

Data Path : Z:\HPCHEM1\BNA_M\Data\BM010715\
 Data File : BM000127.D
 Acq On : 07 Jan 2015 14:05
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 08 03:32:22 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	3303	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	11043	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	6694	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	11478	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8297	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	7393	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	5421	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	8069	0.33	ng/ul	0.00

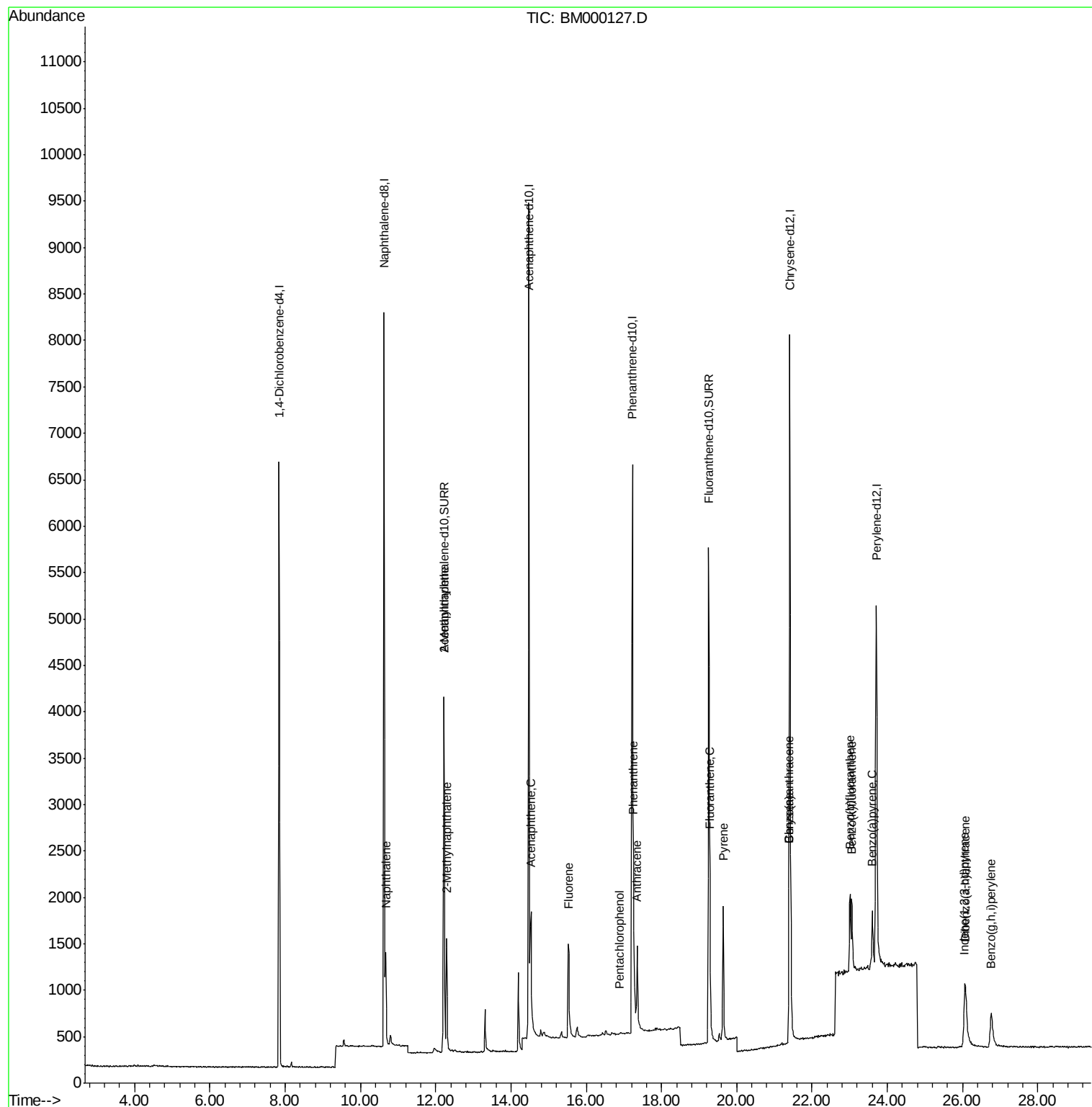
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	1446	0.05	ng/ul#	89
5) 2-Methylnaphthalene	12.29	142	946	0.05	ng/ul	99
7) Acenaphthylene	12.22	152	5421	0.36	ng/ul	98
8) Acenaphthene	14.54	153	986	0.05	ng/ul	94
9) Fluorene	15.54	166	1135	0.05	ng/ul#	92
11) Pentachlorophenol	16.88	266	32	0.02	ng/ul#	84
12) Phenanthrene	17.26	178	1675	0.05	ng/ul#	86
13) Anthracene	17.35	178	1544	0.05	ng/ul#	82
15) Fluoranthene	19.28	202	1857	0.05	ng/ul	89
17) Pyrene	19.65	202	1871	0.05	ng/ul#	93
18) Benzo(a)anthracene	21.39	228	1359	0.05	ng/ul#	89
19) Chrysene	21.39	228	1359	0.05	ng/ul	94
21) Benzo(b)fluoranthene	23.01	252	1364	0.05	ng/ul#	56
22) Benzo(k)fluoranthene	23.05	252	1429	0.05	ng/ul#	56
23) Benzo(a)pyrene	23.61	252	1445	0.05	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	26.04	276	1547	0.05	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.08	278	1242	0.05	ng/ul#	40
26) Benzo(g,h,i)perylene	26.75	276	1377	0.05	ng/ul#	73

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

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. -0.00 min

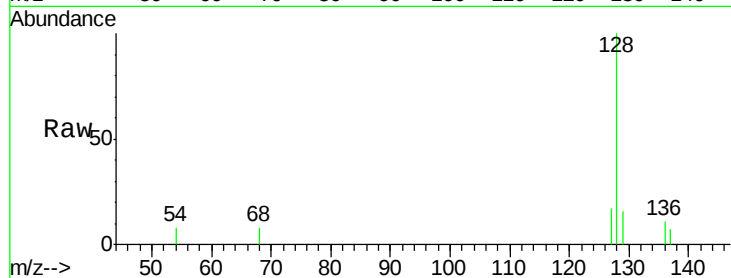
Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampled :



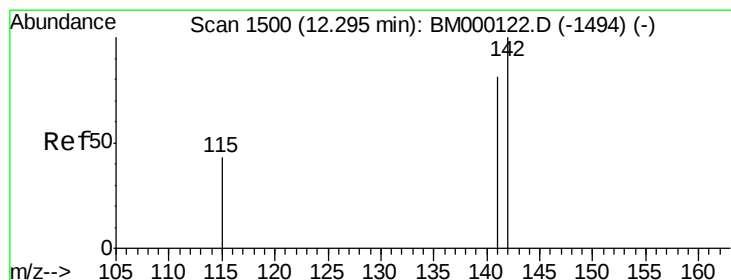
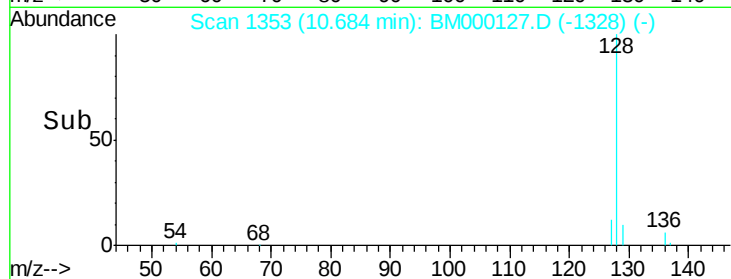
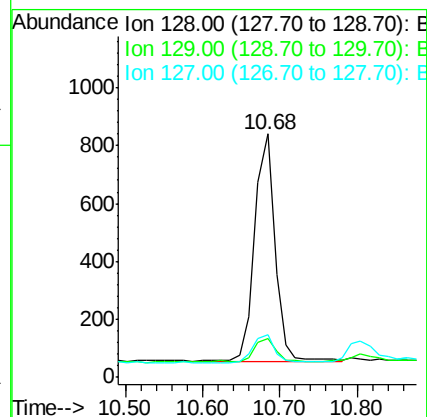
Tgt Ion:128 Resp: 1446

Ion Ratio Lower Upper

128 100

129 15.9 9.5 14.3#

127 17.4 10.4 15.6#



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BM000127.D

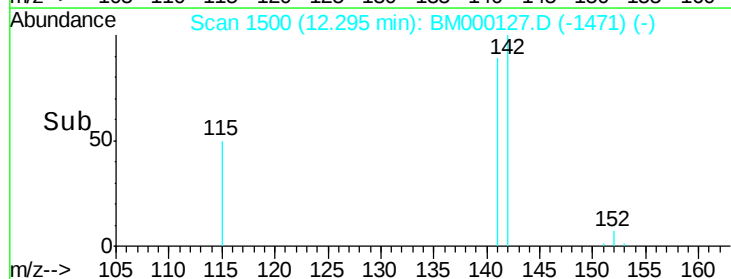
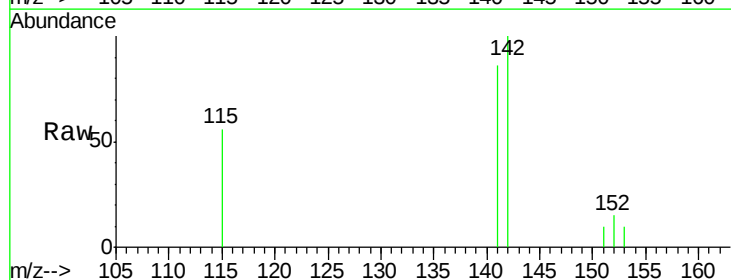
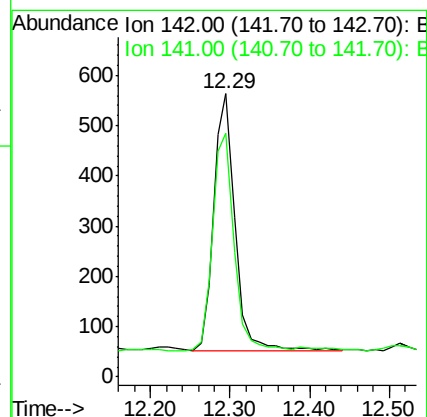
Acq: 07 Jan 2015 14:05

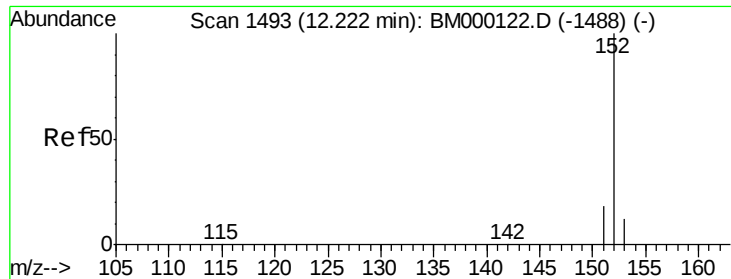
Tgt Ion:142 Resp: 946

Ion Ratio Lower Upper

142 100

141 85.4 68.9 103.3





#7

Acenaphthylene

Concen: 0.36 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

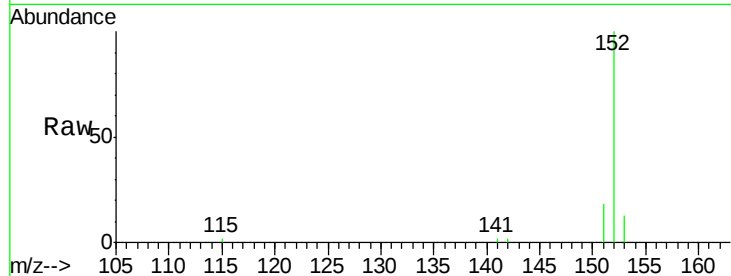
Tgt Ion:152 Resp: 5421

Ion Ratio Lower Upper

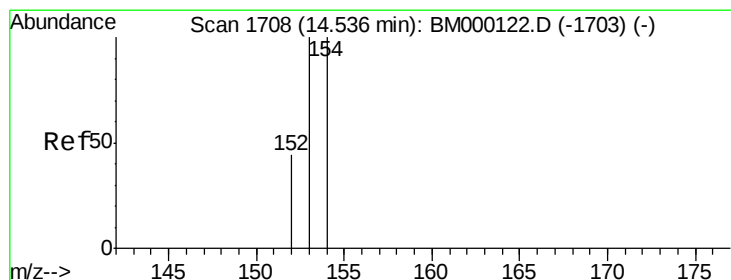
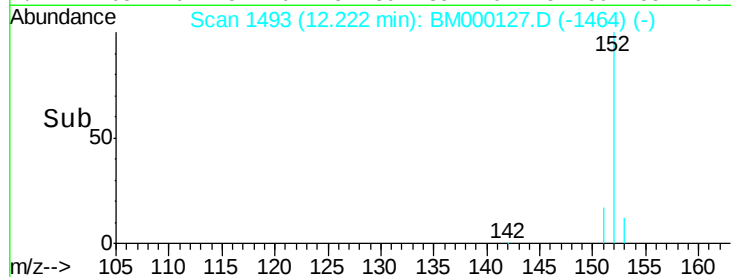
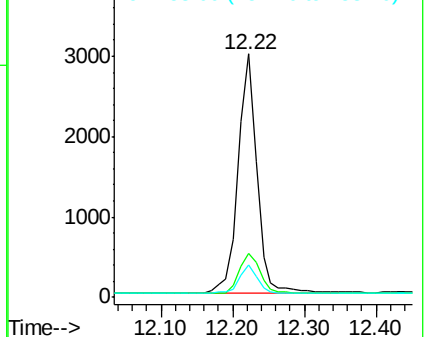
152 100

151 18.0 15.4 23.2

153 13.2 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: 0.05 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

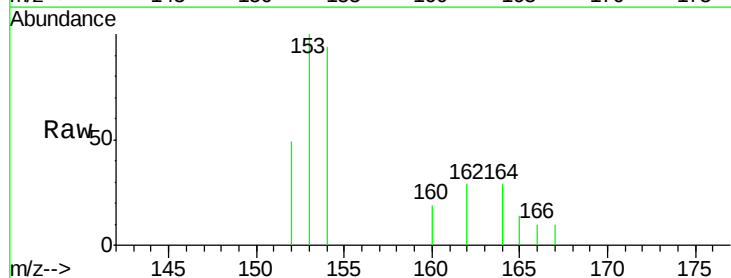
Tgt Ion:153 Resp: 986

Ion Ratio Lower Upper

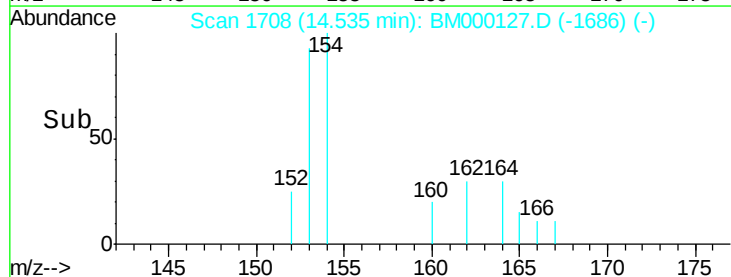
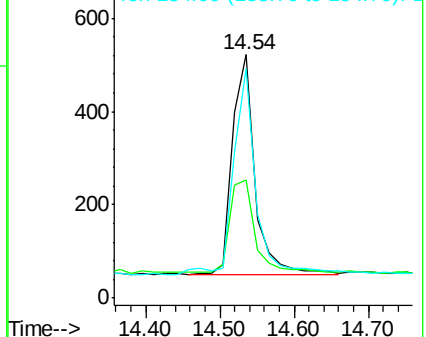
153 100

152 48.7 35.8 53.6

154 94.4 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

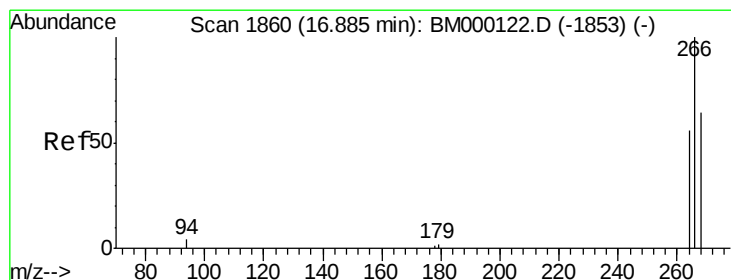
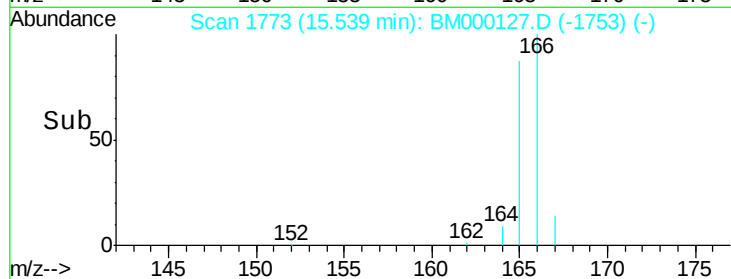
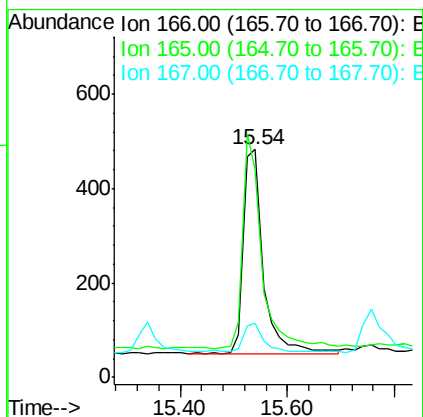
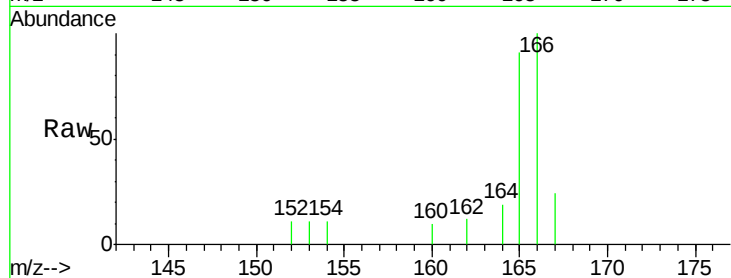




#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.54 min Scan# 1773
 Delta R.T. 0.02 min
 Lab File: BM000127.D
 Acq: 07 Jan 2015 14:05

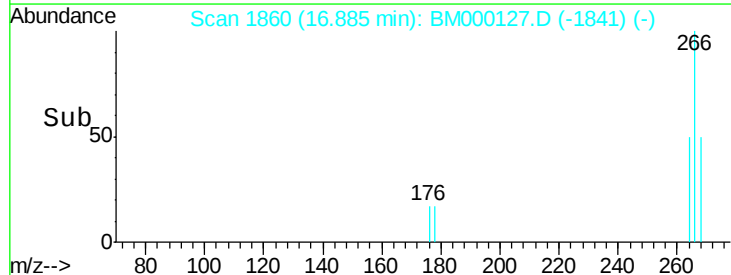
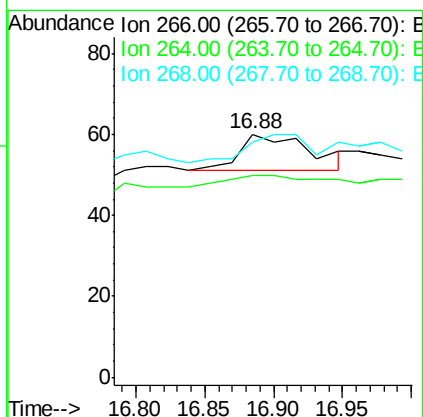
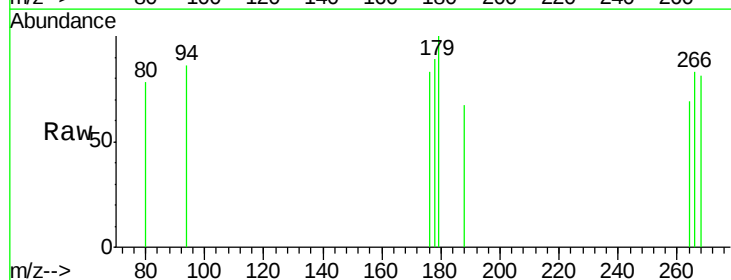
Instrument :
 BNA_M
 ClientSampleId :

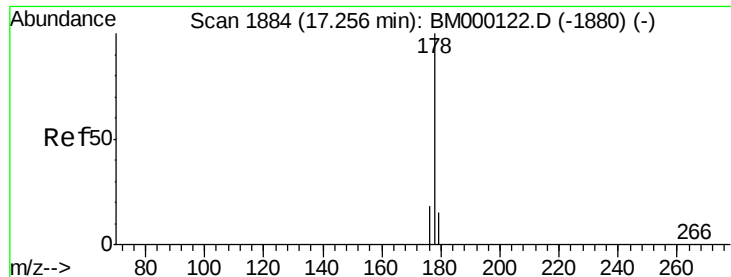
Tgt Ion:166 Resp: 1135
 Ion Ratio Lower Upper
 166 100
 165 91.3 77.0 115.4
 167 24.0 11.0 16.6#



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.88 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM000127.D
 Acq: 07 Jan 2015 14:05

Tgt Ion:266 Resp: 32
 Ion Ratio Lower Upper
 266 100
 264 46.9 53.9 80.9#
 268 65.6 49.2 73.8





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

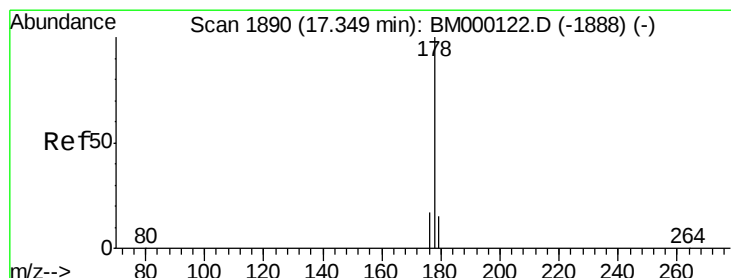
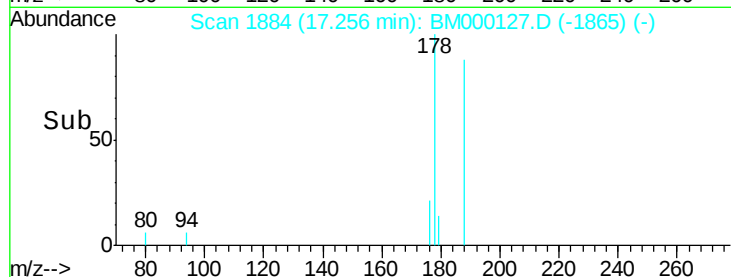
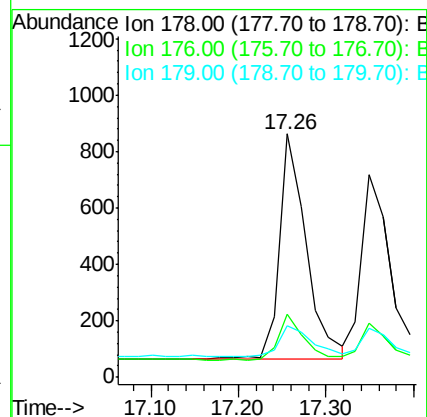
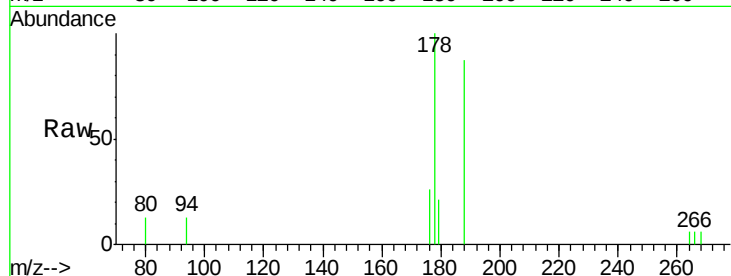
Tgt Ion:178 Resp: 1675

Ion Ratio Lower Upper

178 100

176 26.1 15.1 22.7#

179 21.0 13.0 19.4#



#13

Anthracene

Concen: 0.05 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

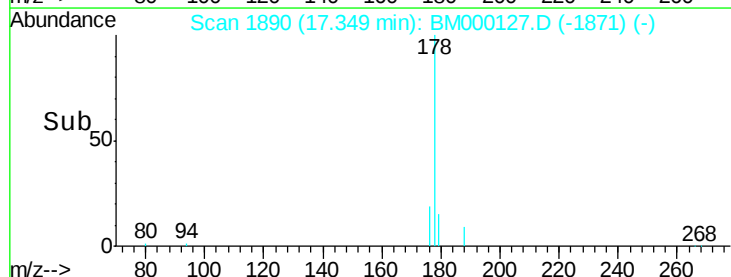
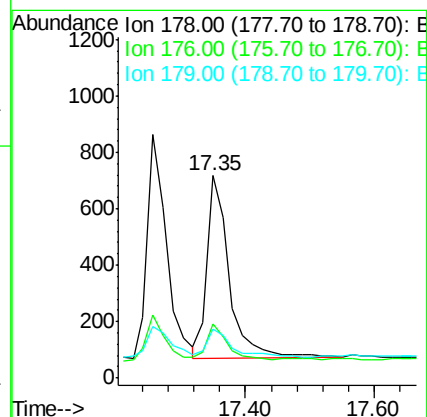
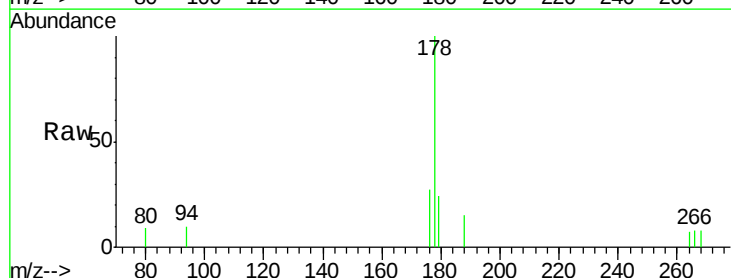
Tgt Ion:178 Resp: 1544

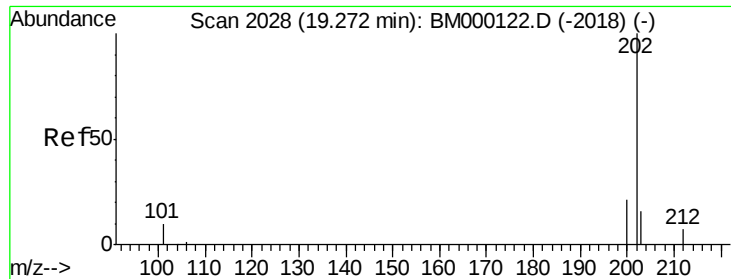
Ion Ratio Lower Upper

178 100

176 26.5 14.6 21.8#

179 24.0 13.1 19.7#





#15

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.28 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

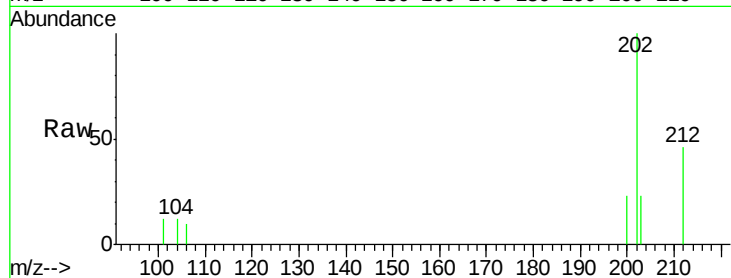
Tgt Ion:202 Resp: 1857

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.5

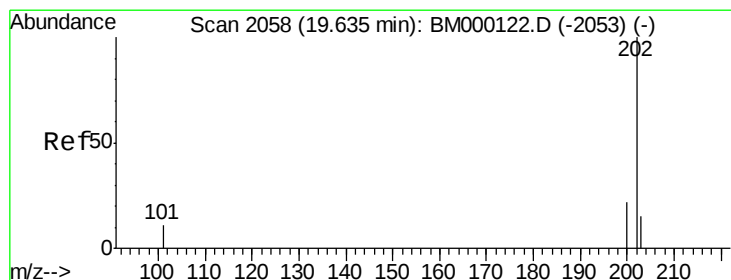
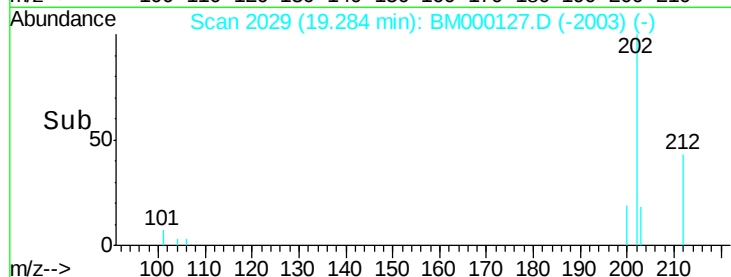
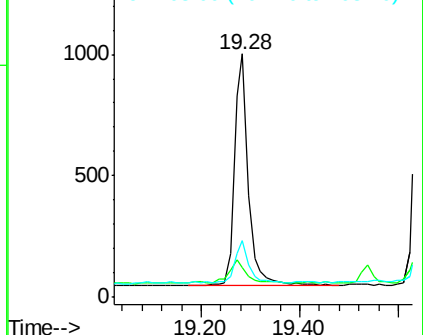
203 23.2 0.0 36.6



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: 0.05 ng/ul

RT: 19.65 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

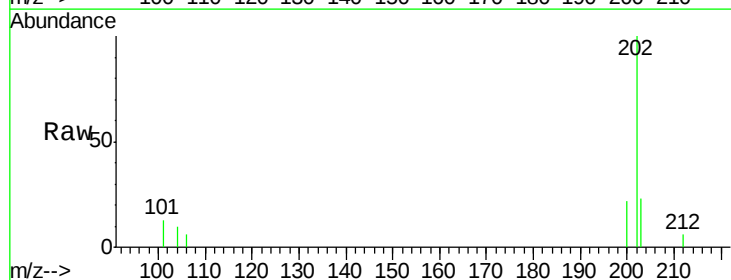
Tgt Ion:202 Resp: 1871

Ion Ratio Lower Upper

202 100

200 22.3 17.9 26.9

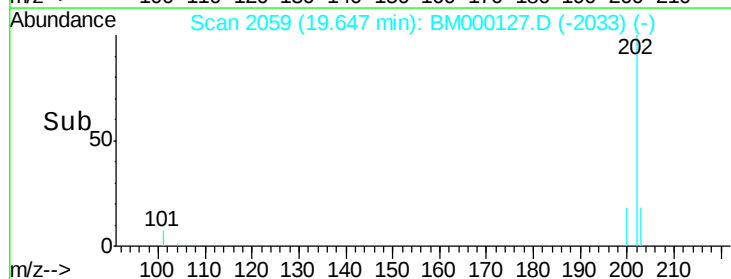
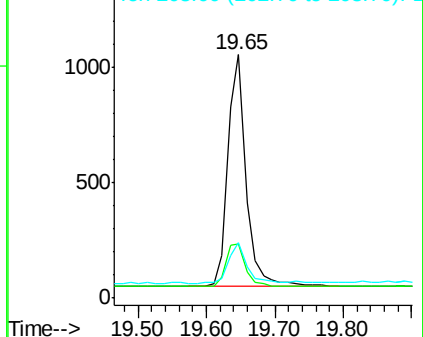
203 22.9 12.8 19.2#



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: 0.05 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

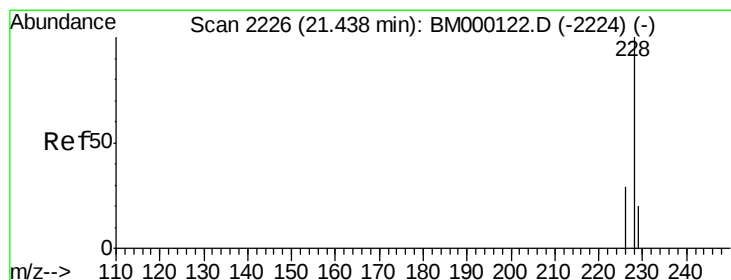
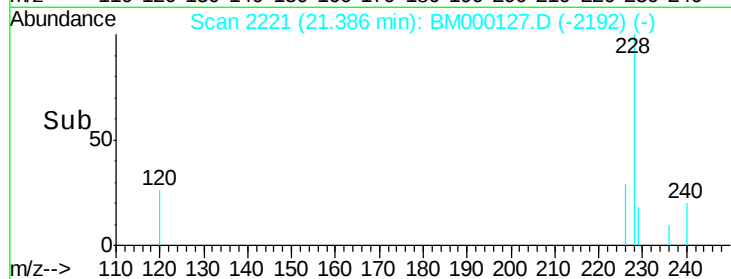
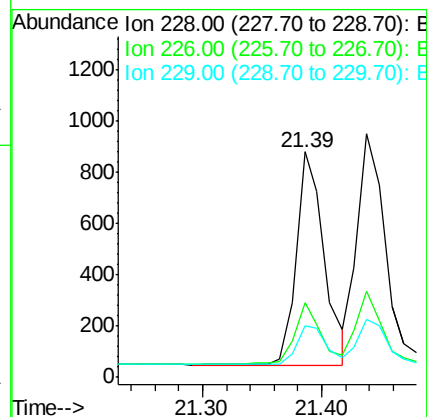
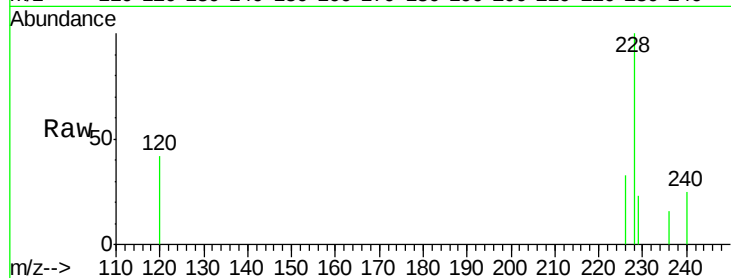
Tgt Ion:228 Resp: 1359

Ion Ratio Lower Upper

228 100

226 33.1 20.8 31.2#

229 22.9 15.5 23.3



#19

Chrysene

Concen: 0.05 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. -0.05 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

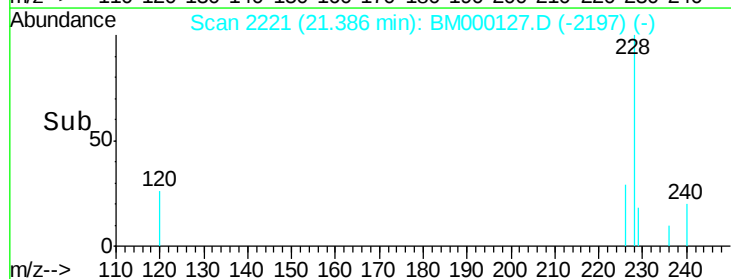
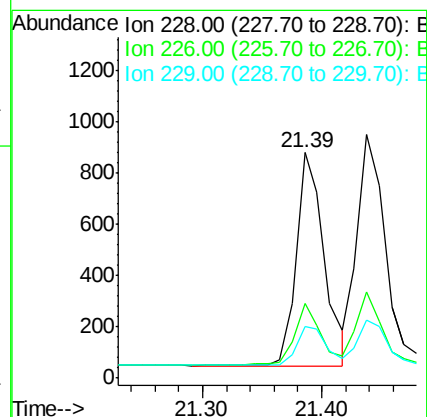
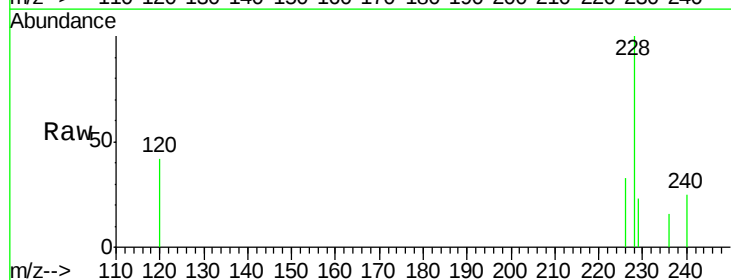
Tgt Ion:228 Resp: 1359

Ion Ratio Lower Upper

228 100

226 33.1 23.8 35.6

229 22.9 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 23.01 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

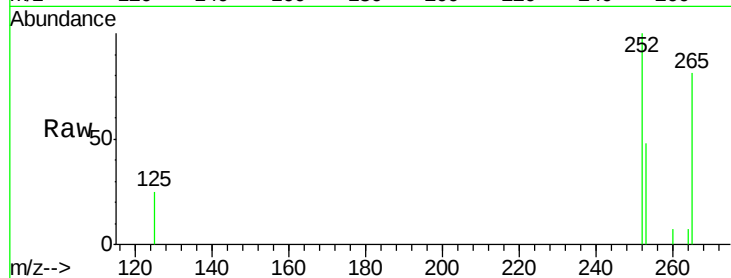
Tgt Ion:252 Resp: 1364

Ion Ratio Lower Upper

252 100

253 47.6 0.0 48.2

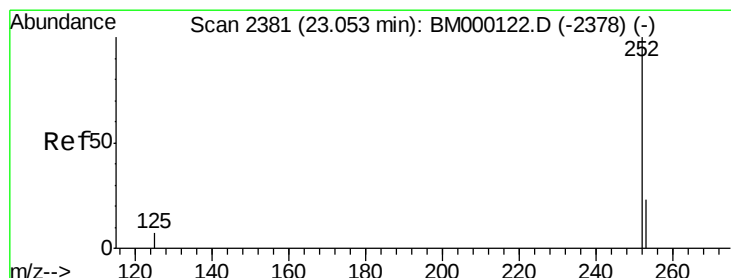
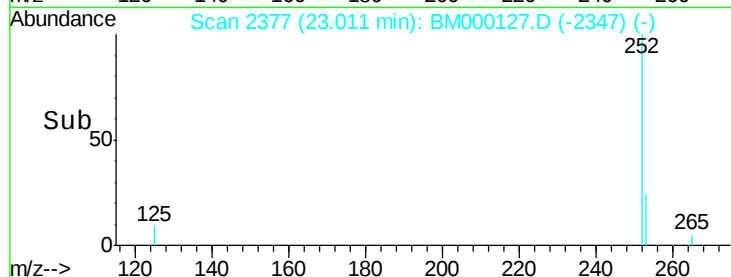
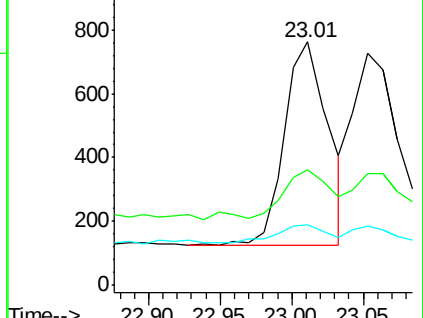
125 24.7 0.0 21.6#



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: 0.05 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

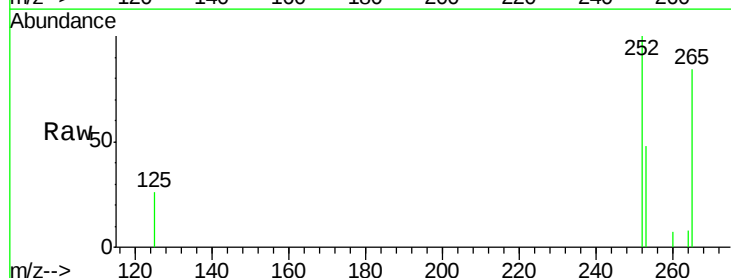
Tgt Ion:252 Resp: 1429

Ion Ratio Lower Upper

252 100

253 47.9 20.5 30.7#

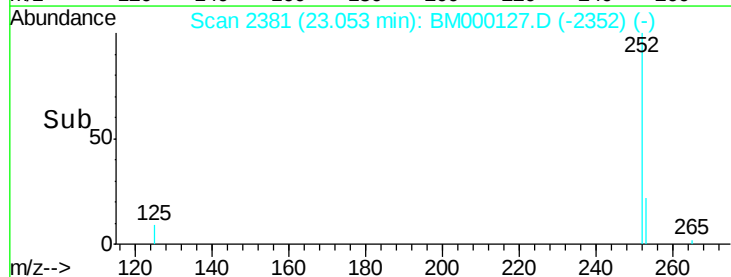
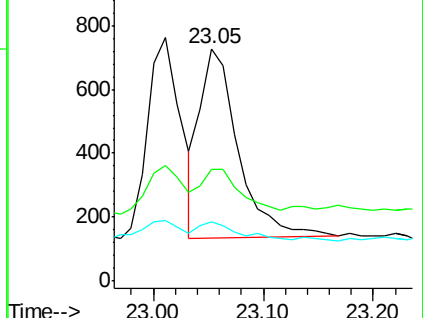
125 25.7 7.8 11.8#

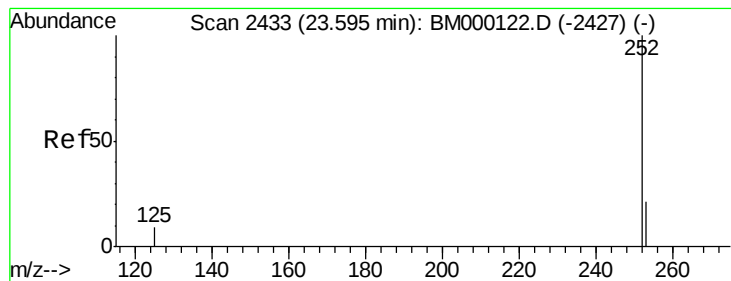


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.61 min Scan# 2434

Delta R.T. 0.01 min

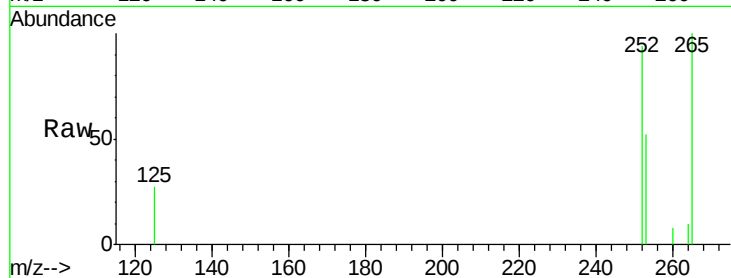
Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :



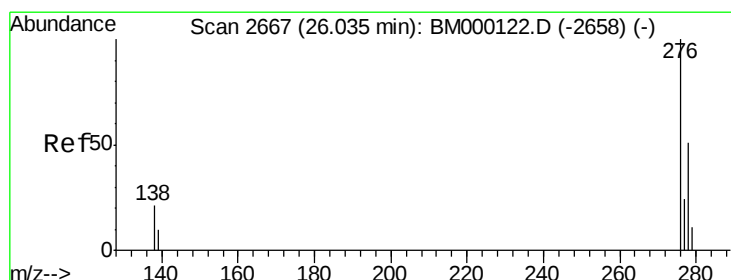
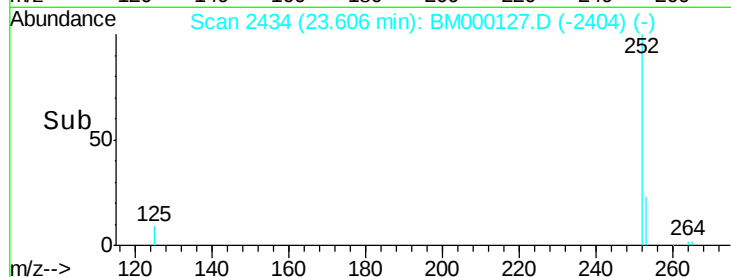
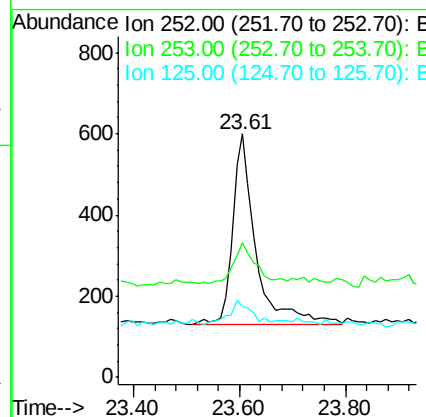
Tgt Ion: 252 Resp: 1445

Ion Ratio Lower Upper

252 100

253 55.2 19.8 29.6#

125 29.0 9.2 13.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 26.04 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

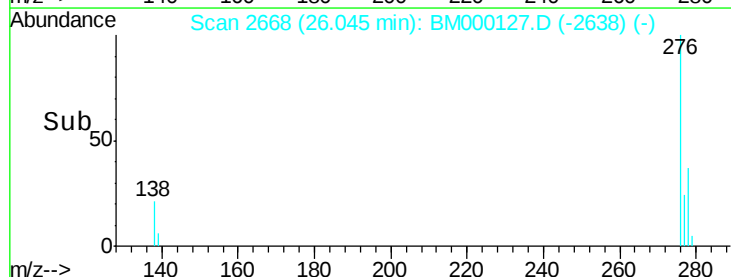
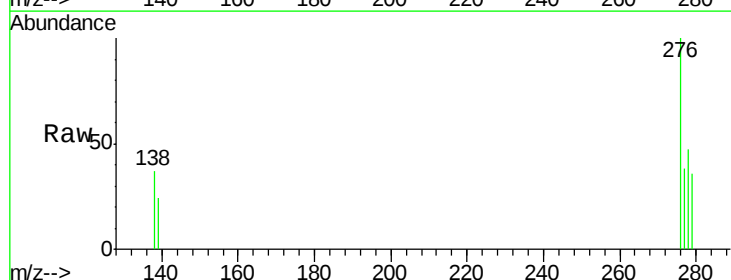
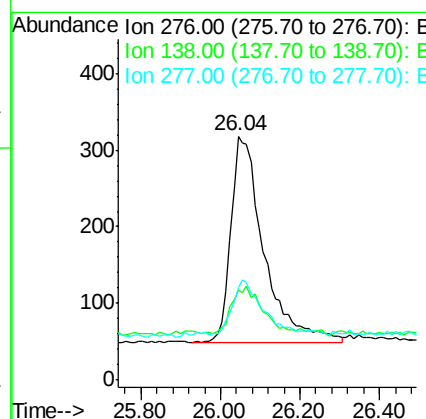
Tgt Ion: 276 Resp: 1547

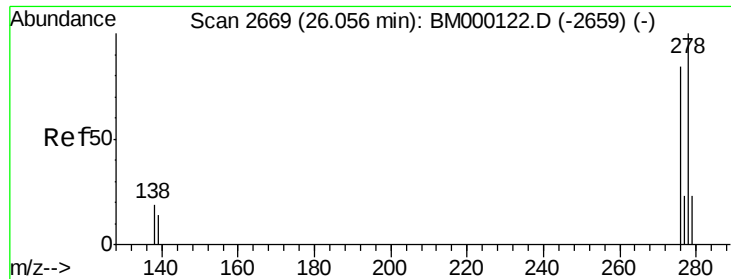
Ion Ratio Lower Upper

276 100

138 0.0 17.6 26.4#

277 24.7 19.9 29.9

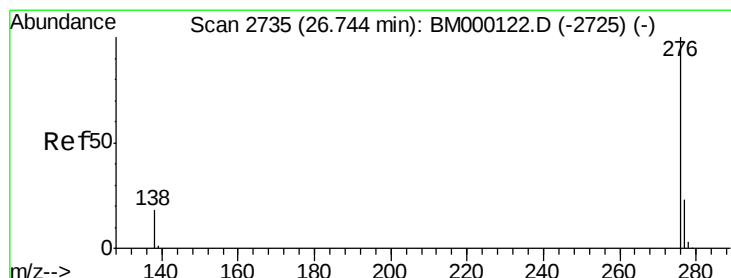
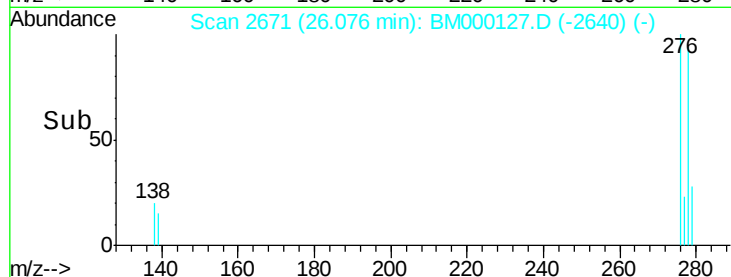
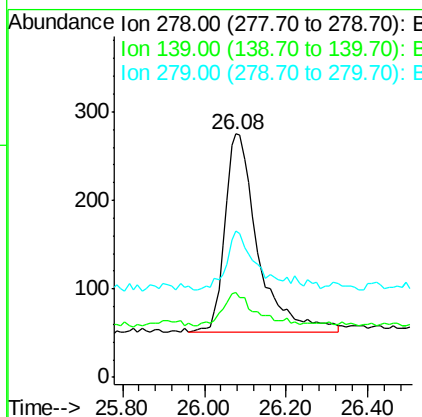
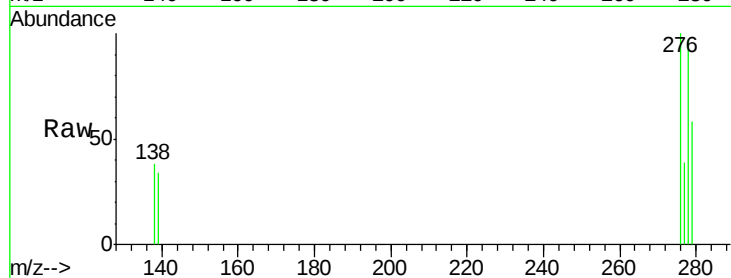




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.08 min Scan# 2671
Delta R.T. 0.02 min
Lab File: BM000127.D
Acq: 07 Jan 2015 14:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 1242
Ion Ratio Lower Upper
278 100
139 34.9 12.6 18.8#
279 60.4 20.6 30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.75 min Scan# 2736
Delta R.T. 0.01 min
Lab File: BM000127.D
Acq: 07 Jan 2015 14:05

Tgt Ion: 276 Resp: 1377
Ion Ratio Lower Upper
276 100
277 36.8 20.0 30.0#
138 33.5 15.7 23.5#

