

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 02:20:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 02:18:44 2016
 Response via : Initial Calibration

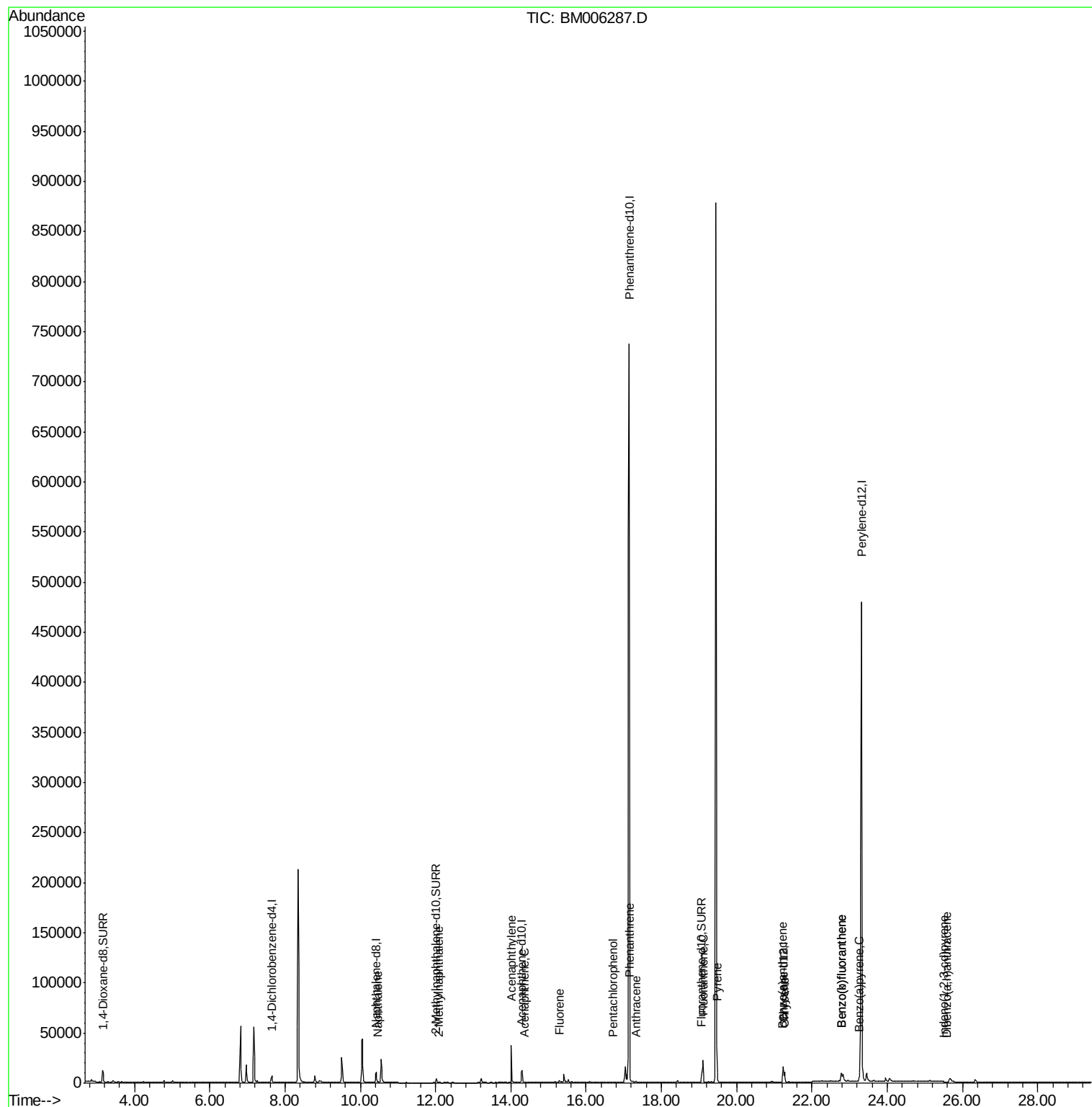
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3828	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	15280	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	9051	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1117826	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	12795	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	666209	0.40	ng/ul	-0.14
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	8749	5.41	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6683	0.37	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	13542	0.01	ng/ul	-0.01
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	1209	0.03	ng/ul#	80
7) 2-Methylnaphthalene	12.09	142	679	0.03	ng/ul	98
9) Acenaphthylene	14.01	152	1119	0.04	ng/ul#	88
10) Acenaphthene	14.35	153	361	0.01	ng/ul#	83
11) Fluorene	15.29	166	2829	0.08	ng/ul#	24
13) Pentachlorophenol	16.71	266	76	0.00	ng/ul	94
14) Phenanthrene	17.16	178	1765	0.00	ng/ul#	54
15) Anthracene	17.33	178	169	0.00	ng/ul#	1
17) Fluoranthene	19.11	202	21466	0.01	ng/ul	95
19) Pyrene	19.47	202	20858	0.39	ng/ul	96
20) Benzo(a)anthracene	21.22	228	7617	0.18	ng/ul#	92
21) Chrysene	21.27	228	9786	0.24	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	11264	0.00	ng/ul#	66
24) Benzo(k)fluoranthene	22.78	252	16150	0.01	ng/ul#	70
25) Benzo(a)pyrene	23.25	252	6171	0.00	ng/ul#	86
26) Indeno(1,2,3-cd)pyrene	25.50	276	654	0.00	ng/ul#	46
27) Dibenzo(a,h)anthracene	25.58	278	908	0.00	ng/ul#	1

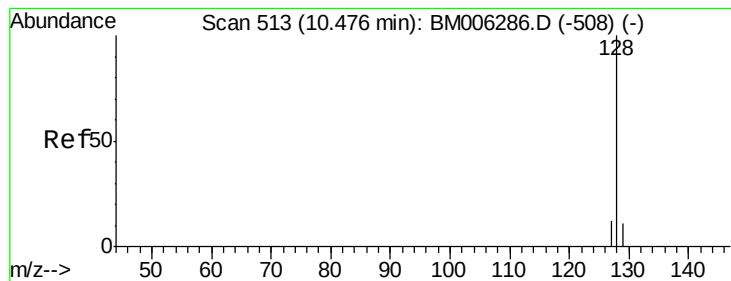
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

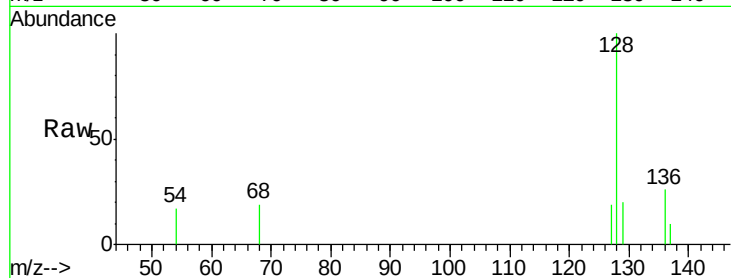
Tgt Ion:128 Resp: 1209

Ion Ratio Lower Upper

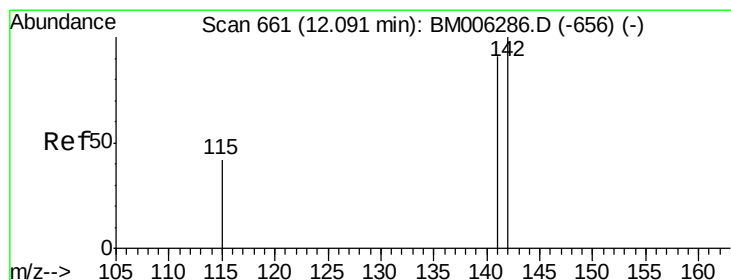
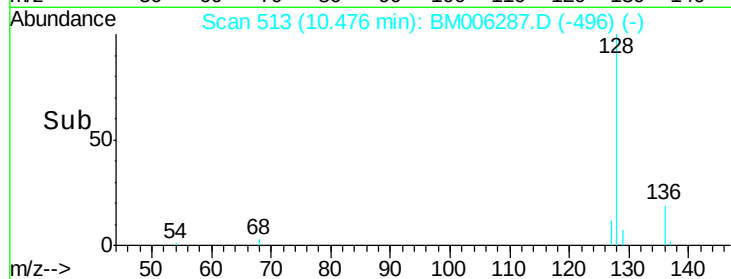
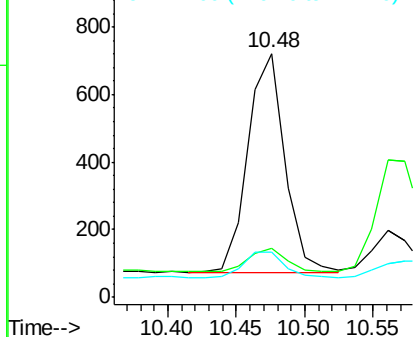
128 100

129 20.2 9.0 13.6#

127 18.7 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006287.D

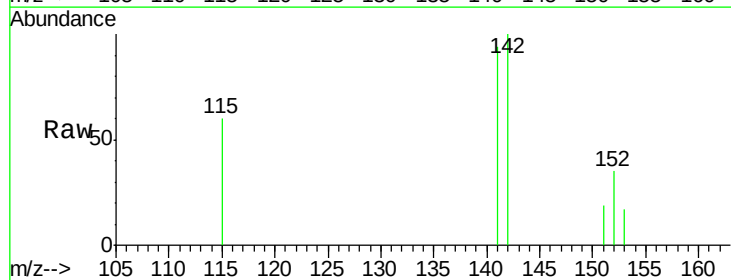
Acq: 06 Jul 2016 17:49

Tgt Ion:142 Resp: 679

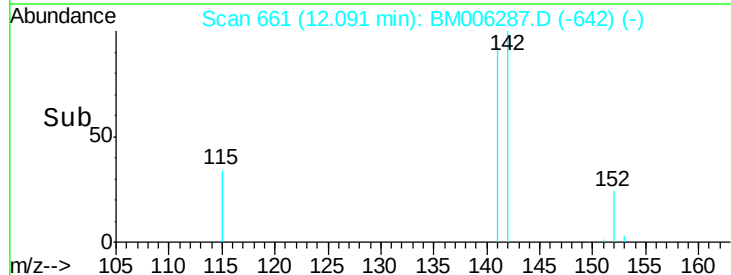
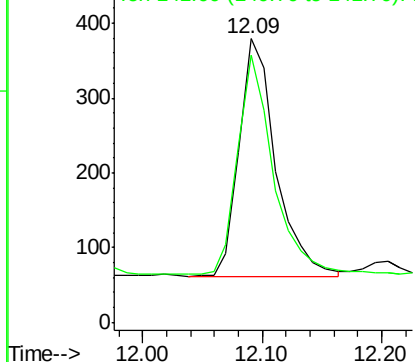
Ion Ratio Lower Upper

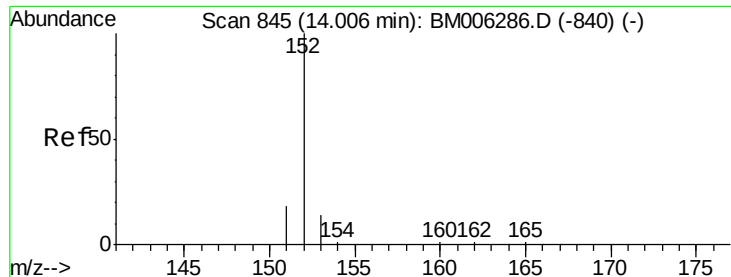
142 100

141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

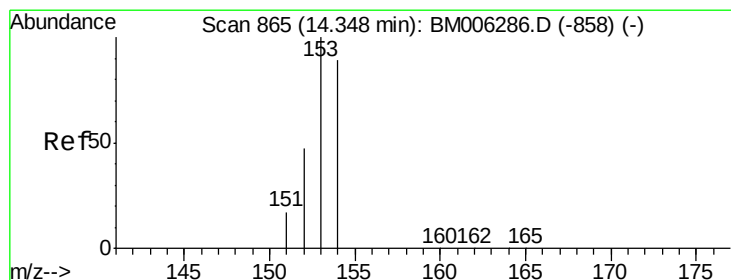
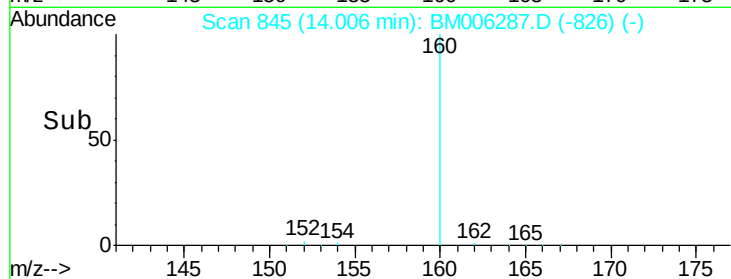
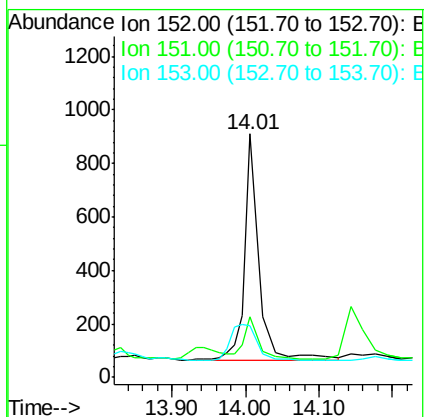
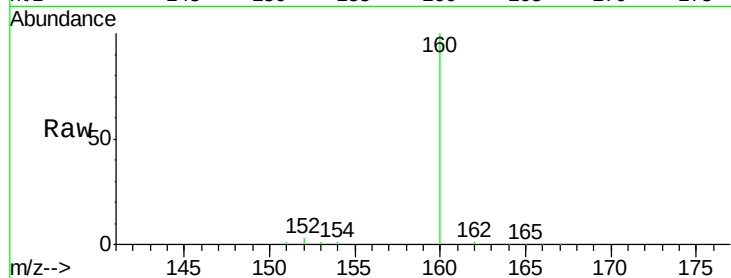
Tgt Ion:152 Resp: 1119

Ion Ratio Lower Upper

152 100

151 24.7 17.6 26.4

153 21.0 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

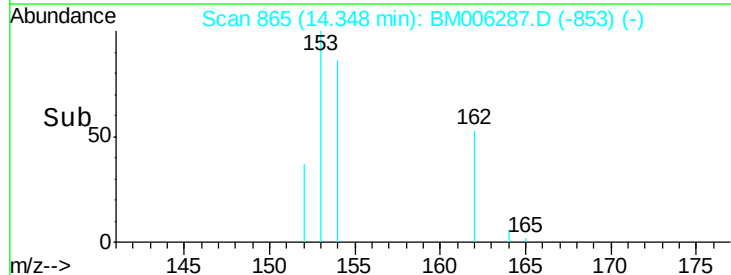
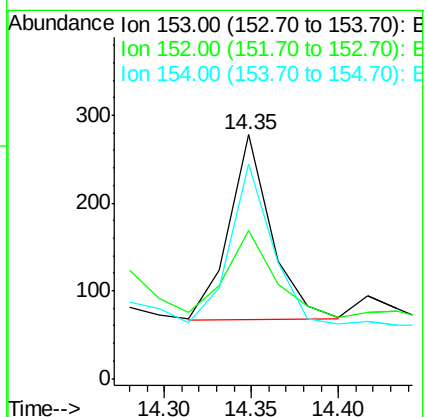
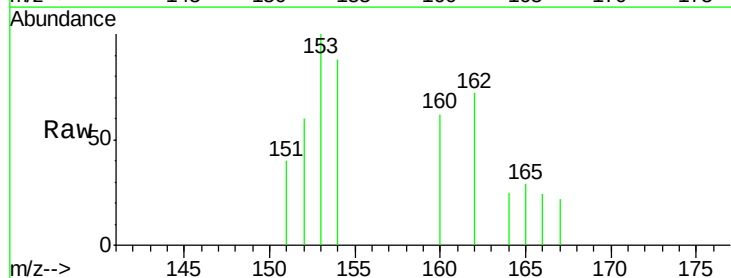
Tgt Ion:153 Resp: 361

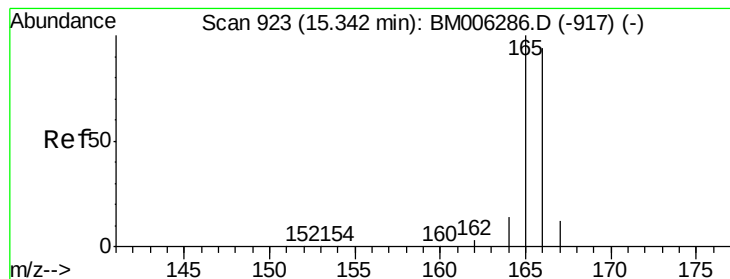
Ion Ratio Lower Upper

153 100

152 60.4 33.9 50.9#

154 88.1 80.6 121.0





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

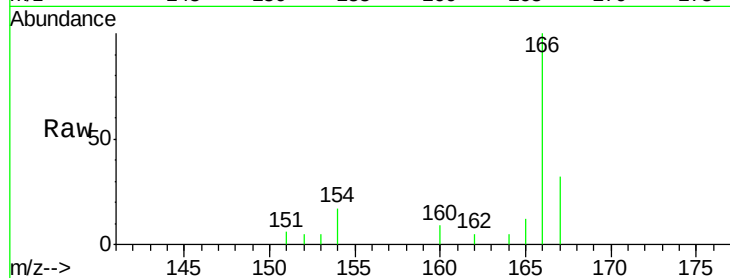
Tgt Ion:166 Resp: 2829

Ion Ratio Lower Upper

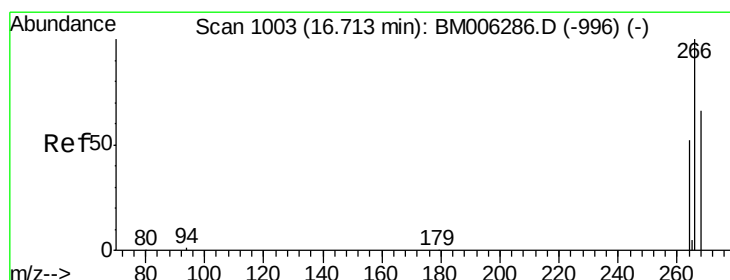
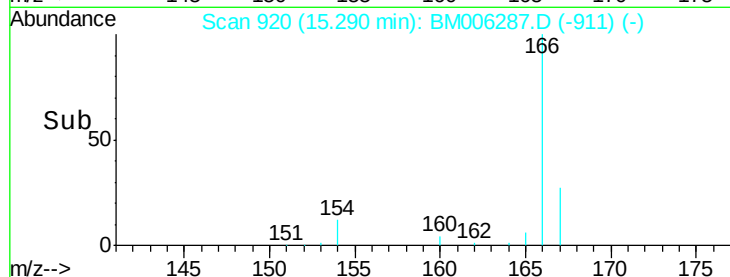
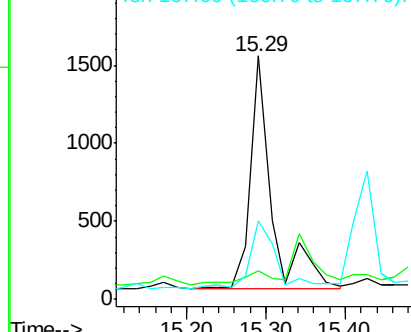
166 100

165 11.6 69.6 104.4#

167 32.0 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

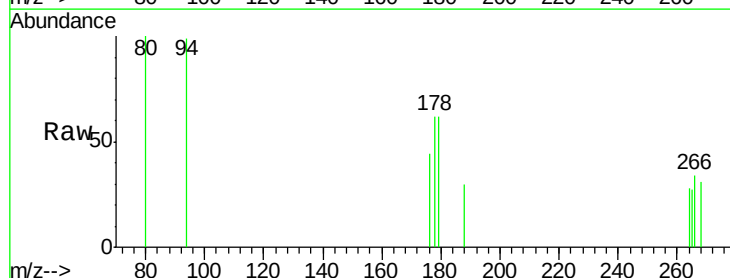
Tgt Ion:266 Resp: 76

Ion Ratio Lower Upper

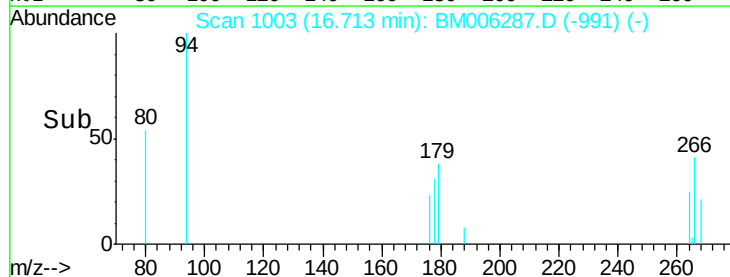
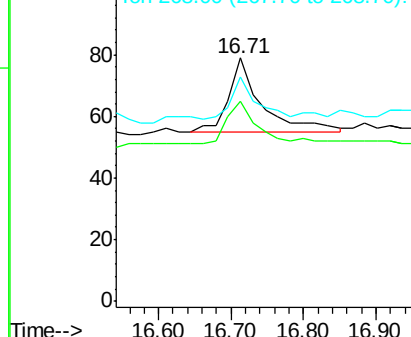
266 100

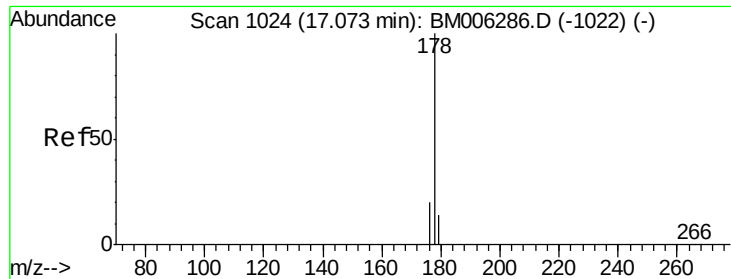
264 63.2 51.8 77.8

268 51.3 46.8 70.2



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





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

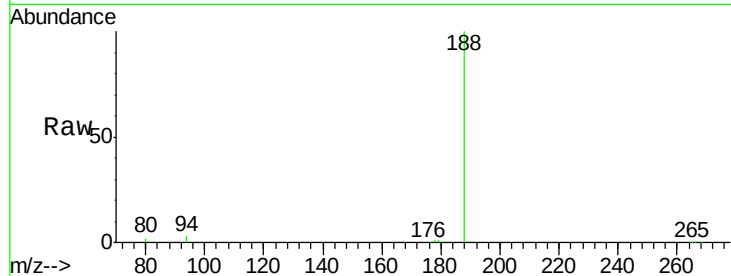
Tgt Ion:178 Resp: 1765

Ion Ratio Lower Upper

178 100

176 30.1 13.0 19.4#

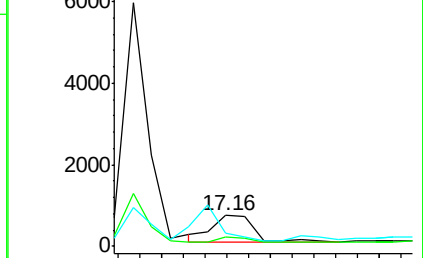
179 43.7 14.2 21.2#



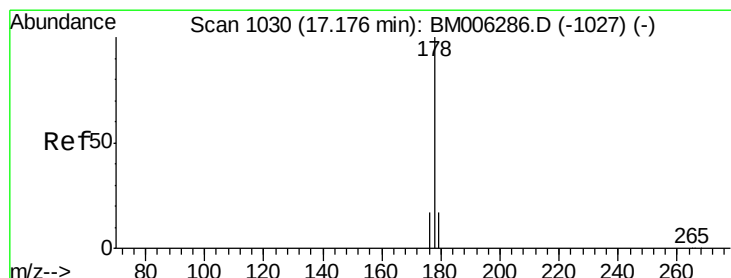
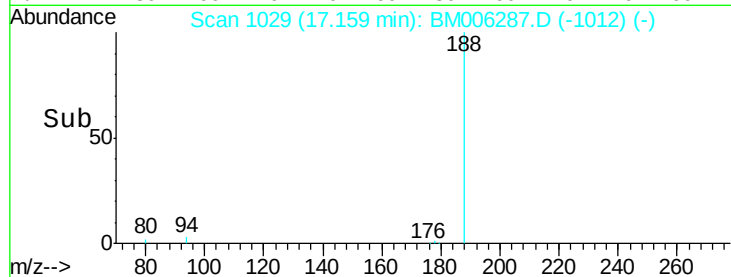
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.15 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

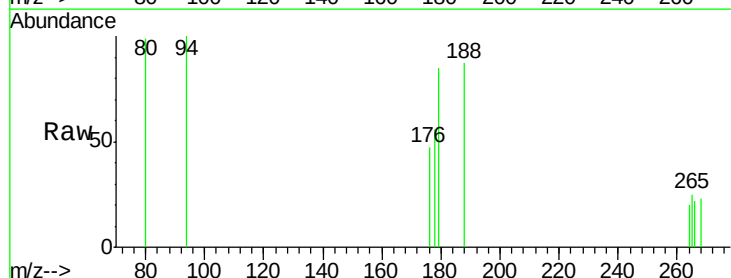
Tgt Ion:178 Resp: 169

Ion Ratio Lower Upper

178 100

176 83.3 14.0 21.0#

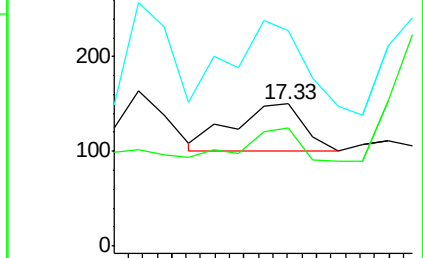
179 151.3 12.9 19.3#



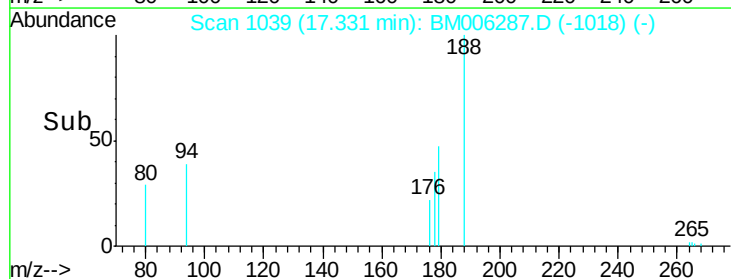
Abundance Ion 178.00 (177.70 to 178.70): E

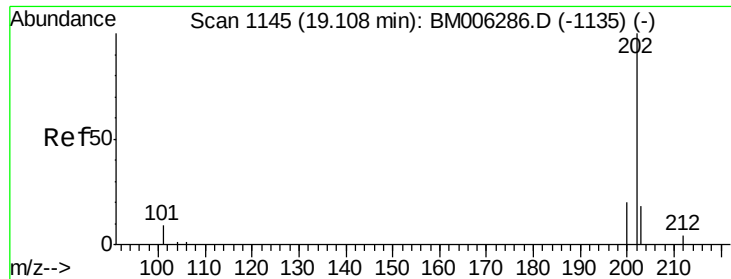
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

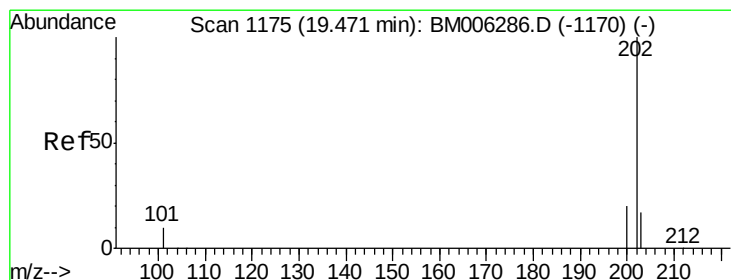
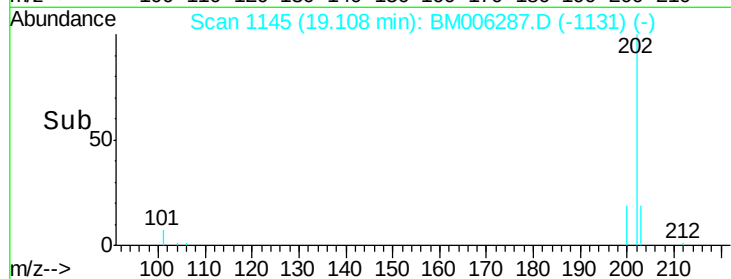
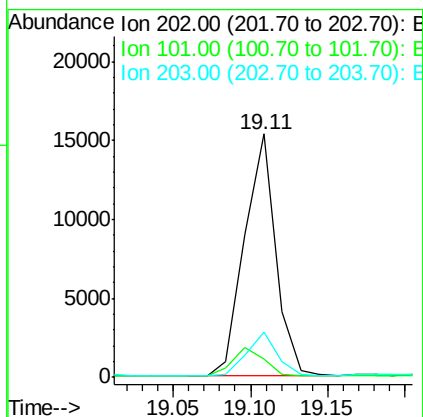
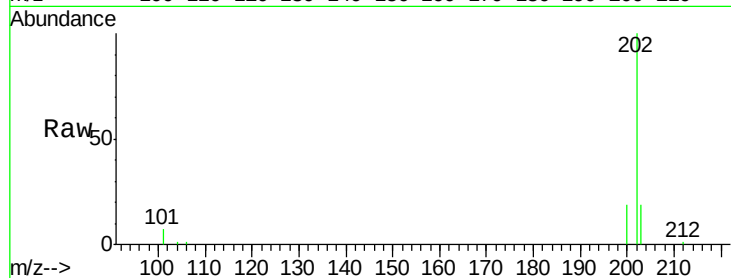




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.11 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BM006287.D
 Acq: 06 Jul 2016 17:49

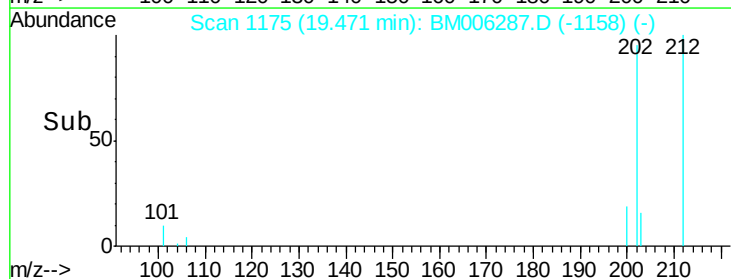
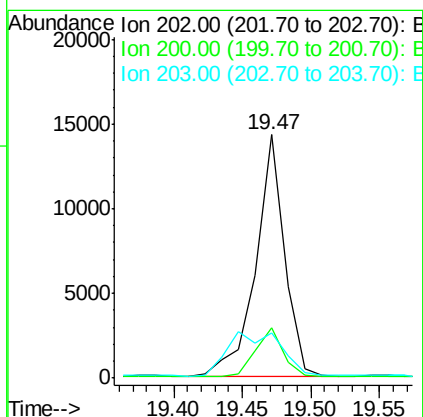
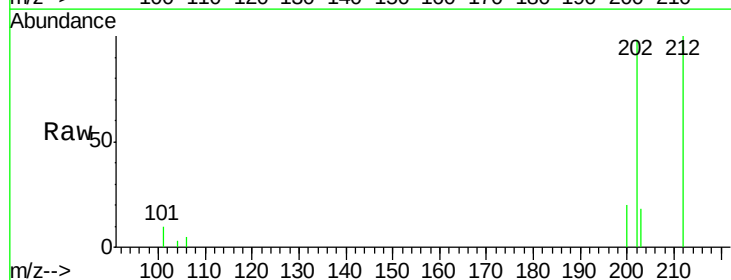
Instrument :
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 A4TV1

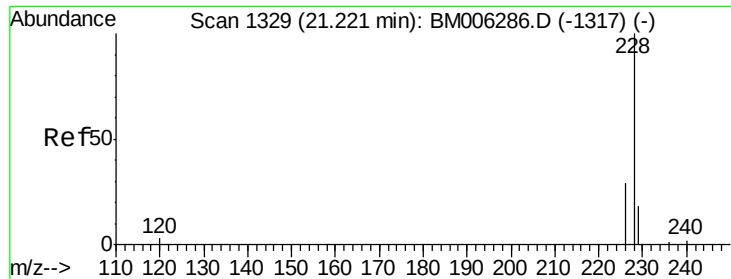
Tgt Ion:202 Resp: 21466
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 29.6
 203 18.6 0.0 36.3



#19
Pyrene
 Concen: 0.39 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BM006287.D
 Acq: 06 Jul 2016 17:49

Tgt Ion:202 Resp: 20858
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.8 26.8
 203 18.4 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.18 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

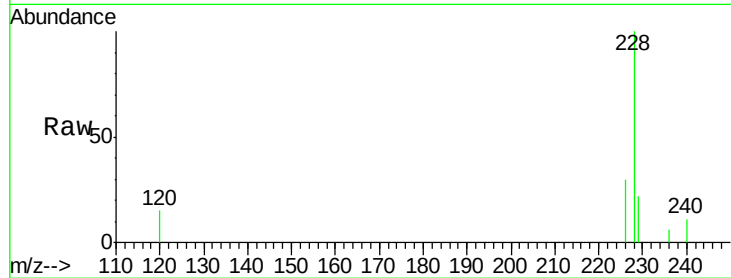
Tgt Ion:228 Resp: 7617

Ion Ratio Lower Upper

228 100

226 30.4 18.8 28.2#

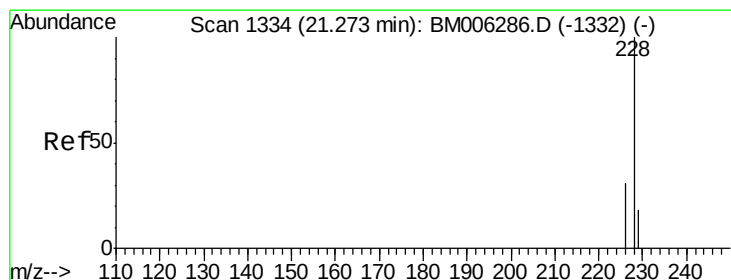
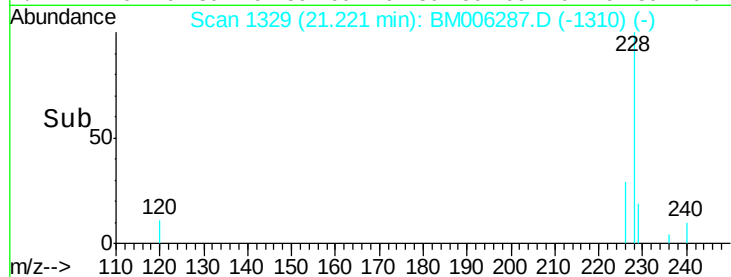
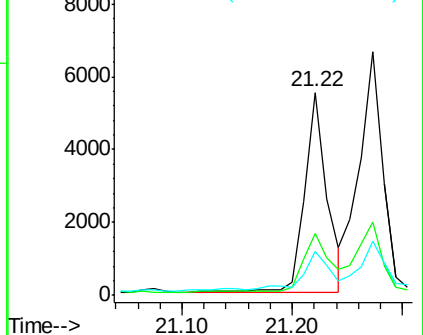
229 21.8 17.1 25.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Chrysene

Concen: 0.24 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

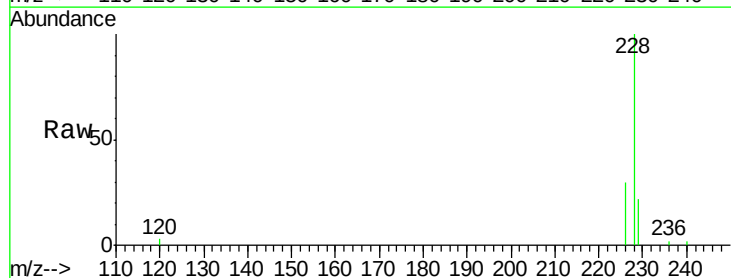
Tgt Ion:228 Resp: 9786

Ion Ratio Lower Upper

228 100

226 30.3 21.2 31.8

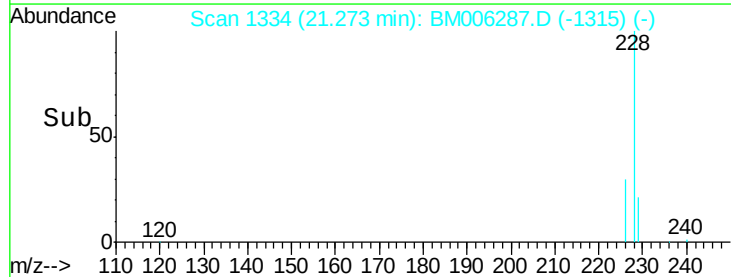
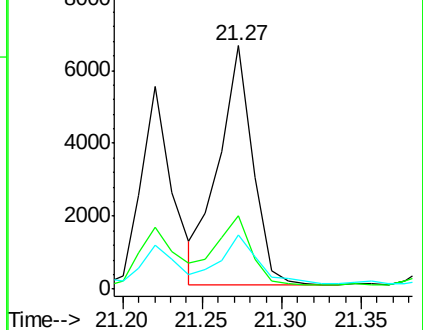
229 22.2 17.0 25.6

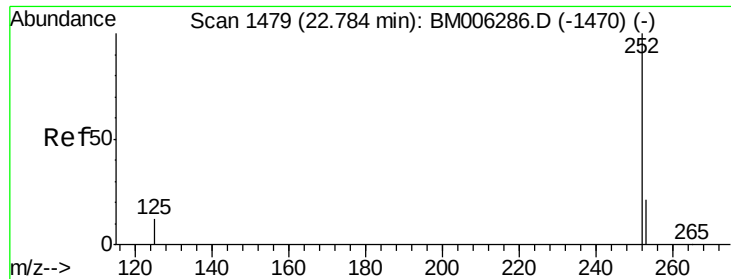


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

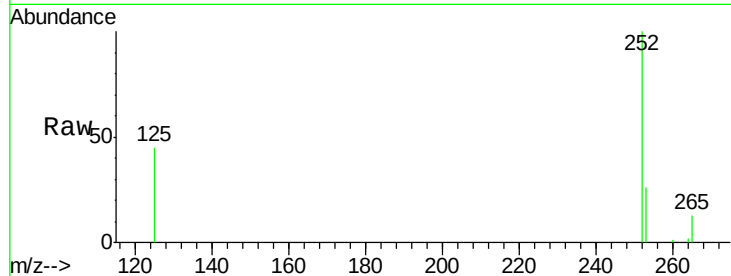
Tgt Ion:252 Resp: 11264

Ion Ratio Lower Upper

252 100

253 26.4 0.0 45.4

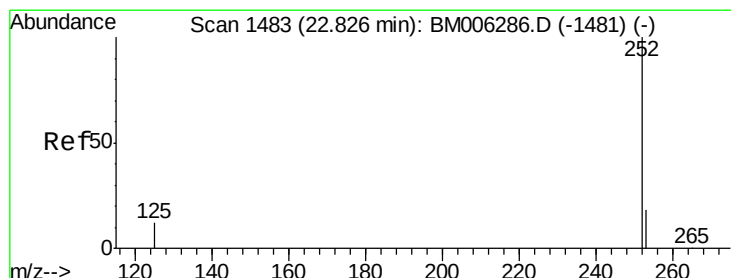
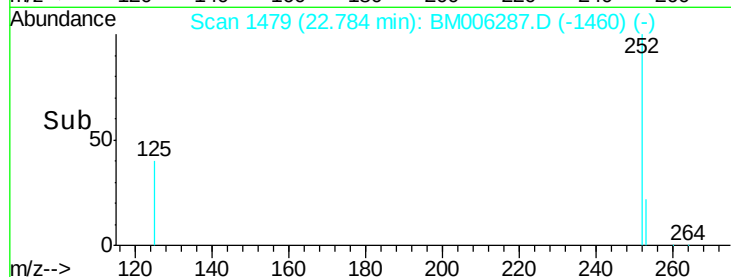
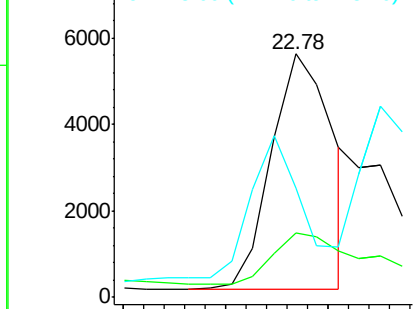
125 44.9 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

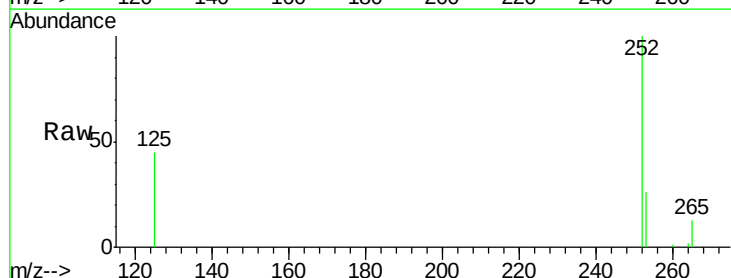
Tgt Ion:252 Resp: 16150

Ion Ratio Lower Upper

252 100

253 26.4 19.8 29.8

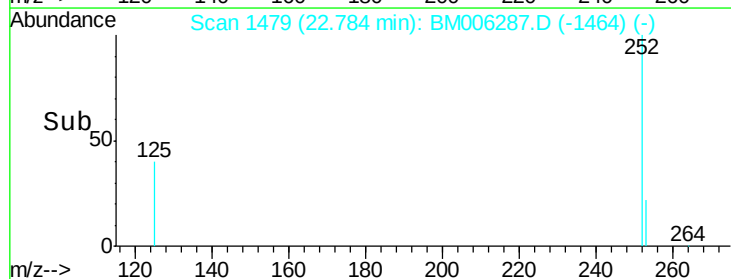
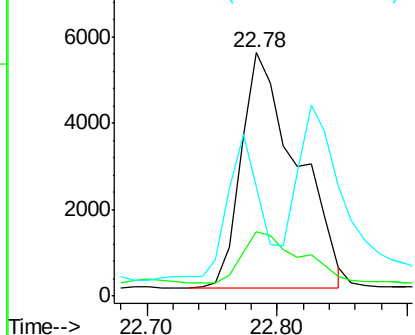
125 44.9 10.4 15.6#

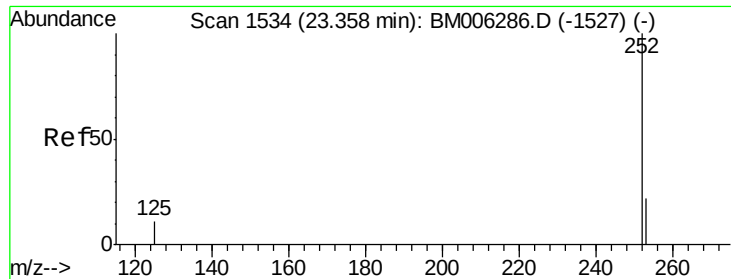


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.25 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1

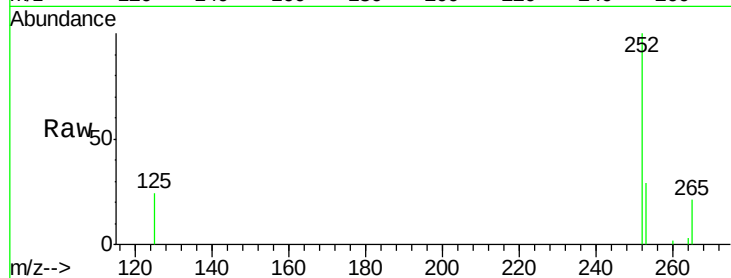
Tgt Ion:252 Resp: 6171

Ion Ratio Lower Upper

252 100

253 29.2 19.4 29.2#

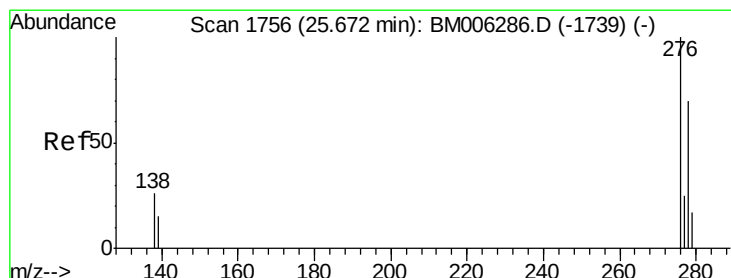
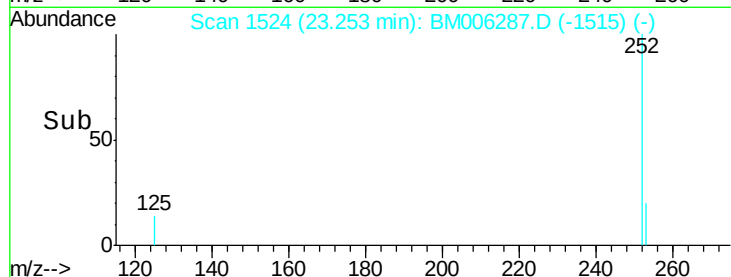
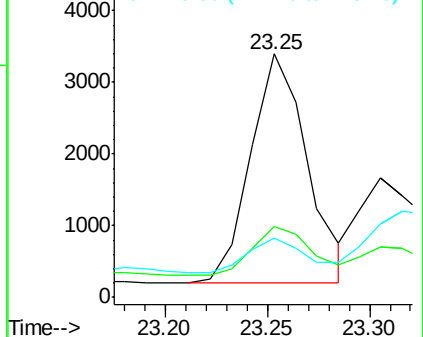
125 24.1 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.50 min Scan# 1740

Delta R.T. -0.17 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

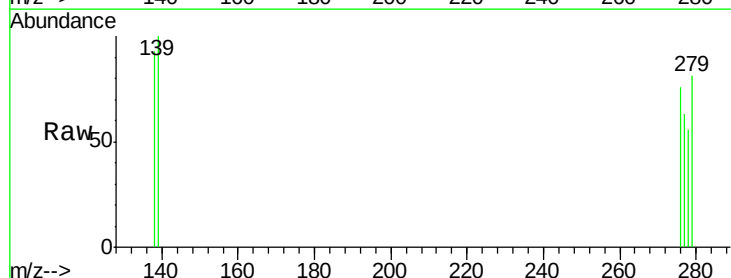
Tgt Ion:276 Resp: 654

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

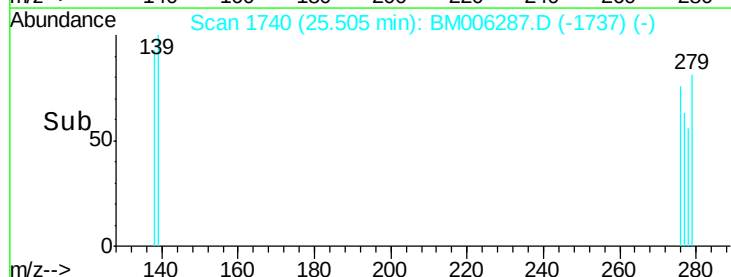
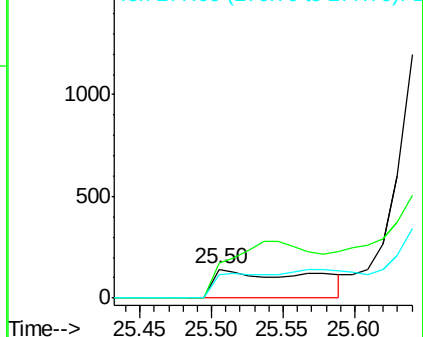
277 55.5 19.8 29.8#

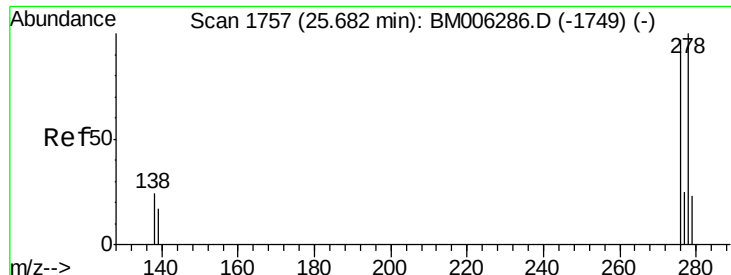


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.58 min Scan# 1747

Delta R.T. -0.10 min

Lab File: BM006287.D

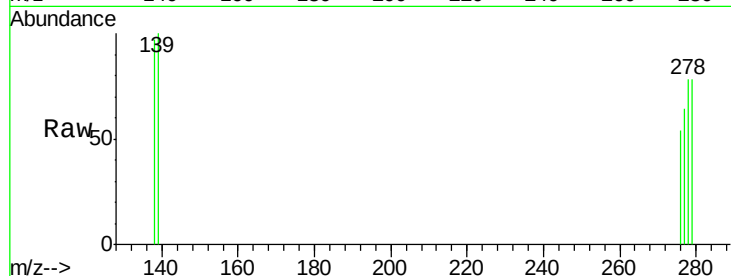
Acq: 06 Jul 2016 17:49

Instrument :

BNA_M

ClientSampleId :

A4TV1



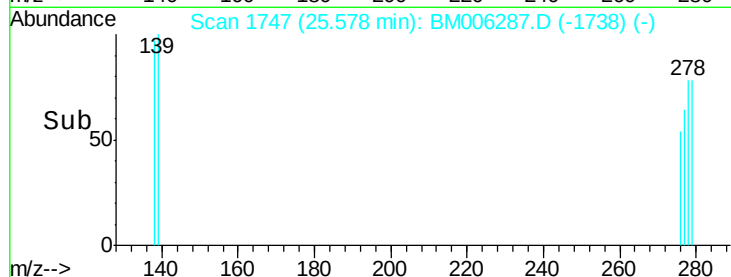
Tgt Ion: 278 Resp: 908

Ion Ratio Lower Upper

278 100

139 127.4 16.4 24.6#

279 100.0 20.2 30.2#



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

