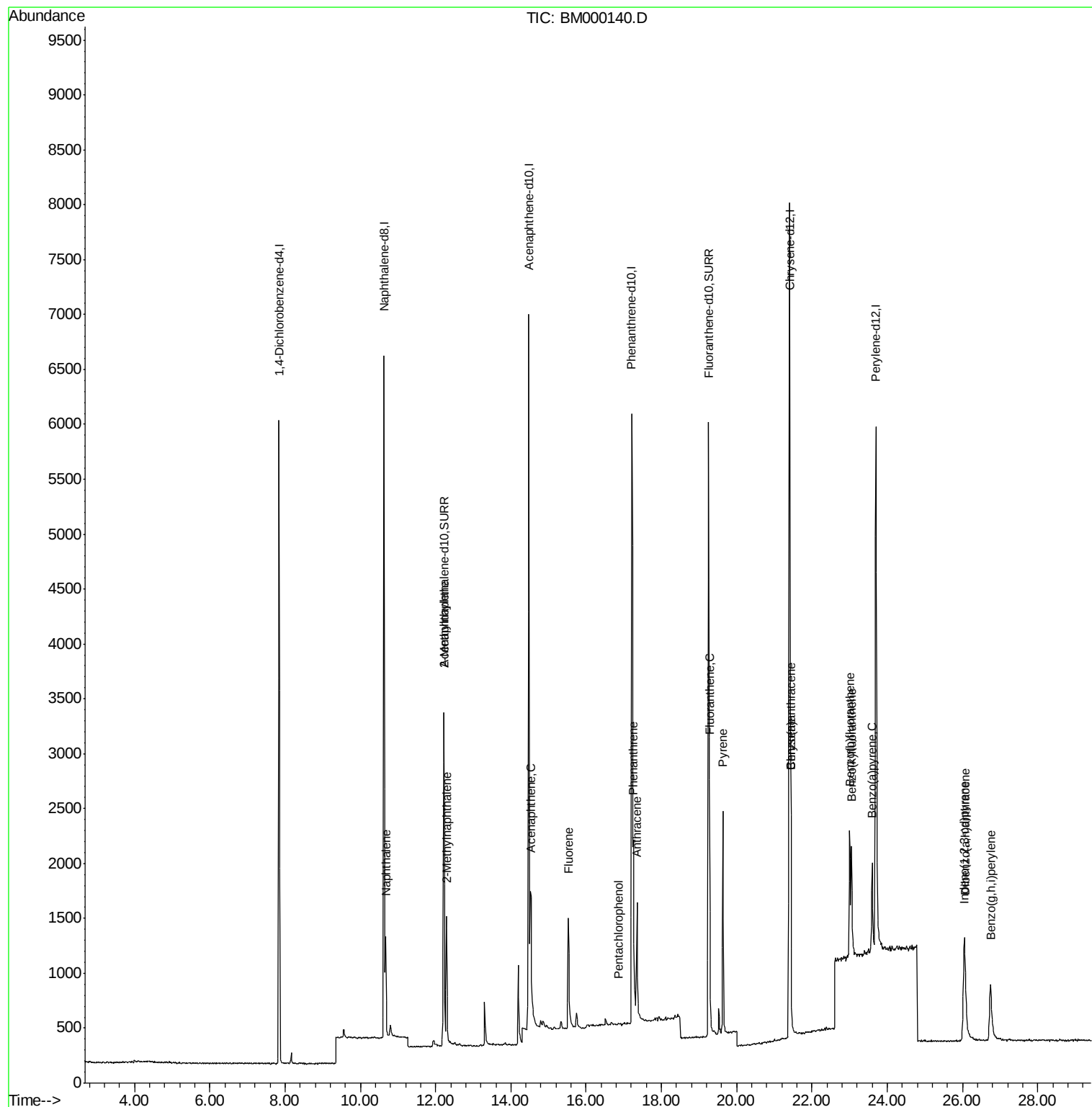
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	1396	0.06	ng/ul#	86
5) 2-Methylnaphthalene	12.30	142	871	0.05	ng/ul	95
7) Acenaphthylene	12.22	152	4540	0.37	ng/ul	99
8) Acenaphthene	14.54	153	902	0.05	ng/ul	96
9) Fluorene	15.52	166	1047	0.05	ng/ul#	91
11) Pentachlorophenol	16.85	266	6	0.00	ng/ul#	11
12) Phenanthrene	17.26	178	1727	0.06	ng/ul#	89
13) Anthracene	17.35	178	1595	0.05	ng/ul#	87
15) Fluoranthene	19.27	202	2068	0.06	ng/ul	94
17) Pyrene	19.64	202	2087	0.06	ng/ul#	95
18) Benzo(a)anthracene	21.44	228	1858	0.06	ng/ul	92
19) Chrysene	21.44	228	1858	0.06	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	1672	0.05	ng/ul	68
22) Benzo(k)fluoranthene	23.05	252	1900	0.06	ng/ul#	66
23) Benzo(a)pyrene	23.60	252	1475	0.05	ng/ul#	58
24) Indeno(1,2,3-cd)pyrene	26.03	276	1862	0.06	ng/ul	96
25) Dibenzo(a,h)anthracene	26.06	278	1439	0.06	ng/ul#	64
26) Benzo(g,h,i)perylene	26.74	276	1671	0.06	ng/ul#	78

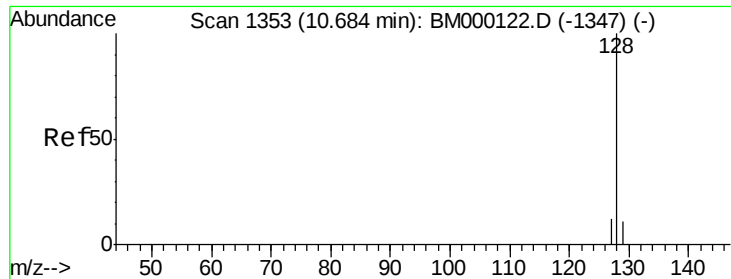
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

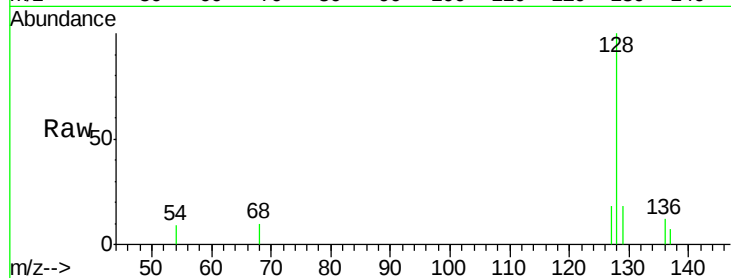
Tgt Ion:128 Resp: 1396

Ion Ratio Lower Upper

128 100

129 17.7 9.5 14.3#

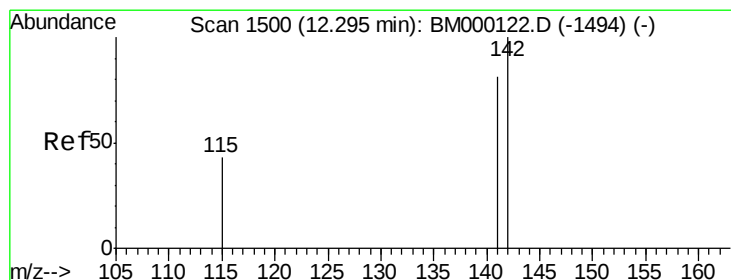
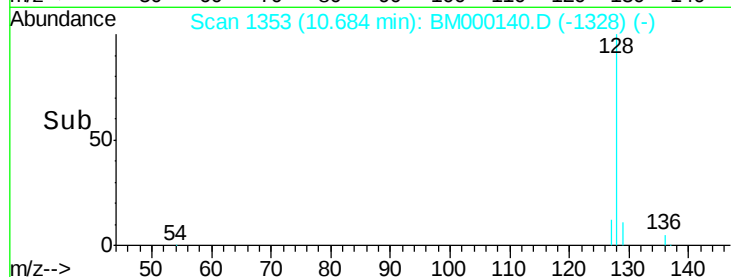
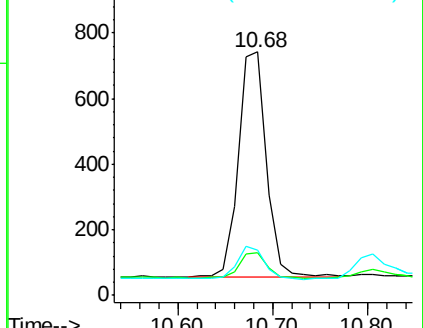
127 18.5 10.4 15.6#



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



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.30 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000140.D

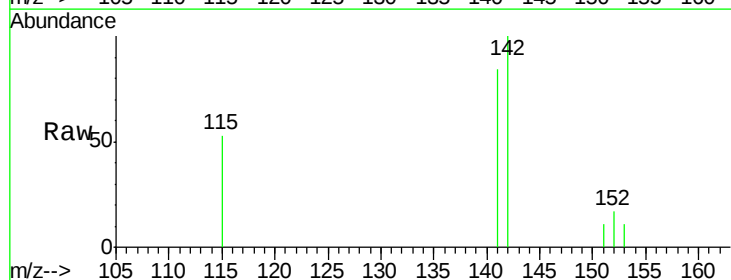
Acq: 07 Jan 2015 22:57

Tgt Ion:142 Resp: 871

Ion Ratio Lower Upper

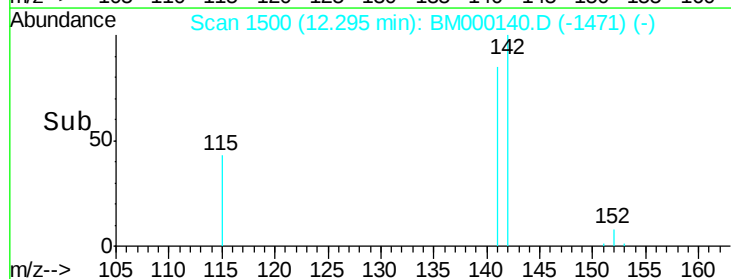
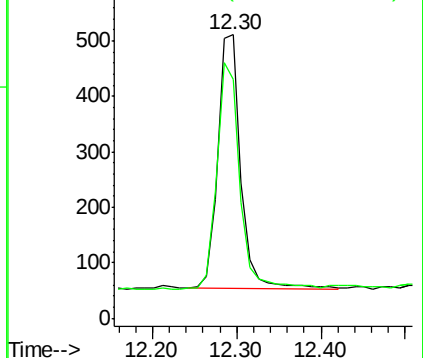
142 100

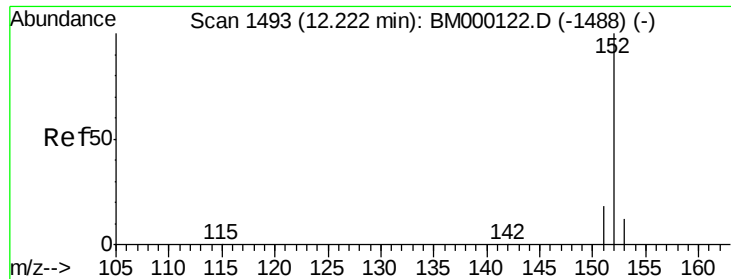
141 90.7 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.37 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

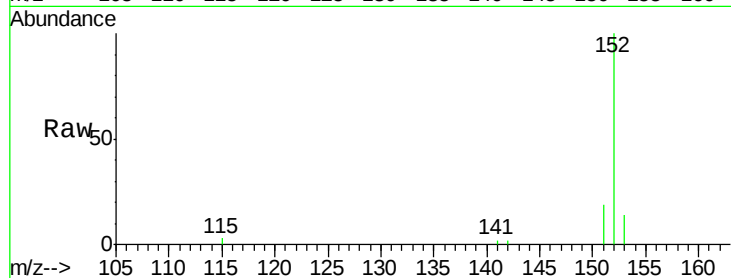
Tgt Ion:152 Resp: 4540

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.2

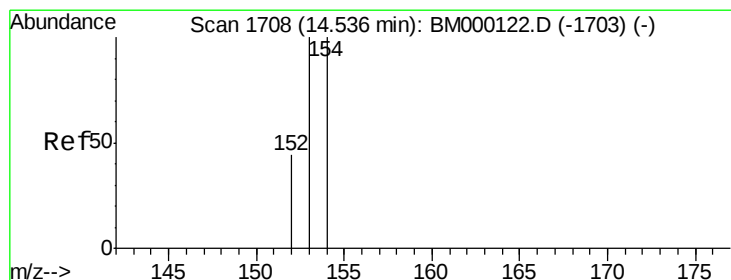
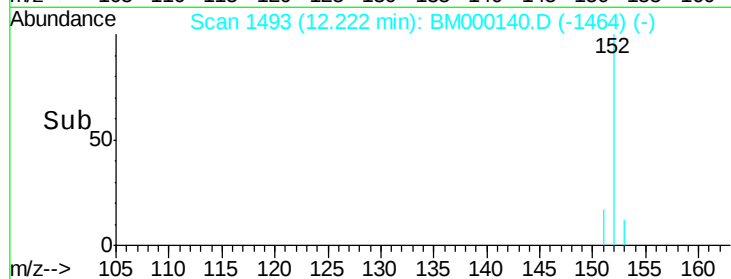
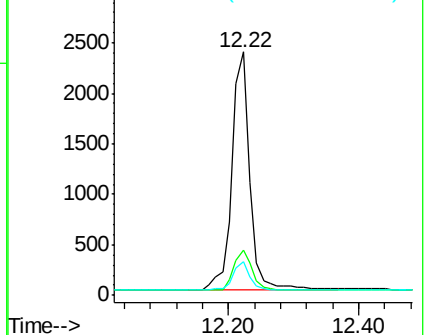
153 13.7 11.0 16.4



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

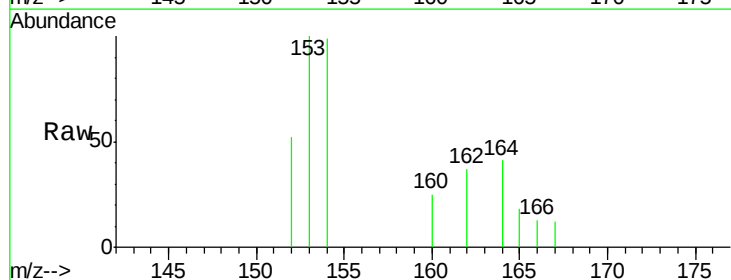
Tgt Ion:153 Resp: 902

Ion Ratio Lower Upper

153 100

152 52.0 35.8 53.6

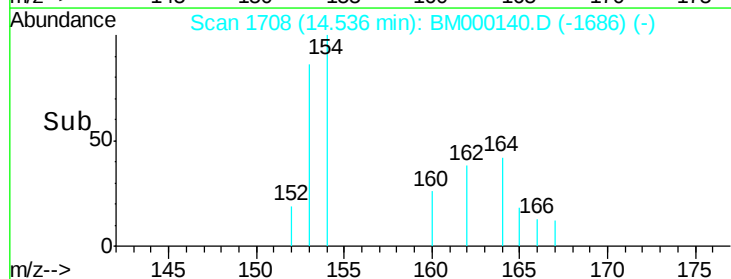
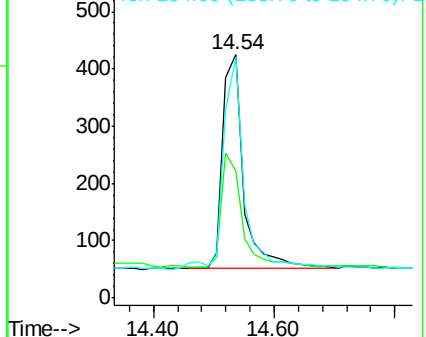
154 99.1 79.9 119.9

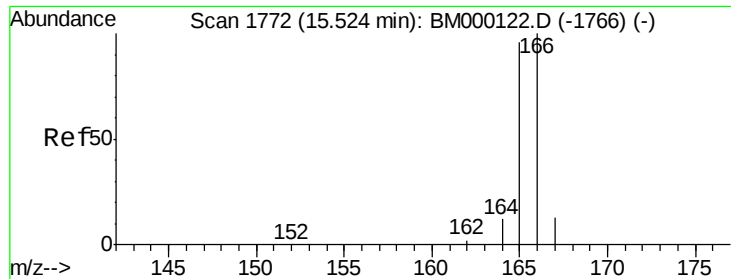


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

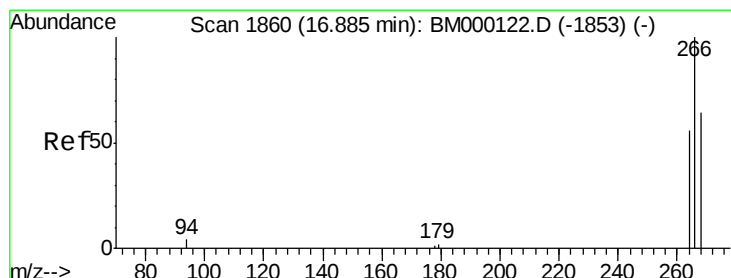
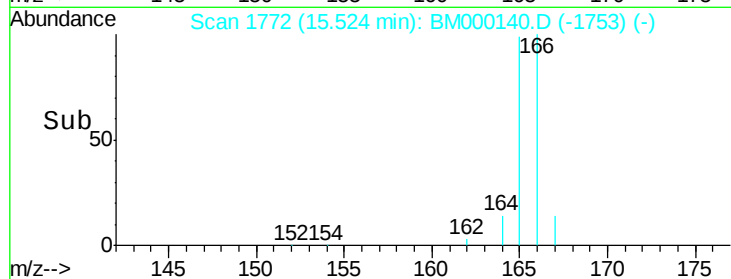
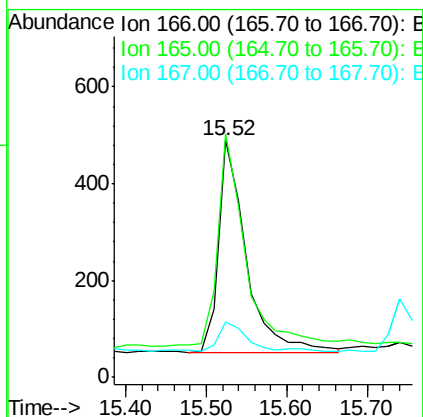
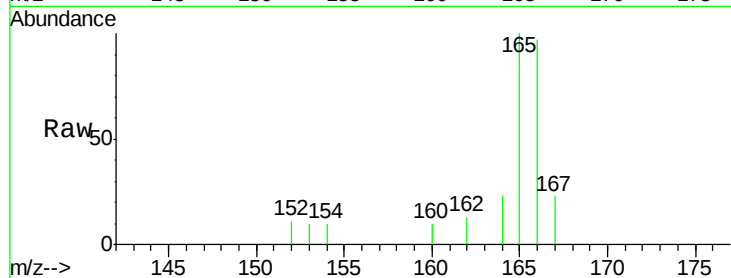




#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM000140.D
 Acq: 07 Jan 2015 22:57

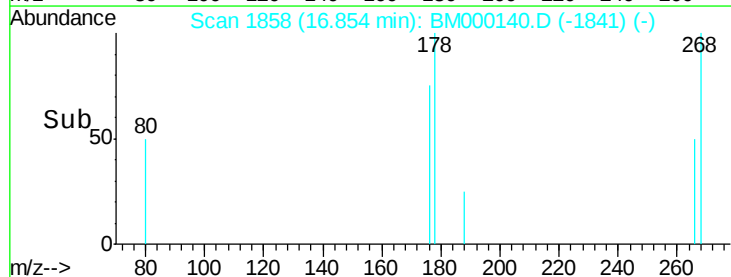
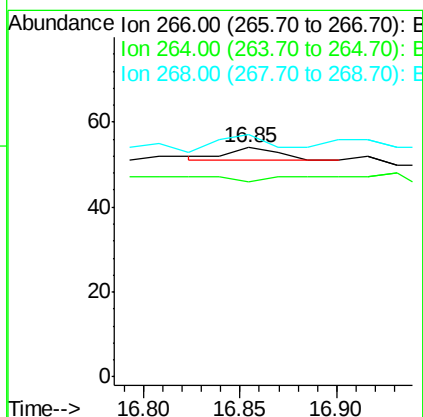
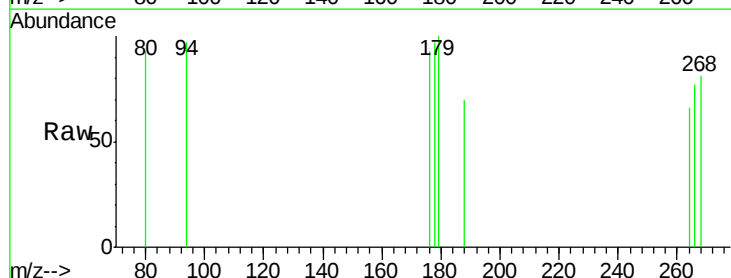
Instrument :
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 MDL-05-S

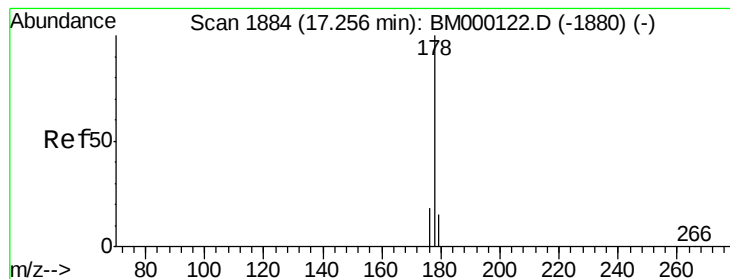
Tgt Ion:166 Resp: 1047
 Ion Ratio Lower Upper
 166 100
 165 102.9 77.0 115.4
 167 23.5 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1858
 Delta R.T. -0.03 min
 Lab File: BM000140.D
 Acq: 07 Jan 2015 22:57

Tgt Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.9 80.9#
 268 133.3 49.2 73.8#





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

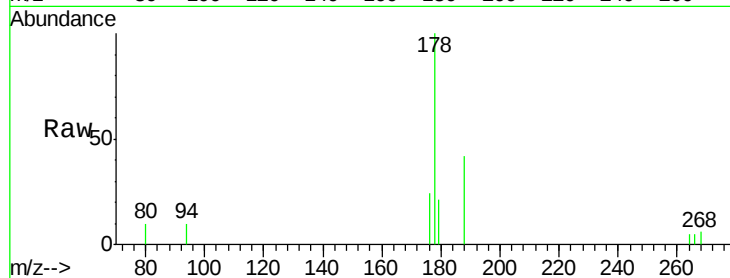
Tgt Ion:178 Resp: 1727

Ion Ratio Lower Upper

178 100

176 23.8 15.1 22.7#

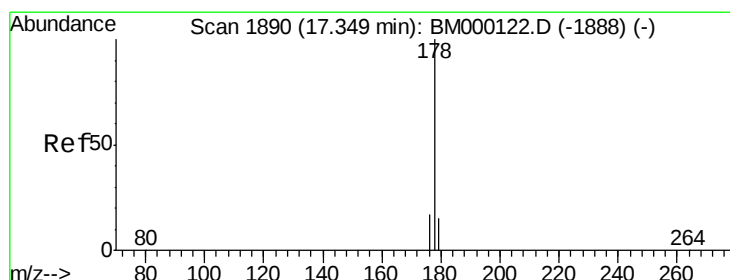
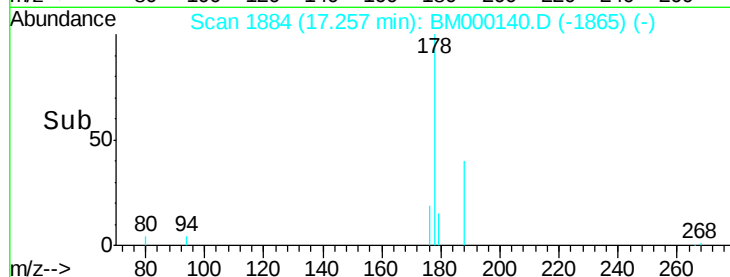
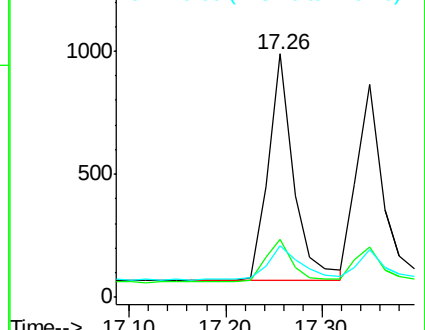
179 21.4 13.0 19.4#



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



#13

Anthracene

Concen: 0.05 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

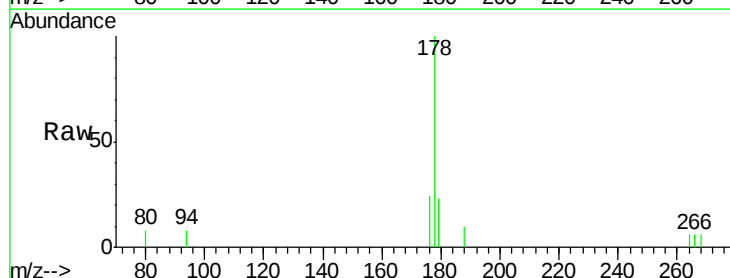
Tgt Ion:178 Resp: 1595

Ion Ratio Lower Upper

178 100

176 23.7 14.6 21.8#

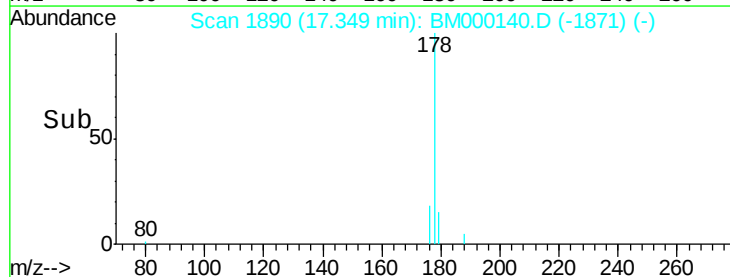
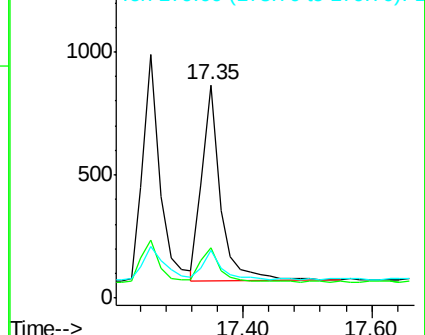
179 22.7 13.1 19.7#

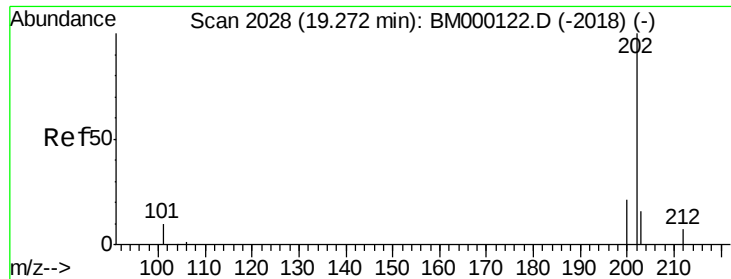


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

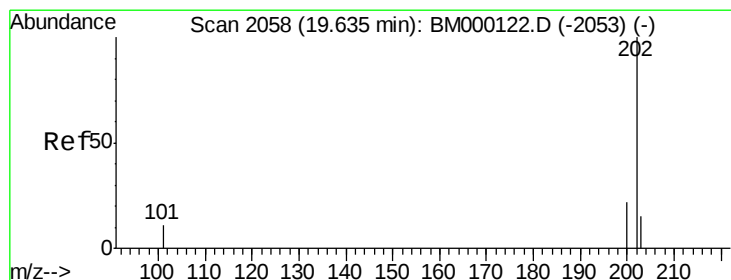
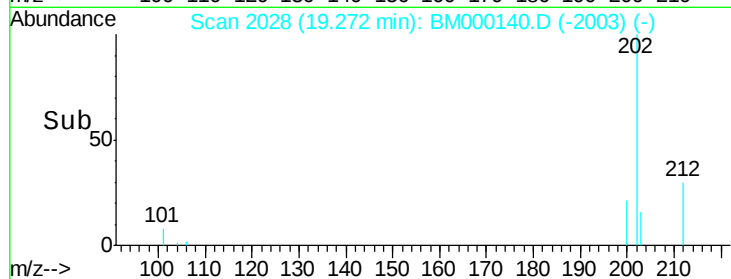
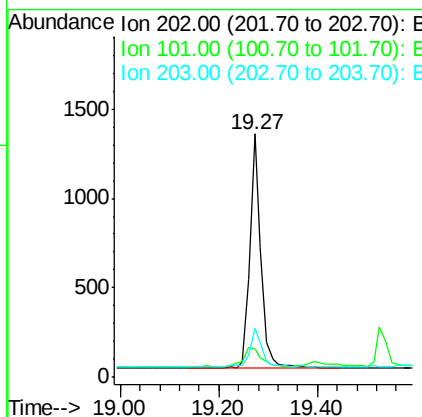
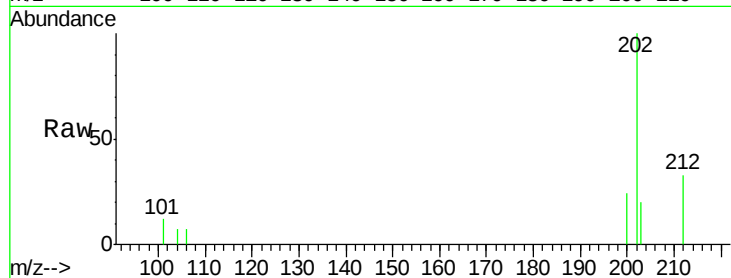




#15
Fluoranthene
Concen: 0.06 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM000140.D
Acq: 07 Jan 2015 22:57

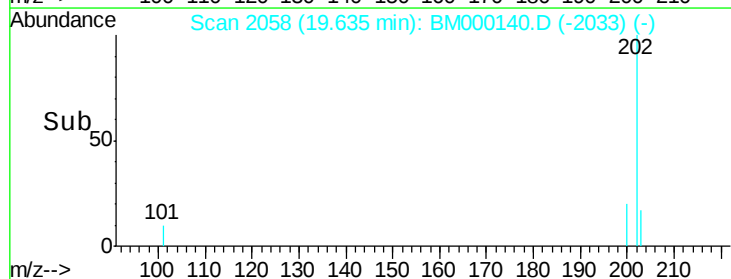
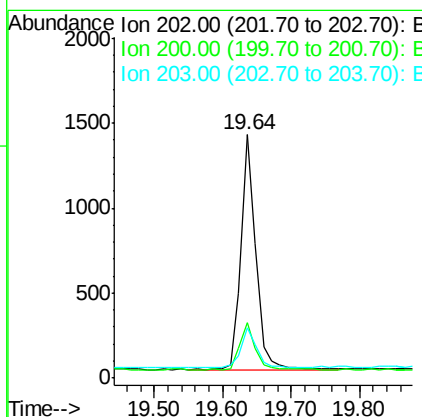
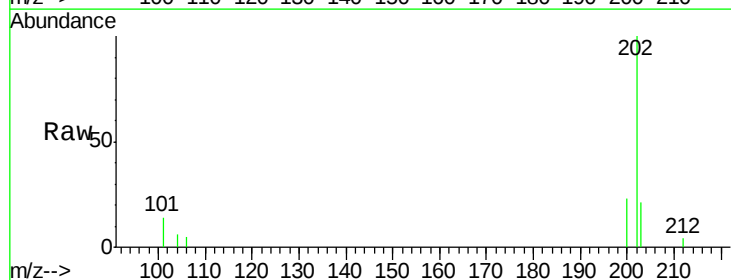
Instrument :
BNA_M
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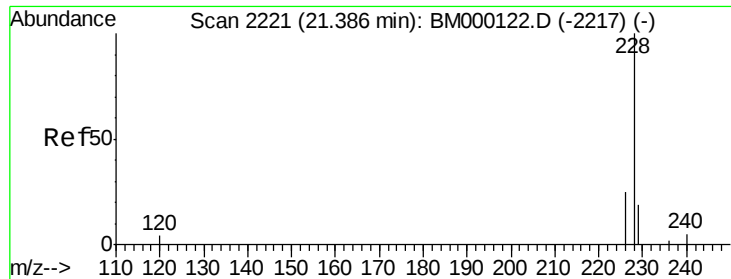
Tgt Ion:202 Resp: 2068
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.5
203 20.0 0.0 36.6



#17
Pyrene
Concen: 0.06 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000140.D
Acq: 07 Jan 2015 22:57

Tgt Ion:202 Resp: 2087
Ion Ratio Lower Upper
202 100
200 22.9 17.9 26.9
203 20.8 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.05 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

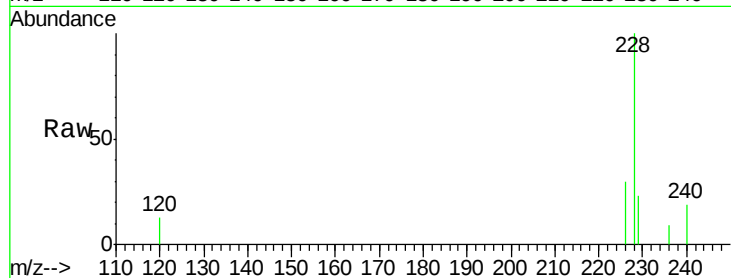
Tgt Ion:228 Resp: 1858

Ion Ratio Lower Upper

228 100

226 30.1 20.8 31.2

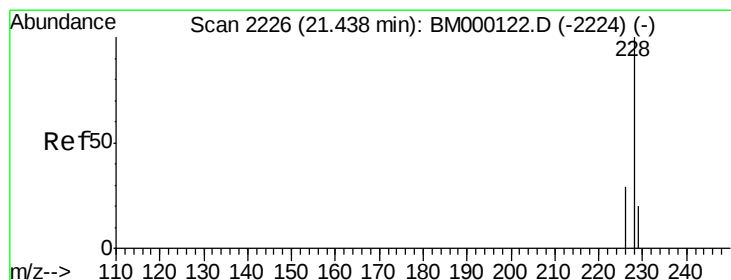
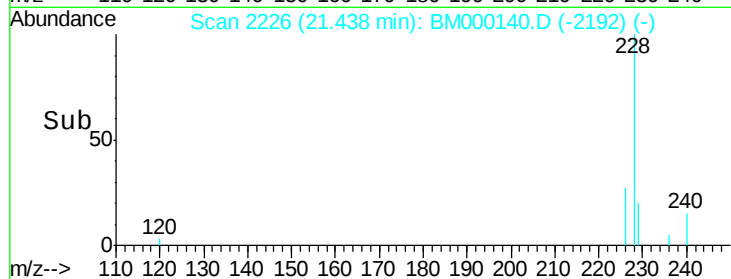
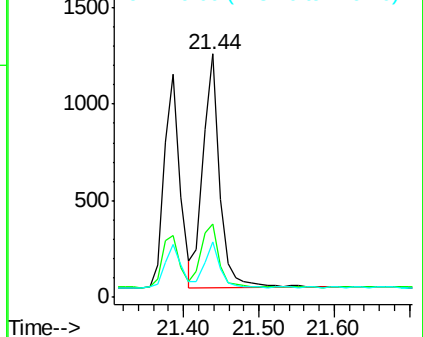
229 22.9 15.5 23.3



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



#19

Chrysene

Concen: 0.06 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

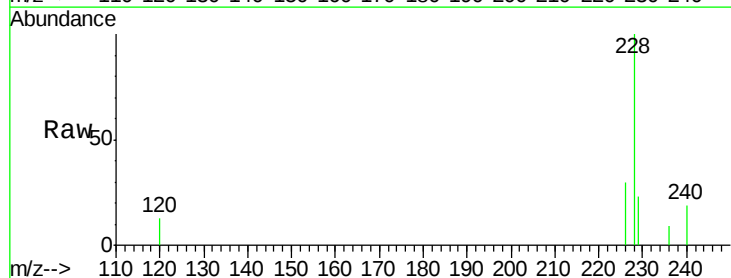
Tgt Ion:228 Resp: 1858

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

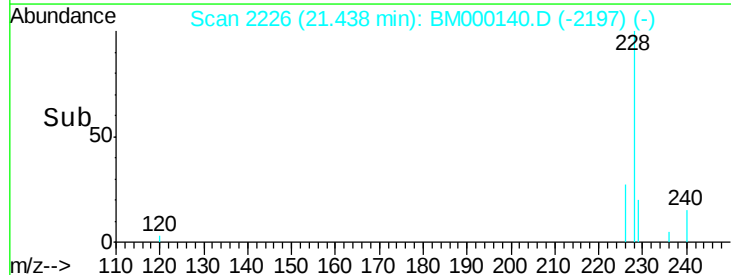
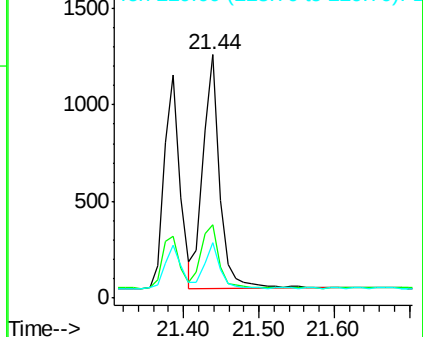
229 22.9 15.8 23.8

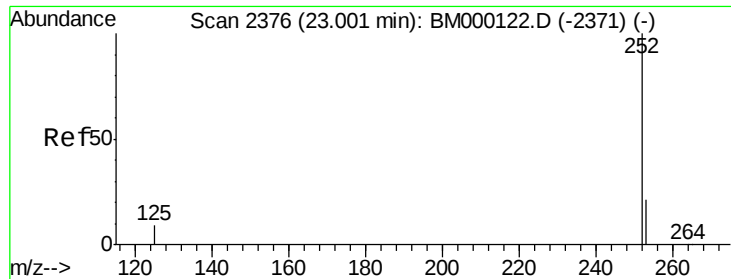


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

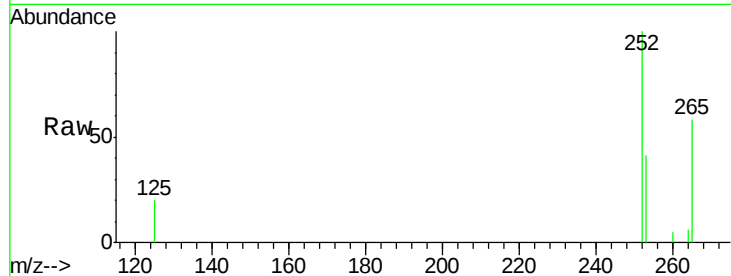
Tgt Ion:252 Resp: 1672

Ion Ratio Lower Upper

252 100

253 41.5 0.0 48.2

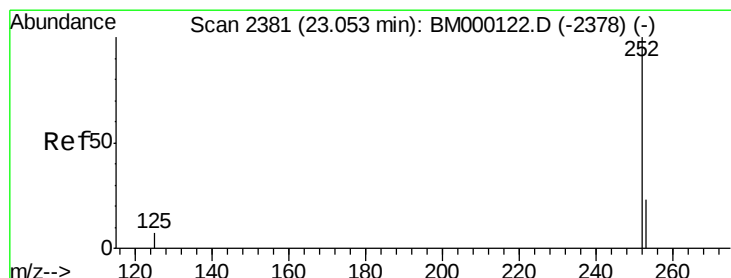
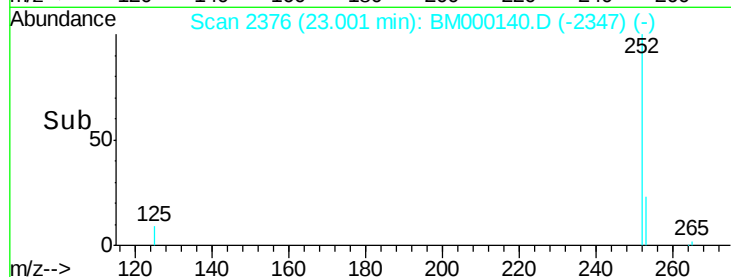
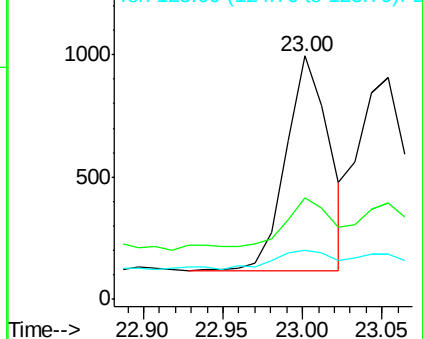
125 20.4 0.0 21.6



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



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

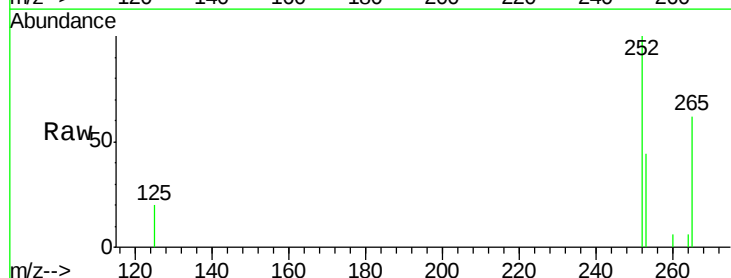
Tgt Ion:252 Resp: 1900

Ion Ratio Lower Upper

252 100

253 43.6 20.5 30.7#

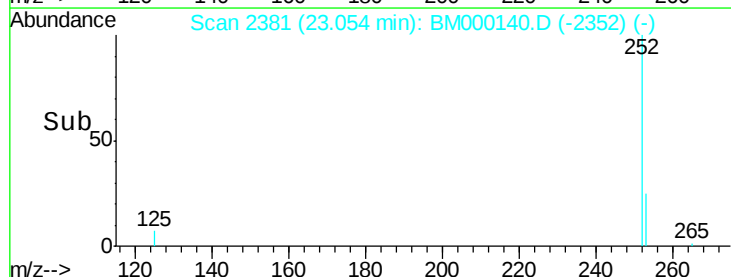
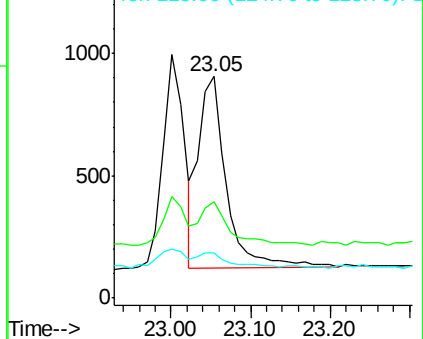
125 20.4 7.8 11.8#

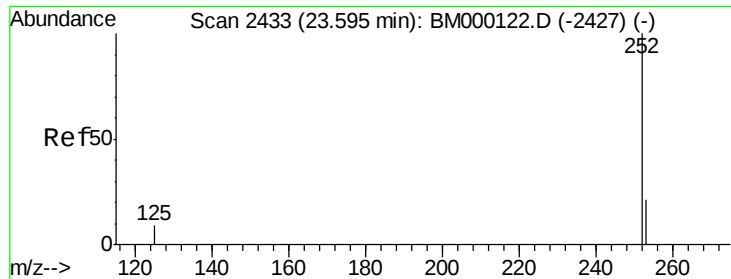


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

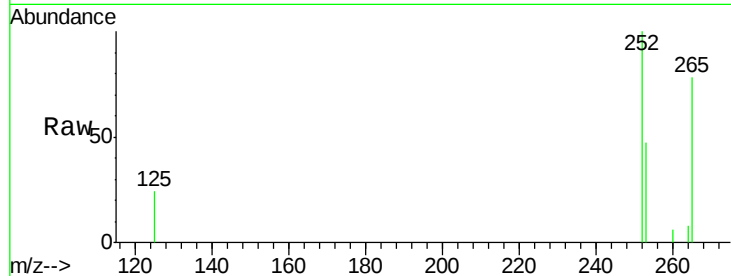
Tgt Ion:252 Resp: 1475

Ion Ratio Lower Upper

252 100

253 47.4 19.8 29.6#

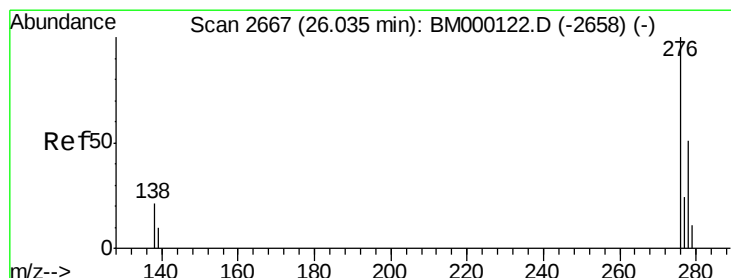
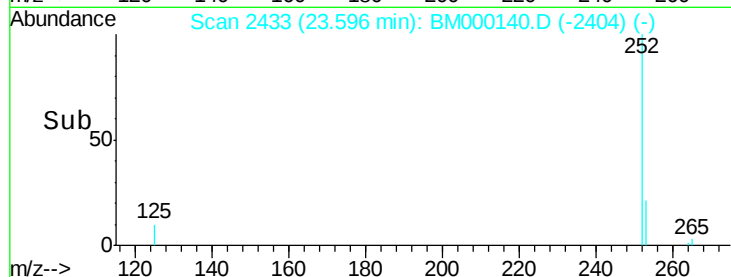
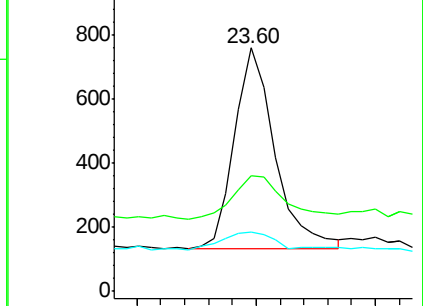
125 24.2 9.2 13.8#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

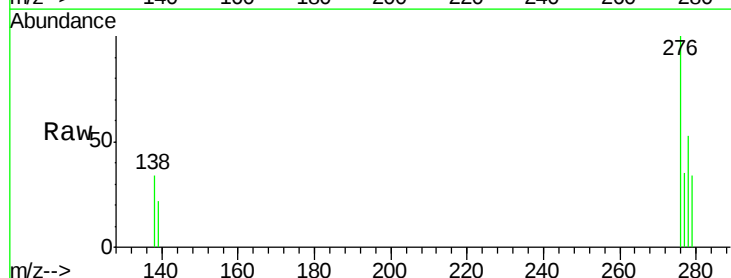
Tgt Ion:276 Resp: 1862

Ion Ratio Lower Upper

276 100

138 20.3 17.6 26.4

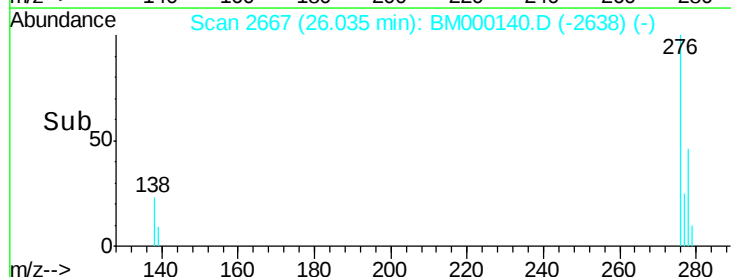
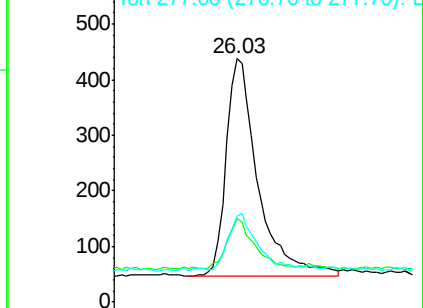
277 22.7 19.9 29.9

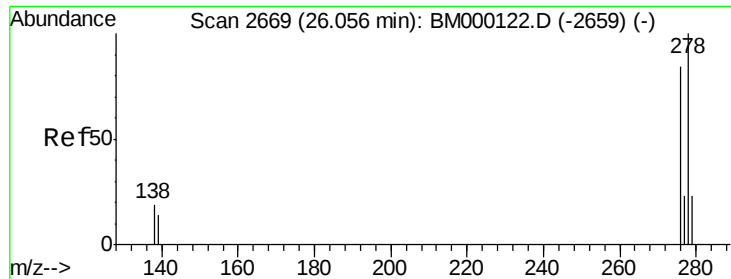


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 26.06 min Scan# 2669

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

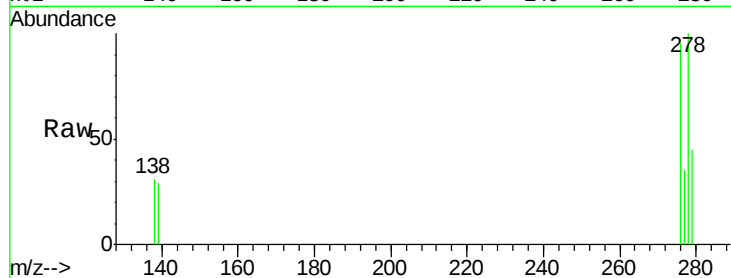
Tgt Ion:278 Resp: 1439

Ion Ratio Lower Upper

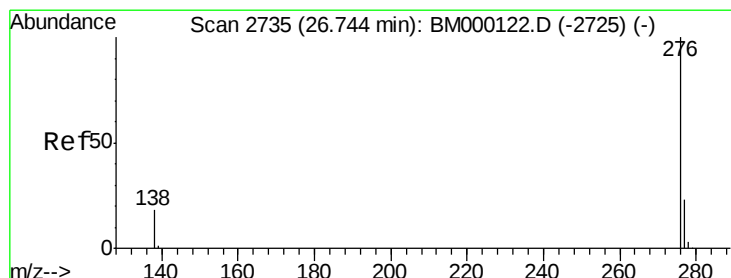
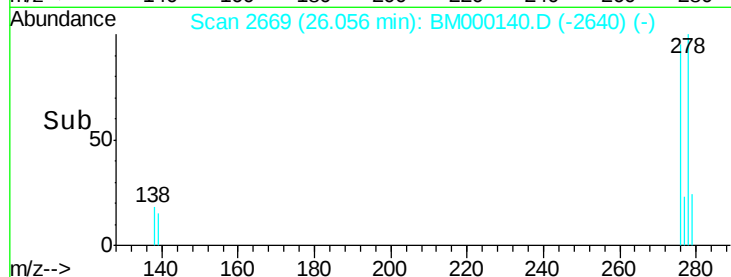
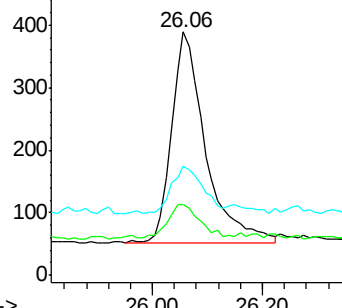
278 100

139 29.3 12.6 18.8#

279 45.0 20.6 30.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000140.D

Acq: 07 Jan 2015 22:57

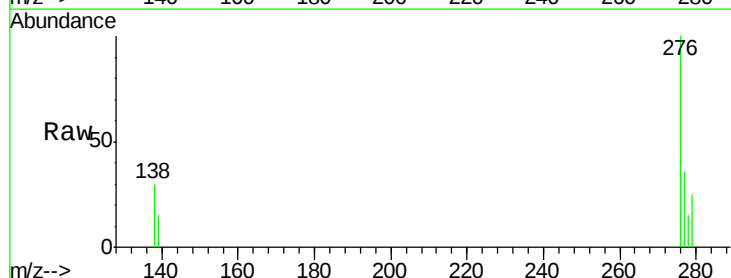
Tgt Ion:276 Resp: 1671

Ion Ratio Lower Upper

276 100

277 35.9 20.0 30.0#

138 30.2 15.7 23.5#



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

