

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006295.D
 Acq On : 06 Jul 2016 22:40
 Operator : UM/SJ
 Sample : H3811-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV7

Quant Time: Jul 07 02:21:33 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

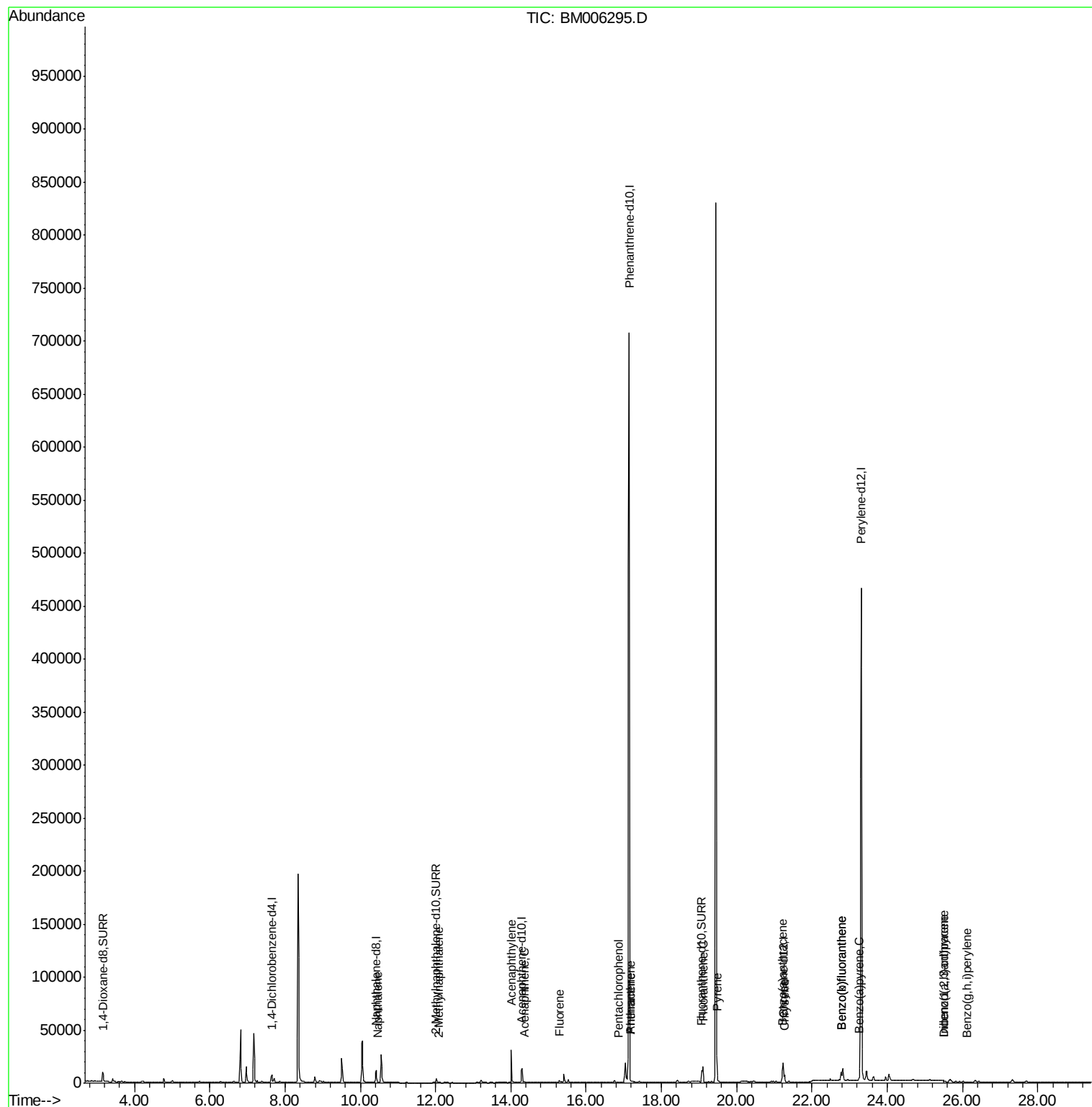
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4439	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	17863	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10317	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1045354	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	16478	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	607364	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	6894	3.67	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	5811	0.28	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	13231	0.01	ng/ul	-0.01
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	238	0.01	ng/ul#	21
7) 2-Methylnaphthalene	12.09	142	140	0.01	ng/ul	92
9) Acenaphthylene	14.01	152	425	0.01	ng/ul#	61
10) Acenaphthene	14.35	153	374	0.01	ng/ul#	84
11) Fluorene	15.29	166	2563	0.07	ng/ul#	23
13) Pentachlorophenol	16.85	266	4	0.00	ng/ul#	14
14) Phenanthrene	17.18	178	1528	0.00	ng/ul#	68
15) Anthracene	17.18	178	1495	0.00	ng/ul#	68
17) Fluoranthene	19.11	202	15420	0.00	ng/ul	93
19) Pyrene	19.47	202	14204	0.21	ng/ul#	93
20) Benzo(a)anthracene	21.22	228	5547	0.10	ng/ul#	91
21) Chrysene	21.27	228	6541	0.13	ng/ul	93
23) Benzo(b)fluoranthene	22.78	252	6497	0.00	ng/ul#	40
24) Benzo(k)fluoranthene	22.78	252	10479	0.01	ng/ul#	45
25) Benzo(a)pyrene	23.25	252	3964	0.00	ng/ul#	62
26) Indeno(1,2,3-cd)pyrene	25.50	276	713	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.50	278	407	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.13	276	31	0.00	ng/ul#	1

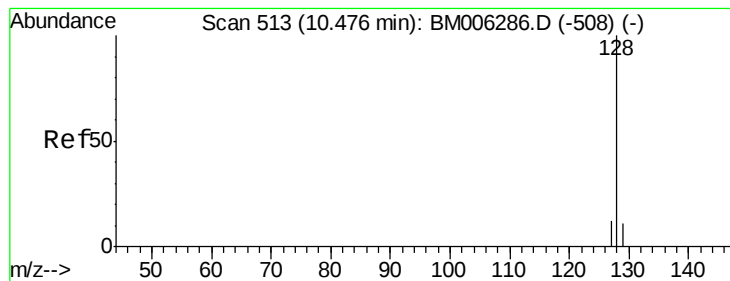
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

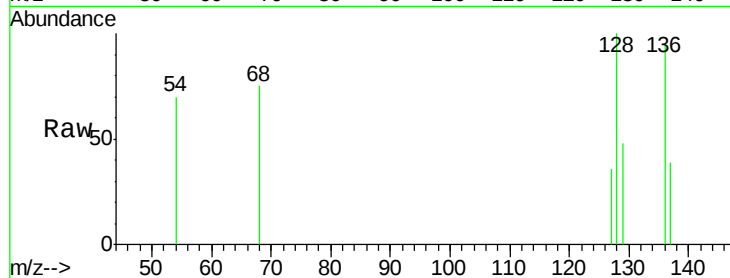
Tgt Ion:128 Resp: 238

Ion Ratio Lower Upper

128 100

129 48.3 9.0 13.6#

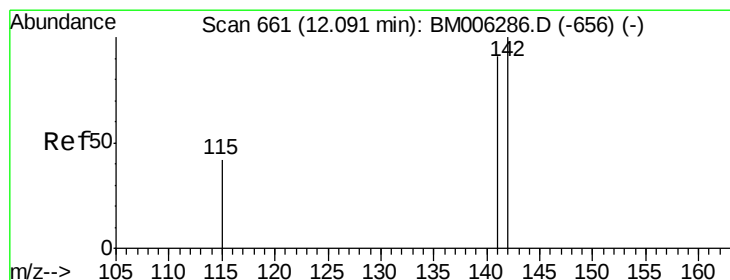
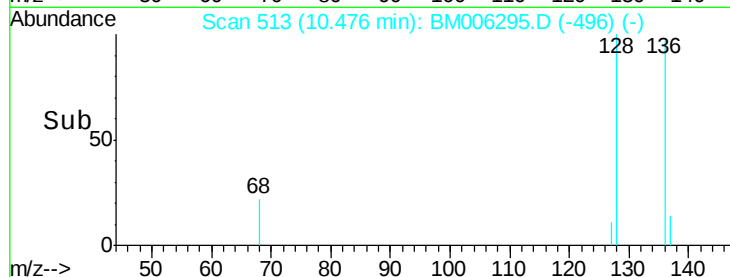
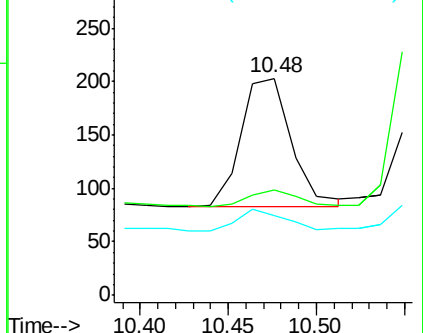
127 36.5 9.6 14.4#



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: 0.01 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006295.D

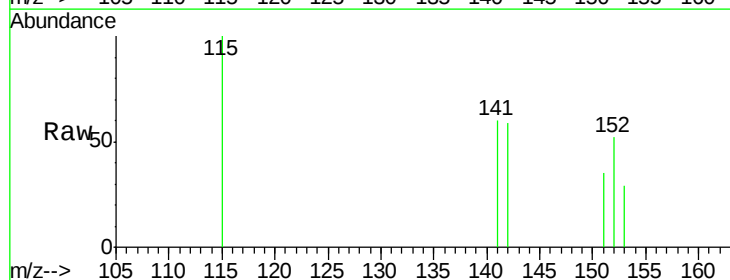
Acq: 06 Jul 2016 22:40

Tgt Ion:142 Resp: 140

Ion Ratio Lower Upper

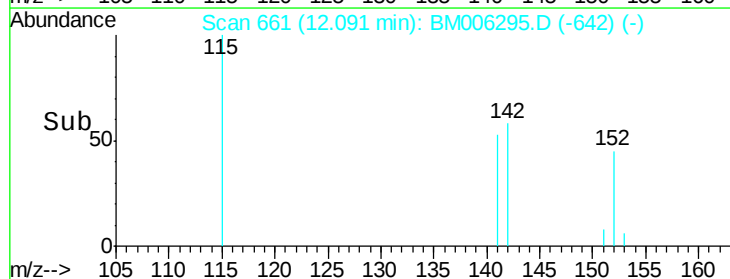
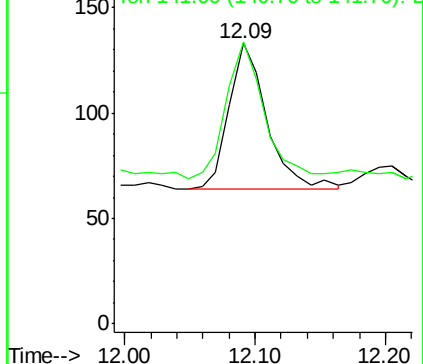
142 100

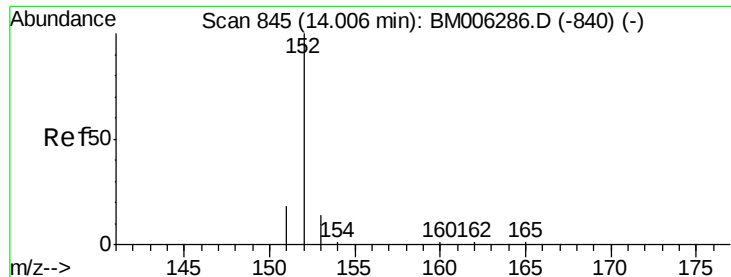
141 95.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

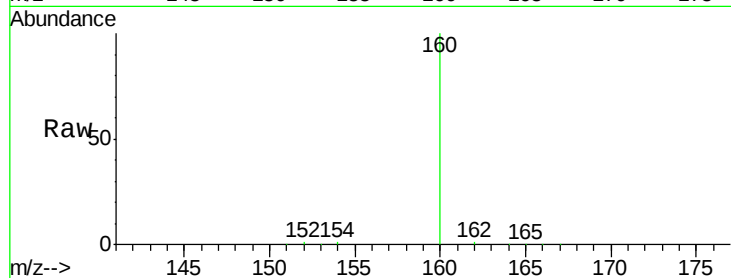
Tgt Ion:152 Resp: 425

Ion Ratio Lower Upper

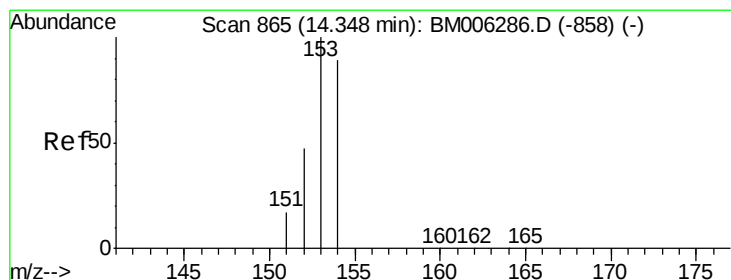
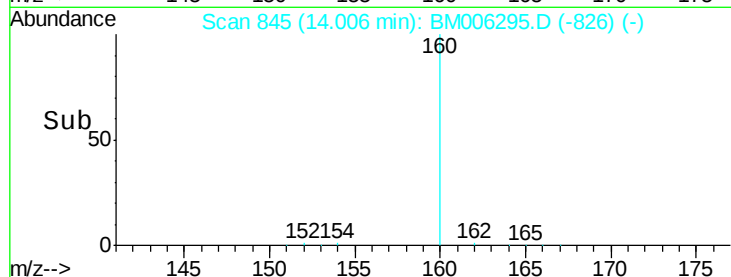
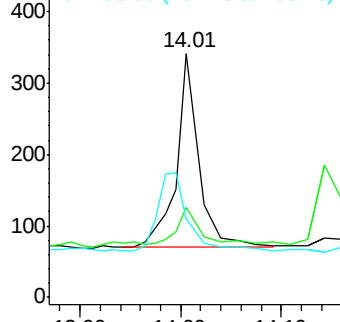
152 100

151 37.0 17.6 26.4#

153 32.3 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

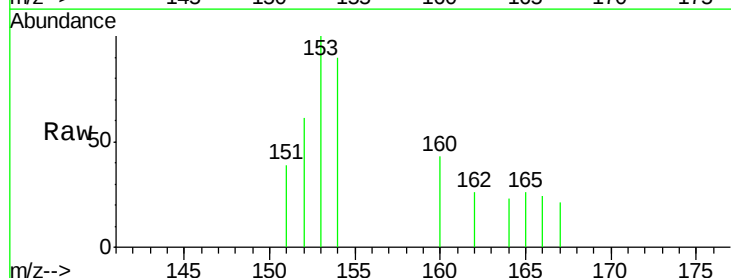
Tgt Ion:153 Resp: 374

Ion Ratio Lower Upper

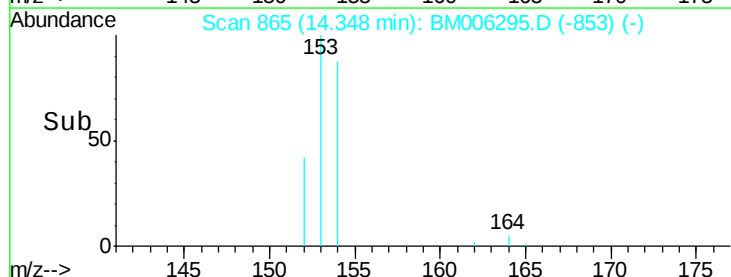
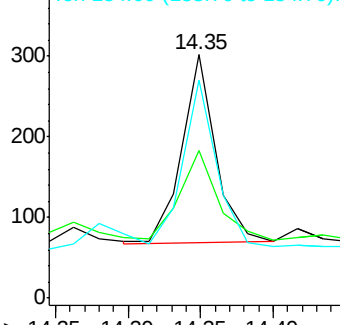
153 100

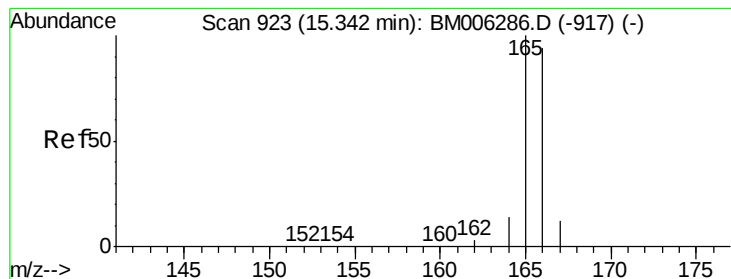
152 60.9 33.9 50.9#

154 89.7 80.6 121.0



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





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

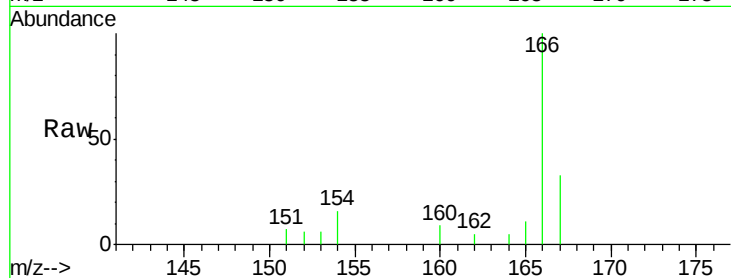
Tgt Ion:166 Resp: 2563

Ion Ratio Lower Upper

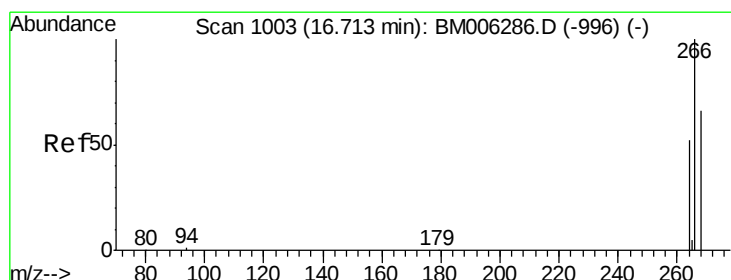
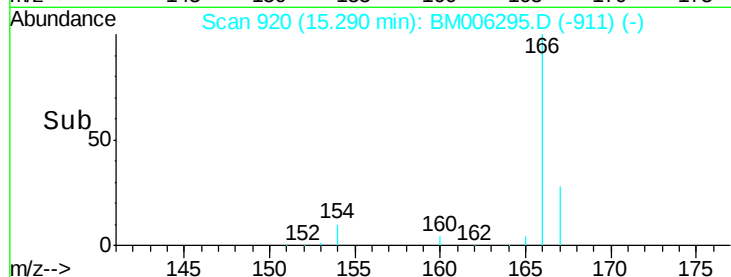
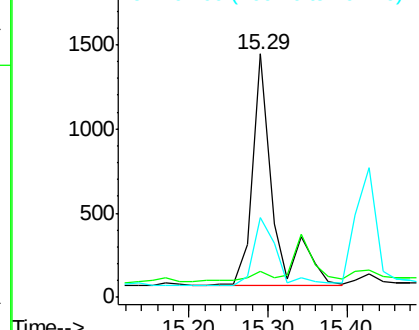
166 100

165 10.5 69.6 104.4#

167 32.6 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: 16.85 min Scan# 1011

Delta R.T. 0.14 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

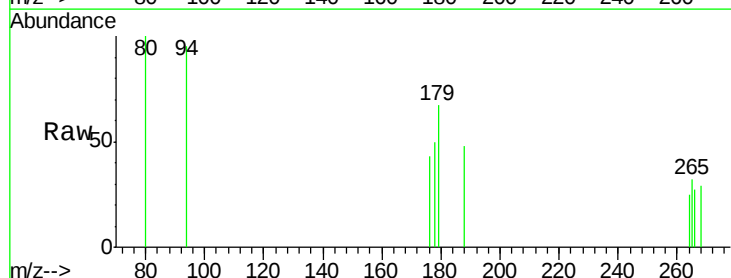
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

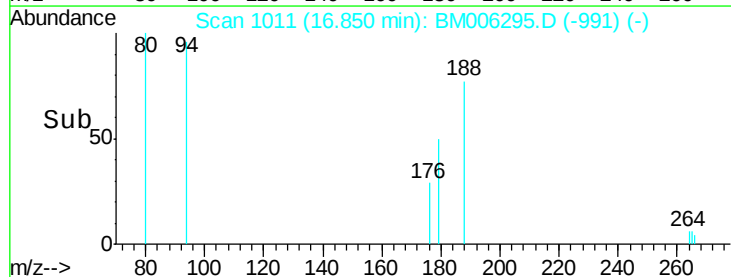
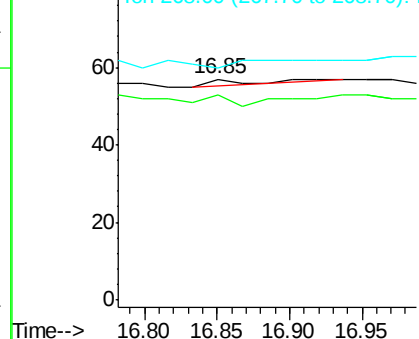
266 100

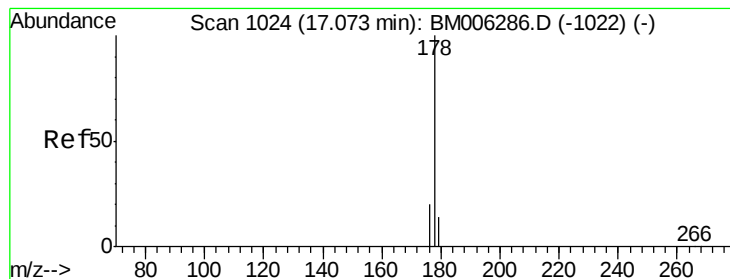
264 0.0 51.8 77.8#

268 125.0 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: 17.18 min Scan# 1030

Delta R.T. 0.10 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

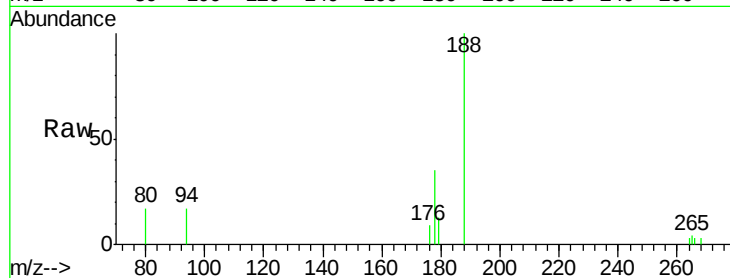
Tgt Ion:178 Resp: 1528

Ion Ratio Lower Upper

178 100

176 25.1 13.0 19.4#

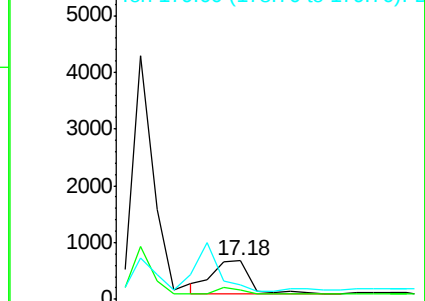
179 36.6 14.2 21.2#



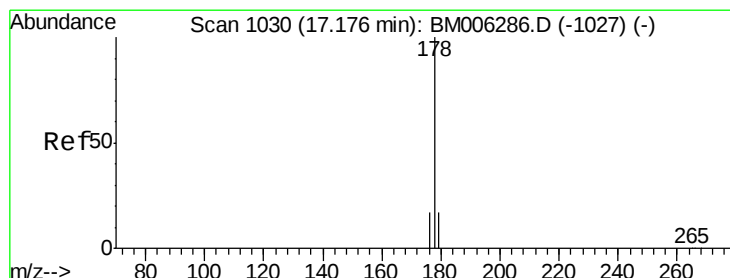
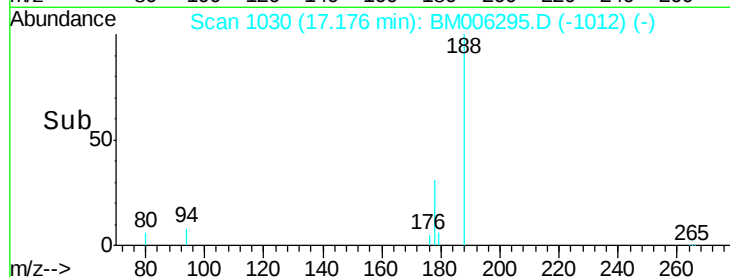
Abundance Ion 178.00 (177.70 to 178.70): E

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: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

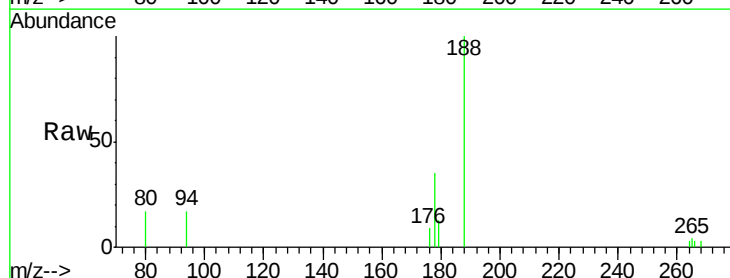
Tgt Ion:178 Resp: 1495

Ion Ratio Lower Upper

178 100

176 25.1 14.0 21.0#

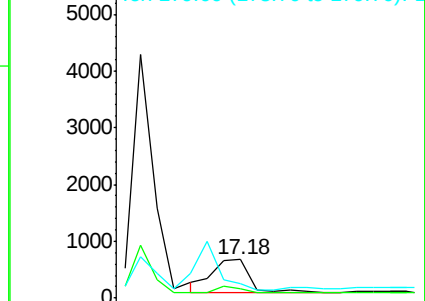
179 36.6 12.9 19.3#



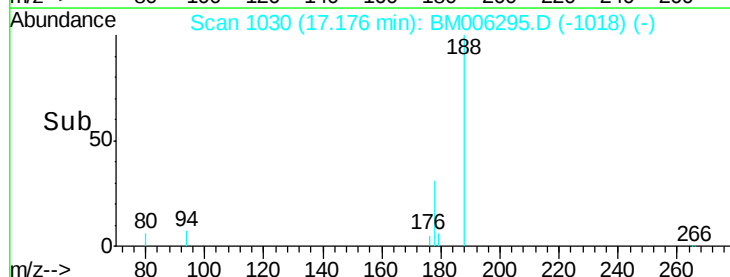
Abundance Ion 178.00 (177.70 to 178.70): E

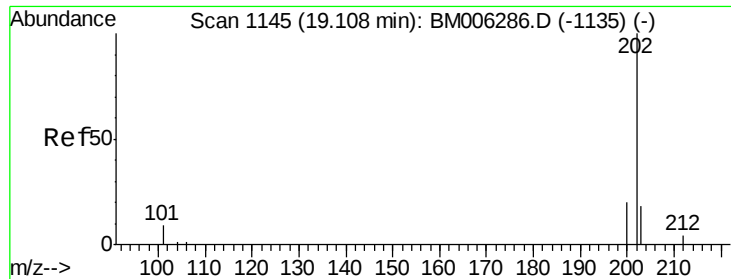
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

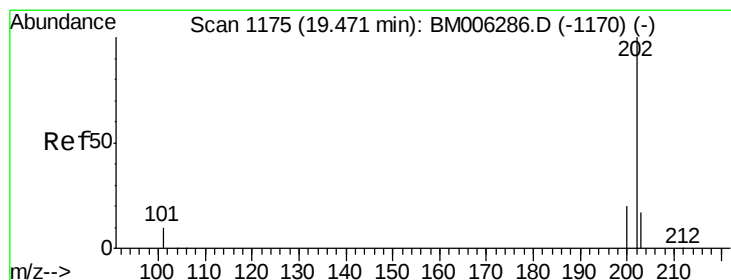
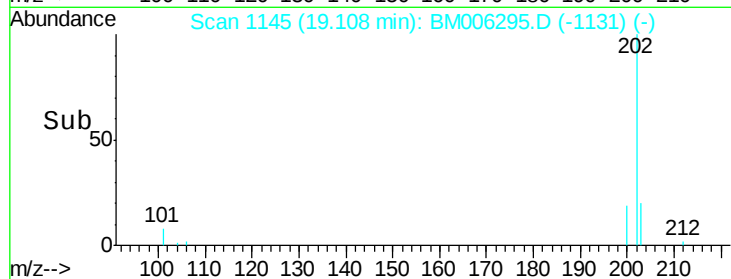
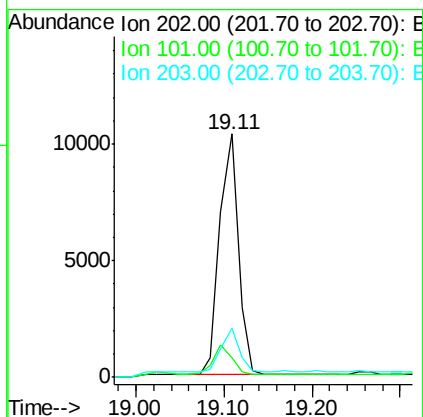
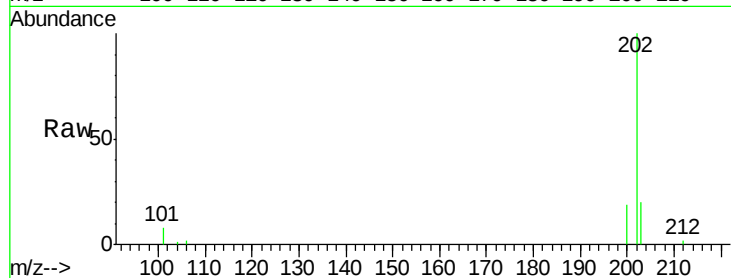




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.11 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BM006295.D
 Acq: 06 Jul 2016 22:40

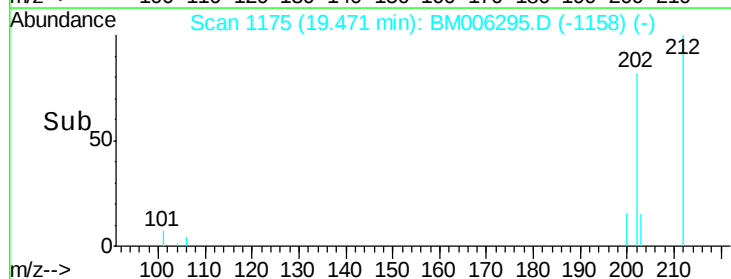
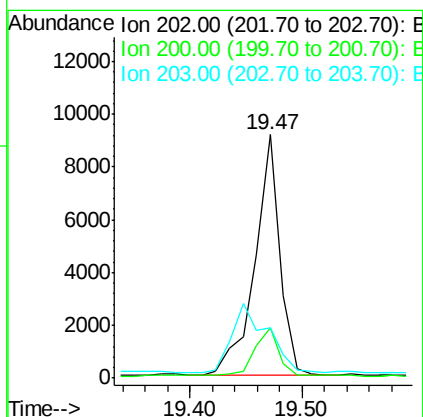
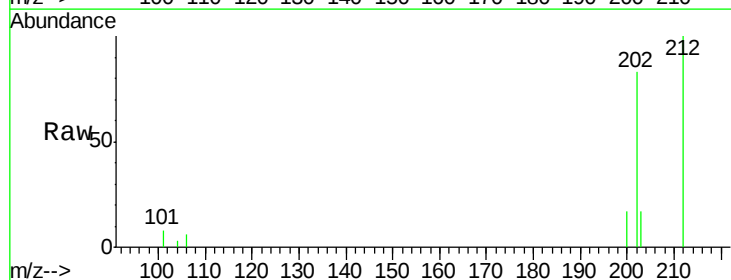
Instrument :
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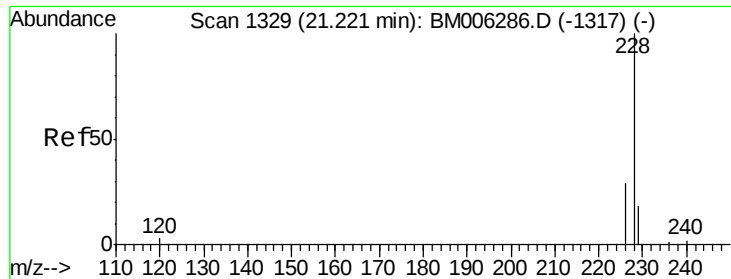
Tgt Ion:202 Resp: 15420
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 29.6
 203 20.2 0.0 36.3



#19
Pyrene
 Concen: 0.21 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BM006295.D
 Acq: 06 Jul 2016 22:40

Tgt Ion:202 Resp: 14204
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.8
 203 20.7 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

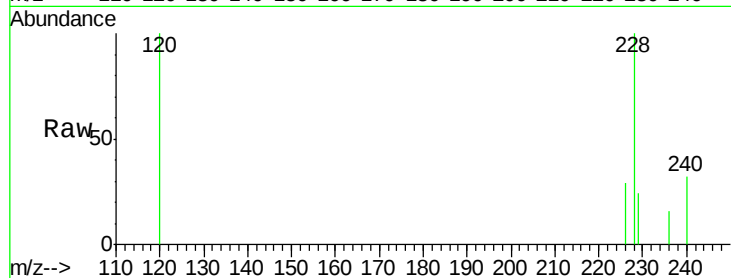
Tgt Ion:228 Resp: 5547

Ion Ratio Lower Upper

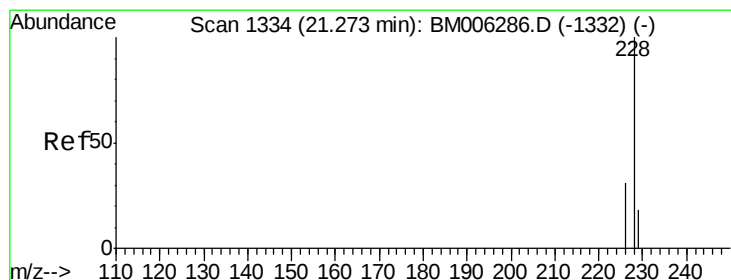
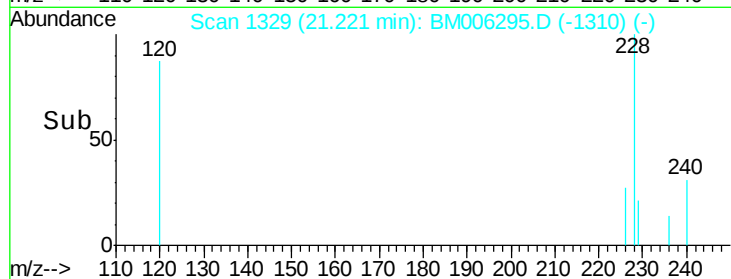
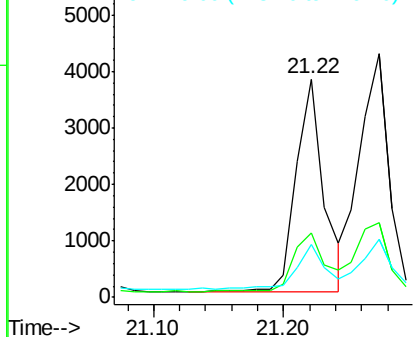
228 100

226 29.4 18.8 28.2#

229 24.3 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: 0.13 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

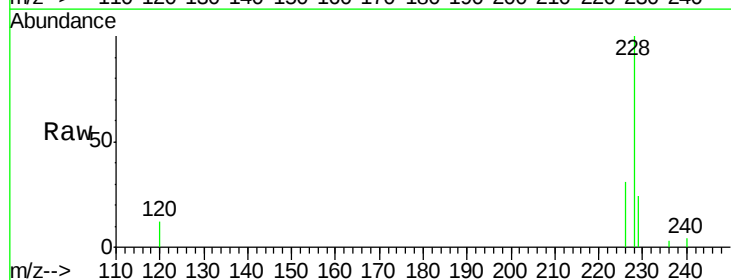
Tgt Ion:228 Resp: 6541

Ion Ratio Lower Upper

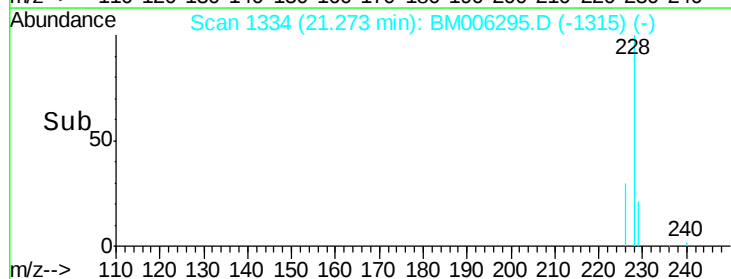
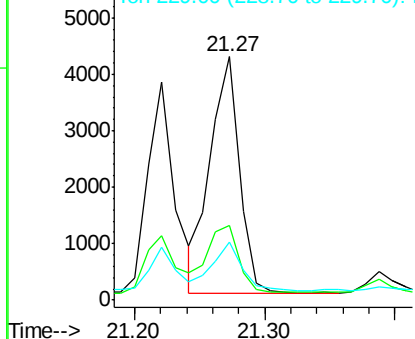
228 100

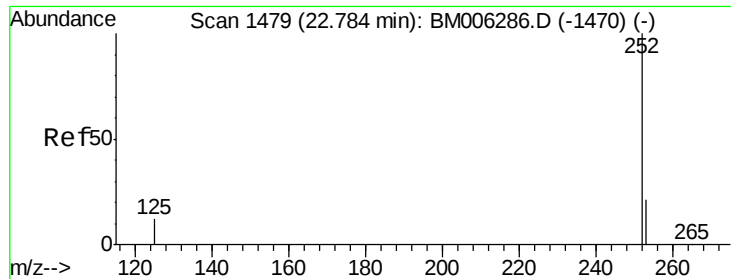
226 30.9 21.2 31.8

229 23.8 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/u1

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

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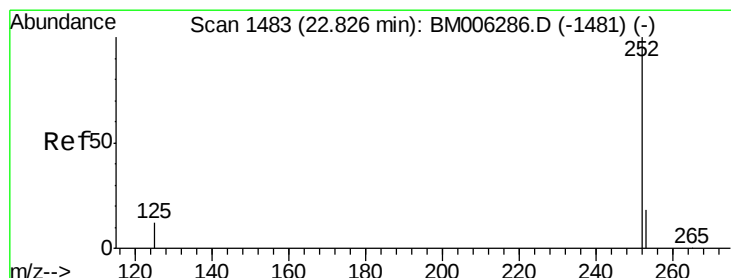
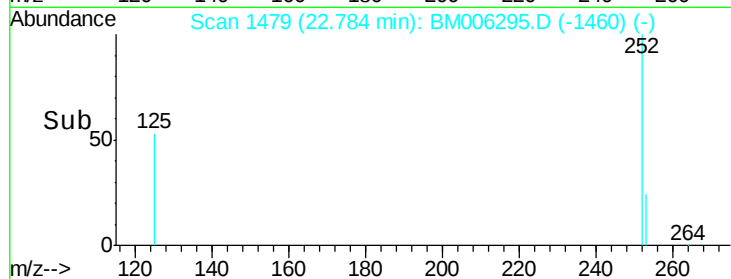
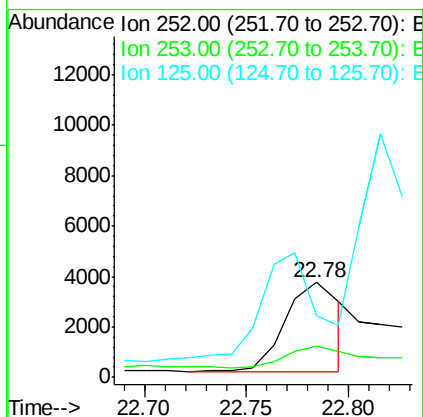
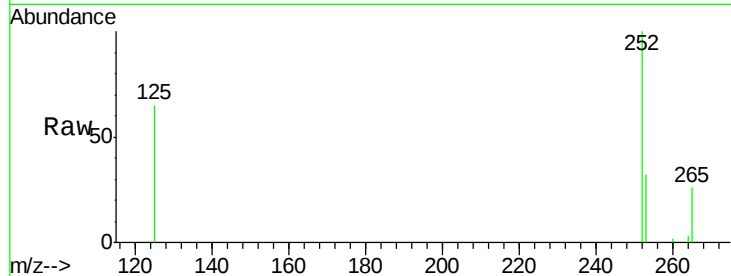
Tgt Ion:252 Resp: 6497

Ion Ratio Lower Upper

252 100

253 32.3 0.0 45.4

125 64.9 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

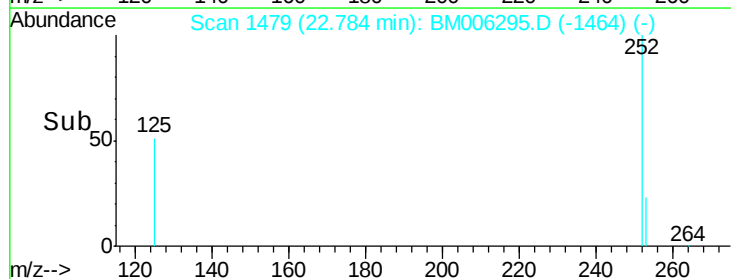
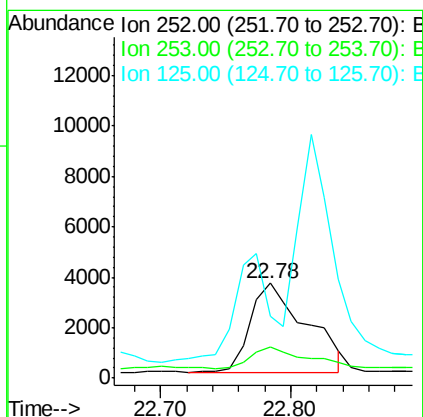
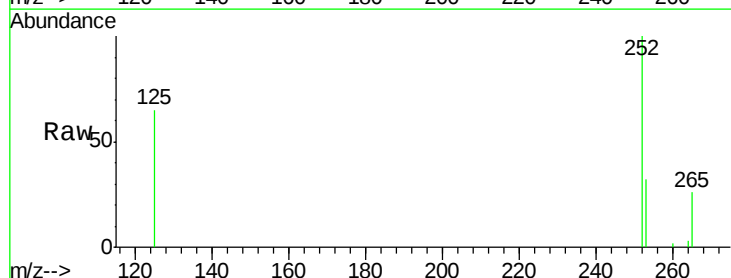
Tgt Ion:252 Resp: 10479

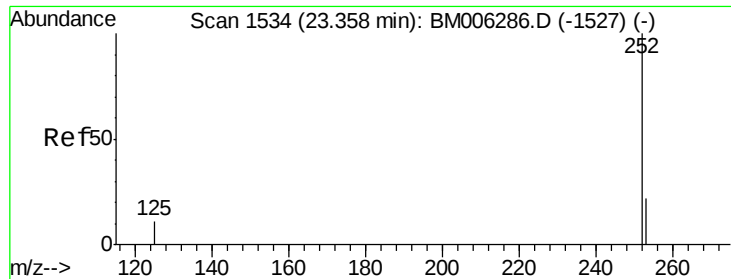
Ion Ratio Lower Upper

252 100

253 32.3 19.8 29.8#

125 64.9 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.25 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

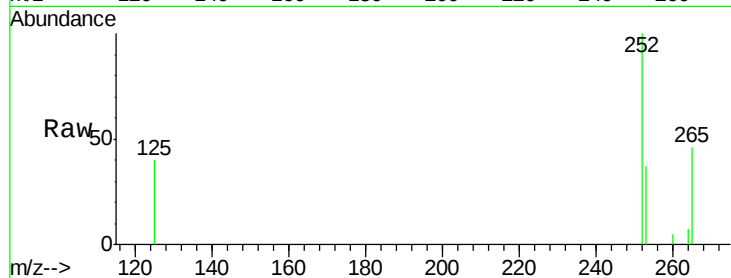
Tgt Ion:252 Resp: 3964

Ion Ratio Lower Upper

252 100

253 36.6 19.4 29.2#

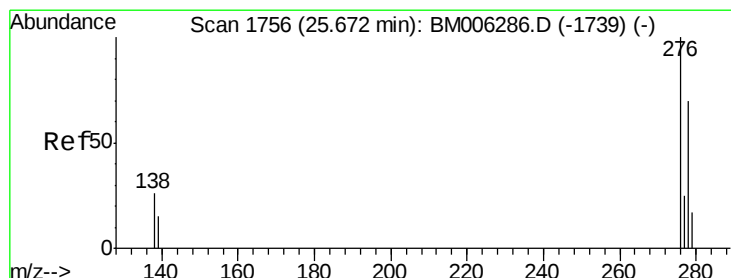
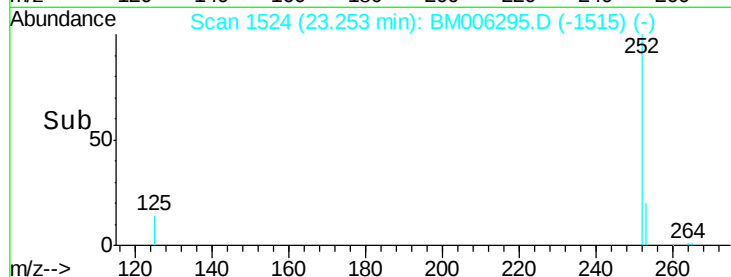
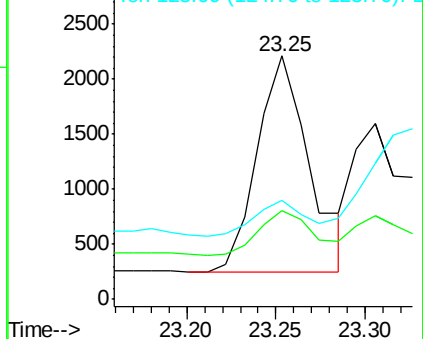
125 40.4 12.7 19.1#



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: BM006295.D

Acq: 06 Jul 2016 22:40

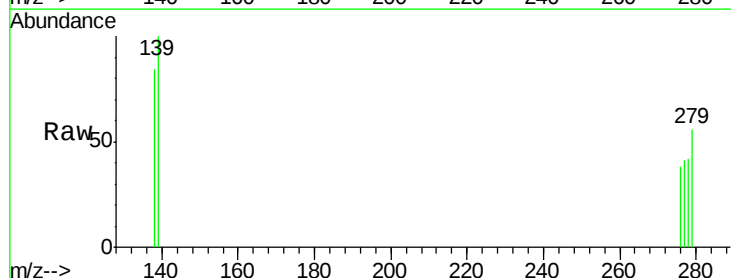
Tgt Ion:276 Resp: 713

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

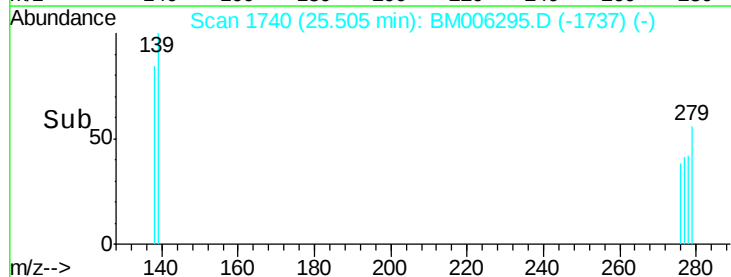
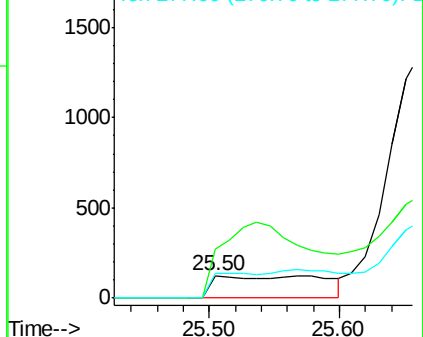
277 0.0 19.8 29.8#

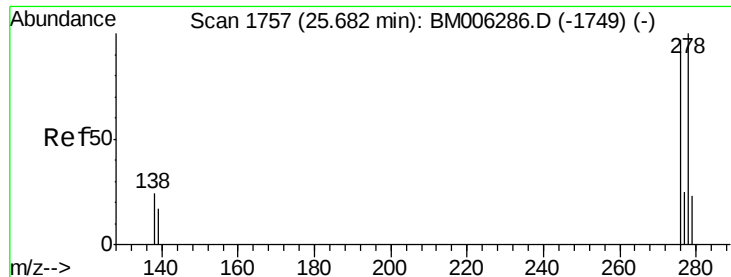


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.50 min Scan# 1740

Delta R.T. -0.18 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

Instrument :

BNA_M

ClientSampleId :

A4TV7

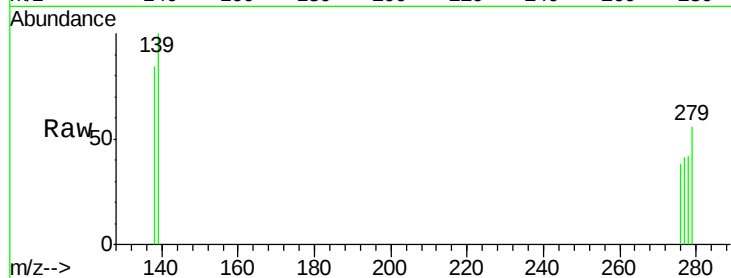
Tgt Ion:278 Resp: 407

Ion Ratio Lower Upper

278 100

139 237.0 16.4 24.6#

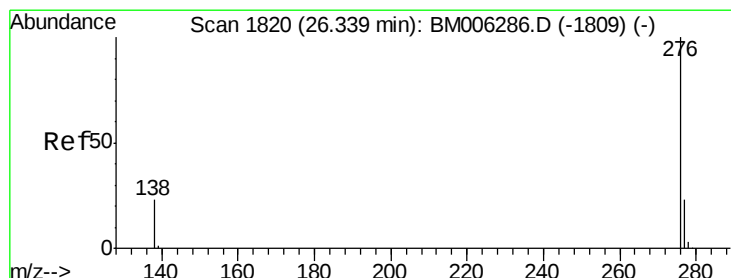
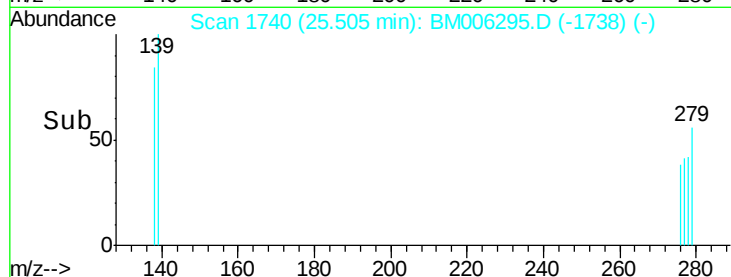
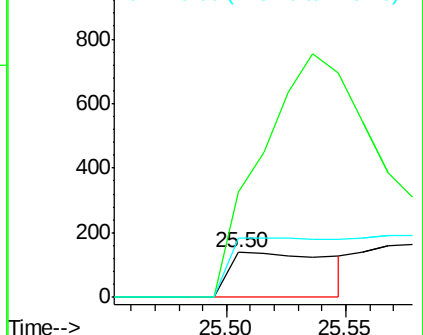
279 131.9 20.2 30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.13 min Scan# 1800

Delta R.T. -0.21 min

Lab File: BM006295.D

Acq: 06 Jul 2016 22:40

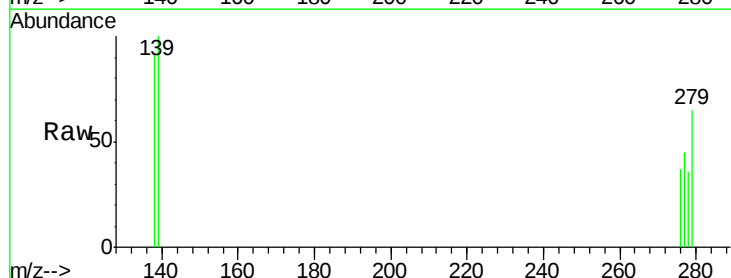
Tgt Ion:276 Resp: 31

Ion Ratio Lower Upper

276 100

277 122.4 18.9 28.3#

138 249.0 22.5 33.7#



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

