

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000139.D
 Acq On : 07 Jan 2015 22:21
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.07PPM-SIM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-S

Quant Time: Jan 08 04:03:02 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	2752	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	8925	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5310	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	9779	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8296	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7440	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4316	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7414	0.35	ng/ul	0.00

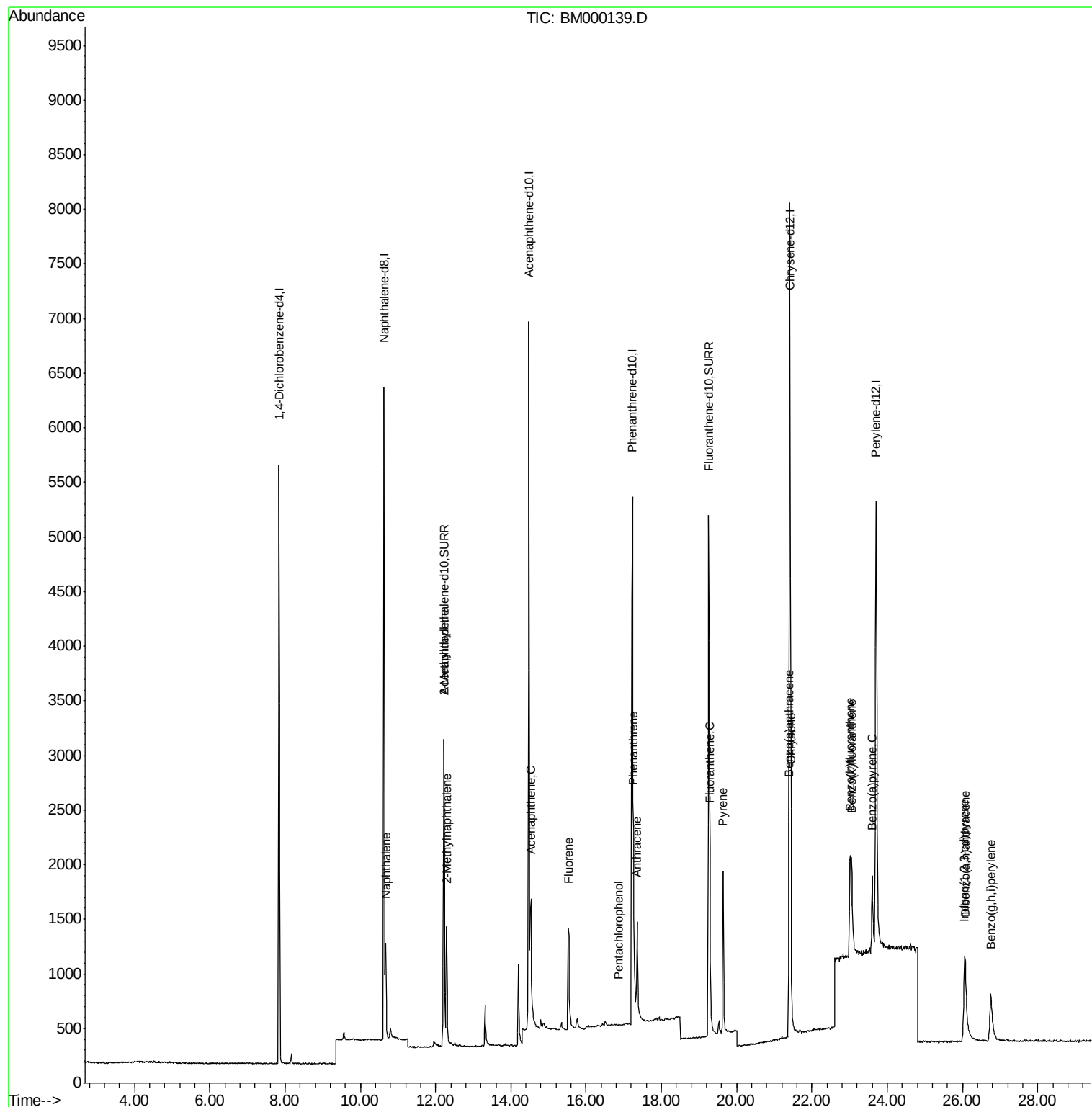
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	1332	0.06	ng/ul#	88
5) 2-Methylnaphthalene	12.30	142	877	0.06	ng/ul	98
7) Acenaphthylene	12.22	152	4316	0.36	ng/ul	99
8) Acenaphthene	14.54	153	909	0.06	ng/ul	95
9) Fluorene	15.52	166	1062	0.06	ng/ul#	88
11) Pentachlorophenol	16.87	266	6	0.00	ng/ul#	1
12) Phenanthrene	17.26	178	1647	0.05	ng/ul#	85
13) Anthracene	17.35	178	1624	0.06	ng/ul#	81
15) Fluoranthene	19.28	202	1945	0.06	ng/ul	89
17) Pyrene	19.64	202	1994	0.06	ng/ul#	89
18) Benzo(a)anthracene	21.39	228	1555	0.06	ng/ul#	92
19) Chrysene	21.44	228	1738	0.06	ng/ul	94
21) Benzo(b)fluoranthene	23.01	252	1617	0.05	ng/ul#	59
22) Benzo(k)fluoranthene	23.05	252	1568	0.06	ng/ul#	63
23) Benzo(a)pyrene	23.61	252	1657	0.06	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	26.05	276	1688	0.06	ng/ul	99
25) Dibenzo(a,h)anthracene	26.08	278	1300	0.05	ng/ul#	55
26) Benzo(g,h,i)perylene	26.74	276	1548	0.06	ng/ul#	73

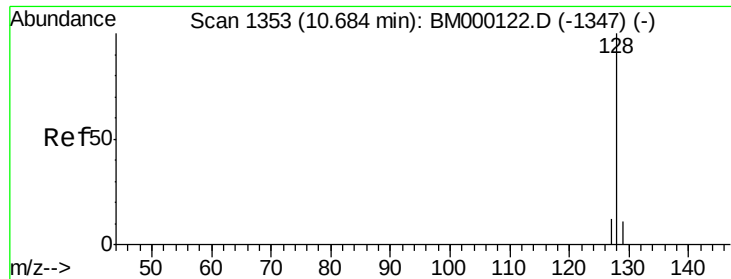
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

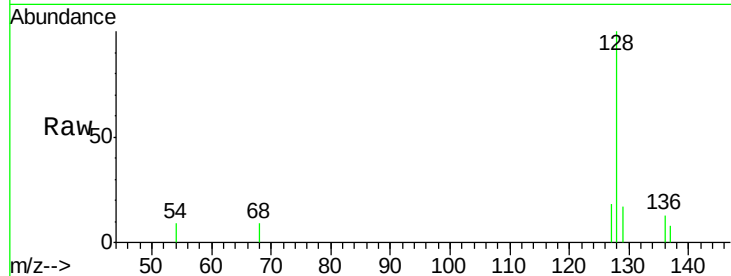
Tgt Ion:128 Resp: 1332

Ion Ratio Lower Upper

128 100

129 16.9 9.5 14.3#

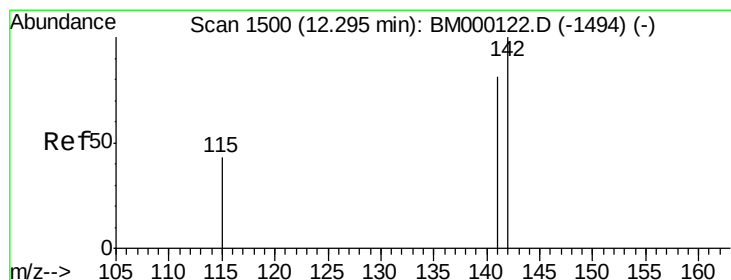
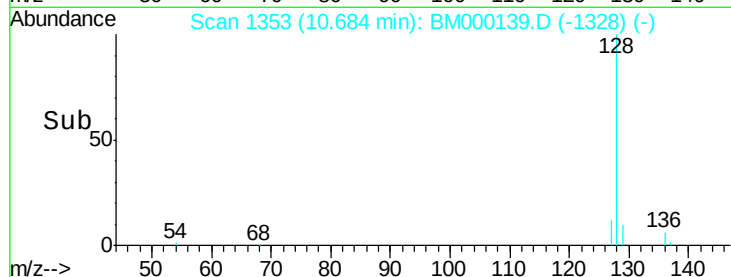
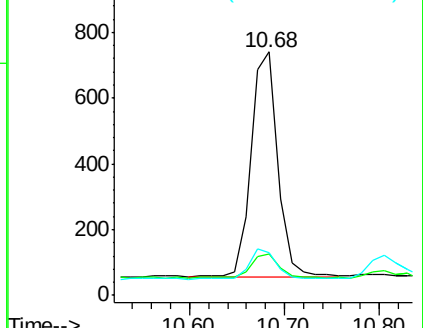
127 17.5 10.4 15.6#



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: 0.06 ng/ul

RT: 12.30 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000139.D

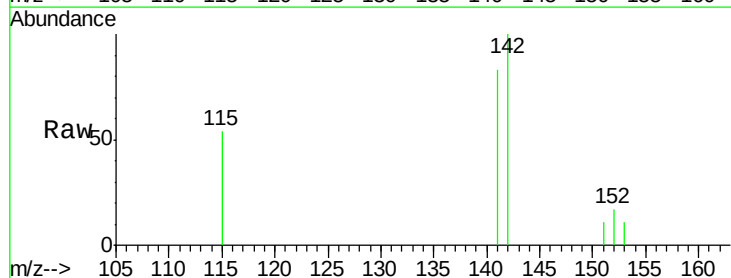
Acq: 07 Jan 2015 22:21

Tgt Ion:142 Resp: 877

Ion Ratio Lower Upper

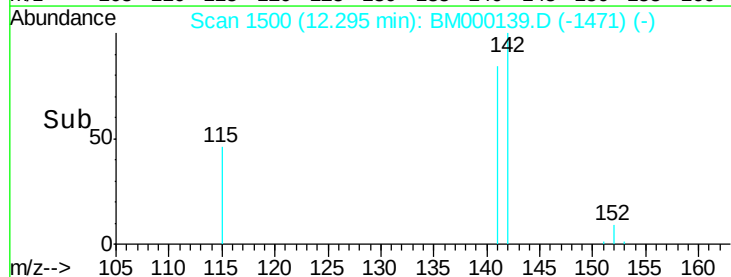
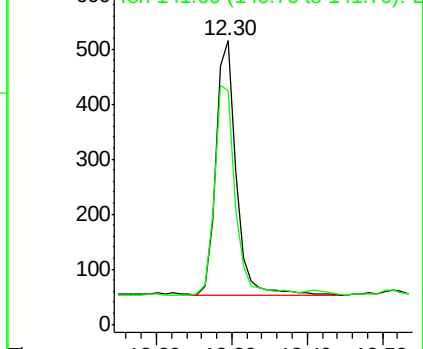
142 100

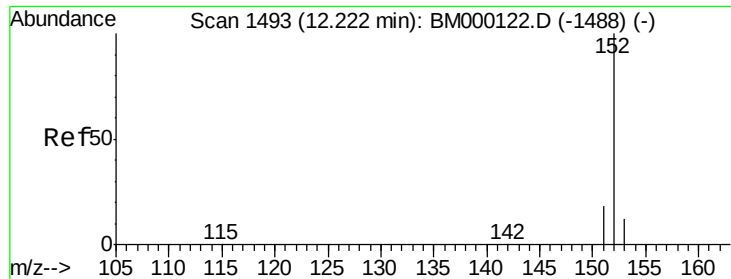
141 84.7 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.36 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

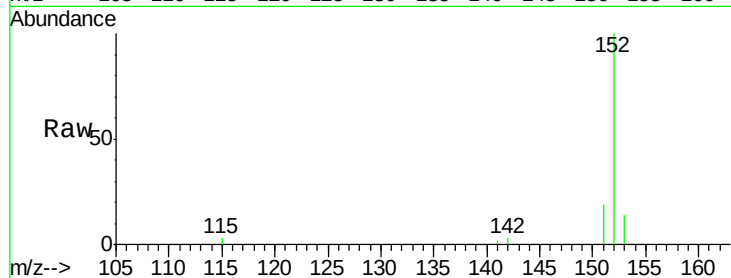
Tgt Ion:152 Resp: 4316

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.2

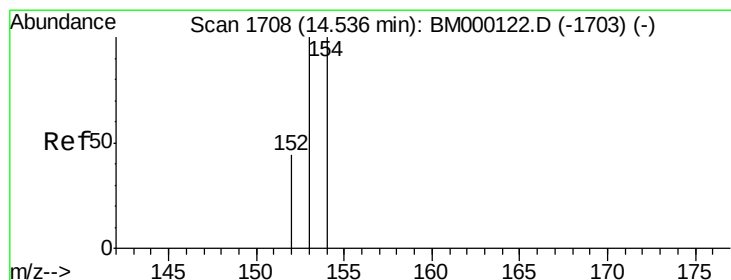
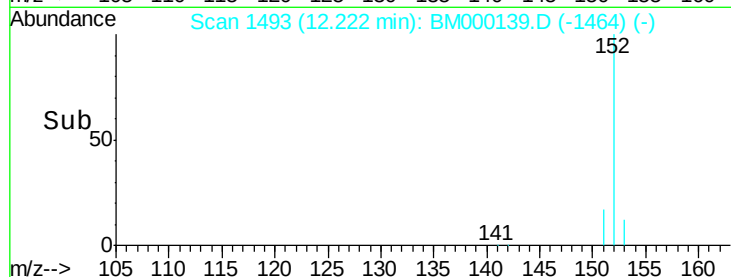
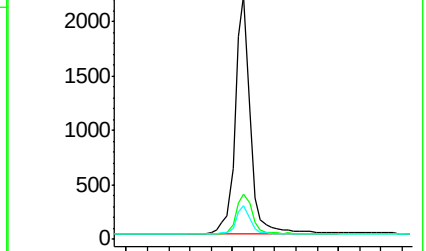
153 13.8 11.0 16.4



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: BM000139.D

Acq: 07 Jan 2015 22:21

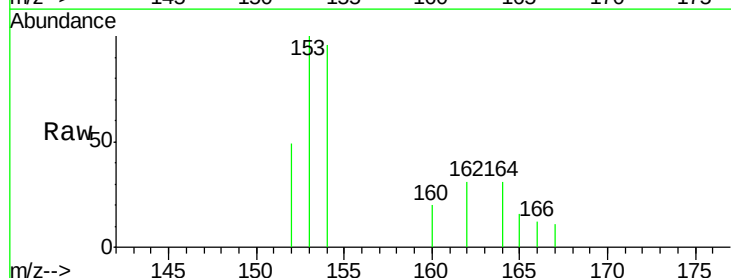
Tgt Ion:153 Resp: 909

Ion Ratio Lower Upper

153 100

152 49.0 35.8 53.6

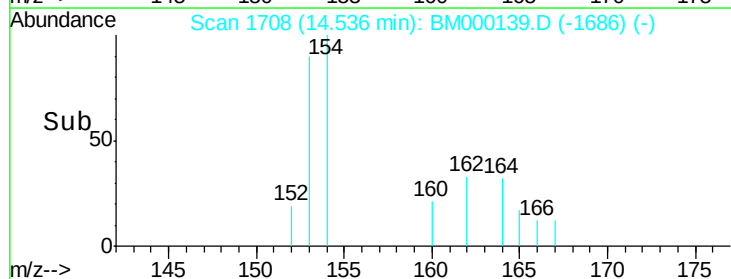
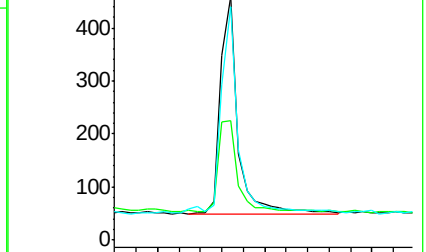
154 95.9 79.9 119.9

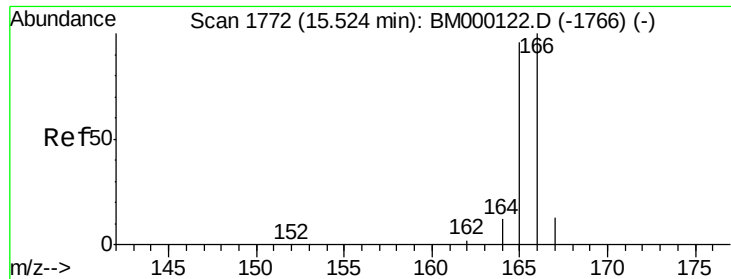


Abundance Ion 153.00 (152.70 to 153.70): E

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: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

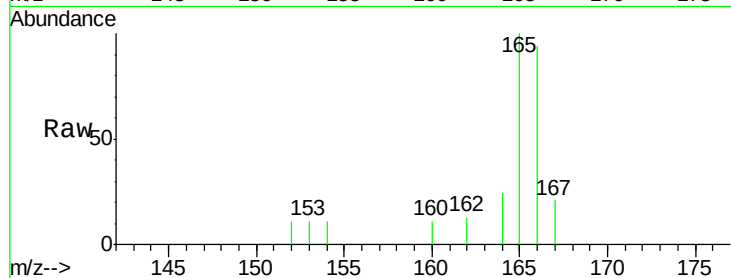
Tgt Ion:166 Resp: 1062

Ion Ratio Lower Upper

166 100

165 106.3 77.0 115.4

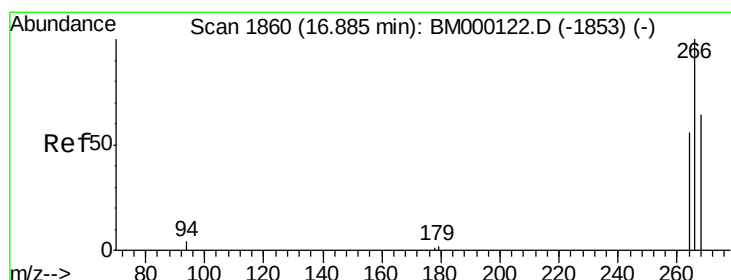
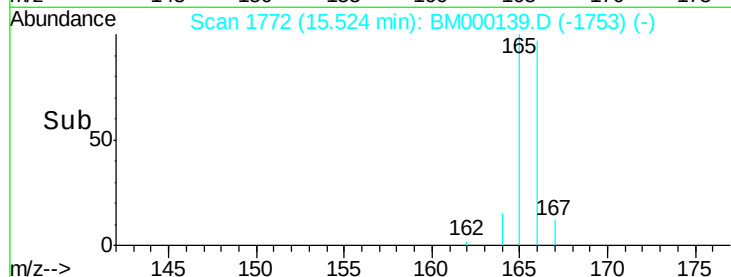
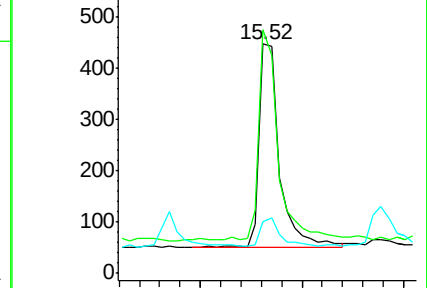
167 22.8 11.0 16.6#



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: 0.00 ng/ul

RT: 16.87 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

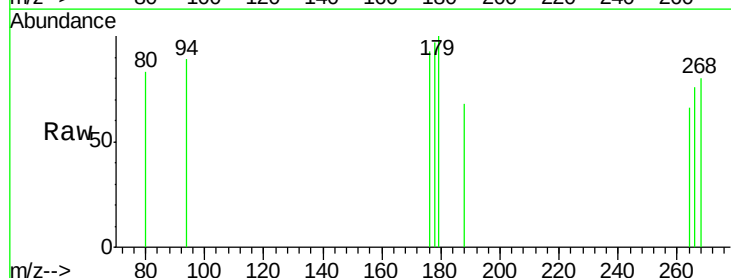
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 0.0 53.9 80.9#

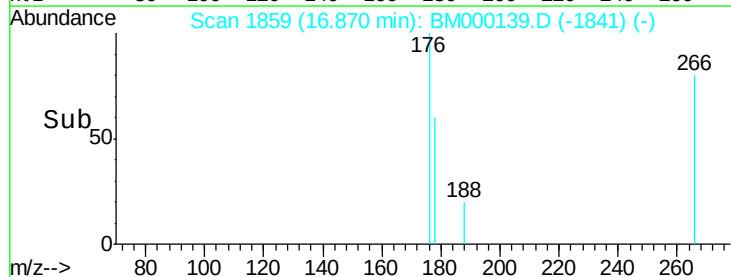
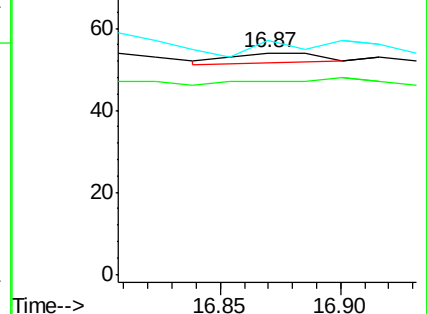
268 316.7 49.2 73.8#

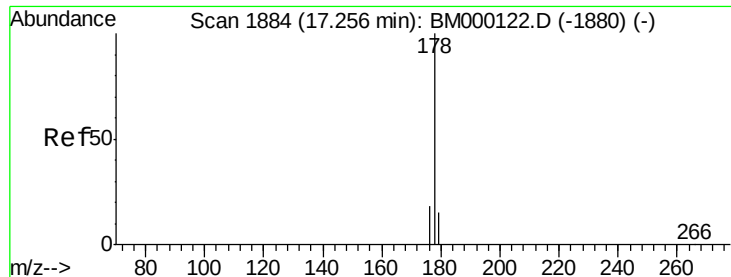


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

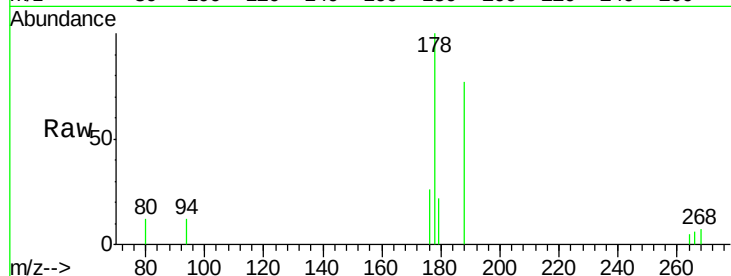
Tgt Ion:178 Resp: 1647

Ion Ratio Lower Upper

178 100

176 26.0 15.1 22.7#

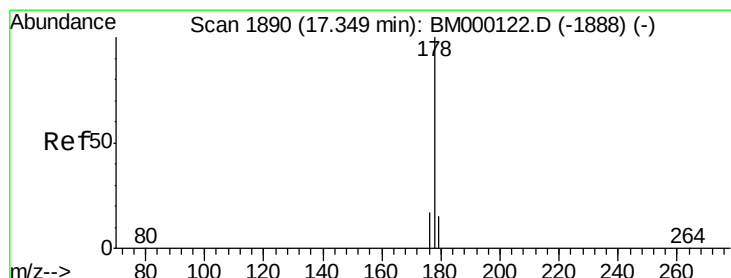
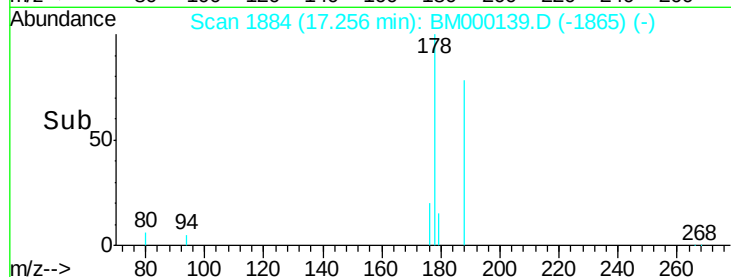
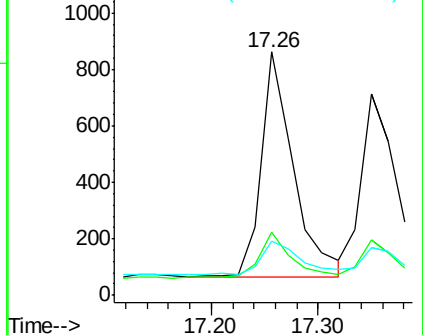
179 22.3 13.0 19.4#



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: BM000139.D

Acq: 07 Jan 2015 22:21

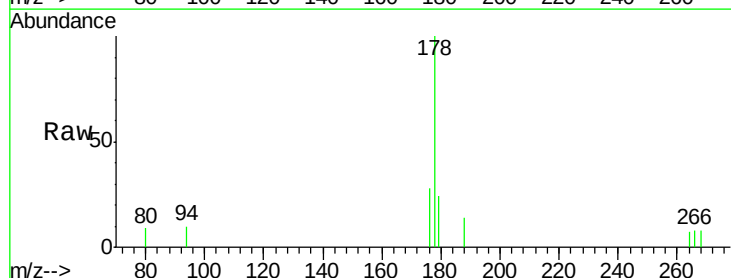
Tgt Ion:178 Resp: 1624

Ion Ratio Lower Upper

178 100

176 27.5 14.6 21.8#

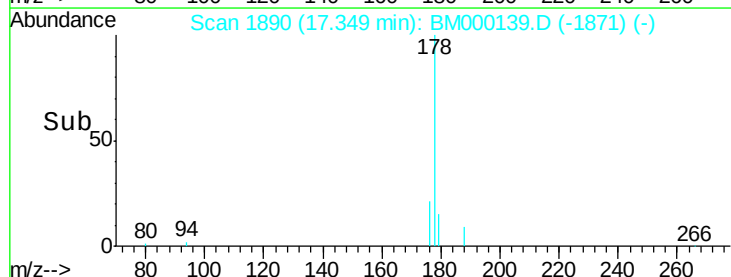
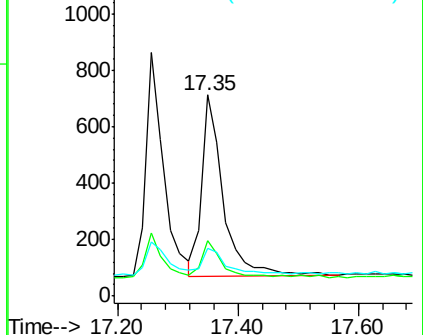
179 23.9 13.1 19.7#

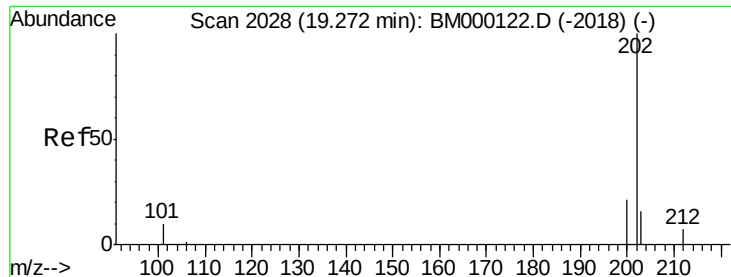


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

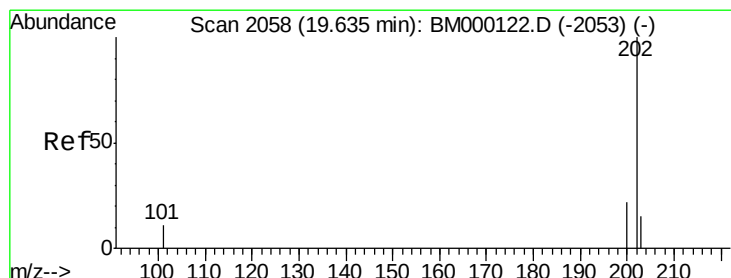
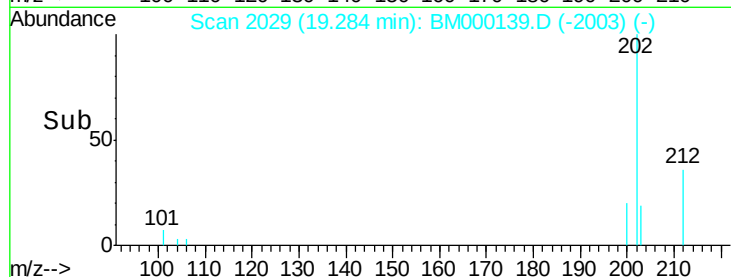
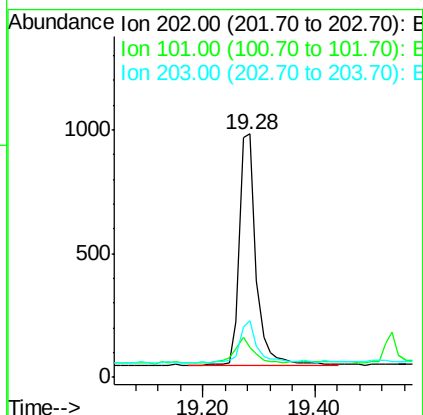
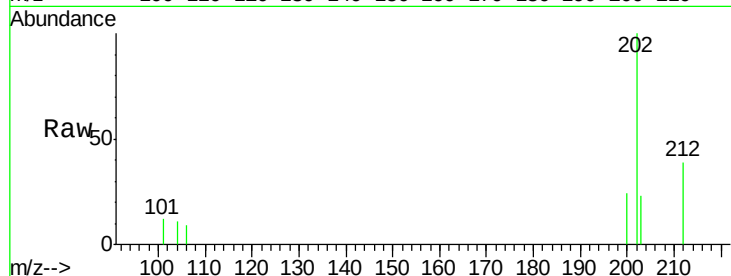




#15
Fluoranthene
Concen: 0.06 ng/ul
RT: 19.28 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM000139.D
Acq: 07 Jan 2015 22:21

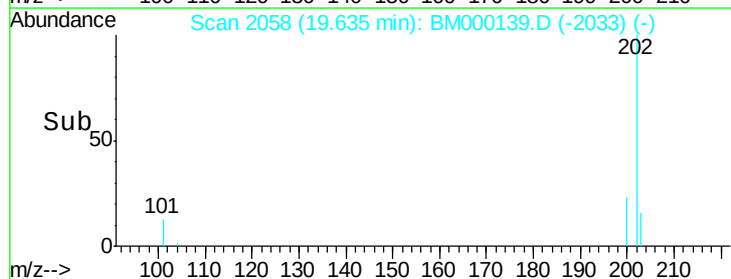
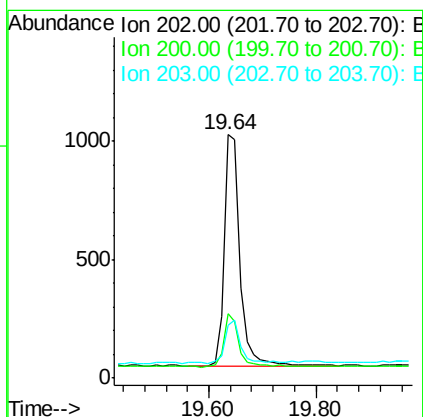
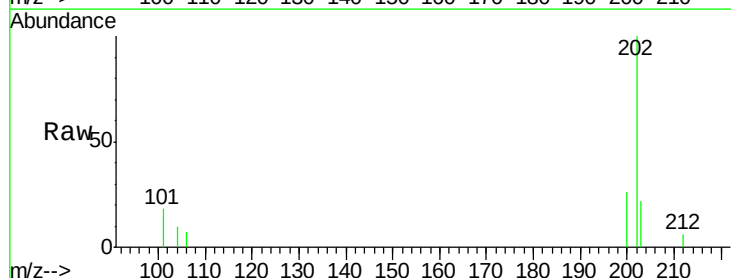
Instrument :
BNA_M
ClientSampleId :
MDL-04-S

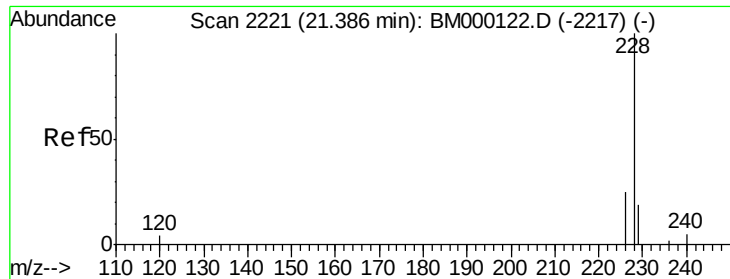
Tgt Ion:202 Resp: 1945
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.5
203 23.5 0.0 36.6



#17
Pyrene
Concen: 0.06 ng/ul
RT: 19.64 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM000139.D
Acq: 07 Jan 2015 22:21

Tgt Ion:202 Resp: 1994
Ion Ratio Lower Upper
202 100
200 26.5 17.9 26.9
203 21.9 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

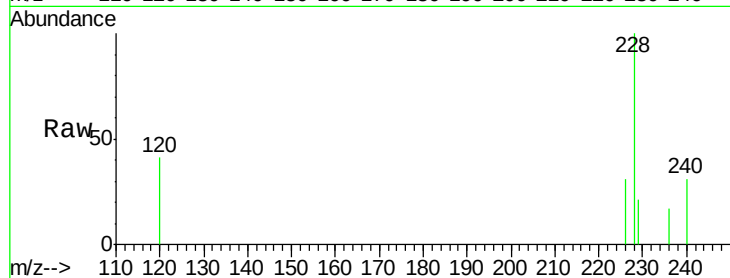
Tgt Ion:228 Resp: 1555

Ion Ratio Lower Upper

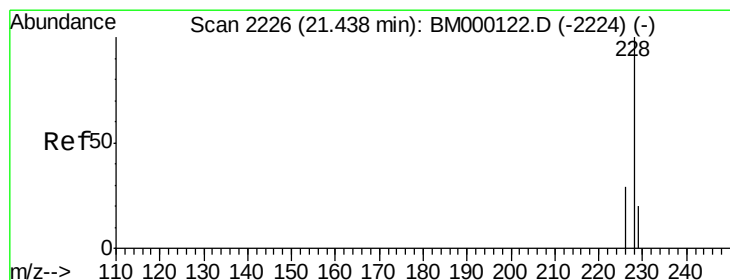
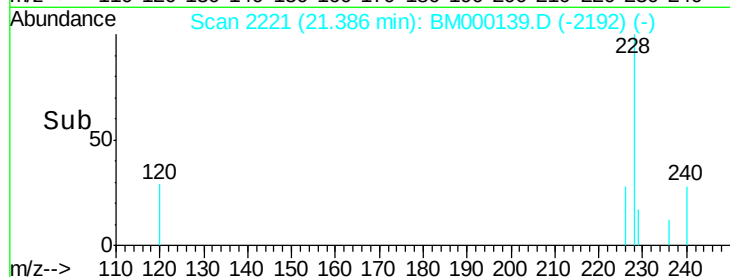
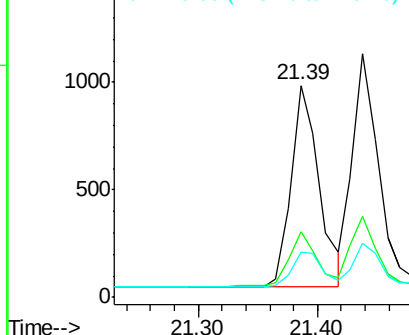
228 100

226 31.3 20.8 31.2#

229 21.3 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: BM000139.D

Acq: 07 Jan 2015 22:21

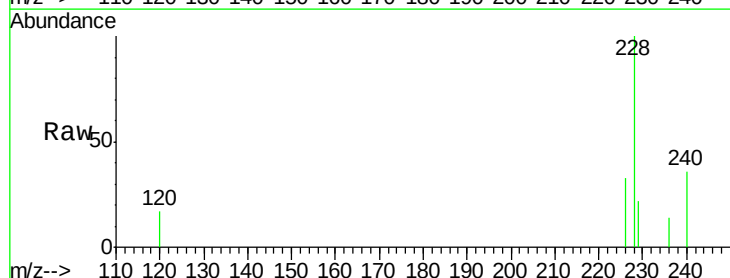
Tgt Ion:228 Resp: 1738

Ion Ratio Lower Upper

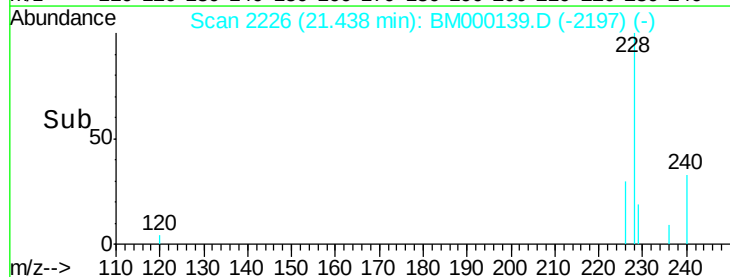
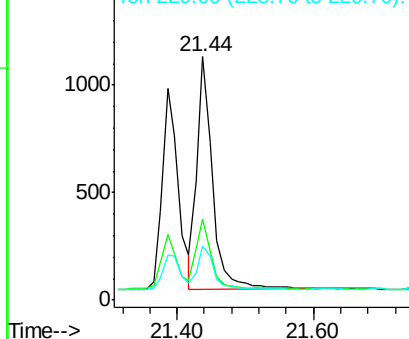
228 100

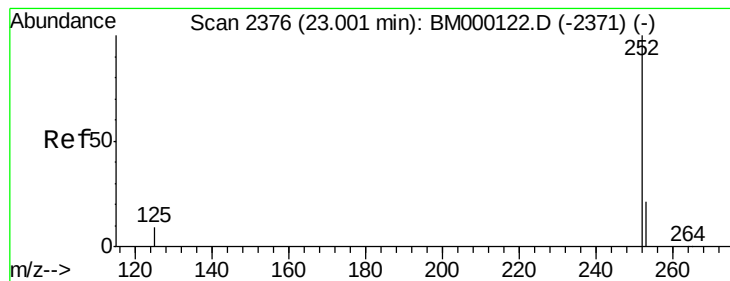
226 33.1 23.8 35.6

229 22.2 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: 23.01 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

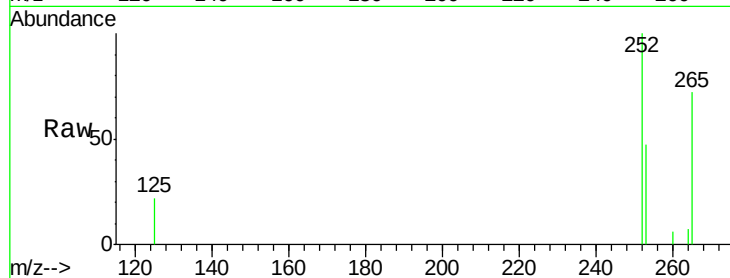
Tgt Ion:252 Resp: 1617

Ion Ratio Lower Upper

252 100

253 46.9 0.0 48.2

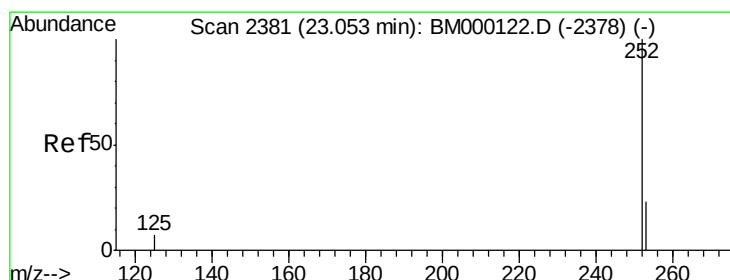
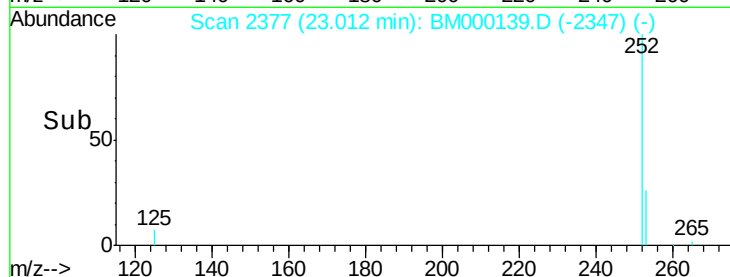
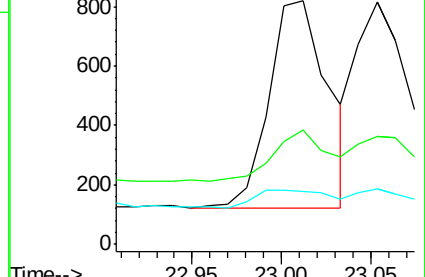
125 21.9 0.0 21.6#



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/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

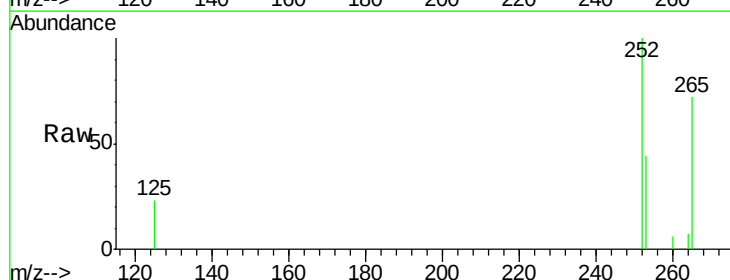
Tgt Ion:252 Resp: 1568

Ion Ratio Lower Upper

252 100

253 44.4 20.5 30.7#

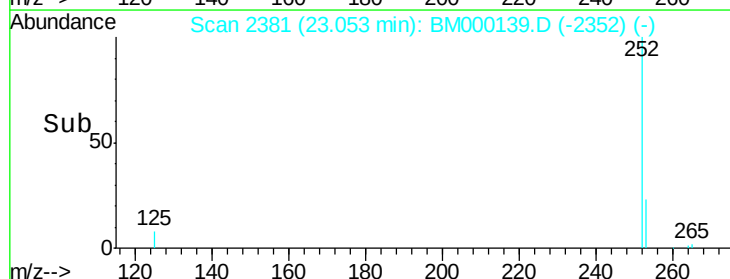
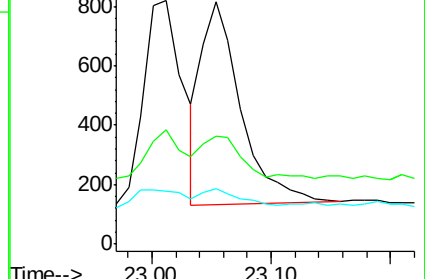
125 22.8 7.8 11.8#

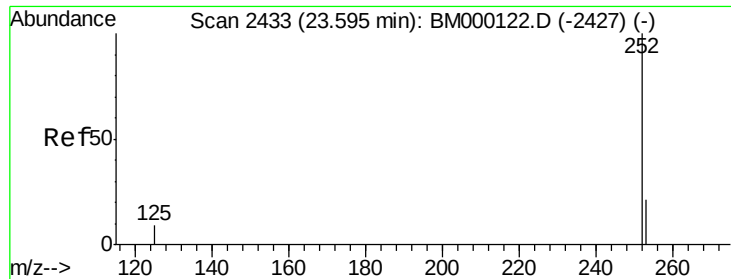


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM000139.D

Acq: 07 Jan 2015 22:21

Instrument :

BNA_M

ClientSampleId :

MDL-04-S

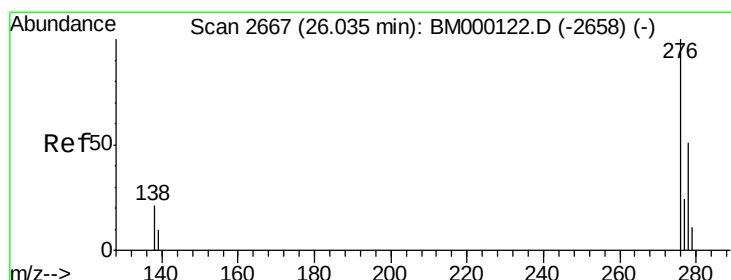
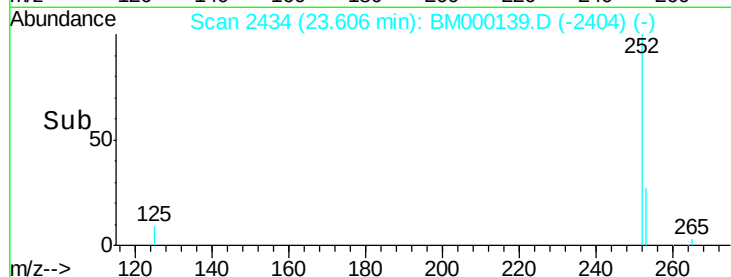
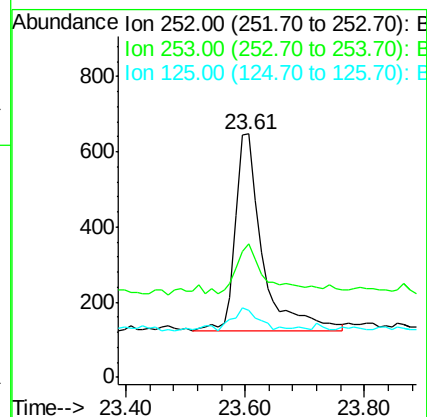
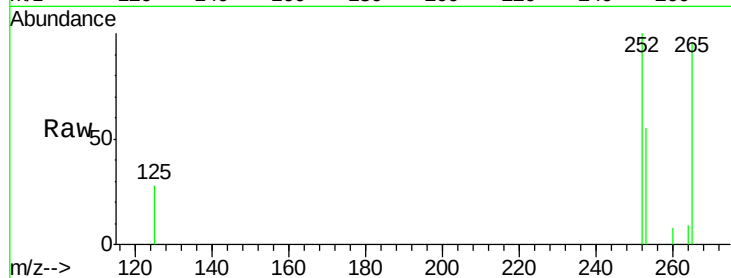
Tgt Ion:252 Resp: 1657

Ion Ratio Lower Upper

252 100

253 54.6 19.8 29.6#

125 27.6 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: BM000139.D

Acq: 07 Jan 2015 22:21

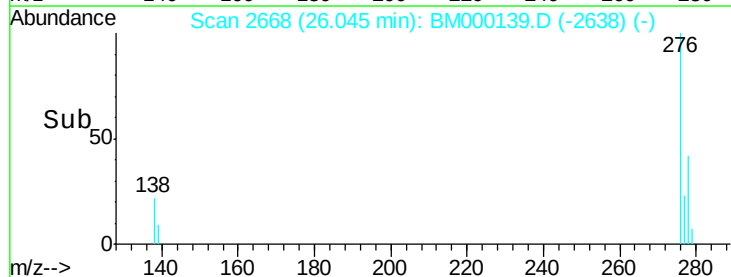
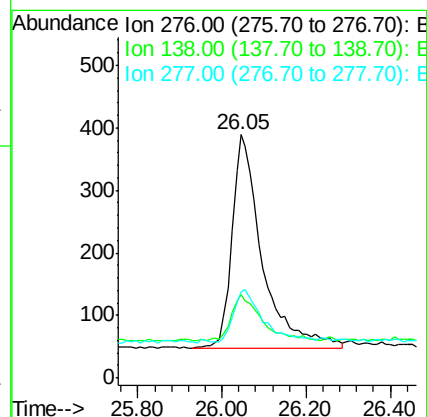
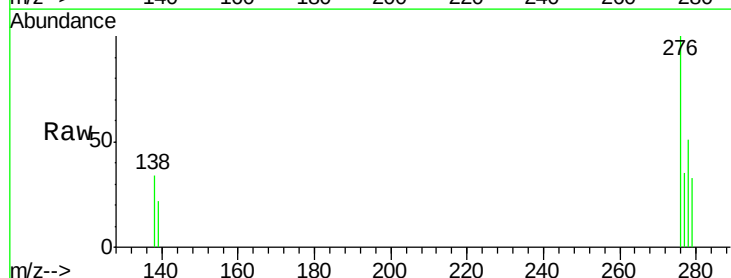
Tgt Ion:276 Resp: 1688

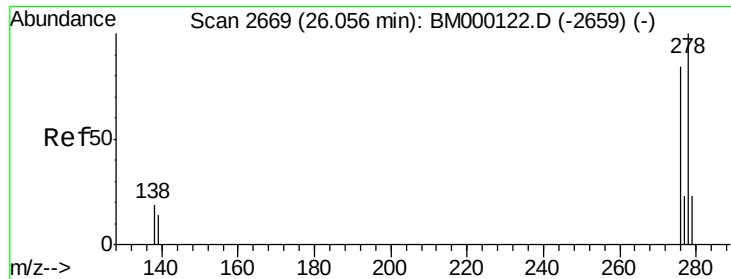
Ion Ratio Lower Upper

276 100

138 22.0 17.6 26.4

277 24.3 19.9 29.9

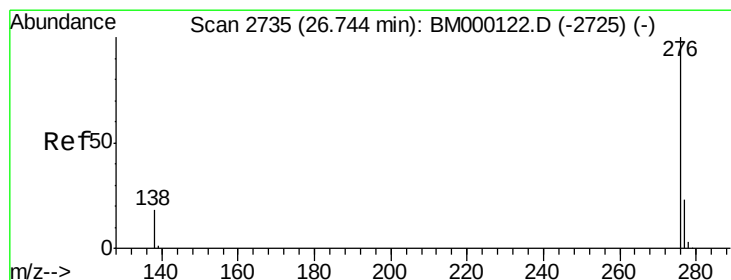
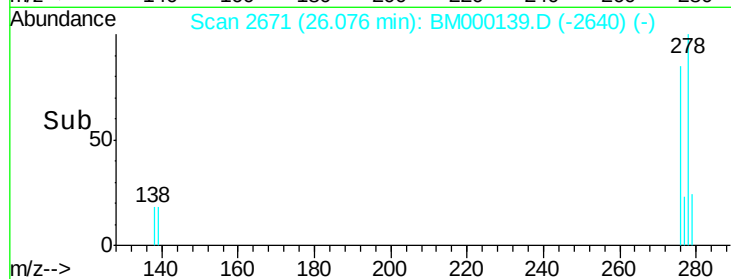
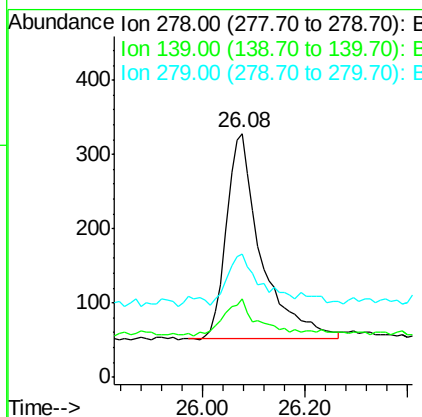
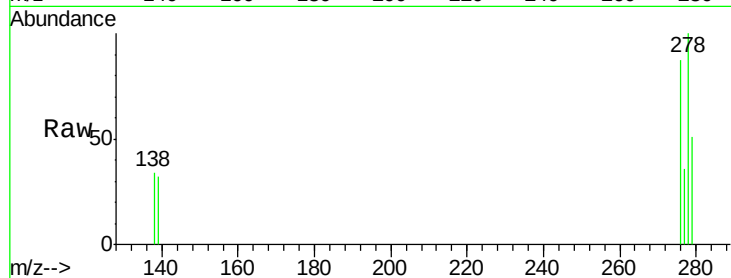




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.08 min Scan# 2671
Delta R.T. 0.02 min
Lab File: BM000139.D
Acq: 07 Jan 2015 22:21

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Tgt Ion: 278 Resp: 1300
Ion Ratio Lower Upper
278 100
139 32.0 12.6 18.8#
279 50.6 20.6 30.8#



#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: BM000139.D
Acq: 07 Jan 2015 22:21

Tgt Ion: 276 Resp: 1548
Ion Ratio Lower Upper
276 100
277 36.1 20.0 30.0#
138 34.4 15.7 23.5#

