

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021115\
 Data File : BM000495.D
 Acq On : 12 Feb 2015 02:18
 Operator : TP/IZ
 Sample : G1249-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FM9

Quant Time: Feb 12 03:03:22 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	3695	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	13306	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8305	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	1135641	0.40	ng/ul	0.11
16) Chrysene-d12	21.30	240	11704	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	518972	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	6787	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.50	212	1043744	0.41	ng/ul	0.36

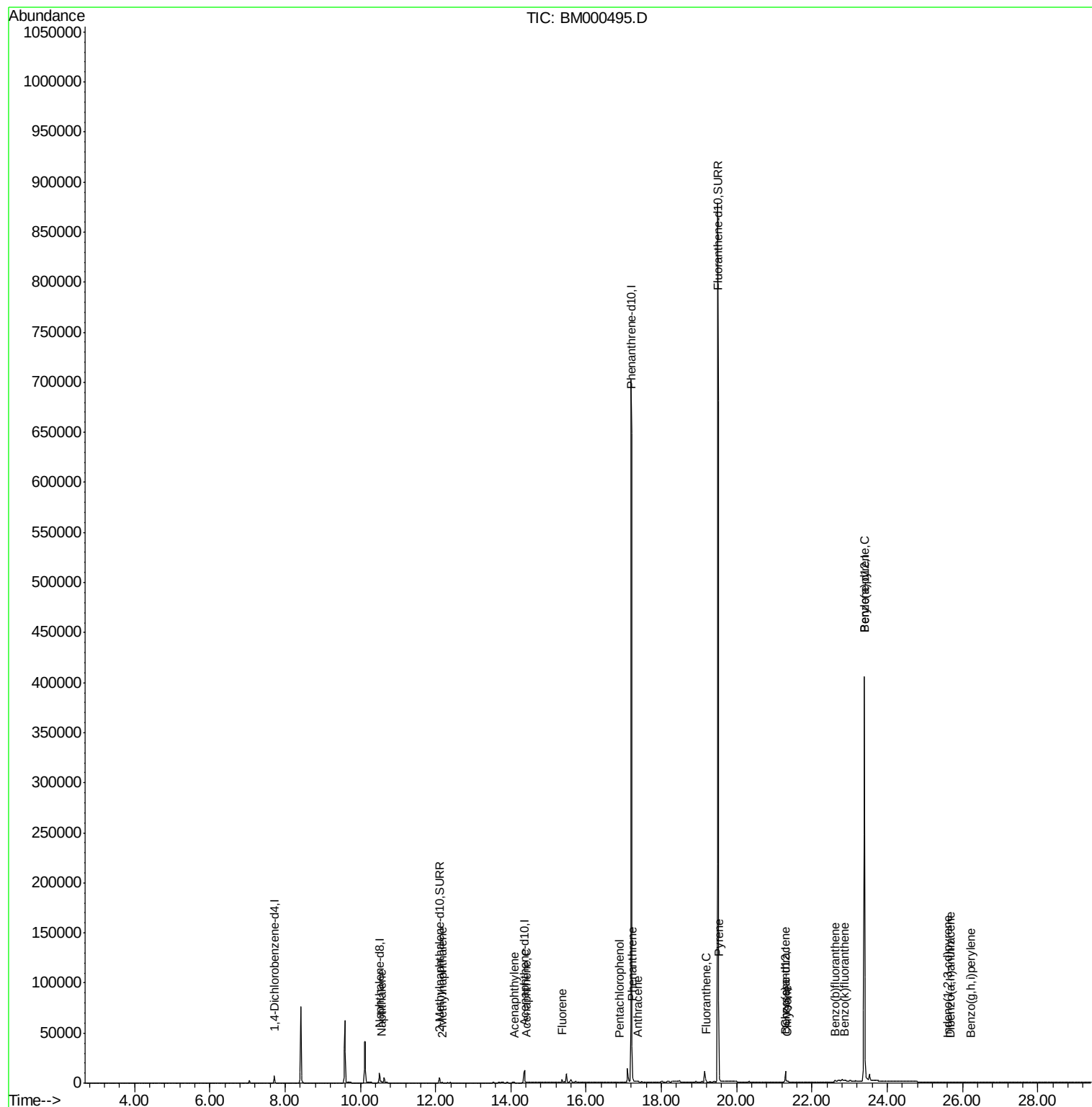
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	2391	0.07	ng/ul#	92
5) 2-Methylnaphthalene	12.17	142	142	0.01	ng/ul	92
7) Acenaphthylene	14.09	152	227	0.01	ng/ul#	1
8) Acenaphthene	14.41	153	351	0.01	ng/ul#	86
9) Fluorene	15.35	166	2390	0.08	ng/ul#	16
11) Pentachlorophenol	16.89	266	8	0.00	ng/ul#	19
12) Phenanthrene	17.23	178	1328	0.00	ng/ul#	37
13) Anthracene	17.38	178	181	0.00	ng/ul#	1
15) Fluoranthene	19.18	202	2887	0.00	ng/ul	83
17) Pyrene	19.53	202	4364	0.10	ng/ul#	54
18) Benzo(a)anthracene	21.28	228	751	0.02	ng/ul#	32
19) Chrysene	21.33	228	683	0.02	ng/ul#	33
21) Benzo(b)fluoranthene	22.61	252	890	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.86	252	321	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	2666	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.61	276	11	0.00	ng/ul#	53
25) Dibenzo(a,h)anthracene	25.67	278	13	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.21	276	12	0.00	ng/ul#	1

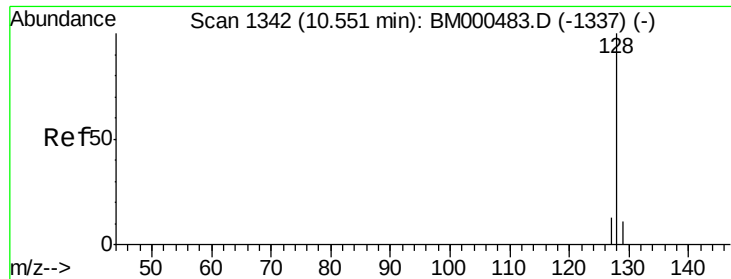
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.55 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

BNA_M

ClientSampleId :

A4FM9

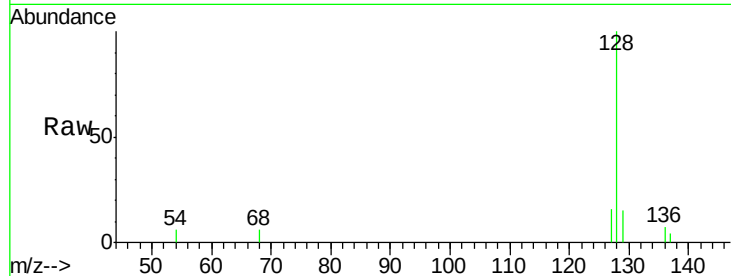
Tgt Ion:128 Resp: 2391

Ion Ratio Lower Upper

128 100

129 15.3 9.2 13.8#

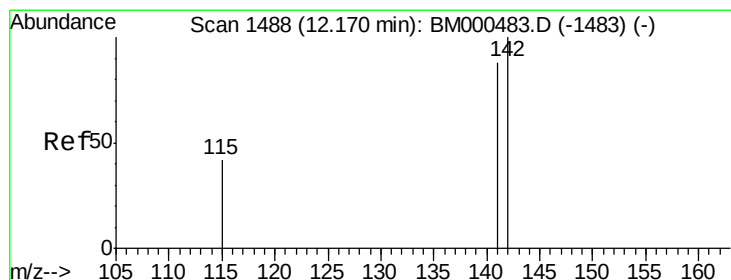
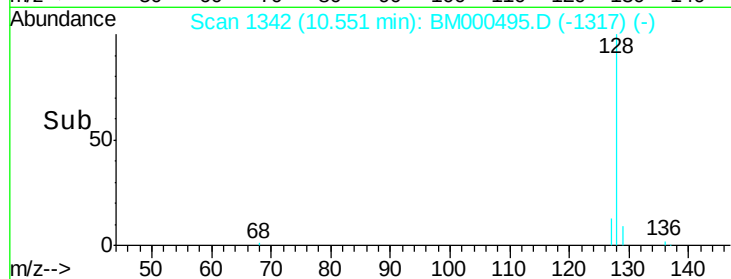
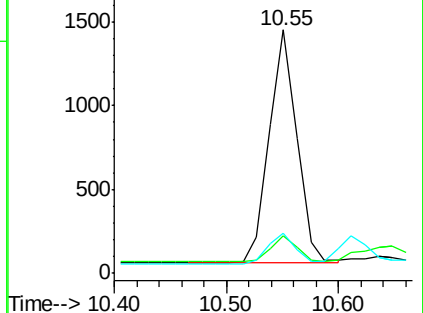
127 16.4 11.2 16.8



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: 0.01 ng/ul

RT: 12.17 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM000495.D

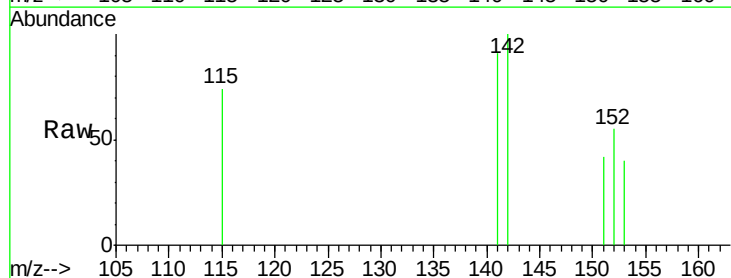
Acq: 12 Feb 2015 02:18

Tgt Ion:142 Resp: 142

Ion Ratio Lower Upper

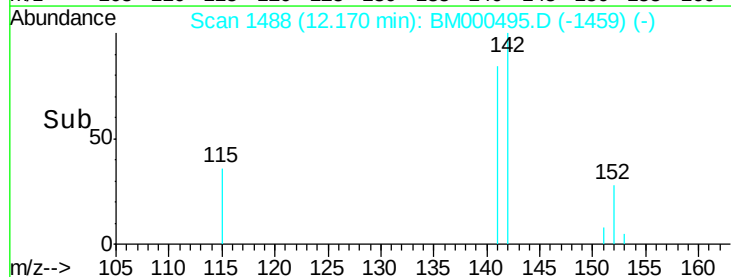
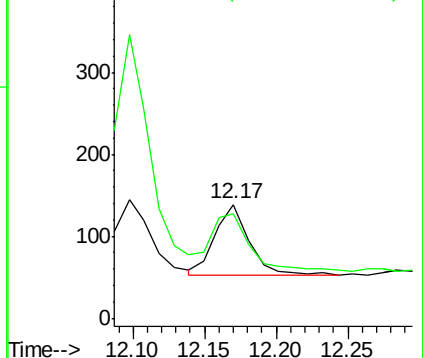
142 100

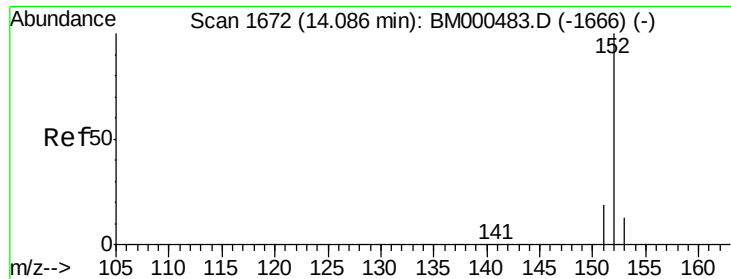
141 95.8 70.3 105.5



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: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

BNA_M

ClientSampleId :

A4FM9

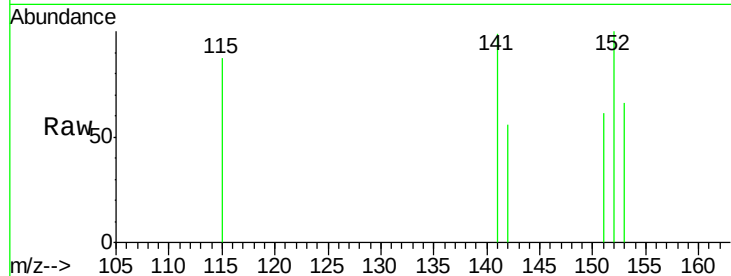
Tgt Ion:152 Resp: 227

Ion Ratio Lower Upper

152 100

151 61.2 16.1 24.1#

153 66.2 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

250

200

150

100

50

0

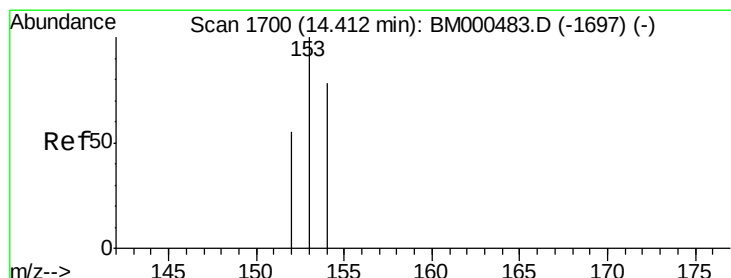
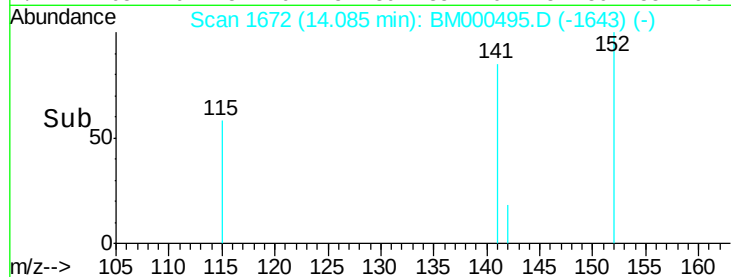
14.09

14.00

14.10

14.20

Time-->



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

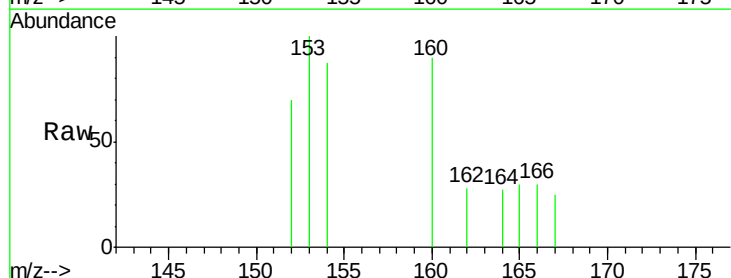
Tgt Ion:153 Resp: 351

Ion Ratio Lower Upper

153 100

152 70.1 45.6 68.4#

154 87.4 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

300

200

100

0

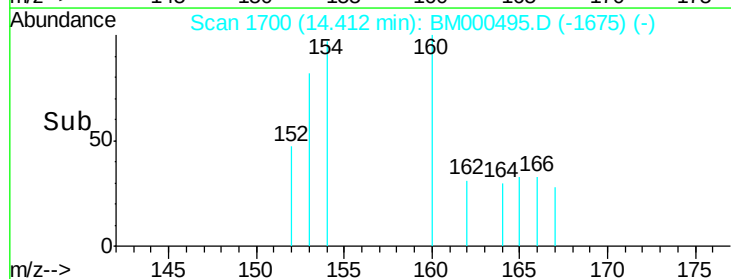
14.41

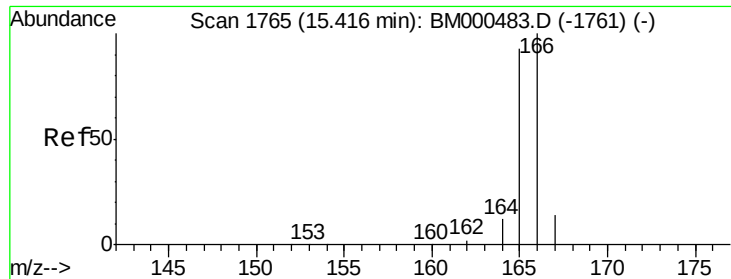
14.35

14.40

14.45

Time-->

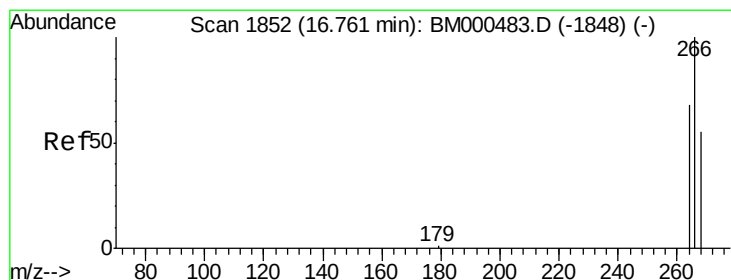
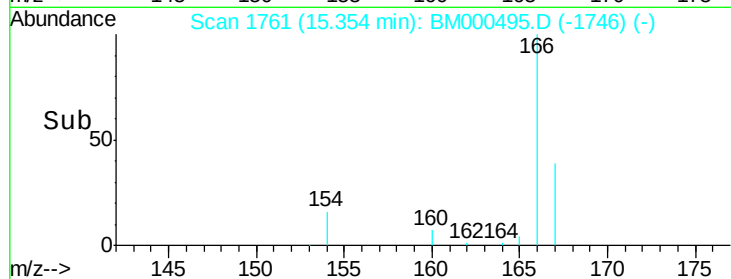
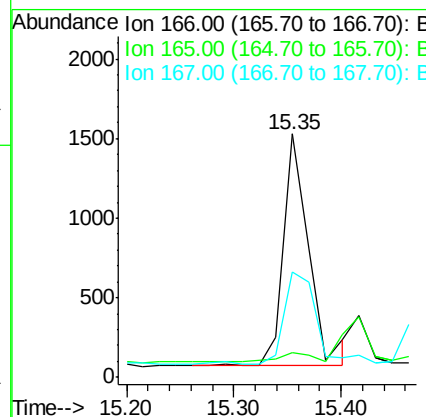
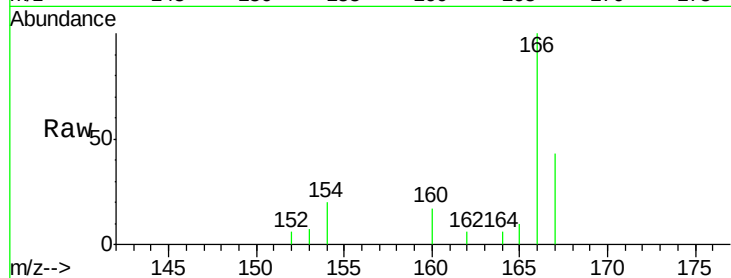




#9
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.35 min Scan# 1761
 Delta R.T. -0.06 min
 Lab File: BM000495.D
 Acq: 12 Feb 2015 02:18

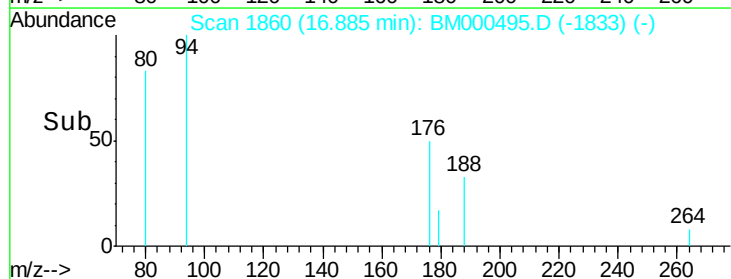
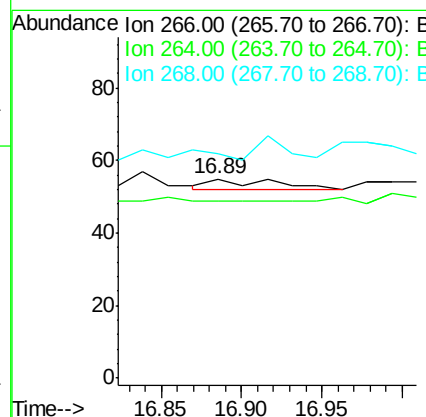
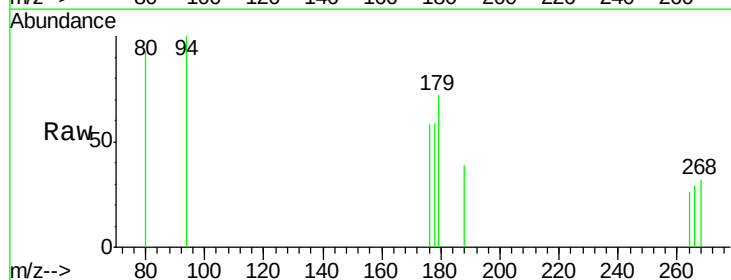
Instrument :
 BNA_M
 ClientSampleId :
 A4FM9

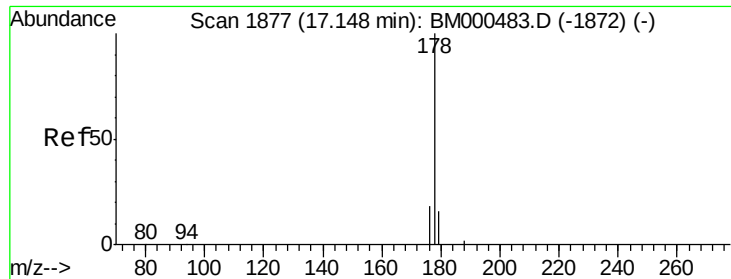
Tgt Ion:166 Resp: 2390
 Ion Ratio Lower Upper
 166 100
 165 10.1 74.4 111.6#
 167 43.0 11.3 16.9#



#11
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.89 min Scan# 1860
 Delta R.T. 0.12 min
 Lab File: BM000495.D
 Acq: 12 Feb 2015 02:18

Tgt Ion:266 Resp: 8
 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: 17.23 min Scan# 1882

Delta R.T. 0.08 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

BNA_M

ClientSampleId :

A4FM9

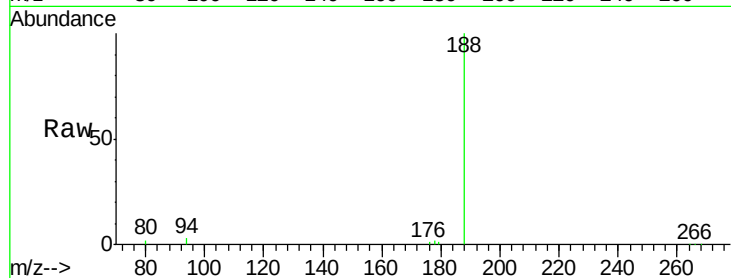
Tgt Ion:178 Resp: 1328

Ion Ratio Lower Upper

178 100

176 37.3 15.0 22.4#

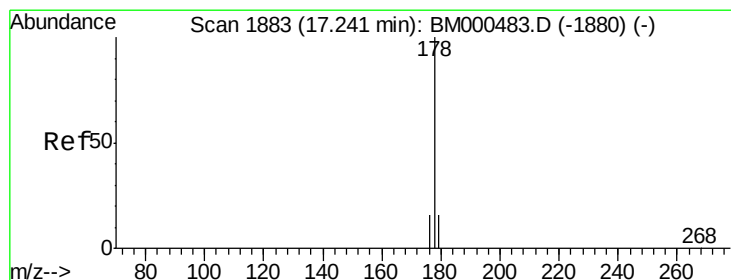
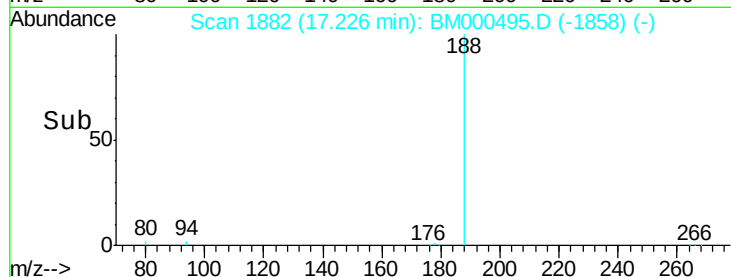
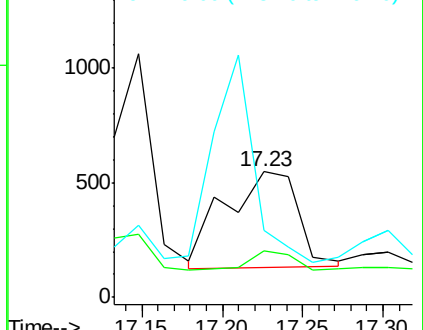
179 53.7 13.0 19.4#



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: 17.38 min Scan# 1892

Delta R.T. 0.14 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

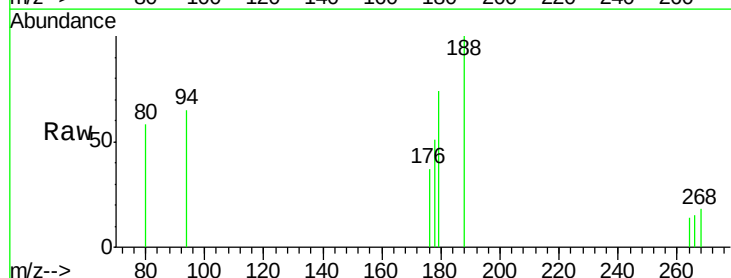
Tgt Ion:178 Resp: 181

Ion Ratio Lower Upper

178 100

176 72.6 13.9 20.9#

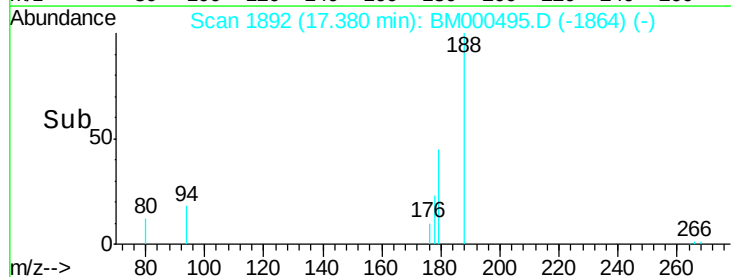
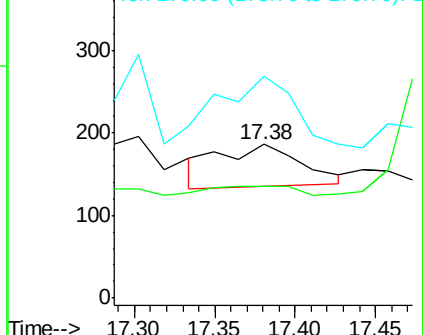
179 144.6 13.2 19.8#

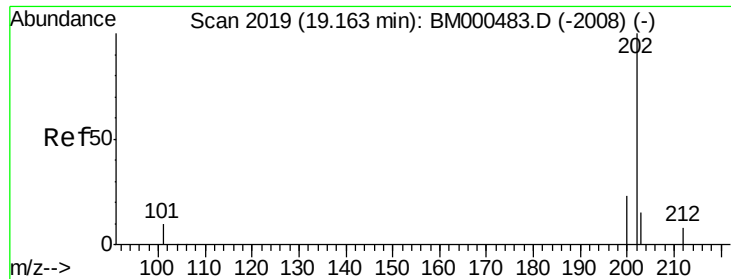


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.18 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

BNA_M

ClientSampleId :

A4FM9

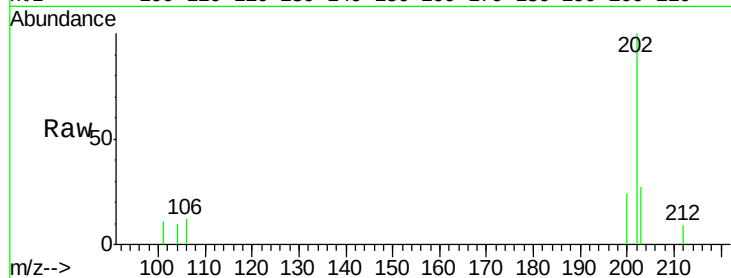
Tgt Ion:202 Resp: 2887

Ion Ratio Lower Upper

202 100

101 10.7 0.0 24.6

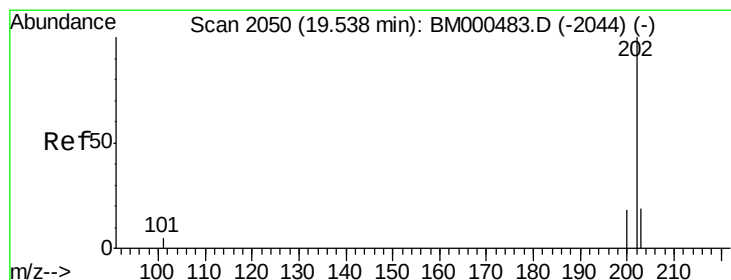
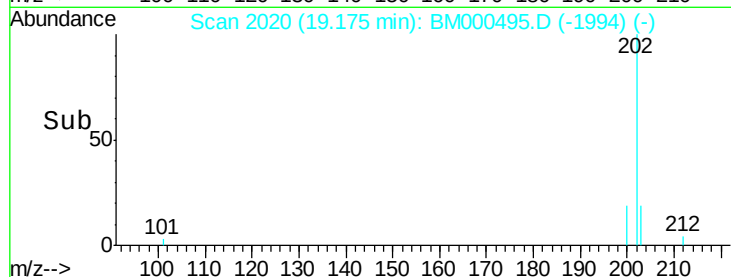
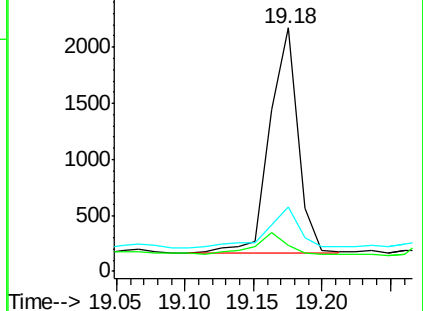
203 26.6 0.0 39.2



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: 0.10 ng/ul

RT: 19.53 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

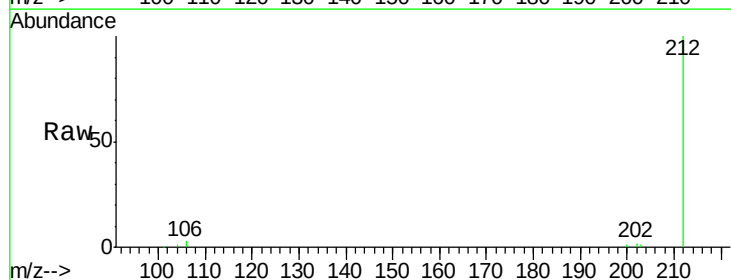
Tgt Ion:202 Resp: 4364

Ion Ratio Lower Upper

202 100

200 29.8 14.9 22.3#

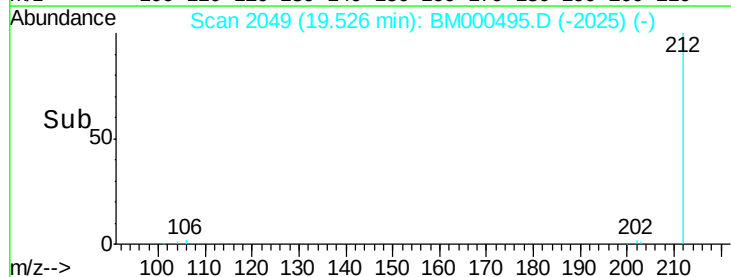
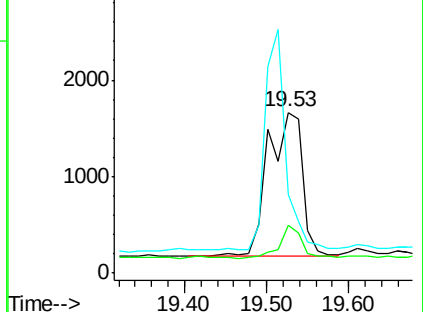
203 49.0 15.4 23.0#

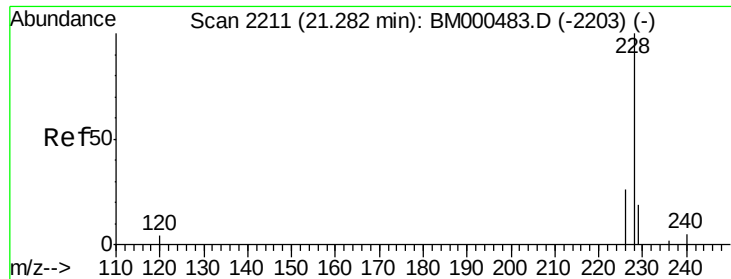


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.28 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

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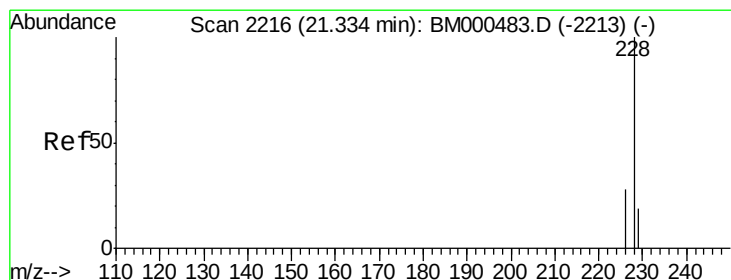
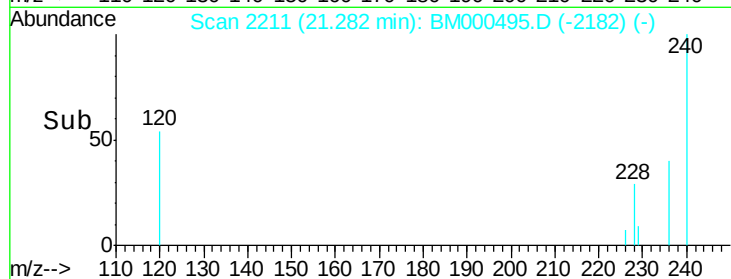
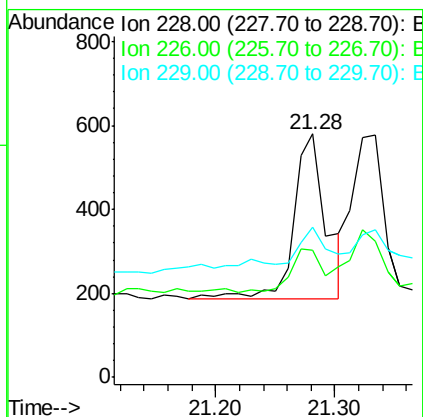
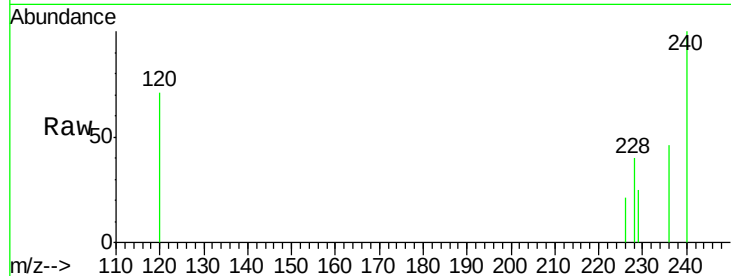
Tgt Ion:228 Resp: 751

Ion Ratio Lower Upper

228 100

226 52.4 21.4 32.0#

229 61.9 15.6 23.4#



#19

Chrysene

Concen: 0.02 ng/ul

RT: 21.33 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

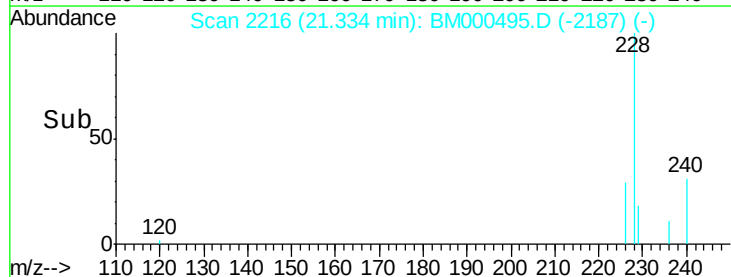
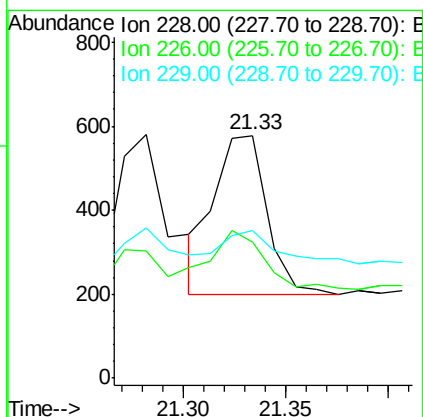
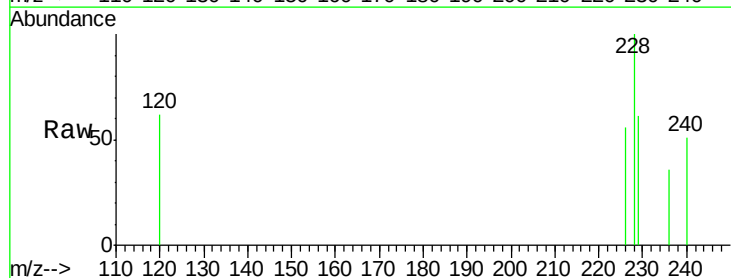
Tgt Ion:228 Resp: 683

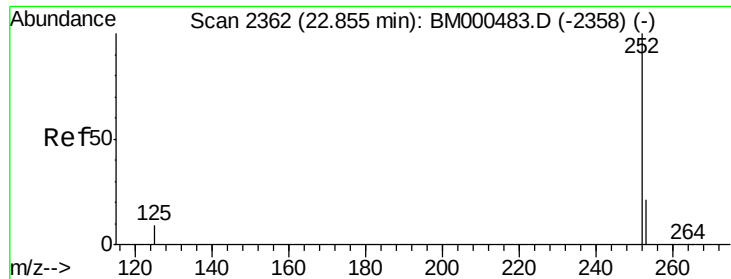
Ion Ratio Lower Upper

228 100

226 56.1 23.0 34.6#

229 61.1 15.9 23.9#





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.61 min Scan# 2338

Delta R.T. -0.25 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

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ClientSampleId :

A4FM9

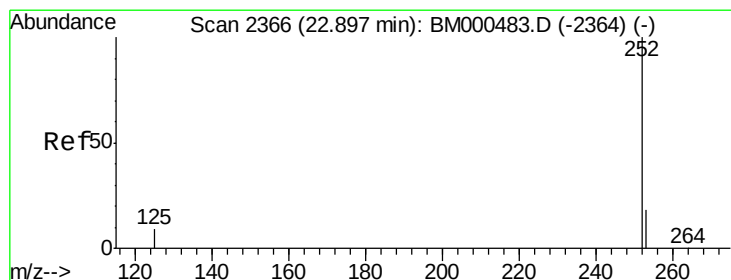
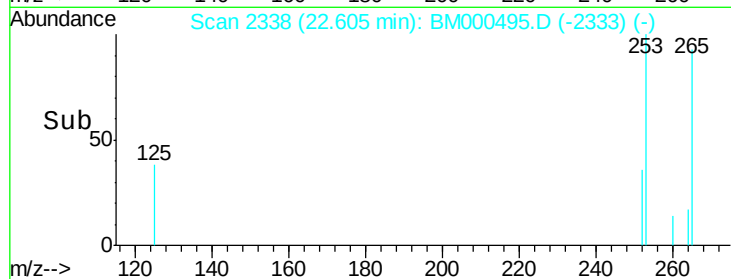
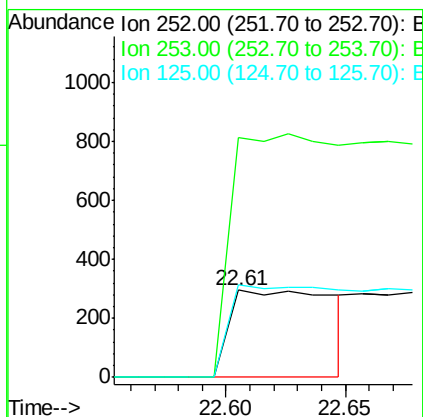
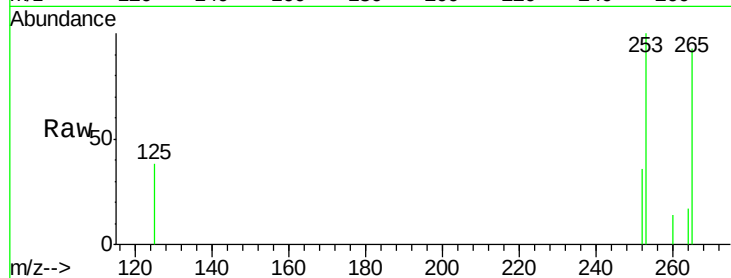
Tgt Ion:252 Resp: 890

Ion Ratio Lower Upper

252 100

253 275.9 0.0 49.0#

125 105.8 0.0 18.4#



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.86 min Scan# 2362

Delta R.T. -0.04 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

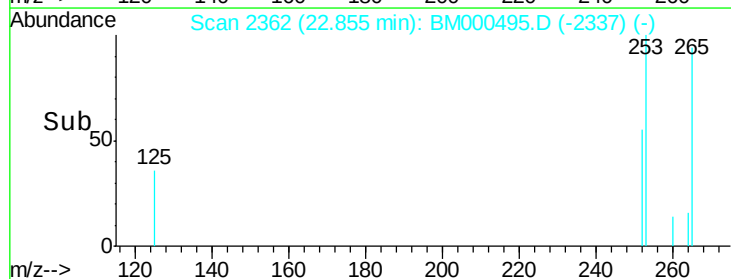
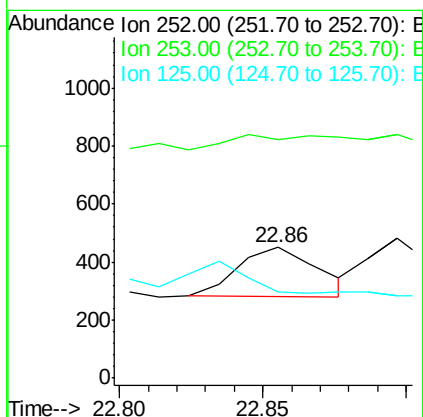
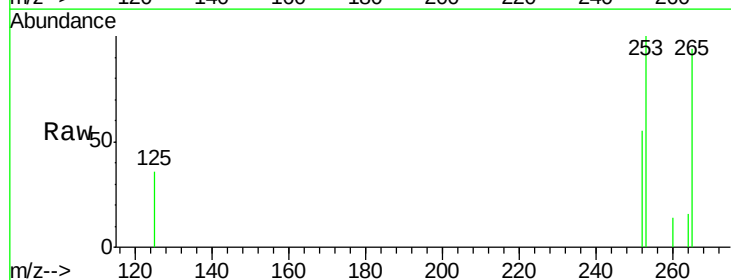
Tgt Ion:252 Resp: 321

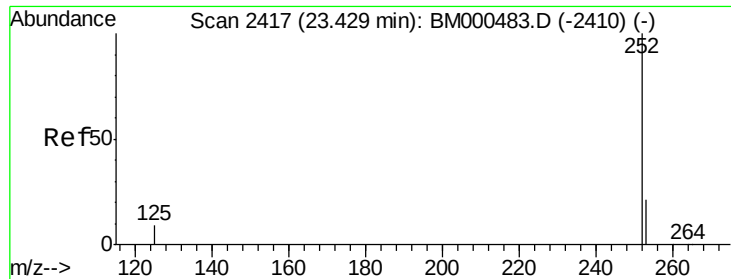
Ion Ratio Lower Upper

252 100

253 183.1 19.8 29.6#

125 66.0 7.6 11.4#





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.39 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

BNA_M

ClientSampleId :

A4FM9

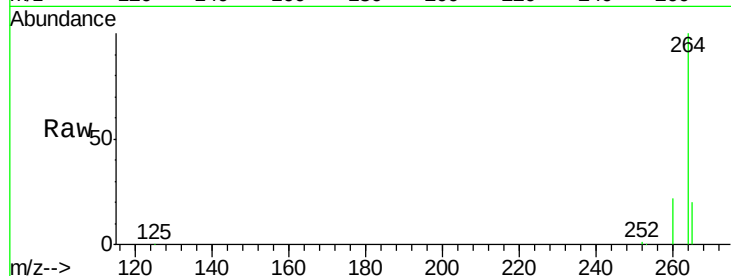
Tgt Ion:252 Resp: 2666

Ion Ratio Lower Upper

252 100

253 84.4 21.2 31.8#

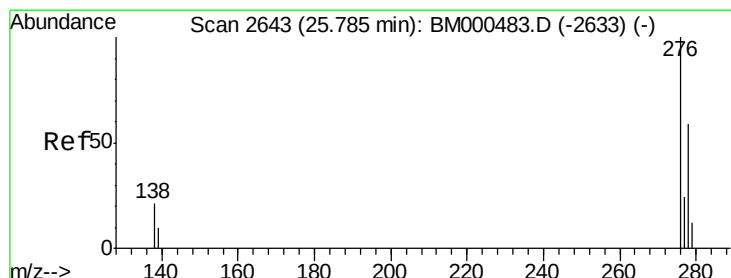
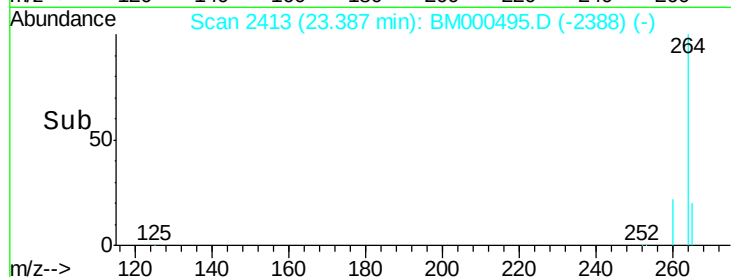
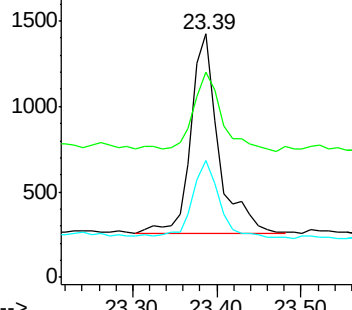
125 47.9 8.4 12.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.61 min Scan# 2626

Delta R.T. -0.18 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

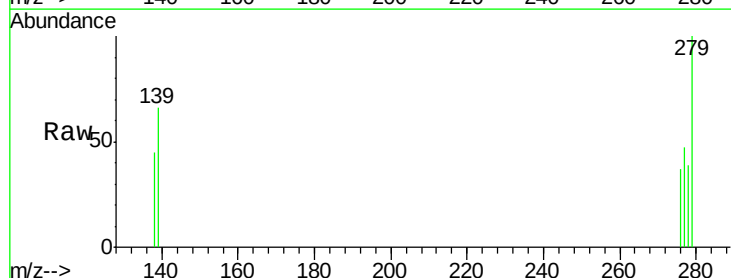
Tgt Ion:276 Resp: 11

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

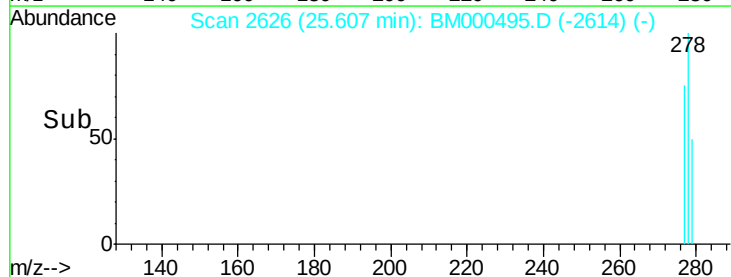
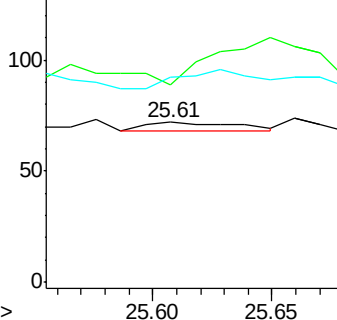
277 0.0 20.0 30.0#

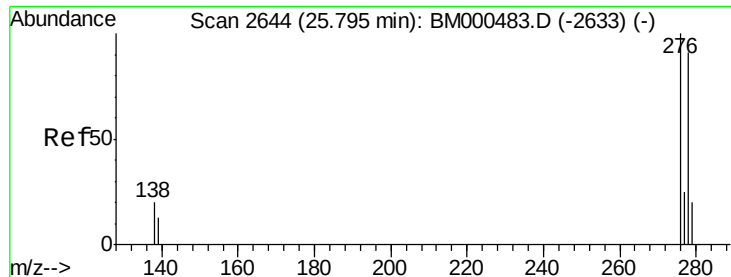


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.67 min Scan# 2632

Delta R.T. -0.13 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

Instrument :

BNA_M

ClientSampleId :

A4FM9

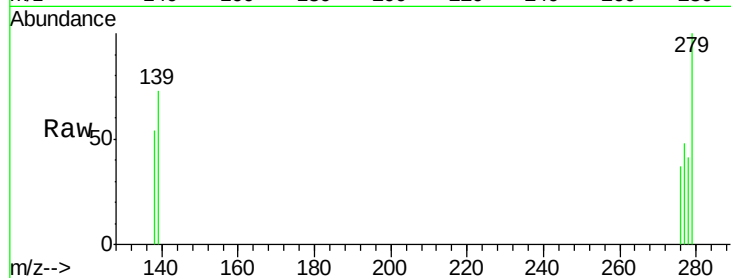
Tgt Ion:278 Resp: 13

Ion Ratio Lower Upper

278 100

139 179.5 13.4 20.0#

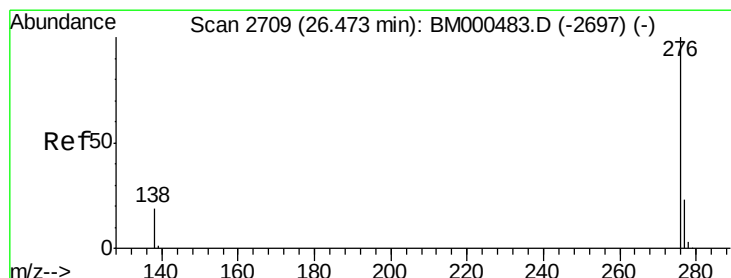
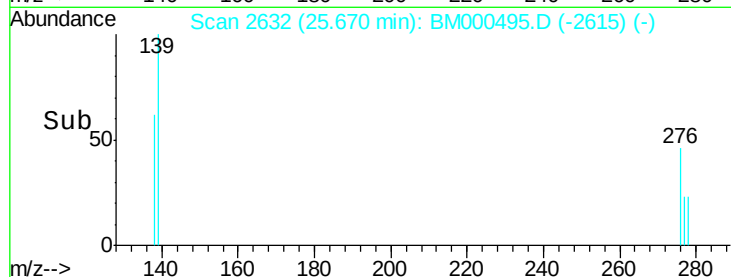
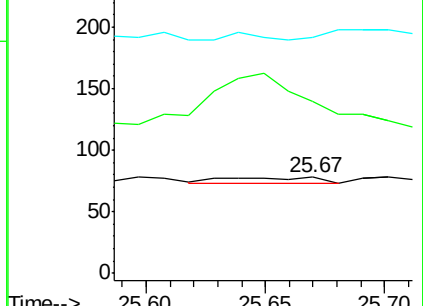
279 246.2 21.3 31.9#



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: 26.21 min Scan# 2684

Delta R.T. -0.26 min

Lab File: BM000495.D

Acq: 12 Feb 2015 02:18

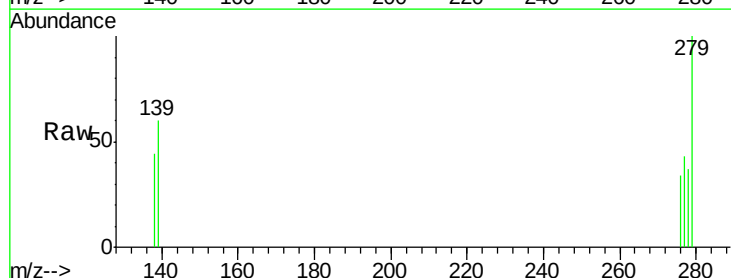
Tgt Ion:276 Resp: 12

Ion Ratio Lower Upper

276 100

277 126.5 20.2 30.4#

138 129.4 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

