

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021115\
 Data File : BM000485.D
 Acq On : 11 Feb 2015 20:23
 Operator : TP/IZ
 Sample : G1249-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FL1

Quant Time: Feb 12 00:08:10 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	3209	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	11609	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7387	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	1320252	0.40	ng/ul	0.11
16) Chrysene-d12	21.30	240	12910	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	947099	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	7412	0.48	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

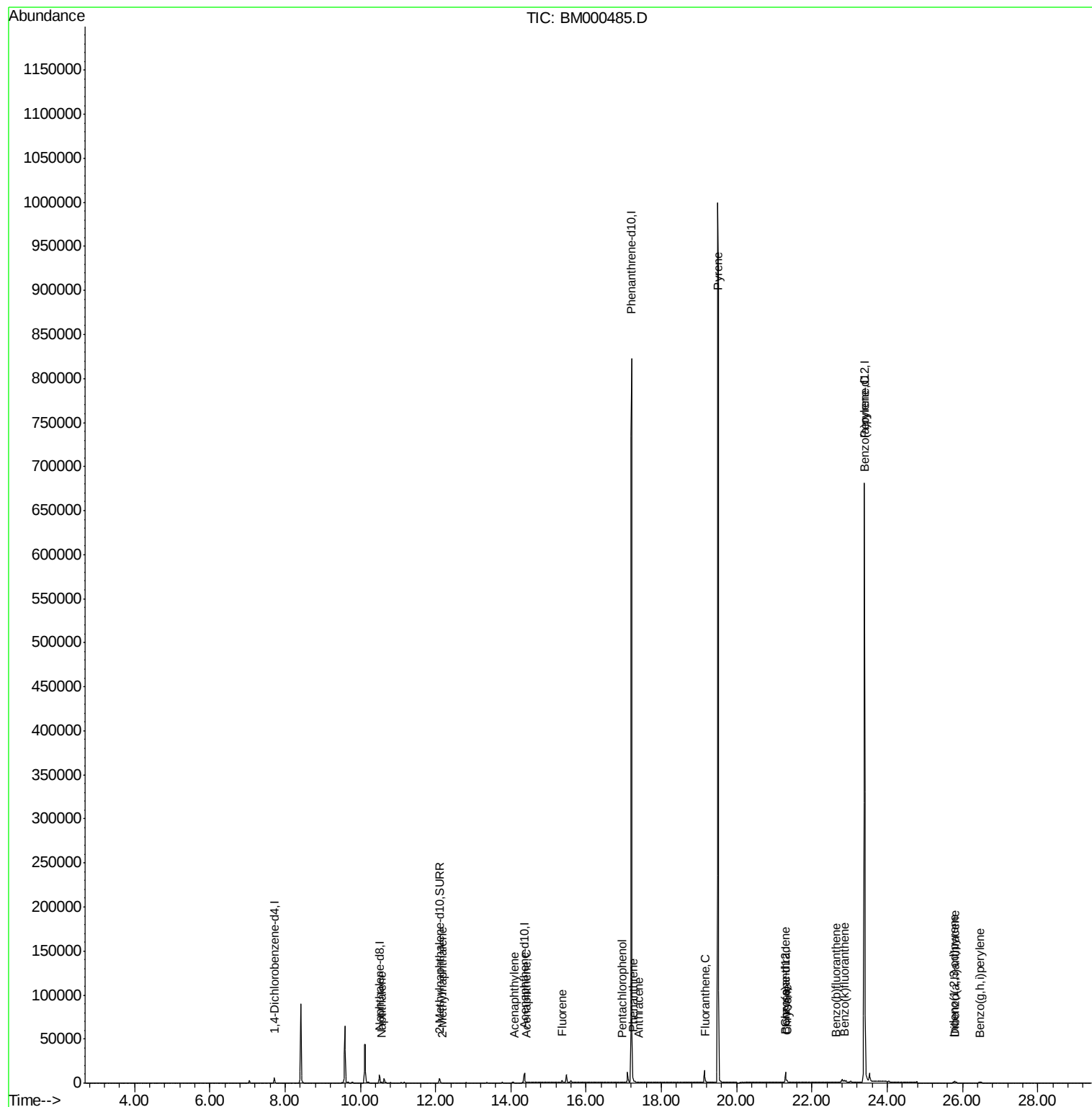
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	180	0.01	ng/ul#	4
5) 2-Methylnaphthalene	12.17	142	59	0.00	ng/ul#	30
7) Acenaphthylene	14.09	152	240	0.01	ng/ul#	13
8) Acenaphthene	14.41	153	69	0.00	ng/ul#	71
9) Fluorene	15.35	166	2434	0.09	ng/ul#	19
11) Pentachlorophenol	16.95	266	3	0.00	ng/ul#	19
12) Phenanthrene	17.24	178	1386	0.00	ng/ul#	68
13) Anthracene	17.40	178	83	0.00	ng/ul#	1
15) Fluoranthene	19.16	202	1376	0.00	ng/ul	79
17) Pyrene	19.50	202	3490	0.07	ng/ul#	1
18) Benzo(a)anthracene	21.28	228	2199	0.06	ng/ul#	91
19) Chrysene	21.33	228	2314	0.05	ng/ul#	91
21) Benzo(b)fluoranthene	22.65	252	1084	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.86	252	2148	0.00	ng/ul#	49
23) Benzo(a)pyrene	23.39	252	4504	0.00	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	25.78	276	1703	0.00	ng/ul	97
25) Dibenzo(a,h)anthracene	25.80	278	1358	0.00	ng/ul#	58
26) Benzo(g,h,i)perylene	26.46	276	1438	0.00	ng/ul#	82

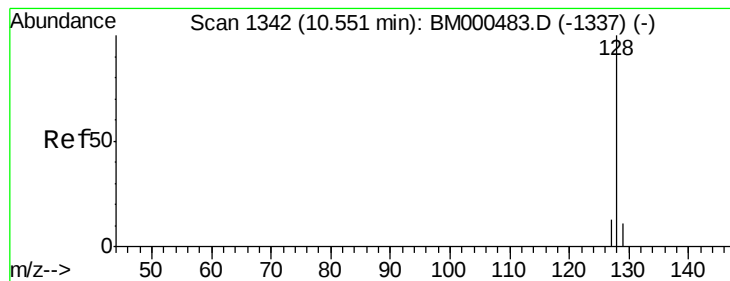
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

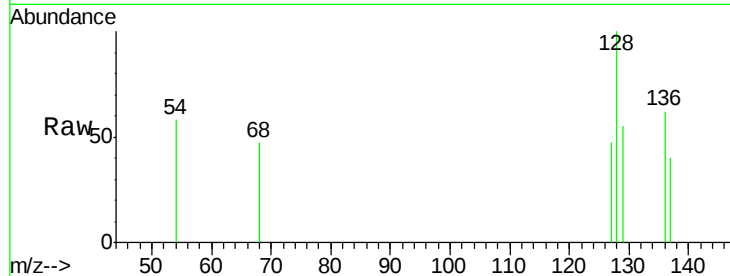
Tgt Ion:128 Resp: 180

Ion Ratio Lower Upper

128 100

129 55.0 9.2 13.8#

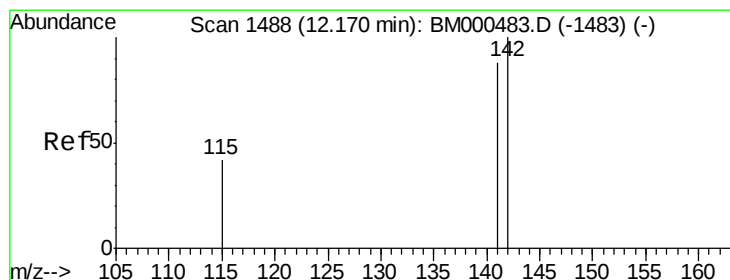
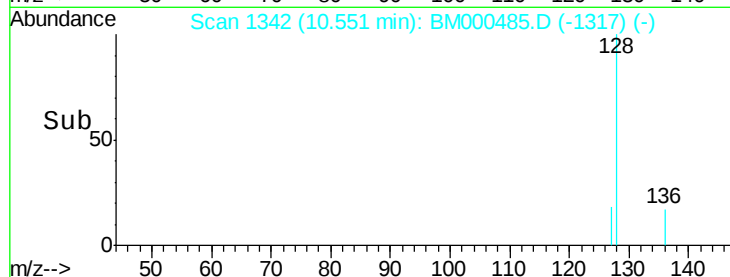
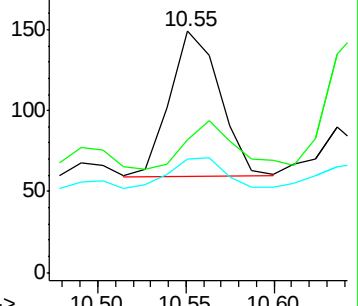
127 47.0 11.2 16.8#



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: 0.00 ng/ul

RT: 12.17 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM000485.D

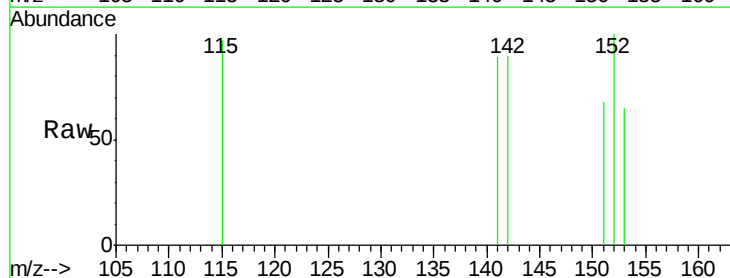
Acq: 11 Feb 2015 20:23

Tgt Ion:142 Resp: 59

Ion Ratio Lower Upper

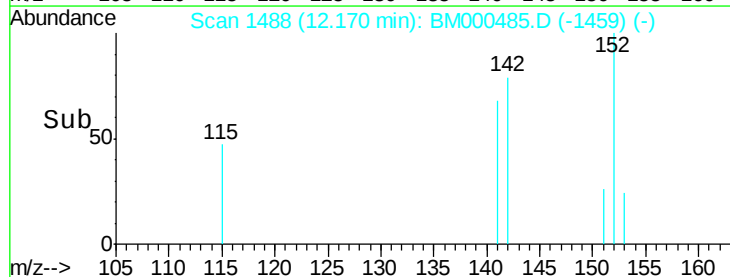
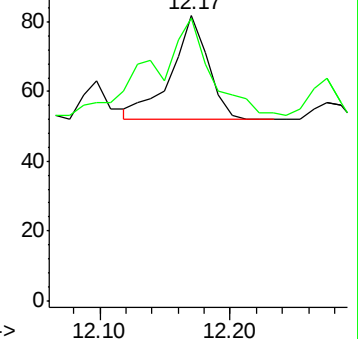
142 100

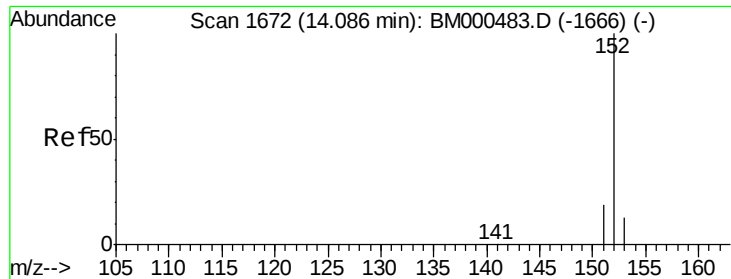
141 152.5 70.3 105.5#



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: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

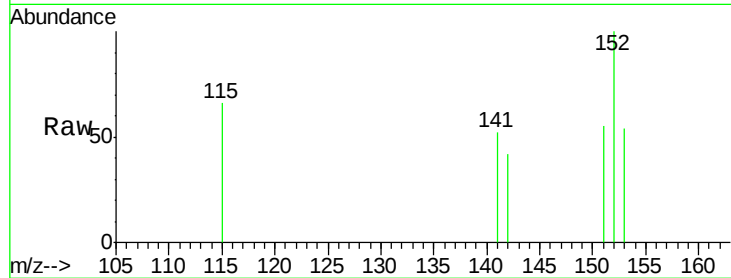
Tgt Ion:152 Resp: 240

Ion Ratio Lower Upper

152 100

151 55.2 16.1 24.1#

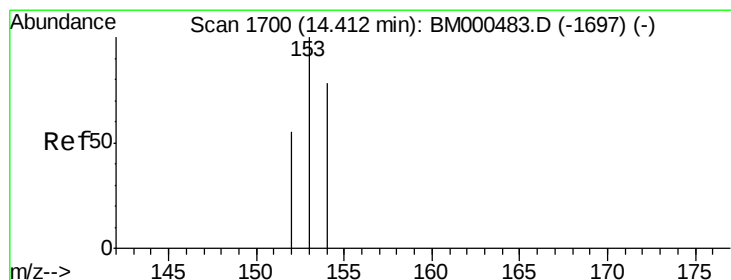
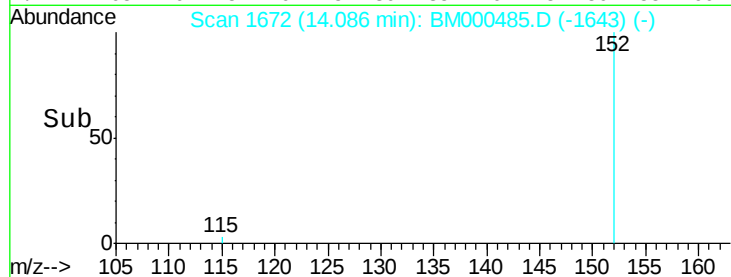
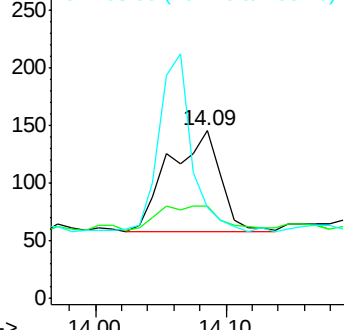
153 54.5 10.6 15.8#



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: 0.00 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. 0.00 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

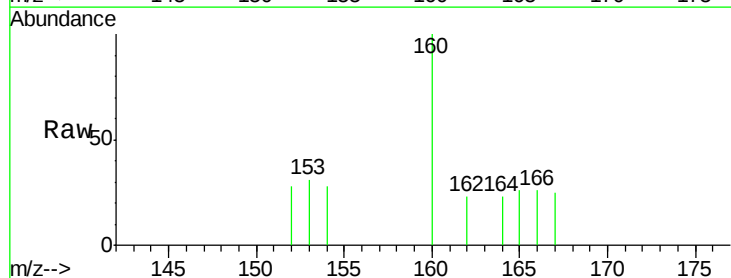
Tgt Ion:153 Resp: 69

Ion Ratio Lower Upper

153 100

152 90.9 45.6 68.4#

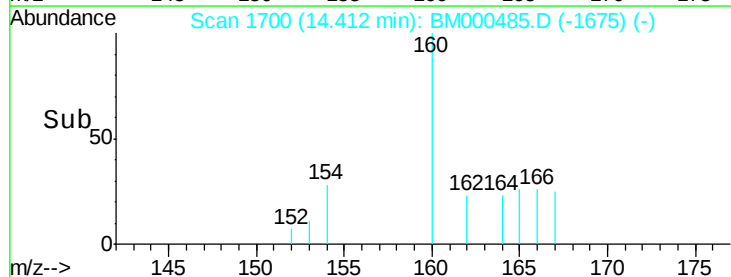
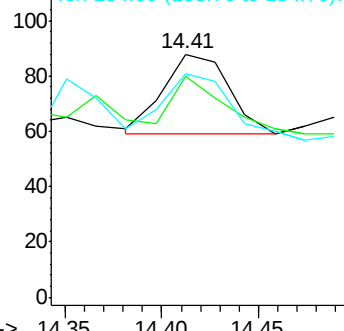
154 92.0 62.5 93.7

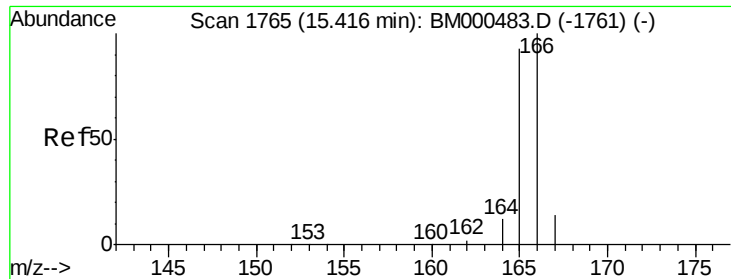


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

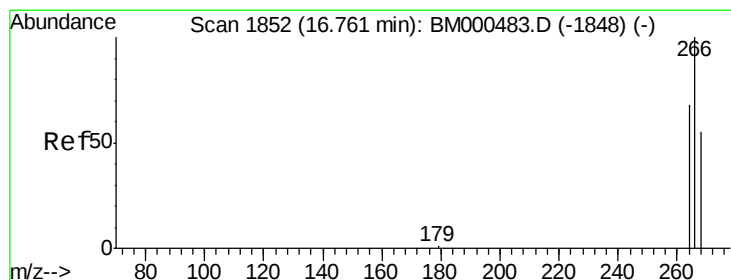
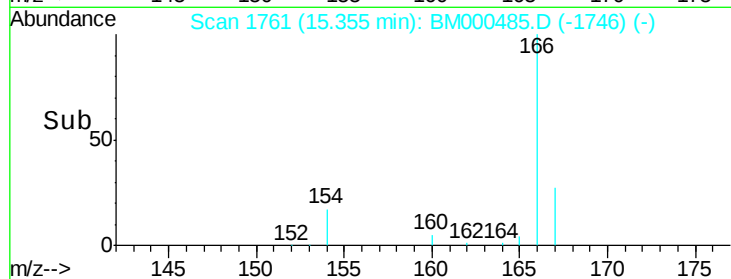
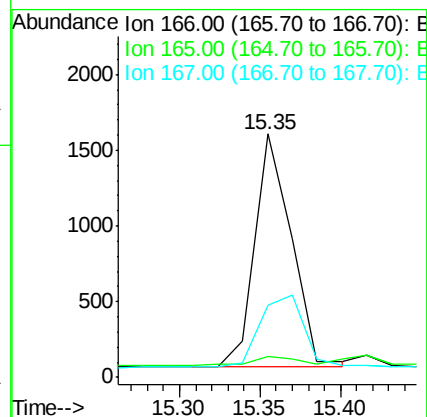
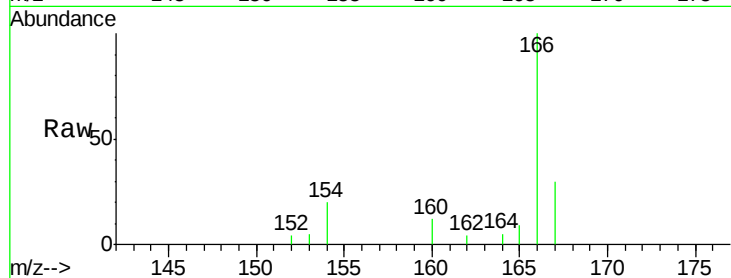
Tgt Ion:166 Resp: 2434

Ion Ratio Lower Upper

166 100

165 8.8 74.4 111.6#

167 29.8 11.3 16.9#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.95 min Scan# 1864

Delta R.T. 0.19 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

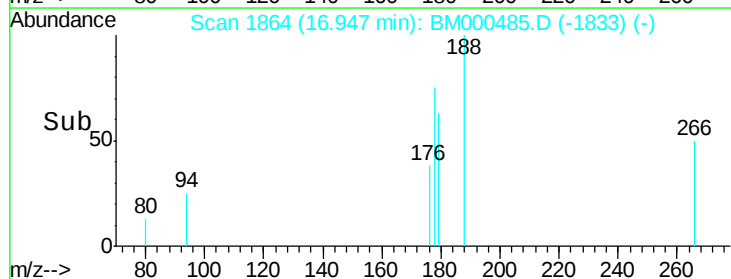
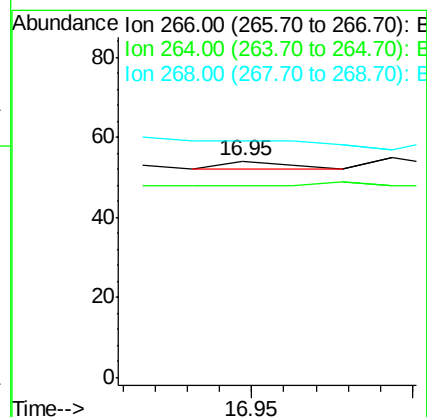
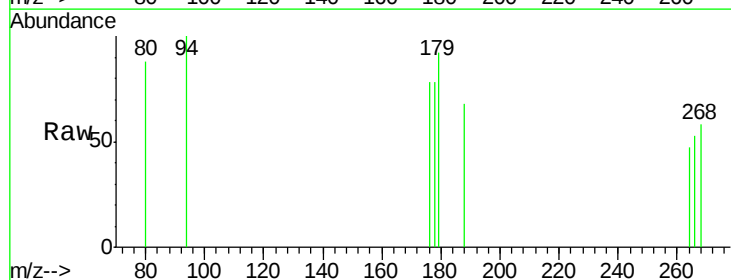
Tgt Ion:266 Resp: 3

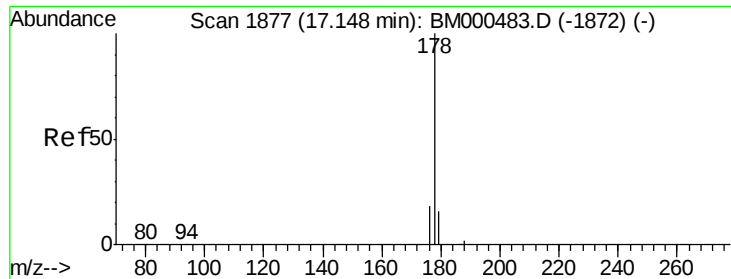
Ion Ratio Lower Upper

266 100

264 0.0 49.8 74.6#

268 0.0 51.2 76.8#





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.24 min Scan# 1883

Delta R.T. 0.09 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

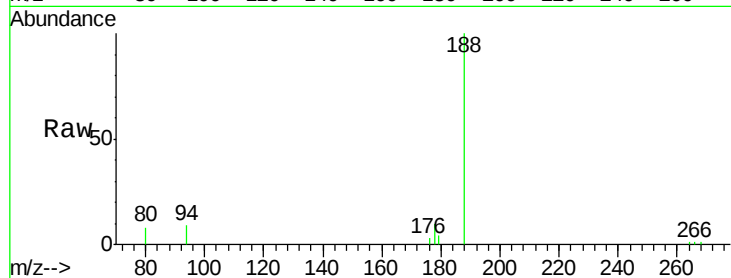
Tgt Ion:178 Resp: 1386

Ion Ratio Lower Upper

178 100

176 29.3 15.0 22.4#

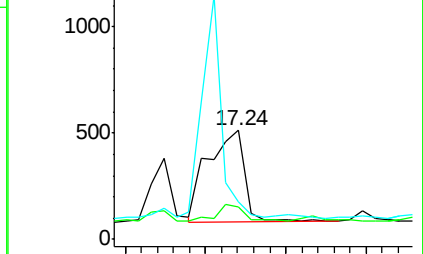
179 34.4 13.0 19.4#



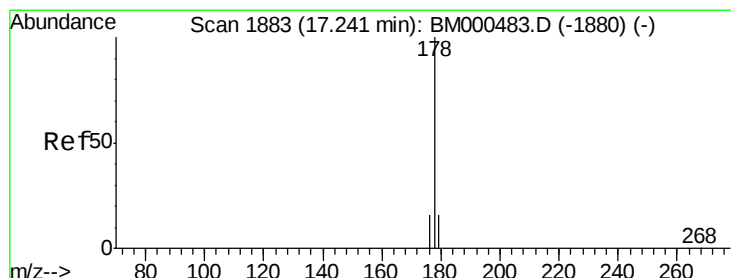
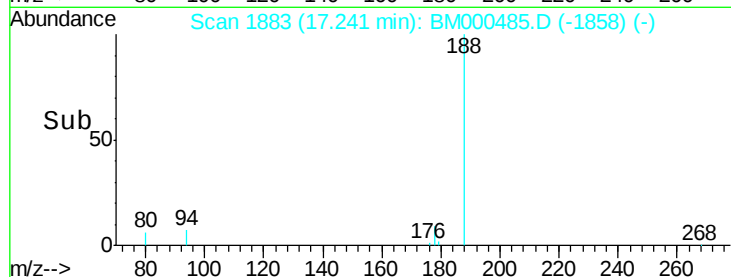
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.40 min Scan# 1893

Delta R.T. 0.15 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

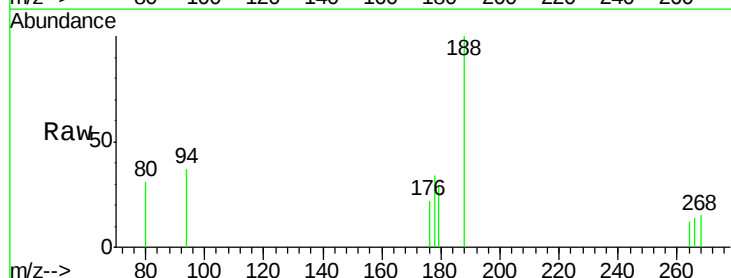
Tgt Ion:178 Resp: 83

Ion Ratio Lower Upper

178 100

176 65.2 13.9 20.9#

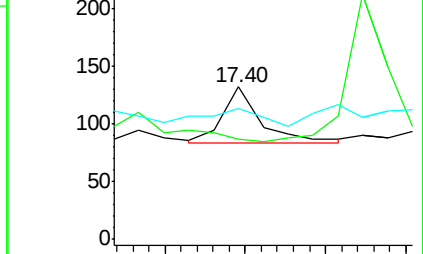
179 85.6 13.2 19.8#



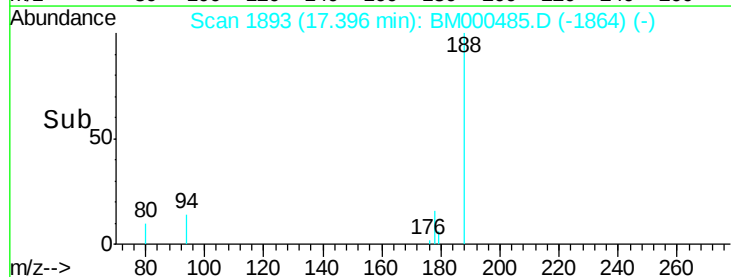
Abundance Ion 178.00 (177.70 to 178.70): E

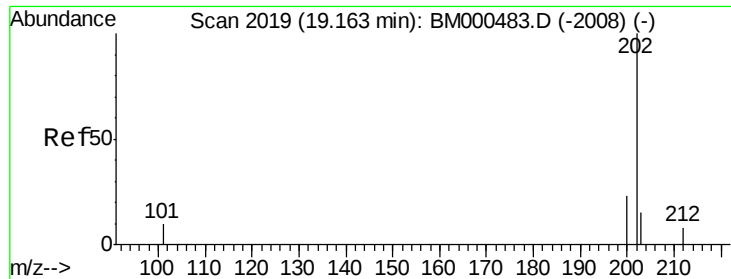
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

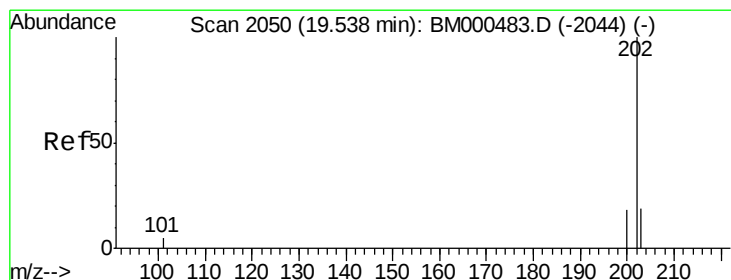
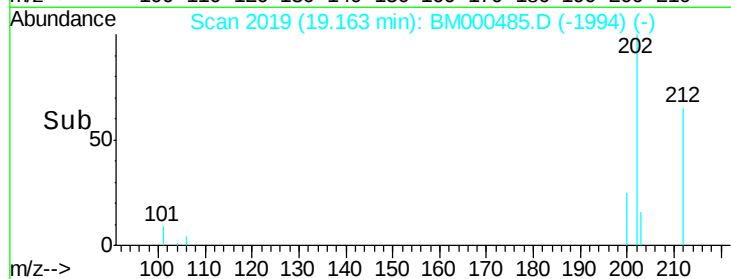
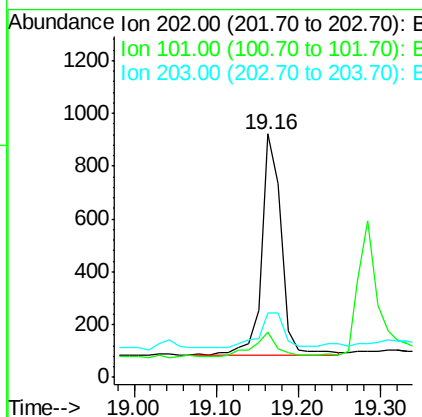
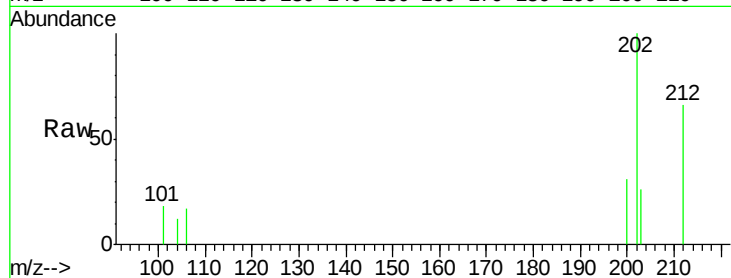




#15
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.16 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM000485.D
Acq: 11 Feb 2015 20:23

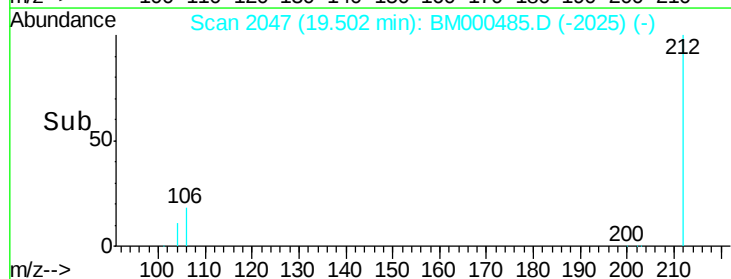
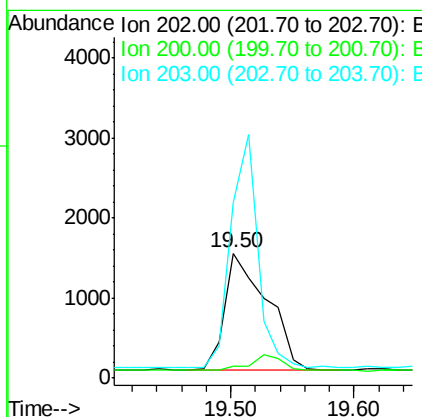
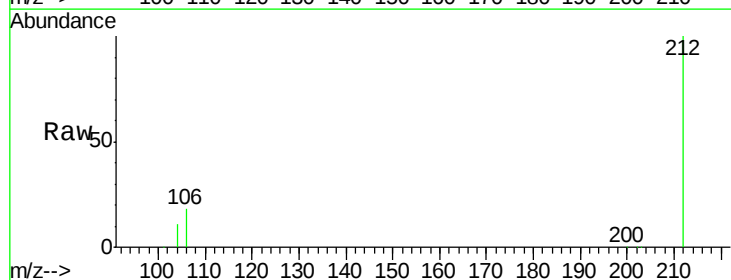
Instrument :
BNA_M
ClientSampleId :
A4FL1

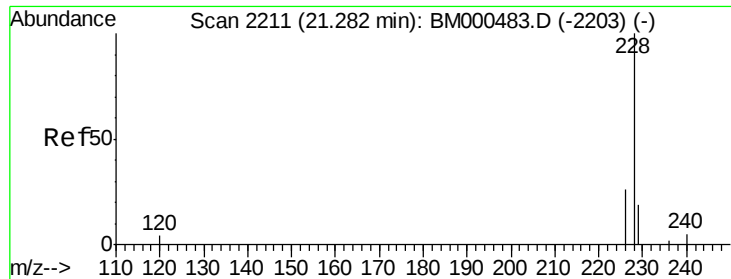
Tgt Ion:202 Resp: 1376
Ion Ratio Lower Upper
202 100
101 18.4 0.0 24.6
203 26.2 0.0 39.2



#17
Pyrene
Concen: 0.07 ng/ul
RT: 19.50 min Scan# 2047
Delta R.T. -0.04 min
Lab File: BM000485.D
Acq: 11 Feb 2015 20:23

Tgt Ion:202 Resp: 3490
Ion Ratio Lower Upper
202 100
200 9.2 14.9 22.3#
203 140.6 15.4 23.0#





#18

Benzo(a)anthracene

Concen: 0.06 ng/u1

RT: 21.28 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

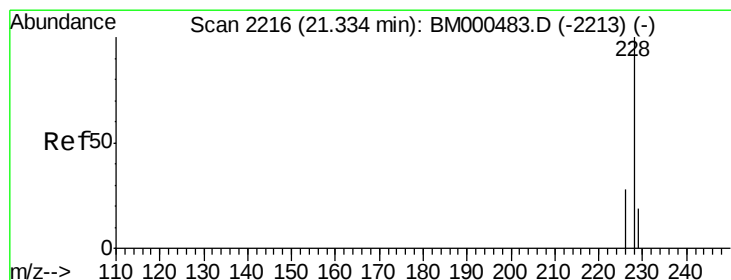
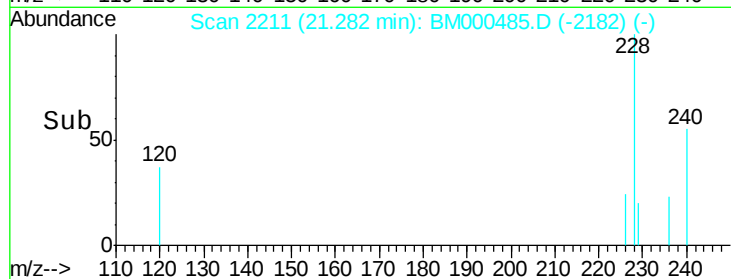
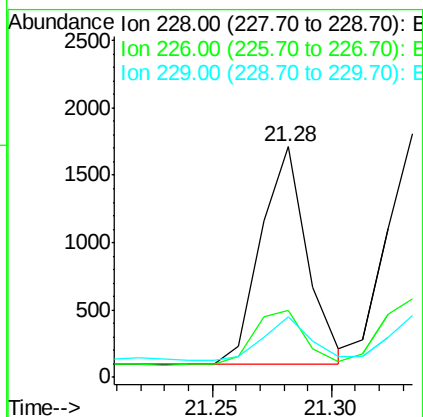
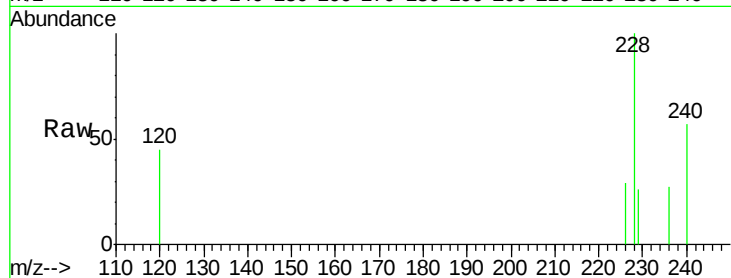
Tgt Ion:228 Resp: 2199

Ion Ratio Lower Upper

228 100

226 29.2 21.4 32.0

229 26.1 15.6 23.4#



#19

Chrysene

Concen: 0.05 ng/u1

RT: 21.33 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

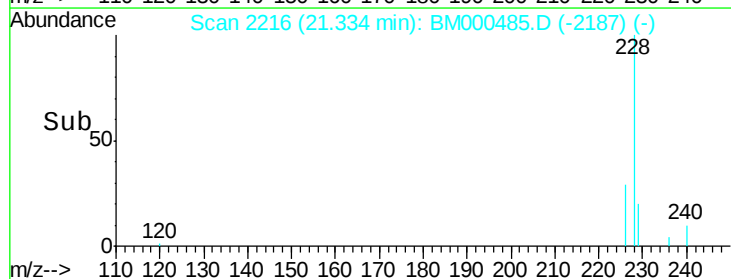
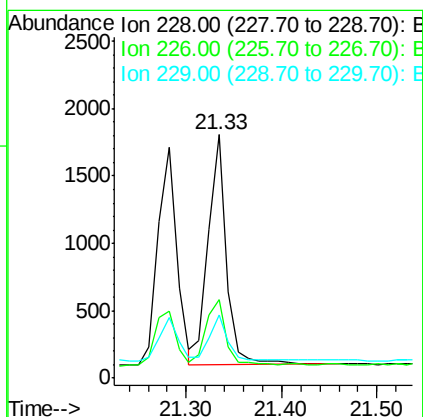
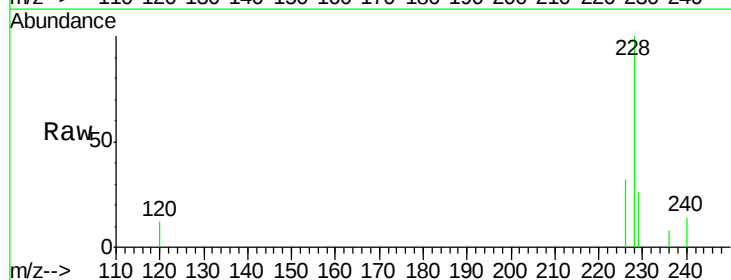
Tgt Ion:228 Resp: 2314

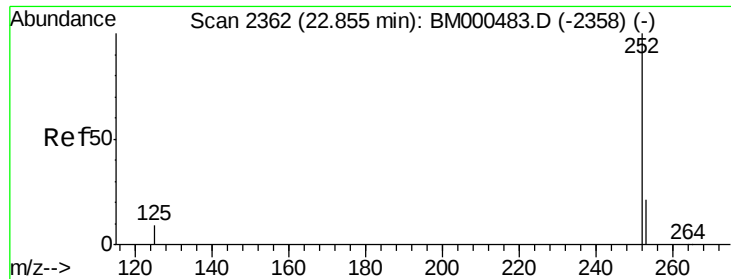
Ion Ratio Lower Upper

228 100

226 32.2 23.0 34.6

229 25.7 15.9 23.9#





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.65 min Scan# 2342

Delta R.T. -0.21 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

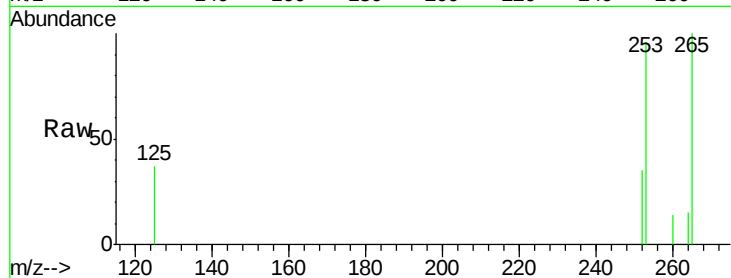
Tgt Ion:252 Resp: 1084

Ion Ratio Lower Upper

252 100

253 272.1 0.0 49.0#

125 103.9 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

600

400

200

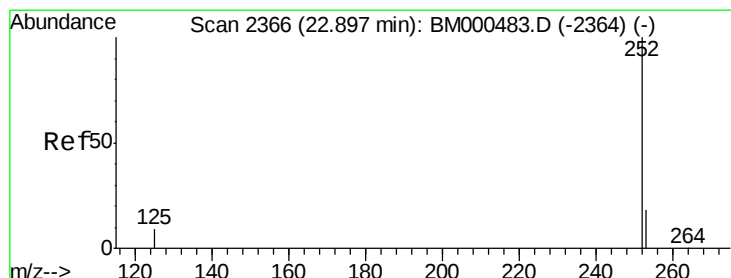
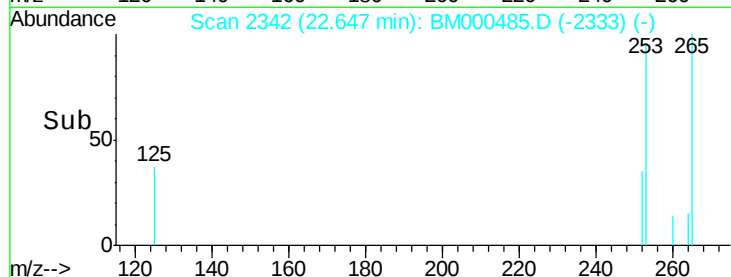
0

22.60

22.65

22.70

Time-->



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.86 min Scan# 2362

Delta R.T. -0.04 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

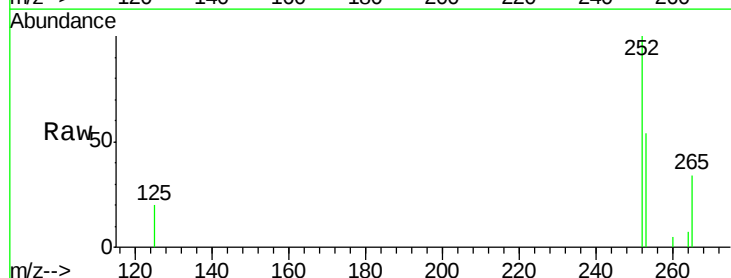
Tgt Ion:252 Resp: 2148

Ion Ratio Lower Upper

252 100

253 54.2 19.8 29.6#

125 20.0 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

2000

1500

1000

500

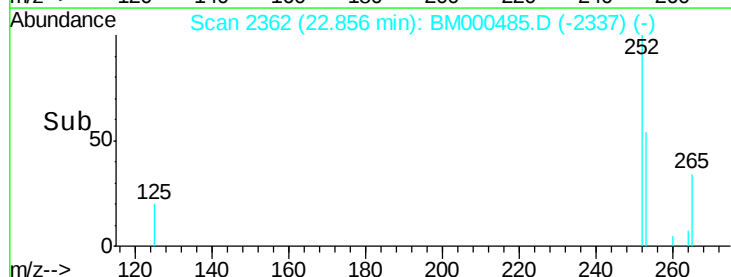
0

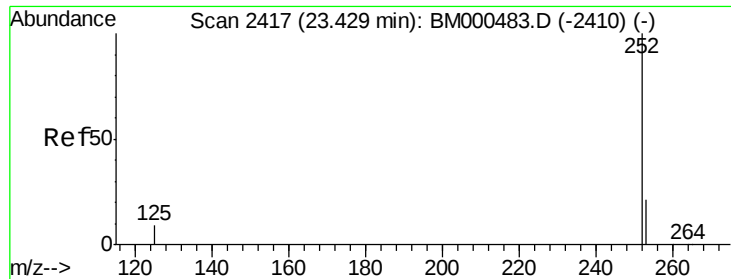
22.80

22.85

22.86

Time-->





#23

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.39 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

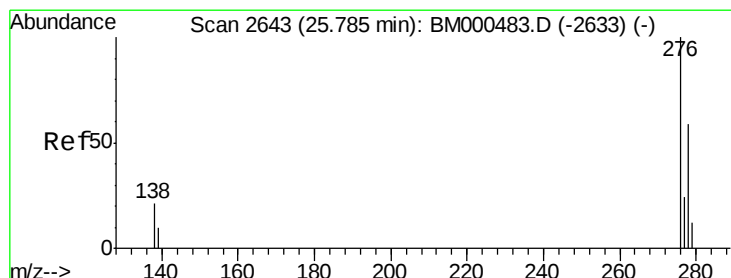
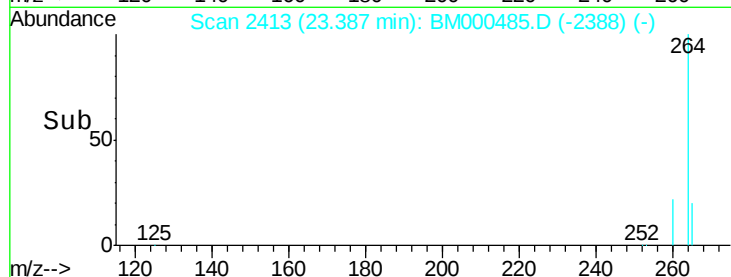
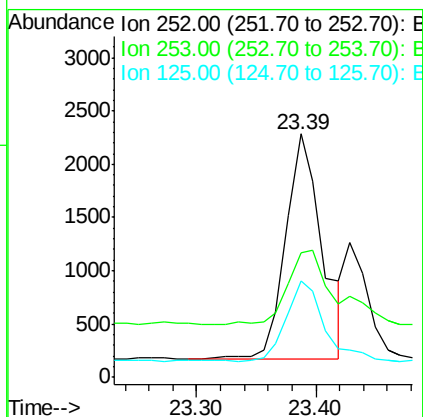
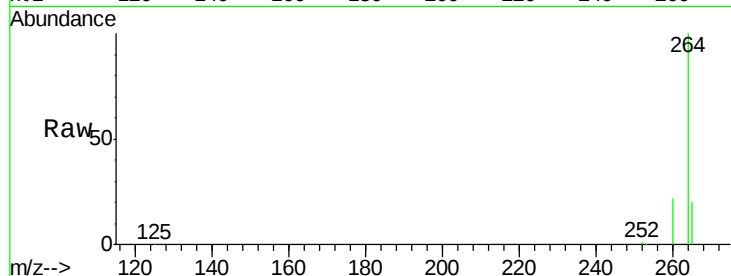
Tgt Ion:252 Resp: 4504

Ion Ratio Lower Upper

252 100

253 51.2 21.2 31.8#

125 39.5 8.4 12.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.78 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

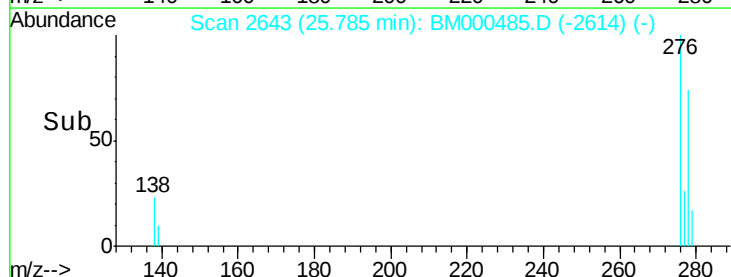
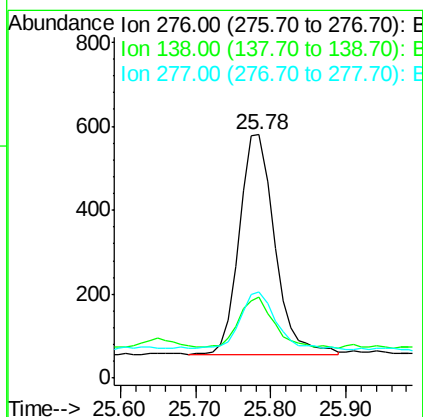
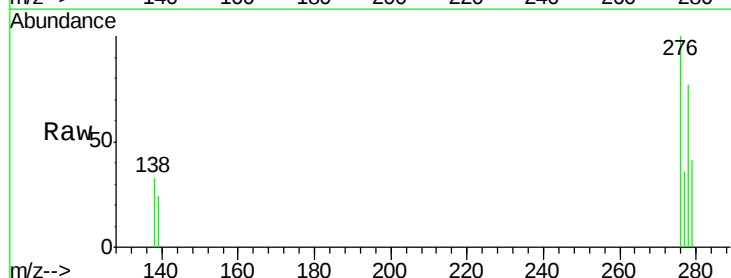
Tgt Ion:276 Resp: 1703

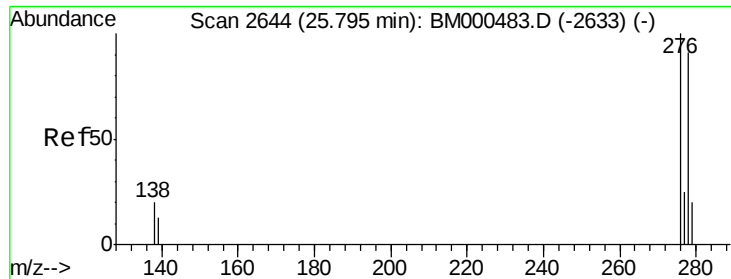
Ion Ratio Lower Upper

276 100

138 22.5 16.3 24.5

277 26.0 20.0 30.0





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.80 min Scan# 2644

Delta R.T. 0.00 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

Instrument :

BNA_M

ClientSampleId :

A4FL1

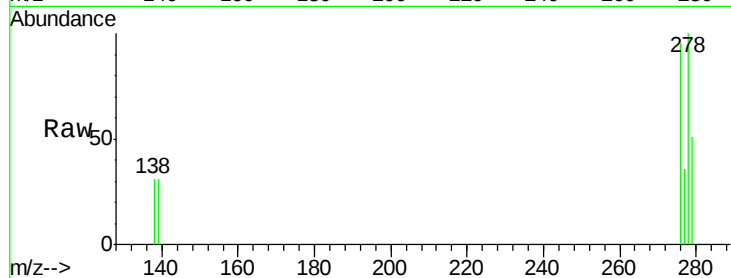
Tgt Ion:278 Resp: 1358

Ion Ratio Lower Upper

278 100

139 31.0 13.4 20.0#

279 51.0 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

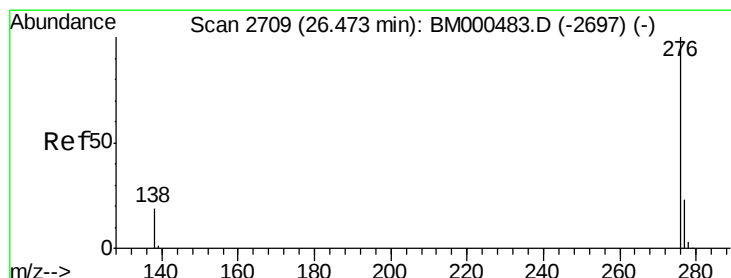
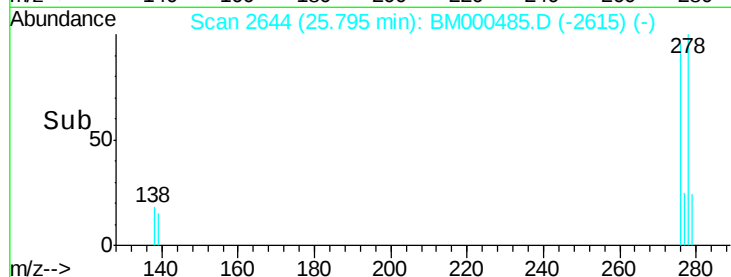
25.80

400

200

0

Time--> 25.60 25.80



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.46 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BM000485.D

Acq: 11 Feb 2015 20:23

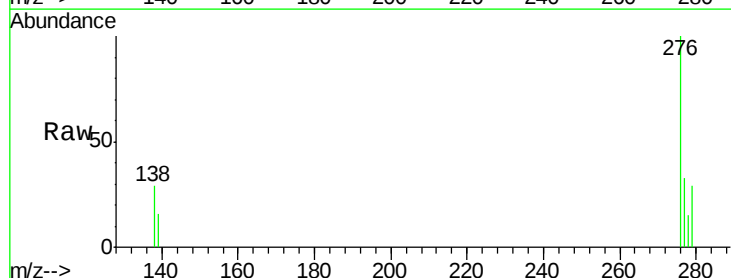
Tgt Ion:276 Resp: 1438

Ion Ratio Lower Upper

276 100

277 33.4 20.2 30.4#

138 28.9 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

26.46

400

200

0

Time--> 26.40 26.60

