

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Quant Time: Jul 07 02:20:53 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	4656	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18708	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10780	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1085748	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	15020	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	606844	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	7935	4.03	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6471	0.30	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	13690	0.01	ng/ul	-0.01

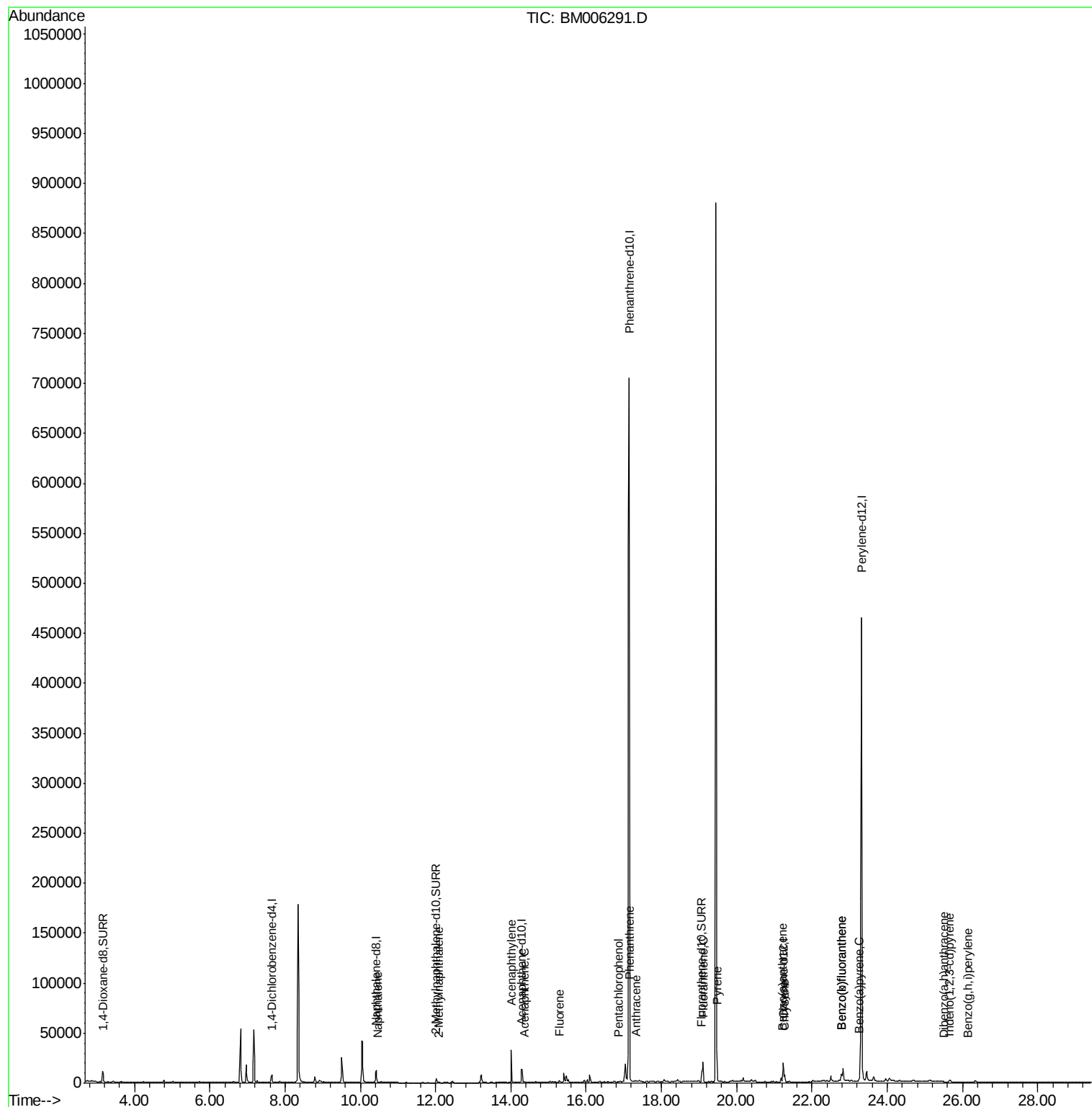
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	344	0.01	ng/ul#	35
7) 2-Methylnaphthalene	12.09	142	204	0.01	ng/ul	100
9) Acenaphthylene	14.01	152	853	0.02	ng/ul#	84
10) Acenaphthene	14.35	153	223	0.01	ng/ul#	75
11) Fluorene	15.29	166	2491	0.06	ng/ul#	24
13) Pentachlorophenol	16.87	266	17	0.00	ng/ul#	20
14) Phenanthrene	17.16	178	1184	0.00	ng/ul#	31
15) Anthracene	17.31	178	476	0.00	ng/ul#	1
17) Fluoranthene	19.11	202	19337	0.01	ng/ul	93
19) Pyrene	19.47	202	16969	0.27	ng/ul#	95
20) Benzo(a)anthracene	21.22	228	5263	0.11	ng/ul#	89
21) Chrysene	21.27	228	7378	0.15	ng/ul#	90
23) Benzo(b)fluoranthene	22.78	252	8016	0.00	ng/ul#	50
24) Benzo(k)fluoranthene	22.78	252	11586	0.01	ng/ul#	55
25) Benzo(a)pyrene	23.25	252	4191	0.00	ng/ul#	69
26) Indeno(1,2,3-cd)pyrene	25.66	276	3044	0.00	ng/ul	94
27) Dibenzo(a,h)anthracene	25.52	278	362	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.15	276	112	0.00	ng/ul#	1

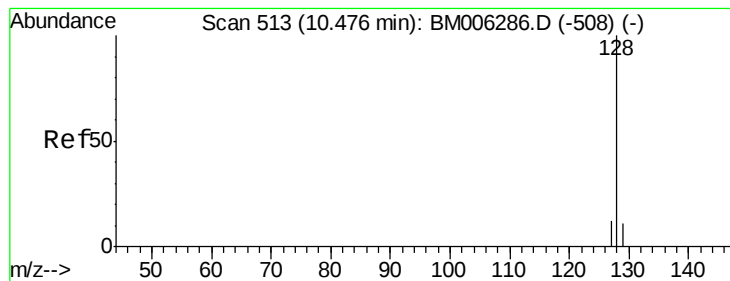
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

ClientSampleId :

A4TV5

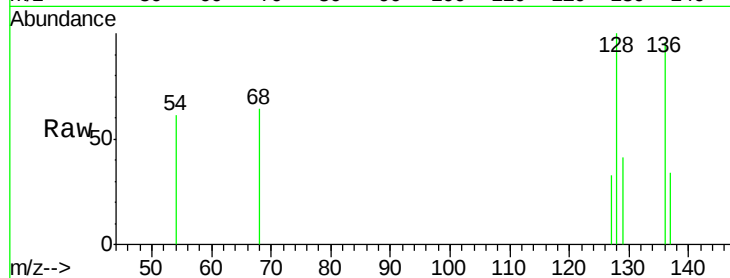
Tgt Ion:128 Resp: 344

Ion Ratio Lower Upper

128 100

129 41.3 9.0 13.6#

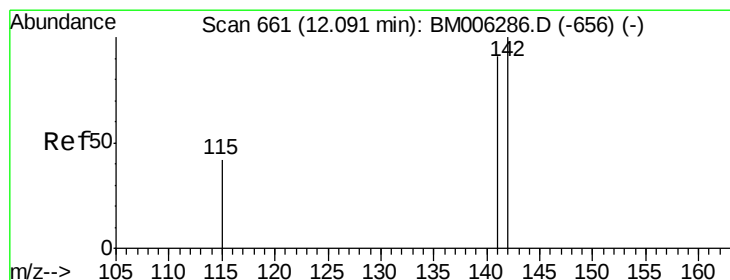
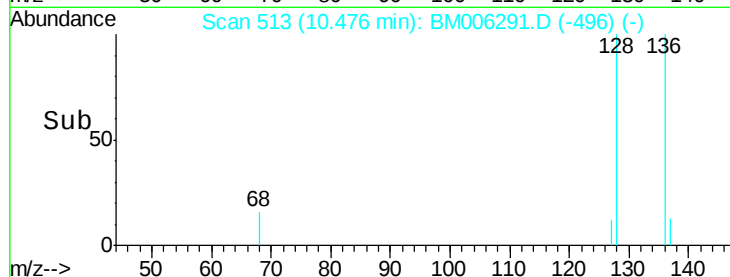
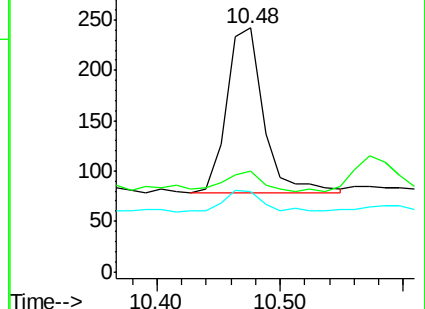
127 32.6 9.6 14.4#



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: BM006291.D

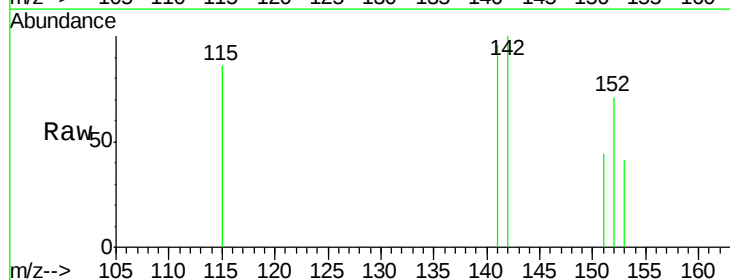
Acq: 06 Jul 2016 20:14

Tgt Ion:142 Resp: 204

Ion Ratio Lower Upper

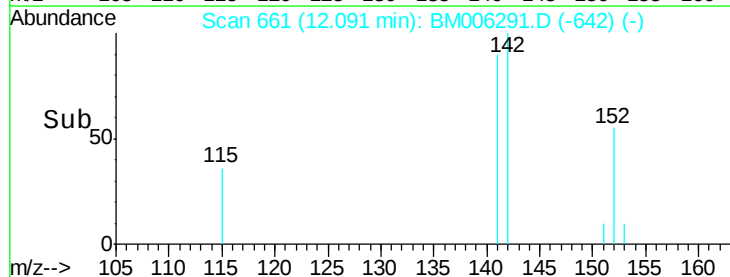
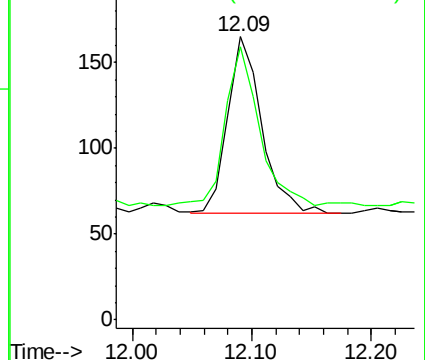
142 100

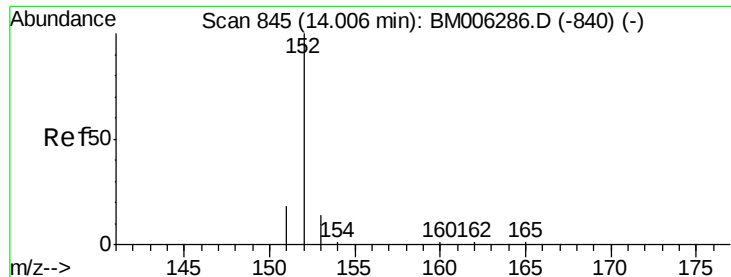
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

ClientSampleId :

A4TV5

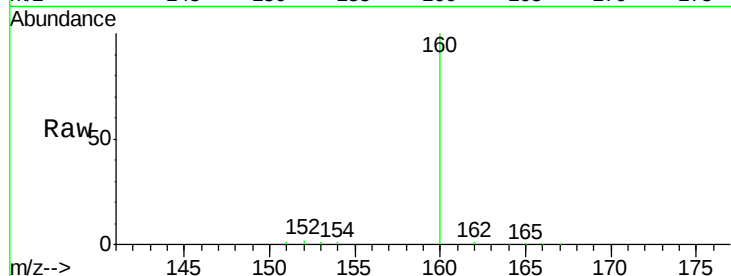
Tgt Ion:152 Resp: 853

Ion Ratio Lower Upper

152 100

151 26.7 17.6 26.4#

153 22.8 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

14.01

800

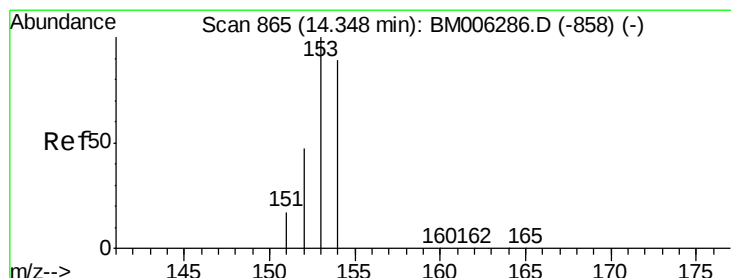
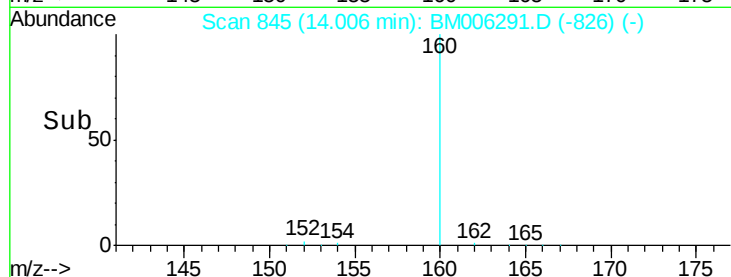
600

400

200

0

Time-->



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

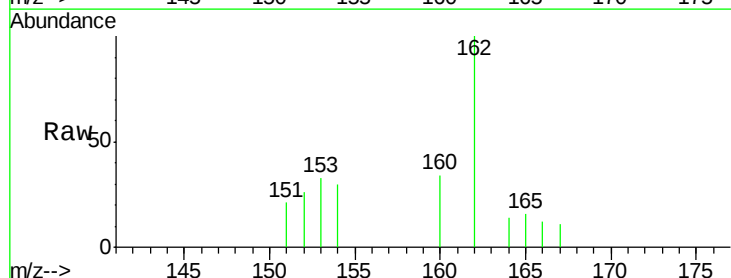
Tgt Ion:153 Resp: 223

Ion Ratio Lower Upper

153 100

152 77.6 33.9 50.9#

154 89.1 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

14.35

250

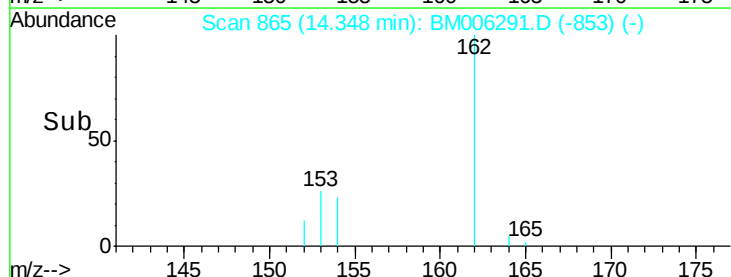
200

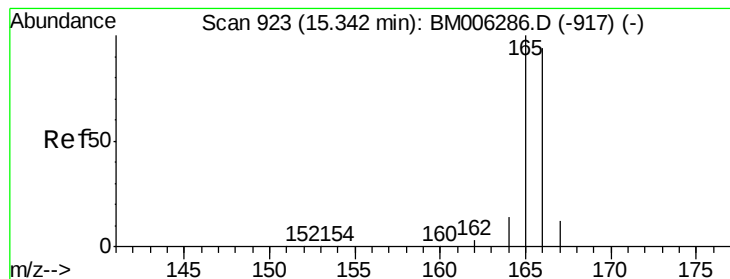
150

100

50

Time-->





#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

ClientSampleId :

A4TV5

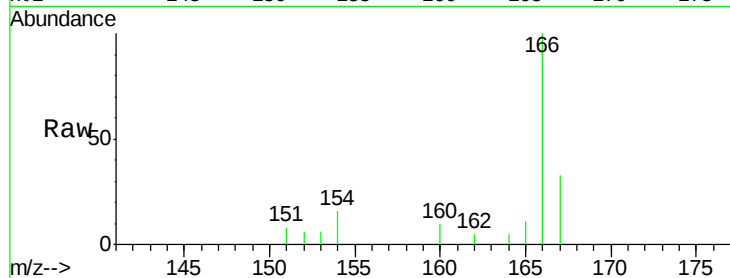
Tgt Ion:166 Resp: 2491

Ion Ratio Lower Upper

166 100

165 11.3 69.6 104.4#

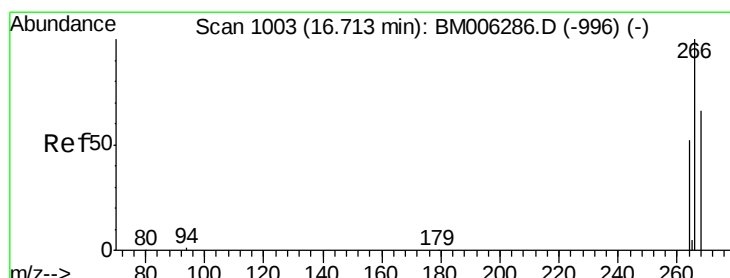
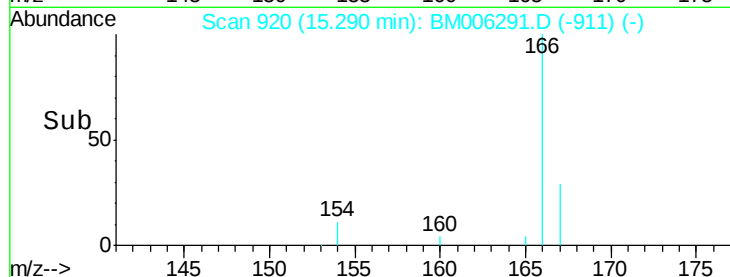
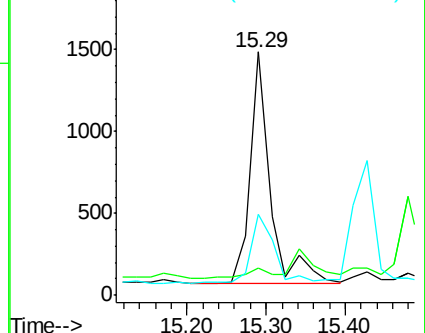
167 33.2 11.9 17.9#



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: 16.87 min Scan# 1012

Delta R.T. 0.15 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

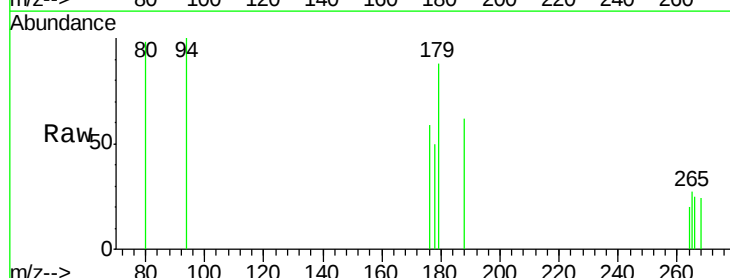
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

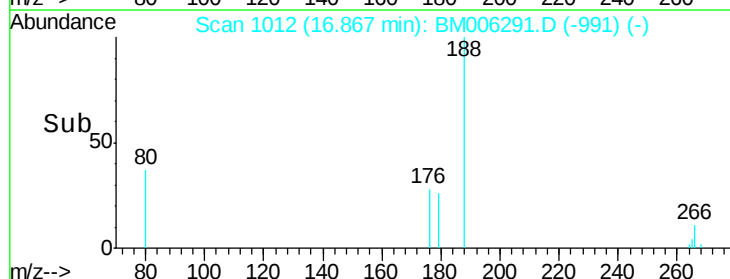
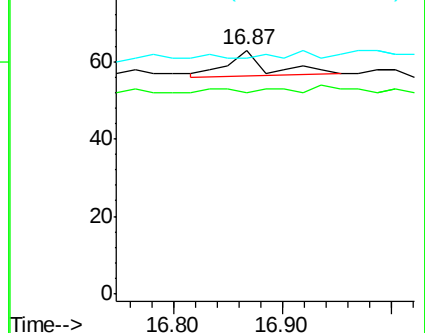
268 0.0 46.8 70.2#

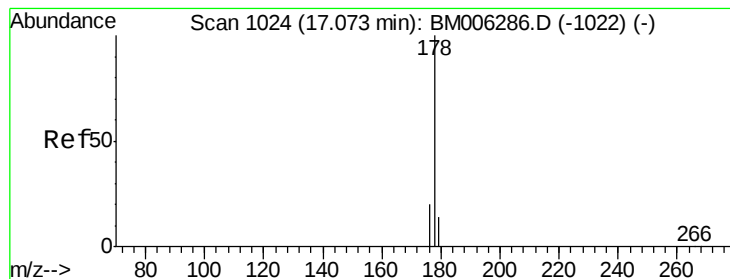


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

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A4TV5

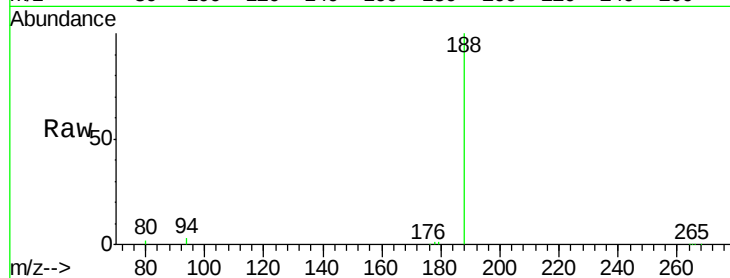
Tgt Ion:178 Resp: 1184

Ion Ratio Lower Upper

178 100

176 34.5 13.0 19.4#

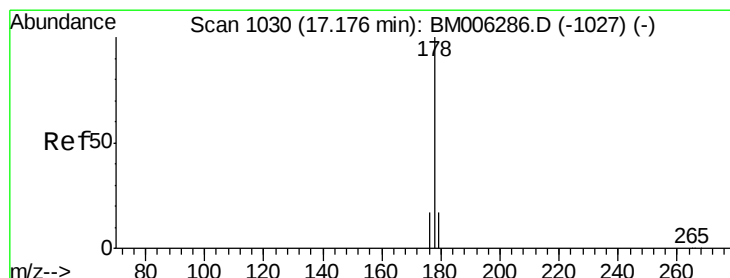
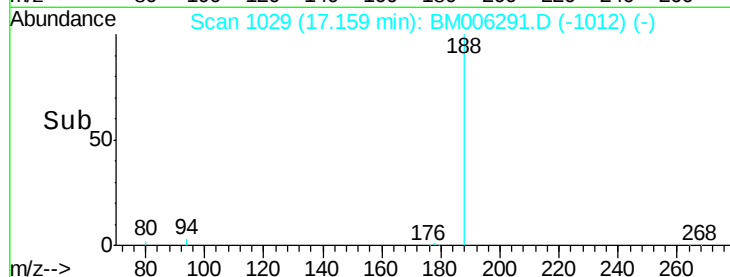
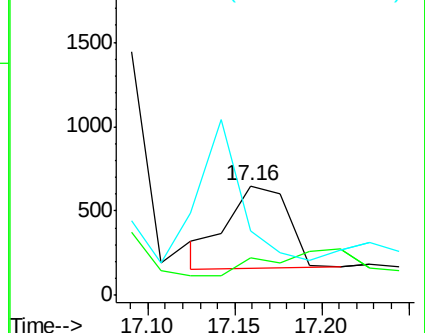
179 58.5 14.2 21.2#



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.14 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

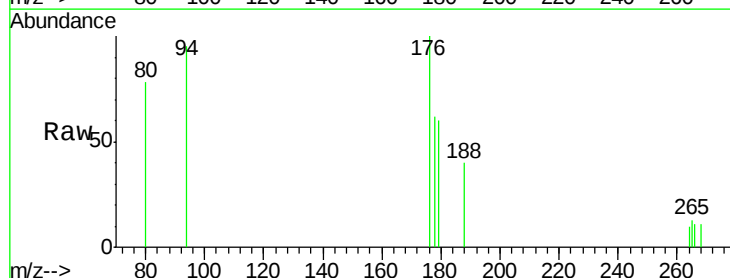
Tgt Ion:178 Resp: 476

Ion Ratio Lower Upper

178 100

176 161.0 14.0 21.0#

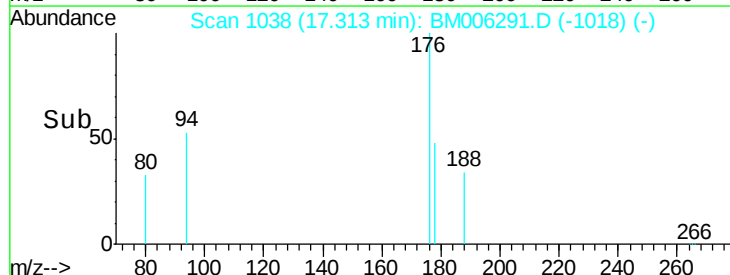
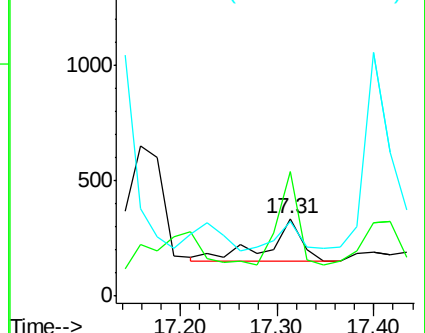
179 96.4 12.9 19.3#

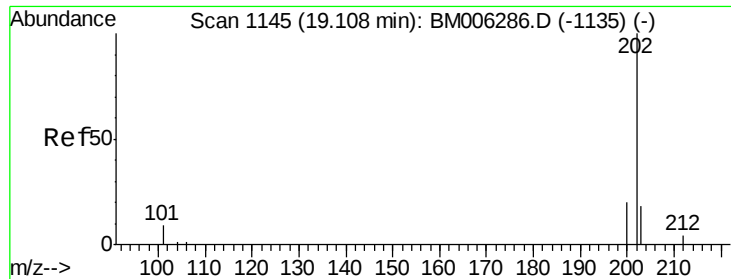


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

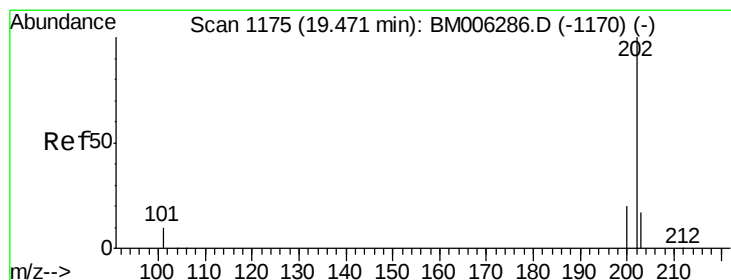
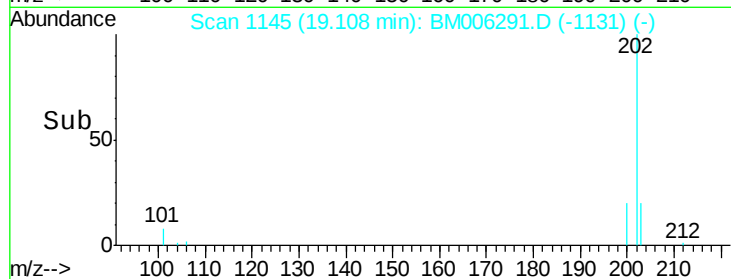
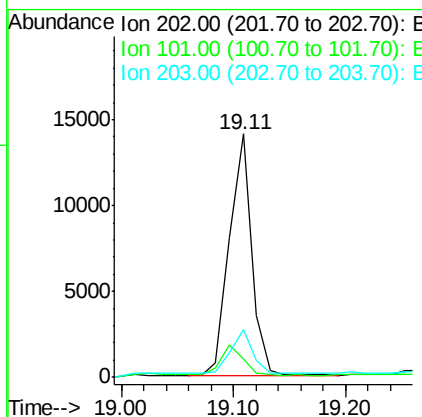
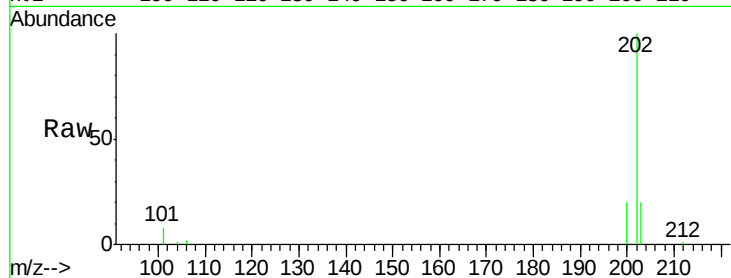




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.11 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BM006291.D
 Acq: 06 Jul 2016 20:14

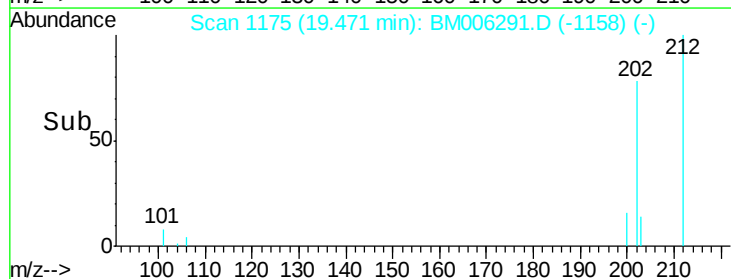
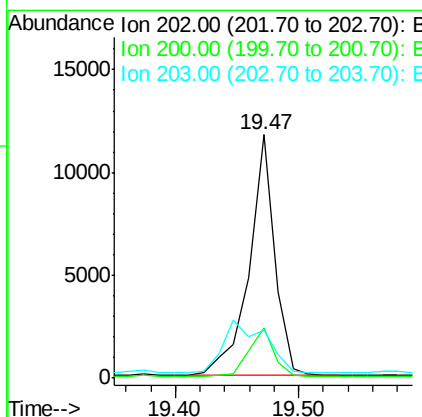
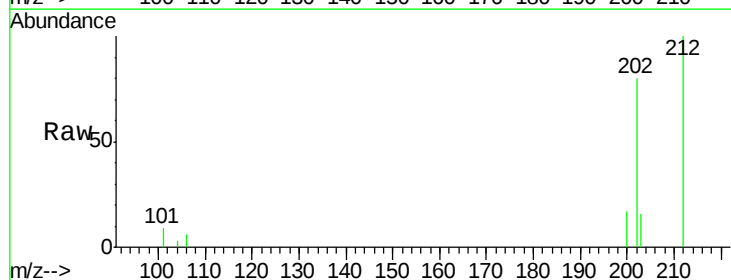
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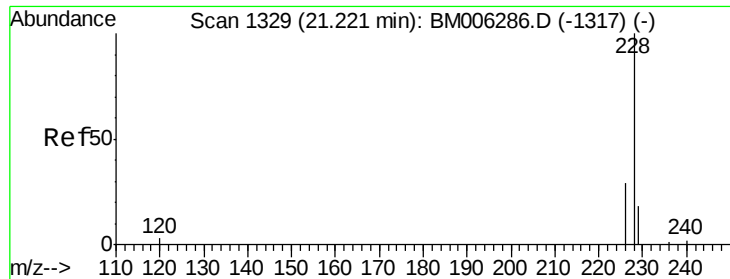
Tgt Ion:202 Resp: 19337
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 29.6
 203 19.8 0.0 36.3



#19
Pyrene
 Concen: 0.27 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BM006291.D
 Acq: 06 Jul 2016 20:14

Tgt Ion:202 Resp: 16969
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.8 26.8
 203 19.5 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

ClientSampleId :

A4TV5

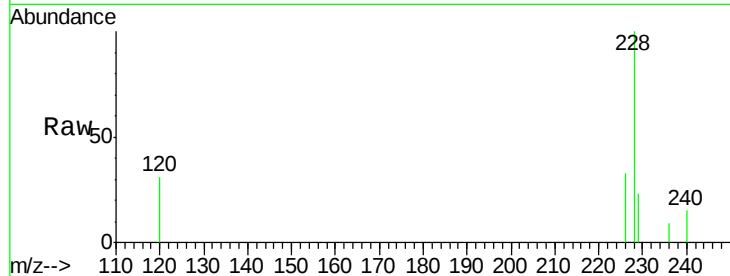
Tgt Ion:228 Resp: 5263

Ion Ratio Lower Upper

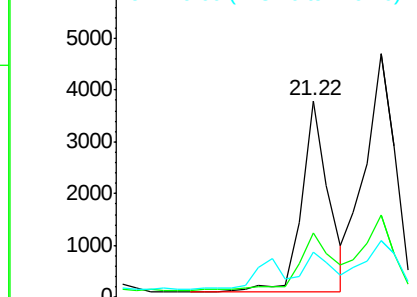
228 100

226 32.7 18.8 28.2#

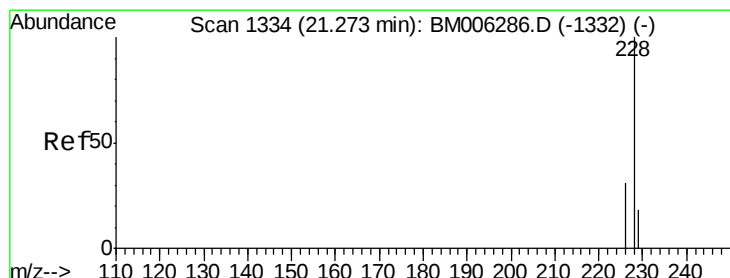
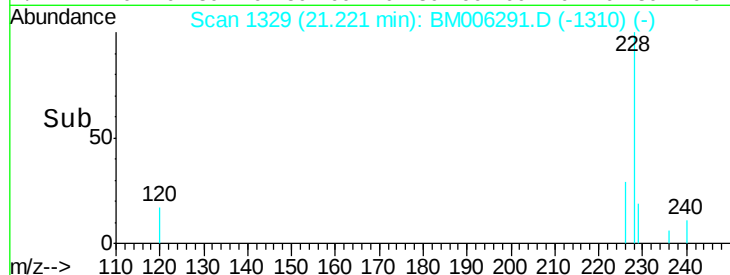
229 22.8 17.1 25.7



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



Time-->



#21

Chrysene

Concen: 0.15 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

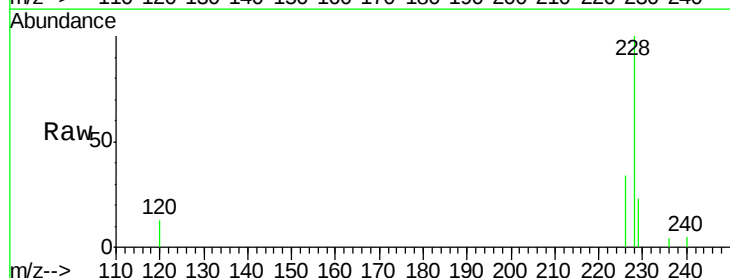
Tgt Ion:228 Resp: 7378

Ion Ratio Lower Upper

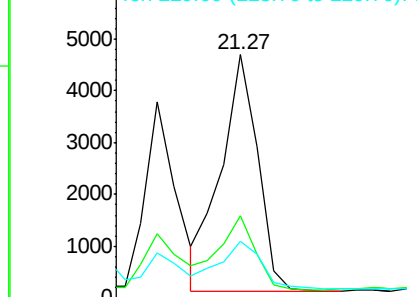
228 100

226 33.8 21.2 31.8#

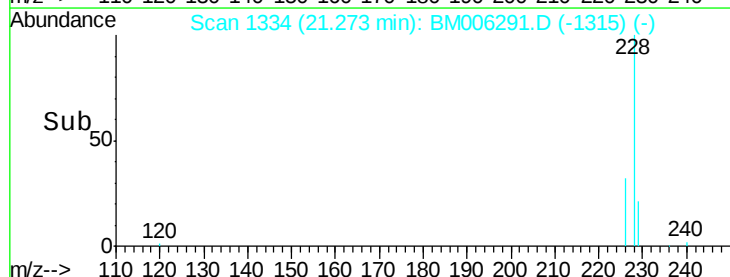
229 23.2 17.0 25.6

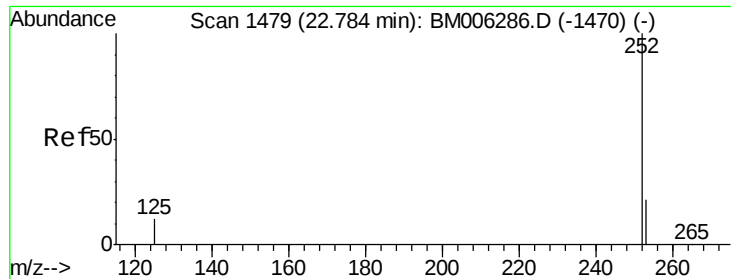


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

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A4TV5

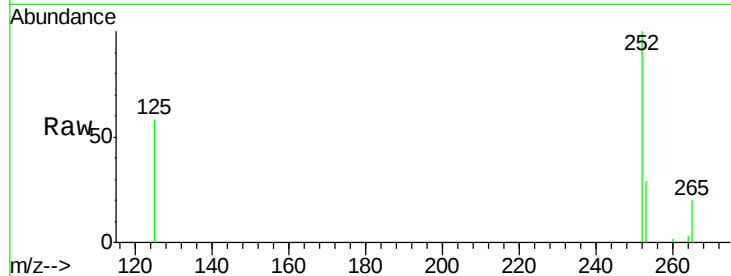
Tgt Ion:252 Resp: 8016

Ion Ratio Lower Upper

252 100

253 29.3 0.0 45.4

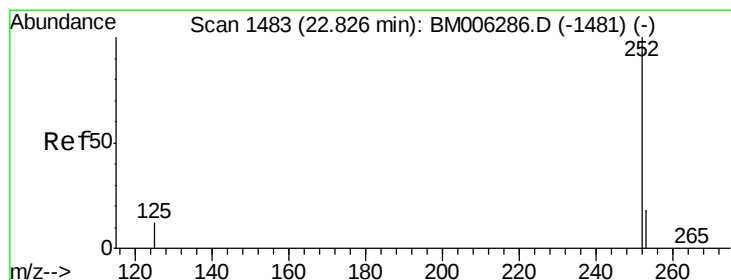
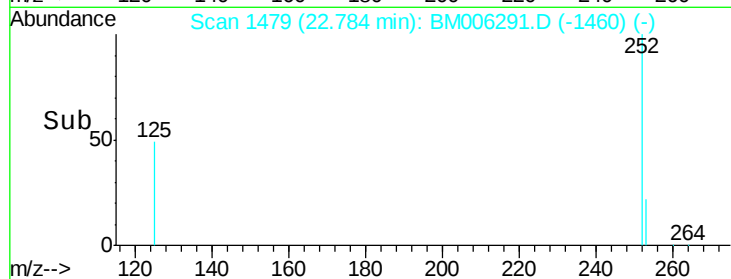
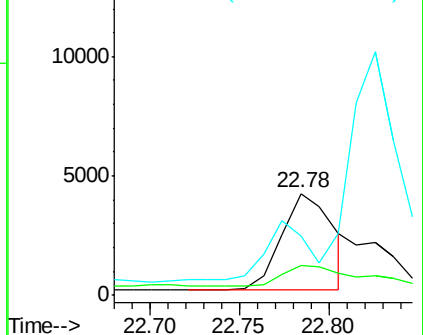
125 58.1 0.0 28.8#



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: BM006291.D

Acq: 06 Jul 2016 20:14

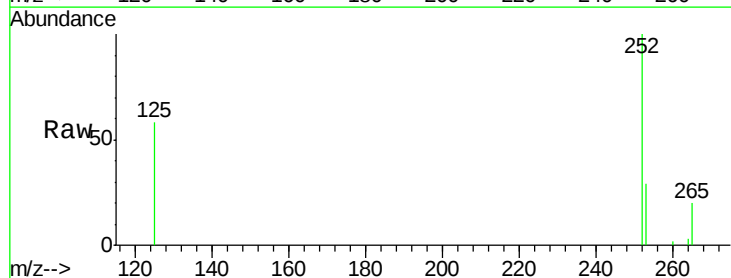
Tgt Ion:252 Resp: 11586

Ion Ratio Lower Upper

252 100

253 29.3 19.8 29.8

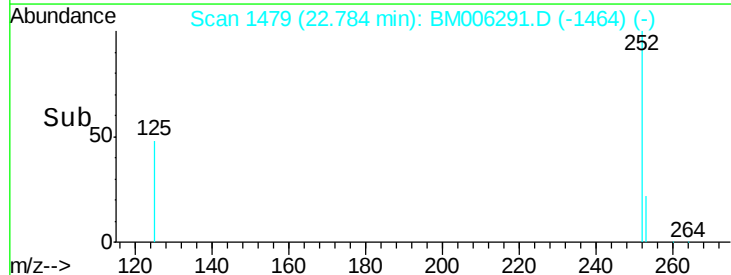
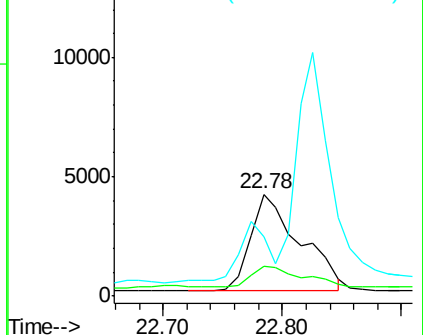
125 58.1 10.4 15.6#

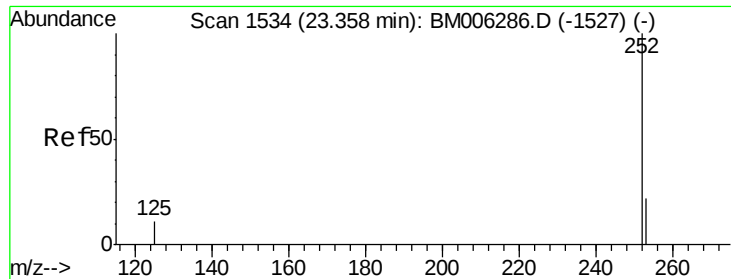


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM006291.D

Acq: 06 Jul 2016 20:14

Instrument :

BNA_M

ClientSampleId :

A4TV5

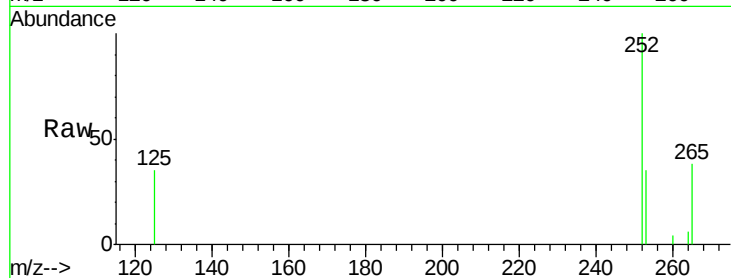
Tgt Ion:252 Resp: 4191

Ion Ratio Lower Upper

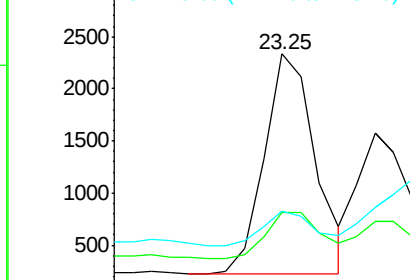
252 100

253 34.9 19.4 29.2#

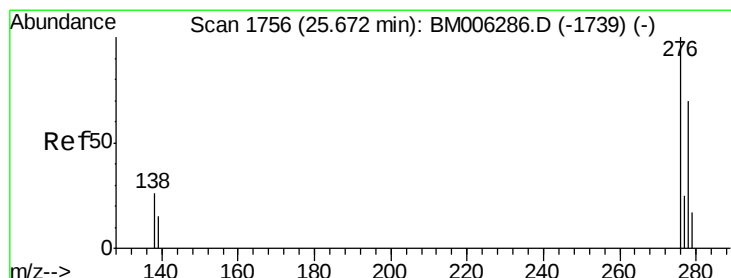
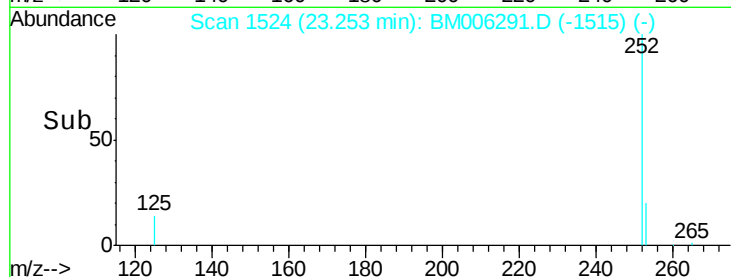
125 35.4 12.7 19.1#



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



Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006291.D

Acq: 06 Jul 2016 20:14

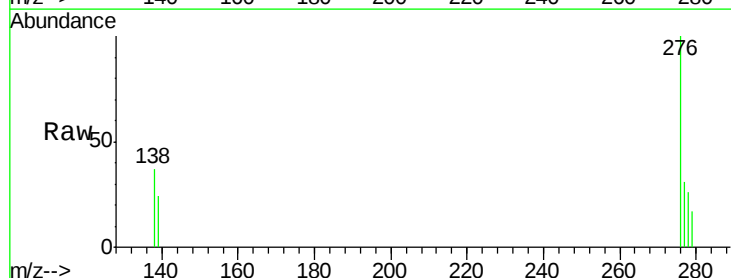
Tgt Ion:276 Resp: 3044

Ion Ratio Lower Upper

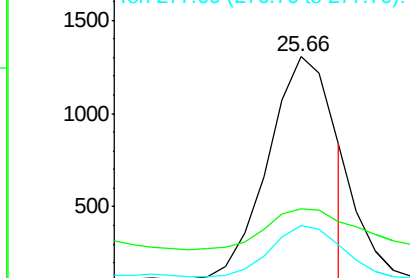
276 100

138 17.6 16.3 24.5

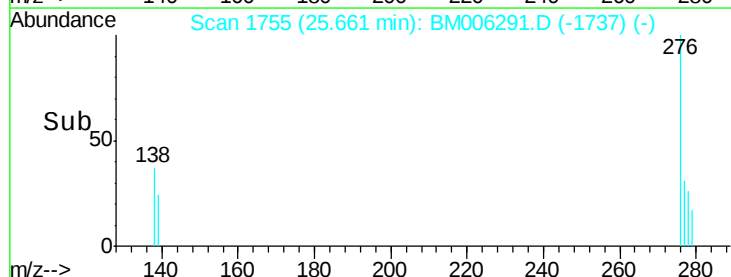
277 21.8 19.8 29.8

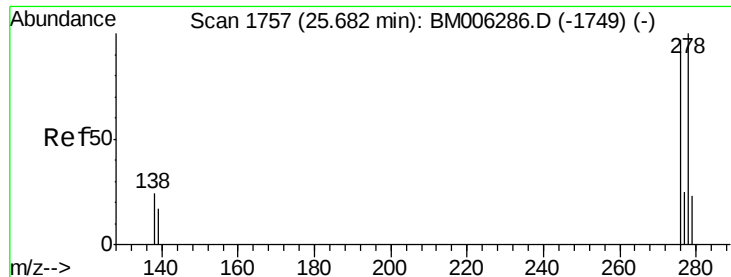


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



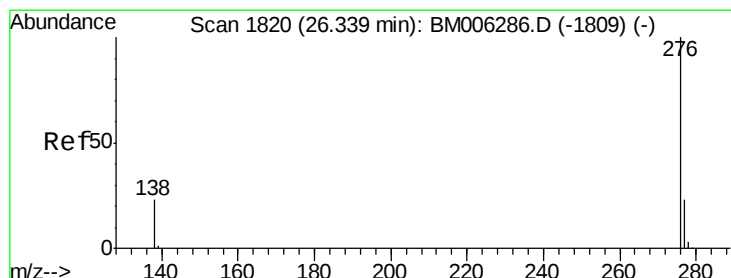
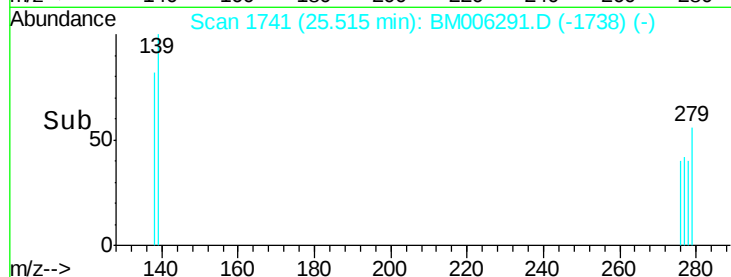
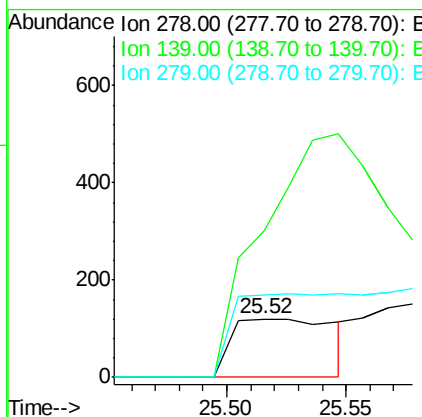
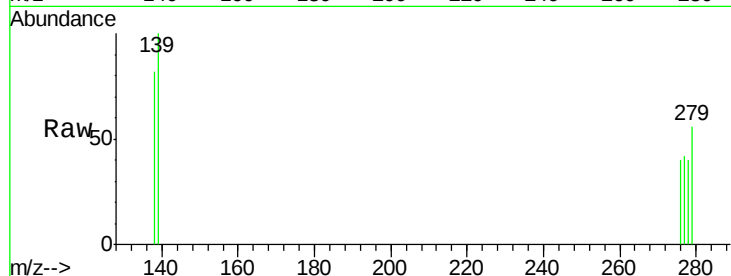


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.52 min Scan# 1741
Delta R.T. -0.17 min
Lab File: BM006291.D
Acq: 06 Jul 2016 20:14

Instrument :
BNA_M
ClientSampleId :
A4TV5

Tgt Ion: 278 Resp: 362

Ion	Ratio	Lower	Upper
278	100		
139	250.8	16.4	24.6#
279	141.7	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.15 min Scan# 1802
Delta R.T. -0.19 min
Lab File: BM006291.D
Acq: 06 Jul 2016 20:14

Tgt Ion: 276 Resp: 112

Ion	Ratio	Lower	Upper
276	100		
277	106.6	18.9	28.3#
138	192.6	22.5	33.7#

