

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5

Quant Time: Jul 07 05:51:40 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 05:51:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4835	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19248	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10800	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1003193	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	14457	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	598036	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	6748	3.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6177	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	12610	0.01	ng/ul	-0.01

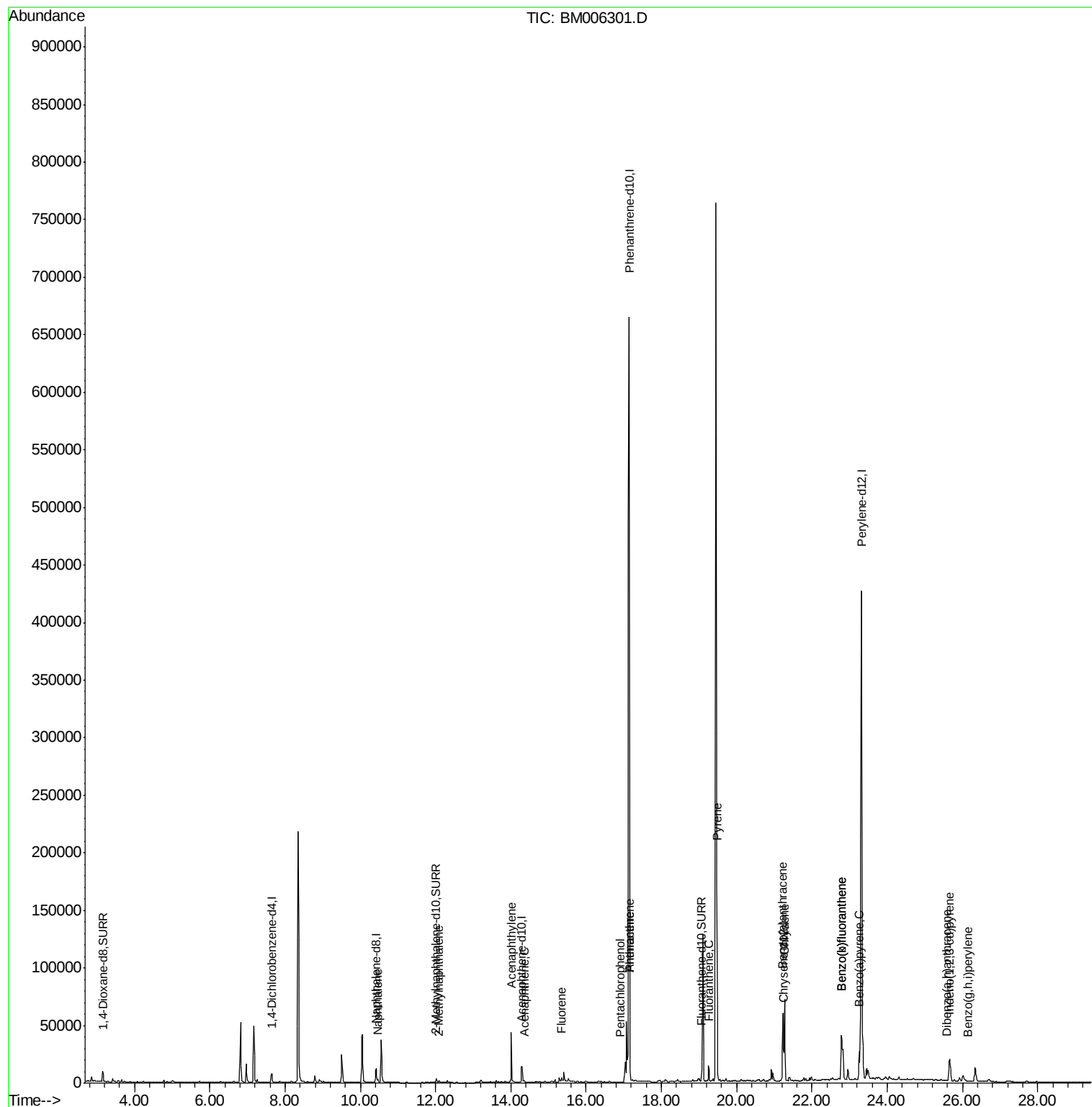
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	3414	0.08	ng/ul#	92
7) 2-Methylnaphthalene	12.09	142	1734	0.06	ng/ul	100
9) Acenaphthylene	14.01	152	12264	0.34	ng/ul#	93
10) Acenaphthene	14.35	153	1144	0.03	ng/ul#	87
11) Fluorene	15.34	166	3331	0.08	ng/ul#	79
13) Pentachlorophenol	16.90	266	7	0.00	ng/ul#	40
14) Phenanthrene	17.16	178	14005	0.01	ng/ul#	92
15) Anthracene	17.16	178	13705	0.01	ng/ul#	92
17) Fluoranthene	19.25	202	14608	0.00	ng/ul	92
19) Pyrene	19.47	202	141022	2.33	ng/ul	97
20) Benzo(a)anthracene	21.22	228	52292	1.12	ng/ul#	91
21) Chrysene	21.27	228	67313	1.47	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	59862	0.03	ng/ul	98
24) Benzo(k)fluoranthene	22.78	252	86363	0.04	ng/ul#	95
25) Benzo(a)pyrene	23.25	252	34649	0.02	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.66	276	25072	0.01	ng/ul	95
27) Dibenzo(a,h)anthracene	25.58	278	3108	0.00	ng/ul#	21
28) Benzo(g,h,i)perylene	26.14	276	243	0.00	ng/ul#	1

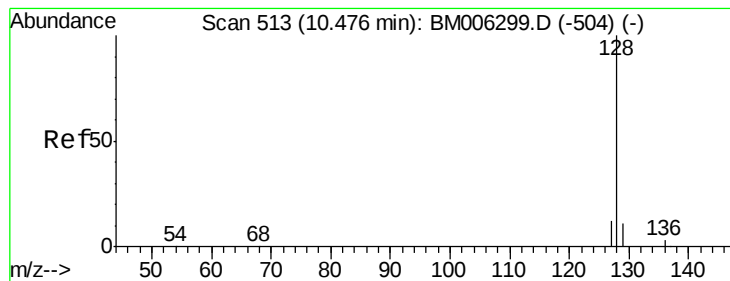
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

ClientSampleId :

A4TW5

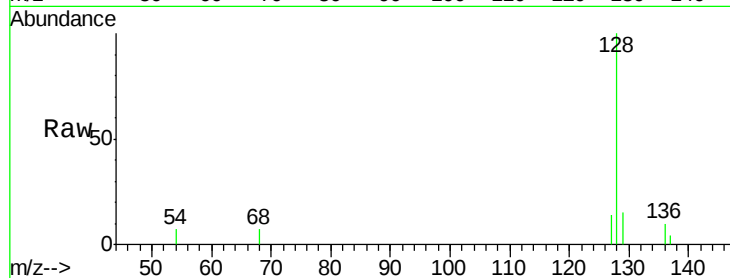
Tgt Ion:128 Resp: 3414

Ion Ratio Lower Upper

128 100

129 15.2 9.0 13.6#

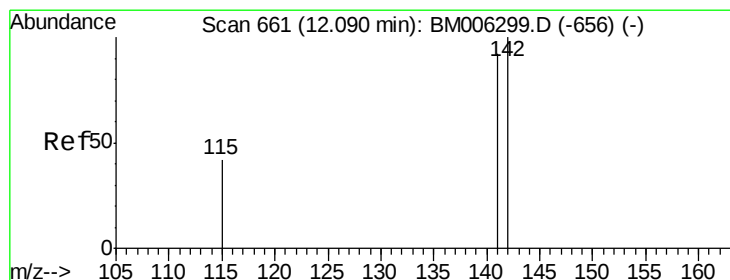
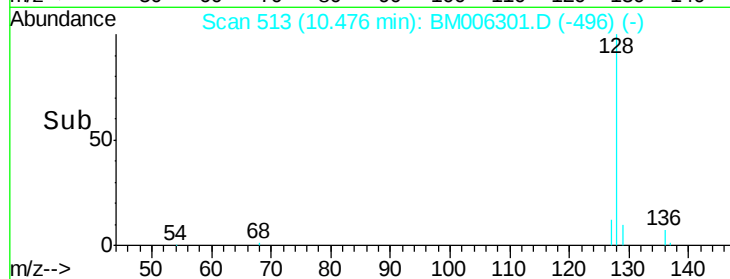
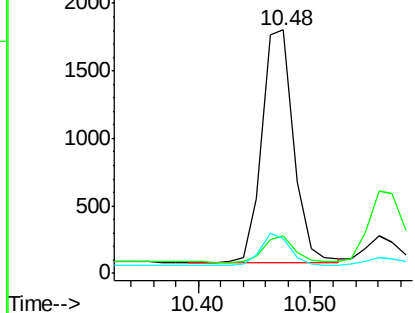
127 14.5 9.6 14.4#



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: 0.06 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006301.D

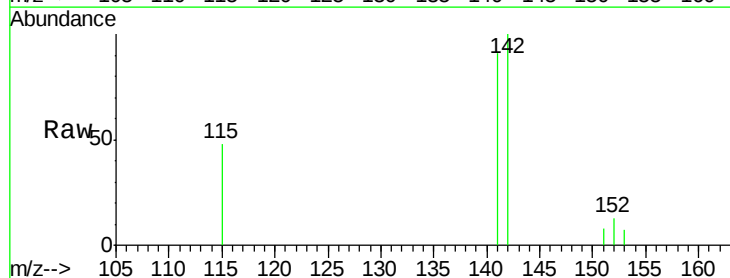
Acq: 07 Jul 2016 02:53

Tgt Ion:142 Resp: 1734

Ion Ratio Lower Upper

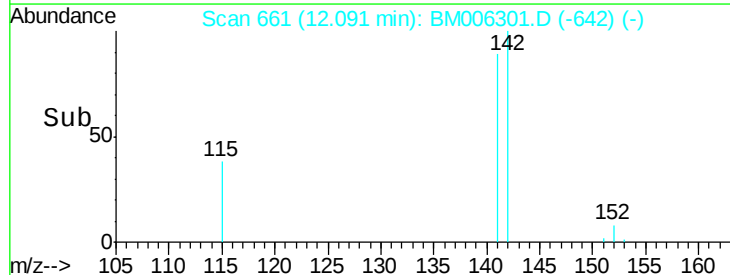
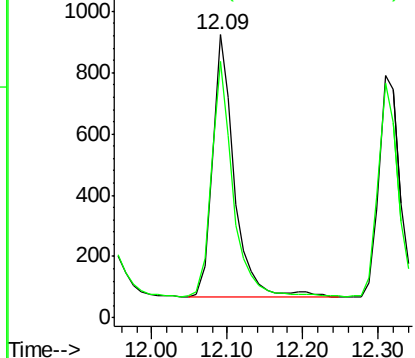
142 100

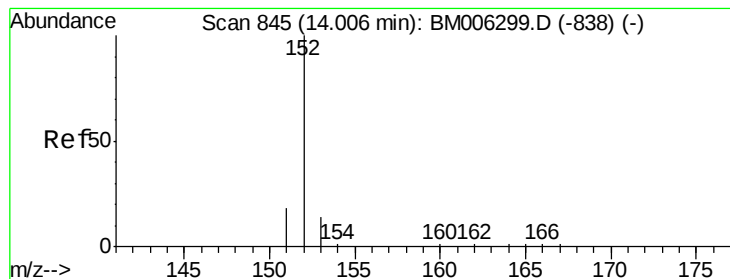
141 87.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.34 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

ClientSampleId :

A4TW5

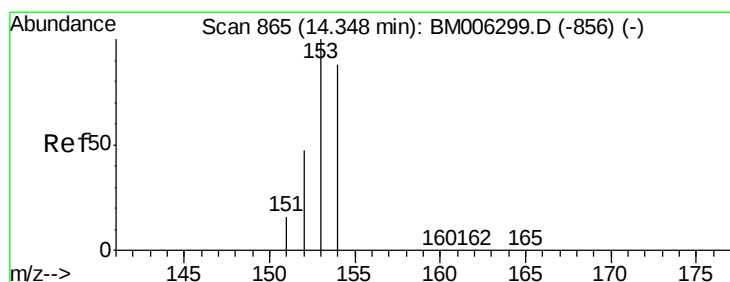
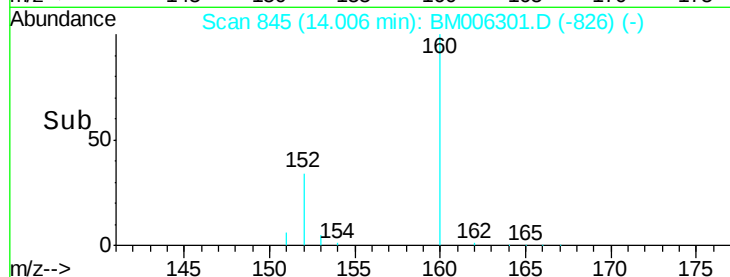
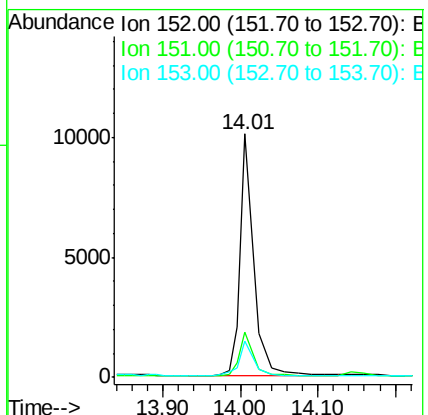
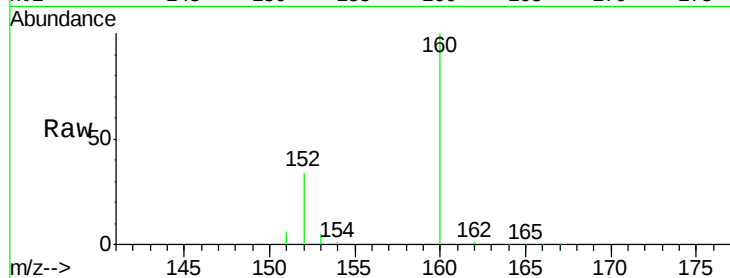
Tgt Ion:152 Resp: 12264

Ion Ratio Lower Upper

152 100

151 18.7 17.6 26.4

153 14.7 9.7 14.5#



#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

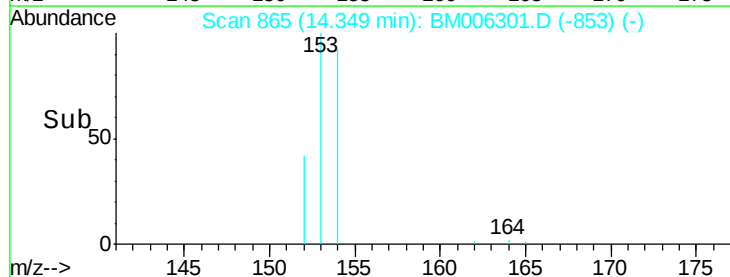
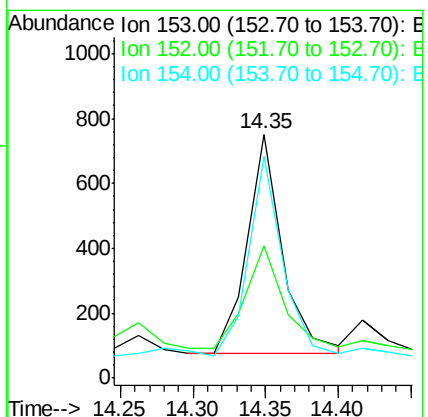
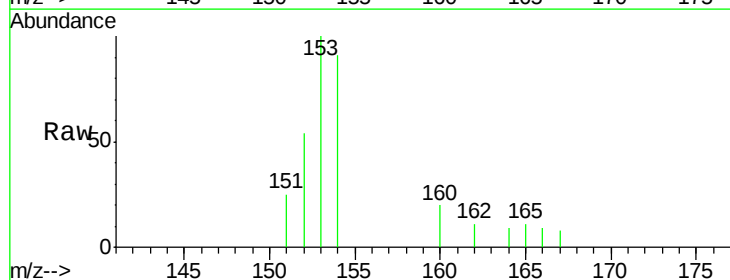
Tgt Ion:153 Resp: 1144

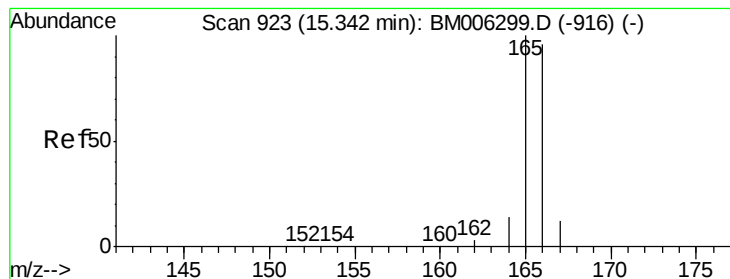
Ion Ratio Lower Upper

153 100

152 54.3 33.9 50.9#

154 90.8 80.6 121.0





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

ClientSampleId :

A4TW5

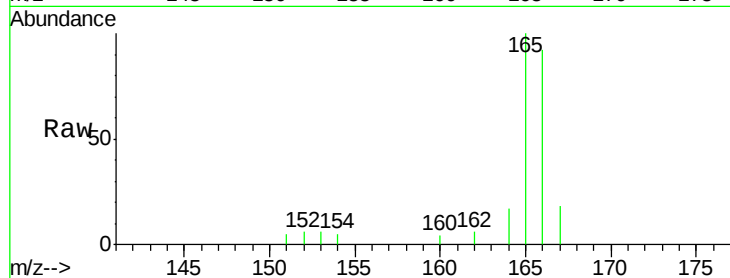
Tgt Ion:166 Resp: 3331

Ion Ratio Lower Upper

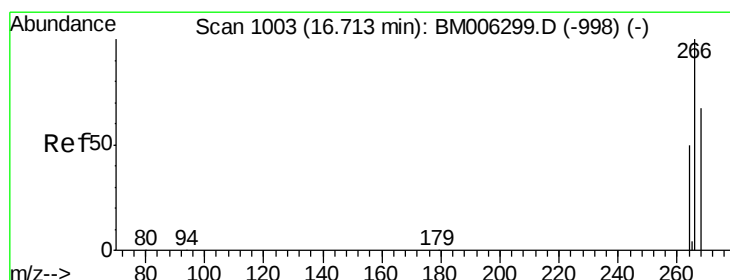
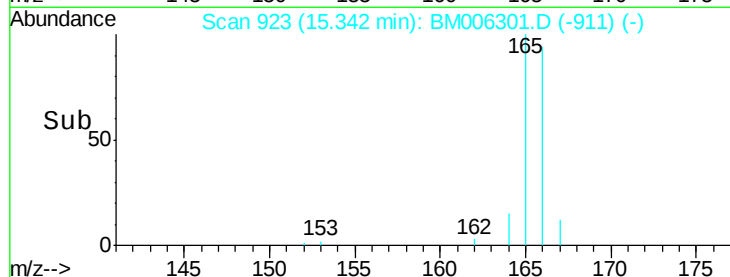
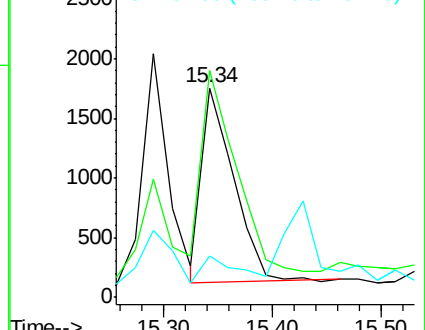
166 100

165 108.3 69.6 104.4#

167 19.5 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: 16.90 min Scan# 1014

Delta R.T. 0.19 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

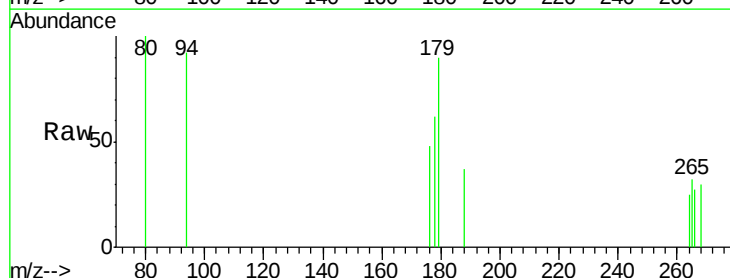
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

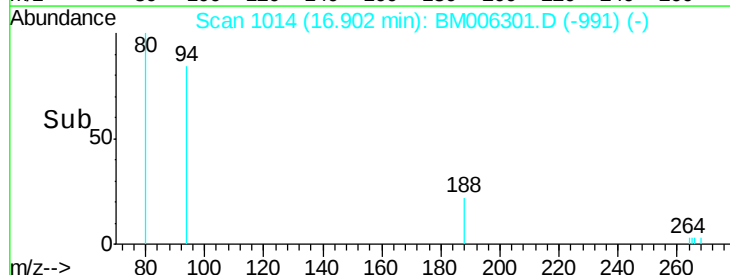
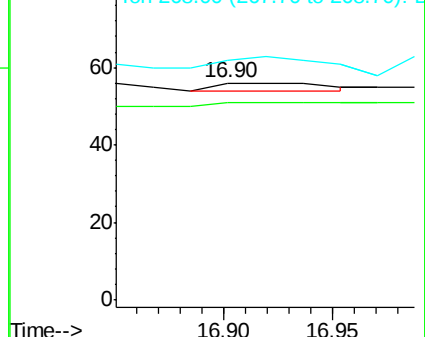
266 100

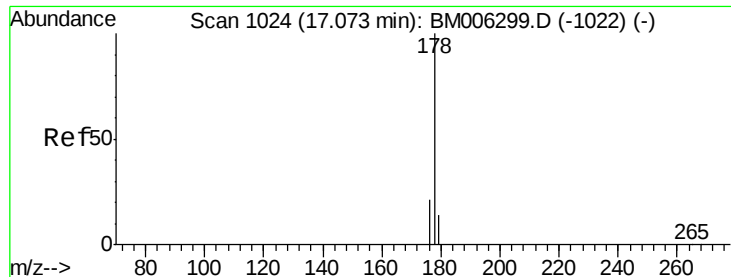
264 28.6 51.8 77.8#

268 114.3 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: 0.01 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

ClientSampleId :

A4TW5

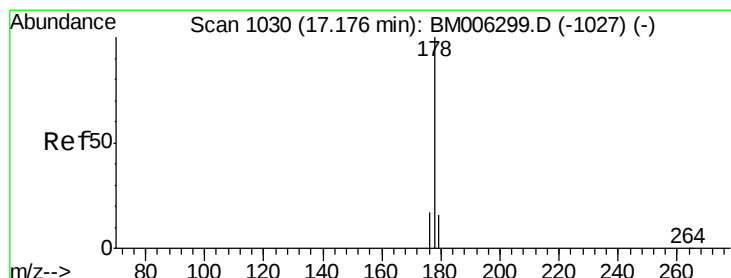
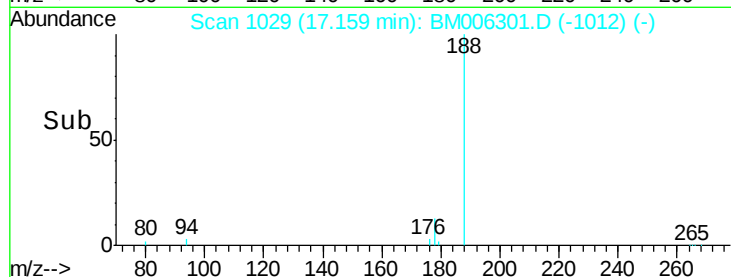
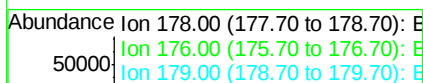
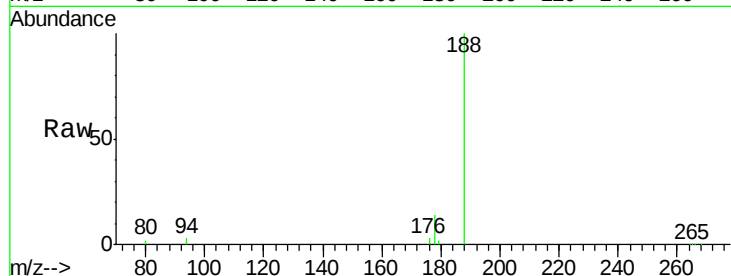
Tgt Ion:178 Resp: 14005

Ion Ratio Lower Upper

178 100

176 22.9 13.0 19.4#

179 17.3 14.2 21.2



#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

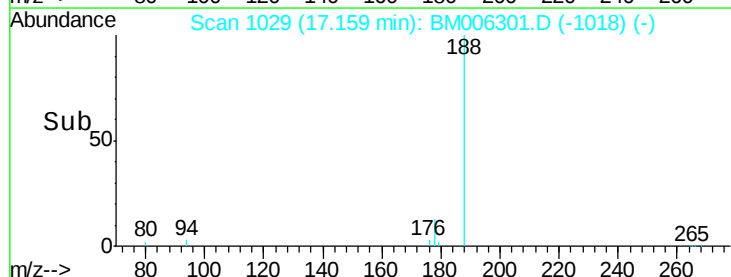
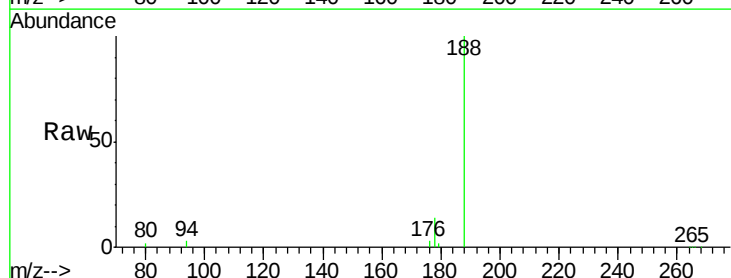
Tgt Ion:178 Resp: 13705

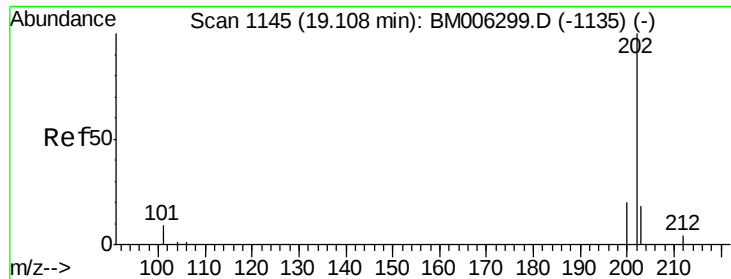
Ion Ratio Lower Upper

178 100

176 22.9 14.0 21.0#

179 17.3 12.9 19.3





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

ClientSampleId :

A4TW5

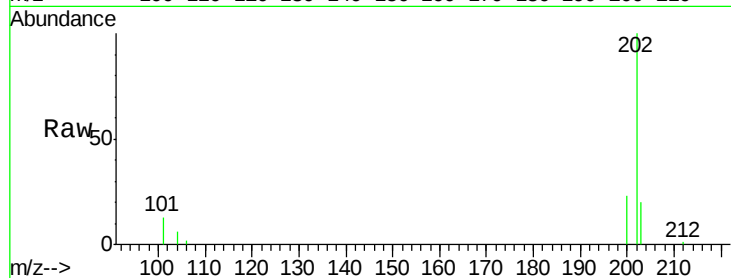
Tgt Ion:202 Resp: 14608

Ion Ratio Lower Upper

202 100

101 12.7 0.0 29.6

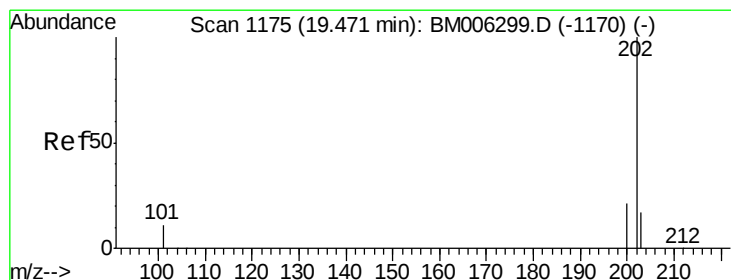
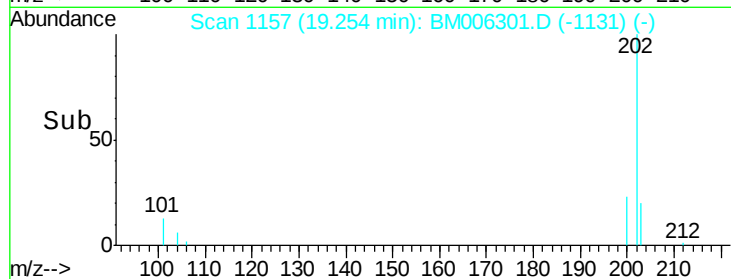
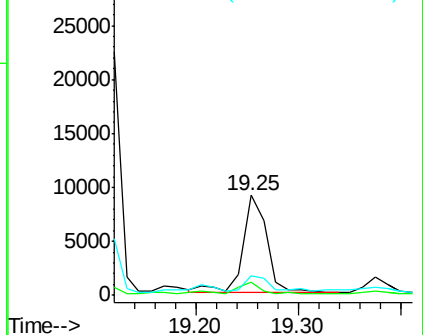
203 19.6 0.0 36.3



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: 2.33 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

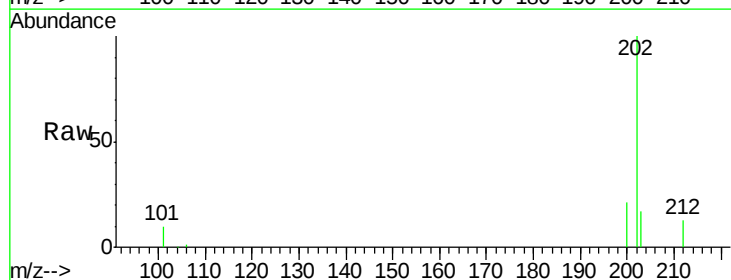
Tgt Ion:202 Resp: 141022

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.8

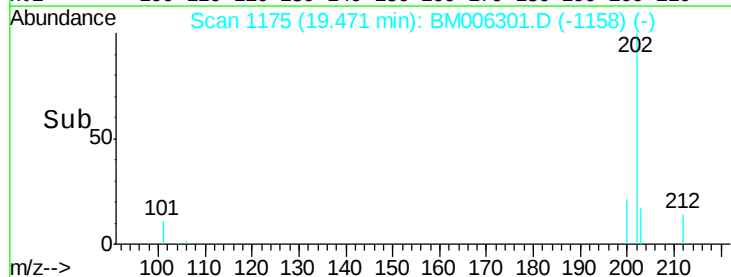
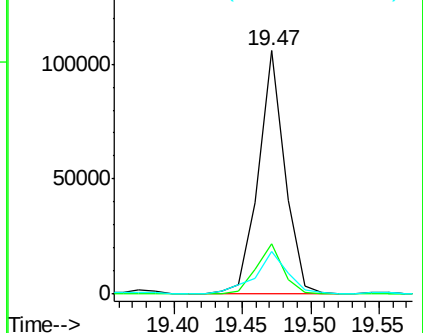
203 17.4 12.8 19.2

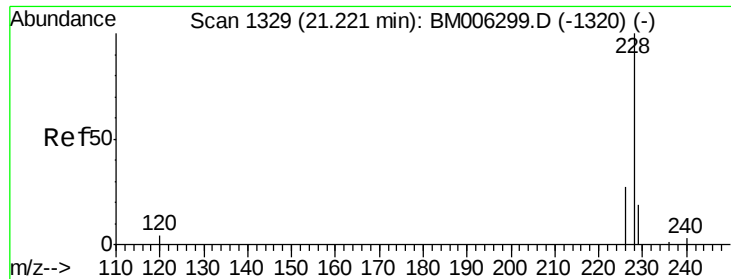


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.12 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

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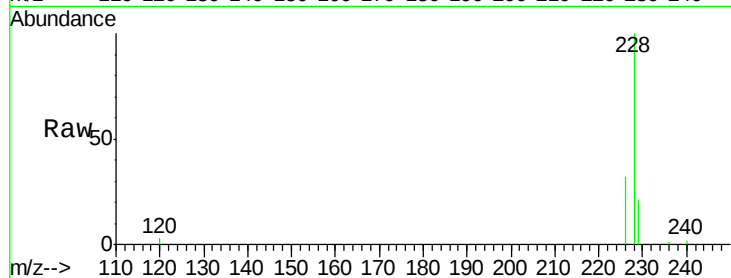
Tgt Ion:228 Resp: 52292

Ion Ratio Lower Upper

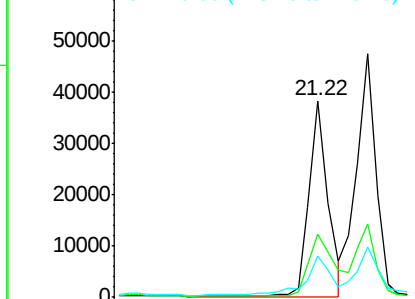
228 100

226 32.2 18.8 28.2#

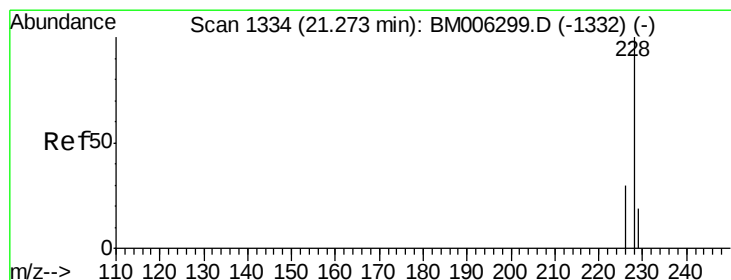
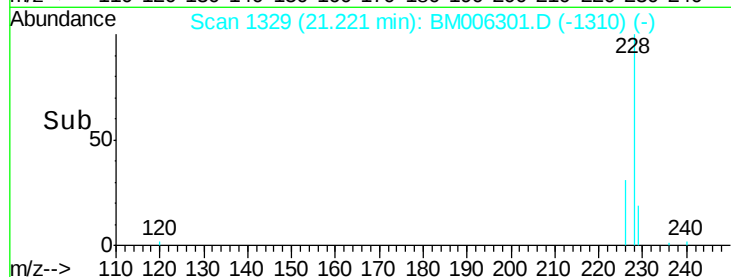
229 21.2 17.1 25.7



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: 1.47 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

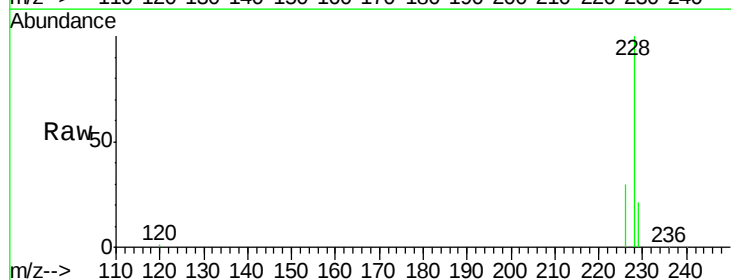
Tgt Ion:228 Resp: 67313

Ion Ratio Lower Upper

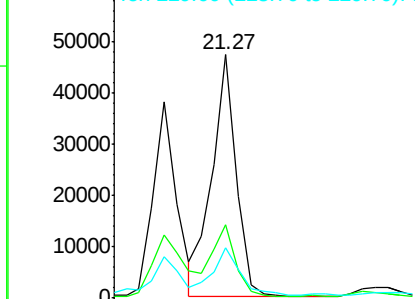
228 100

226 30.3 21.2 31.8

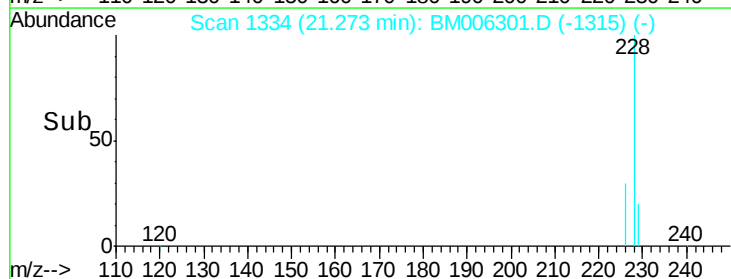
229 20.8 17.0 25.6

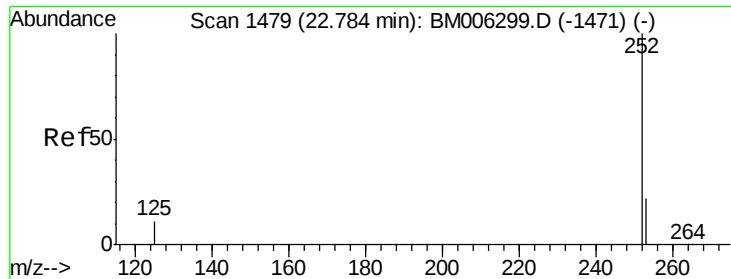


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.03 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

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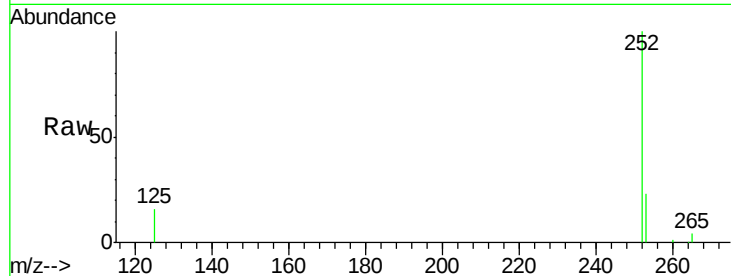
Tgt Ion:252 Resp: 59862

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.4

125 15.8 0.0 28.8

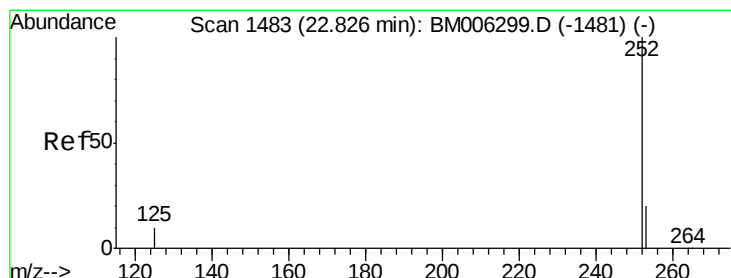
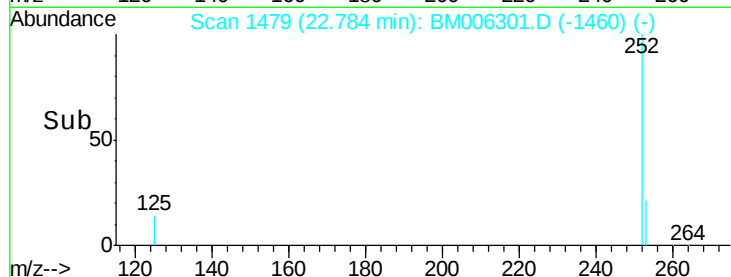
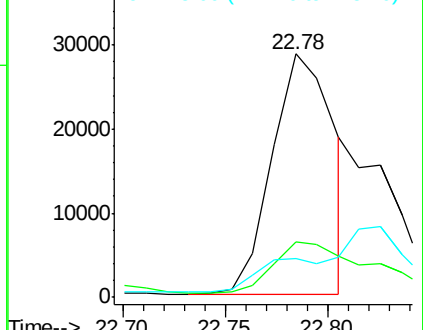


Abundance

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: 0.04 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

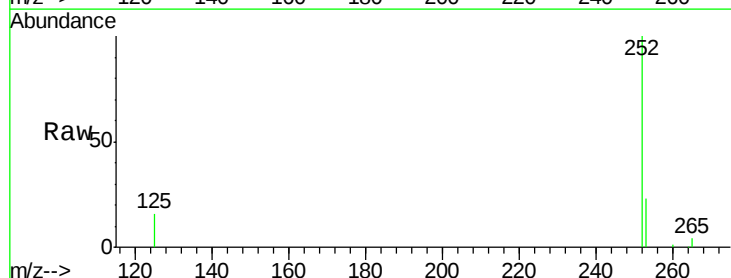
Tgt Ion:252 Resp: 86363

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

125 15.8 10.4 15.6#

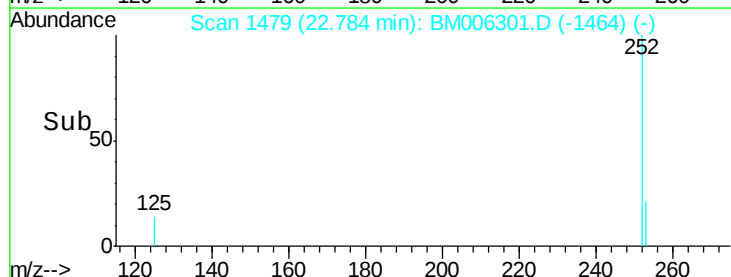
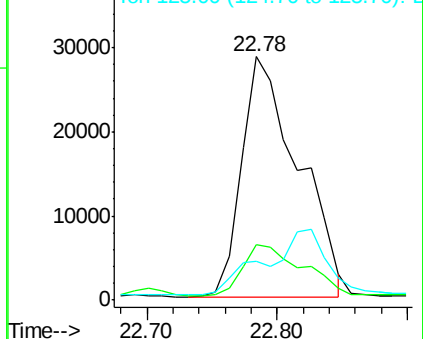


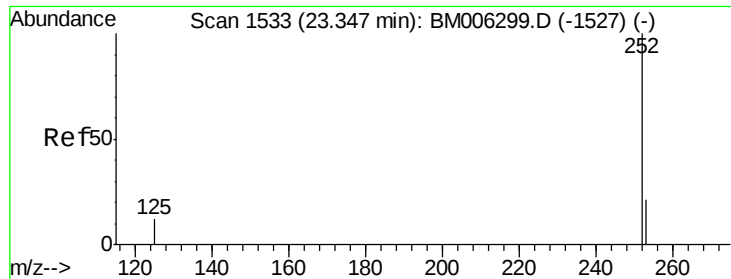
Abundance

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: 0.02 ng/u1

RT: 23.25 min Scan# 1524

Delta R.T. -0.09 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

Instrument :

BNA_M

ClientSampleId :

A4TW5

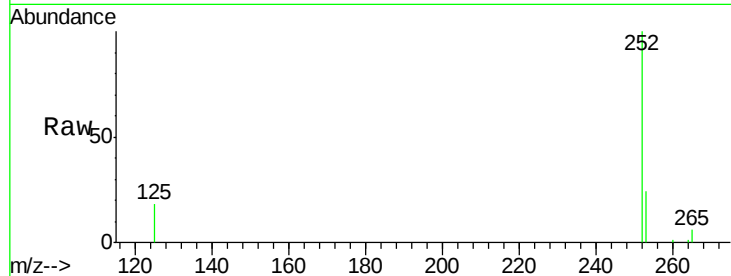
Tgt Ion:252 Resp: 34649

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

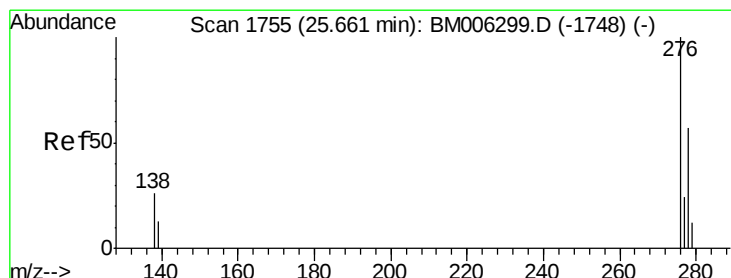
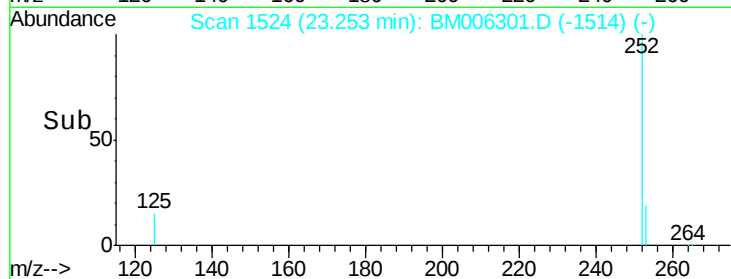
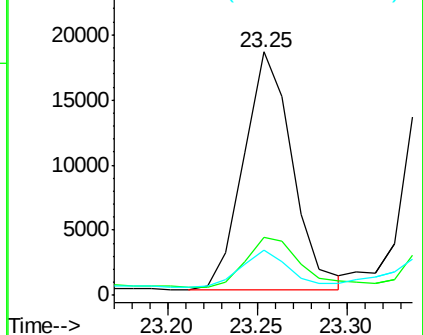
125 18.3 12.7 19.1



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: 0.01 ng/u1

RT: 25.66 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BM006301.D

Acq: 07 Jul 2016 02:53

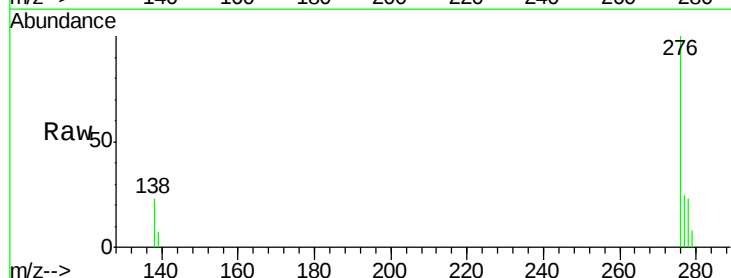
Tgt Ion:276 Resp: 25072

Ion Ratio Lower Upper

276 100

138 22.5 16.3 24.5

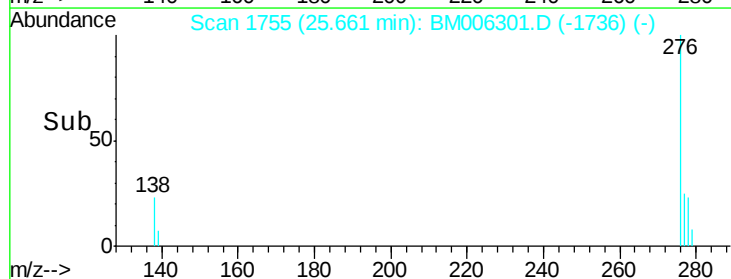
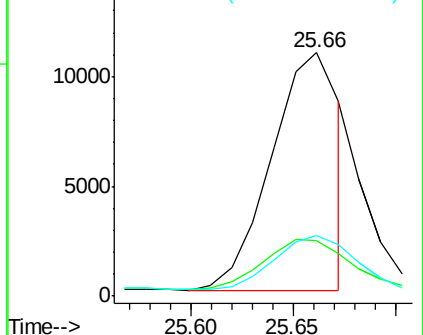
277 22.3 19.8 29.8

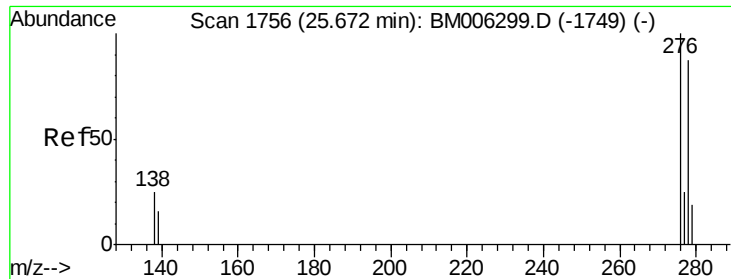


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

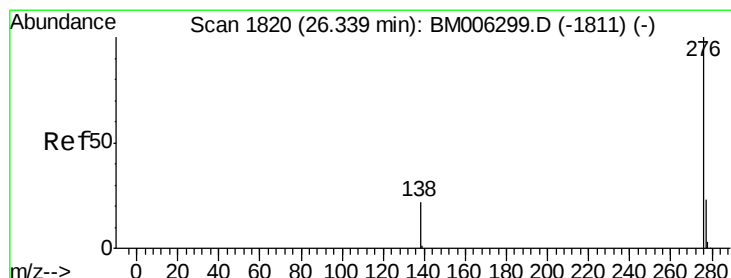
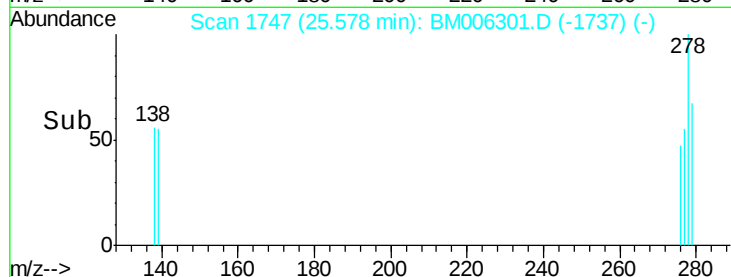
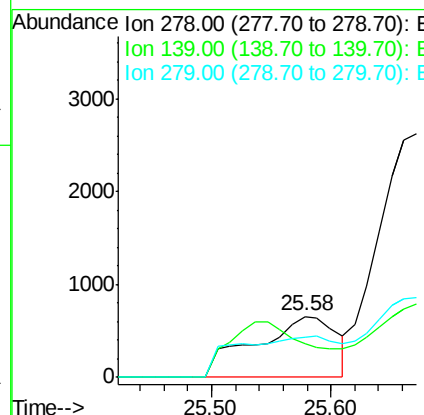
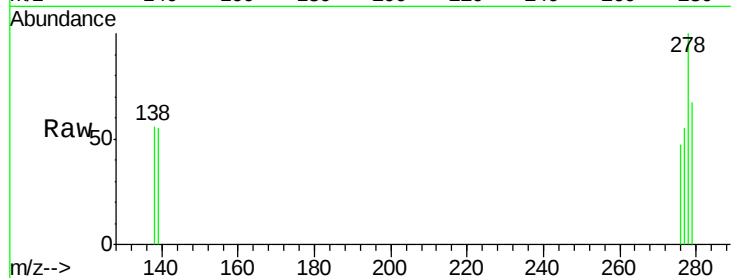




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.58 min Scan# 1747
Delta R.T. -0.09 min
Lab File: BM006301.D
Acq: 07 Jul 2016 02:53

Instrument :
BNA_M
ClientSampleId :
A4TW5

Tgt Ion: 278 Resp: 3108
Ion Ratio Lower Upper
278 100
139 55.4 16.4 24.6#
279 67.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.14 min Scan# 1801
Delta R.T. -0.20 min
Lab File: BM006301.D
Acq: 07 Jul 2016 02:53

Tgt Ion: 276 Resp: 243
Ion Ratio Lower Upper
276 100
277 80.7 18.9 28.3#
138 107.9 22.5 33.7#

