

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021115\
 Data File : BM000492.D
 Acq On : 12 Feb 2015 00:32
 Operator : TP/IZ
 Sample : G1249-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FL6

Quant Time: Feb 12 01:39:07 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 23:58:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	3248	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	11661	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8052	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	1289847	0.40	ng/ul	0.11
16) Chrysene-d12	21.29	240	13329	0.40	ng/ul	-0.01
20) Perylene-d12	23.39	264	925752	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	7949	0.51	ng/ul	0.00
14) Fluoranthene-d10	19.50	212	1262778	0.44	ng/ul	0.36

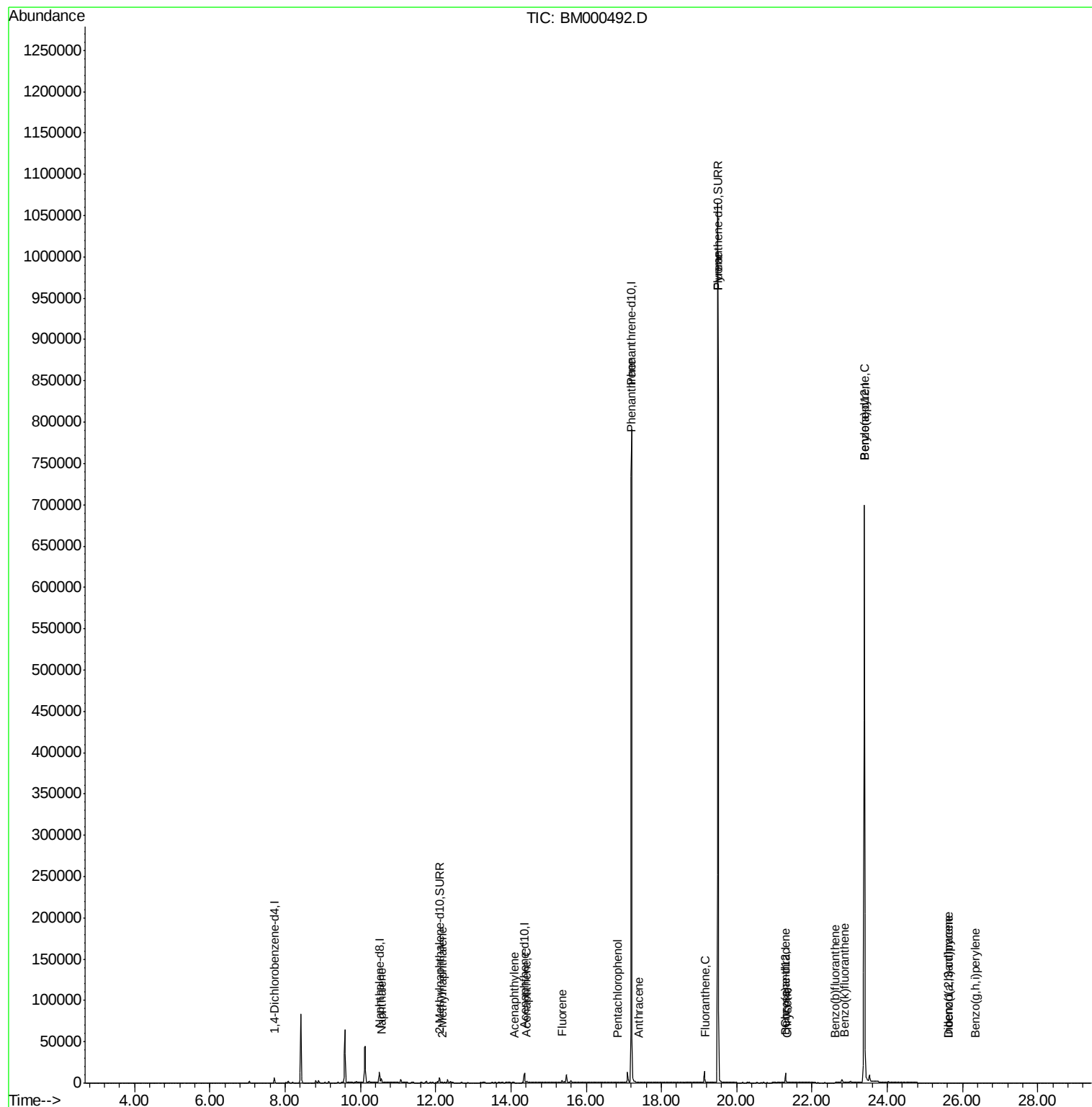
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	5224	0.18	ng/ul#	83
5) 2-Methylnaphthalene	12.17	142	432	0.02	ng/ul	94
7) Acenaphthylene	14.09	152	214	0.01	ng/ul#	1
8) Acenaphthene	14.41	153	881	0.04	ng/ul	95
9) Fluorene	15.35	166	2558	0.09	ng/ul#	19
11) Pentachlorophenol	16.82	266	14	0.00	ng/ul#	19
12) Phenanthrene	17.19	178	781	0.00	ng/ul#	1
13) Anthracene	17.40	178	109	0.00	ng/ul#	1
15) Fluoranthene	19.16	202	547	0.00	ng/ul#	47
17) Pyrene	19.50	202	2658	0.05	ng/ul#	1
18) Benzo(a)anthracene	21.28	228	305	0.01	ng/ul#	41
19) Chrysene	21.33	228	288	0.01	ng/ul#	44
21) Benzo(b)fluoranthene	22.62	252	393	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.86	252	280	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	4198	0.00	ng/ul#	41
24) Indeno(1,2,3-cd)pyrene	25.63	276	11	0.00	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.62	278	21	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.34	276	5	0.00	ng/ul#	1

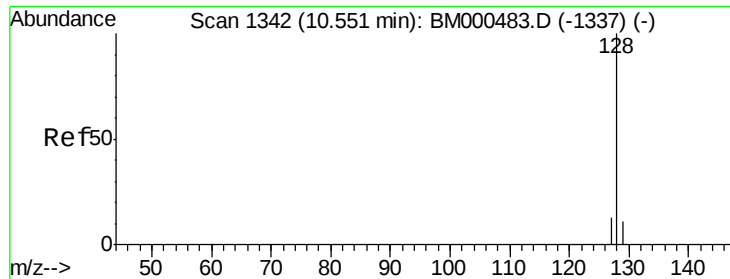
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.18 ng/ul

RT: 10.55 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

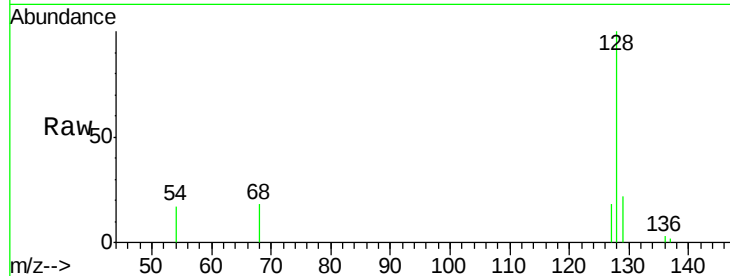
Tgt Ion:128 Resp: 5224

Ion Ratio Lower Upper

128 100

129 21.9 9.2 13.8#

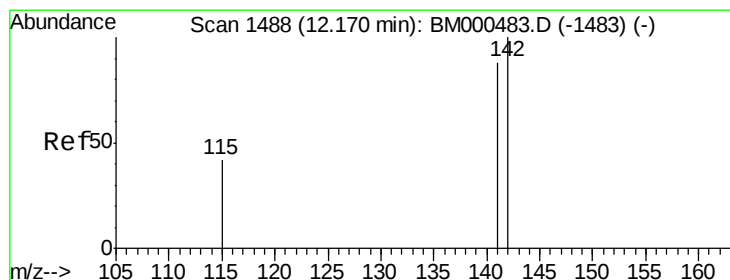
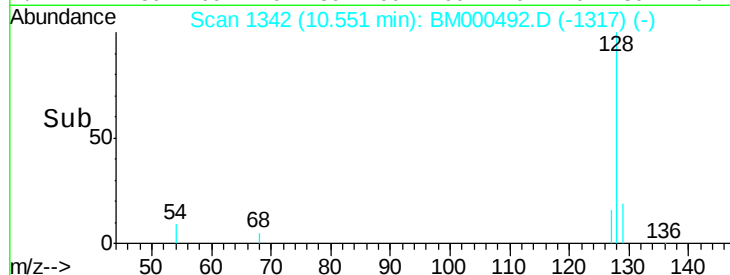
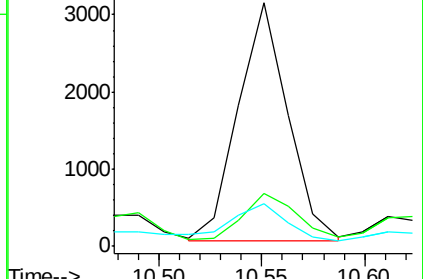
127 17.5 11.2 16.8#



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: 0.02 ng/ul

RT: 12.17 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM000492.D

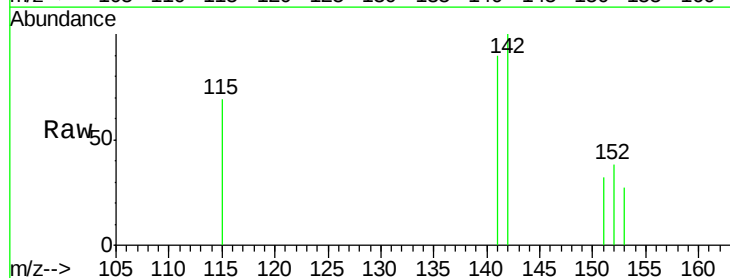
Acq: 12 Feb 2015 00:32

Tgt Ion:142 Resp: 432

Ion Ratio Lower Upper

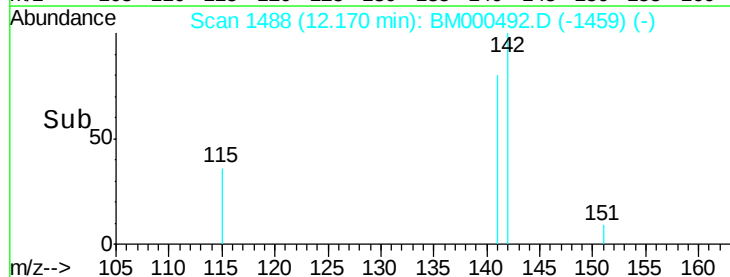
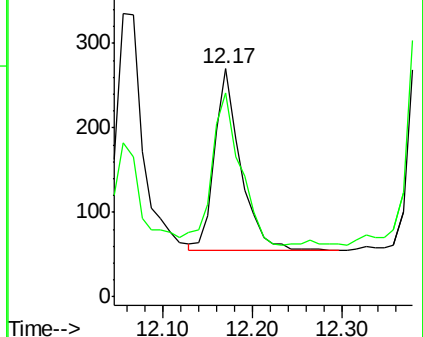
142 100

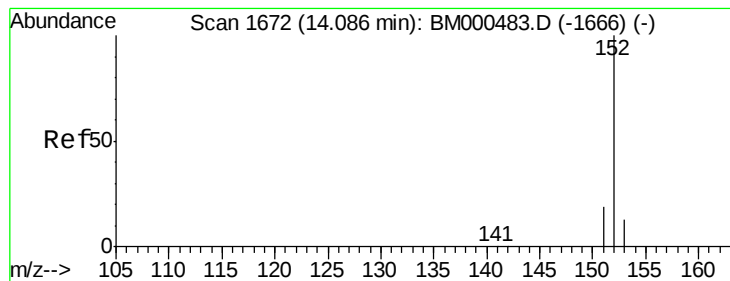
141 93.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

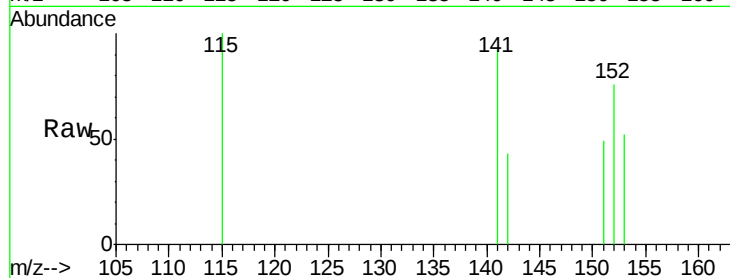
Tgt Ion:152 Resp: 214

Ion Ratio Lower Upper

152 100

151 64.5 16.1 24.1#

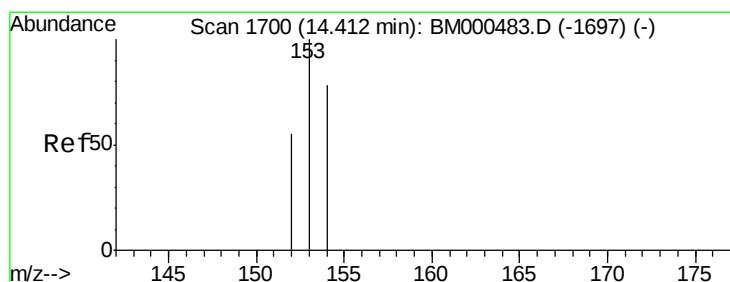
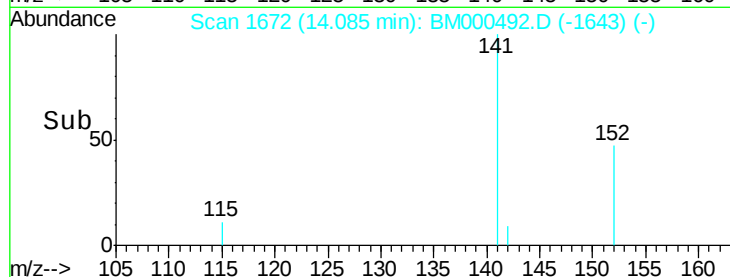
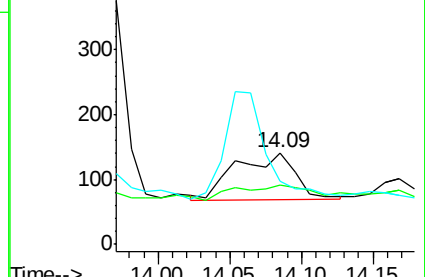
153 68.8 10.6 15.8#



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: 0.04 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

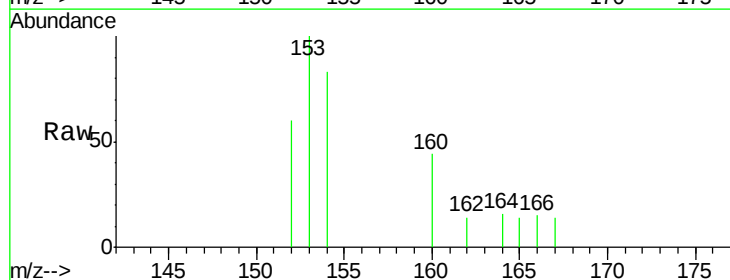
Tgt Ion:153 Resp: 881

Ion Ratio Lower Upper

153 100

152 59.8 45.6 68.4

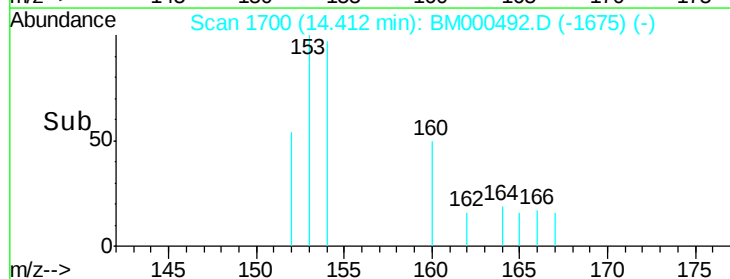
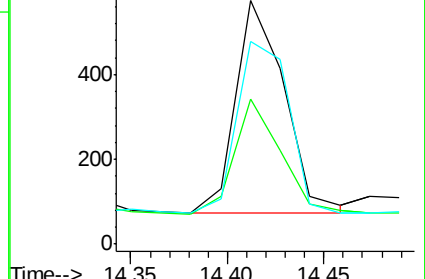
154 83.4 62.5 93.7

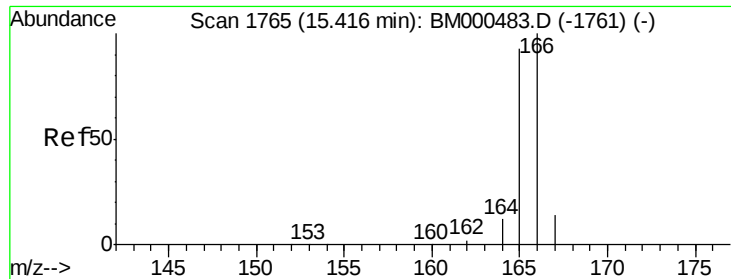


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.35 min Scan# 1761

Delta R.T. -0.06 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

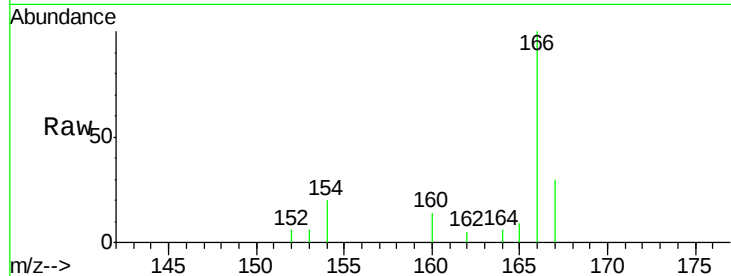
Tgt Ion:166 Resp: 2558

Ion Ratio Lower Upper

166 100

165 9.5 74.4 111.6#

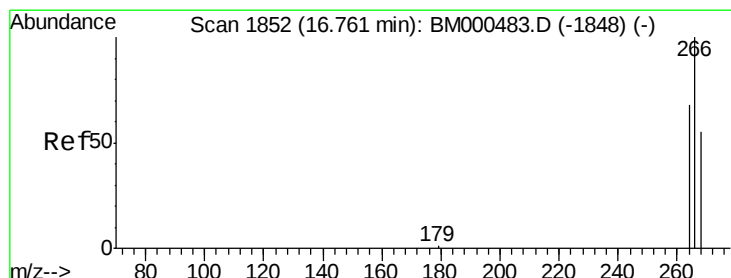
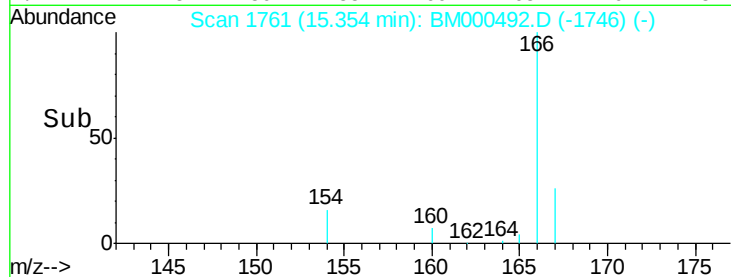
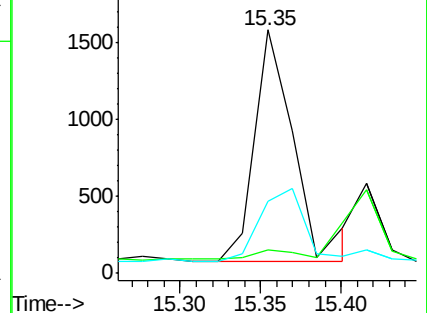
167 29.8 11.3 16.9#



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: 16.82 min Scan# 1856

Delta R.T. 0.06 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

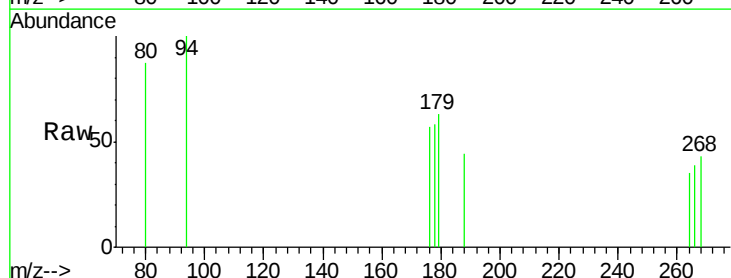
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 0.0 49.8 74.6#

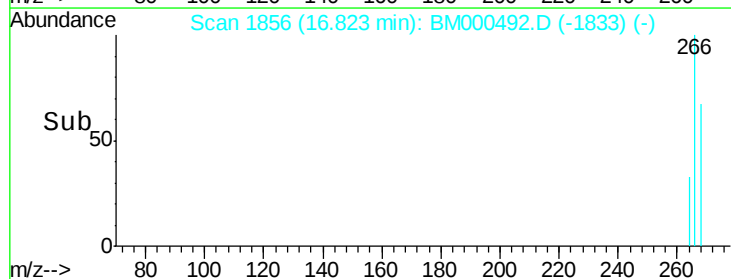
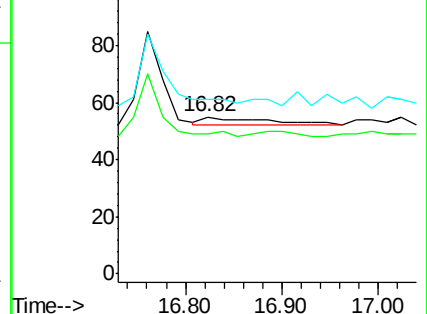
268 0.0 51.2 76.8#

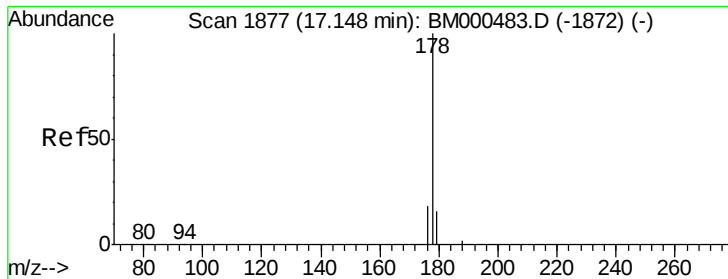


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1880

Delta R.T. 0.05 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

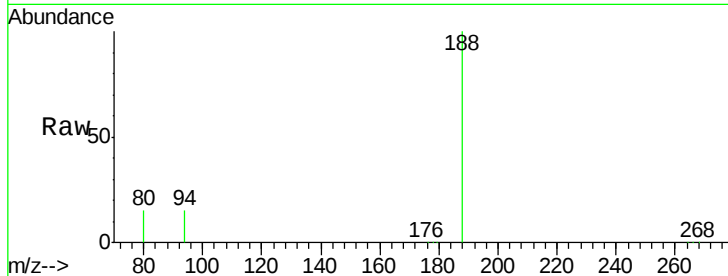
Tgt Ion:178 Resp: 781

Ion Ratio Lower Upper

178 100

176 23.1 15.0 22.4#

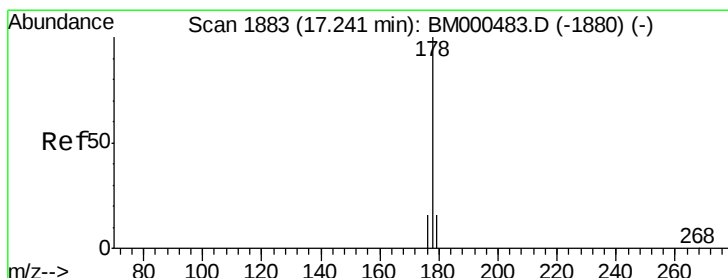
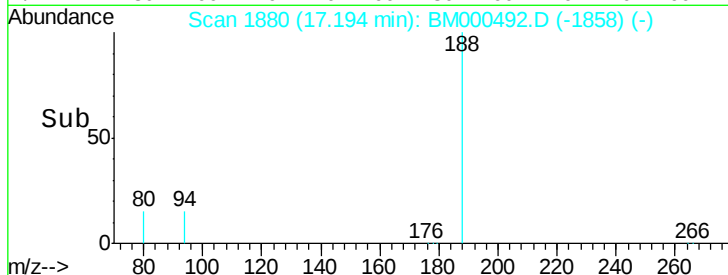
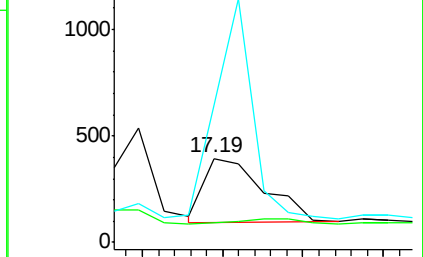
179 163.2 13.0 19.4#



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: 0.00 ng/ul

RT: 17.40 min Scan# 1893

Delta R.T. 0.15 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

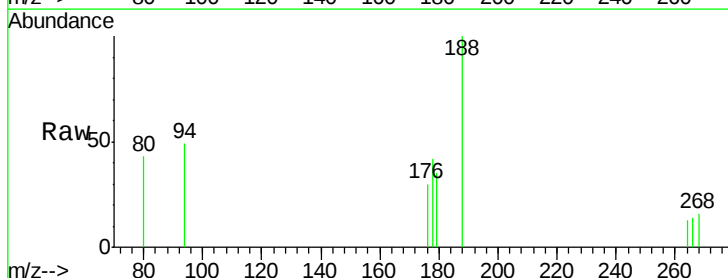
Tgt Ion:178 Resp: 109

Ion Ratio Lower Upper

178 100

176 73.1 13.9 20.9#

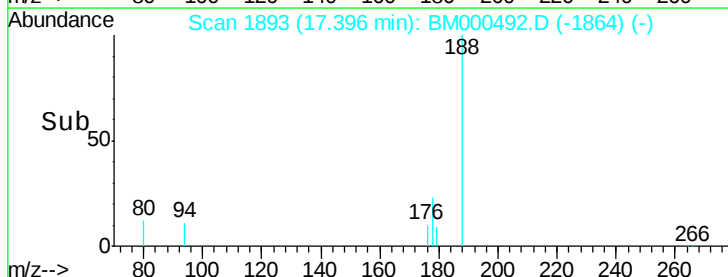
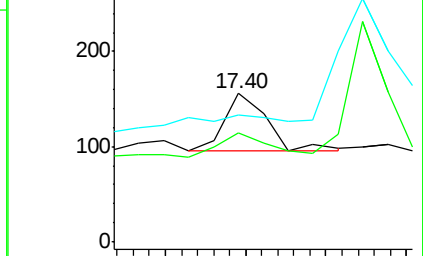
179 85.3 13.2 19.8#

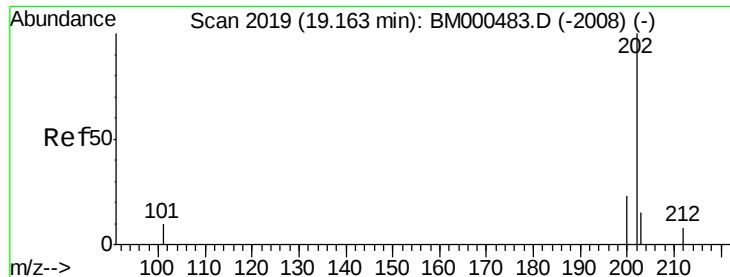


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.16 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampled :

A4FL6

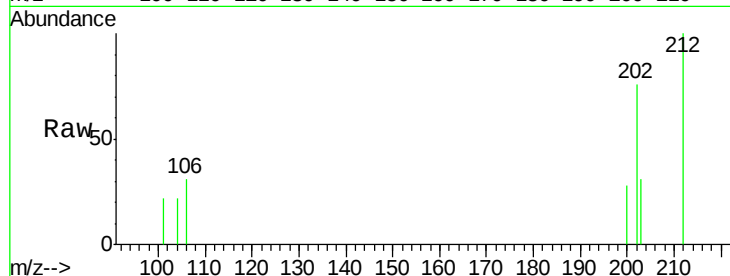
Tgt Ion:202 Resp: 547

Ion Ratio Lower Upper

202 100

101 28.7 0.0 24.6#

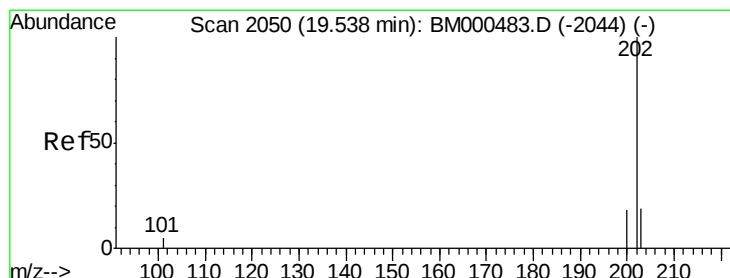
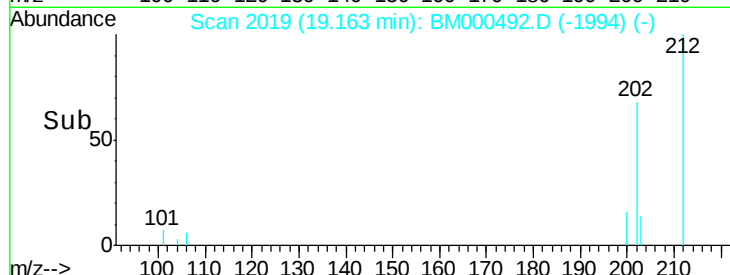
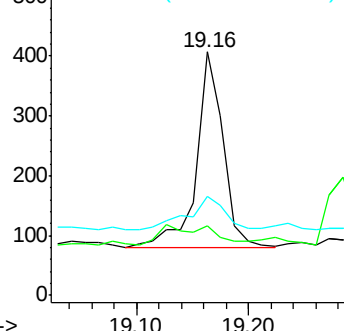
203 40.8 0.0 39.2#



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: 19.50 min Scan# 2047

Delta R.T. -0.04 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

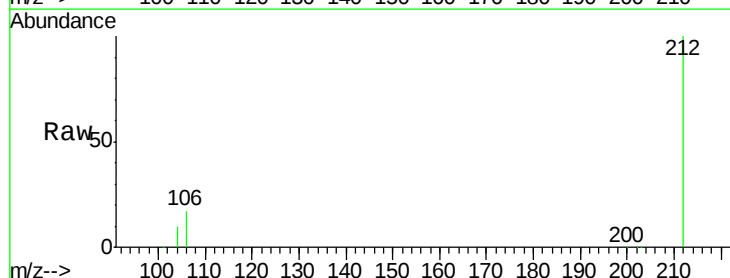
Tgt Ion:202 Resp: 2658

Ion Ratio Lower Upper

202 100

200 8.8 14.9 22.3#

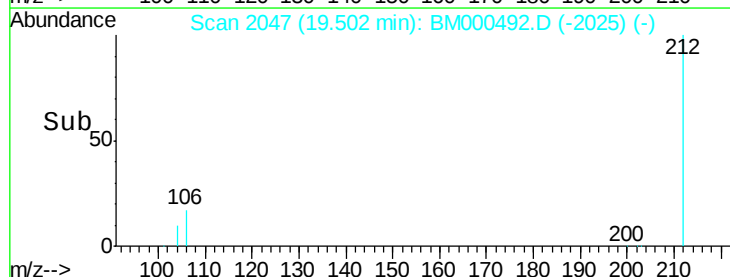
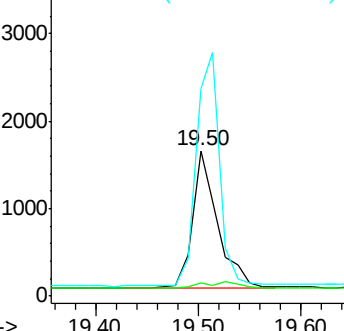
203 142.8 15.4 23.0#

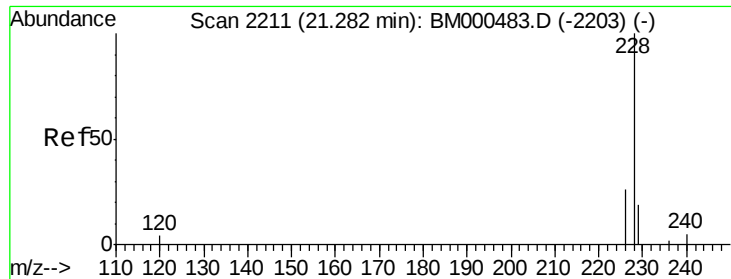


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.28 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

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ClientSampleId :

A4FL6

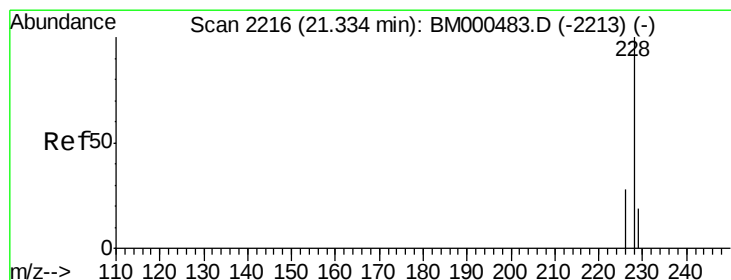
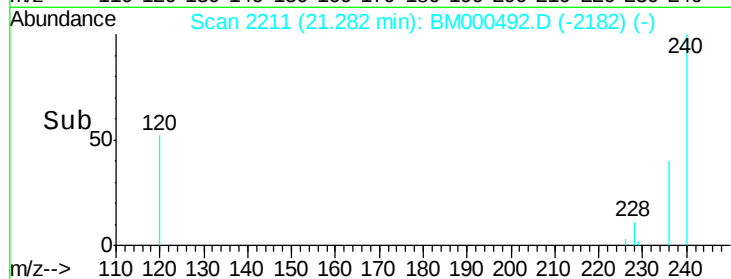
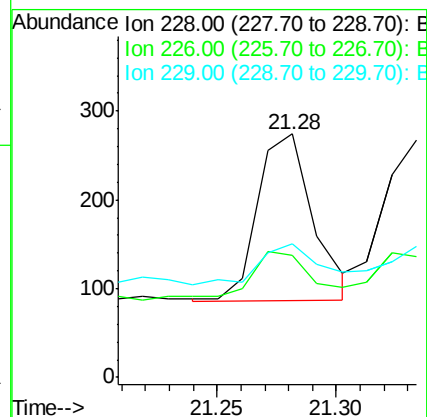
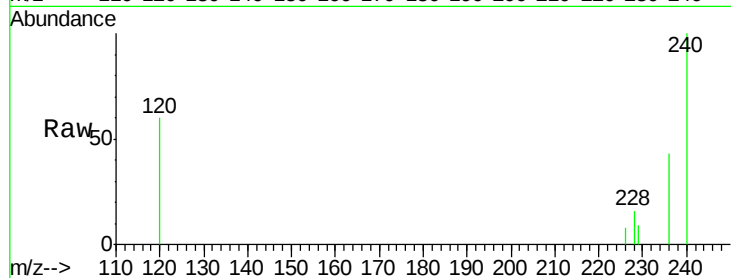
Tgt Ion:228 Resp: 305

Ion Ratio Lower Upper

228 100

226 50.0 21.4 32.0#

229 54.7 15.6 23.4#



#19

Chrysene

Concen: 0.01 ng/ul

RT: 21.33 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

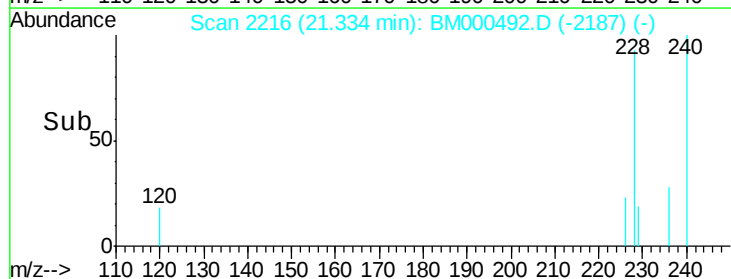
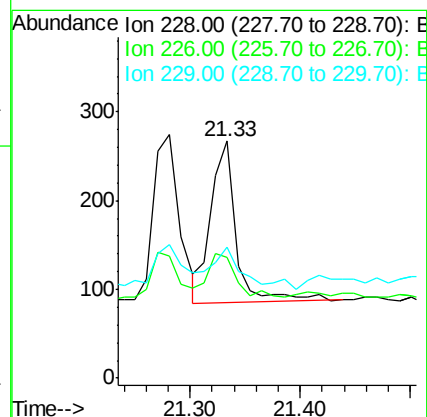
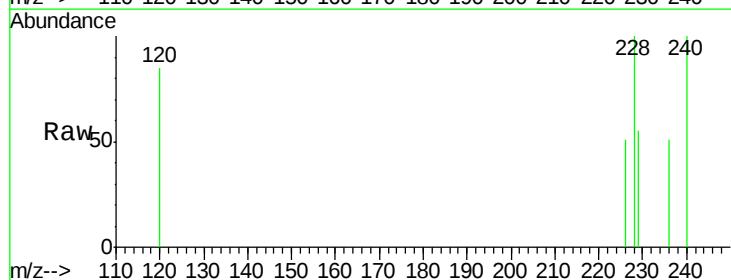
Tgt Ion:228 Resp: 288

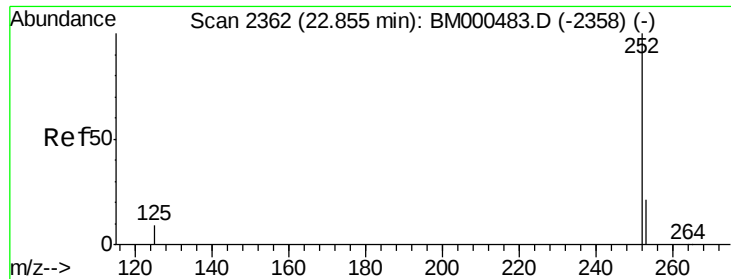
Ion Ratio Lower Upper

228 100

226 50.9 23.0 34.6#

229 55.1 15.9 23.9#





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.62 min Scan# 2339

Delta R.T. -0.24 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

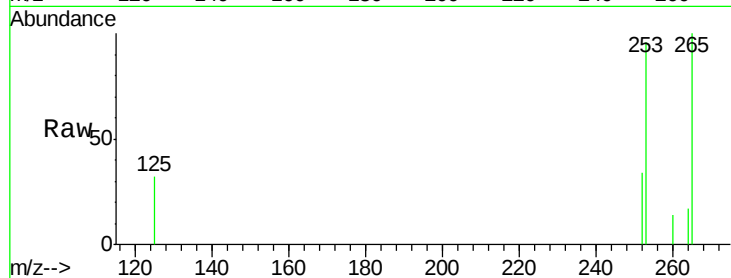
Tgt Ion:252 Resp: 393

Ion Ratio Lower Upper

252 100

253 279.0 0.0 49.0#

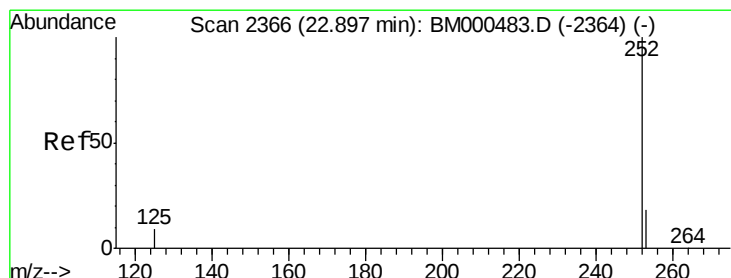
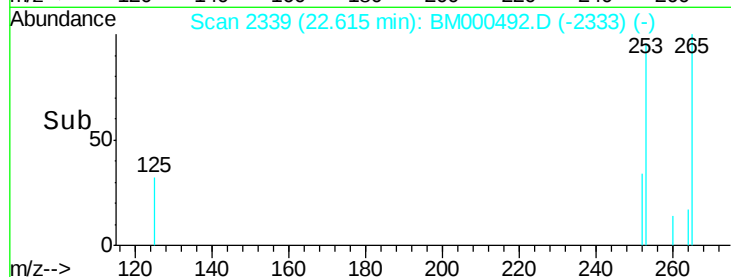
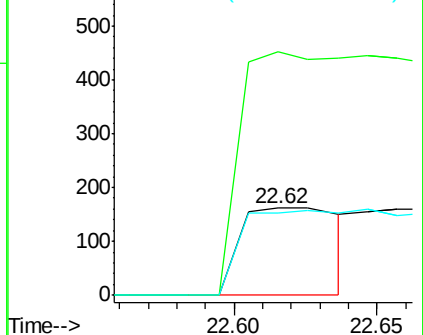
125 94.4 0.0 18.4#



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



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.86 min Scan# 2362

Delta R.T. -0.04 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

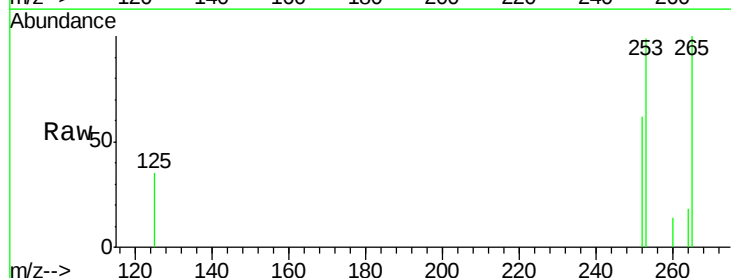
Tgt Ion:252 Resp: 280

Ion Ratio Lower Upper

252 100

253 159.0 19.8 29.6#

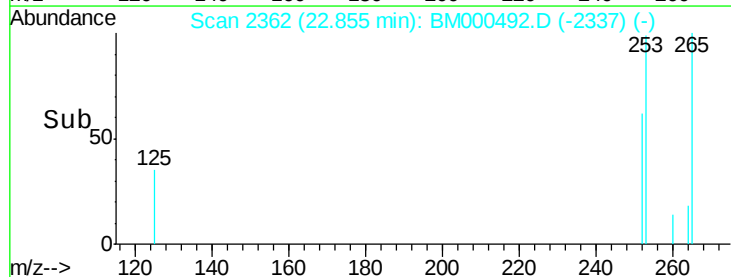
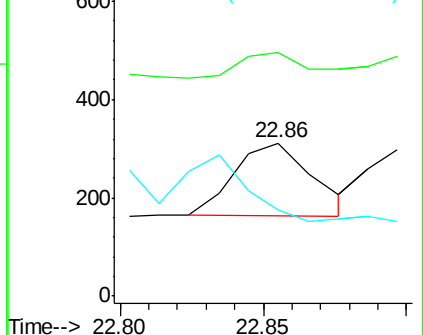
125 56.4 7.6 11.4#

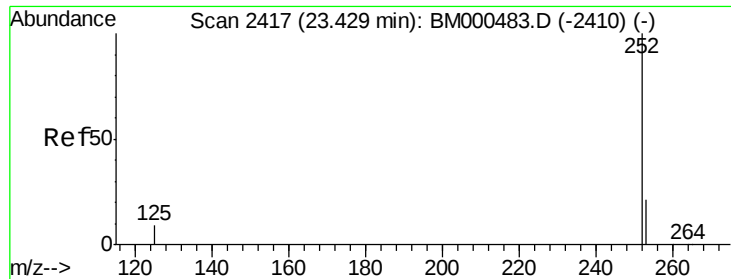


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.39 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

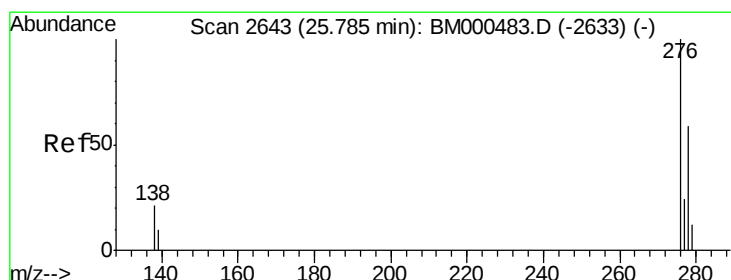
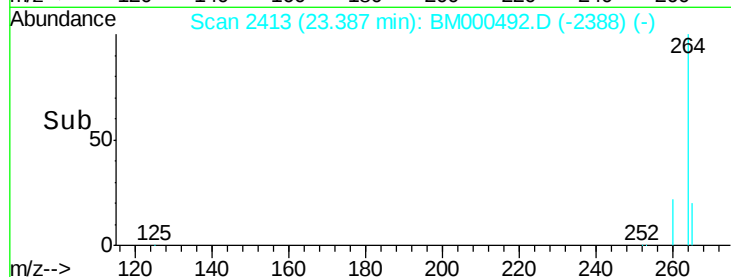
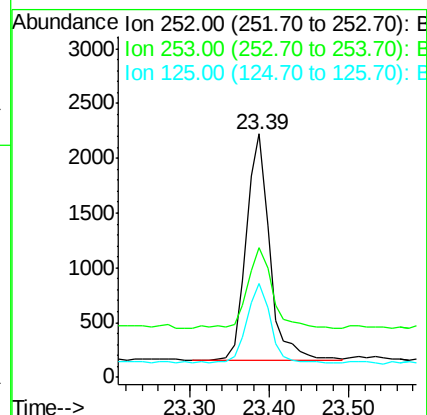
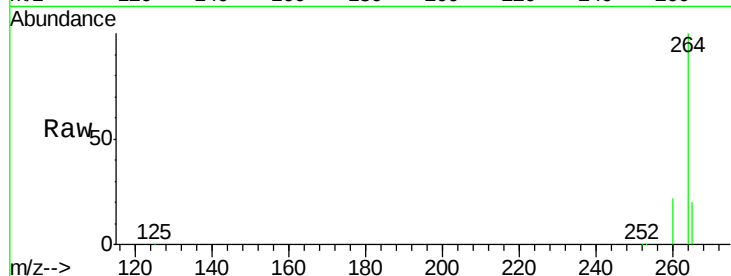
Tgt Ion:252 Resp: 4198

Ion Ratio Lower Upper

252 100

253 53.2 21.2 31.8#

125 38.7 8.4 12.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.63 min Scan# 2628

Delta R.T. -0.16 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

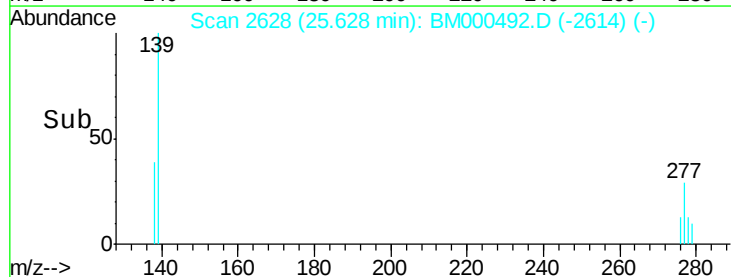
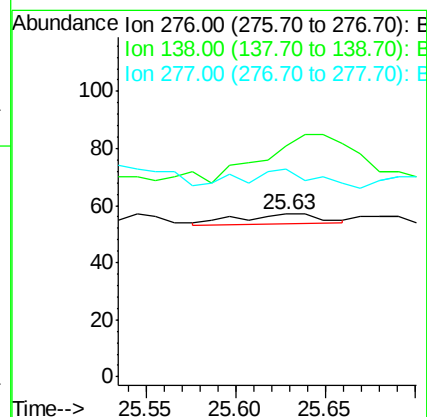
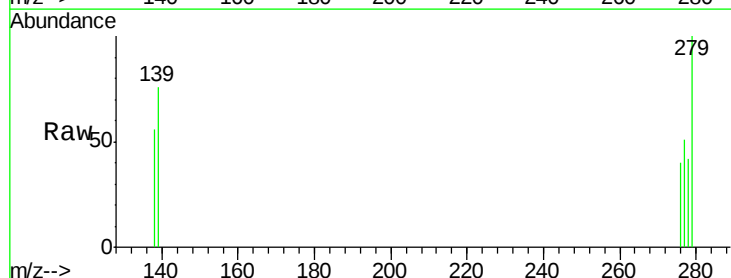
Tgt Ion:276 Resp: 11

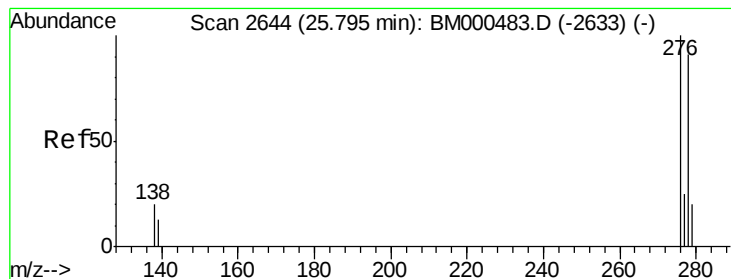
Ion Ratio Lower Upper

276 100

138 700.0 16.3 24.5#

277 236.4 20.0 30.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.62 min Scan# 2627

Delta R.T. -0.18 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

Instrument :

BNA_M

ClientSampleId :

A4FL6

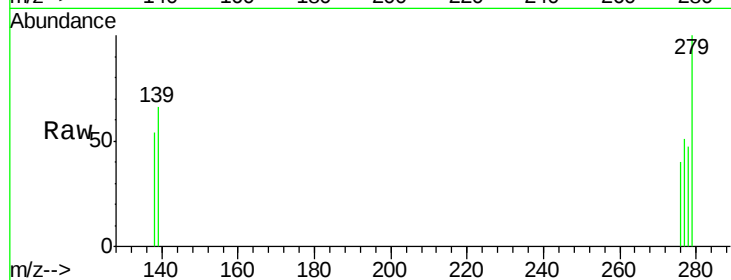
Tgt Ion: 278 Resp: 21

Ion Ratio Lower Upper

278 100

139 140.9 13.4 20.0#

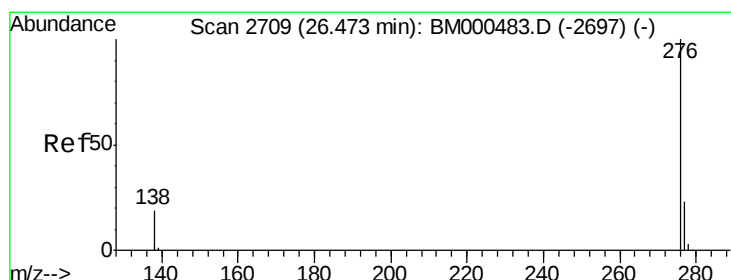
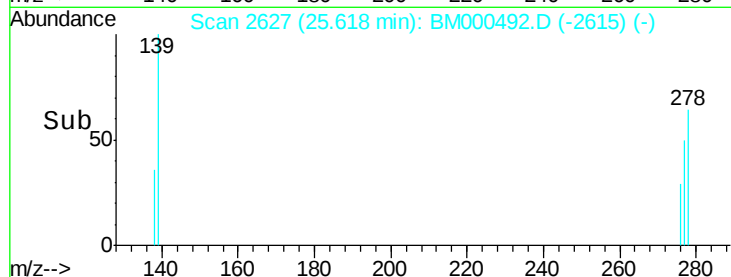
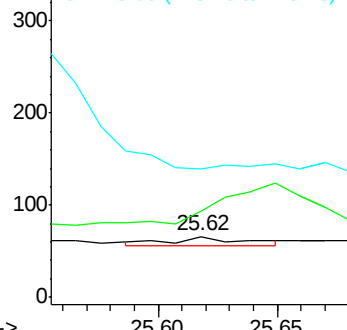
279 212.1 21.3 31.9#



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: 0.00 ng/ul

RT: 26.34 min Scan# 2696

Delta R.T. -0.14 min

Lab File: BM000492.D

Acq: 12 Feb 2015 00:32

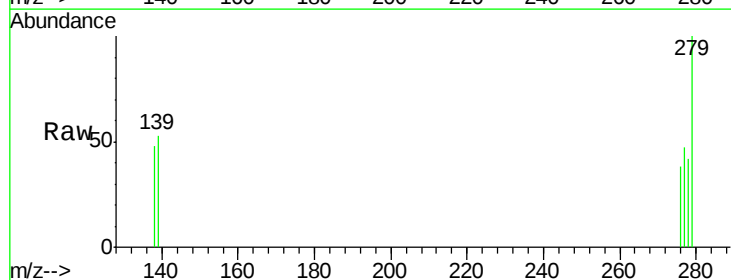
Tgt Ion: 276 Resp: 5

Ion Ratio Lower Upper

276 100

277 122.2 20.2 30.4#

138 124.1 16.0 24.0#



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

