

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006293.D
 Acq On : 06 Jul 2016 21:27
 Operator : UM/SJ
 Sample : H3811-07MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MS

Quant Time: Jul 07 02:21:14 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	4624	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18175	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10386	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1037487	0.40	ng/ul	0.10
18) Chrysene-d12	21.23	240	14374	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	599532	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	7962	4.07	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6360	0.30	ng/ul	-0.01
16) Fluoranthene-d10	19.08	212	13273	0.01	ng/ul	0.00

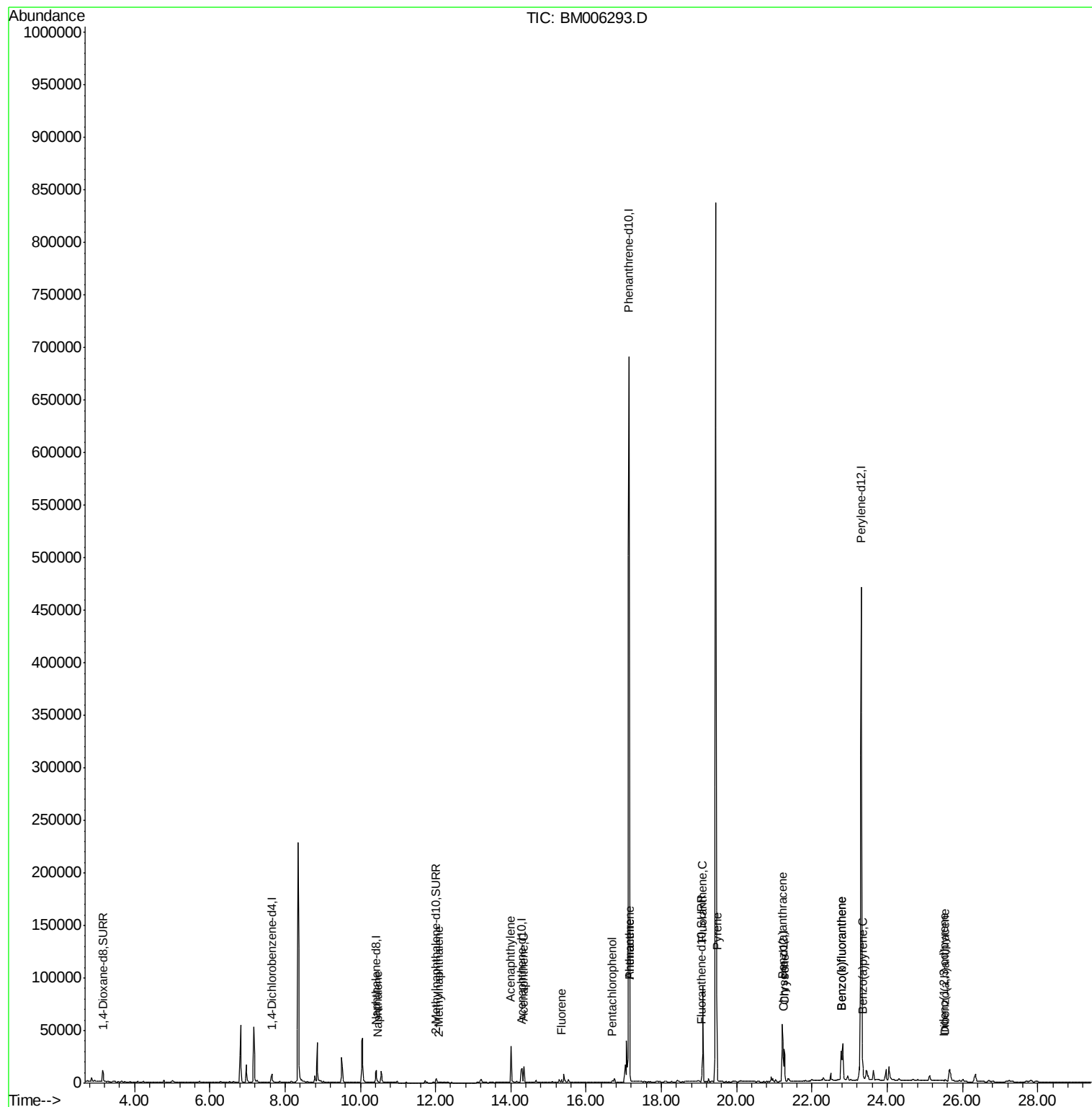
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	1332	0.03	ng/ul#	79
7) 2-Methylnaphthalene	12.09	142	657	0.02	ng/ul	97
9) Acenaphthylene	14.01	152	2920	0.08	ng/ul#	94
10) Acenaphthene	14.35	153	9299	0.27	ng/ul	89
11) Fluorene	15.34	166	1655	0.04	ng/ul#	79
13) Pentachlorophenol	16.70	266	1596	0.01	ng/ul	96
14) Phenanthrene	17.16	178	8021	0.00	ng/ul#	89
15) Anthracene	17.16	178	8032	0.00	ng/ul#	89
17) Fluoranthene	19.10	202	88274	0.03	ng/ul	98
19) Pyrene	19.48	202	93367	1.55	ng/ul#	91
20) Benzo(a)anthracene	21.21	228	29221	0.63	ng/ul#	88
21) Chrysene	21.27	228	30912	0.68	ng/ul#	91
23) Benzo(b)fluoranthene	22.79	252	30755	0.01	ng/ul#	75
24) Benzo(k)fluoranthene	22.79	252	47965	0.02	ng/ul#	78
25) Benzo(a)pyrene	23.35	252	20228	0.01	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.51	276	682	0.00	ng/ul#	19
27) Dibenzo(a,h)anthracene	25.53	278	573	0.00	ng/ul#	1

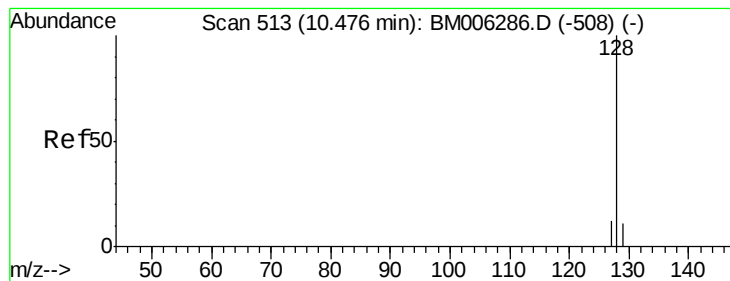
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

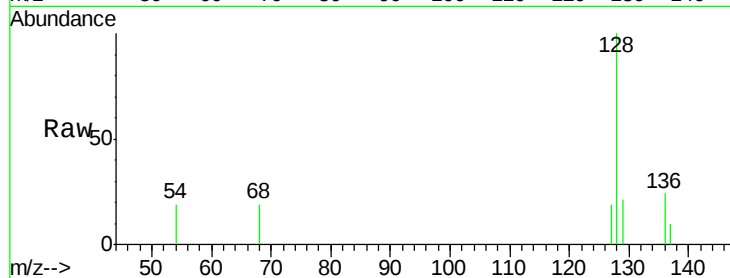
Tgt Ion:128 Resp: 1332

Ion Ratio Lower Upper

128 100

129 20.7 9.0 13.6#

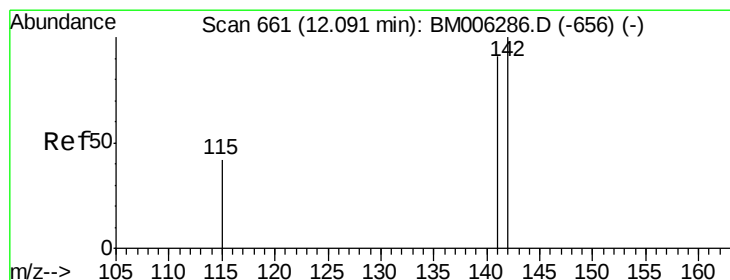
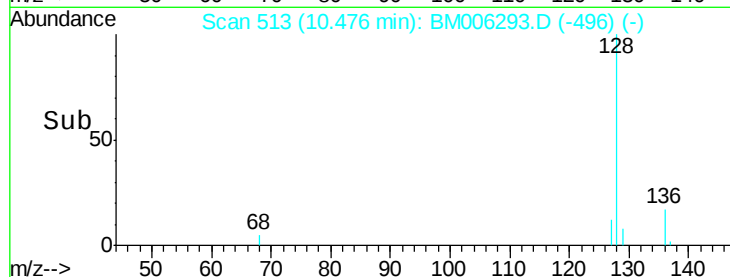
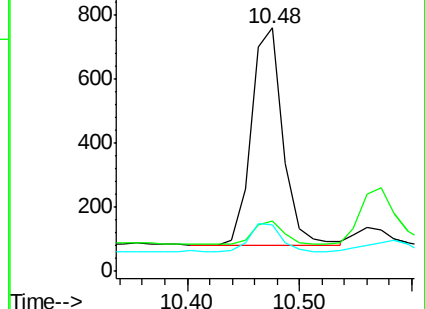
127 19.0 9.6 14.4#



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: 0.02 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006293.D

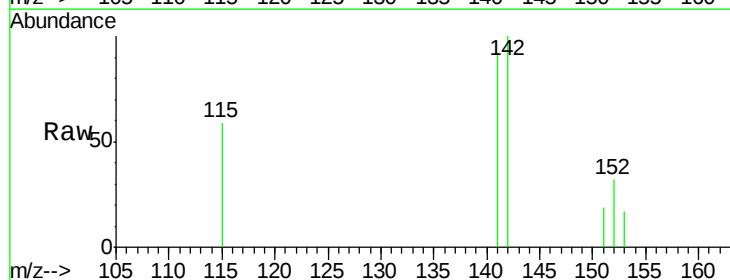
Acq: 06 Jul 2016 21:27

Tgt Ion:142 Resp: 657

Ion Ratio Lower Upper

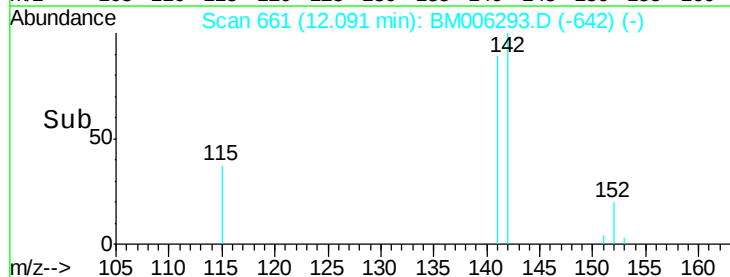
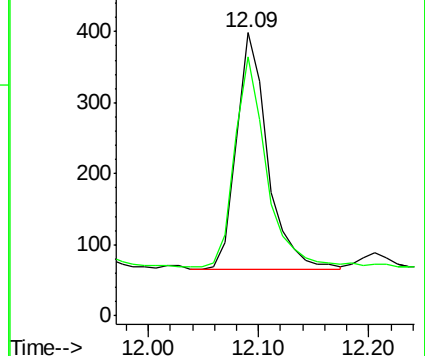
142 100

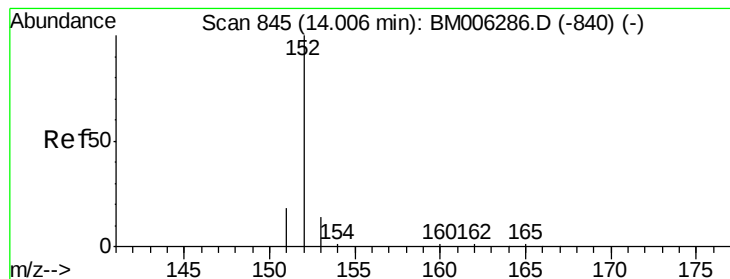
141 90.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

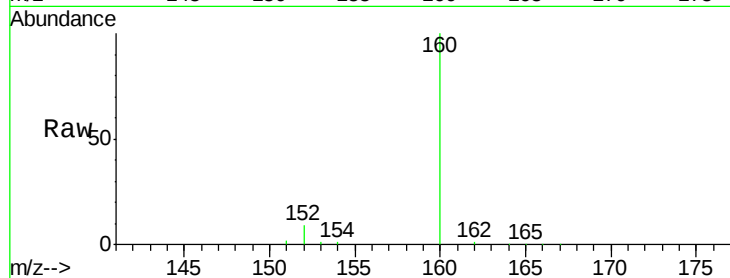
Tgt Ion:152 Resp: 2920

Ion Ratio Lower Upper

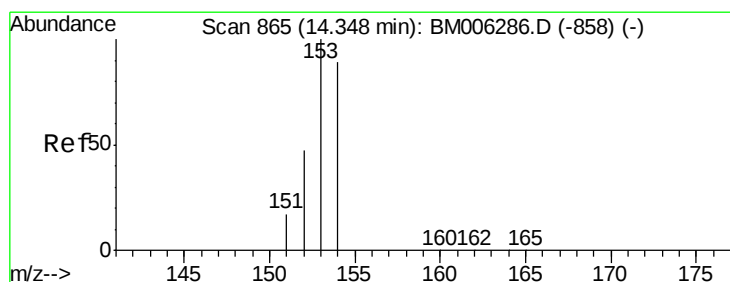
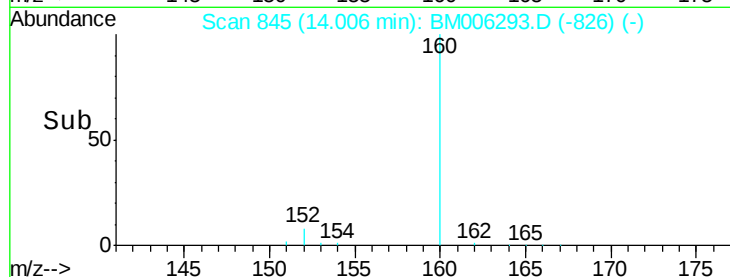
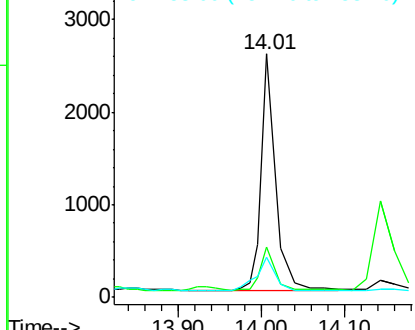
152 100

151 20.8 17.6 26.4

153 16.5 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: 0.27 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

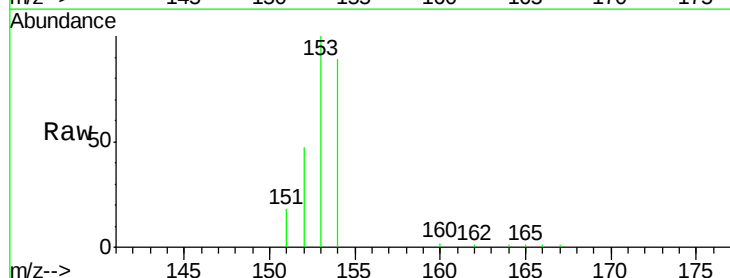
Tgt Ion:153 Resp: 9299

Ion Ratio Lower Upper

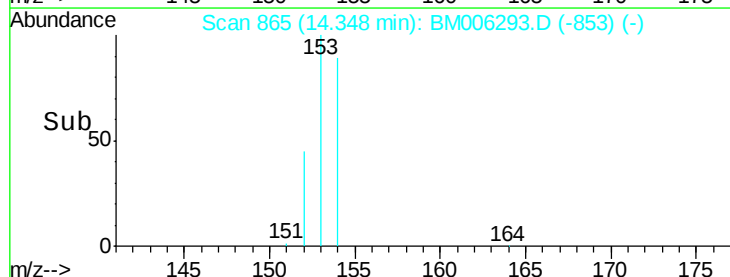
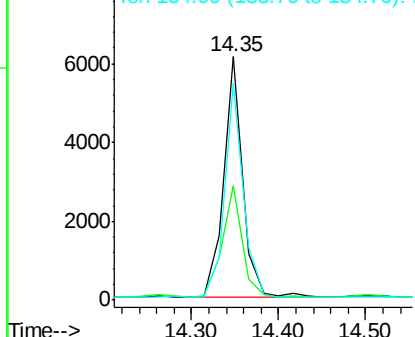
153 100

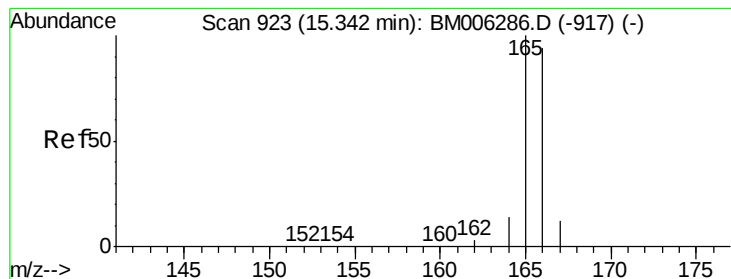
152 47.2 33.9 50.9

154 88.9 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: 0.04 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

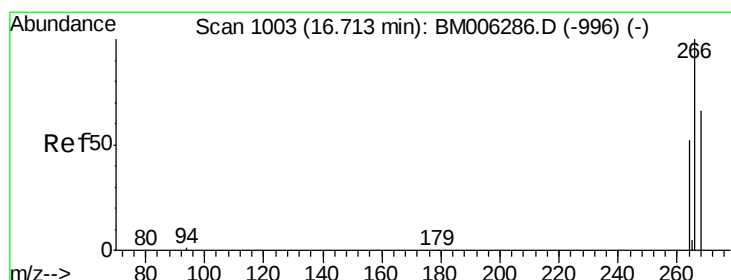
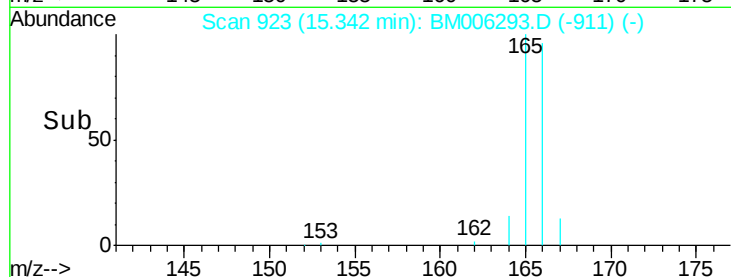
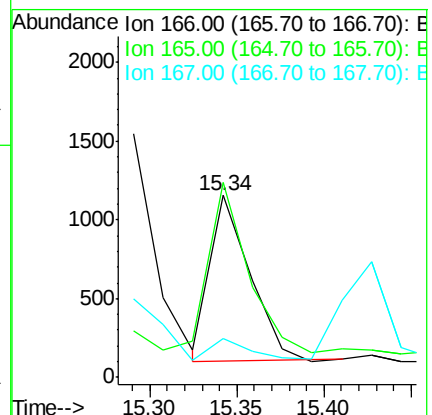
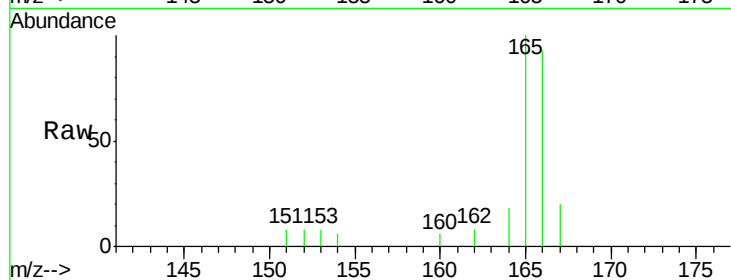
Tgt Ion:166 Resp: 1655

Ion Ratio Lower Upper

166 100

165 107.0 69.6 104.4#

167 21.2 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.70 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

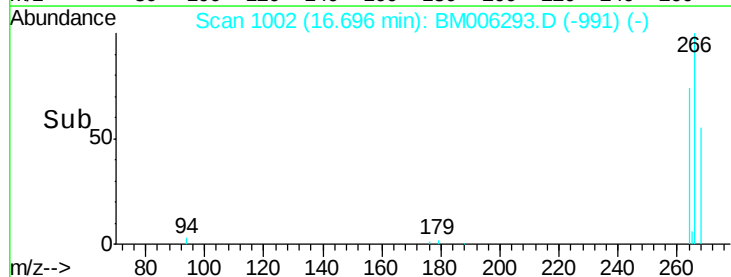
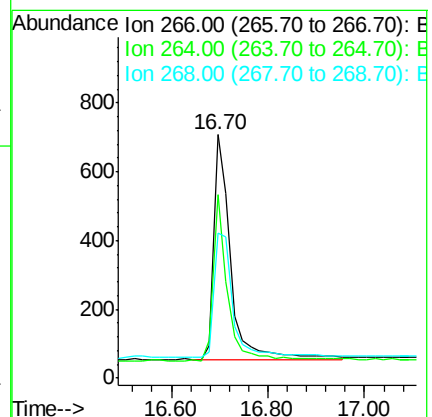
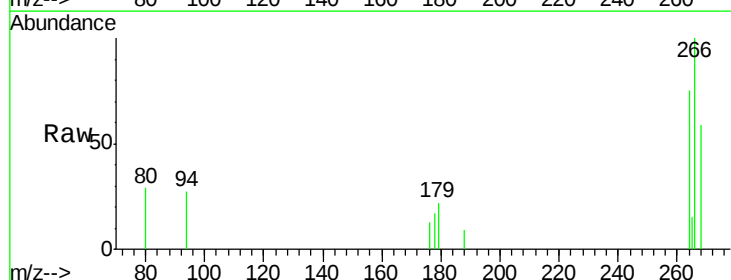
Tgt Ion:266 Resp: 1596

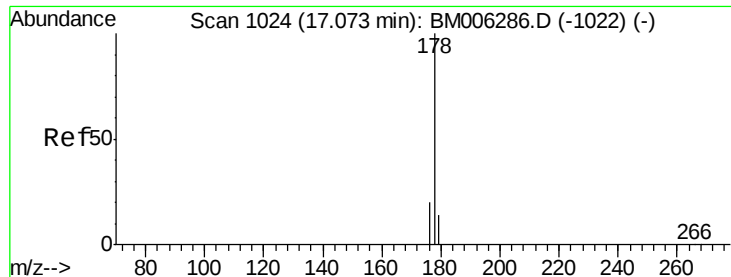
Ion Ratio Lower Upper

266 100

264 62.3 51.8 77.8

268 62.8 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: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

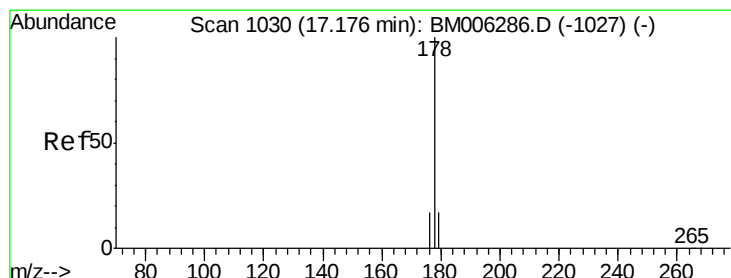
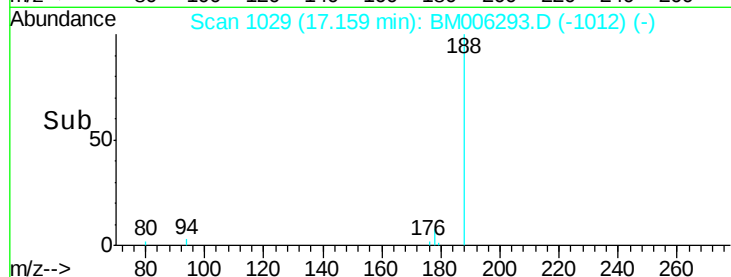
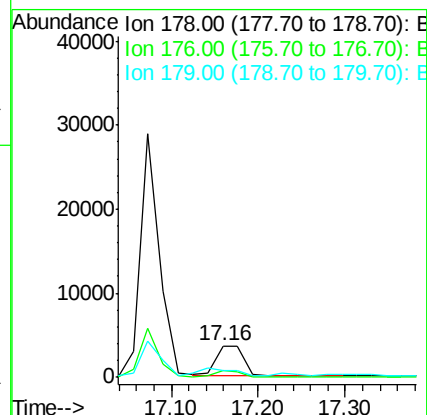
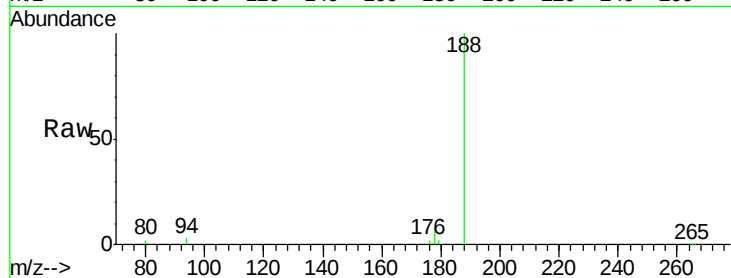
Tgt Ion:178 Resp: 8021

Ion Ratio Lower Upper

178 100

176 23.5 13.0 19.4#

179 19.7 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: BM006293.D

Acq: 06 Jul 2016 21:27

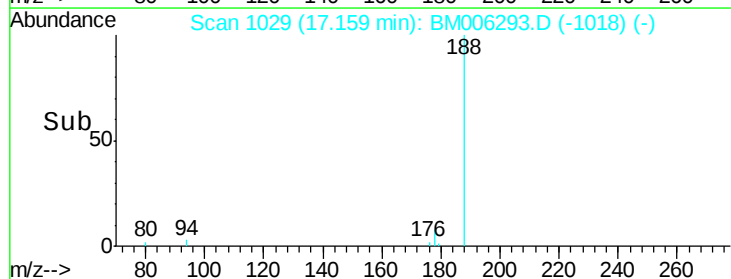
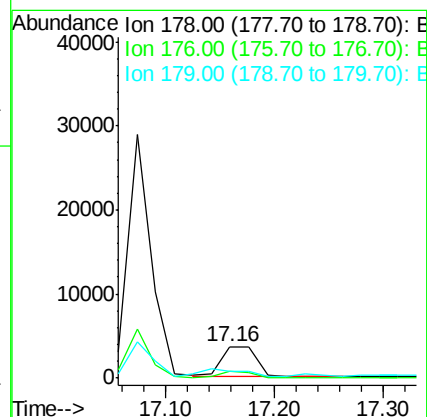
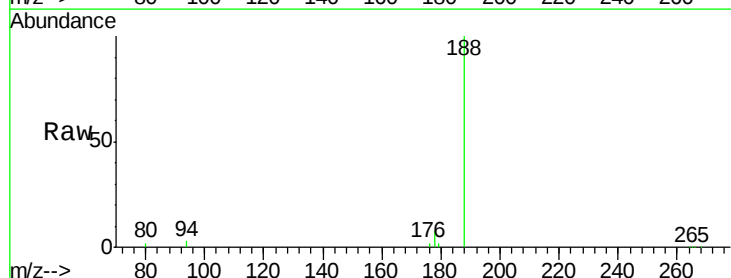
Tgt Ion:178 Resp: 8032

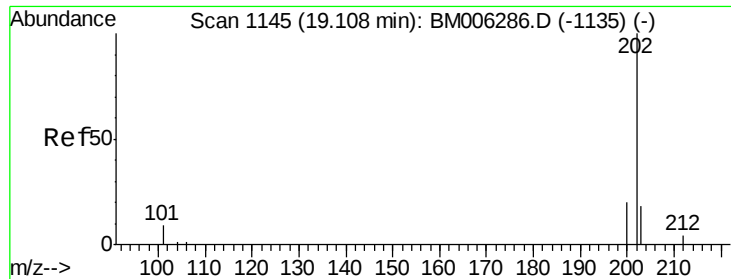
Ion Ratio Lower Upper

178 100

176 23.5 14.0 21.0#

179 19.7 12.9 19.3#

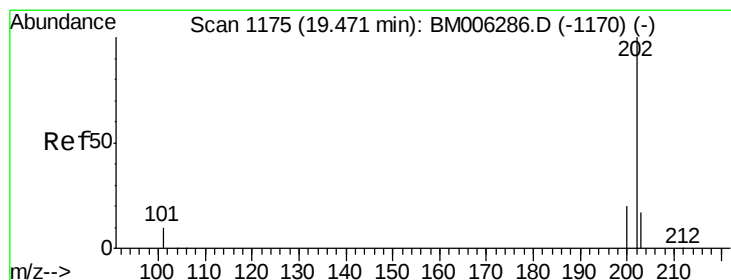
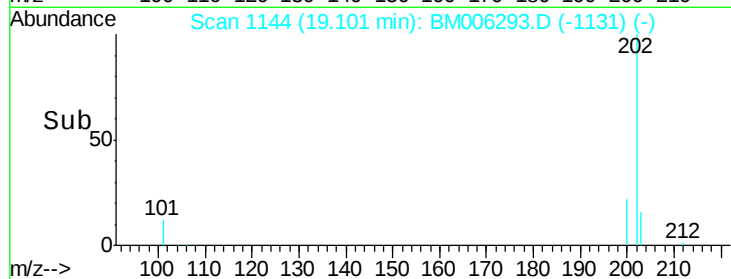
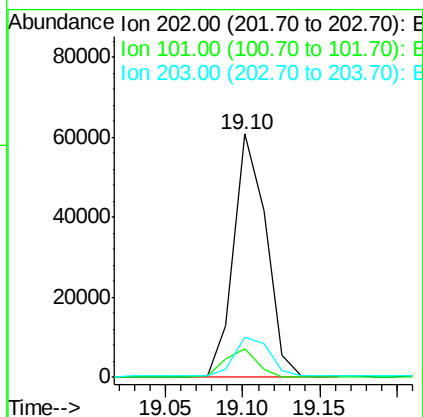
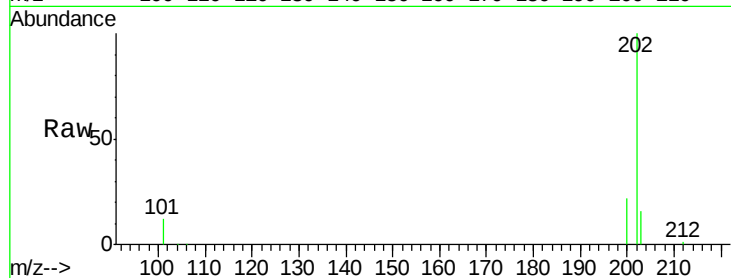




#17
Fluoranthene
 Concen: 0.03 ng/ul
 RT: 19.10 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BM006293.D
 Acq: 06 Jul 2016 21:27

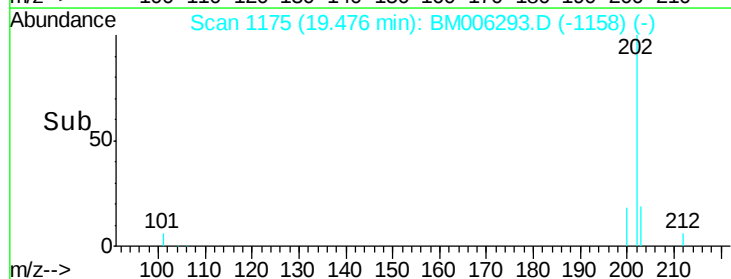
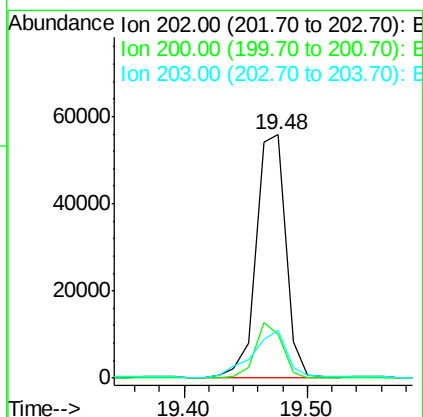
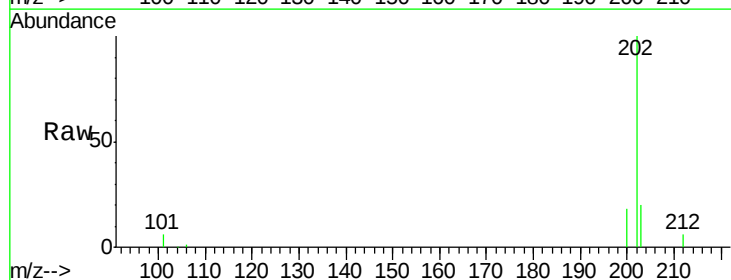
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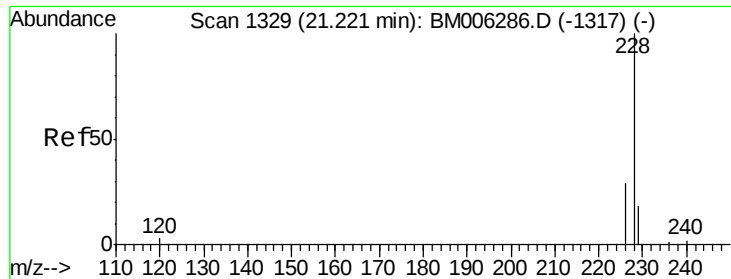
Tgt Ion: 202 Resp: 88274
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 29.6
 203 16.2 0.0 36.3



#19
Pyrene
 Concen: 1.55 ng/ul
 RT: 19.48 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BM006293.D
 Acq: 06 Jul 2016 21:27

Tgt Ion: 202 Resp: 93367
 Ion Ratio Lower Upper
 202 100
 200 17.8 17.8 26.8
 203 19.5 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.63 ng/ul

RT: 21.21 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

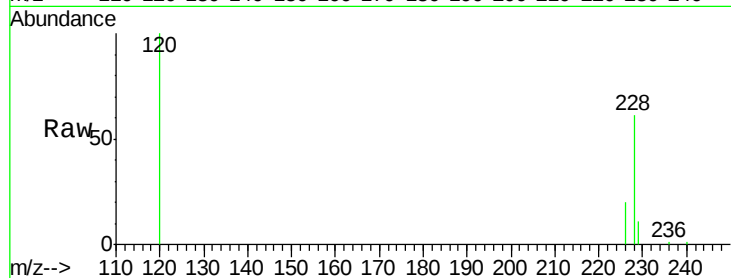
Tgt Ion:228 Resp: 29221

Ion Ratio Lower Upper

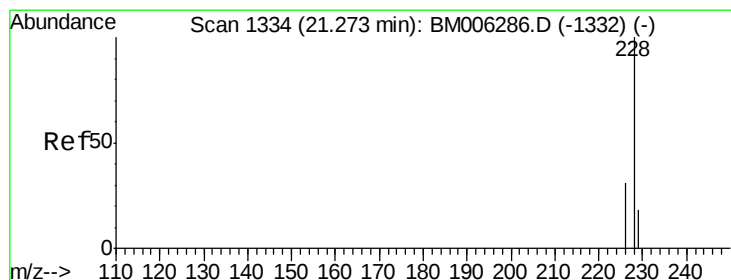
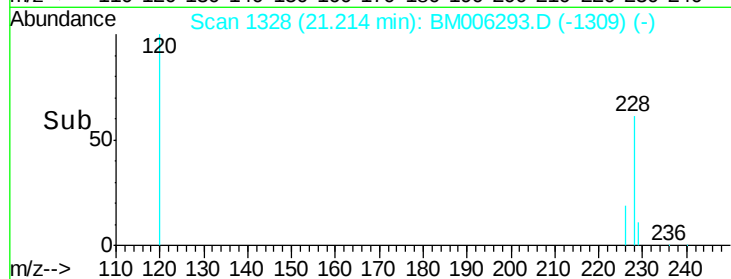
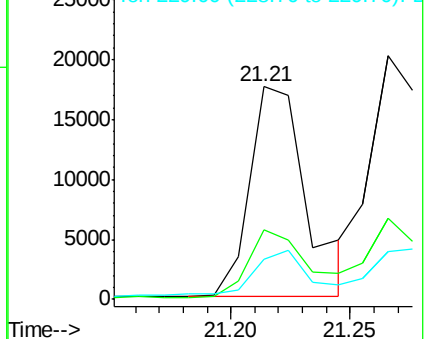
228 100

226 32.5 18.8 28.2#

229 18.9 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: 0.68 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

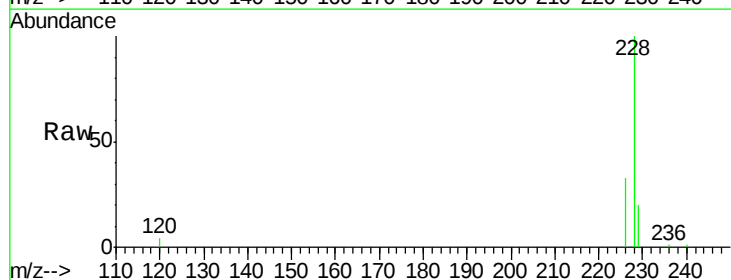
Tgt Ion:228 Resp: 30912

Ion Ratio Lower Upper

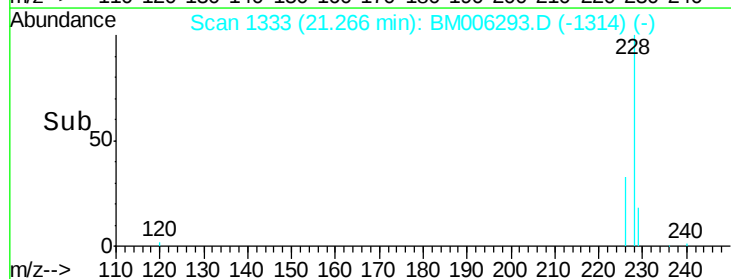
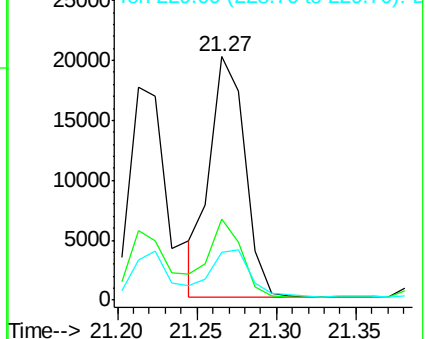
228 100

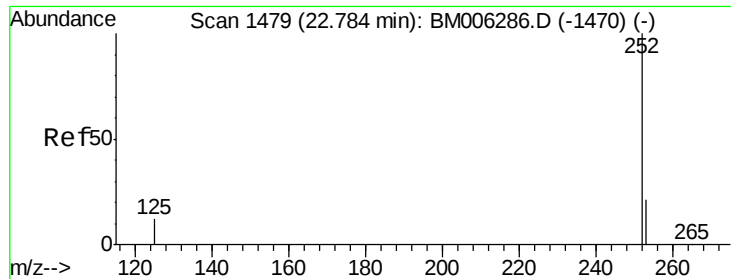
226 33.3 21.2 31.8#

229 19.5 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: 0.01 ng/u1

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

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ClientSampleId :

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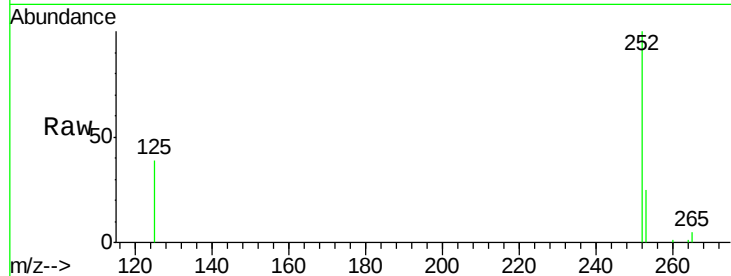
Tgt Ion:252 Resp: 30755

Ion Ratio Lower Upper

252 100

253 24.7 0.0 45.4

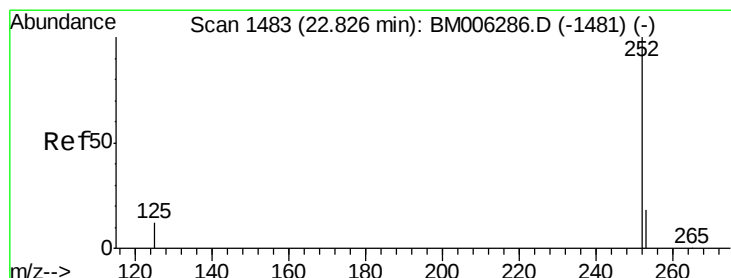
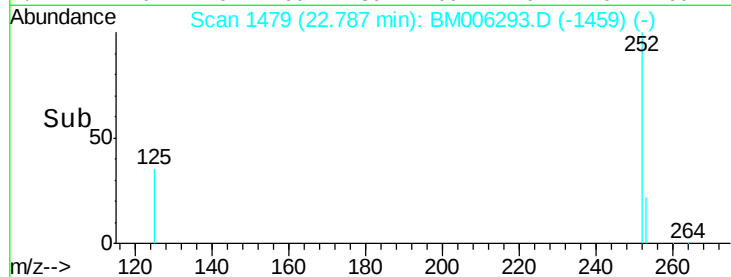
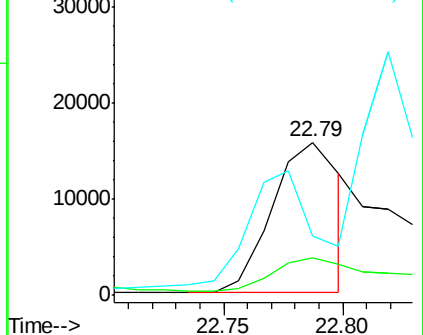
125 38.6 0.0 28.8#



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: 0.02 ng/u1

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

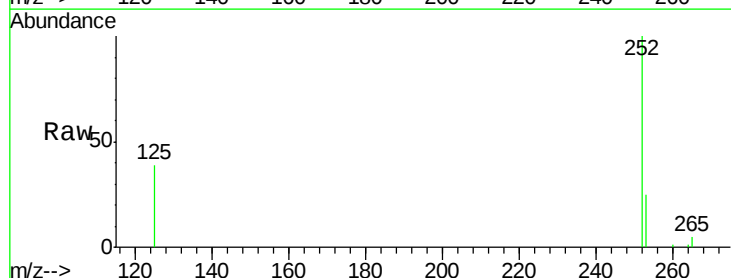
Tgt Ion:252 Resp: 47965

Ion Ratio Lower Upper

252 100

253 24.7 19.8 29.8

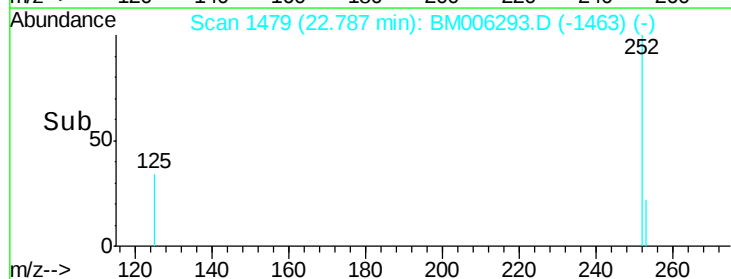
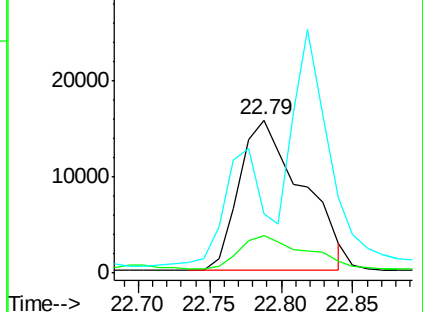
125 38.6 10.4 15.6#

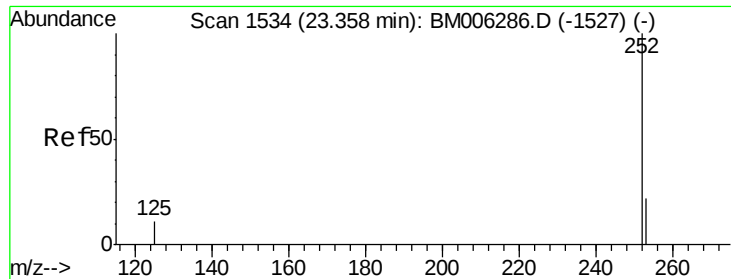


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

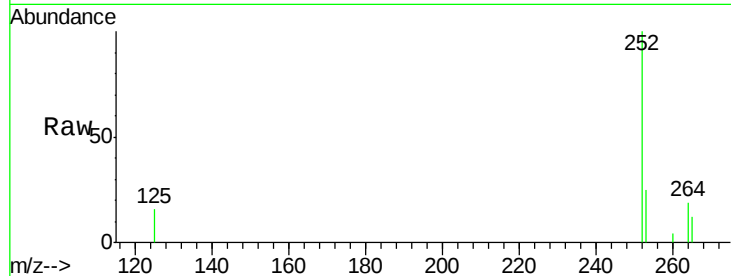
Tgt Ion:252 Resp: 20228

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

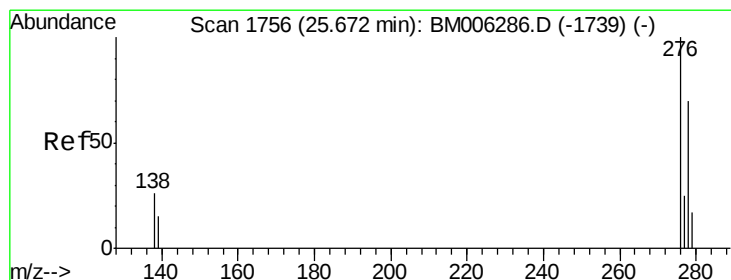
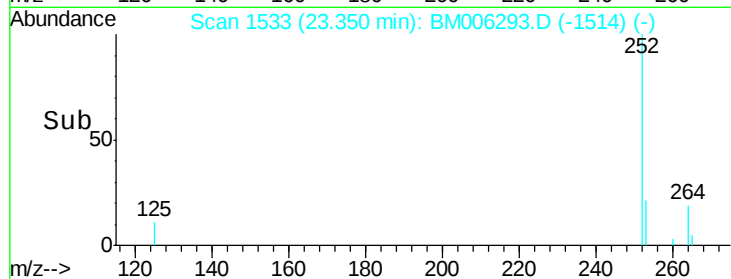
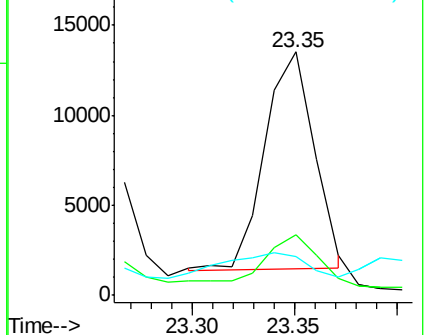
125 15.9 12.7 19.1



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: 25.51 min Scan# 1740

Delta R.T. -0.16 min

Lab File: BM006293.D

Acq: 06 Jul 2016 21:27

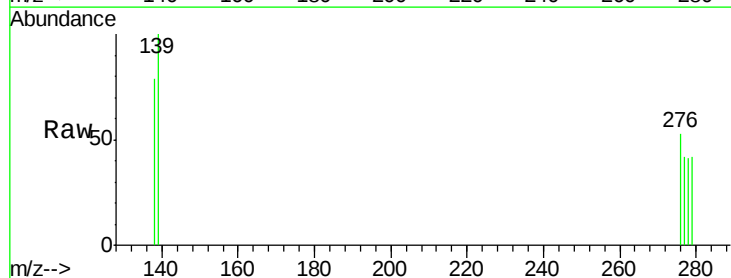
Tgt Ion:276 Resp: 682

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

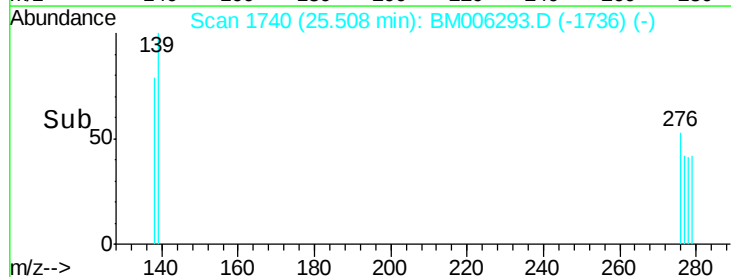
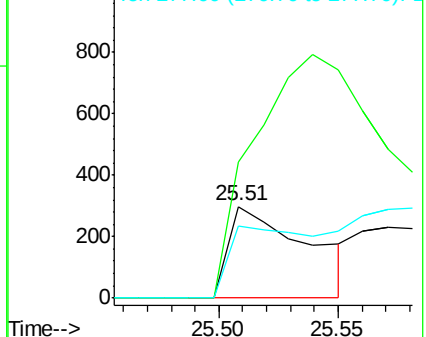
277 80.2 19.8 29.8#

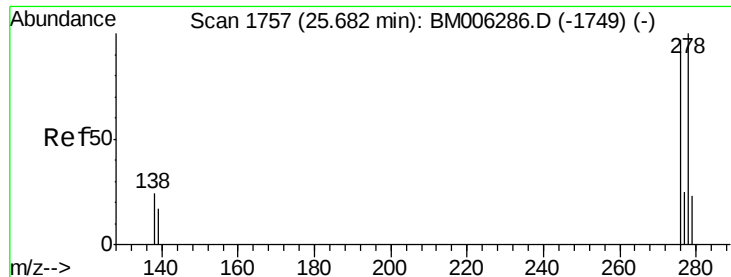


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.53 min Scan# 1742
Delta R.T. -0.15 min
Lab File: BM006293.D
Acq: 06 Jul 2016 21:27

Instrument :
BNA_M
ClientSampleId :
A4TV6MS

Tgt Ion: 278 Resp: 573
Ion Ratio Lower Upper
278 100
139 560.0 16.4 24.6#
279 103.8 20.2 30.2#

