

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006292.D
 Acq On : 06 Jul 2016 20:51
 Operator : UM/SJ
 Sample : H3811-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV6

Quant Time: Jul 07 02:21:03 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	4497	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	17694	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10248	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1037935	0.40	ng/ul	0.10
18) Chrysene-d12	21.35	240	5143	0.40	ng/ul	0.10
22) Perylene-d12	23.45	264	12733	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	7387	3.89	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6114	0.30	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	13337	0.01	ng/ul	-0.01

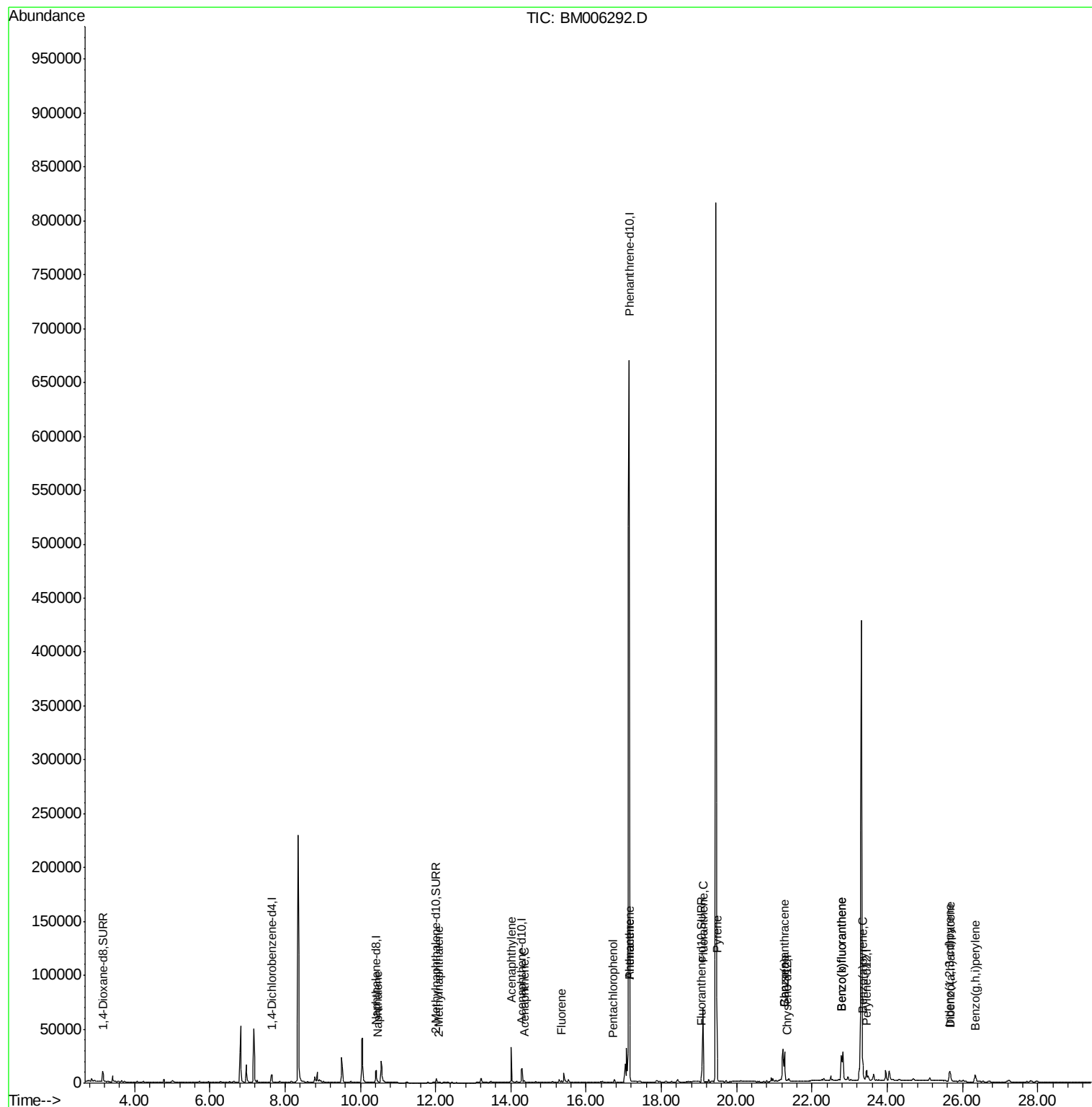
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	1189	0.03	ng/ul#	77
7) 2-Methylnaphthalene	12.09	142	629	0.02	ng/ul	99
9) Acenaphthylene	14.01	152	2825	0.08	ng/ul#	94
10) Acenaphthene	14.35	153	962	0.03	ng/ul#	67
11) Fluorene	15.34	166	1292	0.03	ng/ul#	80
13) Pentachlorophenol	16.71	266	32	0.00	ng/ul	92
14) Phenanthrene	17.16	178	5754	0.00	ng/ul#	86
15) Anthracene	17.16	178	5769	0.00	ng/ul#	85
17) Fluoranthene	19.11	202	70868	0.02	ng/ul	94
19) Pyrene	19.47	202	62727	2.91	ng/ul	96
20) Benzo(a)anthracene	21.27	228	27197	1.63	ng/ul#	93
21) Chrysene	21.27	228	27197	1.67	ng/ul	96
23) Benzo(b)fluoranthene	22.78	252	41432	0.91	ng/ul#	67
24) Benzo(k)fluoranthene	22.78	252	41432	0.98	ng/ul#	70
25) Benzo(a)pyrene	23.35	252	21508	0.51	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.66	276	15952	0.34	ng/ul#	82
27) Dibenzo(a,h)anthracene	25.67	278	3408	0.09	ng/ul#	15
28) Benzo(g,h,i)perylene	26.34	276	14129	0.35	ng/ul	96

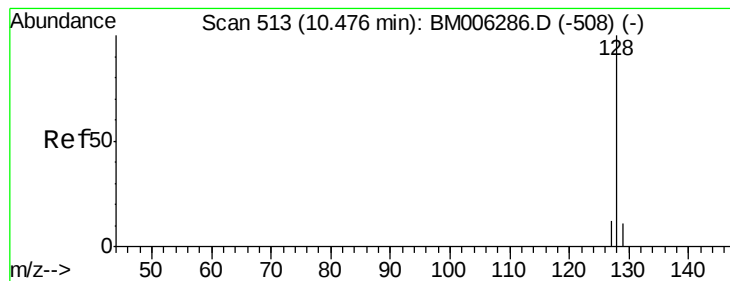
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

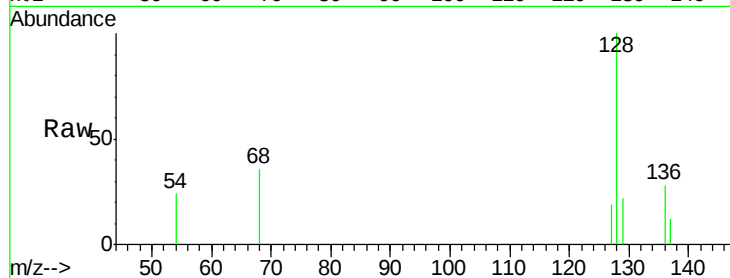
Tgt Ion:128 Resp: 1189

Ion Ratio Lower Upper

128 100

129 21.9 9.0 13.6#

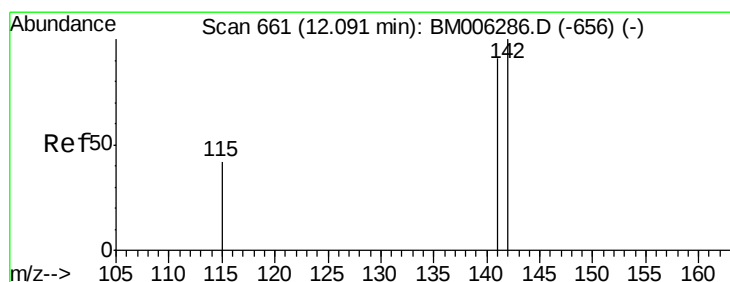
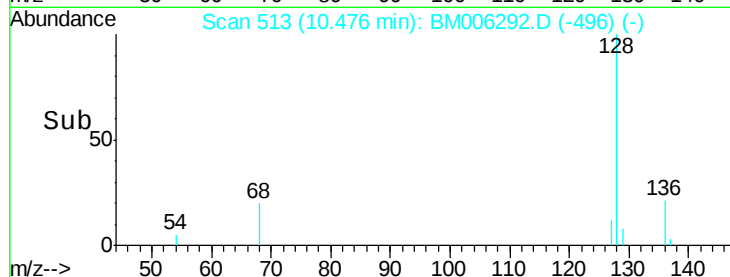
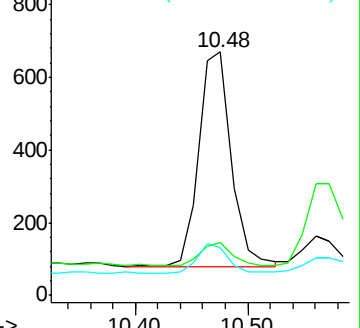
127 19.4 9.6 14.4#



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: BM006292.D

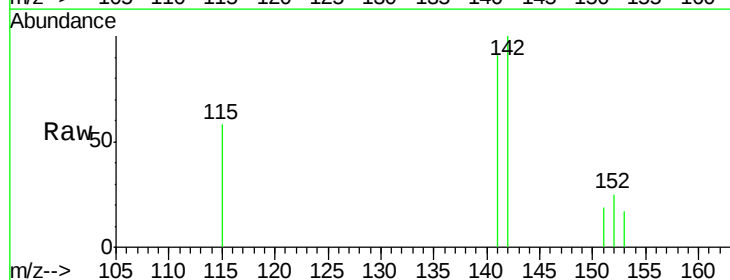
Acq: 06 Jul 2016 20:51

Tgt Ion:142 Resp: 629

Ion Ratio Lower Upper

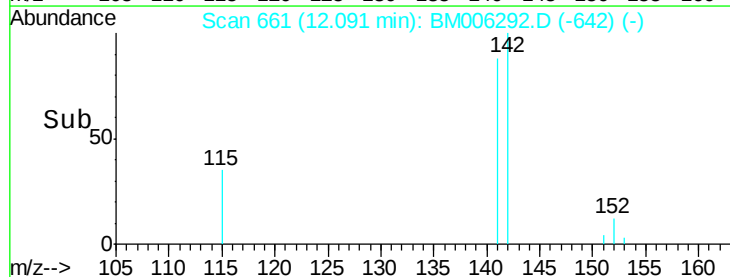
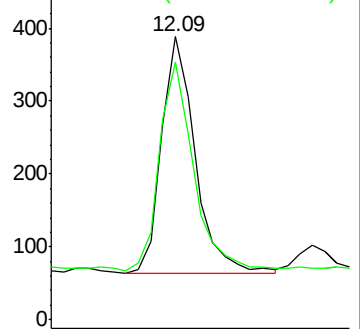
142 100

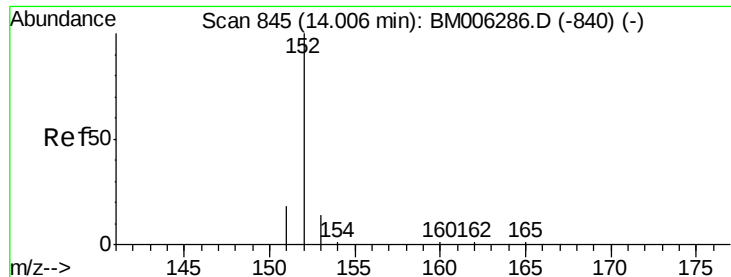
141 89.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

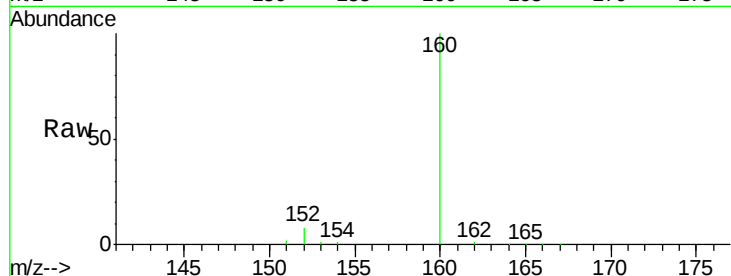
Tgt Ion:152 Resp: 2825

Ion Ratio Lower Upper

152 100

151 20.8 17.6 26.4

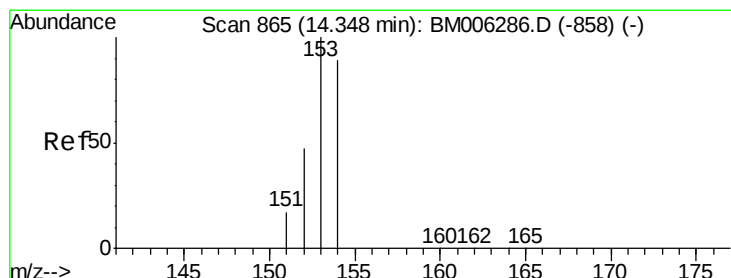
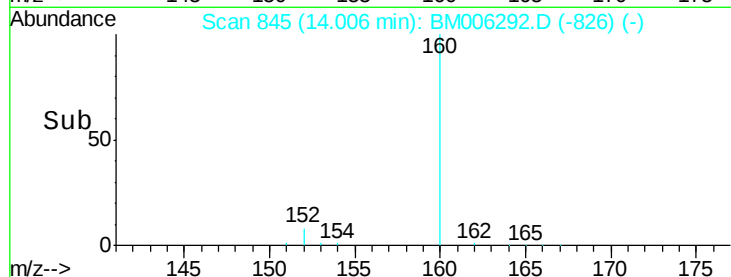
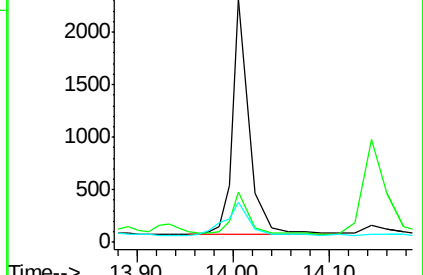
153 16.6 9.7 14.5#



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: 0.03 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

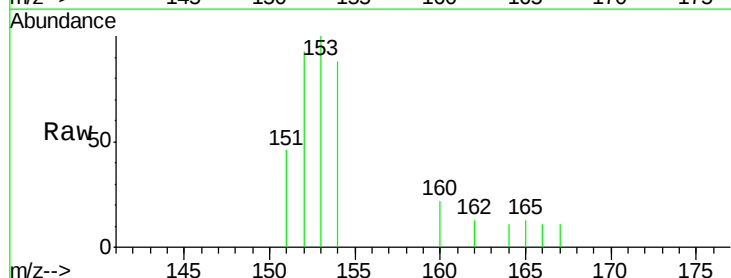
Tgt Ion:153 Resp: 962

Ion Ratio Lower Upper

153 100

152 93.1 33.9 50.9#

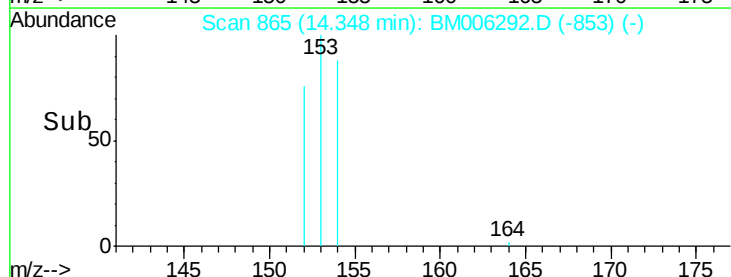
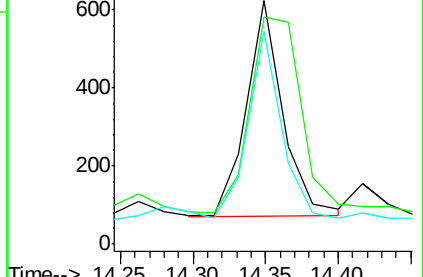
154 87.7 80.6 121.0

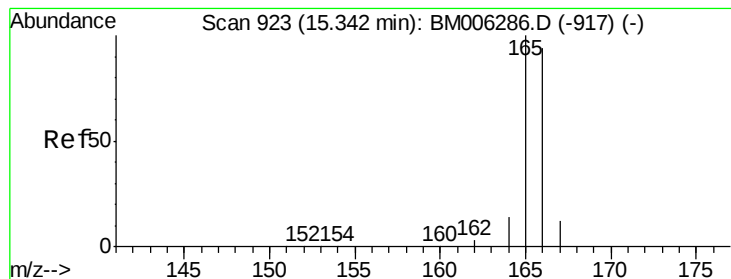


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.03 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

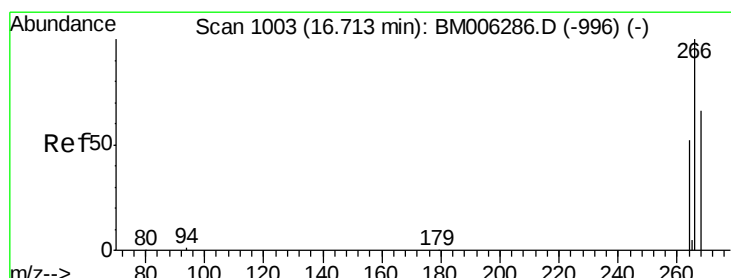
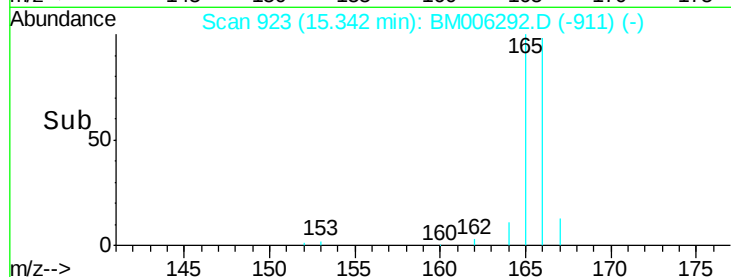
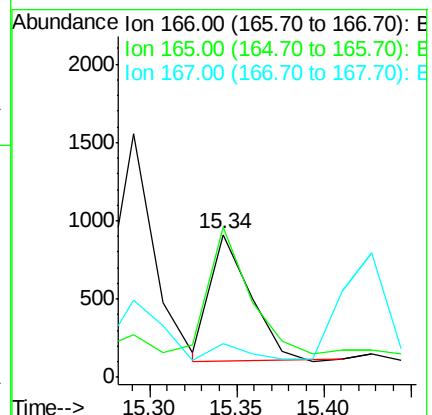
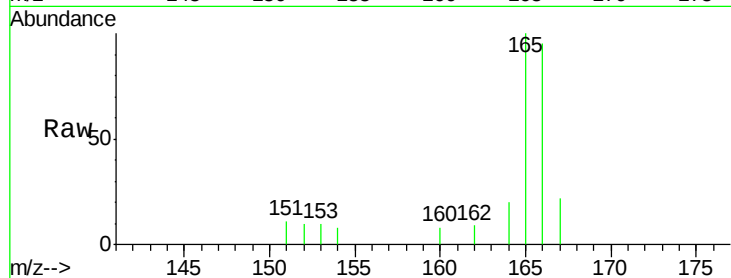
Tgt Ion:166 Resp: 1292

Ion Ratio Lower Upper

166 100

165 105.4 69.6 104.4#

167 23.5 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

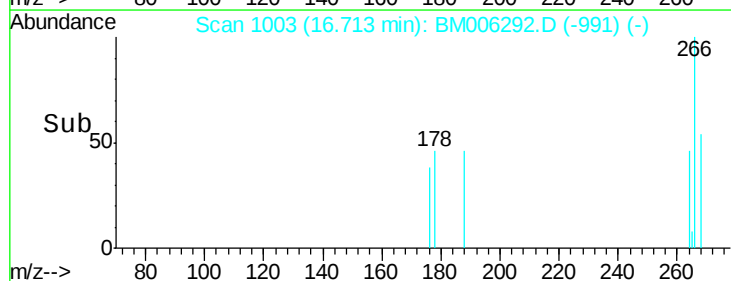
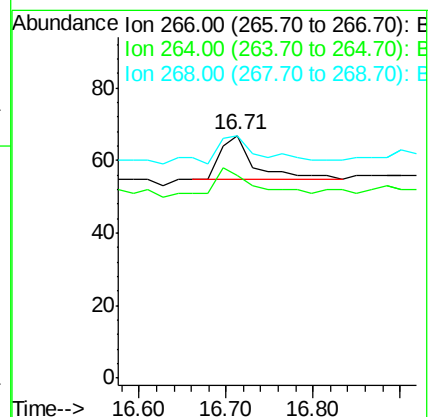
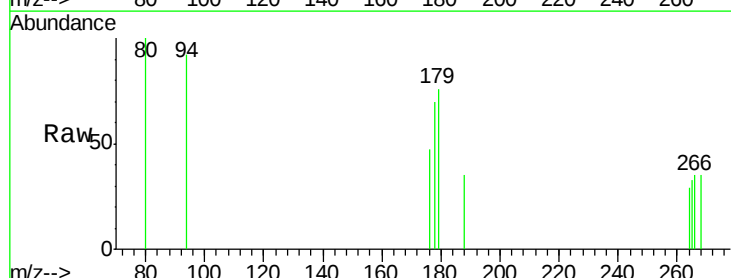
Tgt Ion:266 Resp: 32

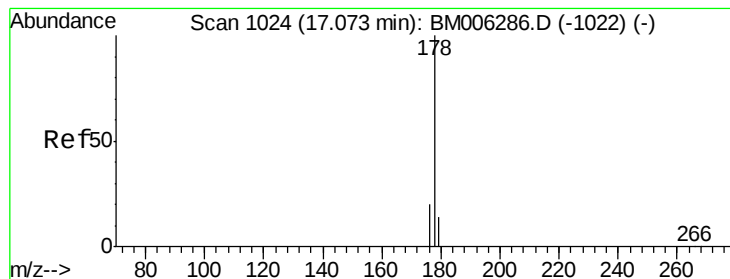
Ion Ratio Lower Upper

266 100

264 53.1 51.8 77.8

268 59.4 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: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

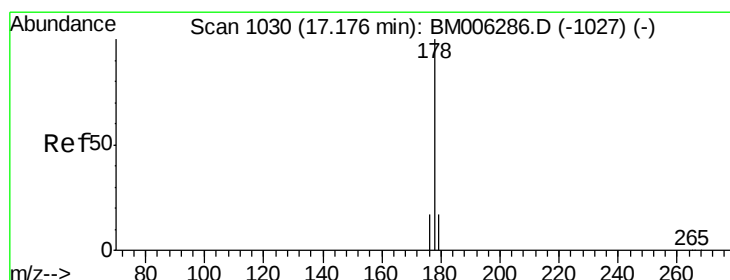
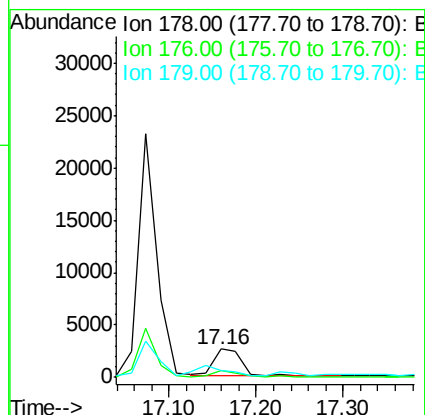
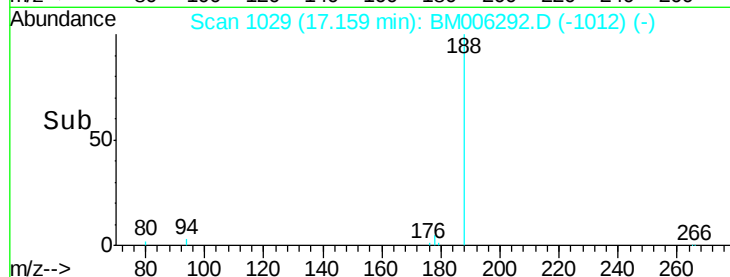
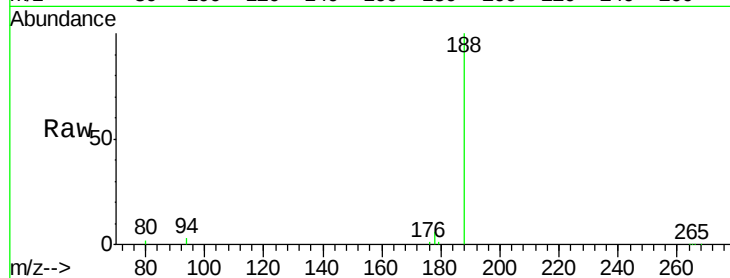
Tgt Ion:178 Resp: 5754

Ion Ratio Lower Upper

178 100

176 24.0 13.0 19.4#

179 22.5 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: BM006292.D

Acq: 06 Jul 2016 20:51

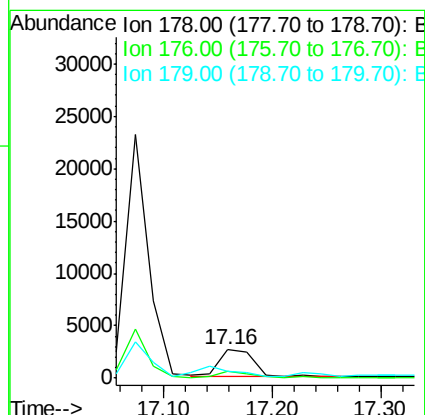
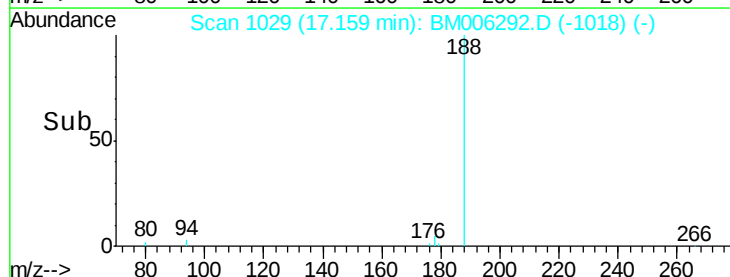
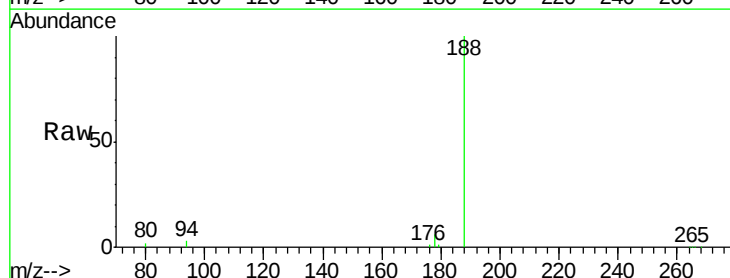
Tgt Ion:178 Resp: 5769

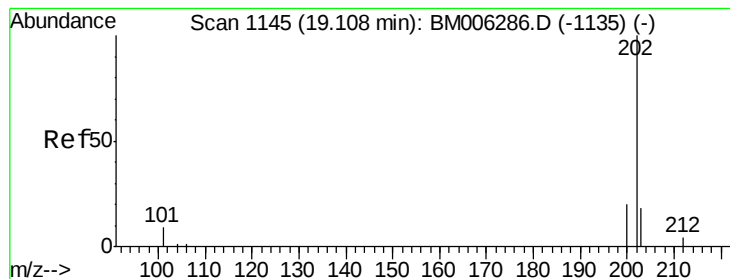
Ion Ratio Lower Upper

178 100

176 24.0 14.0 21.0#

179 22.5 12.9 19.3#





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

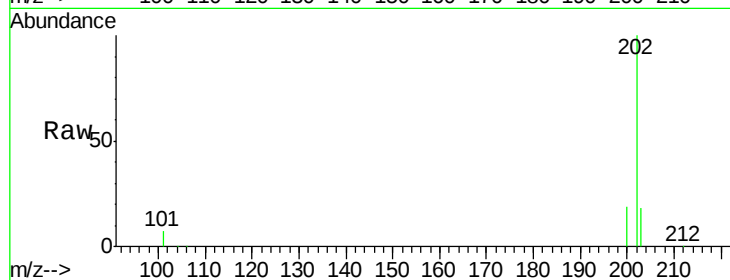
Tgt Ion:202 Resp: 70868

Ion Ratio Lower Upper

202 100

101 6.8 0.0 29.6

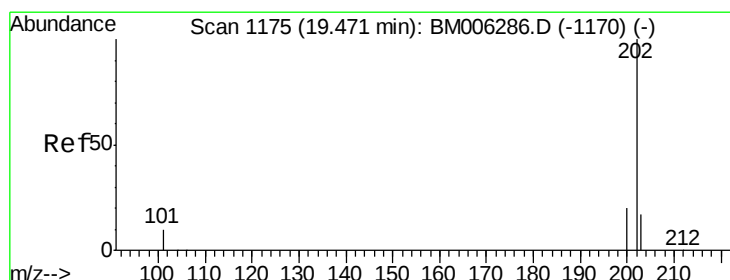
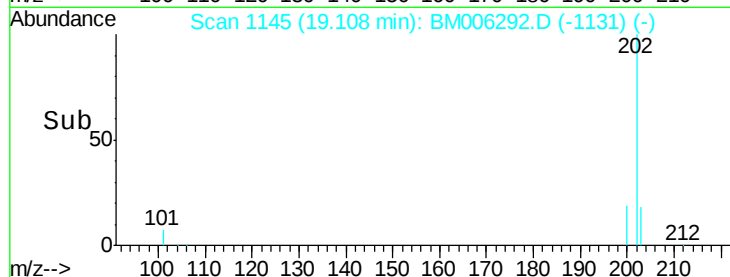
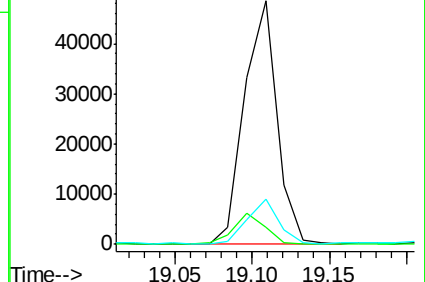
203 18.4 0.0 36.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 2.91 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

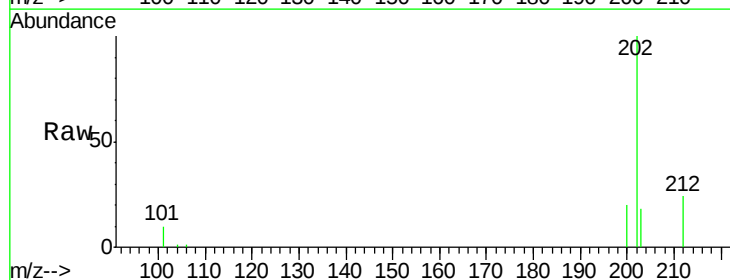
Tgt Ion:202 Resp: 62727

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.8

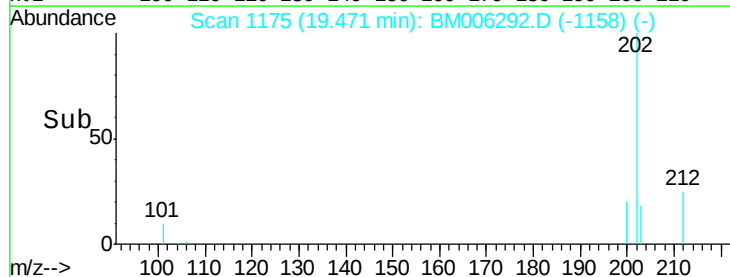
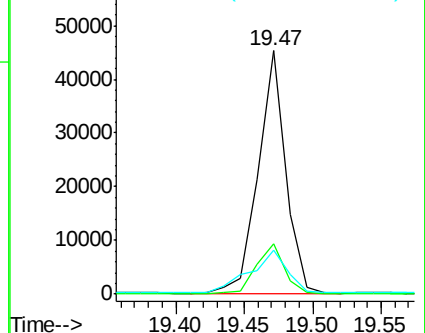
203 18.0 12.8 19.2

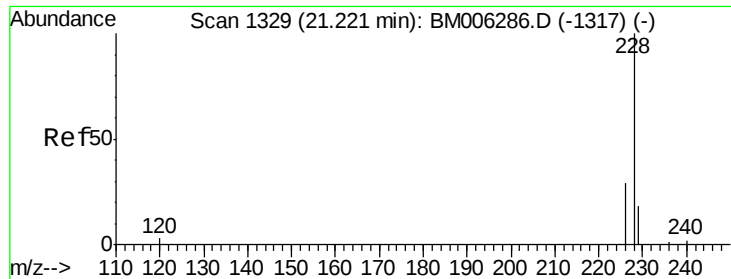


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.63 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.05 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

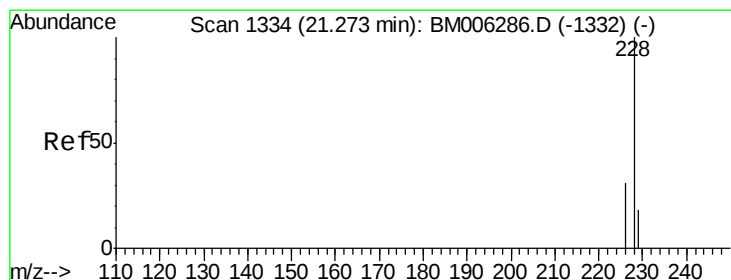
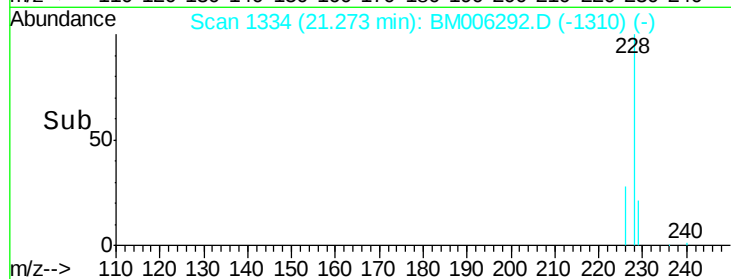
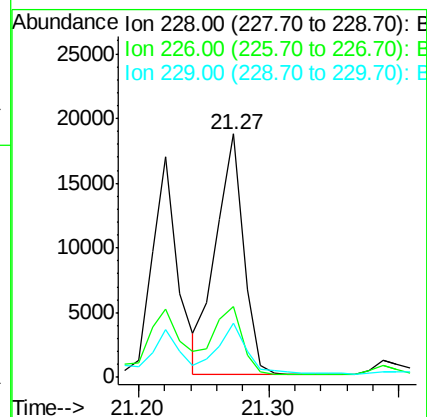
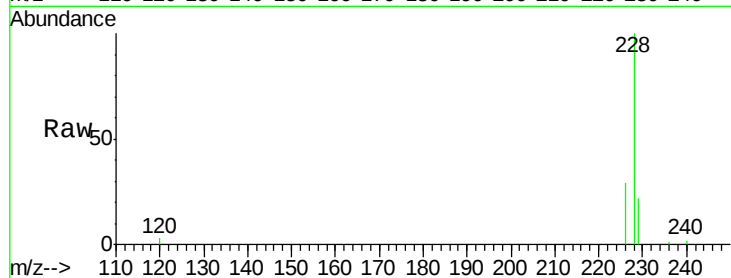
Tgt Ion:228 Resp: 27197

Ion Ratio Lower Upper

228 100

226 29.3 18.8 28.2#

229 22.1 17.1 25.7



#21

Chrysene

Concen: 1.67 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

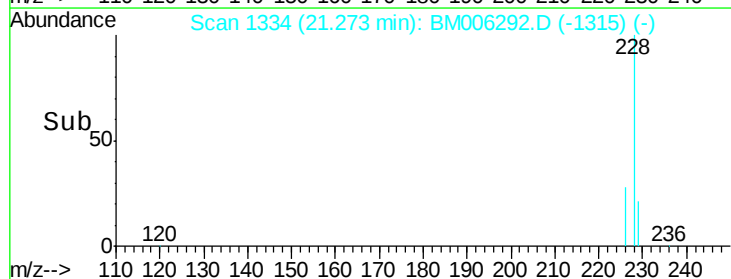
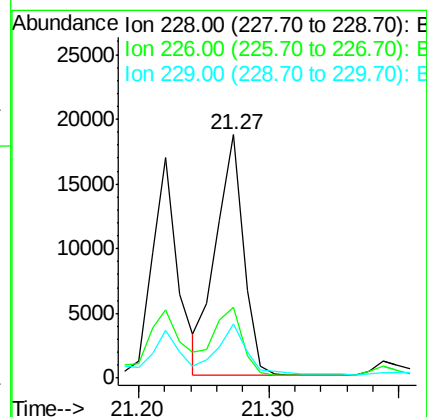
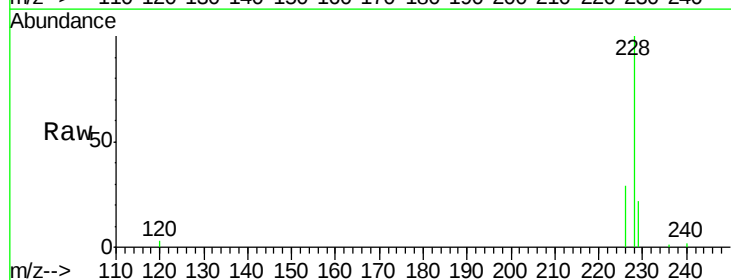
Tgt Ion:228 Resp: 27197

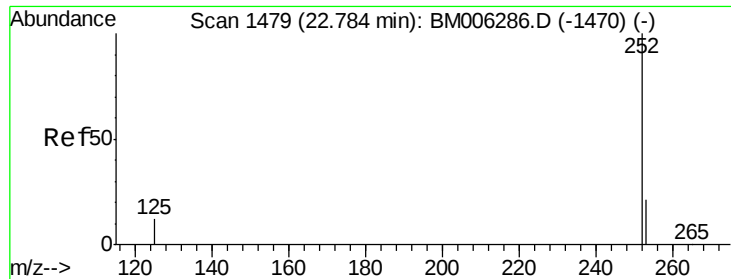
Ion Ratio Lower Upper

228 100

226 29.3 21.2 31.8

229 22.1 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.91 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

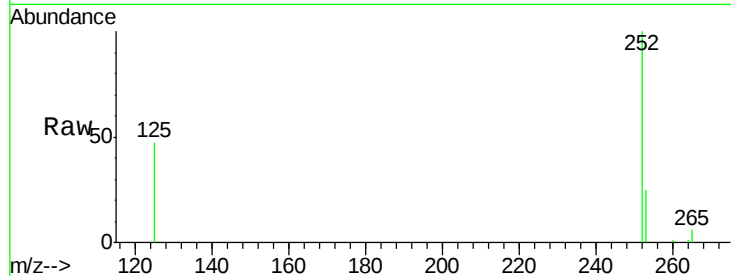
Tgt Ion:252 Resp: 41432

Ion Ratio Lower Upper

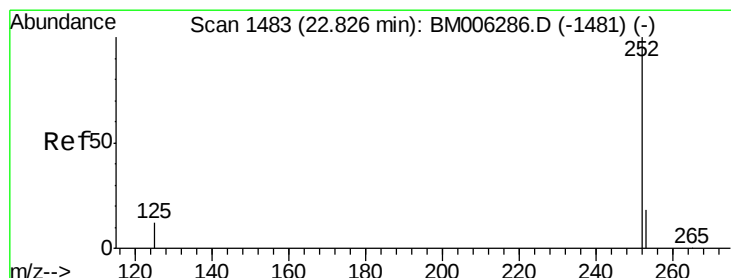
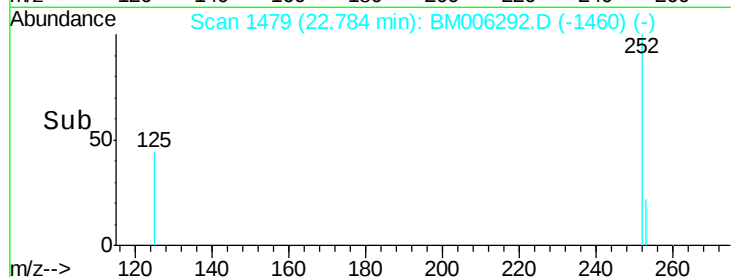
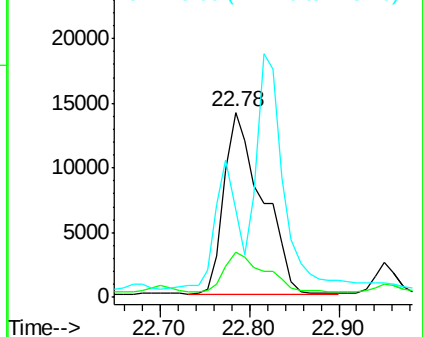
252 100

253 24.6 0.0 45.4

125 47.0 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: 0.98 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

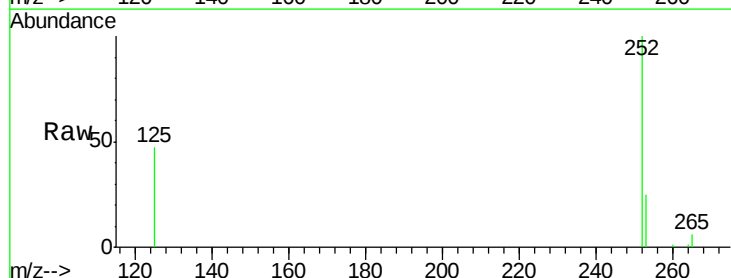
Tgt Ion:252 Resp: 41432

Ion Ratio Lower Upper

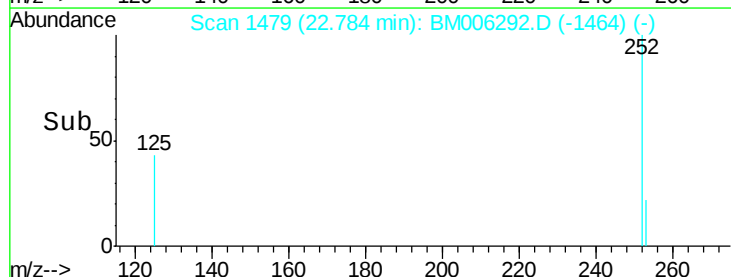
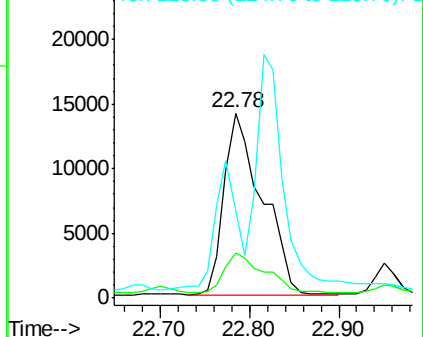
252 100

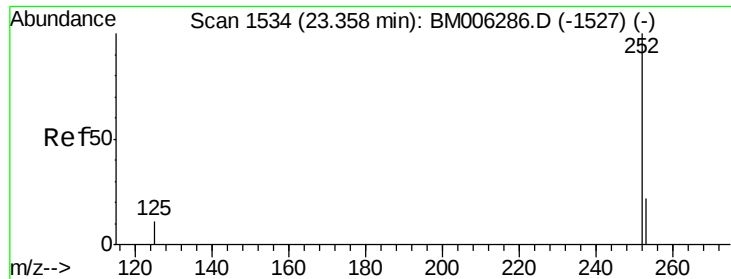
253 24.6 19.8 29.8

125 47.0 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: 0.51 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

Instrument :

BNA_M

ClientSampleId :

A4TV6

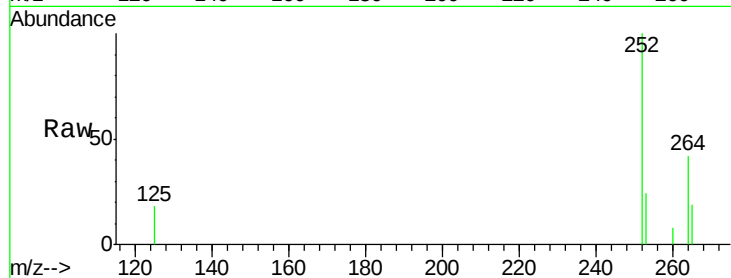
Tgt Ion:252 Resp: 21508

Ion Ratio Lower Upper

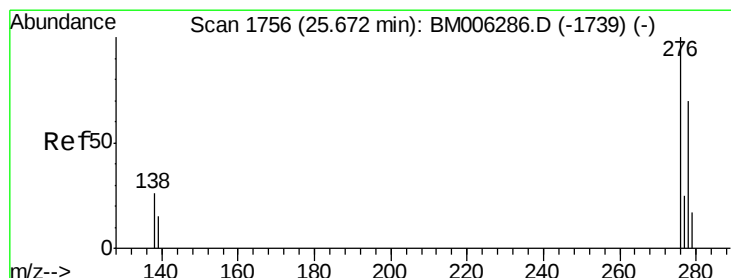
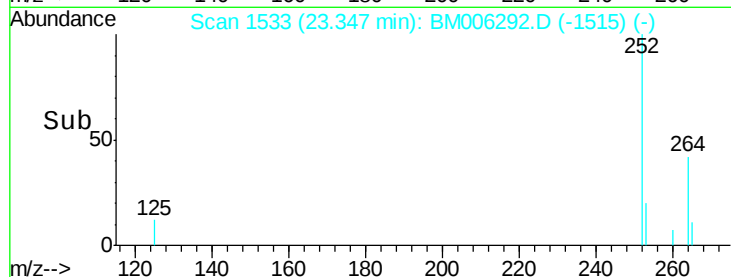
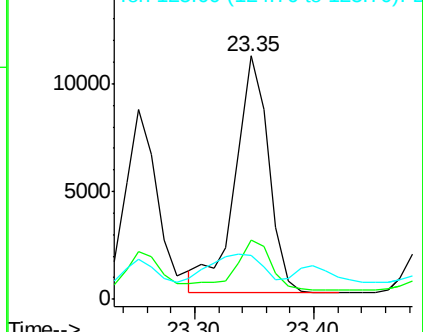
252 100

253 24.3 19.4 29.2

125 17.9 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: 0.34 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006292.D

Acq: 06 Jul 2016 20:51

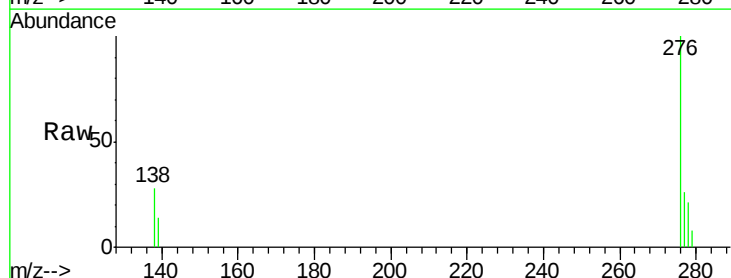
Tgt Ion:276 Resp: 15952

Ion Ratio Lower Upper

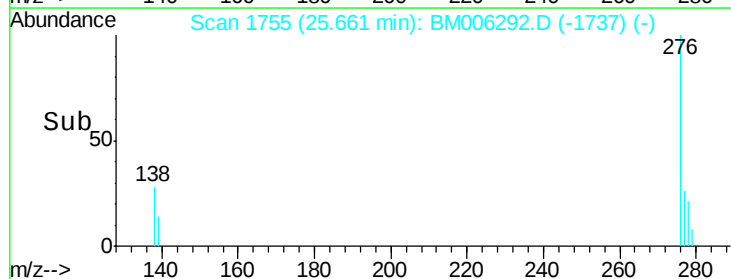
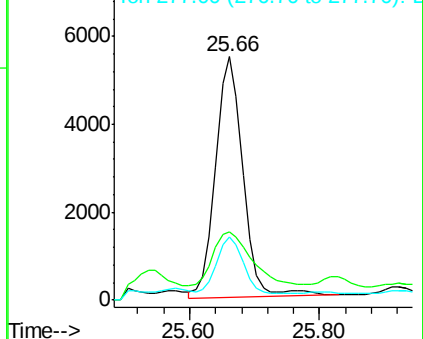
276 100

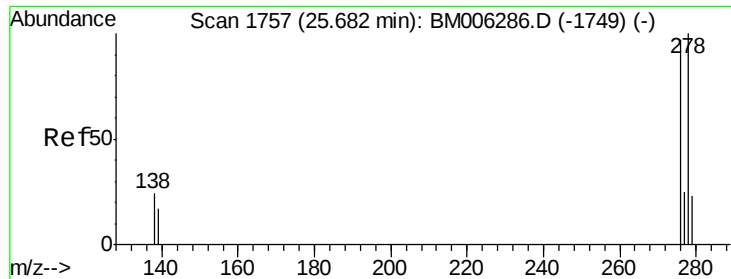
138 37.2 16.3 24.5#

277 26.0 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

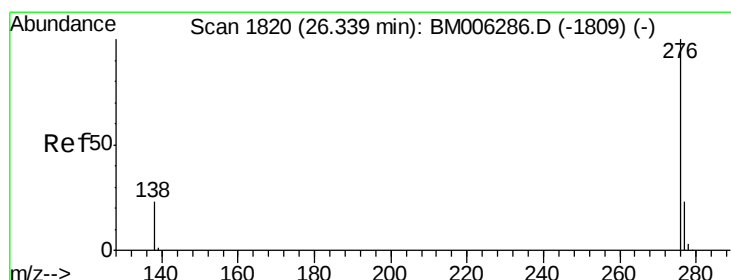
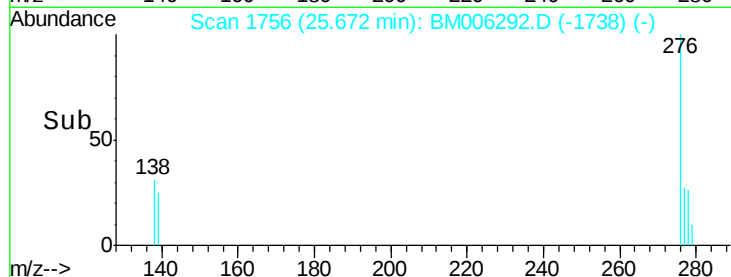
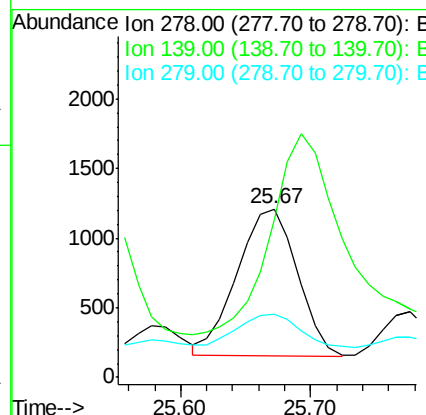
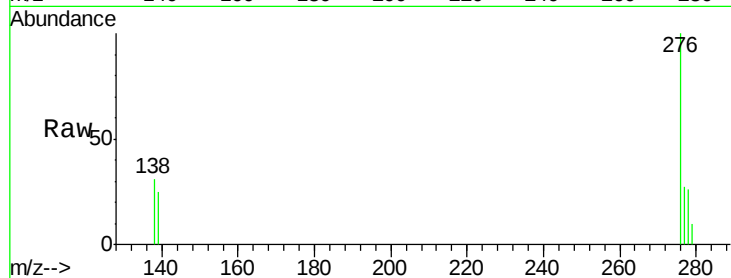




#27
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.67 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BM006292.D
Acq: 06 Jul 2016 20:51

Instrument :
BNA_M
ClientSampleId :
A4TV6

Tgt Ion: 278 Resp: 3408
Ion Ratio Lower Upper
278 100
139 94.1 16.4 24.6#
279 37.7 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.35 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM006292.D
Acq: 06 Jul 2016 20:51

Tgt Ion: 276 Resp: 14129
Ion Ratio Lower Upper
276 100
277 26.0 18.9 28.3
138 26.3 22.5 33.7

