

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006288.D
 Acq On : 06 Jul 2016 18:26
 Operator : UM/SJ
 Sample : H3811-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV2

Quant Time: Jul 07 02:20:22 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

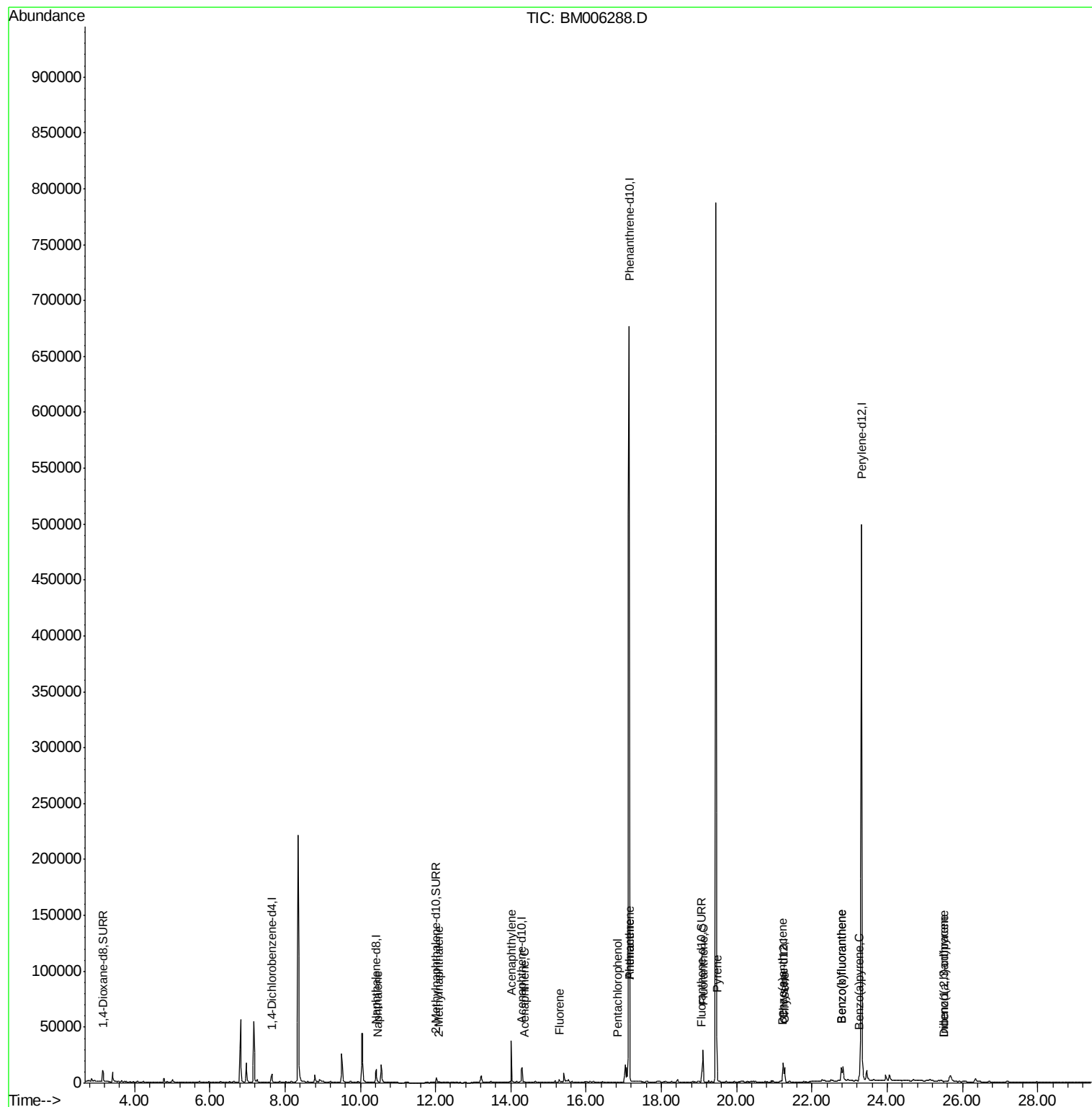
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4482	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	17624	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	9949	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1034693	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	12710	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	655448	0.40	ng/ul	-0.14
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	8142	4.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6822	0.33	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	12029	0.01	ng/ul	-0.01
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	1287	0.03	ng/ul#	79
7) 2-Methylnaphthalene	12.09	142	831	0.03	ng/ul	97
9) Acenaphthylene	14.01	152	1358	0.04	ng/ul#	90
10) Acenaphthene	14.35	153	469	0.01	ng/ul#	85
11) Fluorene	15.29	166	2309	0.06	ng/ul#	26
13) Pentachlorophenol	16.83	266	2	0.00	ng/ul#	51
14) Phenanthrene	17.16	178	2817	0.00	ng/ul#	72
15) Anthracene	17.16	178	2771	0.00	ng/ul#	72
17) Fluoranthene	19.11	202	27969	0.01	ng/ul	94
19) Pyrene	19.47	202	25434	0.48	ng/ul	96
20) Benzo(a)anthracene	21.22	228	10181	0.25	ng/ul#	91
21) Chrysene	21.27	228	12513	0.31	ng/ul	94
23) Benzo(b)fluoranthene	22.78	252	14319	0.01	ng/ul#	53
24) Benzo(k)fluoranthene	22.78	252	21169	0.01	ng/ul#	58
25) Benzo(a)pyrene	23.25	252	9002	0.00	ng/ul#	87
26) Indeno(1,2,3-cd)pyrene	25.50	276	924	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.50	278	472	0.00	ng/ul#	1

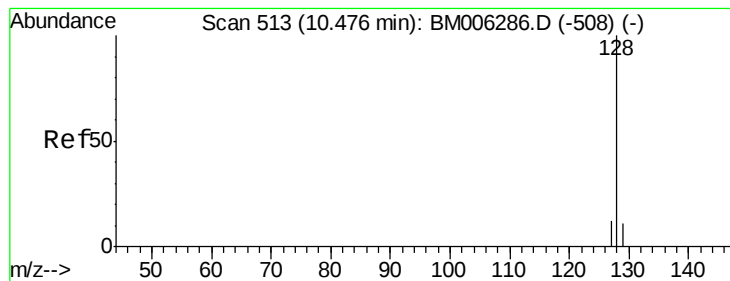
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

BNA_M

ClientSampleId :

A4TV2

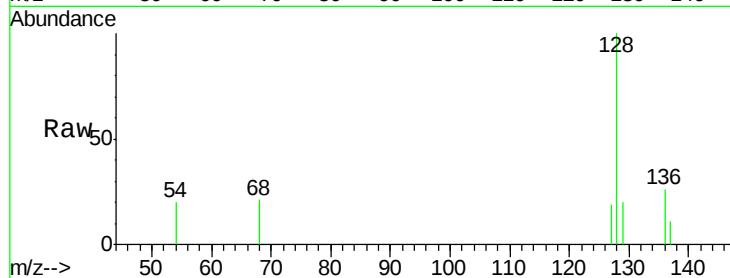
Tgt Ion:128 Resp: 1287

Ion Ratio Lower Upper

128 100

129 20.5 9.0 13.6#

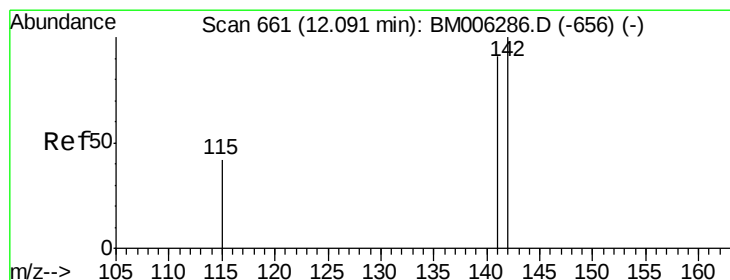
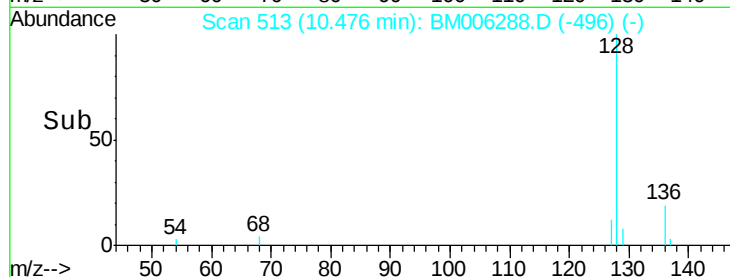
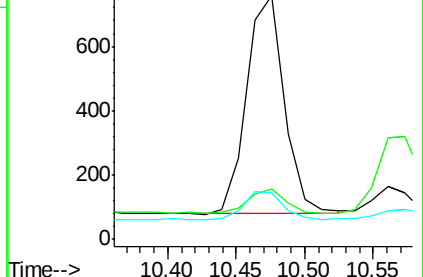
127 19.2 9.6 14.4#



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: BM006288.D

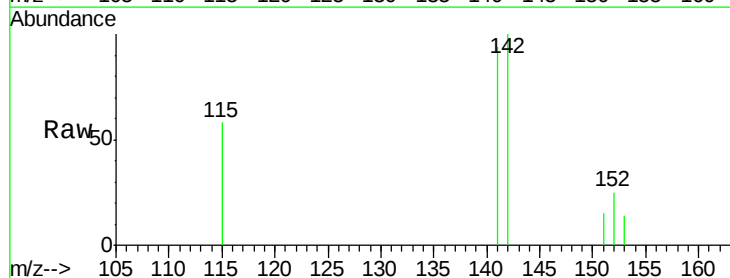
Acq: 06 Jul 2016 18:26

Tgt Ion:142 Resp: 831

Ion Ratio Lower Upper

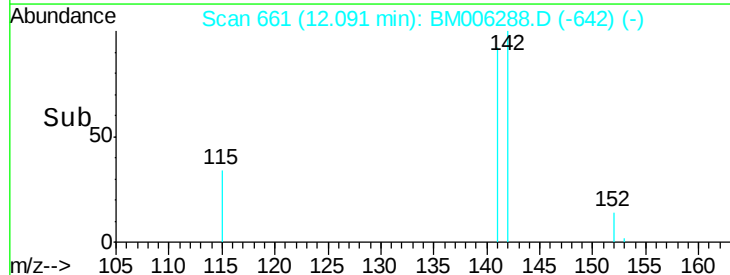
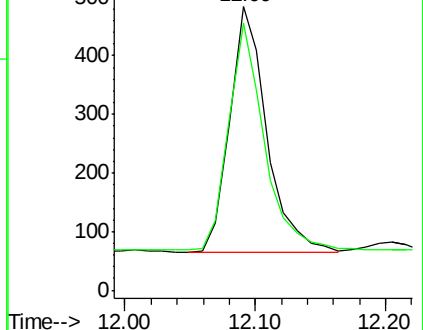
142 100

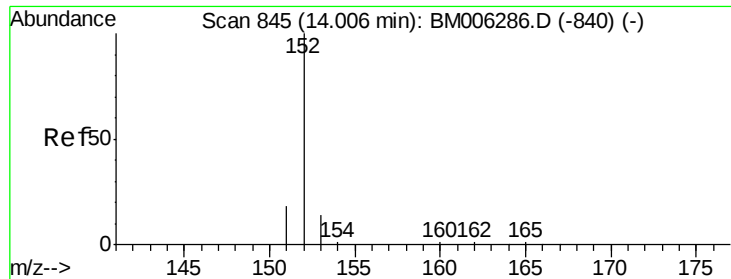
141 90.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

BNA_M

ClientSampleId :

A4TV2

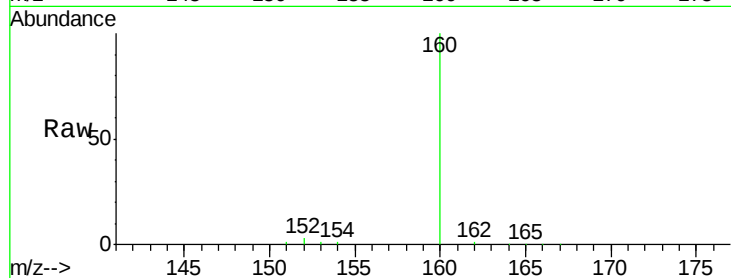
Tgt Ion:152 Resp: 1358

Ion Ratio Lower Upper

152 100

151 24.2 17.6 26.4

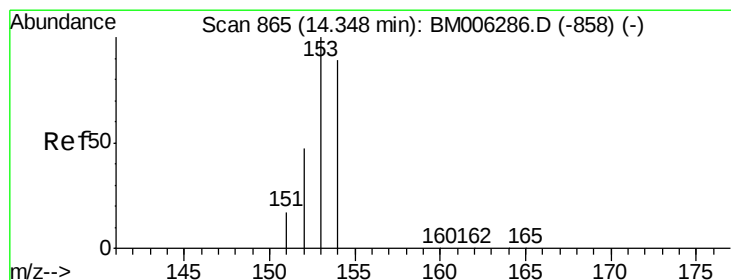
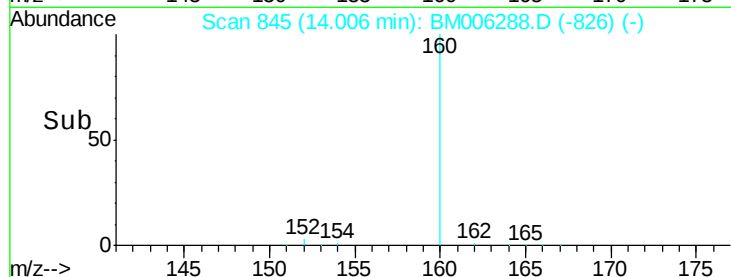
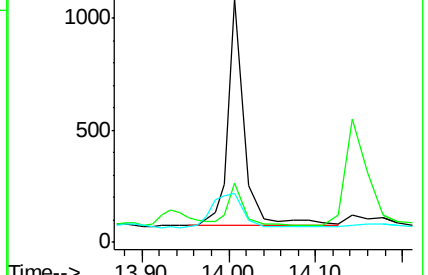
153 20.0 9.7 14.5#



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: BM006288.D

Acq: 06 Jul 2016 18:26

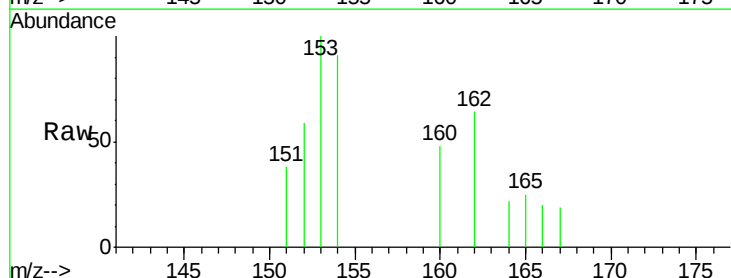
Tgt Ion:153 Resp: 469

Ion Ratio Lower Upper

153 100

152 59.5 33.9 50.9#

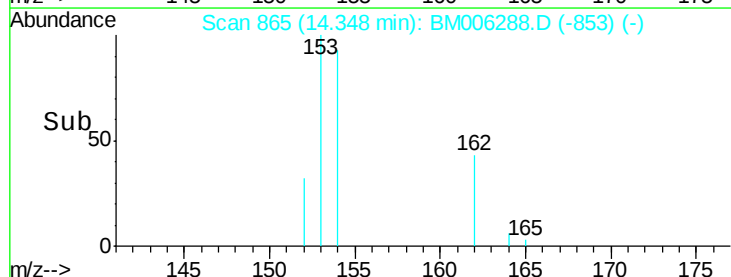
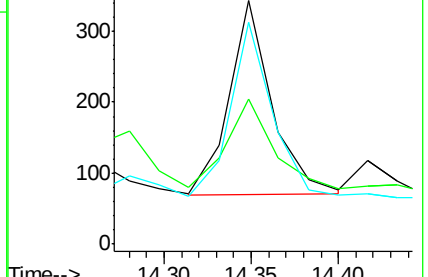
154 91.3 80.6 121.0

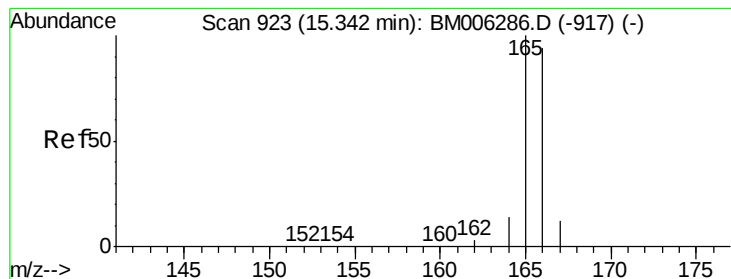


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

BNA_M

ClientSampleId :

A4TV2

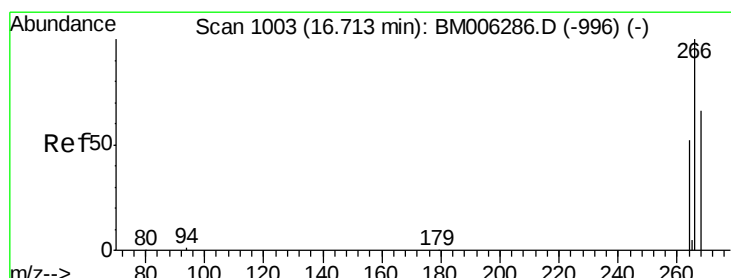
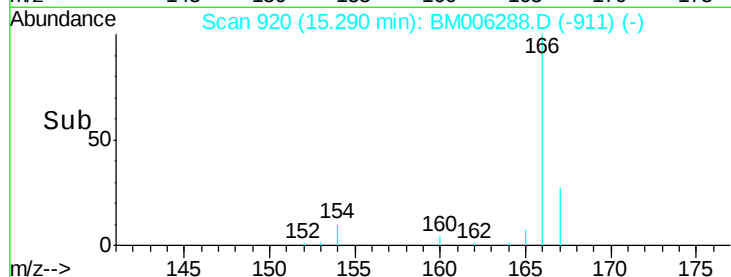
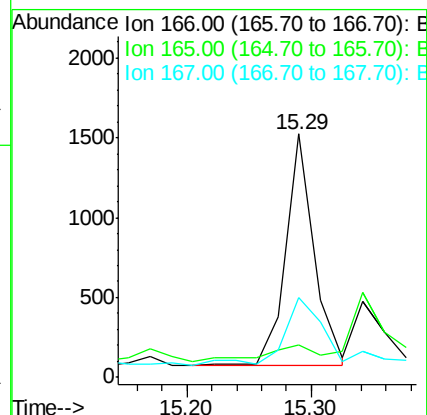
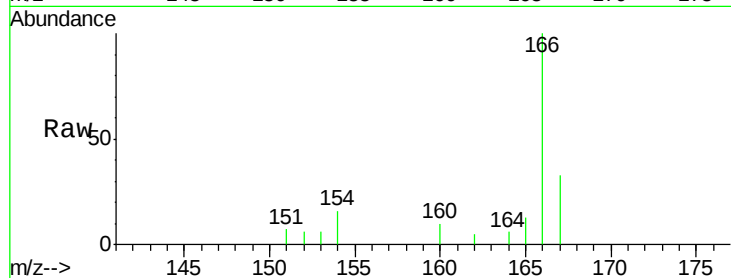
Tgt Ion:166 Resp: 2309

Ion Ratio Lower Upper

166 100

165 13.2 69.6 104.4#

167 32.9 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.12 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

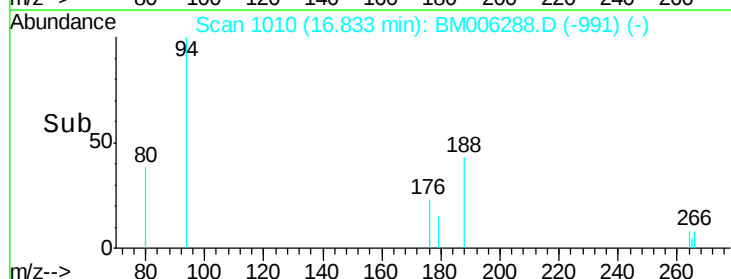
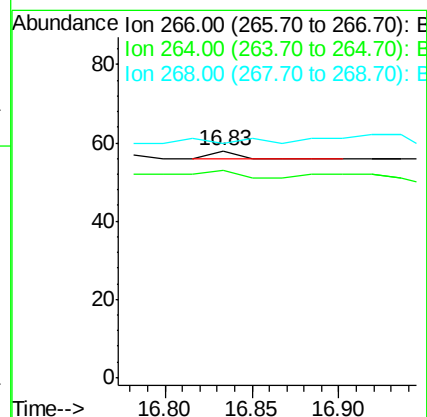
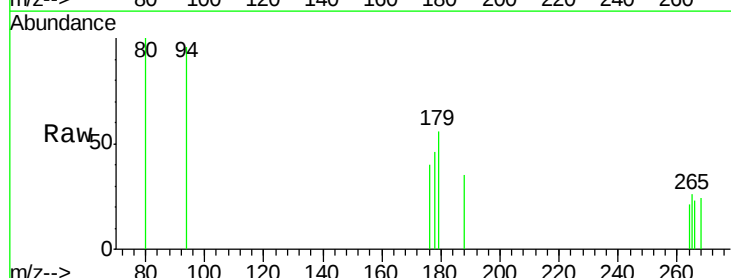
Tgt Ion:266 Resp: 2

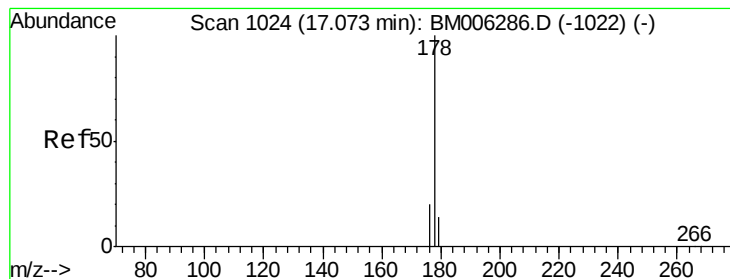
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 50.0 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

BNA_M

ClientSampleId :

A4TV2

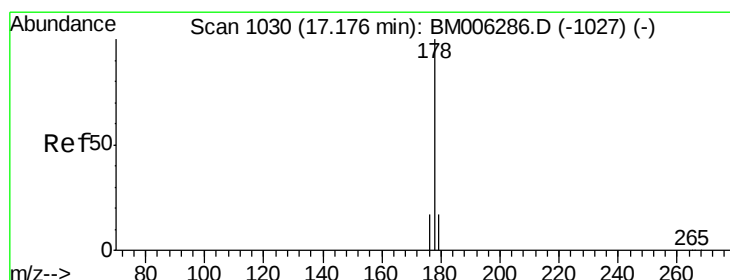
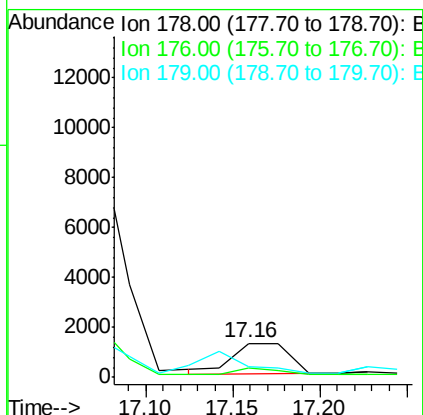
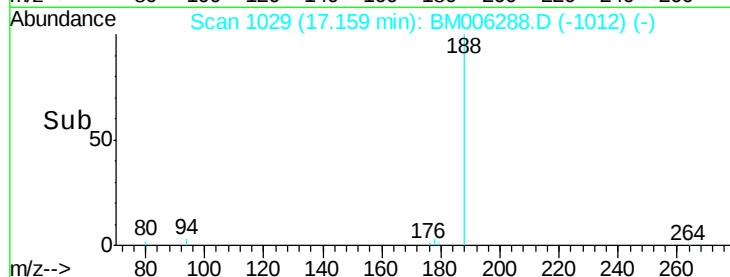
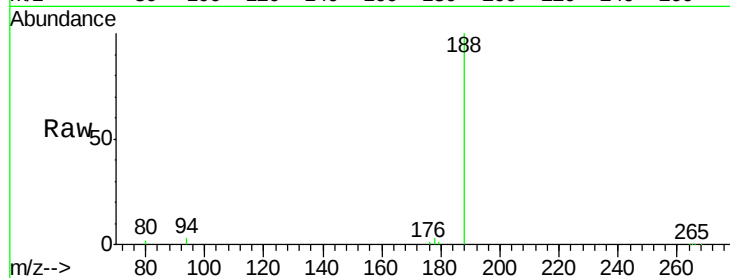
Tgt Ion:178 Resp: 2817

Ion Ratio Lower Upper

178 100

176 27.1 13.0 19.4#

179 30.8 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

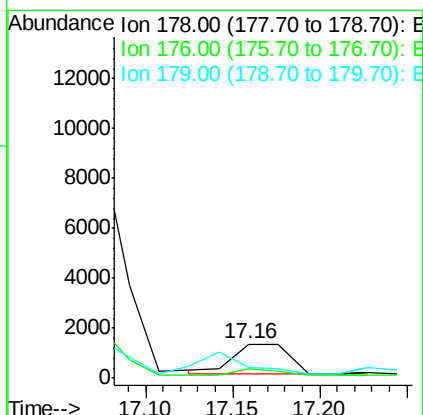
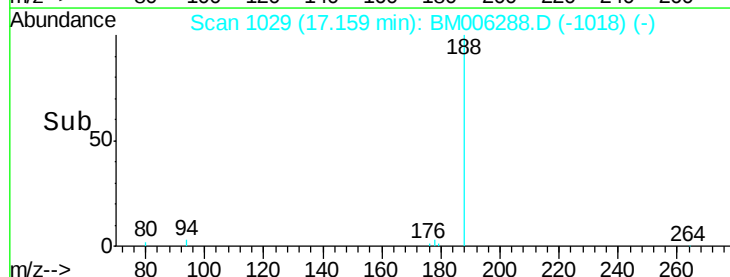
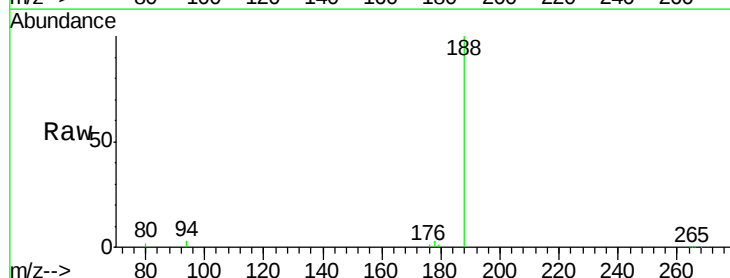
Tgt Ion:178 Resp: 2771

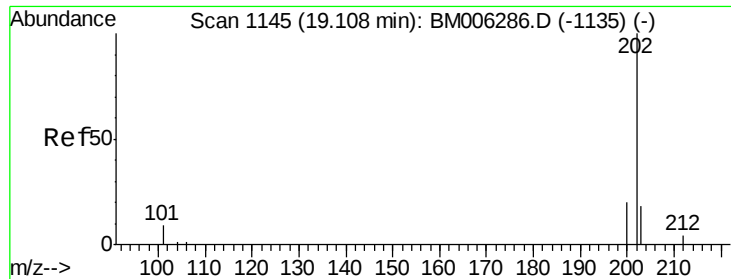
Ion Ratio Lower Upper

178 100

176 27.1 14.0 21.0#

179 30.8 12.9 19.3#

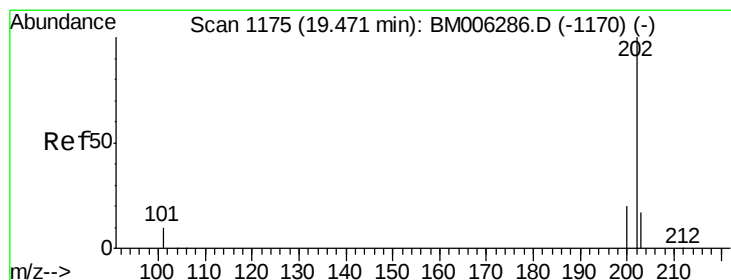
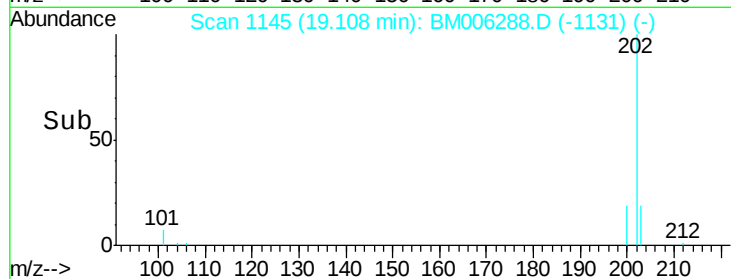
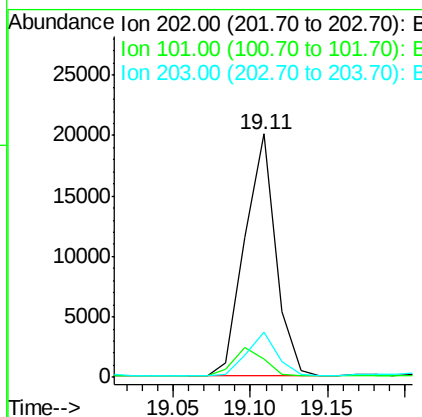
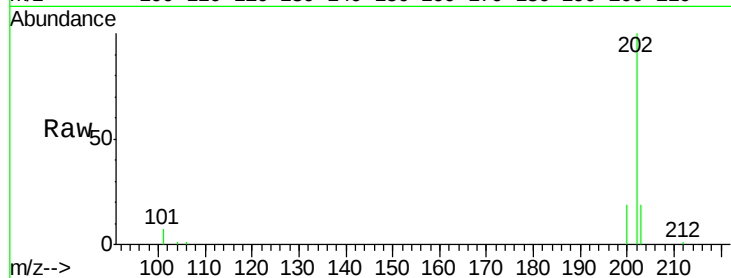




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.11 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BM006288.D
 Acq: 06 Jul 2016 18:26

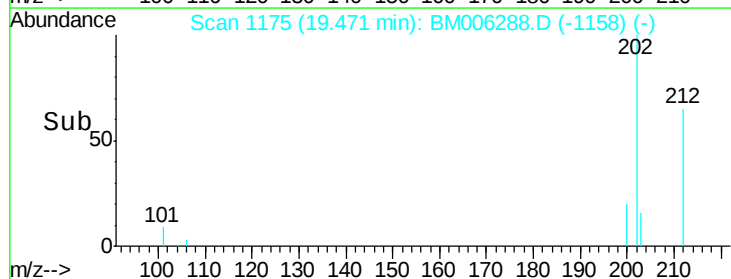
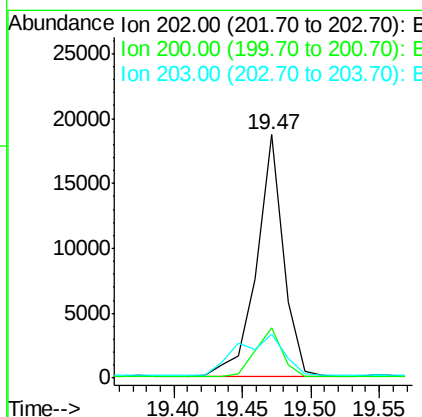
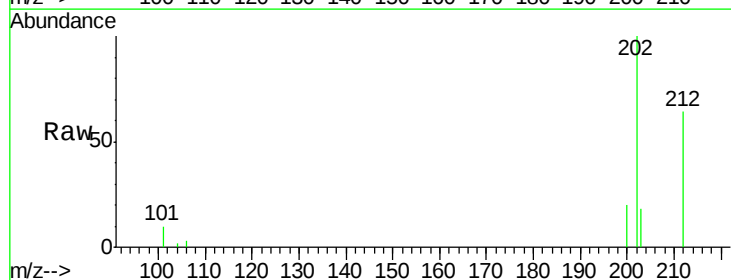
Instrument :
 BNA_M
 ClientSampleId :
 A4TV2

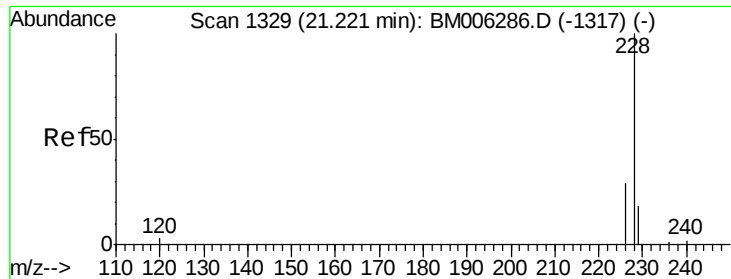
Tgt Ion:202 Resp: 27969
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 29.6
 203 18.7 0.0 36.3



#19
Pyrene
 Concen: 0.48 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BM006288.D
 Acq: 06 Jul 2016 18:26

Tgt Ion:202 Resp: 25434
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.8
 203 18.3 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.25 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

BNA_M

ClientSampleId :

A4TV2

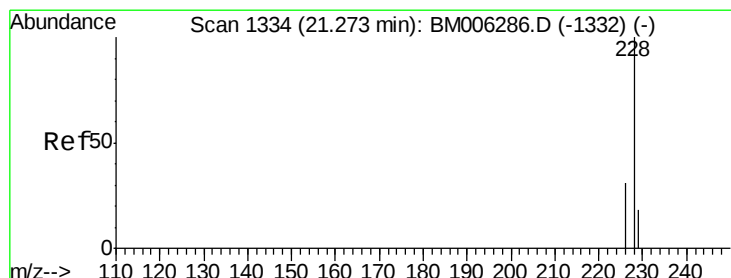
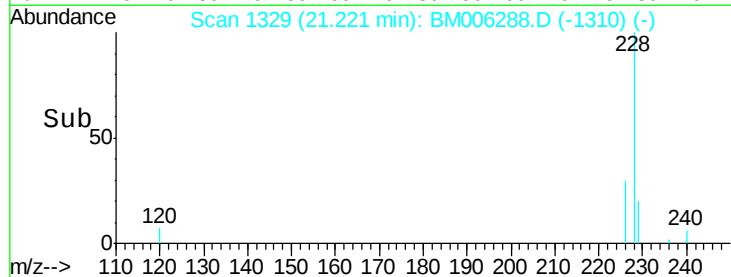
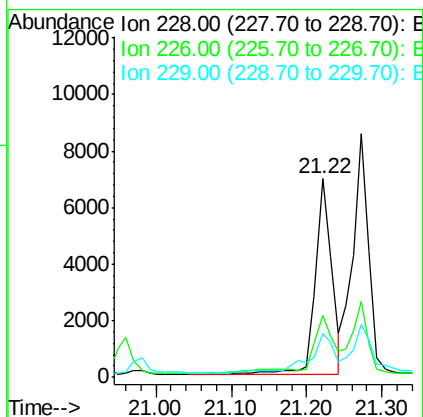
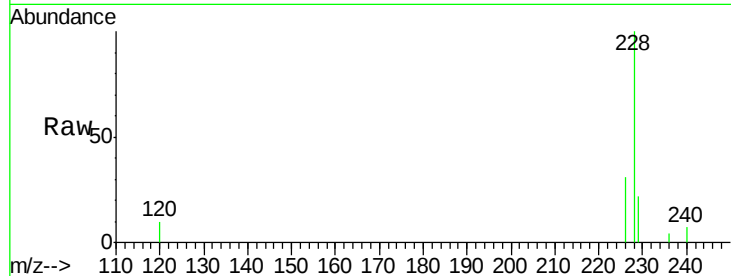
Tgt Ion:228 Resp: 10181

Ion Ratio Lower Upper

228 100

226 31.2 18.8 28.2#

229 22.1 17.1 25.7



#21

Chrysene

Concen: 0.31 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

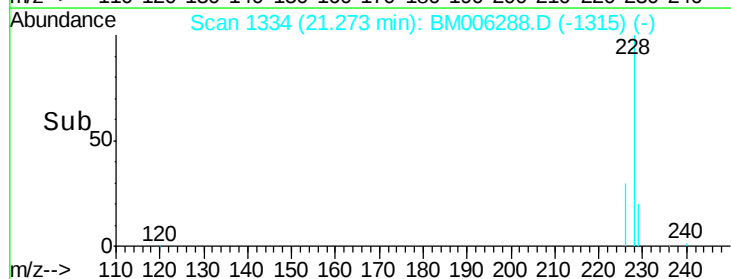
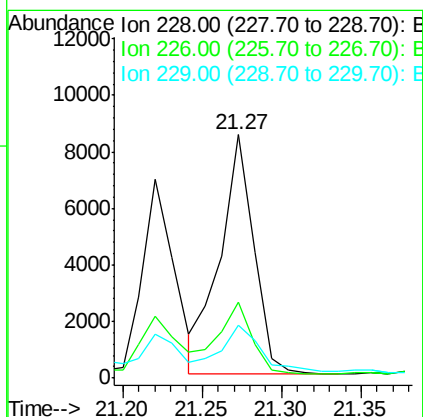
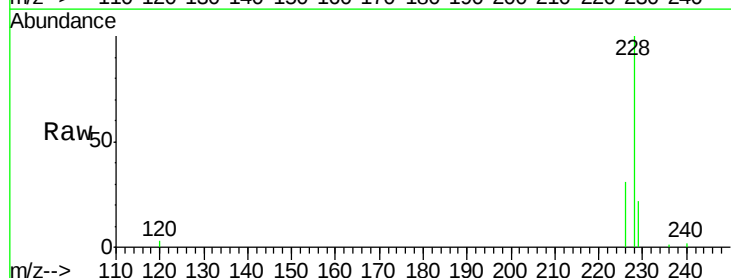
Tgt Ion:228 Resp: 12513

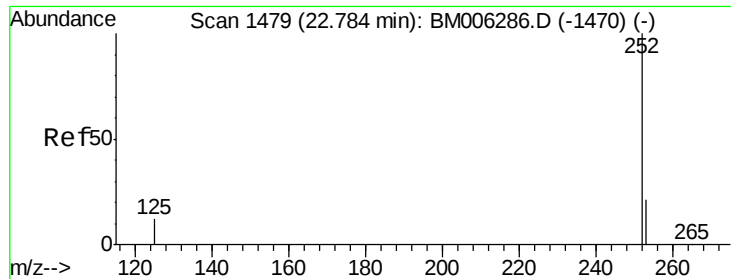
Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

229 21.9 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

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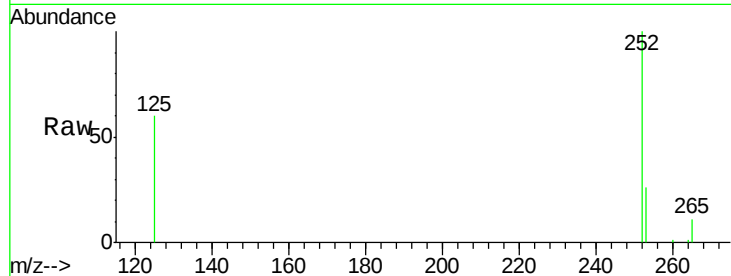
Tgt Ion:252 Resp: 14319

Ion Ratio Lower Upper

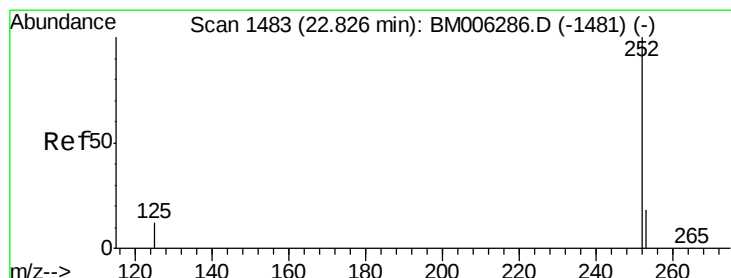
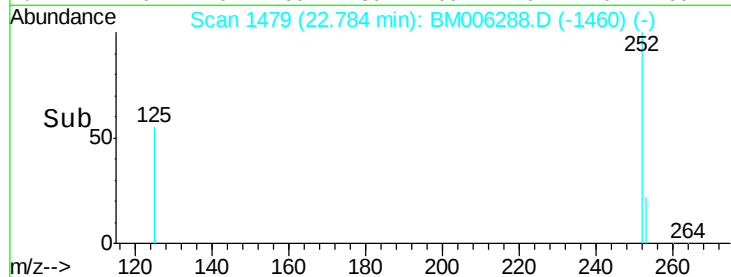
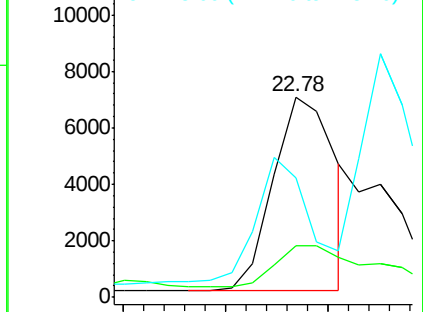
252 100

253 26.0 0.0 45.4

125 59.6 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/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006288.D

Acq: 06 Jul 2016 18:26

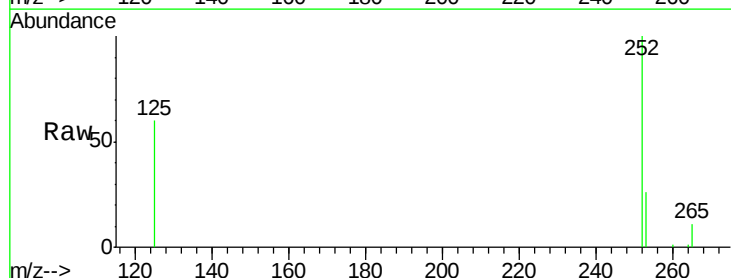
Tgt Ion:252 Resp: 21169

Ion Ratio Lower Upper

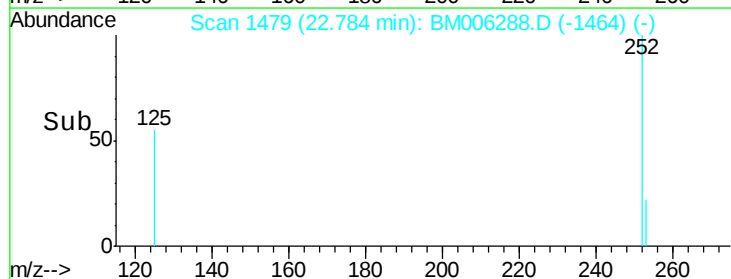
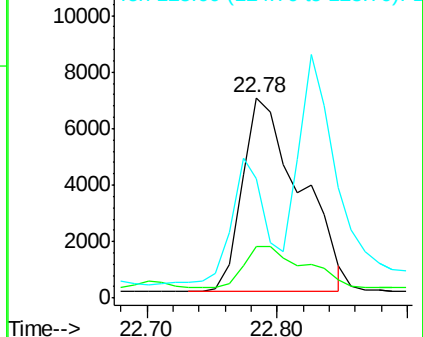
252 100

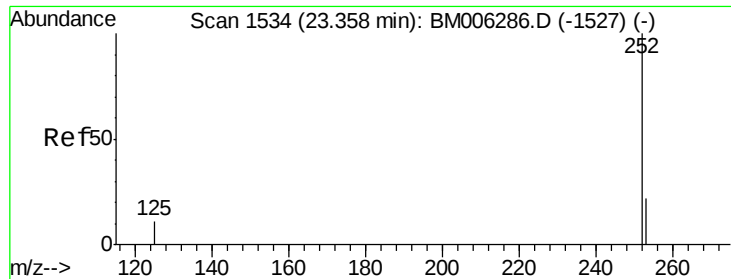
253 26.0 19.8 29.8

125 59.6 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: BM006288.D

Acq: 06 Jul 2016 18:26

Instrument :

BNA_M

ClientSampleId :

A4TV2

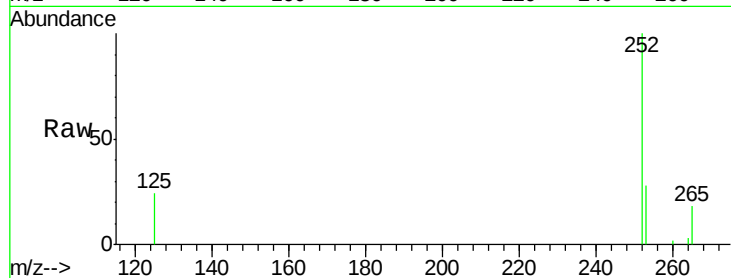
Tgt Ion:252 Resp: 9002

Ion Ratio Lower Upper

252 100

253 28.1 19.4 29.2

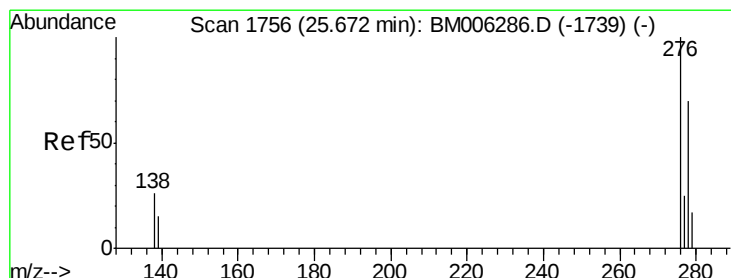
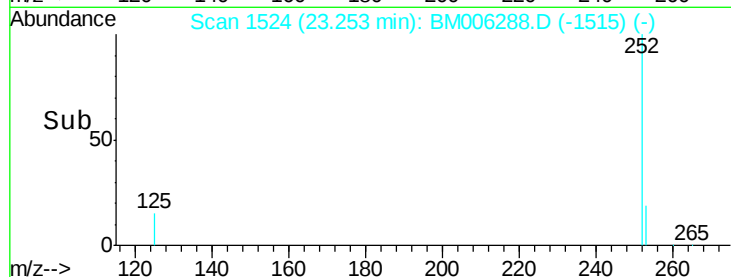
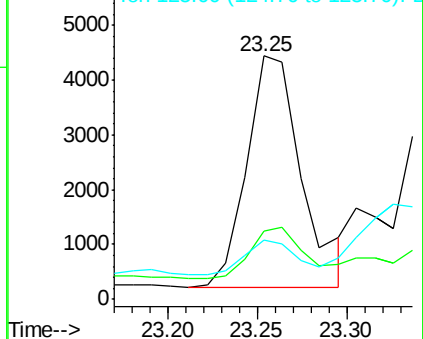
125 24.5 12.7 19.1#



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: BM006288.D

Acq: 06 Jul 2016 18:26

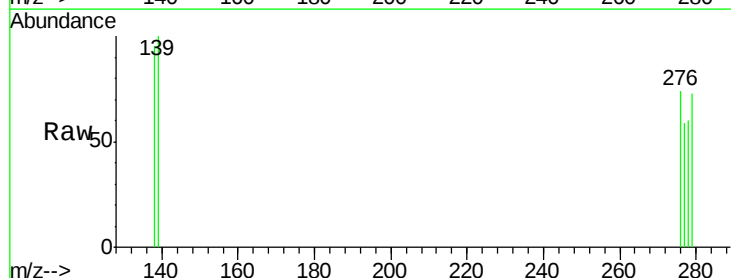
Tgt Ion:276 Resp: 924

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

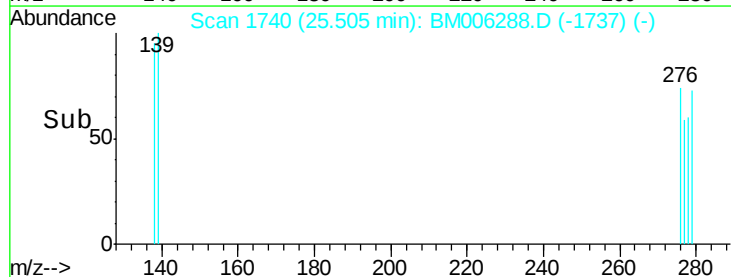
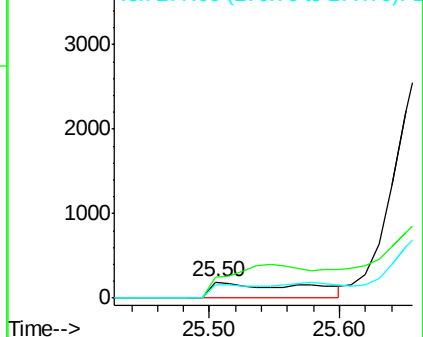
277 0.0 19.8 29.8#

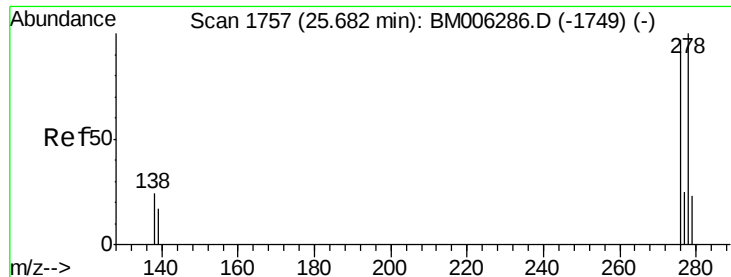


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM006288.D
Acq: 06 Jul 2016 18:26

Instrument :
BNA_M
ClientSampleId :
A4TV2

Tgt Ion: 278 Resp: 472
Ion Ratio Lower Upper
278 100
139 166.2 16.4 24.6#
279 121.4 20.2 30.2#

