

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021115\
 Data File : BM000487.D
 Acq On : 11 Feb 2015 21:34
 Operator : TP/IZ
 Sample : G1249-03MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FL2MS

Quant Time: Feb 12 00:08:48 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	3292	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	11438	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7410	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	1221723	0.40	ng/ul	0.11
16) Chrysene-d12	21.30	240	10135	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	692203	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	6832	0.45	ng/ul	0.00
14) Fluoranthene-d10	19.50	212	1132654	0.42	ng/ul	0.36

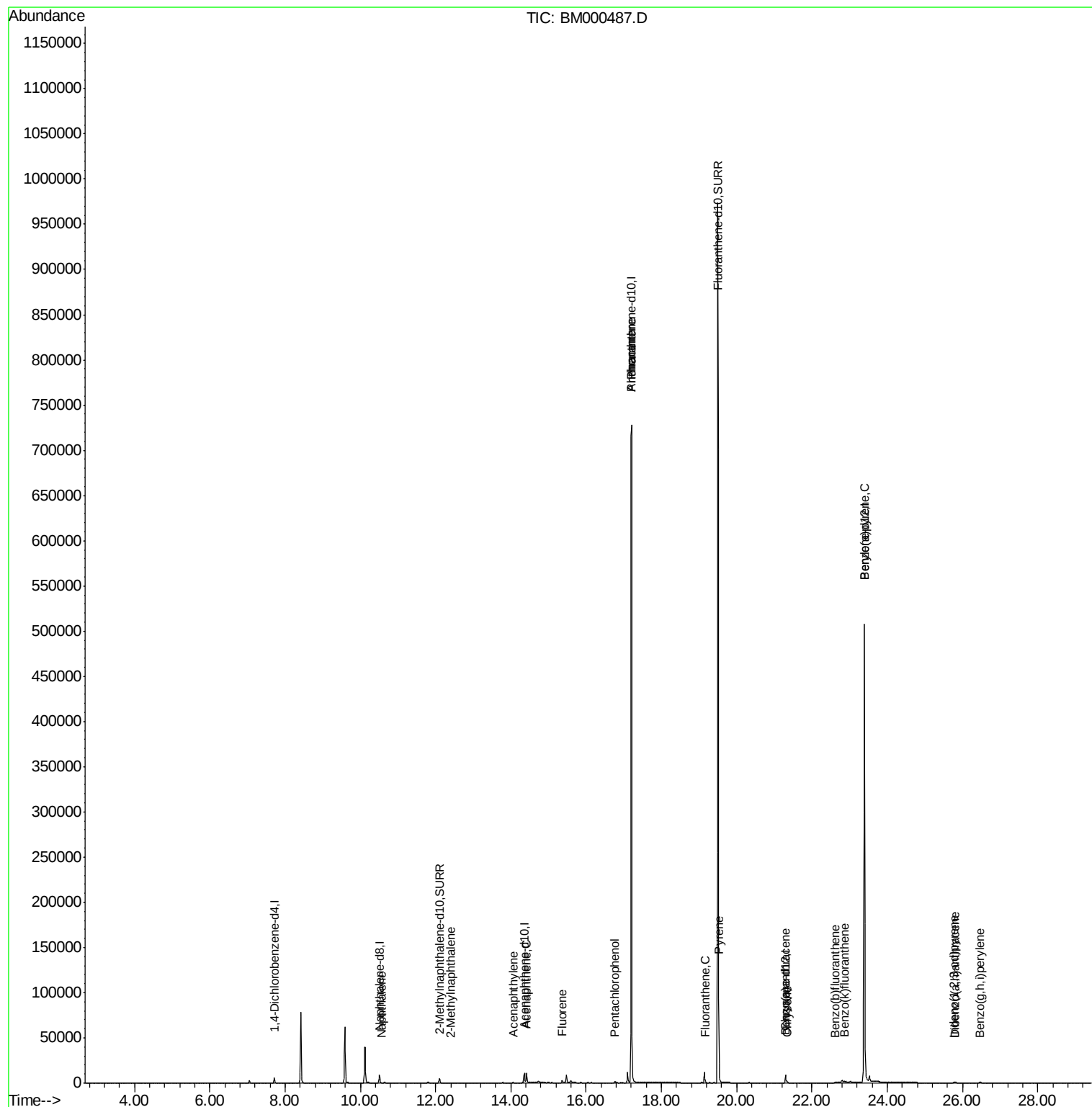
Target Compounds				Qvalue		
3) Naphthalene	10.55	128	139	0.00	ng/ul#	11
5) 2-Methylnaphthalene	12.40	142	34	0.00	ng/ul	96
7) Acenaphthylene	14.05	152	164	0.01	ng/ul#	1
8) Acenaphthene	14.41	153	7625	0.34	ng/ul	95
9) Fluorene	15.35	166	2383	0.09	ng/ul#	18
11) Pentachlorophenol	16.76	266	1078	0.01	ng/ul	99
12) Phenanthrene	17.19	178	1058	0.00	ng/ul#	1
13) Anthracene	17.19	178	1046	0.00	ng/ul#	1
15) Fluoranthene	19.16	202	841	0.00	ng/ul	77
17) Pyrene	19.53	202	20818	0.56	ng/ul#	94
18) Benzo(a)anthracene	21.28	228	1234	0.04	ng/ul#	90
19) Chrysene	21.33	228	1361	0.04	ng/ul#	92
21) Benzo(b)fluoranthene	22.62	252	456	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.86	252	1213	0.00	ng/ul#	29
23) Benzo(a)pyrene	23.39	252	4022	0.00	ng/ul#	35
24) Indeno(1,2,3-cd)pyrene	25.77	276	874	0.00	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.80	278	716	0.00	ng/ul#	32
26) Benzo(g,h,i)perylene	26.46	276	826	0.00	ng/ul#	66

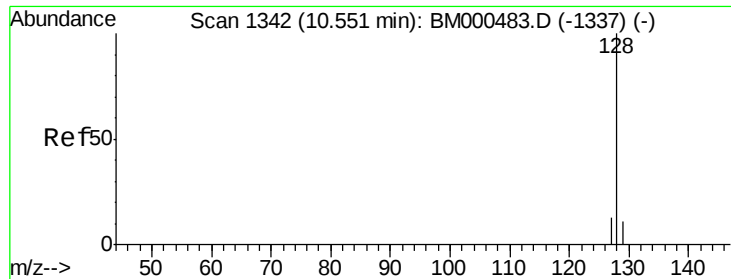
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.00 ng/ul

RT: 10.55 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

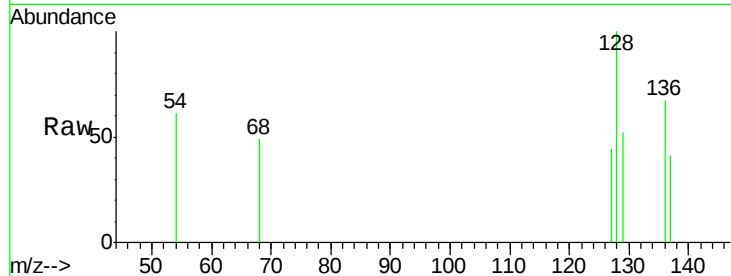
Tgt Ion:128 Resp: 139

Ion Ratio Lower Upper

128 100

129 52.2 9.2 13.8#

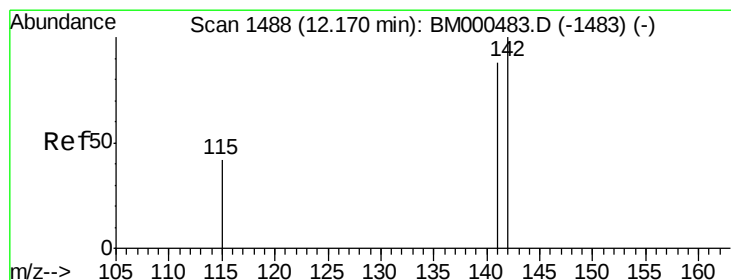
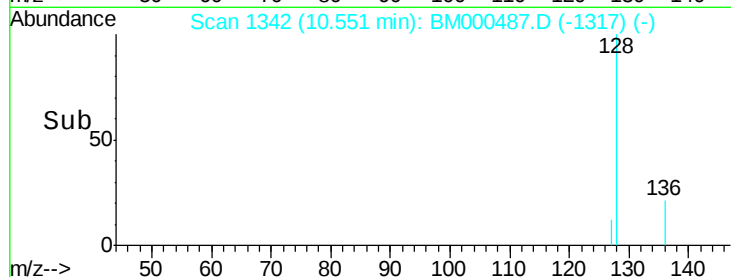
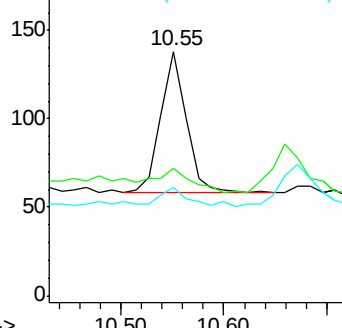
127 44.2 11.2 16.8#



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: 12.40 min Scan# 1510

Delta R.T. 0.23 min

Lab File: BM000487.D

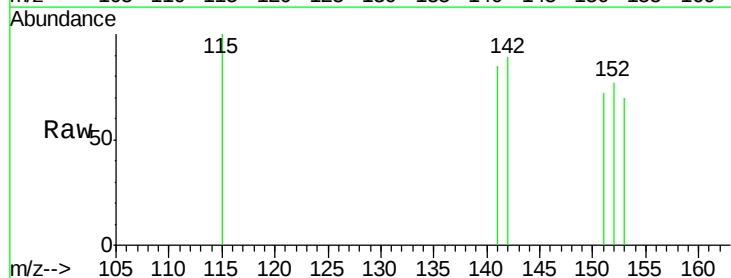
Acq: 11 Feb 2015 21:34

Tgt Ion:142 Resp: 34

Ion Ratio Lower Upper

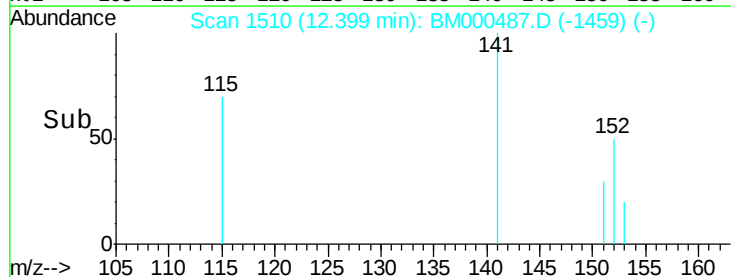
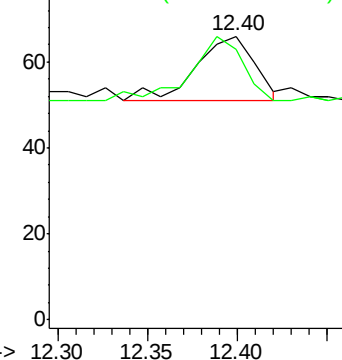
142 100

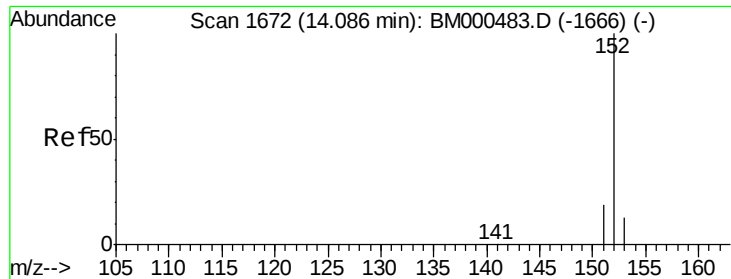
141 91.2 70.3 105.5



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: 14.05 min Scan# 1669

Delta R.T. -0.03 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

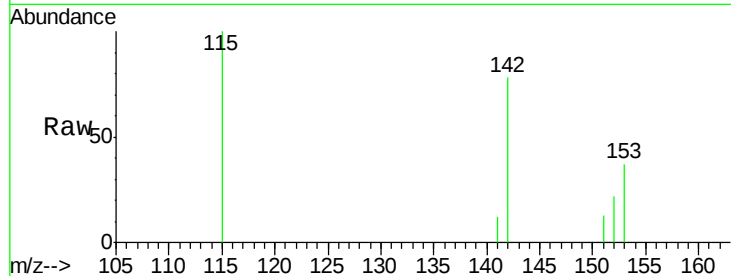
Tgt Ion:152 Resp: 164

Ion Ratio Lower Upper

152 100

151 57.4 16.1 24.1#

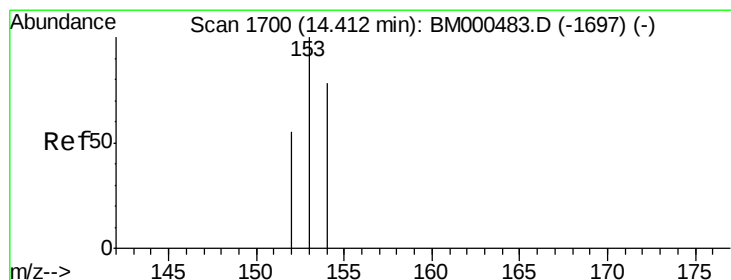
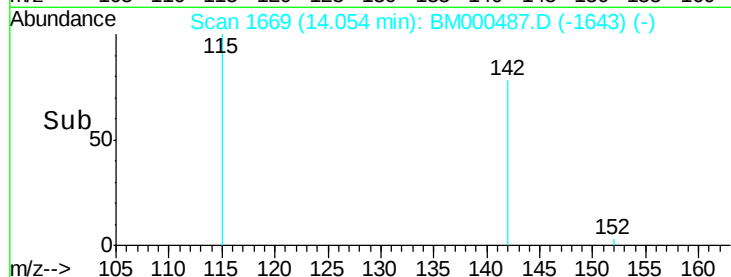
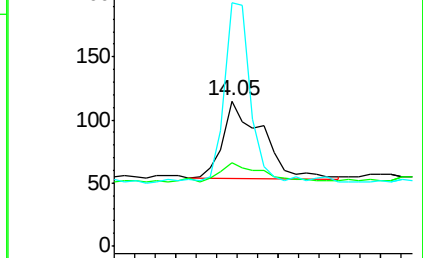
153 167.8 10.6 15.8#



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: 0.34 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

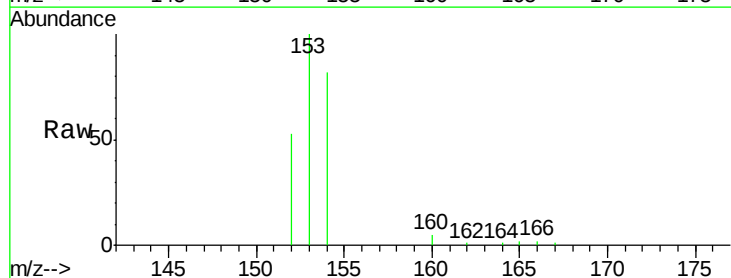
Tgt Ion:153 Resp: 7625

Ion Ratio Lower Upper

153 100

152 53.2 45.6 68.4

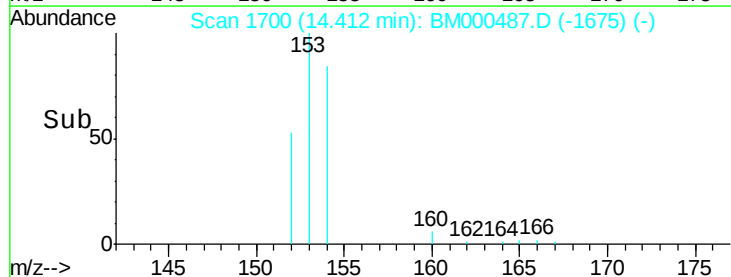
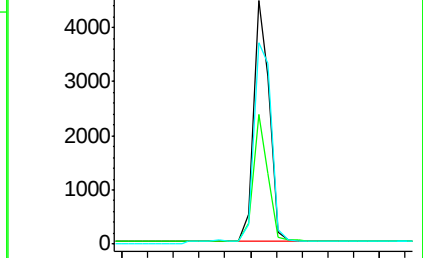
154 82.5 62.5 93.7

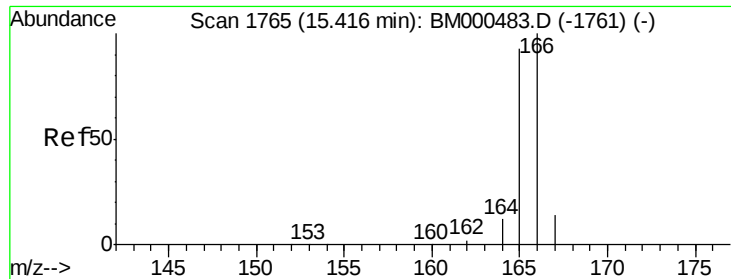


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

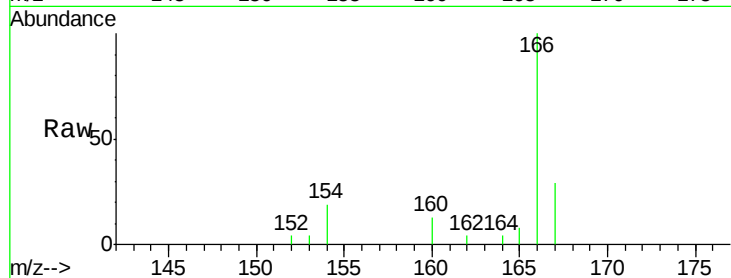
Tgt Ion:166 Resp: 2383

Ion Ratio Lower Upper

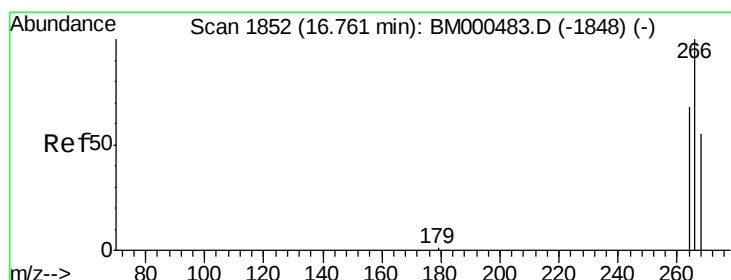
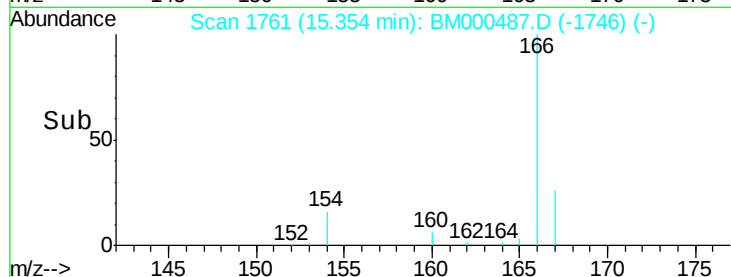
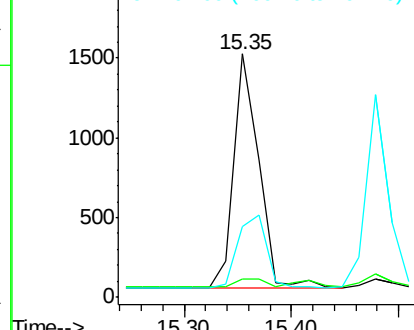
166 100

165 7.7 74.4 111.6#

167 28.9 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: 0.01 ng/ul

RT: 16.76 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

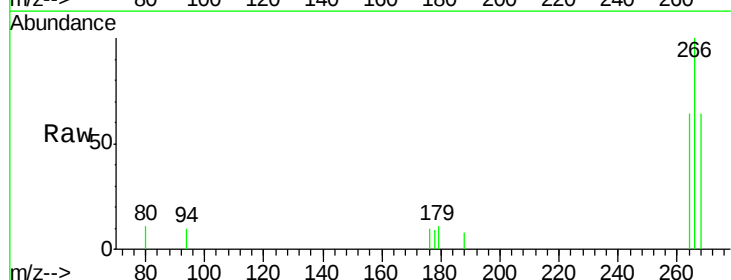
Tgt Ion:266 Resp: 1078

Ion Ratio Lower Upper

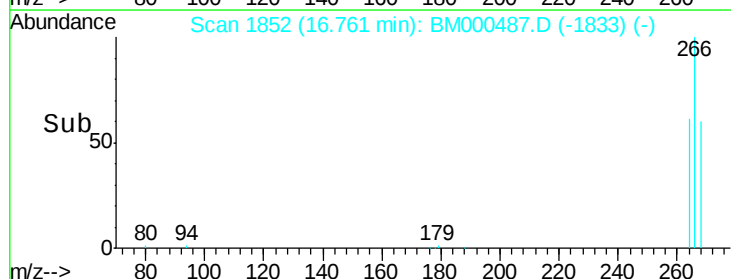
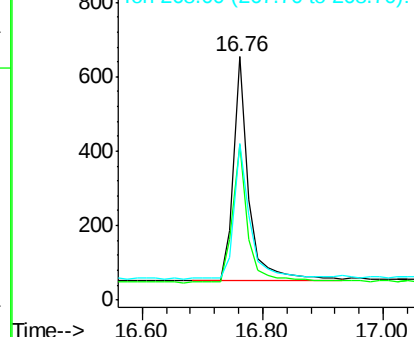
266 100

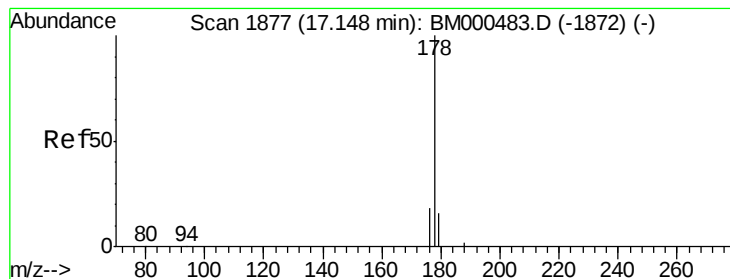
264 62.0 49.8 74.6

268 62.4 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: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

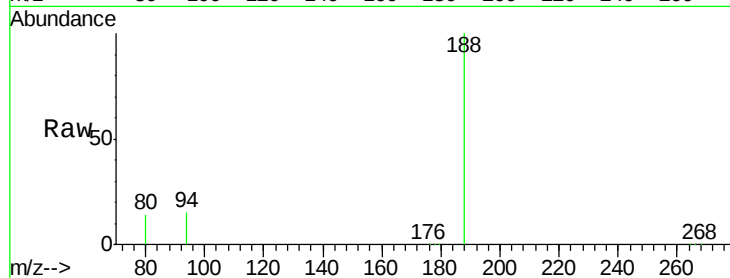
Tgt Ion:178 Resp: 1058

Ion Ratio Lower Upper

178 100

176 20.3 15.0 22.4

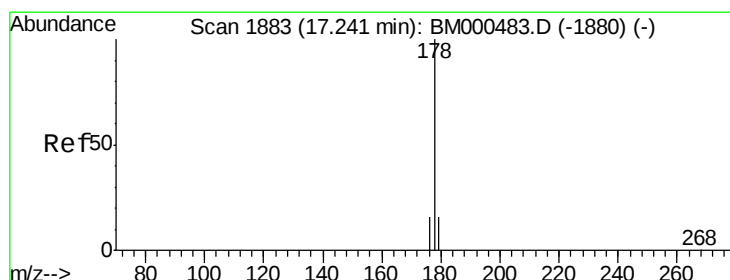
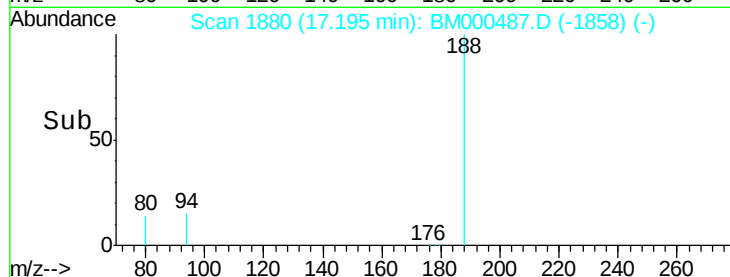
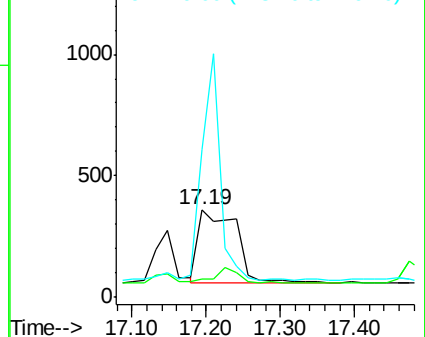
179 168.9 13.0 19.4#



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: 17.19 min Scan# 1880

Delta R.T. -0.05 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

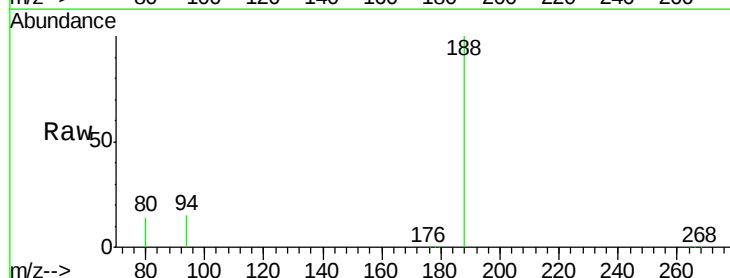
Tgt Ion:178 Resp: 1046

Ion Ratio Lower Upper

178 100

176 20.3 13.9 20.9

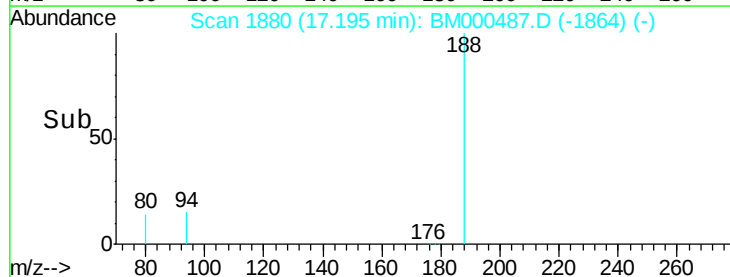
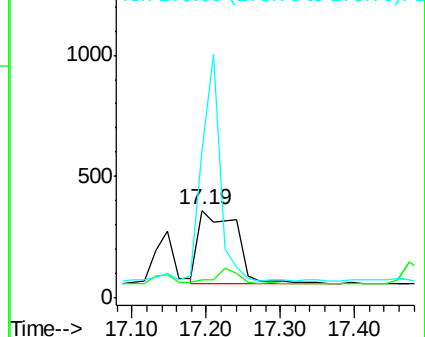
179 168.9 13.2 19.8#

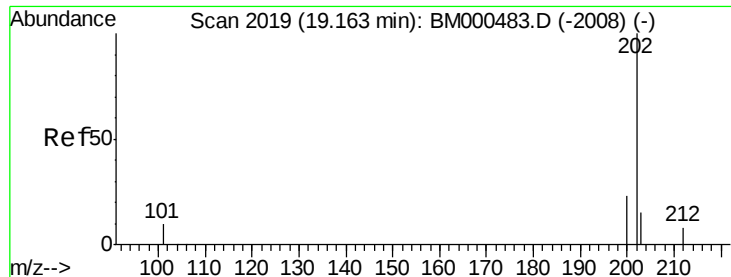


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

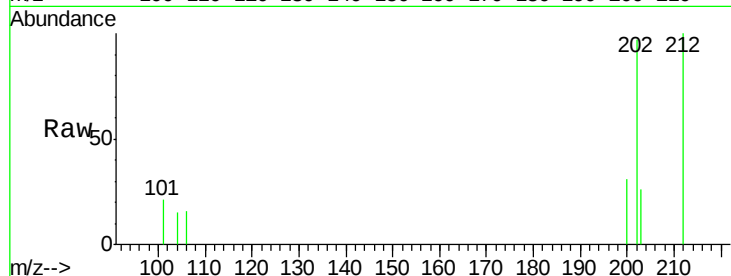
Tgt Ion:202 Resp: 841

Ion Ratio Lower Upper

202 100

101 21.7 0.0 24.6

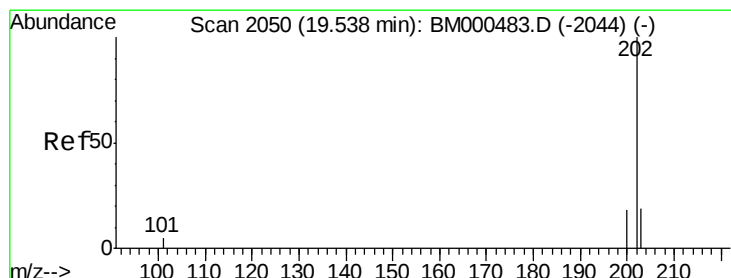
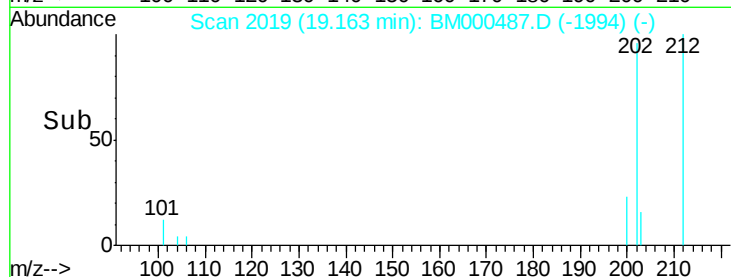
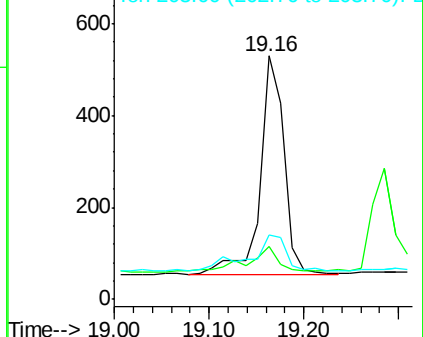
203 26.4 0.0 39.2



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: 0.56 ng/ul

RT: 19.53 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

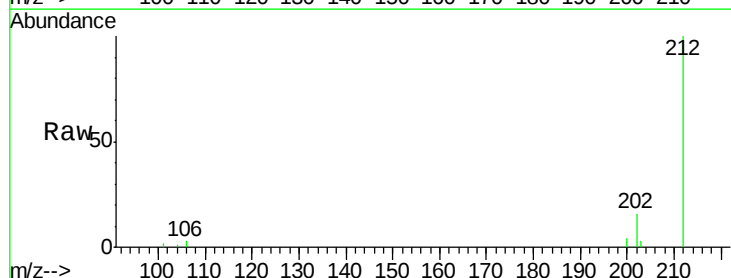
Tgt Ion:202 Resp: 20818

Ion Ratio Lower Upper

202 100

200 23.7 14.9 22.3#

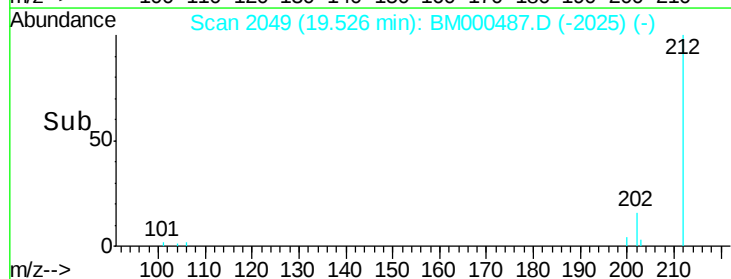
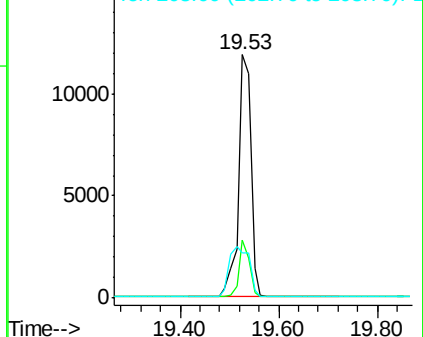
203 18.5 15.4 23.0

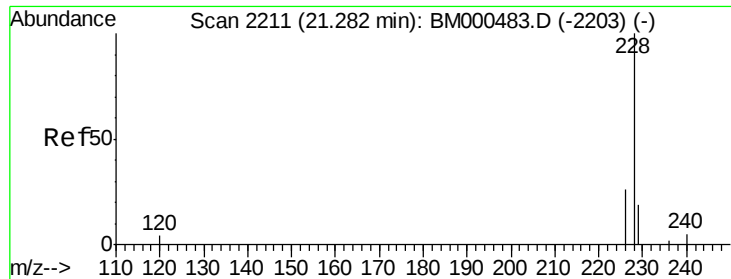


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.28 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

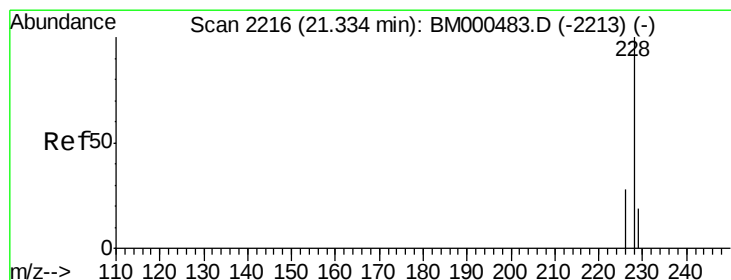
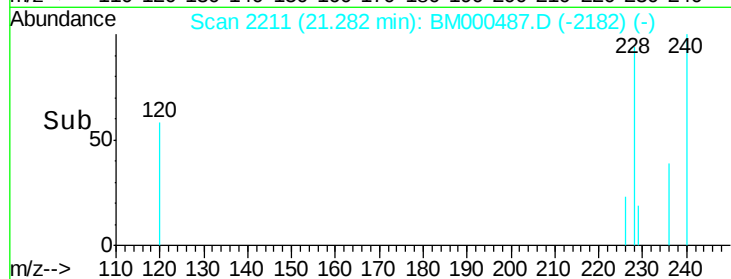
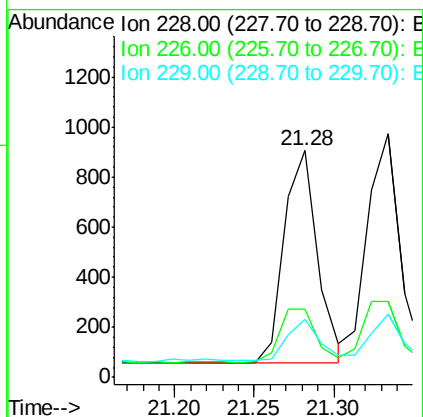
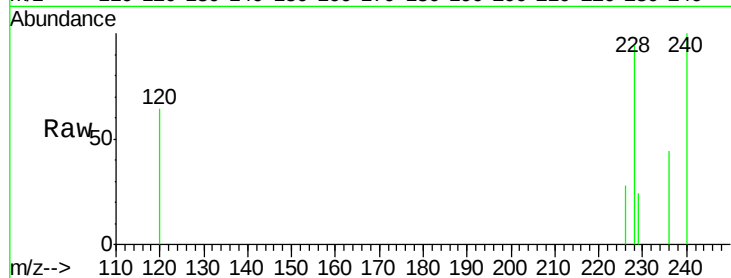
Tgt Ion:228 Resp: 1234

Ion Ratio Lower Upper

228 100

226 29.9 21.4 32.0

229 25.9 15.6 23.4#



#19

Chrysene

Concen: 0.04 ng/ul

RT: 21.33 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

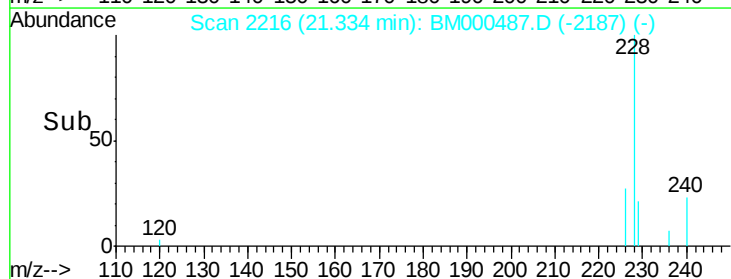
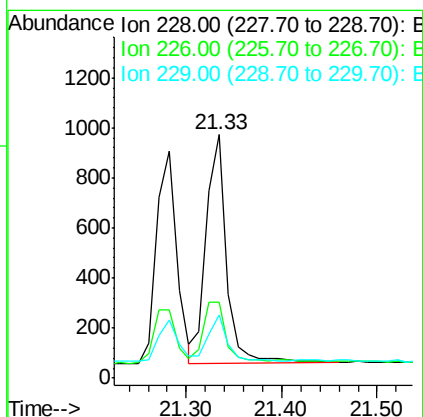
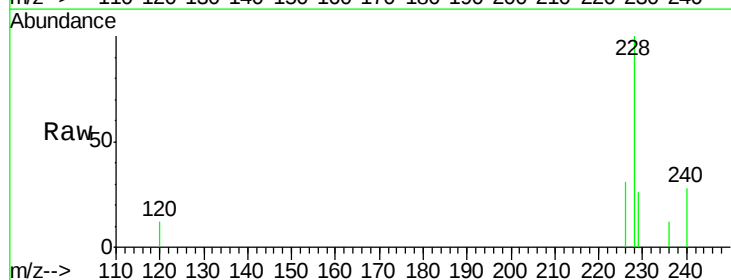
Tgt Ion:228 Resp: 1361

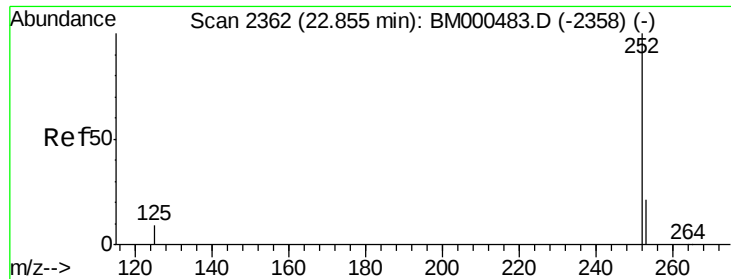
Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.6

229 26.1 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: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

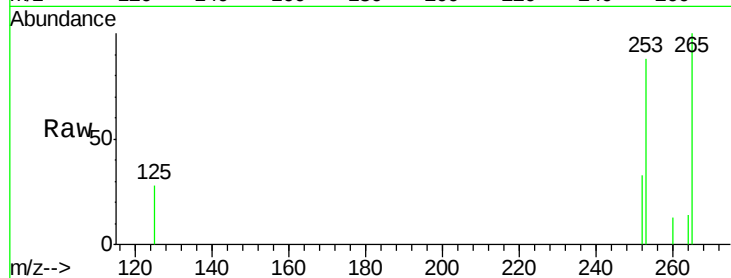
Tgt Ion:252 Resp: 456

Ion Ratio Lower Upper

252 100

253 266.0 0.0 49.0#

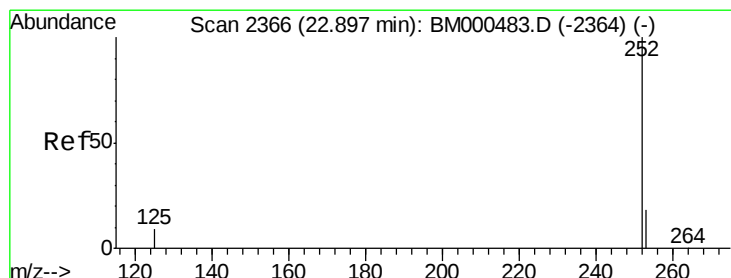
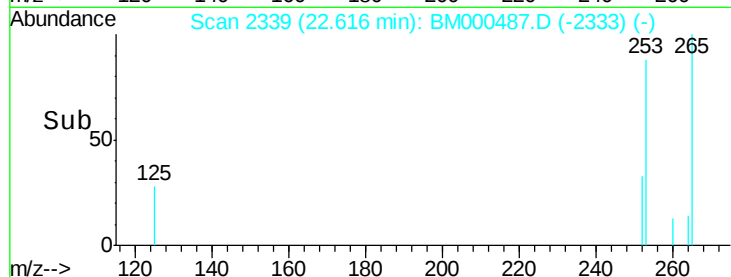
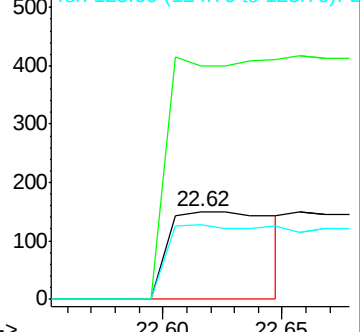
125 85.3 0.0 18.4#



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: BM000487.D

Acq: 11 Feb 2015 21:34

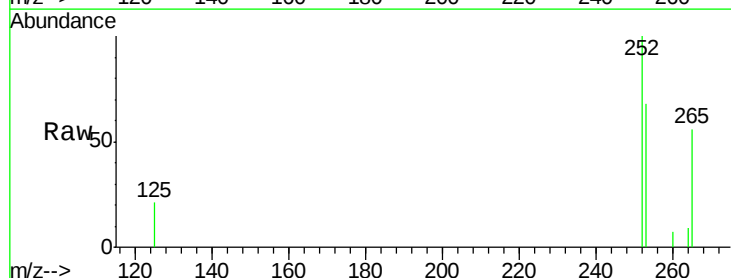
Tgt Ion:252 Resp: 1213

Ion Ratio Lower Upper

252 100

253 67.6 19.8 29.6#

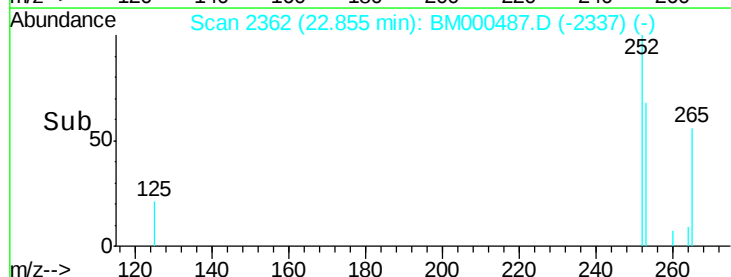
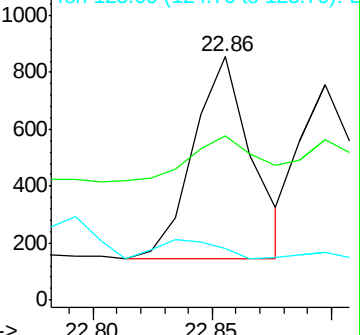
125 21.3 7.6 11.4#

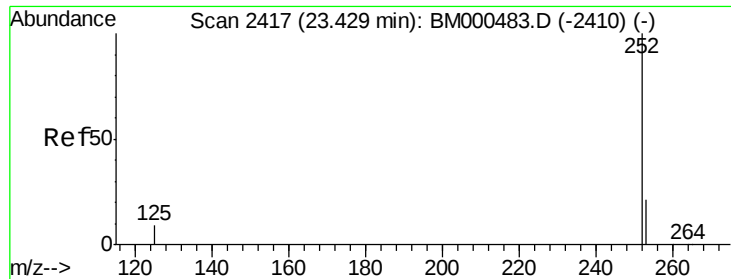


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 23.39 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

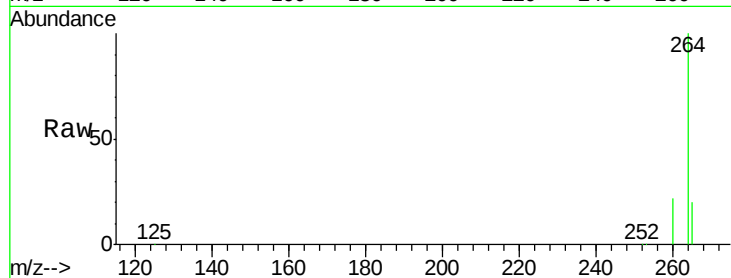
Tgt Ion: 252 Resp: 4022

Ion Ratio Lower Upper

252 100

253 58.4 21.2 31.8#

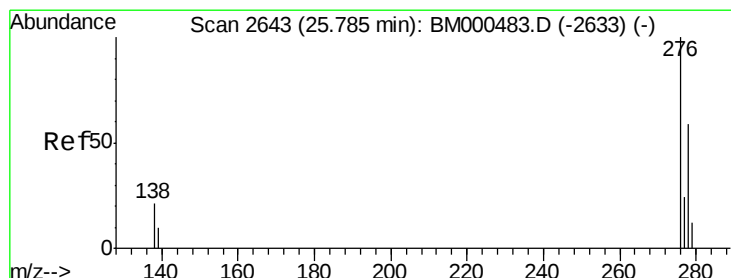
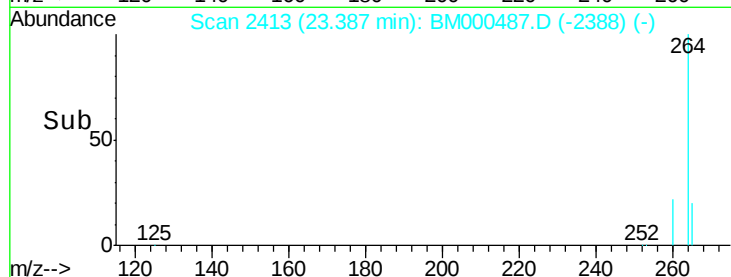
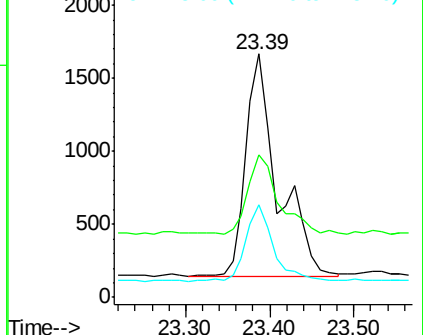
125 38.0 8.4 12.6#



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: 25.77 min Scan# 2642

Delta R.T. -0.01 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

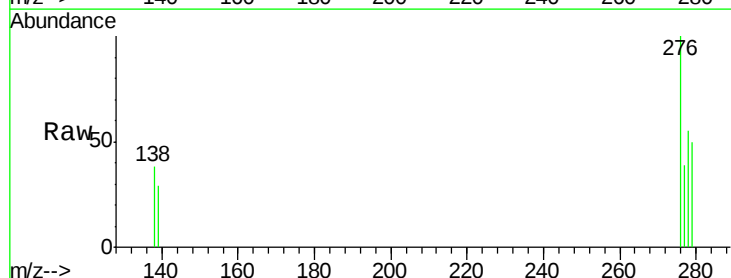
Tgt Ion: 276 Resp: 874

Ion Ratio Lower Upper

276 100

138 24.8 16.3 24.5#

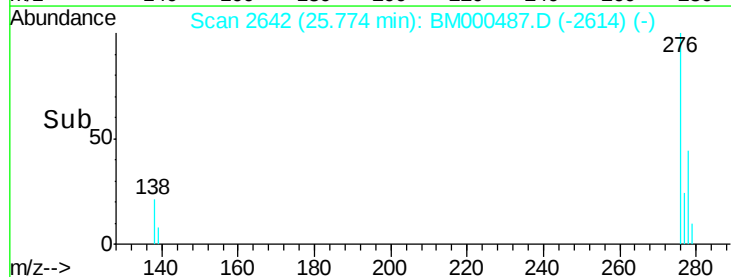
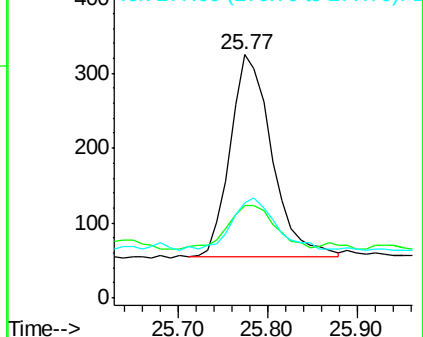
277 27.3 20.0 30.0

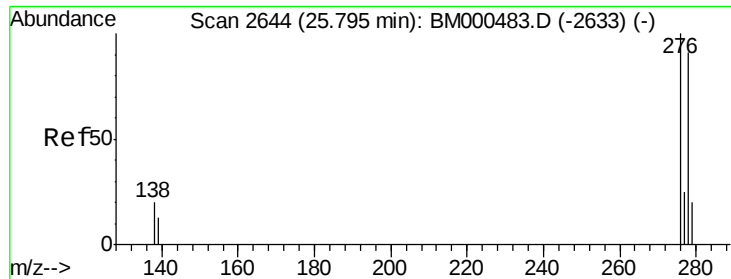


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.80 min Scan# 2644

Delta R.T. -0.00 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

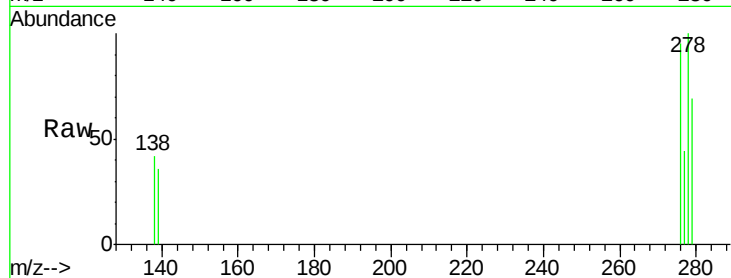
Tgt Ion:278 Resp: 716

Ion Ratio Lower Upper

278 100

139 36.0 13.4 20.0#

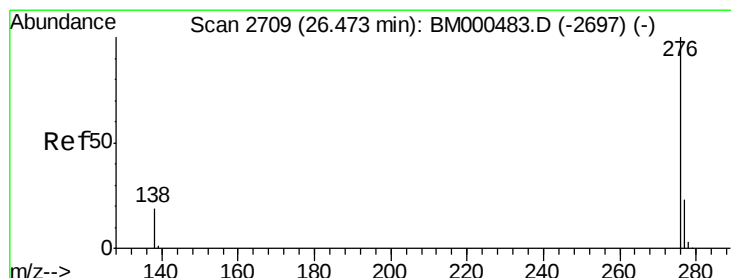
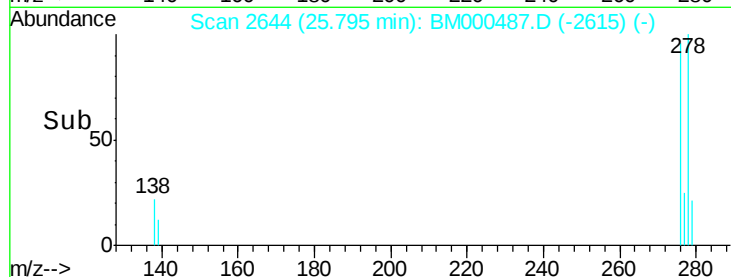
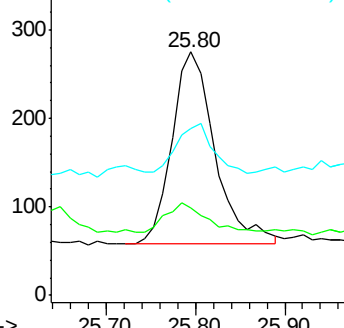
279 68.7 21.3 31.9#



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: 26.46 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BM000487.D

Acq: 11 Feb 2015 21:34

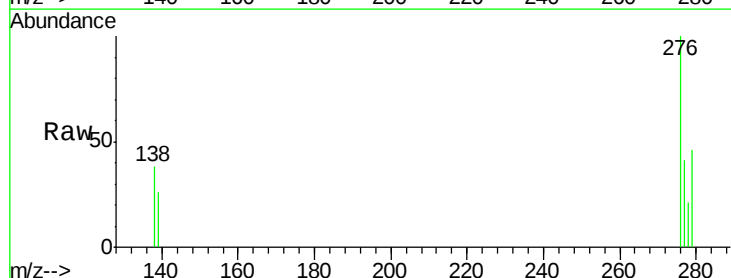
Tgt Ion:276 Resp: 826

Ion Ratio Lower Upper

276 100

277 40.5 20.2 30.4#

138 37.8 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

