

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000129.D
 Acq On : 07 Jan 2015 15:16
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

Quant Time: Jan 08 03:37:49 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	3151	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	10285	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5826	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10786	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	9189	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8389	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	5097	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	8469	0.37	ng/ul	0.00

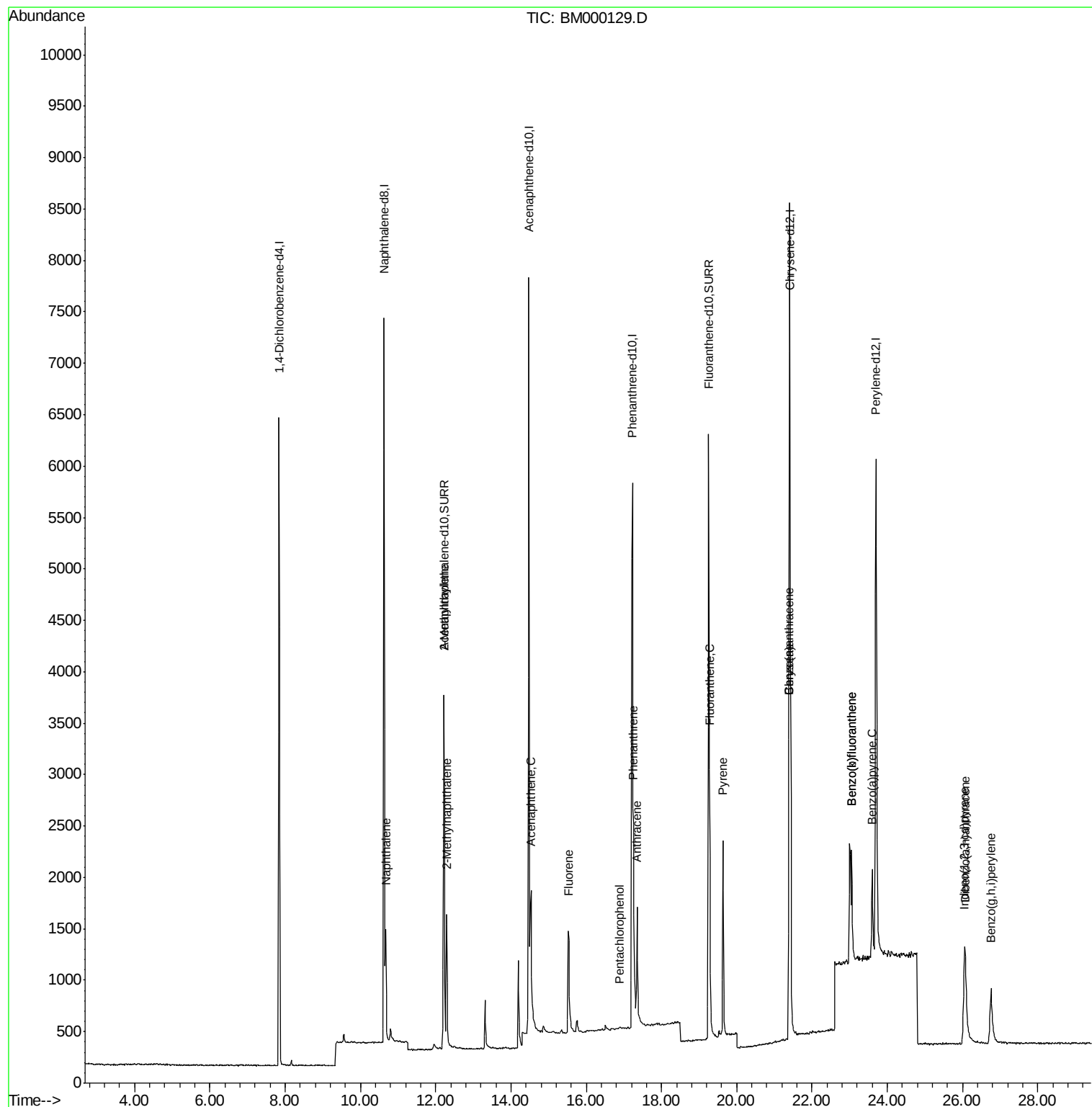
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	1573	0.06	ng/ul#	89
5) 2-Methylnaphthalene	12.29	142	1015	0.06	ng/ul	97
7) Acenaphthylene	12.22	152	5097	0.39	ng/ul	97
8) Acenaphthene	14.54	153	1004	0.06	ng/ul	97
9) Fluorene	15.54	166	1208	0.06	ng/ul#	90
11) Pentachlorophenol	16.88	266	58	0.03	ng/ul#	70
12) Phenanthrene	17.26	178	1888	0.06	ng/ul#	89
13) Anthracene	17.35	178	1782	0.06	ng/ul#	86
15) Fluoranthene	19.27	202	2252	0.06	ng/ul	91
17) Pyrene	19.64	202	2297	0.06	ng/ul#	92
18) Benzo(a)anthracene	21.39	228	1848	0.06	ng/ul	93
19) Chrysene	21.39	228	1848	0.06	ng/ul	97
21) Benzo(b)fluoranthene	23.05	252	1775	0.05	ng/ul	67
22) Benzo(k)fluoranthene	23.05	252	1775	0.06	ng/ul#	68
23) Benzo(a)pyrene	23.60	252	1808	0.06	ng/ul#	58
24) Indeno(1,2,3-cd)pyrene	26.05	276	2025	0.06	ng/ul	98
25) Dibenzo(a,h)anthracene	26.07	278	1611	0.06	ng/ul#	64
26) Benzo(g,h,i)perylene	26.75	276	1824	0.06	ng/ul#	84

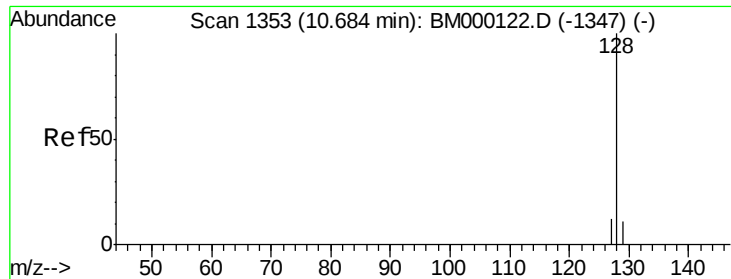
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

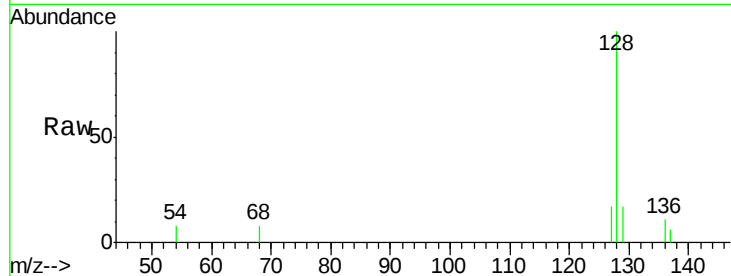
Tgt Ion:128 Resp: 1573

Ion Ratio Lower Upper

128 100

129 16.5 9.5 14.3#

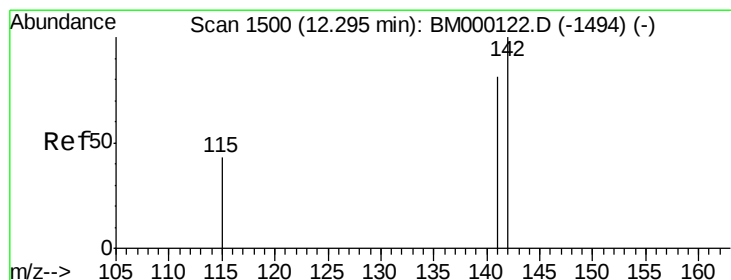
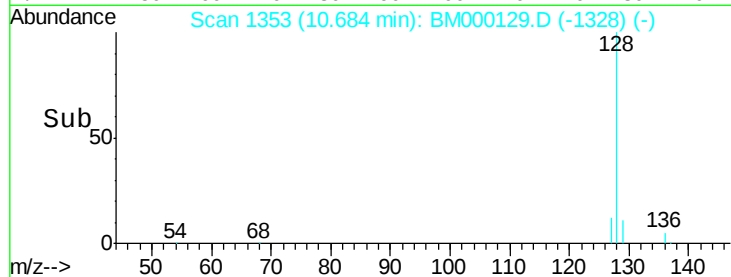
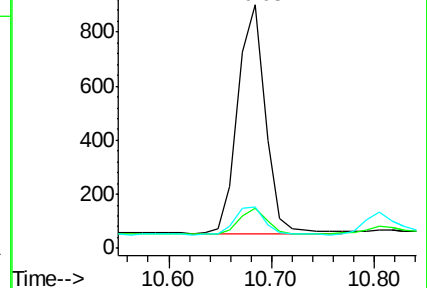
127 16.8 10.4 15.6#



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: 0.06 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000129.D

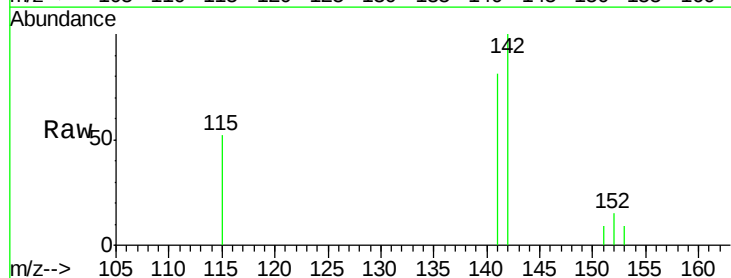
Acq: 07 Jan 2015 15:16

Tgt Ion:142 Resp: 1015

Ion Ratio Lower Upper

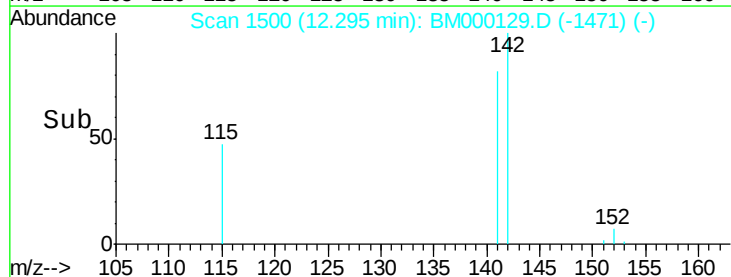
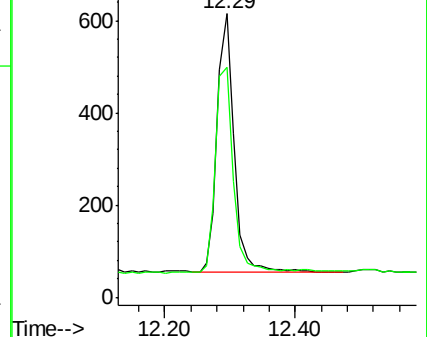
142 100

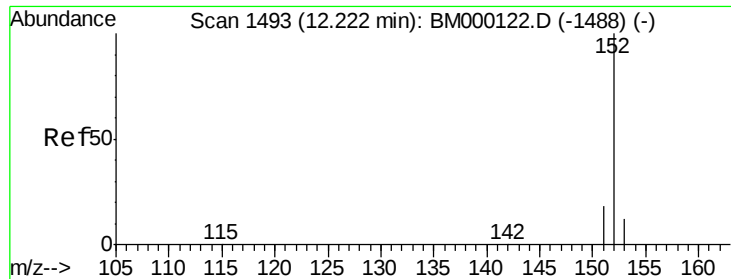
141 83.3 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

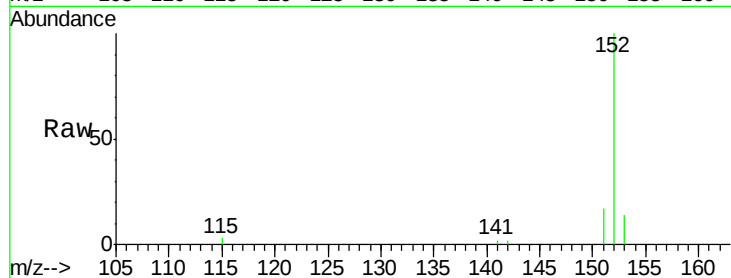
Tgt Ion:152 Resp: 5097

Ion Ratio Lower Upper

152 100

151 17.4 15.4 23.2

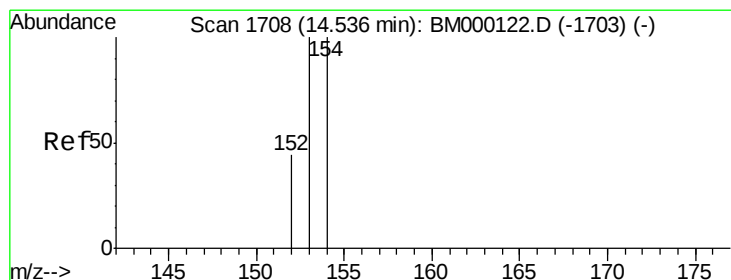
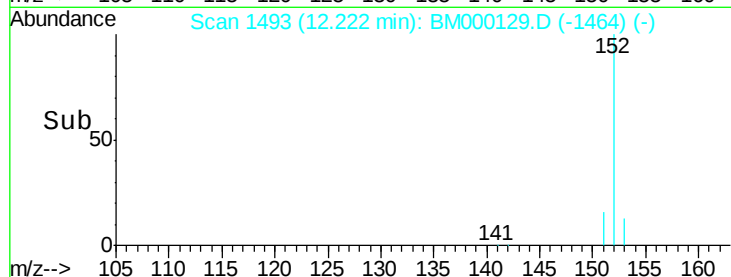
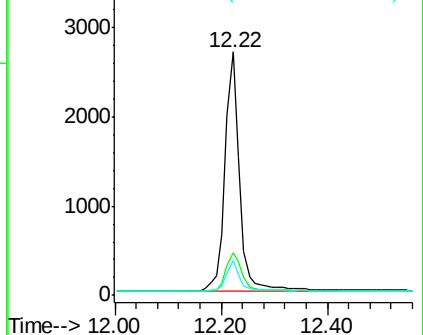
153 14.2 11.0 16.4



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: 0.06 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

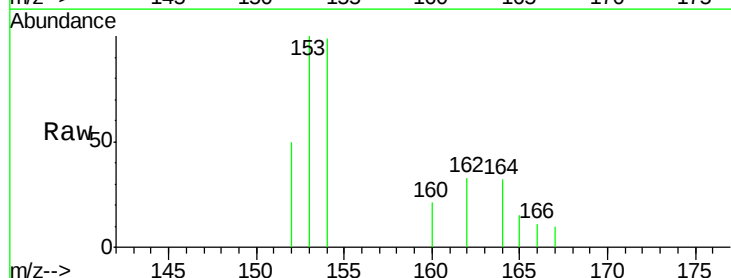
Tgt Ion:153 Resp: 1004

Ion Ratio Lower Upper

153 100

152 50.3 35.8 53.6

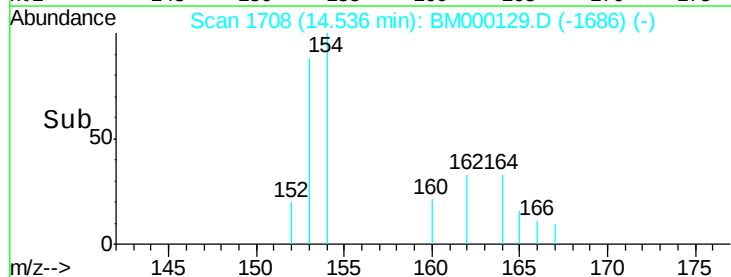
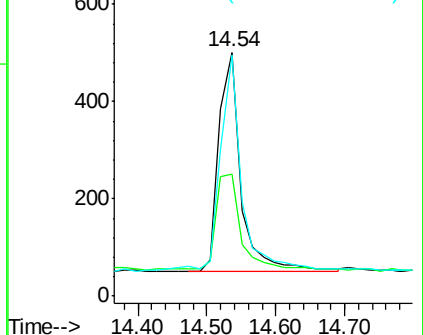
154 99.0 79.9 119.9

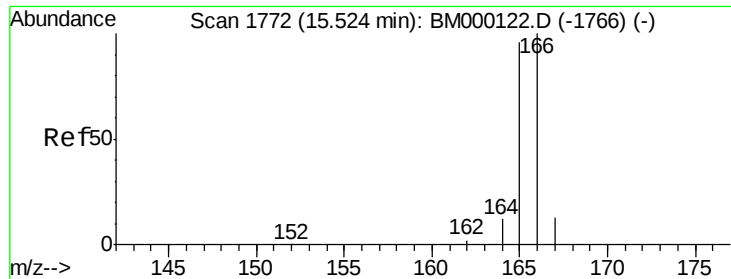


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.54 min Scan# 1773

Delta R.T. 0.02 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

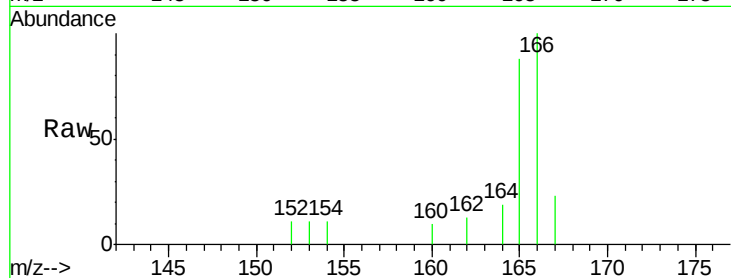
Tgt Ion:166 Resp: 1208

Ion Ratio Lower Upper

166 100

165 87.7 77.0 115.4

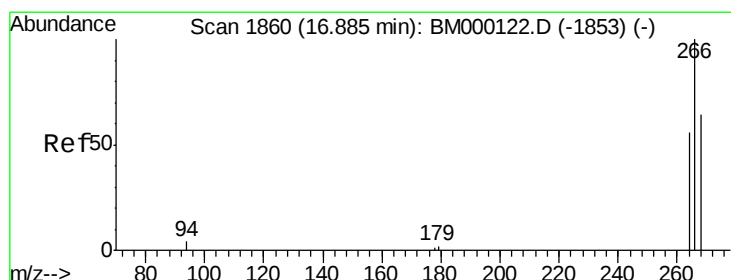
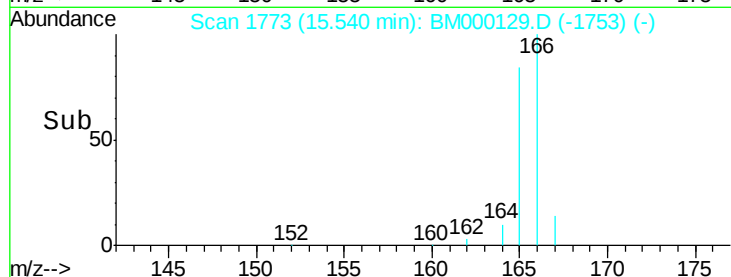
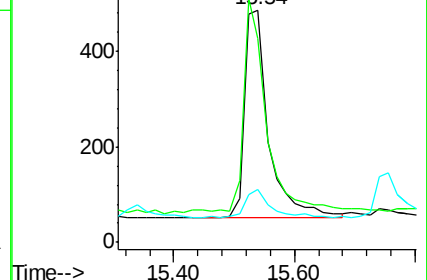
167 22.8 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.88 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

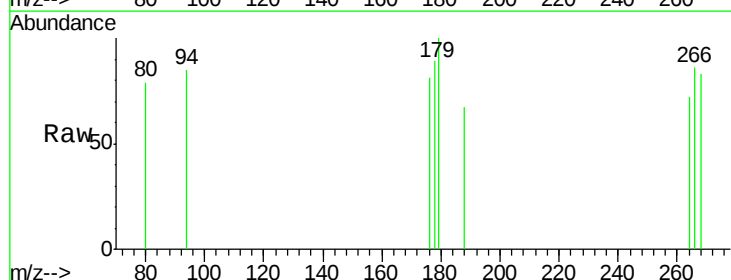
Tgt Ion:266 Resp: 58

Ion Ratio Lower Upper

266 100

264 50.0 53.9 80.9#

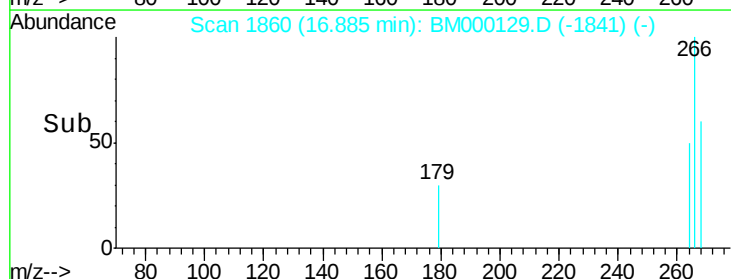
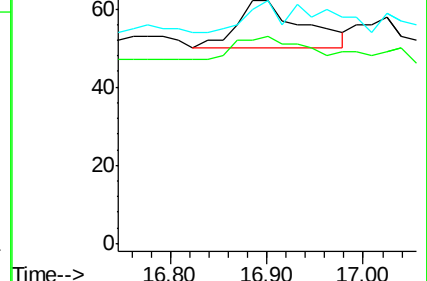
268 31.0 49.2 73.8#

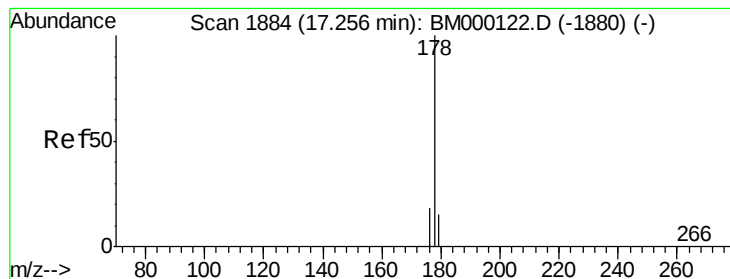


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

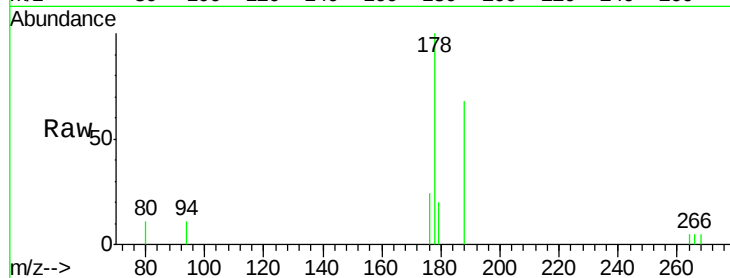
Tgt Ion:178 Resp: 1888

Ion Ratio Lower Upper

178 100

176 24.3 15.1 22.7#

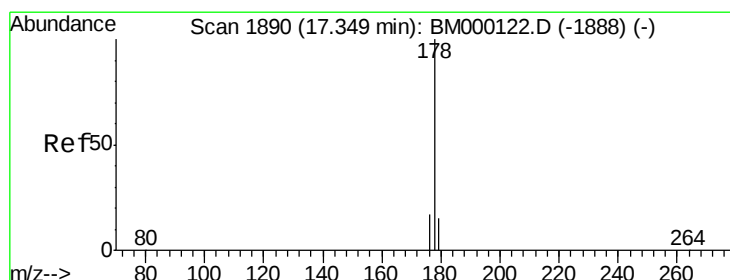
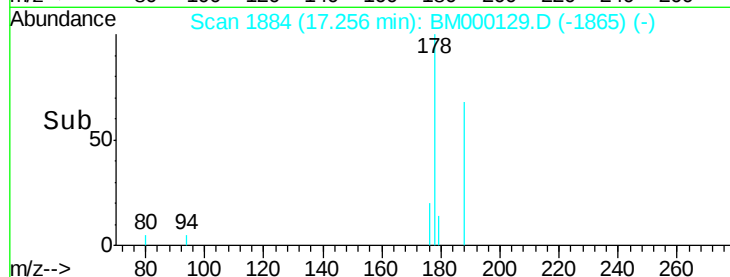
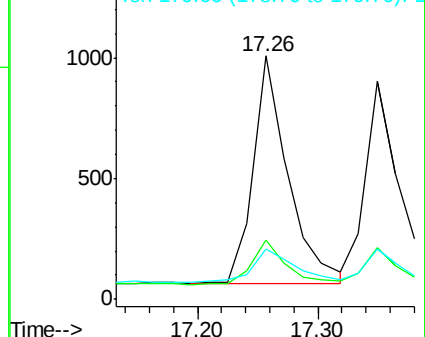
179 20.4 13.0 19.4#



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: 0.06 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

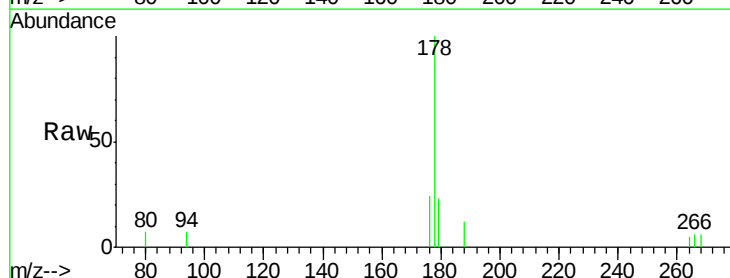
Tgt Ion:178 Resp: 1782

Ion Ratio Lower Upper

178 100

176 23.6 14.6 21.8#

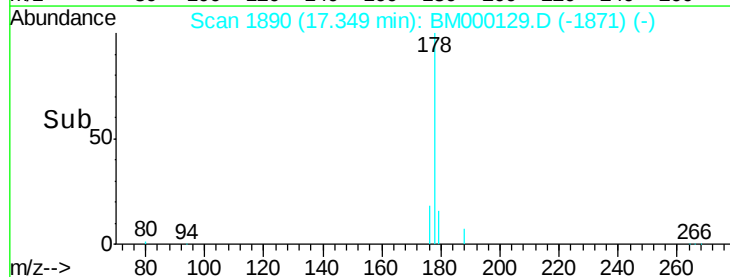
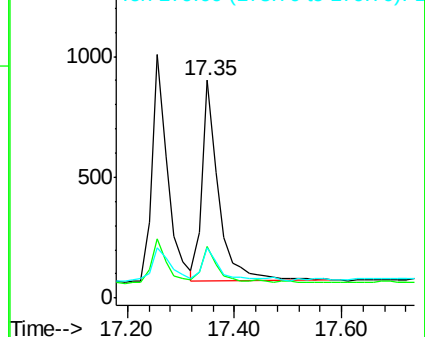
179 23.1 13.1 19.7#

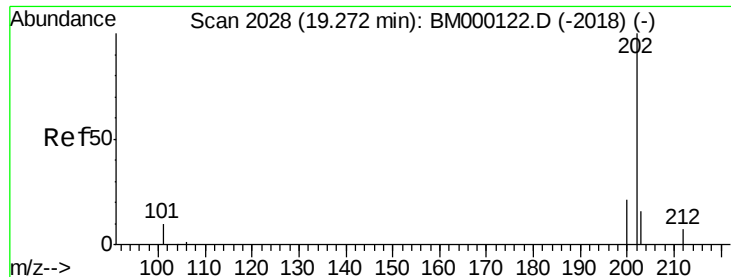


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

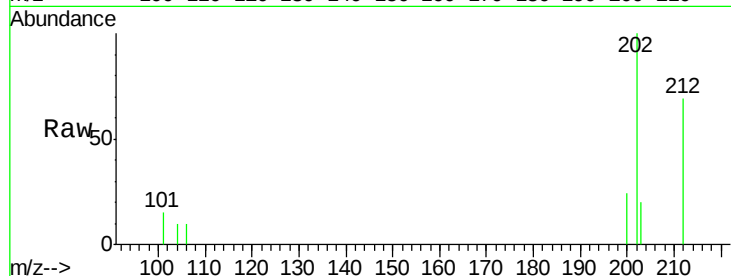
Tgt Ion:202 Resp: 2252

Ion Ratio Lower Upper

202 100

101 14.6 0.0 30.5

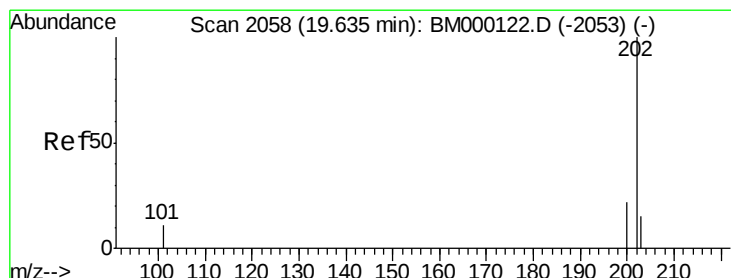
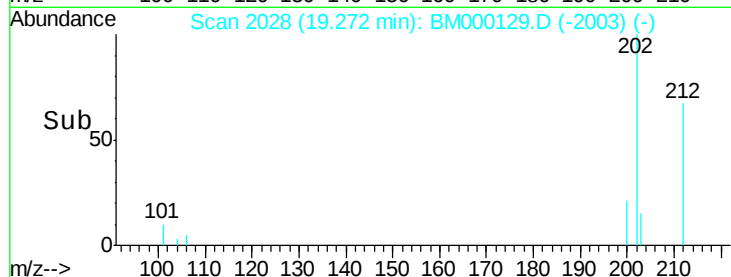
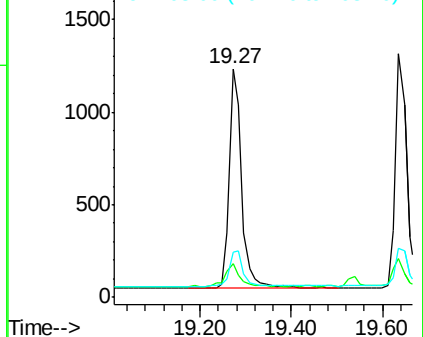
203 19.7 0.0 36.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.06 ng/ul

RT: 19.64 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

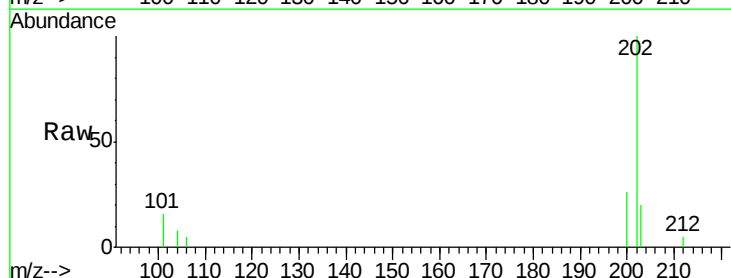
Tgt Ion:202 Resp: 2297

Ion Ratio Lower Upper

202 100

200 25.8 17.9 26.9

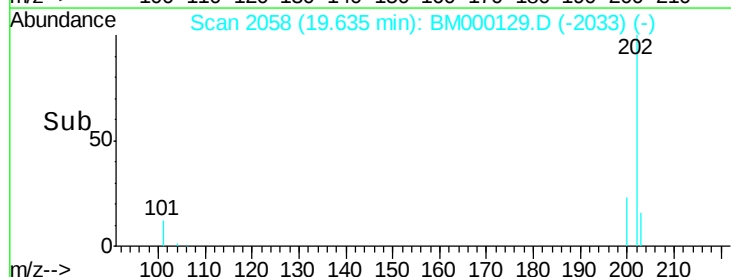
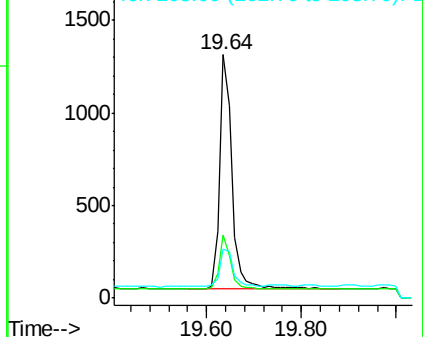
203 19.9 12.8 19.2#

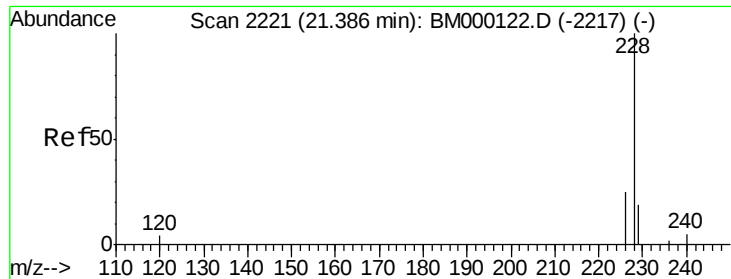


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

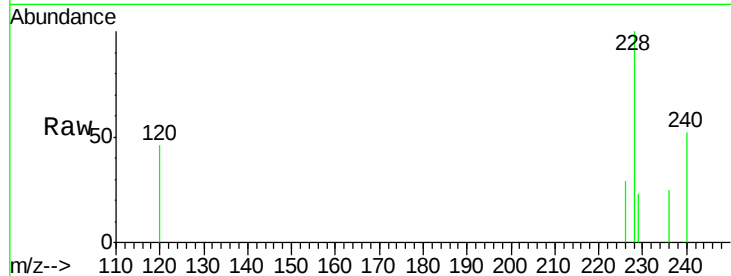
Tgt Ion:228 Resp: 1848

Ion Ratio Lower Upper

228 100

226 29.2 20.8 31.2

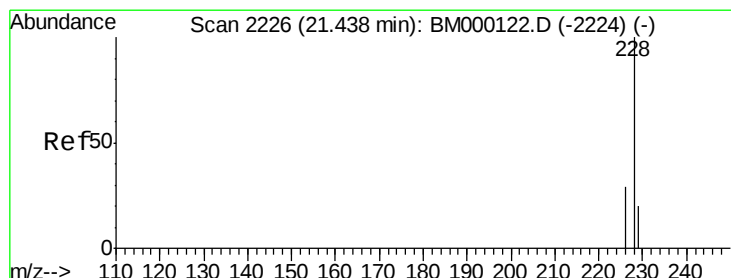
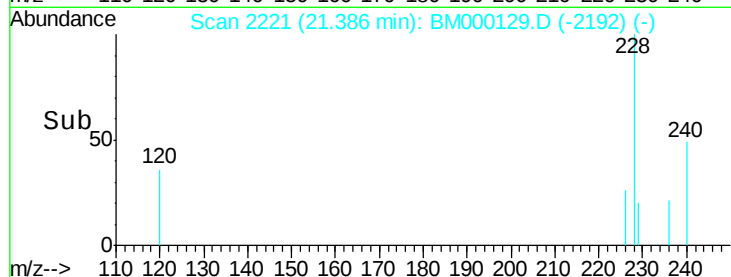
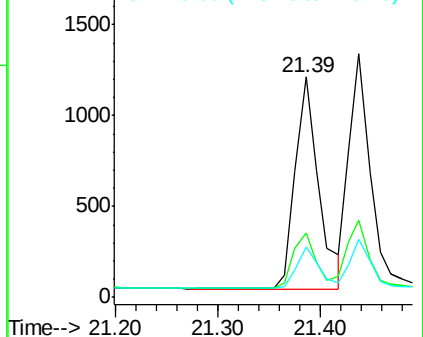
229 23.0 15.5 23.3



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: 21.39 min Scan# 2221

Delta R.T. -0.05 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

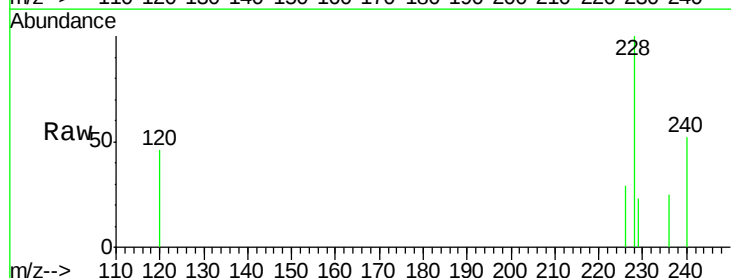
Tgt Ion:228 Resp: 1848

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

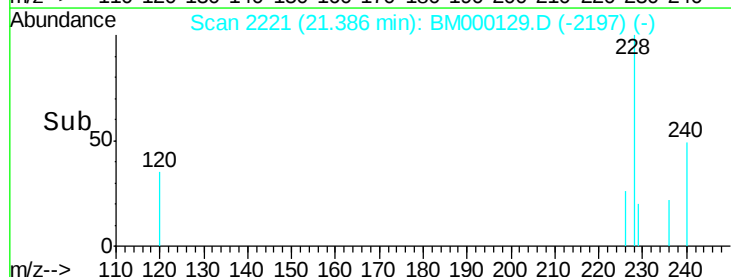
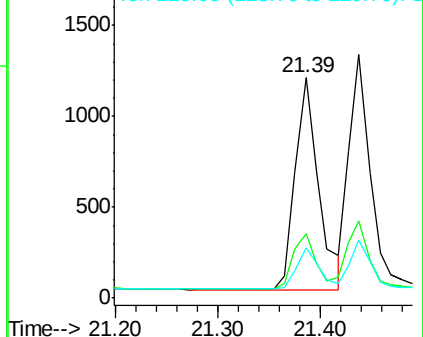
229 23.0 15.8 23.8

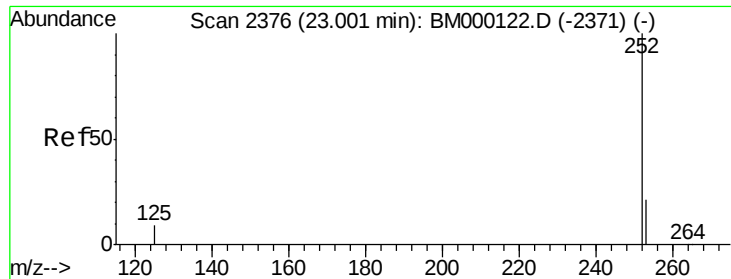


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 23.05 min Scan# 2381

Delta R.T. 0.05 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

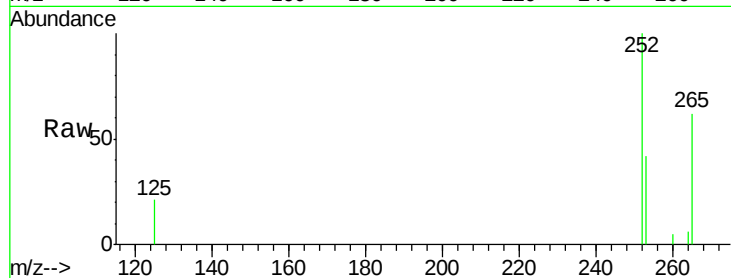
Tgt Ion:252 Resp: 1775

Ion Ratio Lower Upper

252 100

253 41.9 0.0 48.2

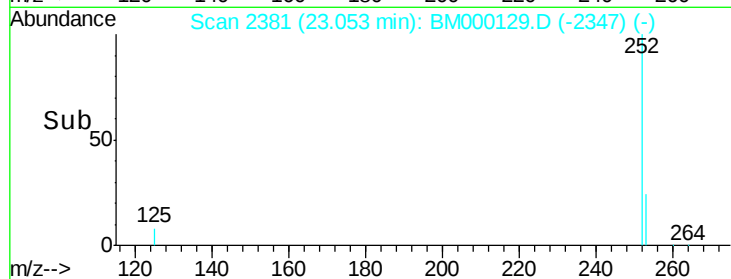
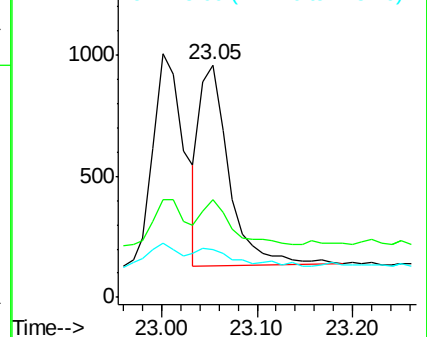
125 20.9 0.0 21.6



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/u1

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

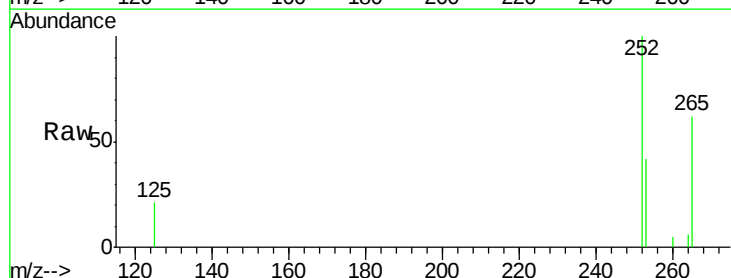
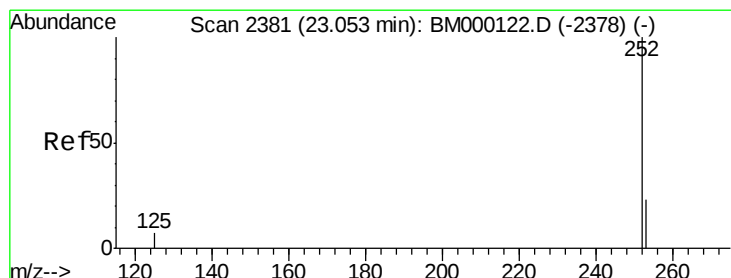
Tgt Ion:252 Resp: 1775

Ion Ratio Lower Upper

252 100

253 41.9 20.5 30.7#

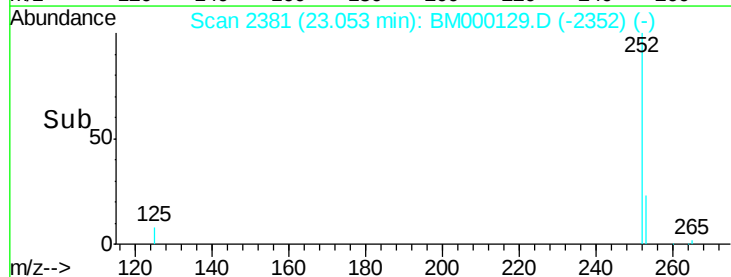
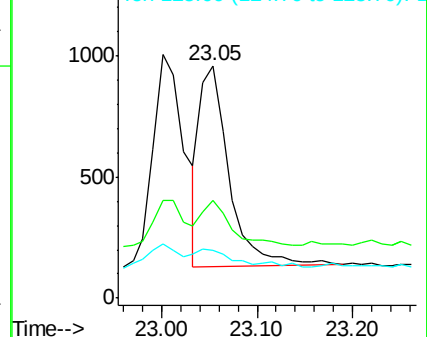
125 20.9 7.8 11.8#

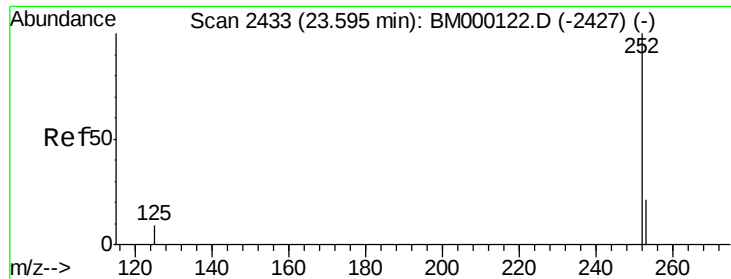


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

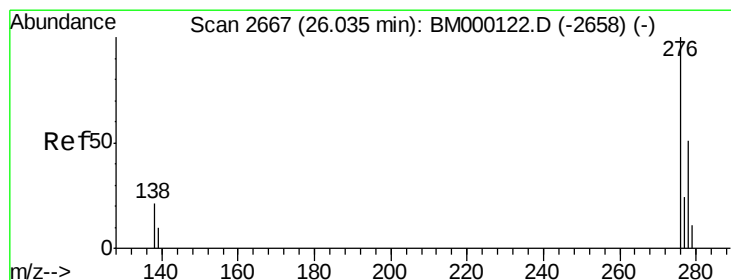
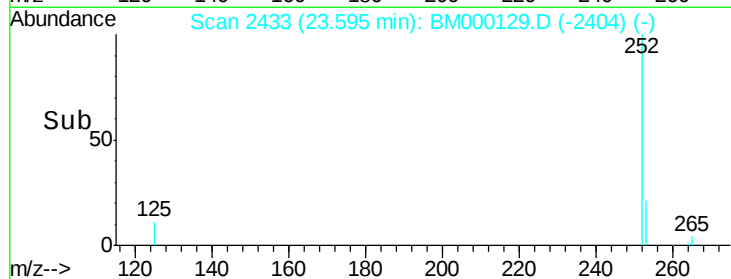
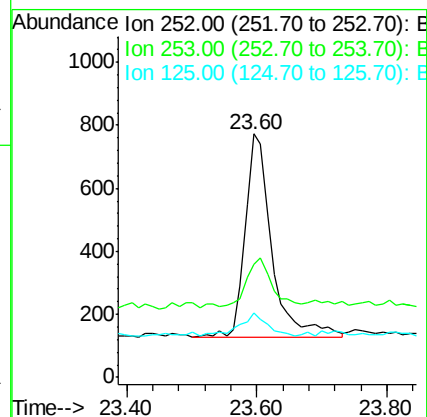
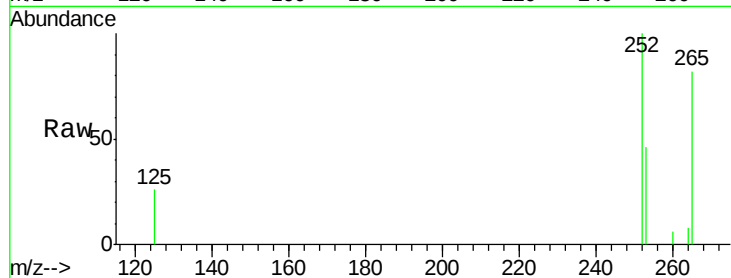
Tgt Ion:252 Resp: 1808

Ion Ratio Lower Upper

252 100

253 46.3 19.8 29.6#

125 26.3 9.2 13.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000129.D

Acq: 07 Jan 2015 15:16

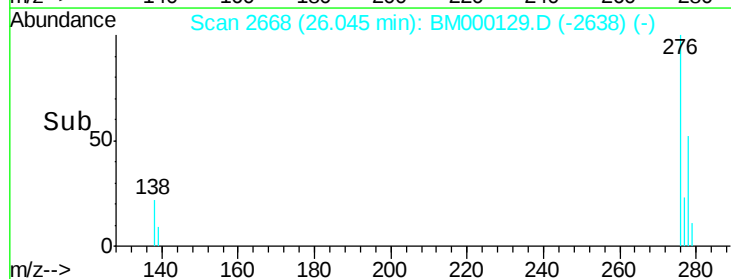
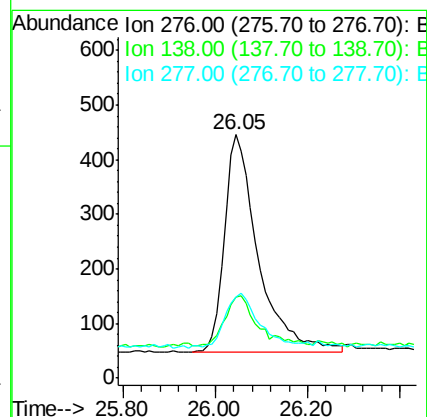
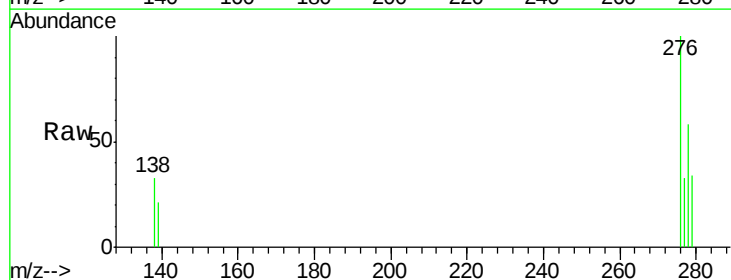
Tgt Ion:276 Resp: 2025

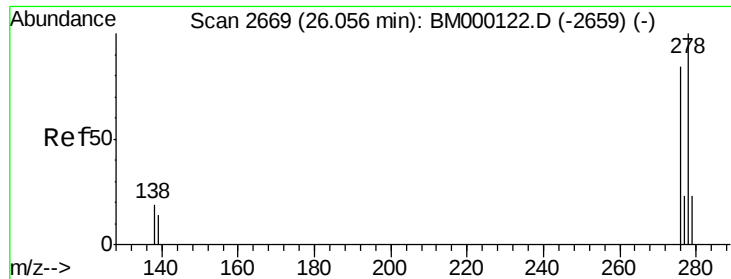
Ion Ratio Lower Upper

276 100

138 23.3 17.6 26.4

277 25.8 19.9 29.9



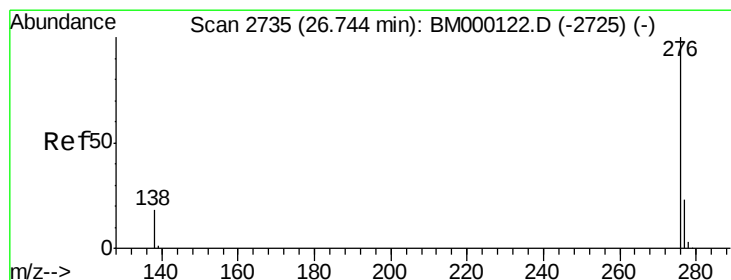
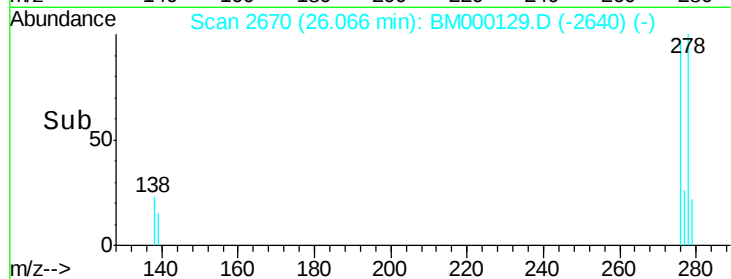
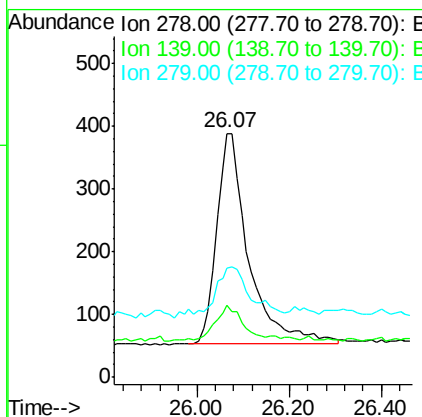
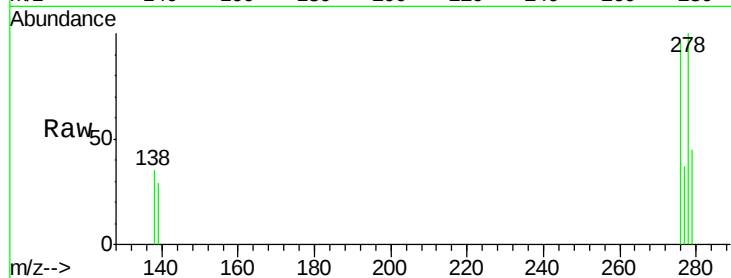


#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000129.D
Acq: 07 Jan 2015 15:16

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Tgt Ion: 278 Resp: 1611

Ion	Ratio	Lower	Upper
278	100		
139	29.4	12.6	18.8#
279	44.8	20.6	30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 26.75 min Scan# 2736
Delta R.T. 0.01 min
Lab File: BM000129.D
Acq: 07 Jan 2015 15:16

Tgt Ion: 276 Resp: 1824

Ion	Ratio	Lower	Upper
276	100		
277	32.7	20.0	30.0#
138	27.2	15.7	23.5#

