

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006306.D
 Acq On : 07 Jul 2016 05:53
 Operator : UM/SJ
 Sample : H3811-22
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TX0

Quant Time: Jul 07 06:34:57 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	4912	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19875	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11154	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1146952	0.40	ng/ul	0.10
18) Chrysene-d12	21.25	240	14371	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	648186	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	8897	4.29	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7252	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	14383	0.01	ng/ul	0.00

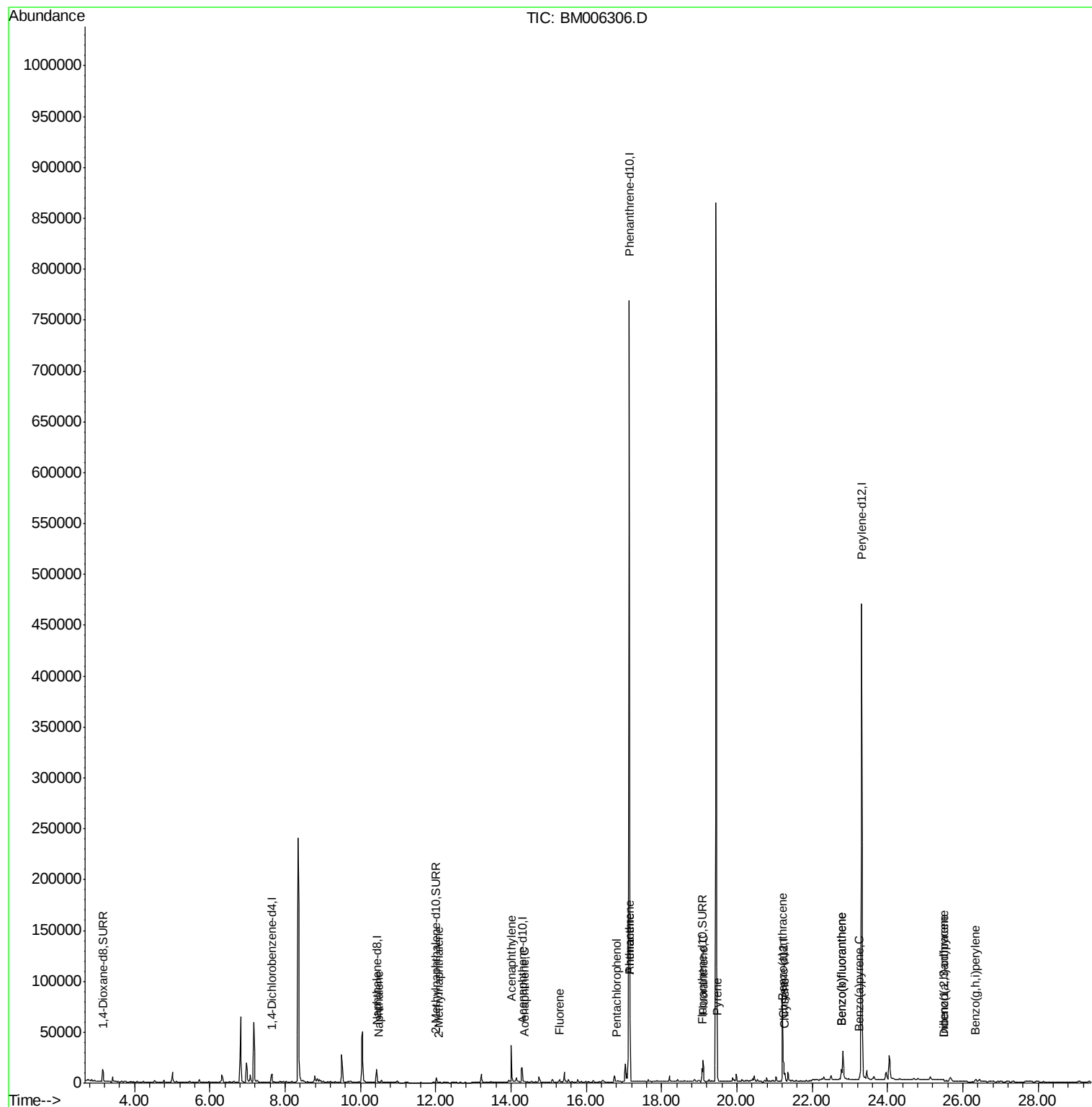
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	437	0.01	ng/ul#	43
7) 2-Methylnaphthalene	12.09	142	209	0.01	ng/ul	96
9) Acenaphthylene	14.01	152	1643	0.04	ng/ul#	36
10) Acenaphthene	14.35	153	450	0.01	ng/ul#	56
11) Fluorene	15.29	166	2885	0.07	ng/ul#	26
13) Pentachlorophenol	16.82	266	3	0.00	ng/ul#	62
14) Phenanthrene	17.16	178	1501	0.00	ng/ul#	30
15) Anthracene	17.16	178	1473	0.00	ng/ul#	31
17) Fluoranthene	19.10	202	20601	0.01	ng/ul	94
19) Pyrene	19.48	202	19386	0.32	ng/ul#	92
20) Benzo(a)anthracene	21.22	228	5455	0.12	ng/ul#	81
21) Chrysene	21.28	228	7496	0.16	ng/ul	92
23) Benzo(b)fluoranthene	22.79	252	8538	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.79	252	11990	0.01	ng/ul#	3
25) Benzo(a)pyrene	23.26	252	4814	0.00	ng/ul#	55
26) Indeno(1,2,3-cd)pyrene	25.51	276	757	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.51	278	587	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.34	276	3176	0.00	ng/ul#	72

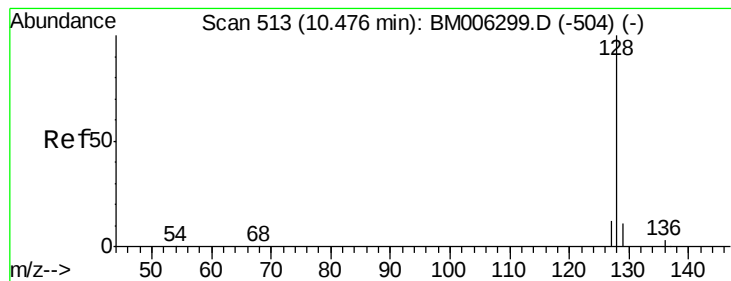
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

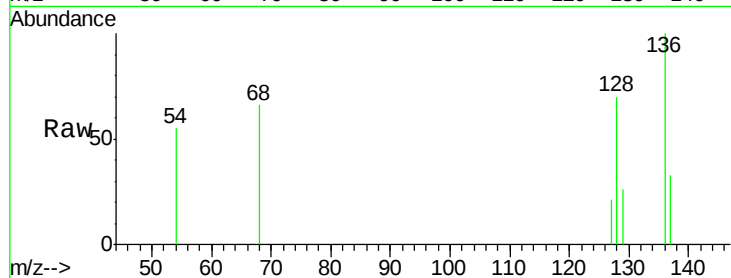
Tgt Ion:128 Resp: 437

Ion Ratio Lower Upper

128 100

129 36.9 9.0 13.6#

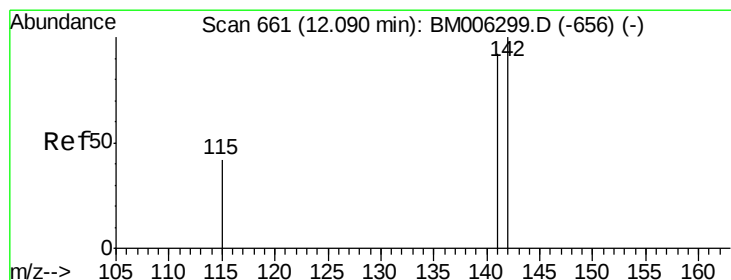
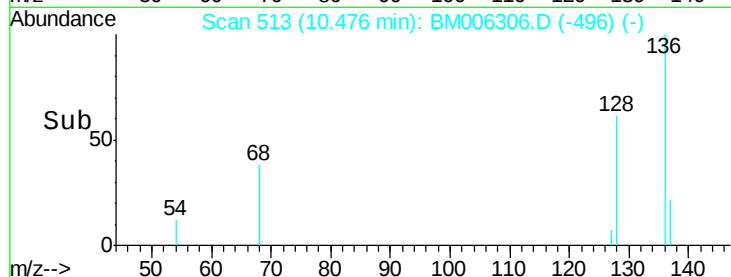
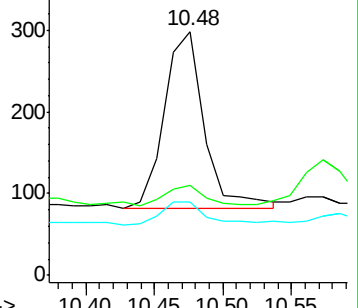
127 30.2 9.6 14.4#



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: BM006306.D

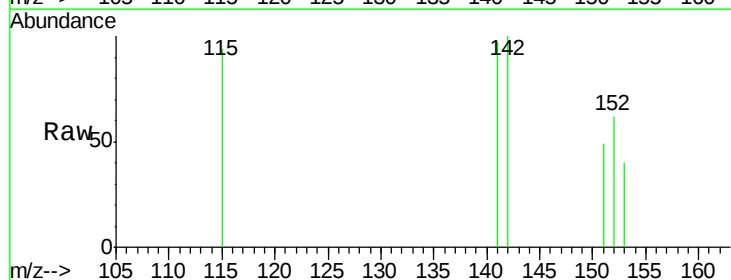
Acq: 07 Jul 2016 05:53

Tgt Ion:142 Resp: 209

Ion Ratio Lower Upper

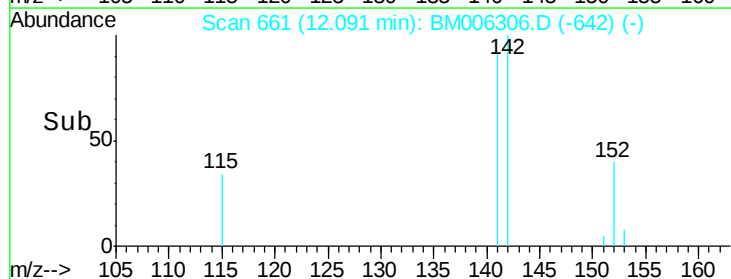
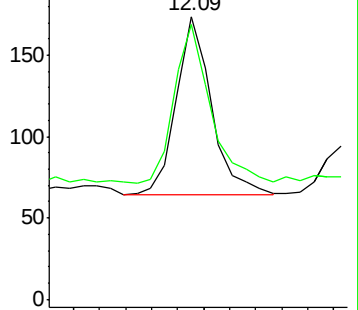
142 100

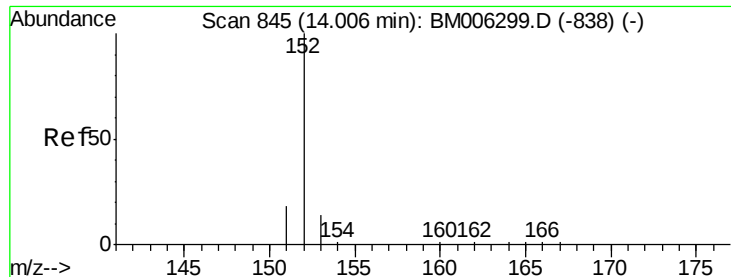
141 91.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

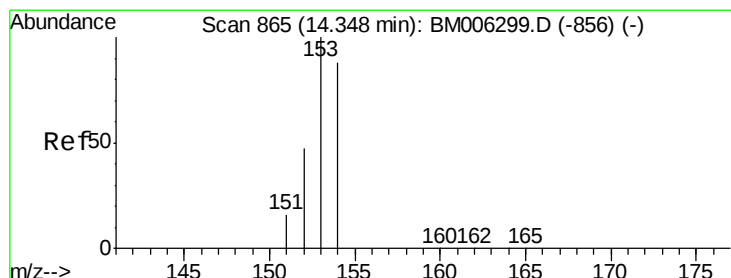
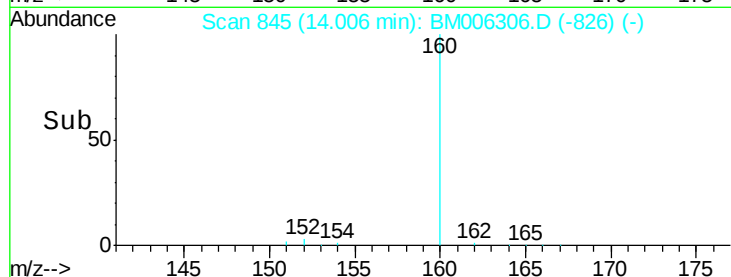
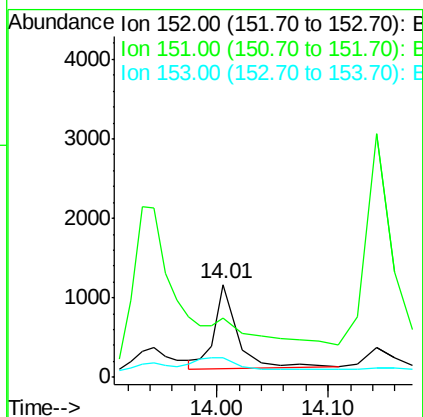
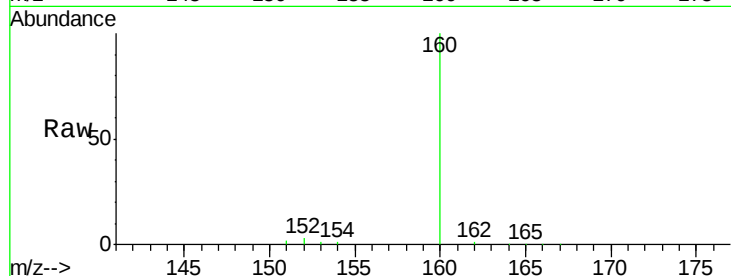
Tgt Ion:152 Resp: 1643

Ion Ratio Lower Upper

152 100

151 63.6 17.6 26.4#

153 21.0 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

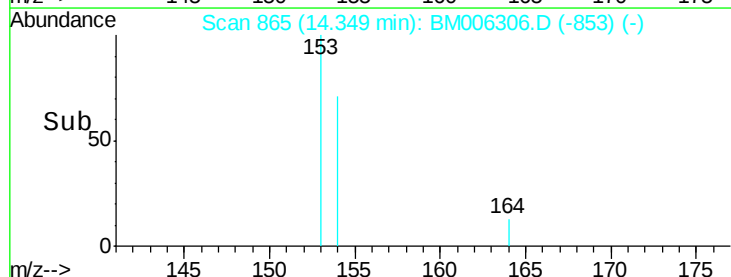
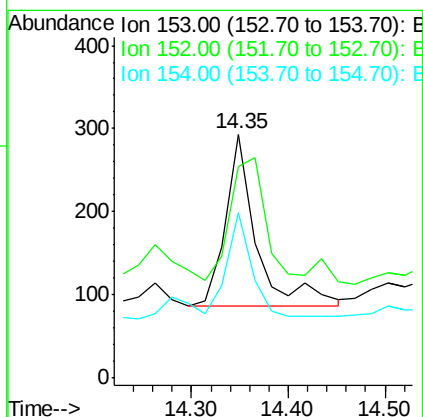
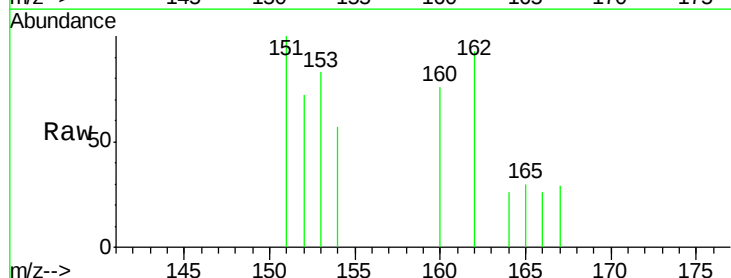
Tgt Ion:153 Resp: 450

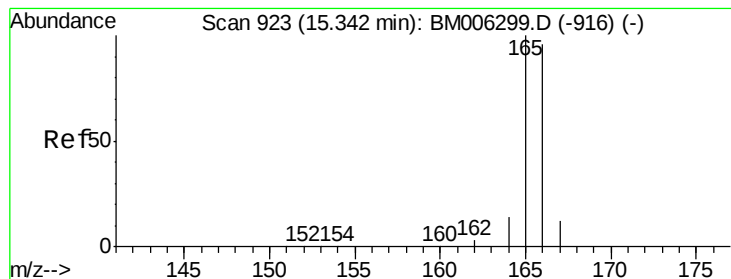
Ion Ratio Lower Upper

153 100

152 87.0 33.9 50.9#

154 67.9 80.6 121.0#





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

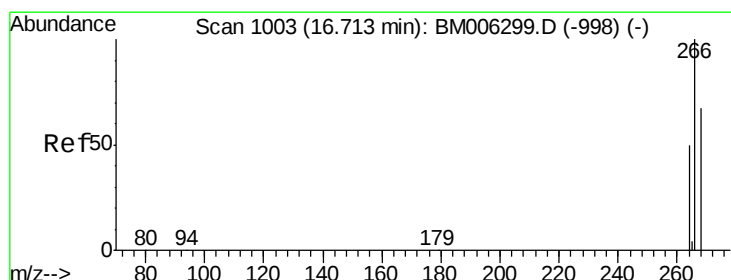
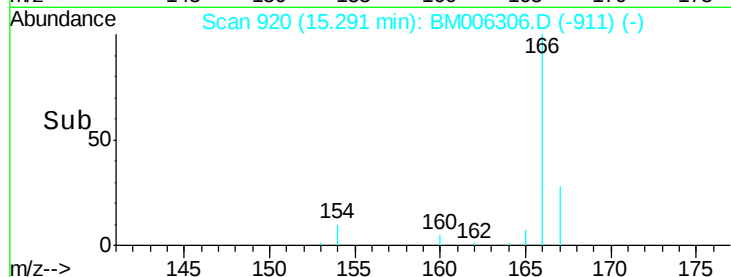
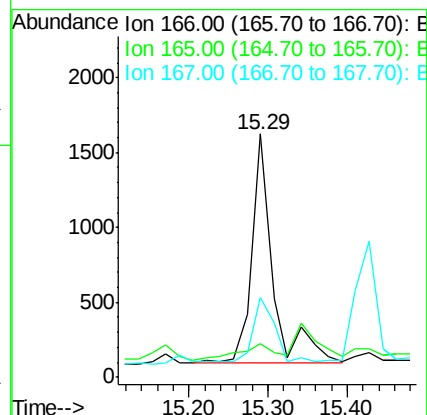
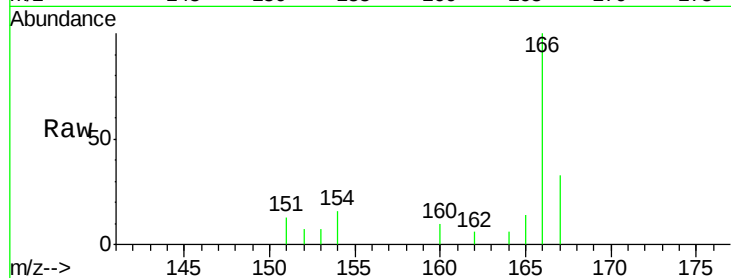
Tgt Ion:166 Resp: 2885

Ion Ratio Lower Upper

166 100

165 14.0 69.6 104.4#

167 32.9 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.82 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

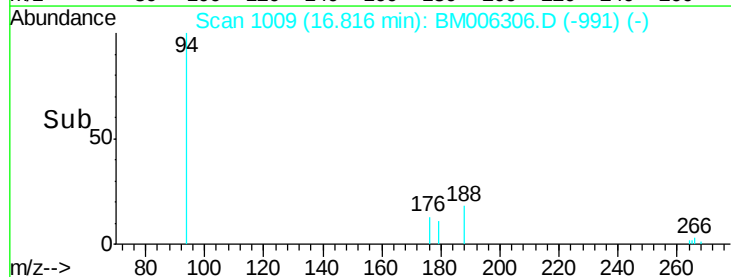
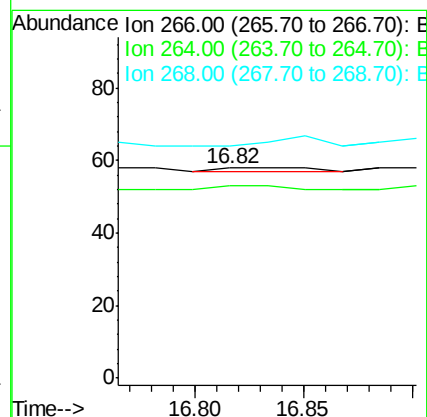
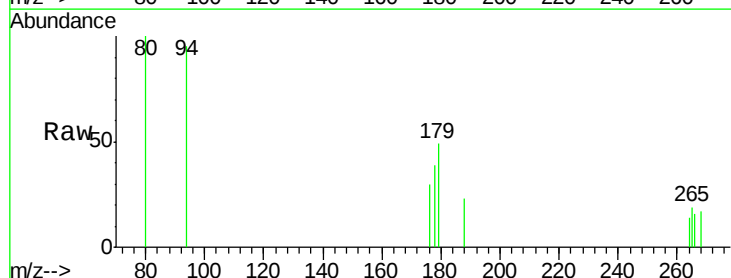
Tgt Ion:266 Resp: 3

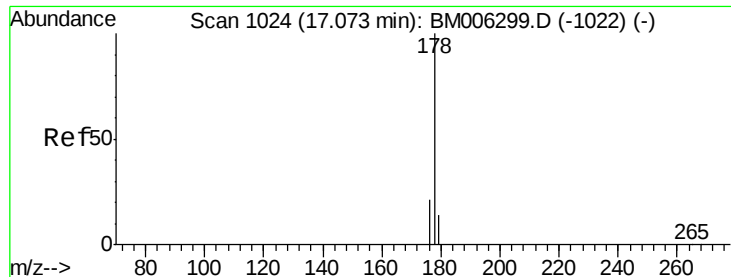
Ion Ratio Lower Upper

266 100

264 66.7 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: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

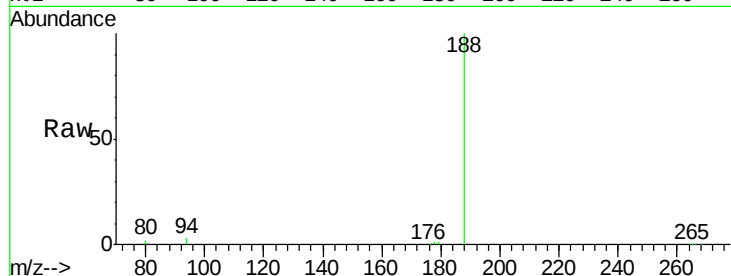
Tgt Ion:178 Resp: 1501

Ion Ratio Lower Upper

178 100

176 33.9 13.0 19.4#

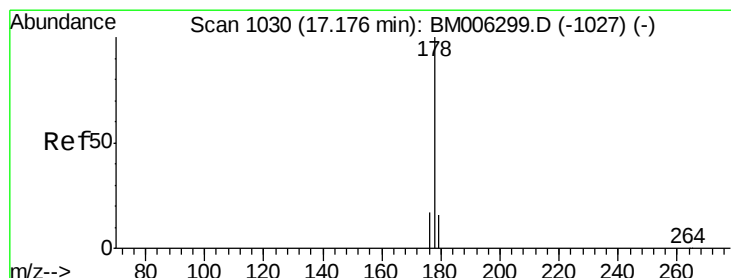
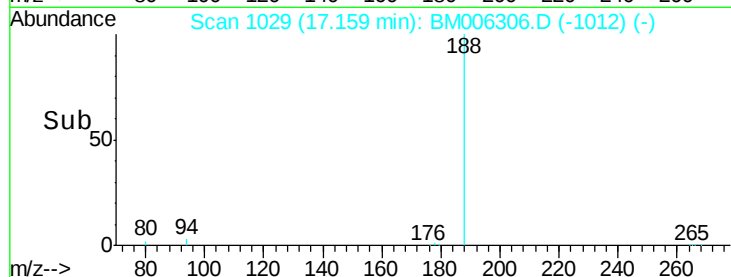
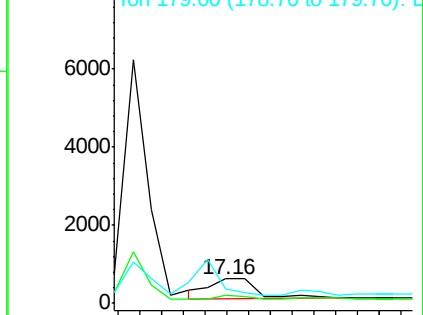
179 60.1 14.2 21.2#



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: BM006306.D

Acq: 07 Jul 2016 05:53

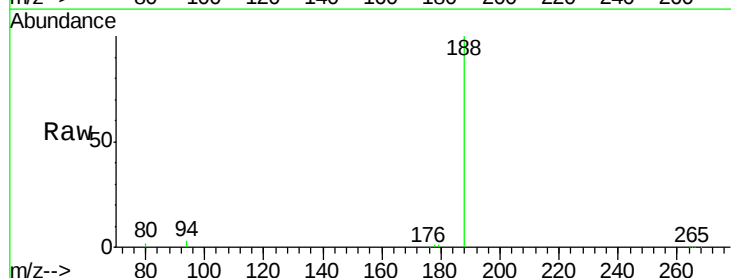
Tgt Ion:178 Resp: 1473

Ion Ratio Lower Upper

178 100

176 33.9 14.0 21.0#

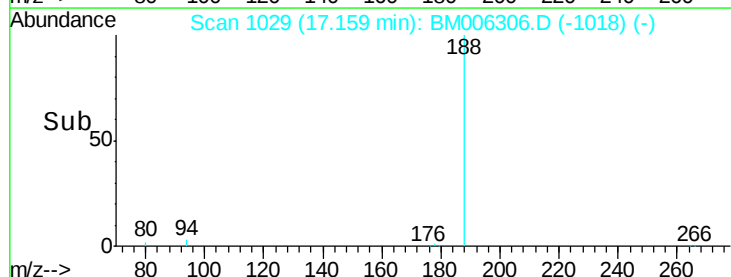
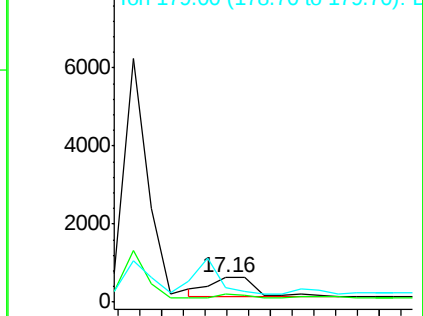
179 60.1 12.9 19.3#

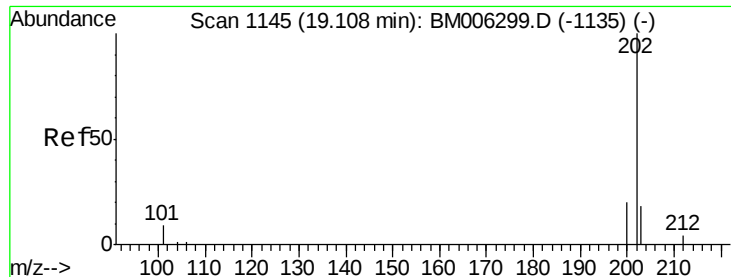


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

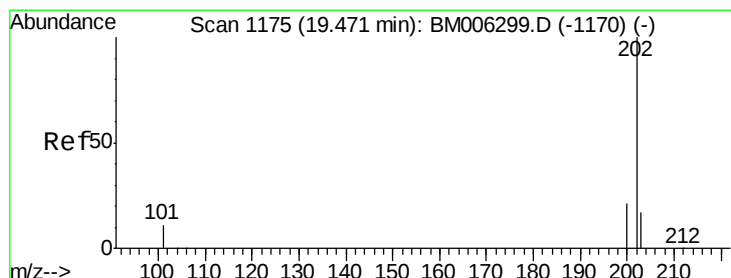
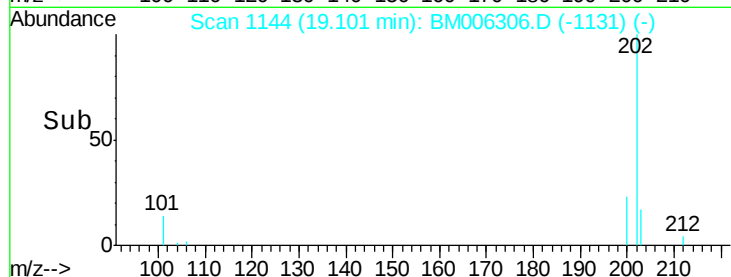
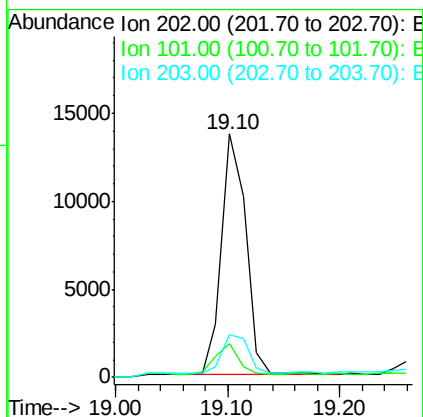
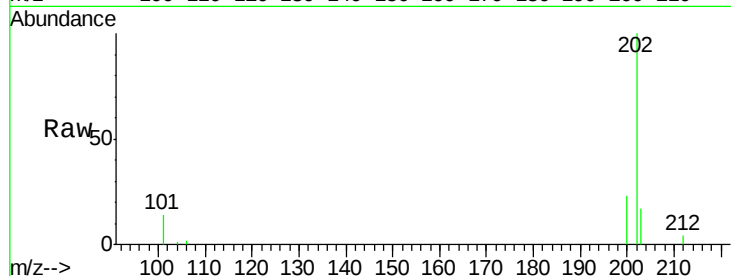




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.10 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BM006306.D
 Acq: 07 Jul 2016 05:53

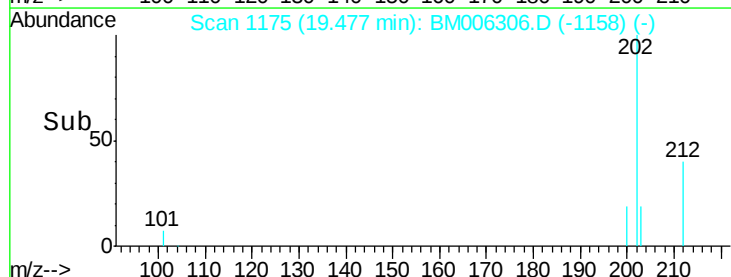
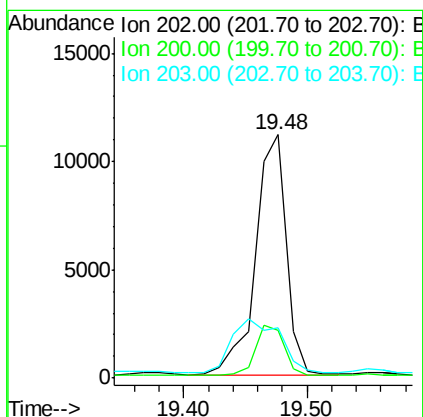
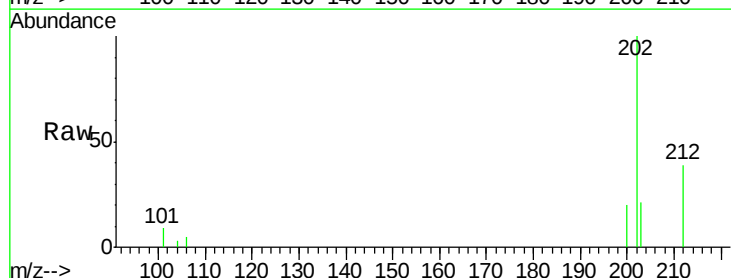
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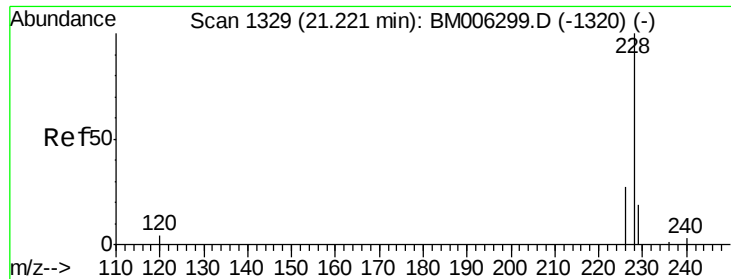
Tgt Ion:202 Resp: 20601
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 29.6
 203 17.3 0.0 36.3



#19
Pyrene
 Concen: 0.32 ng/ul
 RT: 19.48 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: BM006306.D
 Acq: 07 Jul 2016 05:53

Tgt Ion:202 Resp: 19386
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.8 26.8
 203 20.9 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

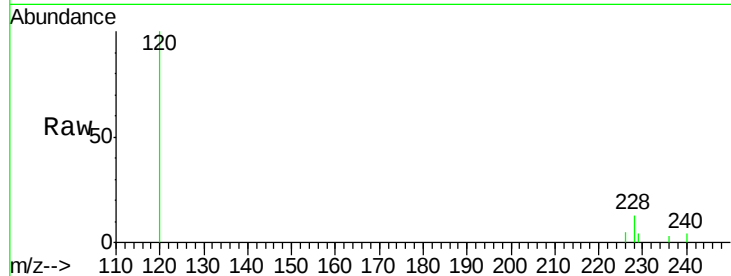
Tgt Ion:228 Resp: 5455

Ion Ratio Lower Upper

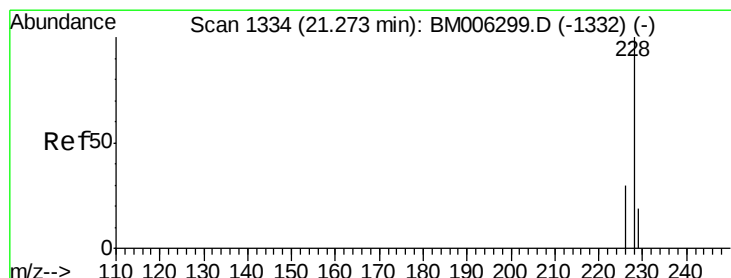
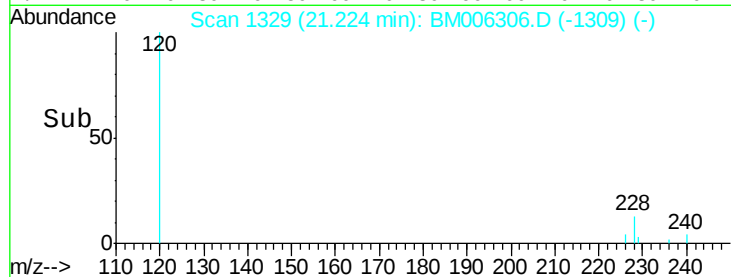
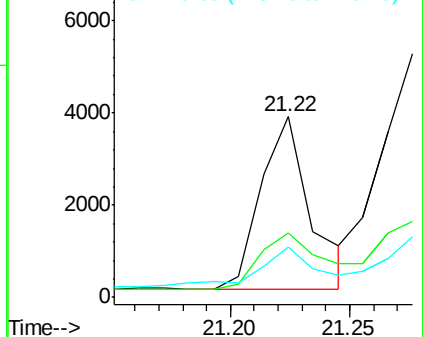
228 100

226 35.3 18.8 28.2#

229 27.7 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: 0.16 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

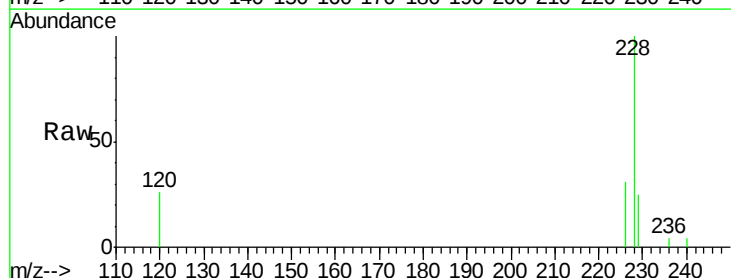
Tgt Ion:228 Resp: 7496

Ion Ratio Lower Upper

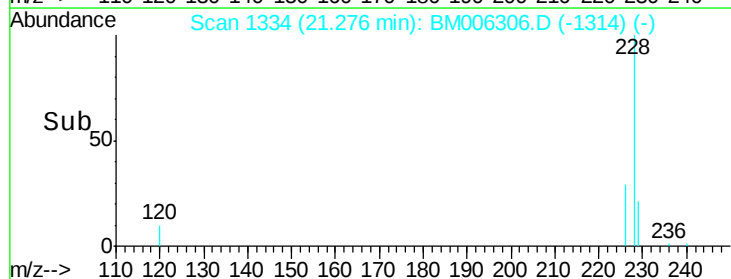
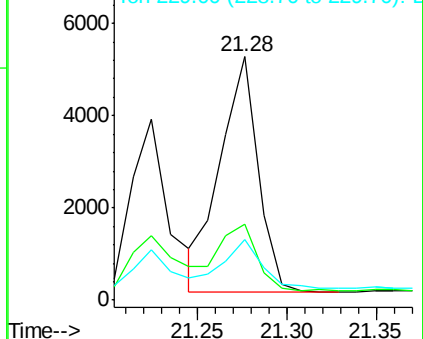
228 100

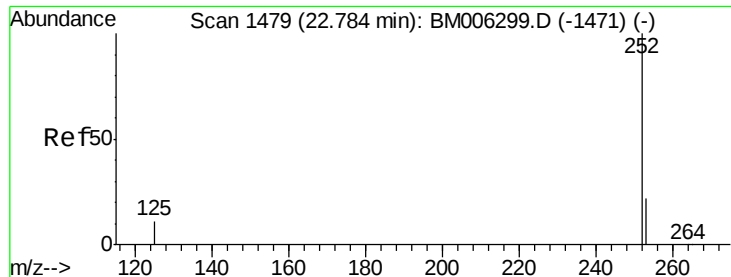
226 31.0 21.2 31.8

229 24.7 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: 0.00 ng/u1

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

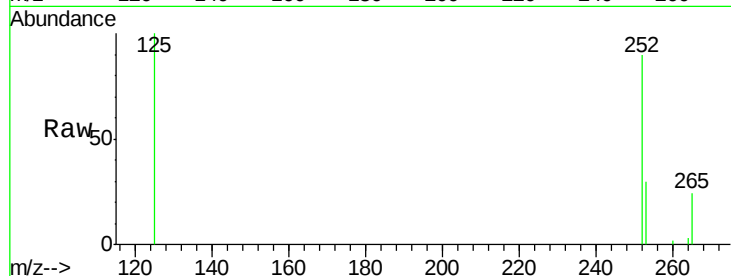
Tgt Ion:252 Resp: 8538

Ion Ratio Lower Upper

252 100

253 33.7 0.0 45.4

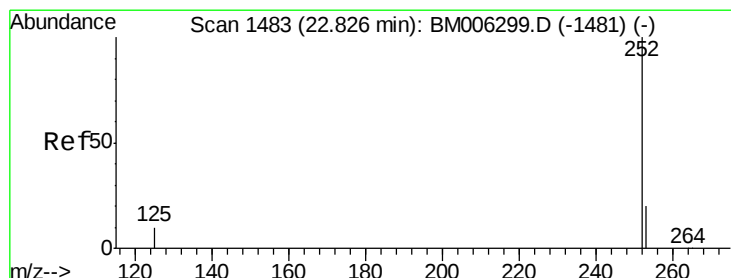
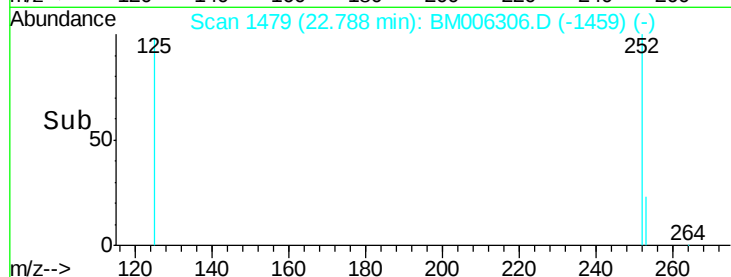
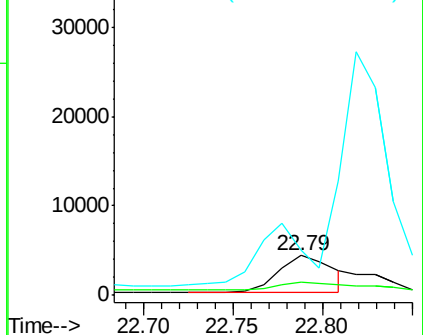
125 111.4 0.0 28.8#



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: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

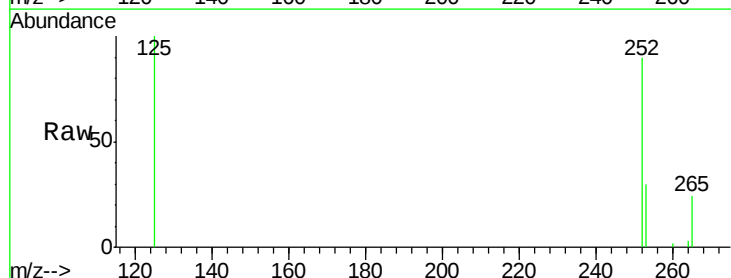
Tgt Ion:252 Resp: 11990

Ion Ratio Lower Upper

252 100

253 33.7 19.8 29.8#

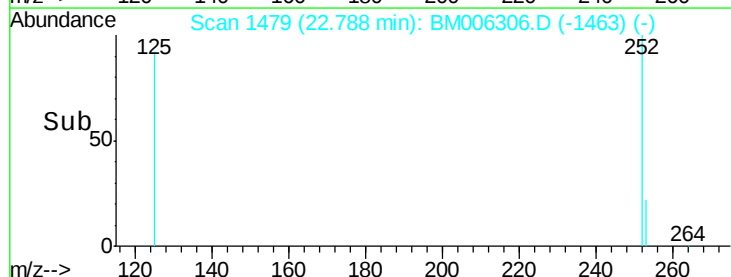
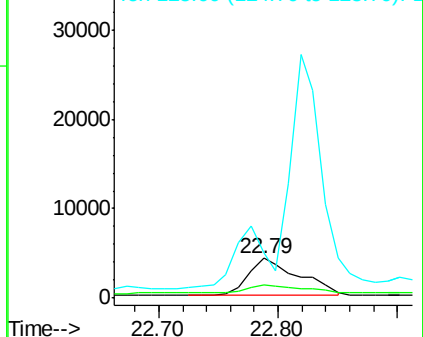
125 111.4 10.4 15.6#

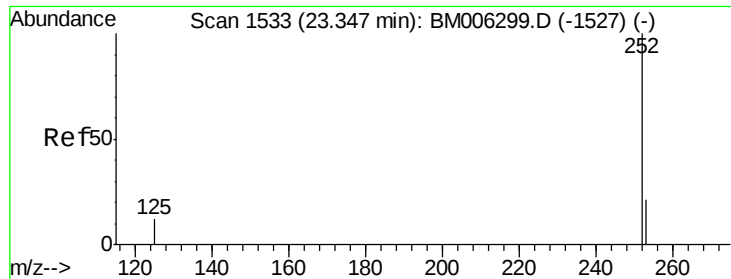


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.26 min Scan# 1524

Delta R.T. -0.09 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

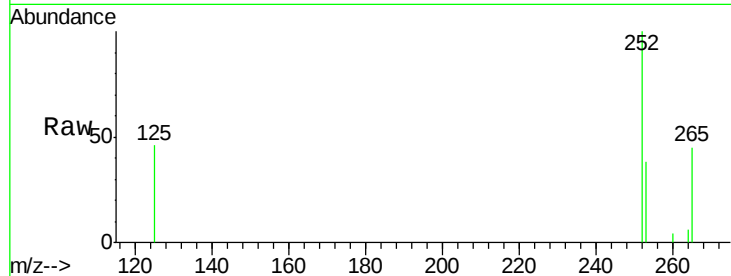
Tgt Ion:252 Resp: 4814

Ion Ratio Lower Upper

252 100

253 38.0 19.4 29.2#

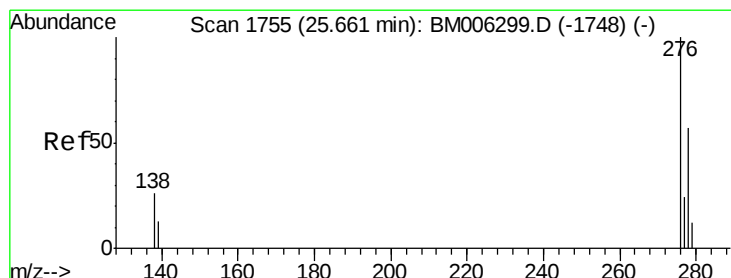
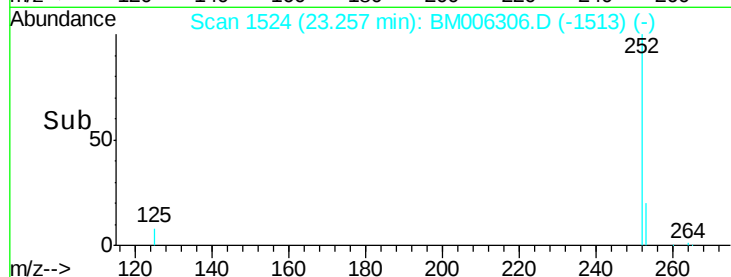
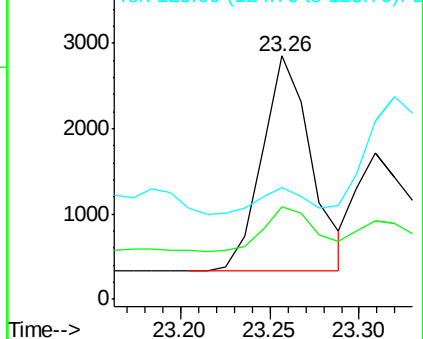
125 46.0 12.7 19.1#



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. -0.15 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

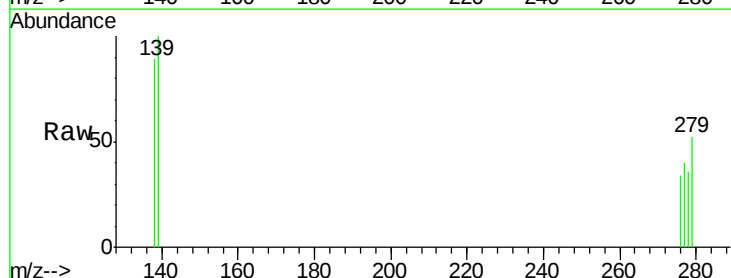
Tgt Ion:276 Resp: 757

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

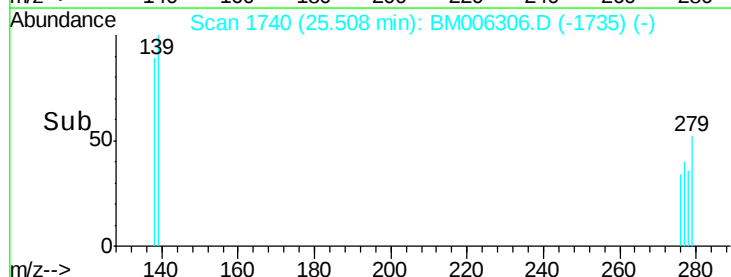
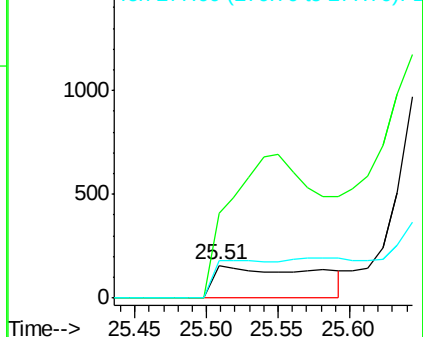
277 0.0 19.8 29.8#

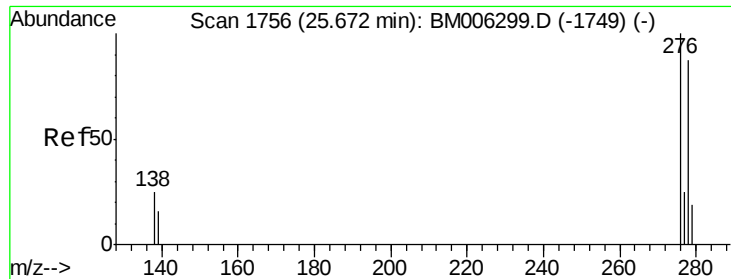


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.51 min Scan# 1740

Delta R.T. -0.16 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

Instrument :

BNA_M

ClientSampleId :

A4TX0

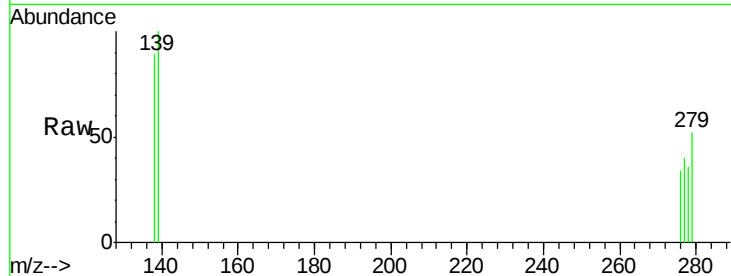
Tgt Ion:278 Resp: 587

Ion Ratio Lower Upper

278 100

139 281.0 16.4 24.6#

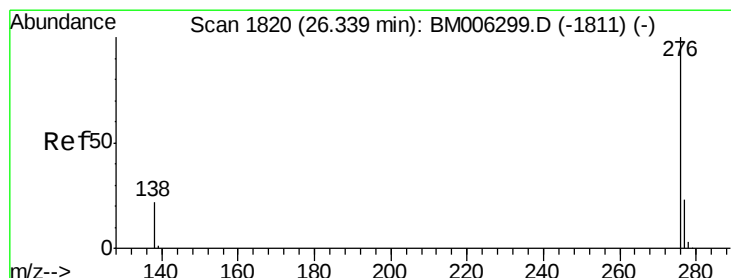
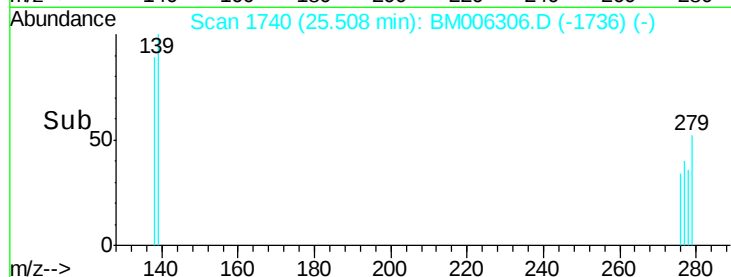
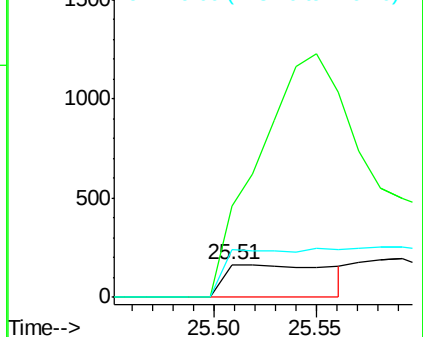
279 147.2 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006306.D

Acq: 07 Jul 2016 05:53

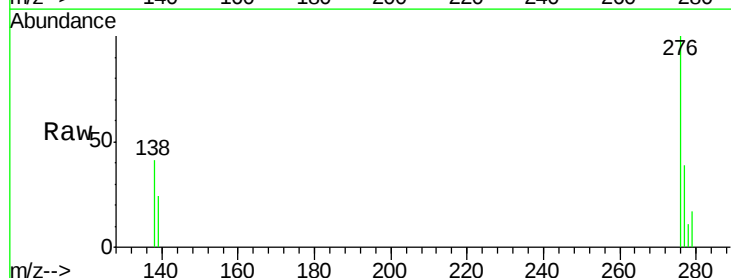
Tgt Ion:276 Resp: 3176

Ion Ratio Lower Upper

276 100

277 39.2 18.9 28.3#

138 40.9 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

