

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006297.D
 Acq On : 06 Jul 2016 23:52
 Operator : UM/SJ
 Sample : H3811-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV9

Quant Time: Jul 07 02:21:53 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	4991	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19978	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11657	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1218551	0.40	ng/ul	0.10
18) Chrysene-d12	21.23	240	15990	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	652737	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	9190	4.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7704	0.33	ng/ul	-0.01
16) Fluoranthene-d10	19.08	212	16232	0.01	ng/ul	0.00

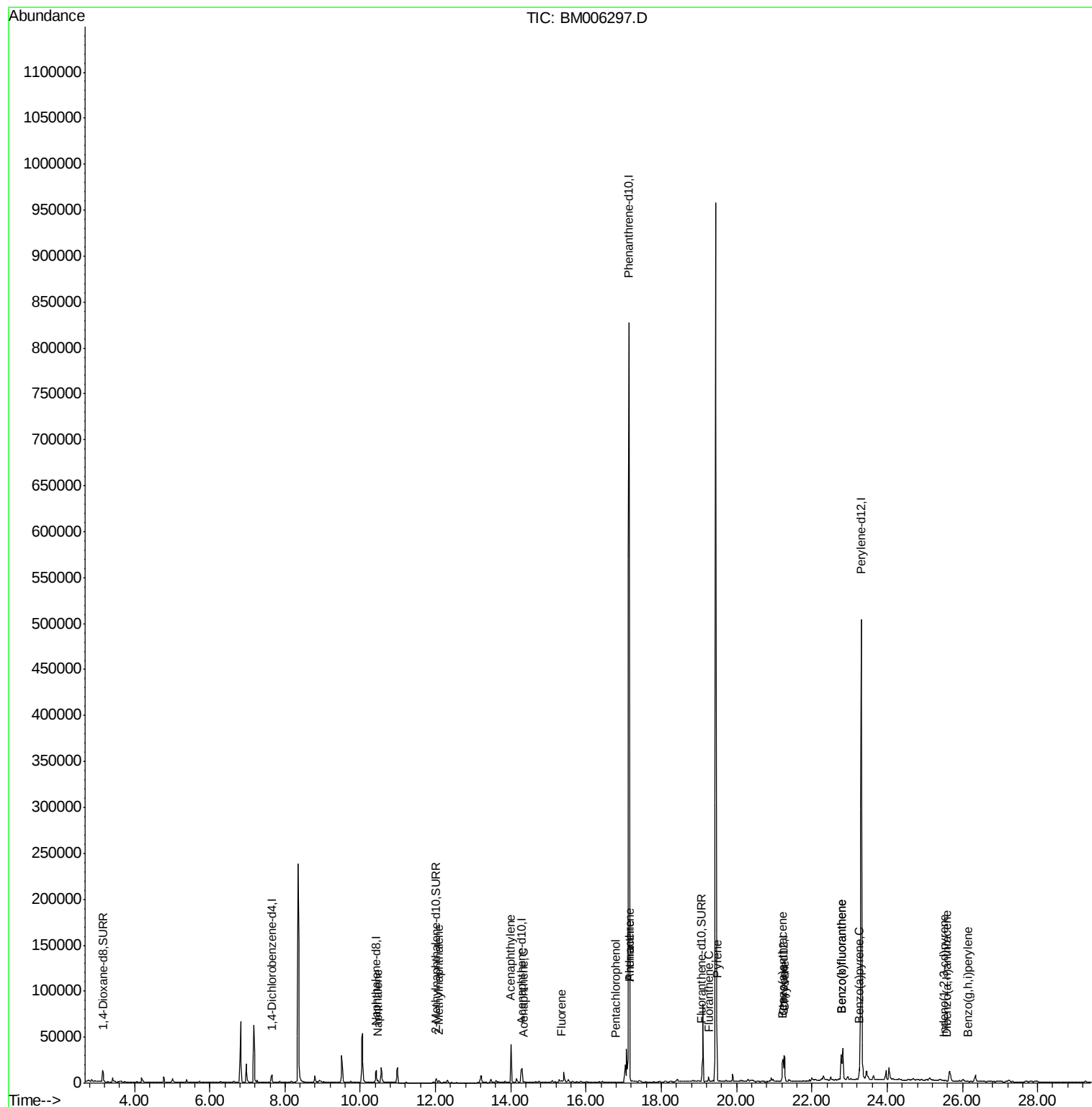
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	2706	0.06	ng/ul#	88
7) 2-Methylnaphthalene	12.09	142	2422	0.08	ng/ul	100
9) Acenaphthylene	14.01	152	5126	0.13	ng/ul#	93
10) Acenaphthene	14.35	153	745	0.02	ng/ul#	84
11) Fluorene	15.34	166	1571	0.04	ng/ul#	73
13) Pentachlorophenol	16.80	266	6	0.00	ng/ul#	53
14) Phenanthrene	17.16	178	4387	0.00	ng/ul#	78
15) Anthracene	17.16	178	4279	0.00	ng/ul#	78
17) Fluoranthene	19.26	202	4461	0.00	ng/ul	80
19) Pyrene	19.48	202	72083	1.08	ng/ul#	90
20) Benzo(a)anthracene	21.21	228	20403	0.39	ng/ul#	89
21) Chrysene	21.27	228	32842	0.65	ng/ul#	90
23) Benzo(b)fluoranthene	22.79	252	26822	0.01	ng/ul#	60
24) Benzo(k)fluoranthene	22.79	252	42464	0.02	ng/ul#	65
25) Benzo(a)pyrene	23.26	252	18269	0.01	ng/ul#	88
26) Indeno(1,2,3-cd)pyrene	25.51	276	671	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.58	278	1900	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.15	276	188	0.00	ng/ul#	1

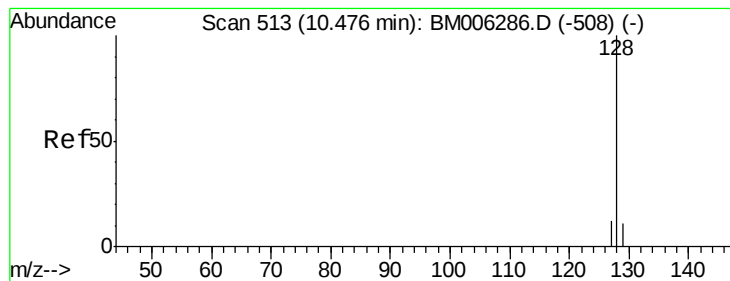
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.06 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

Instrument :

BNA_M

ClientSampleId :

A4TV9

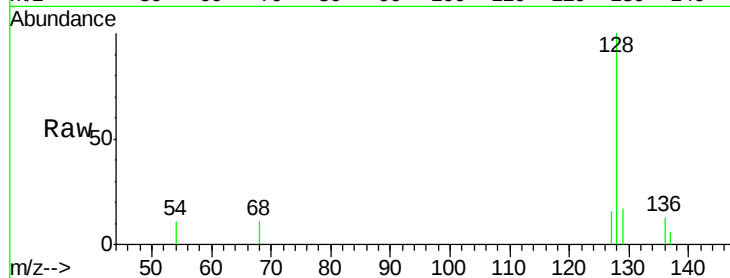
Tgt Ion:128 Resp: 2706

Ion Ratio Lower Upper

128 100

129 16.7 9.0 13.6#

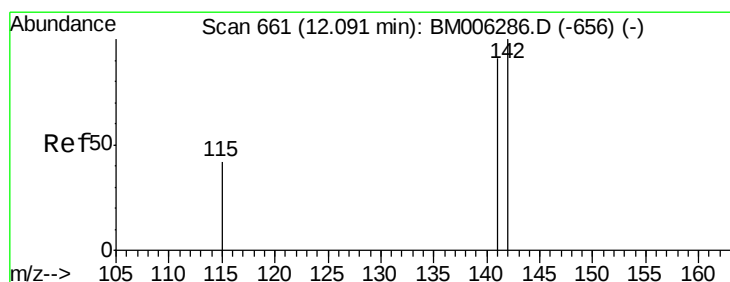
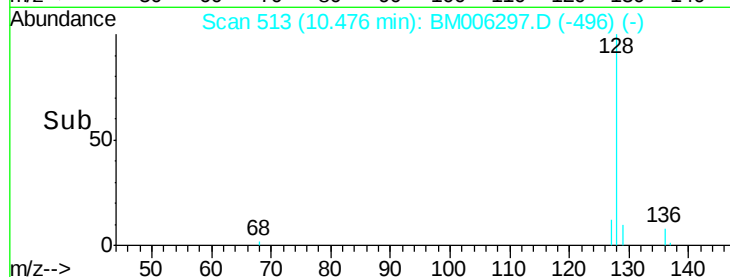
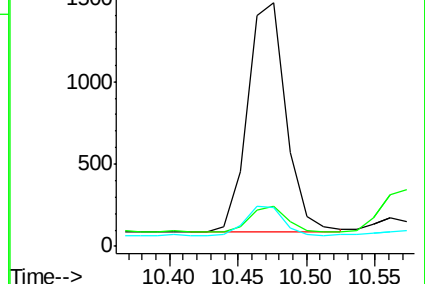
127 15.8 9.6 14.4#



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: 0.08 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006297.D

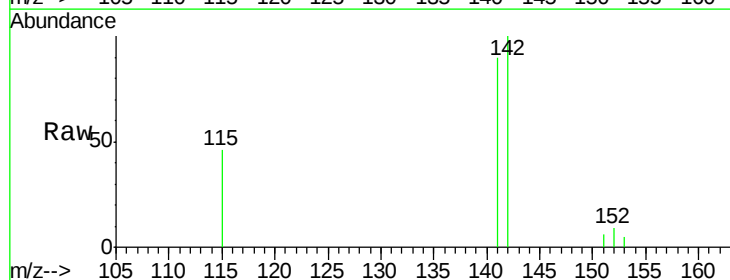
Acq: 06 Jul 2016 23:52

Tgt Ion:142 Resp: 2422

Ion Ratio Lower Upper

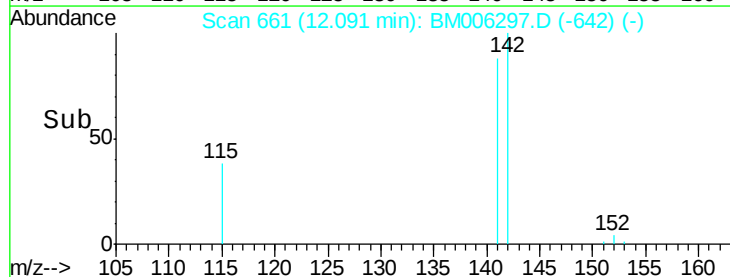
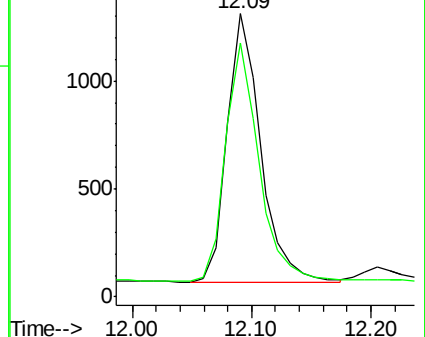
142 100

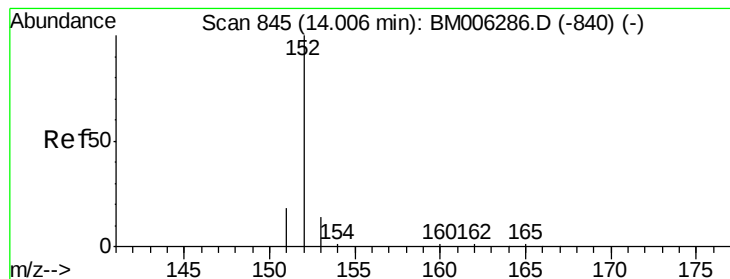
141 88.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

Instrument :

BNA_M

ClientSampleId :

A4TV9

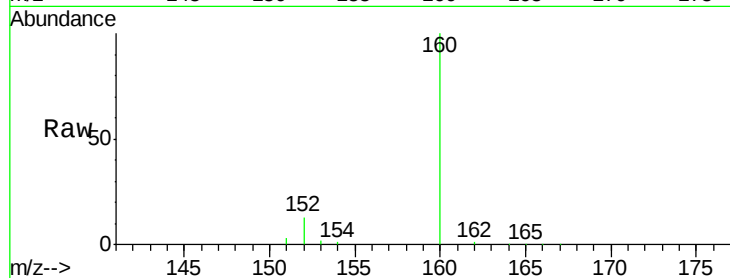
Tgt Ion:152 Resp: 5126

Ion Ratio Lower Upper

152 100

151 20.0 17.6 26.4

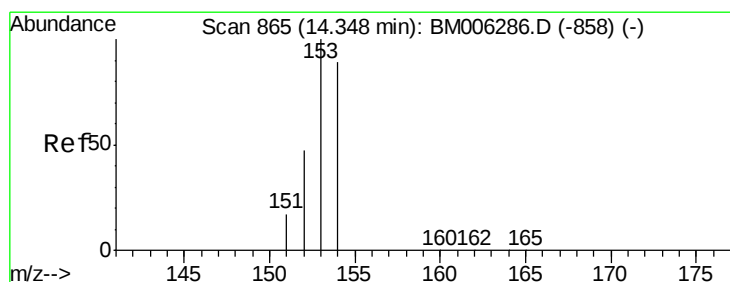
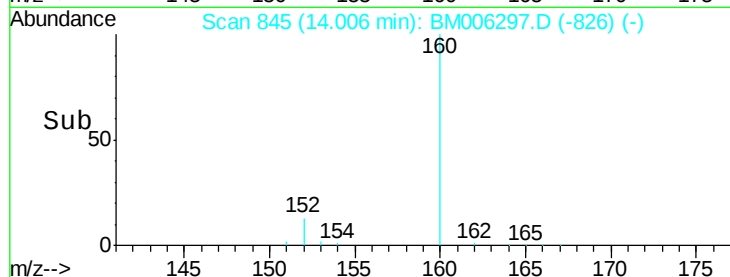
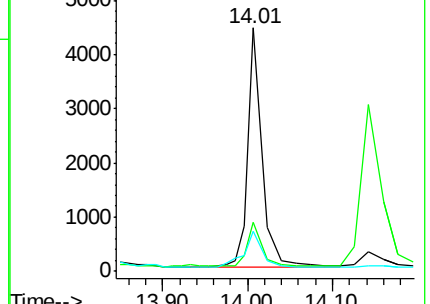
153 16.3 9.7 14.5#



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: 0.02 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

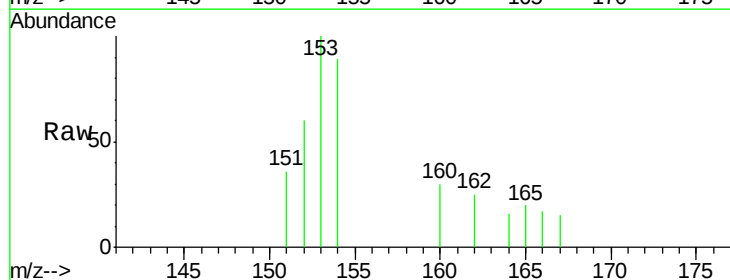
Tgt Ion:153 Resp: 745

Ion Ratio Lower Upper

153 100

152 59.6 33.9 50.9#

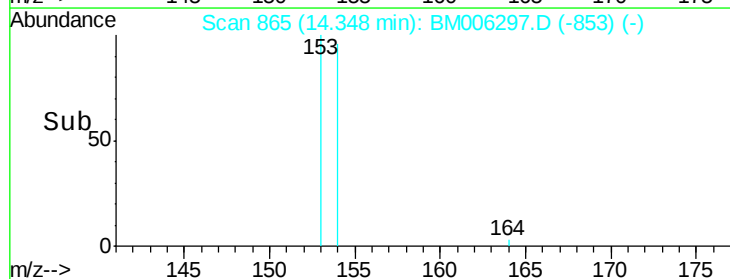
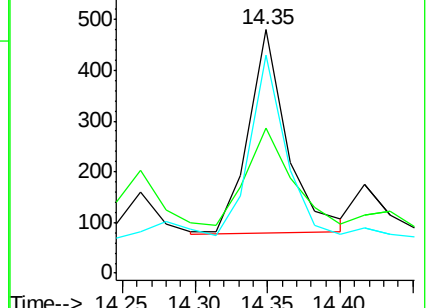
154 89.4 80.6 121.0

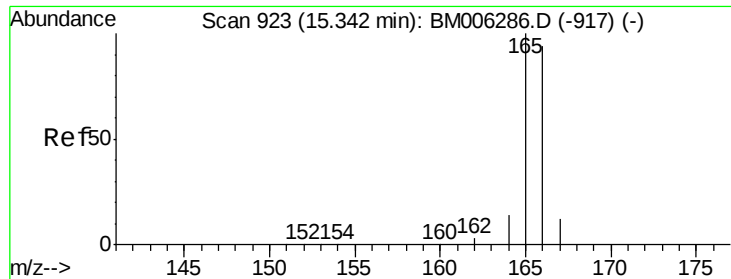


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

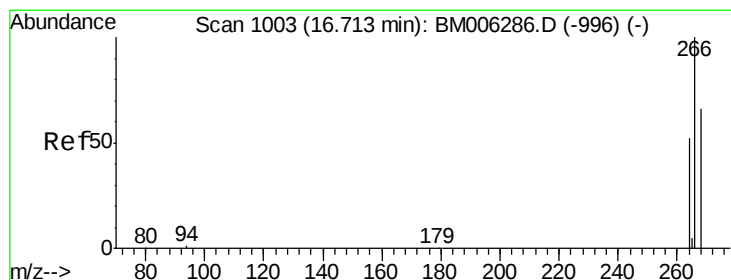
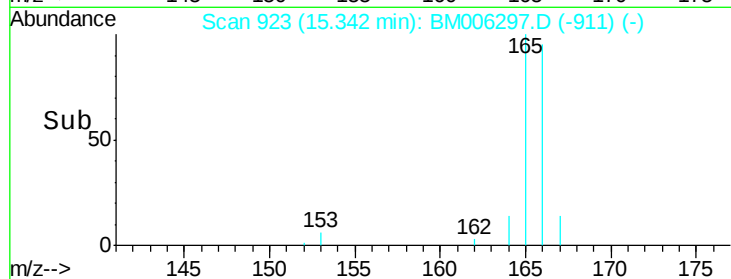
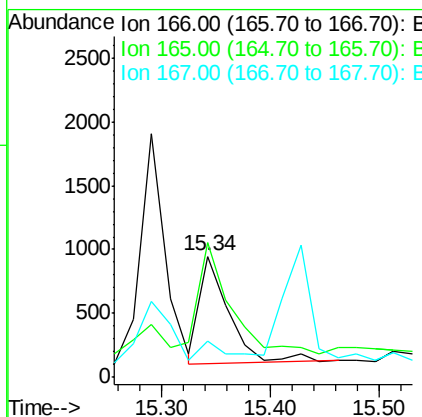
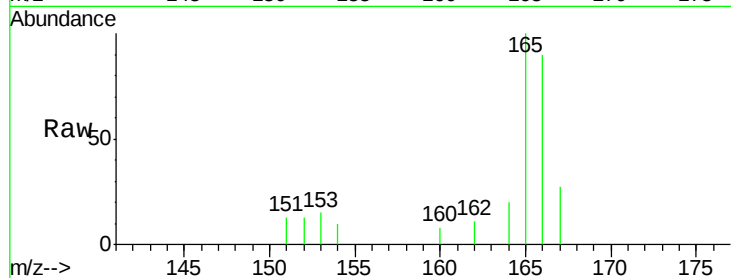




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BM006297.D
 Acq: 06 Jul 2016 23:52

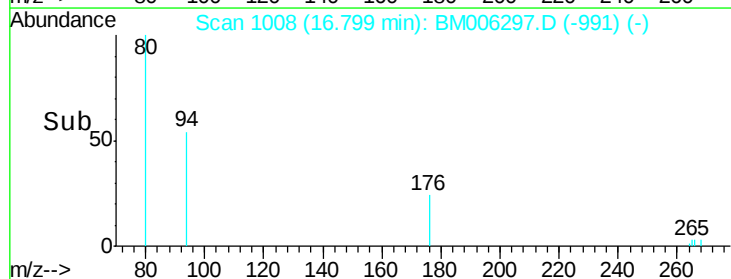
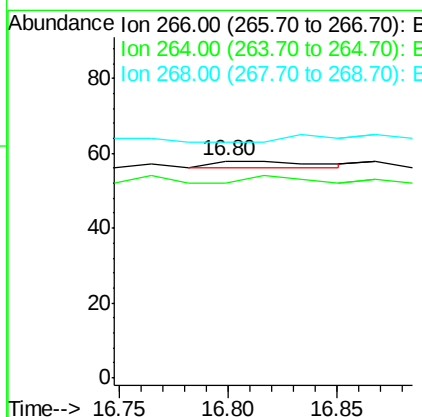
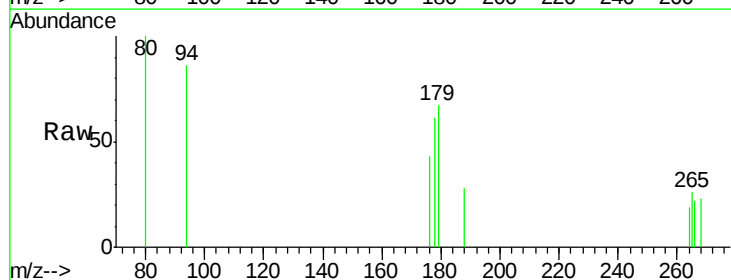
Instrument :
 BNA_M
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 A4TV9

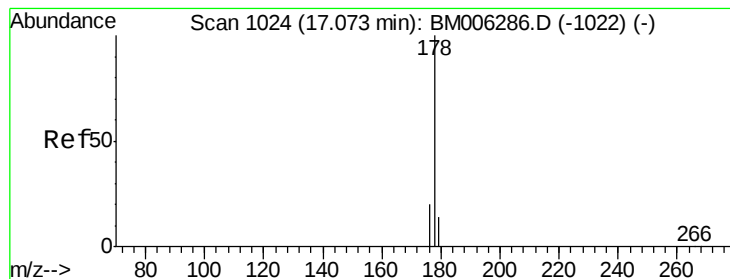
Tgt Ion:166 Resp: 1571
 Ion Ratio Lower Upper
 166 100
 165 110.6 69.6 104.4#
 167 29.5 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.80 min Scan# 1008
 Delta R.T. 0.09 min
 Lab File: BM006297.D
 Acq: 06 Jul 2016 23:52

Tgt Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 50.0 51.8 77.8#
 268 0.0 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: BM006297.D

Acq: 06 Jul 2016 23:52

Instrument :

BNA_M

ClientSampleId :

A4TV9

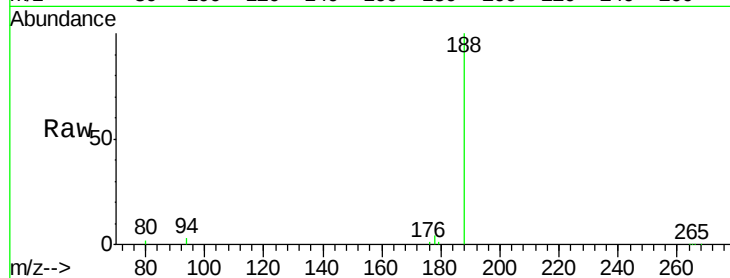
Tgt Ion:178 Resp: 4387

Ion Ratio Lower Upper

178 100

176 25.4 13.0 19.4#

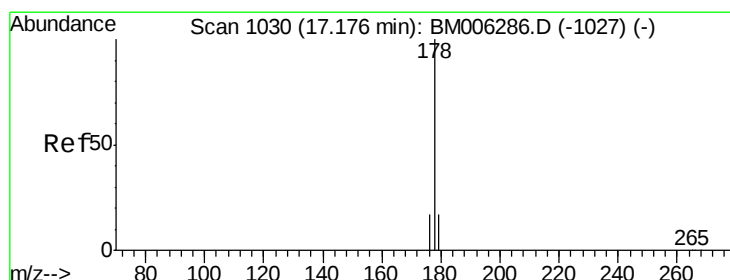
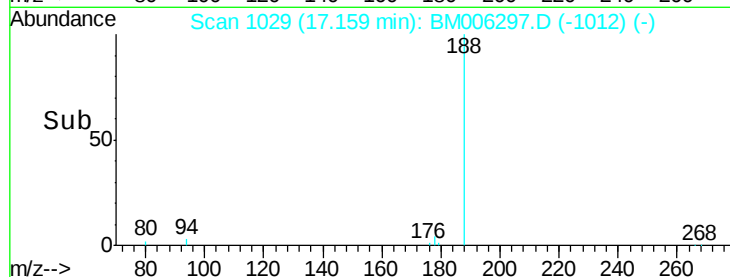
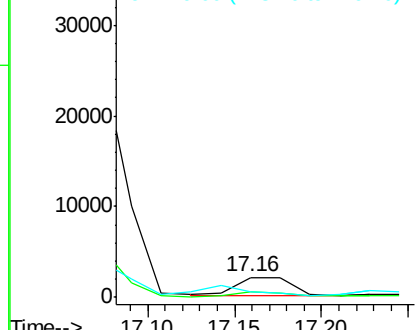
179 27.5 14.2 21.2#



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: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

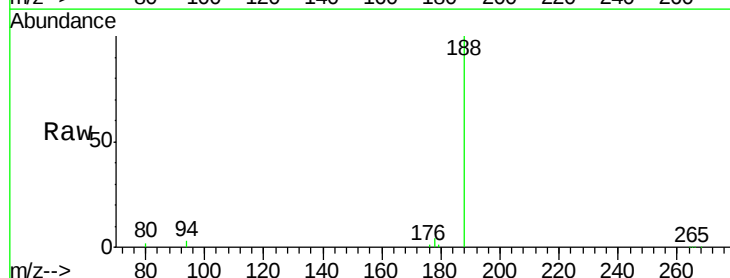
Tgt Ion:178 Resp: 4279

Ion Ratio Lower Upper

178 100

176 25.4 14.0 21.0#

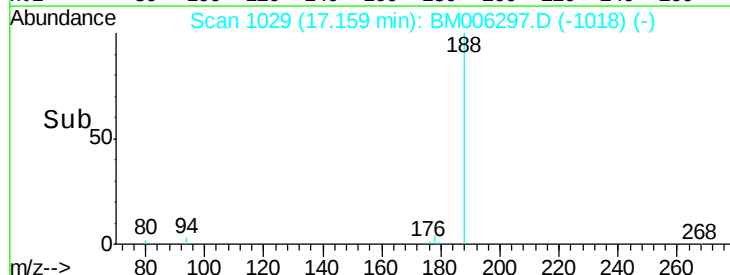
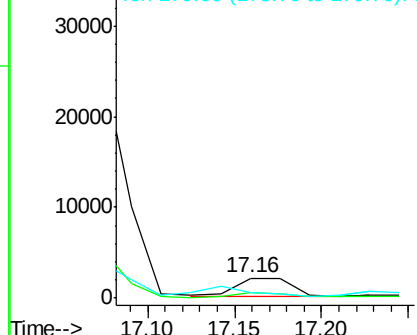
179 27.5 12.9 19.3#

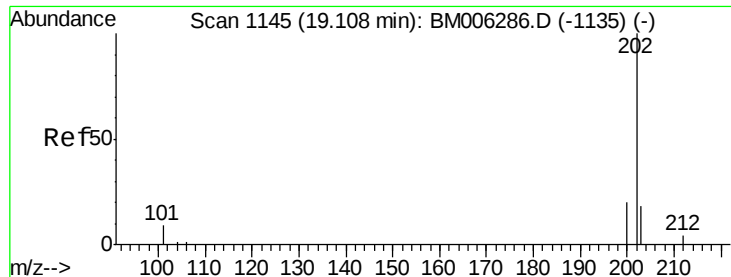


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

Instrument :

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ClientSampleId :

A4TV9

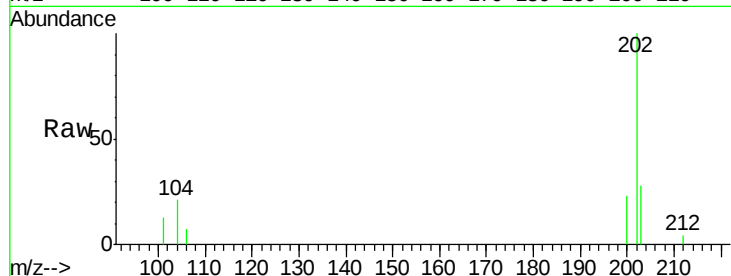
Tgt Ion:202 Resp: 4461

Ion Ratio Lower Upper

202 100

101 12.6 0.0 29.6

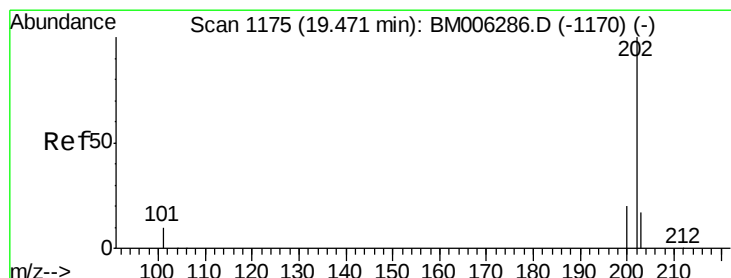
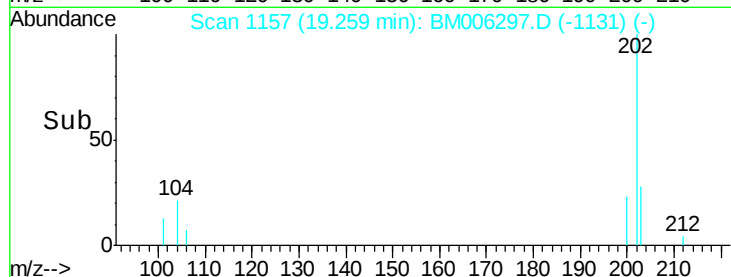
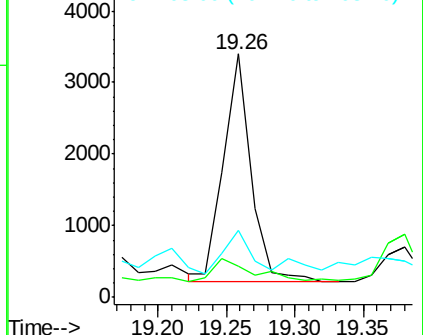
203 27.7 0.0 36.3



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: 1.08 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

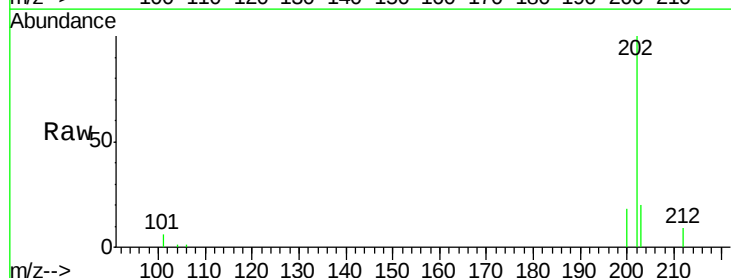
Tgt Ion:202 Resp: 72083

Ion Ratio Lower Upper

202 100

200 17.8 17.8 26.8#

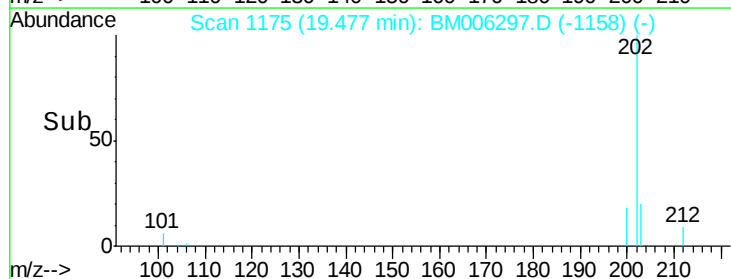
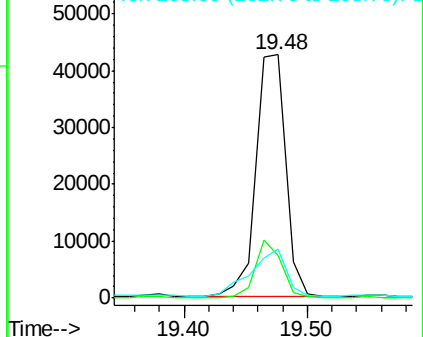
203 20.2 12.8 19.2#

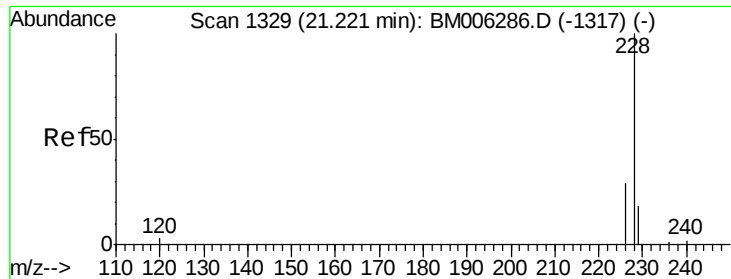


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.39 ng/u1

RT: 21.21 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

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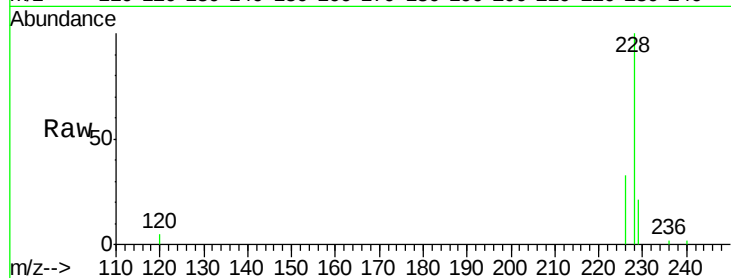
Tgt Ion:228 Resp: 20403

Ion Ratio Lower Upper

228 100

226 33.4 18.8 28.2#

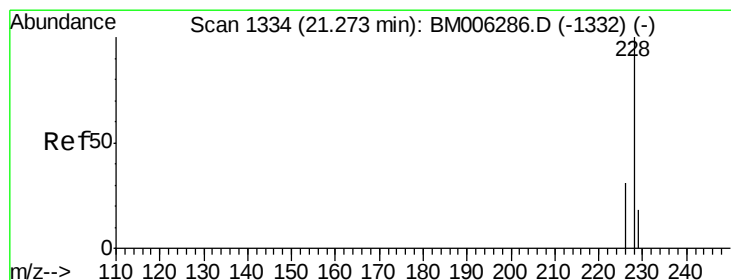
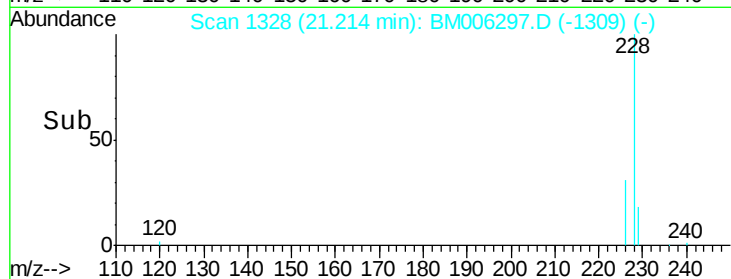
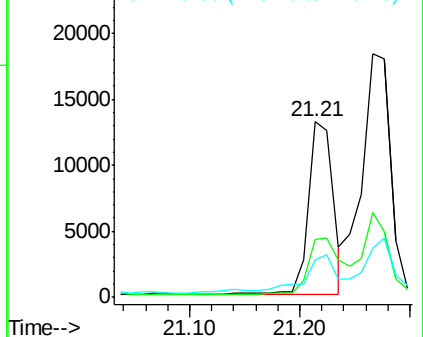
229 21.1 17.1 25.7



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: 0.65 ng/u1

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

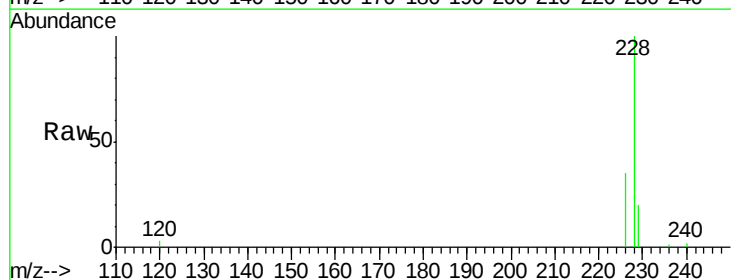
Tgt Ion:228 Resp: 32842

Ion Ratio Lower Upper

228 100

226 35.1 21.2 31.8#

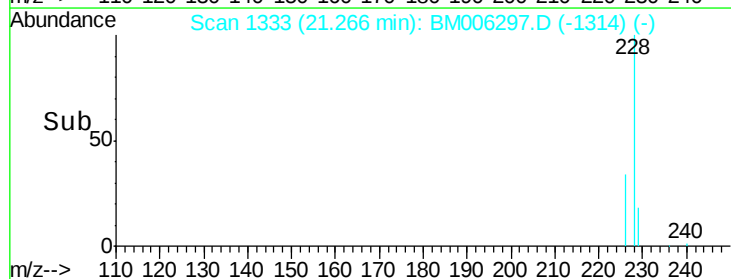
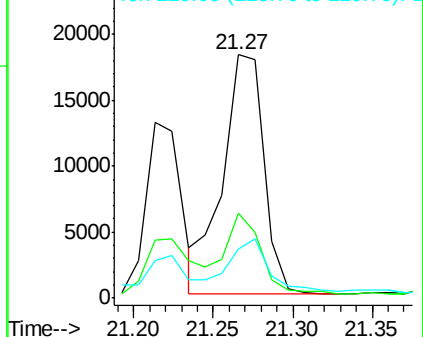
229 20.3 17.0 25.6

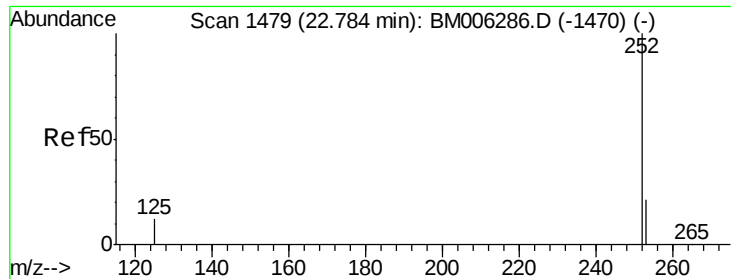


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM006297.D

Acq: 06 Jul 2016 23:52

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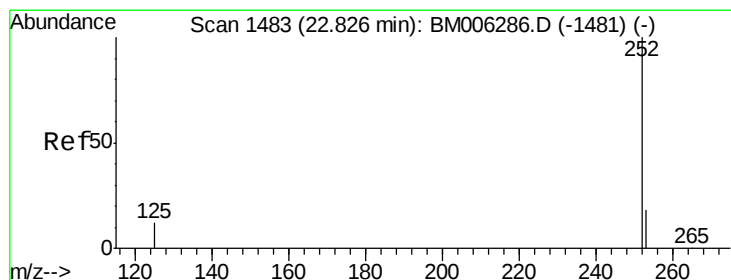
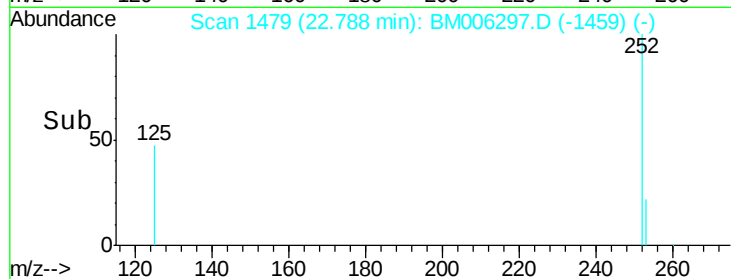
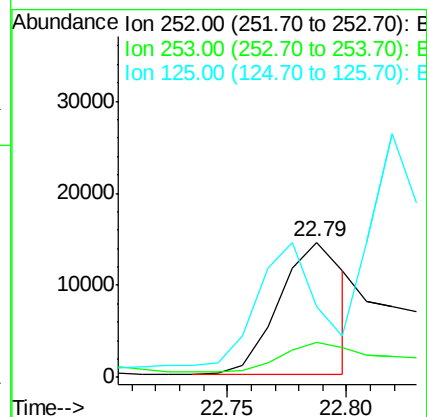
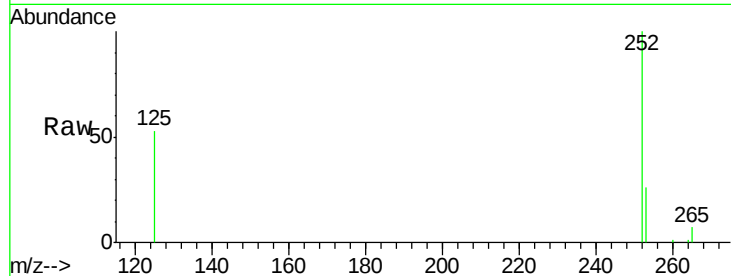
Tgt Ion:252 Resp: 26822

Ion Ratio Lower Upper

252 100

253 25.8 0.0 45.4

125 52.5 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.02 ng/u1

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

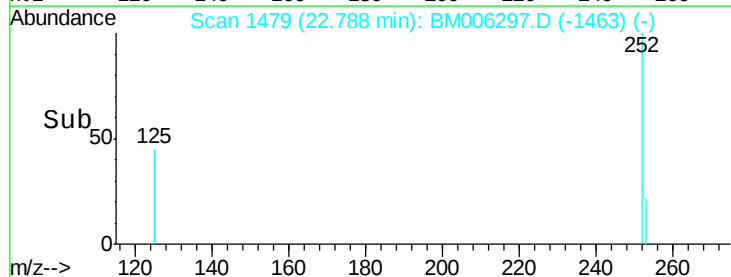
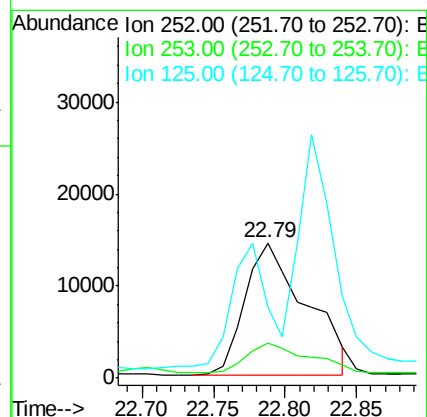
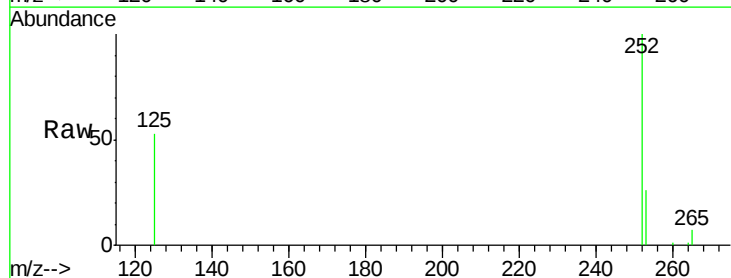
Tgt Ion:252 Resp: 42464

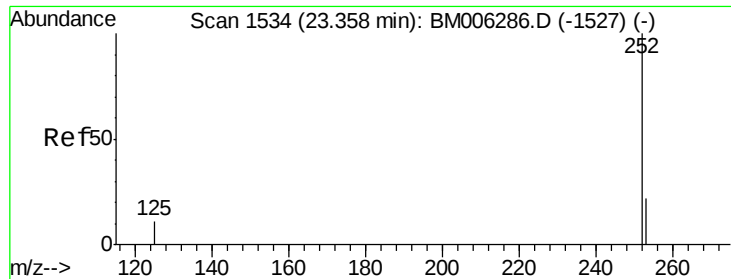
Ion Ratio Lower Upper

252 100

253 25.8 19.8 29.8

125 52.5 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.01 ng/u1

RT: 23.26 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

Instrument :

BNA_M

ClientSampleId :

A4TV9

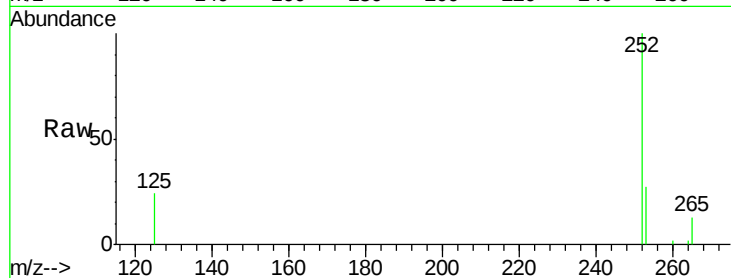
Tgt Ion:252 Resp: 18269

Ion Ratio Lower Upper

252 100

253 27.5 19.4 29.2

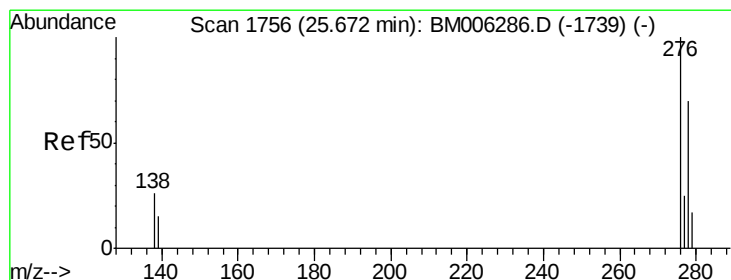
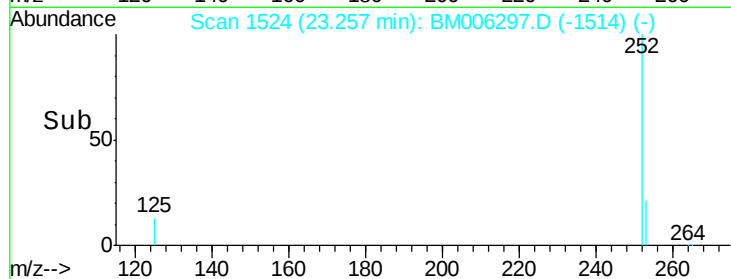
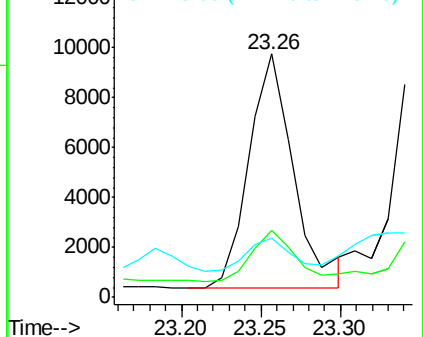
125 24.1 12.7 19.1#



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/u1

RT: 25.51 min Scan# 1740

Delta R.T. -0.16 min

Lab File: BM006297.D

Acq: 06 Jul 2016 23:52

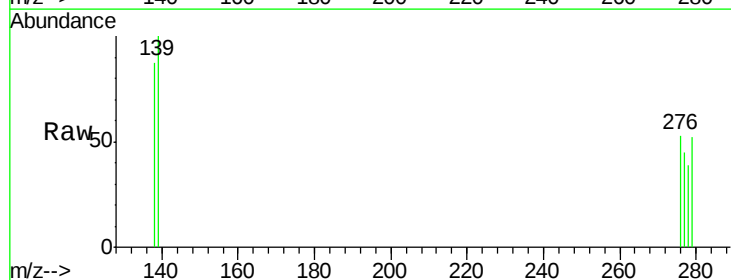
Tgt Ion:276 Resp: 671

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

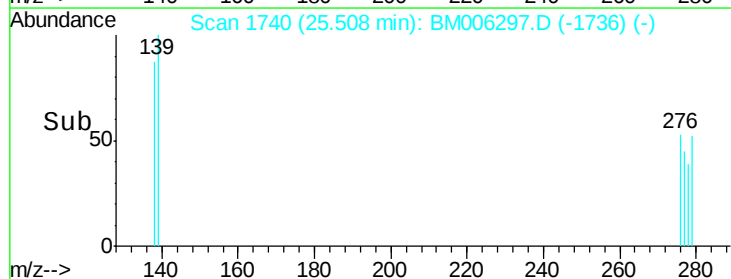
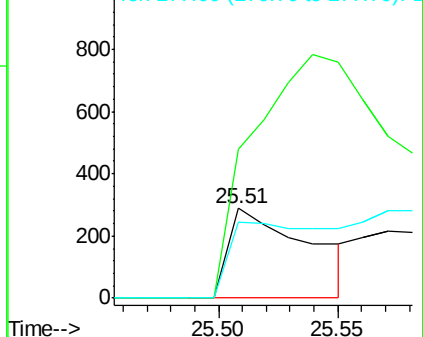
277 108.3 19.8 29.8#

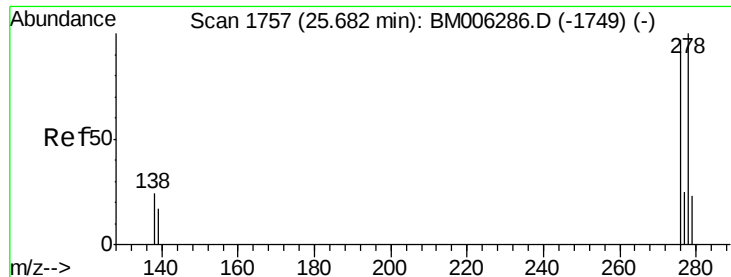


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

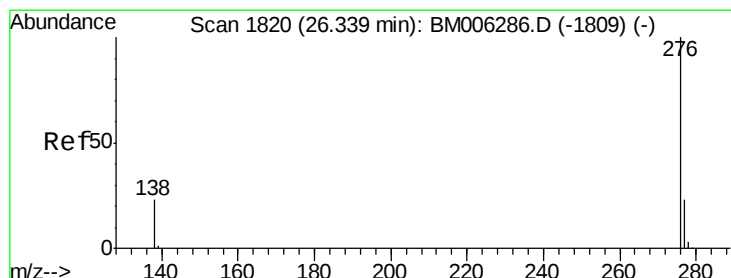
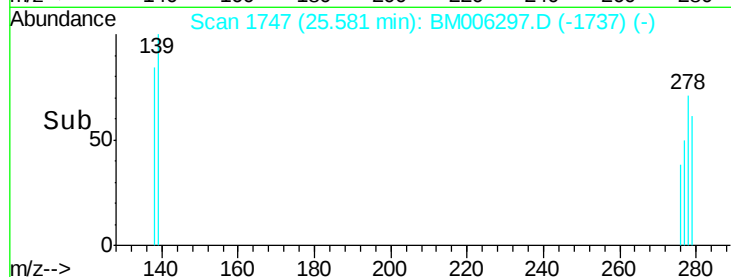
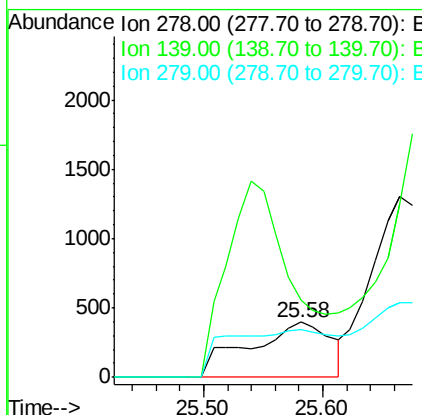
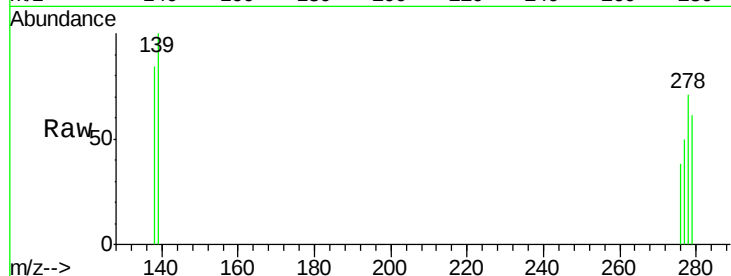




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.58 min Scan# 1747
Delta R.T. -0.10 min
Lab File: BM006297.D
Acq: 06 Jul 2016 23:52

Instrument :
BNA_M
ClientSampleId :
A4TV9

Tgt Ion: 278 Resp: 1900
Ion Ratio Lower Upper
278 100
139 140.5 16.4 24.6#
279 86.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.15 min Scan# 1802
Delta R.T. -0.18 min
Lab File: BM006297.D
Acq: 06 Jul 2016 23:52

Tgt Ion: 276 Resp: 188
Ion Ratio Lower Upper
276 100
277 105.2 18.9 28.3#
138 203.1 22.5 33.7#

