

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006336.D
 Acq On : 08 Jul 2016 01:19
 Operator : UM/SJ
 Sample : H3811-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW4

Quant Time: Jul 08 03:48:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5206	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20299	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	11281	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	23299	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	14940	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	504585	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	3705	1.68	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	3864	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	13545	0.28	ng/ul	-0.01

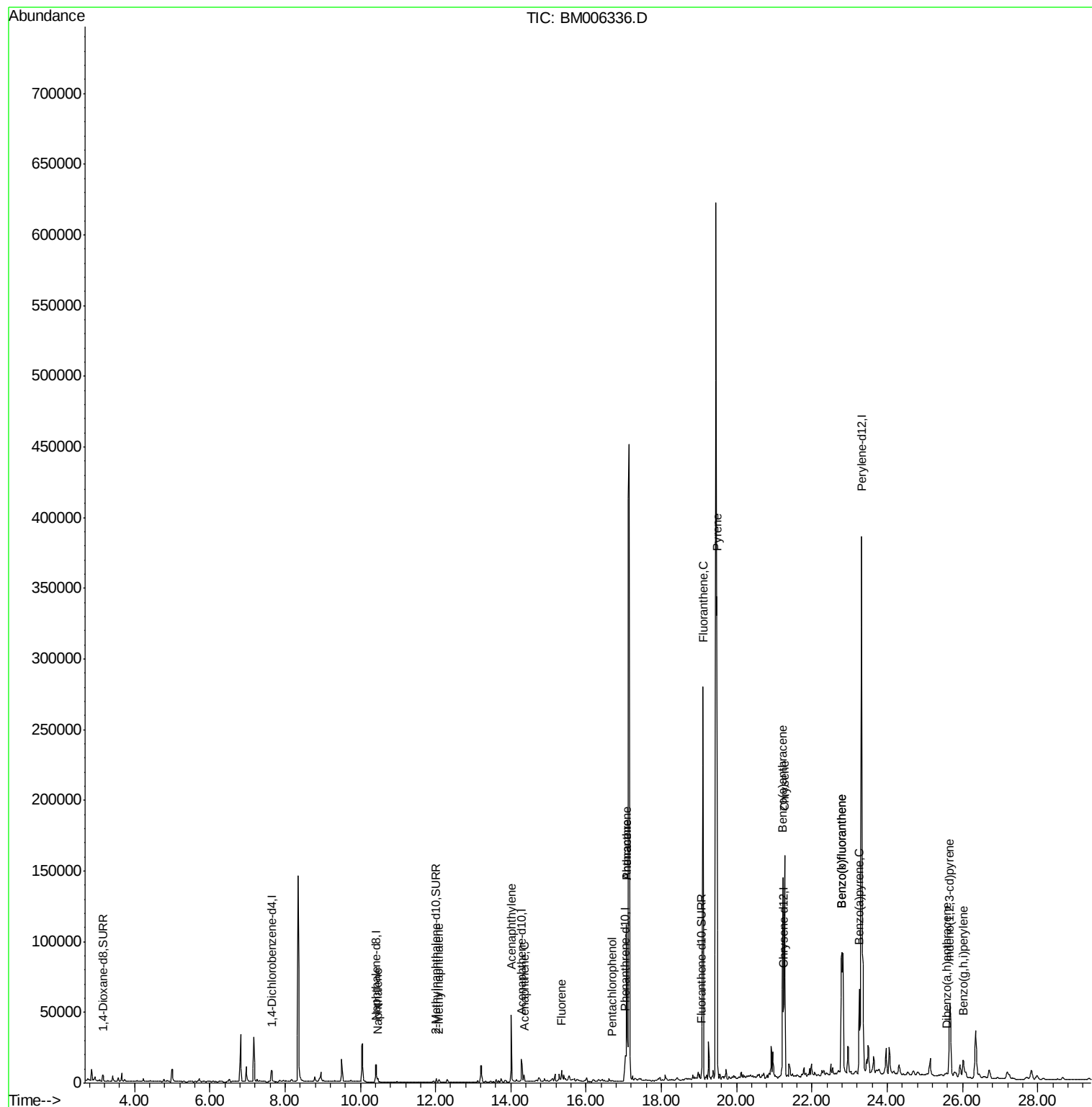
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.46	128	3950	0.08	ng/ul#	91
7) 2-Methylnaphthalene	12.09	142	1976	0.06	ng/ul	97
9) Acenaphthylene	14.01	152	30261	0.80	ng/ul	92
10) Acenaphthene	14.35	153	3100	0.08	ng/ul#	87
11) Fluorene	15.34	166	6640	0.16	ng/ul	84
13) Pentachlorophenol	16.70	266	131	0.04	ng/ul	96
14) Phenanthrene	17.07	178	121096	1.88	ng/ul#	93
15) Anthracene	17.07	178	120961	2.03	ng/ul	96
17) Fluoranthene	19.11	202	290677	4.09	ng/ul	92
19) Pyrene	19.47	202	315048	5.04	ng/ul	96
20) Benzo(a)anthracene	21.22	228	124355	2.57	ng/ul#	91
21) Chrysene	21.27	228	148026	3.12	ng/ul	96
23) Benzo(b)fluoranthene	22.79	252	125394	0.07	ng/ul	92
24) Benzo(k)fluoranthene	22.79	252	185312	0.11	ng/ul#	92
25) Benzo(a)pyrene	23.25	252	89774	0.05	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.66	276	71350	0.04	ng/ul	97
27) Dibenzo(a,h)anthracene	25.59	278	8493	0.01	ng/ul#	16
28) Benzo(g,h,i)perylene	26.02	276	5408	0.00	ng/ul#	29

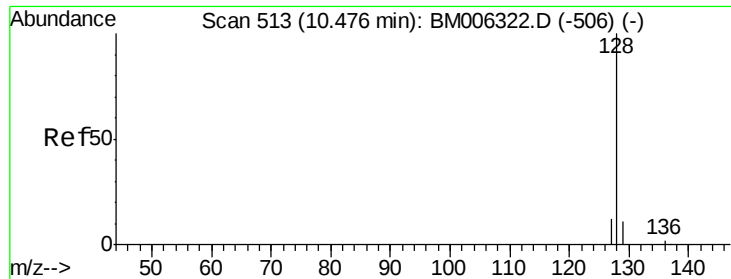
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

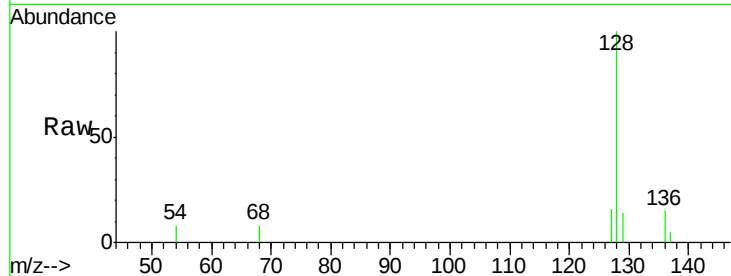
Tgt Ion:128 Resp: 3950

Ion Ratio Lower Upper

128 100

129 14.2 9.0 13.6#

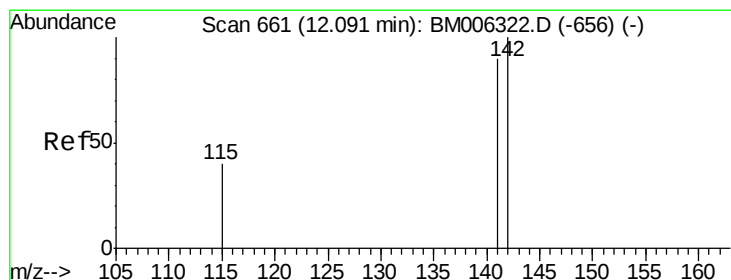
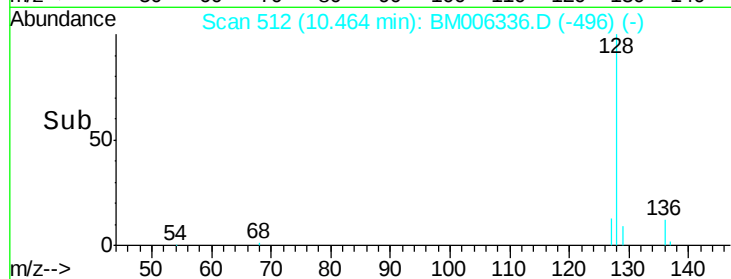
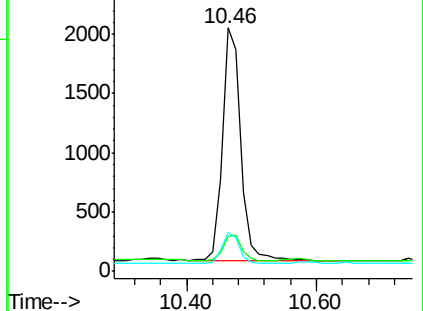
127 16.1 9.6 14.4#



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: BM006336.D

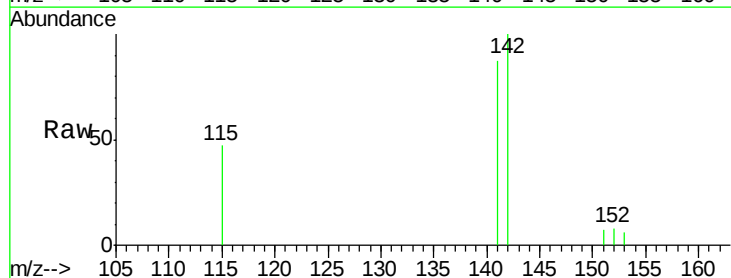
Acq: 08 Jul 2016 01:19

Tgt Ion:142 Resp: 1976

Ion Ratio Lower Upper

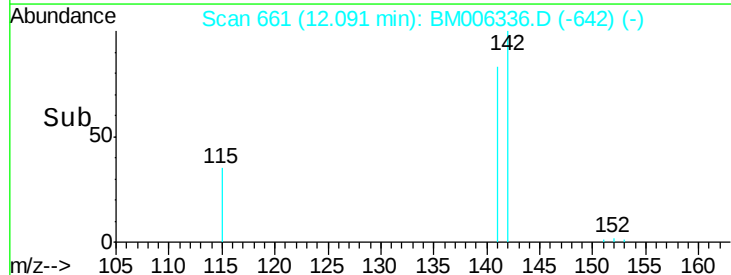
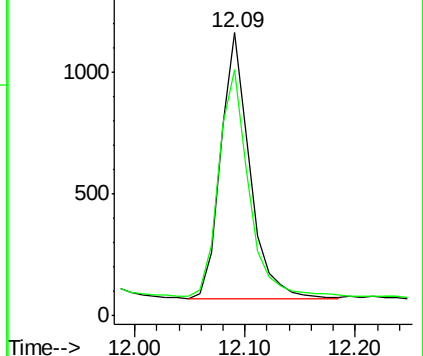
142 100

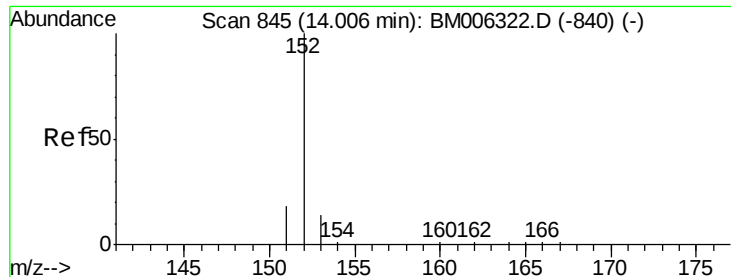
141 90.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.80 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

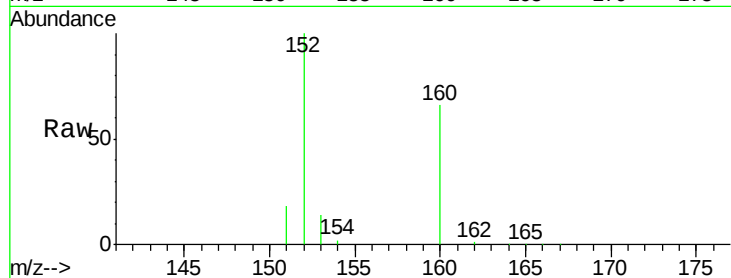
Tgt Ion:152 Resp: 30261

Ion Ratio Lower Upper

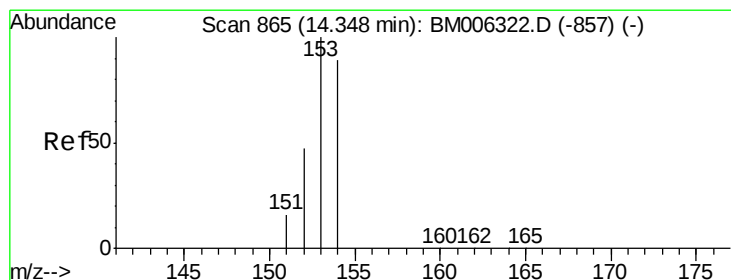
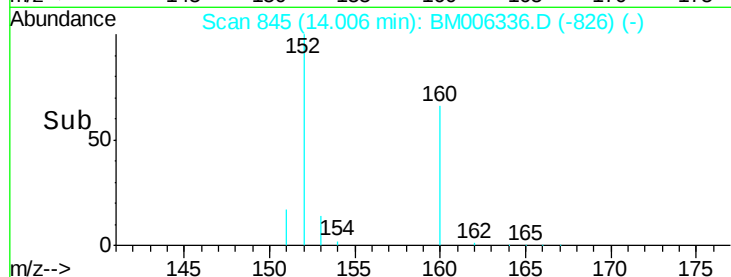
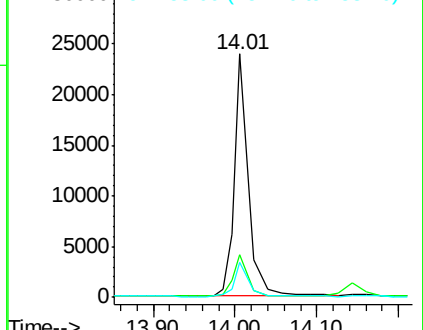
152 100

151 17.8 17.6 26.4

153 14.3 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: 0.08 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

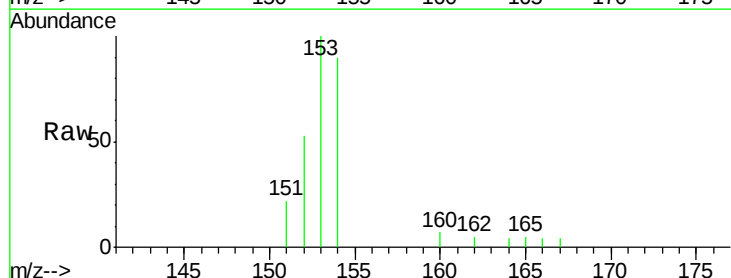
Tgt Ion:153 Resp: 3100

Ion Ratio Lower Upper

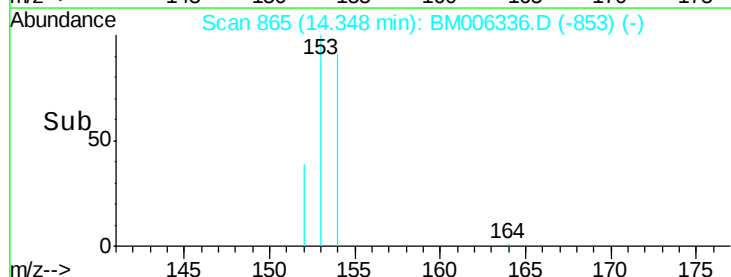
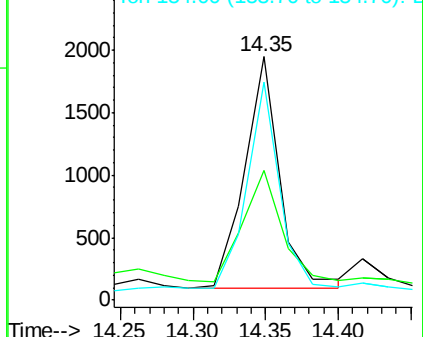
153 100

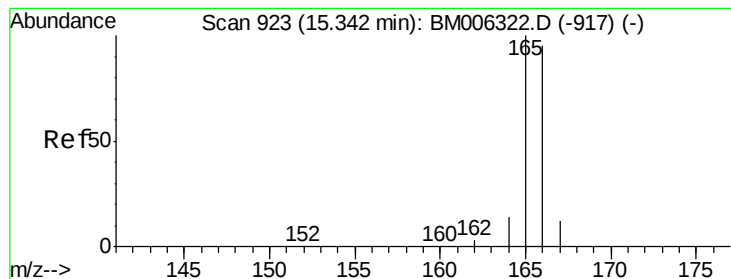
152 53.1 33.9 50.9#

154 89.7 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: 0.16 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

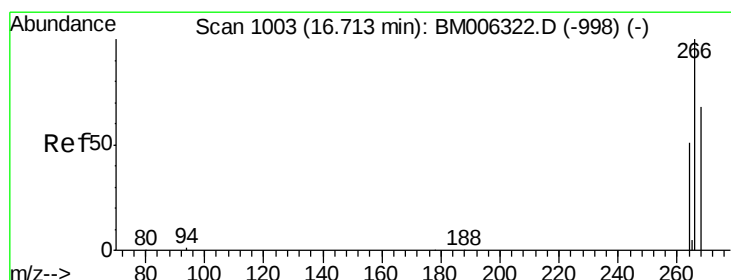
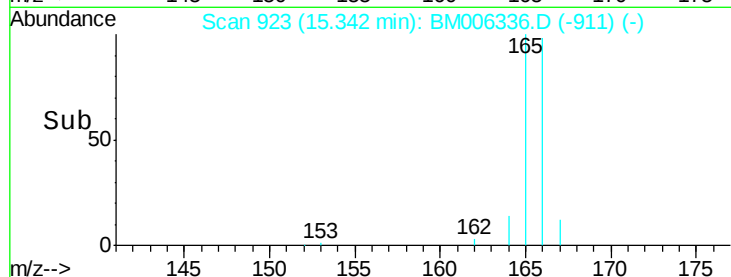
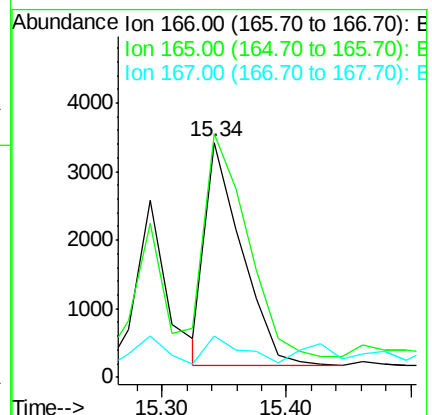
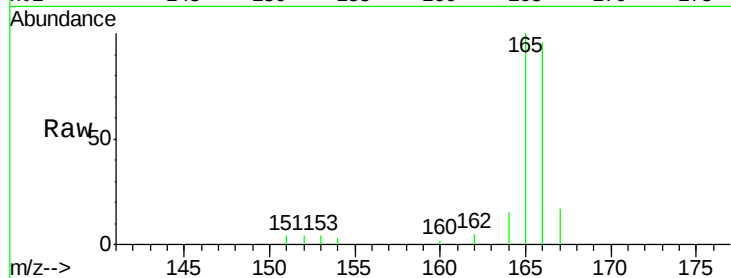
Tgt Ion:166 Resp: 6640

Ion Ratio Lower Upper

166 100

165 103.6 69.6 104.4

167 17.5 11.9 17.9



#13

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.70 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

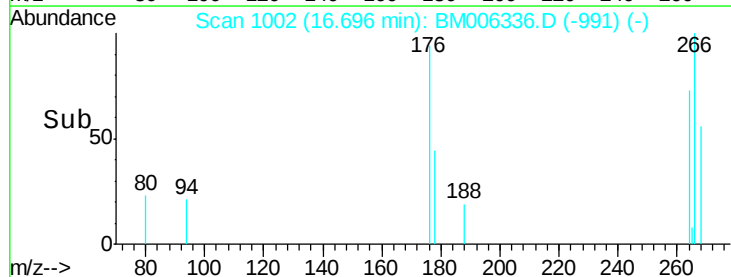
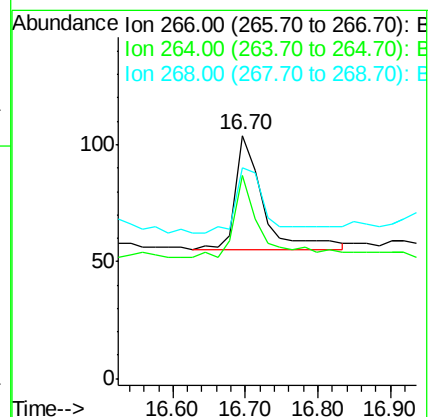
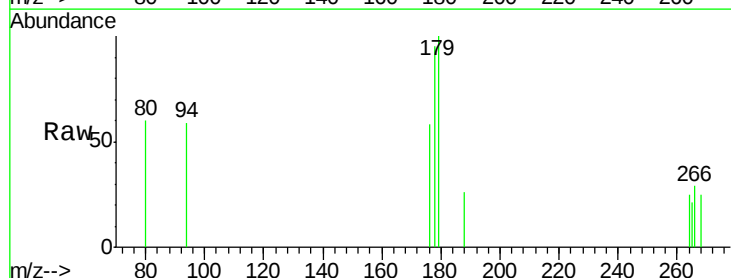
Tgt Ion:266 Resp: 131

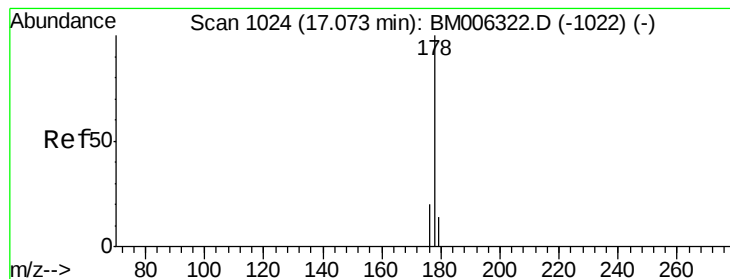
Ion Ratio Lower Upper

266 100

264 65.6 51.8 77.8

268 63.4 46.8 70.2





#14

Phenanthrene

Concen: 1.88 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

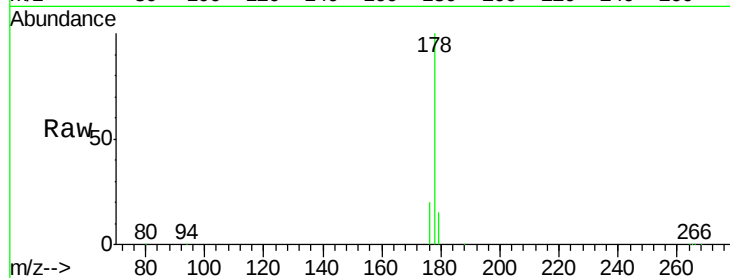
Tgt Ion:178 Resp: 121096

Ion Ratio Lower Upper

178 100

176 19.9 13.0 19.4#

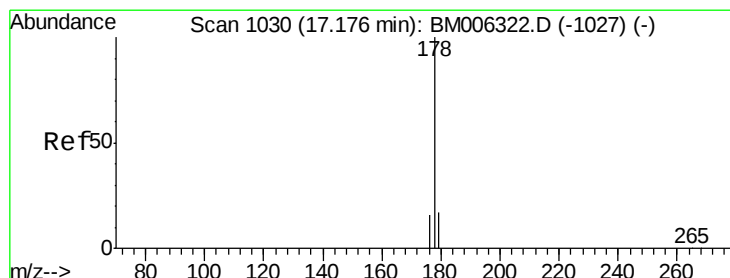
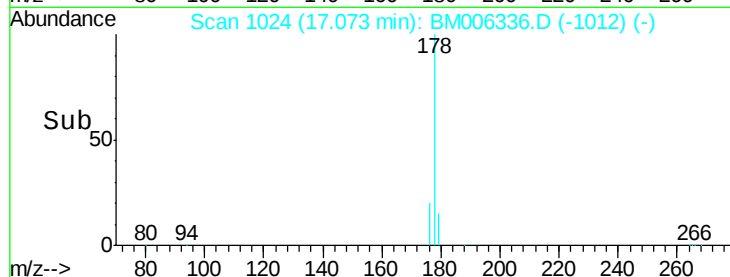
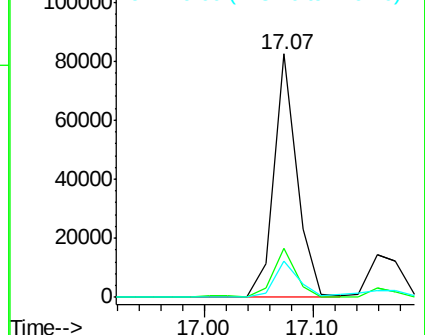
179 14.9 14.2 21.2



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: 2.03 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

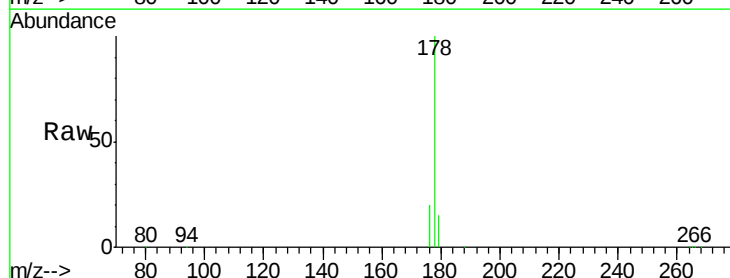
Tgt Ion:178 Resp: 120961

Ion Ratio Lower Upper

178 100

176 19.9 14.0 21.0

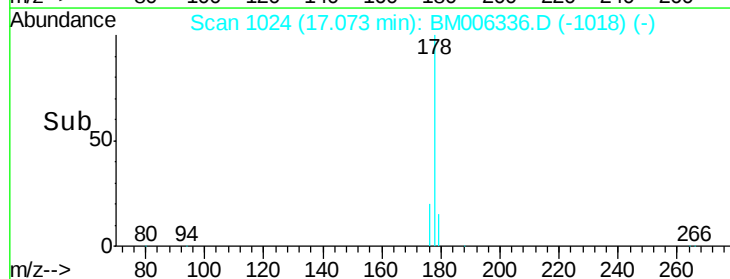
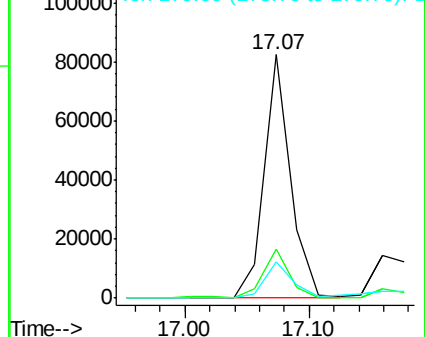
179 14.9 12.9 19.3

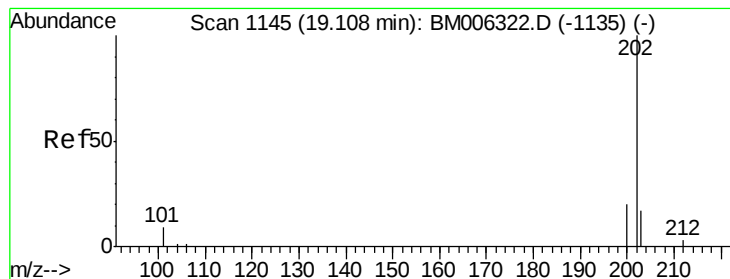


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 4.09 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

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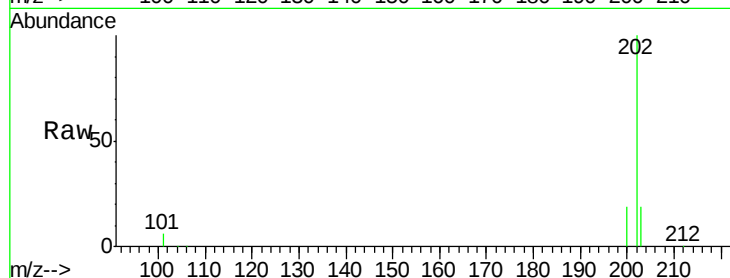
Tgt Ion:202 Resp: 290677

Ion Ratio Lower Upper

202 100

101 6.3 0.0 29.6

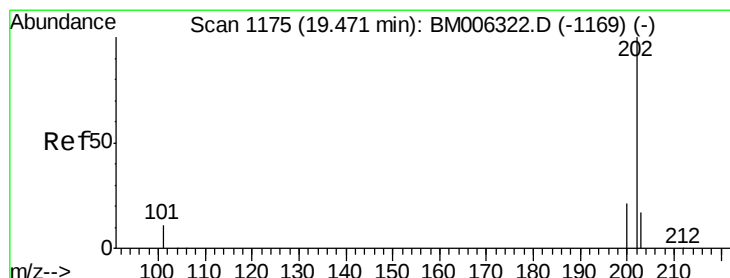
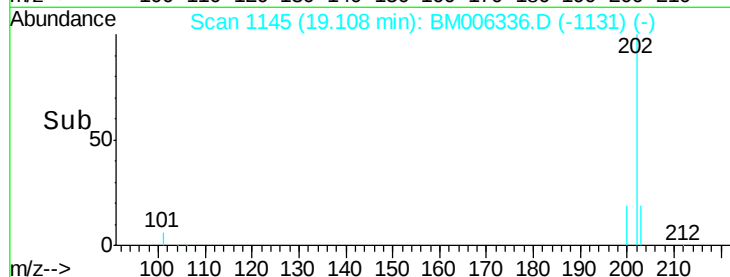
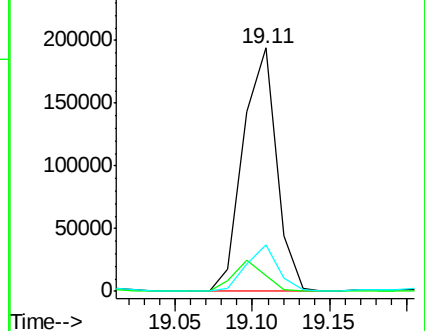
203 19.2 0.0 36.3



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: 5.04 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

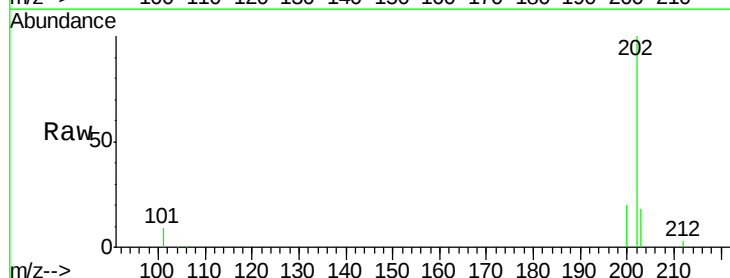
Tgt Ion:202 Resp: 315048

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.8

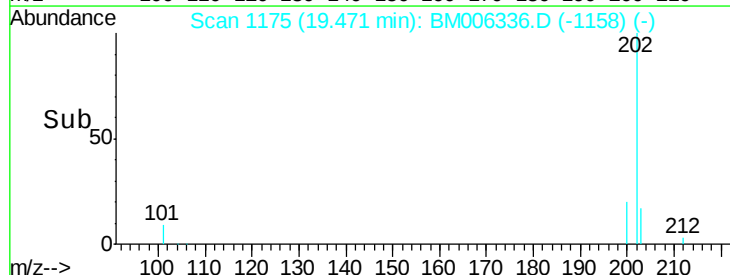
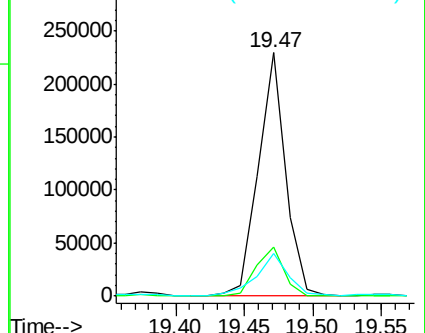
203 17.7 12.8 19.2

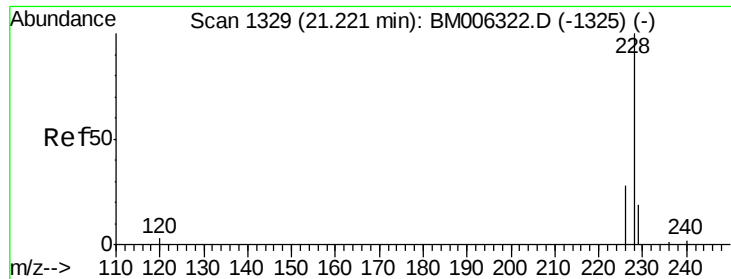


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 2.57 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

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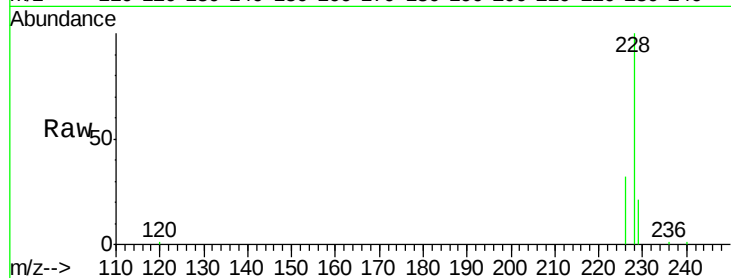
Tgt Ion:228 Resp: 124355

Ion Ratio Lower Upper

228 100

226 31.9 18.8 28.2#

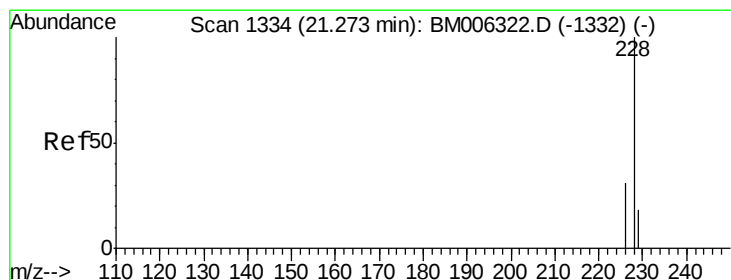
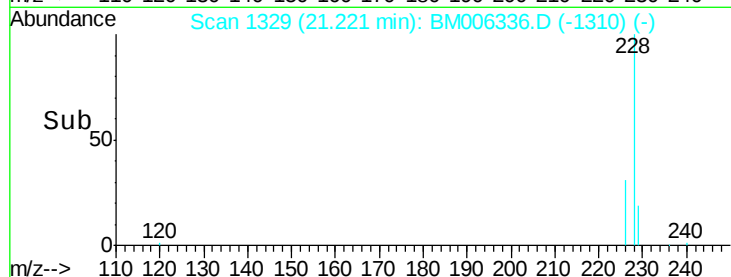
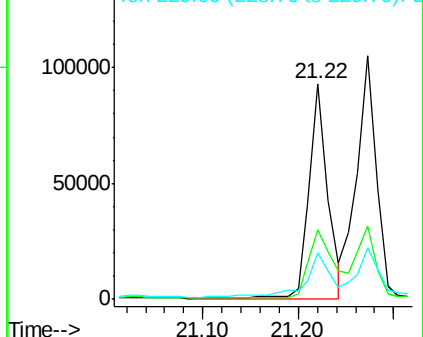
229 21.3 17.1 25.7



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: 3.12 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

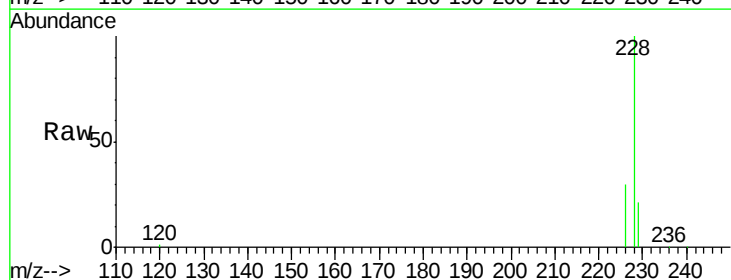
Tgt Ion:228 Resp: 148026

Ion Ratio Lower Upper

228 100

226 30.3 21.2 31.8

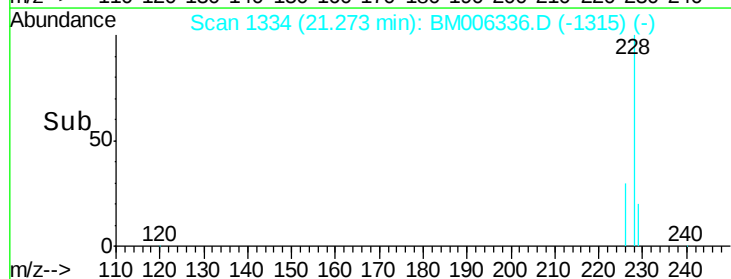
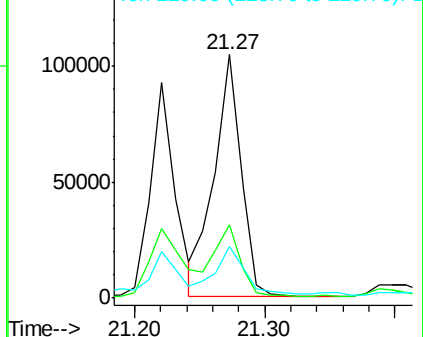
229 21.4 17.0 25.6

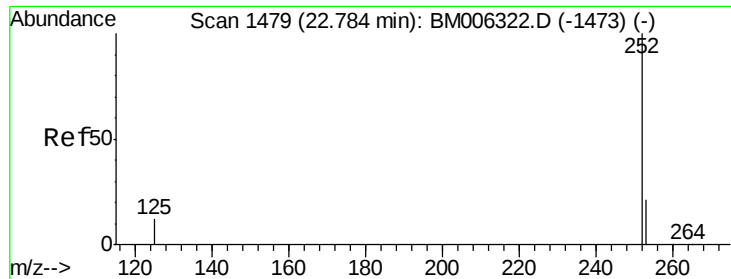


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/u1

RT: 22.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

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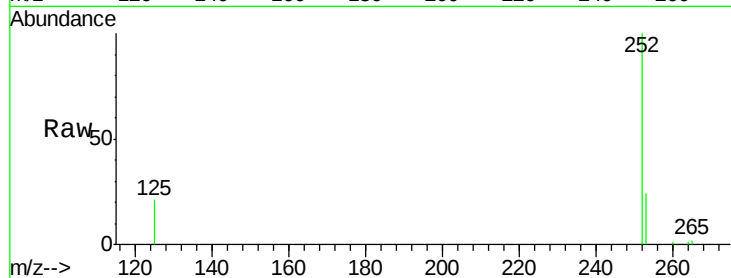
Tgt Ion:252 Resp: 125394

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

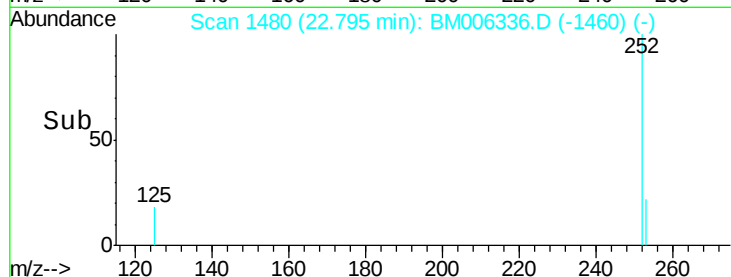
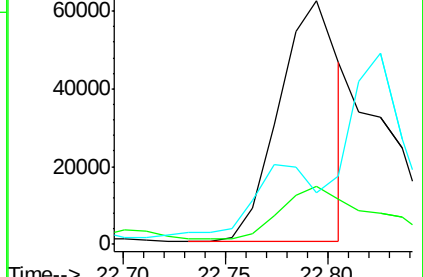
125 21.0 0.0 28.8



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: 0.11 ng/u1

RT: 22.79 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

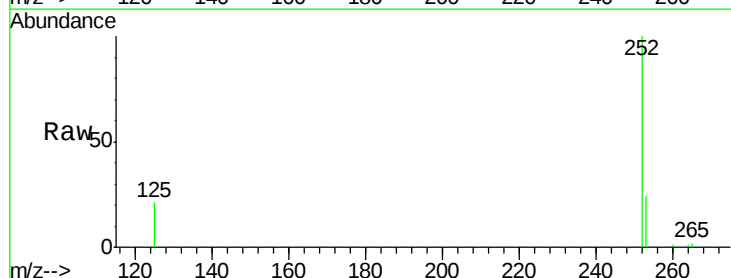
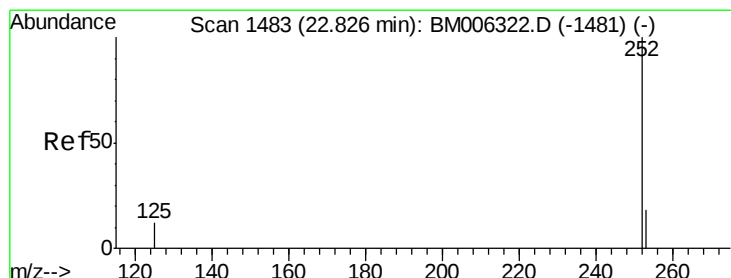
Tgt Ion:252 Resp: 185312

Ion Ratio Lower Upper

252 100

253 23.8 19.8 29.8

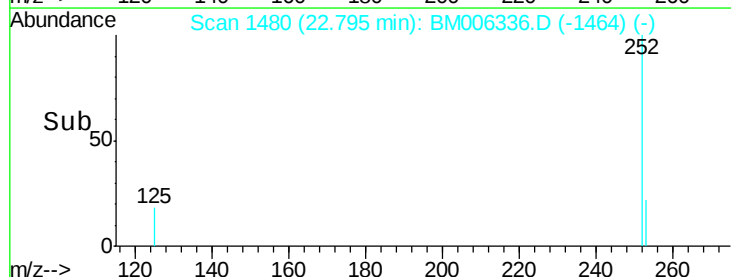
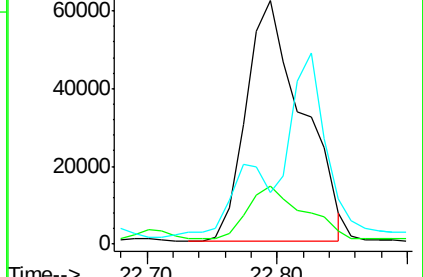
125 21.0 10.4 15.6#

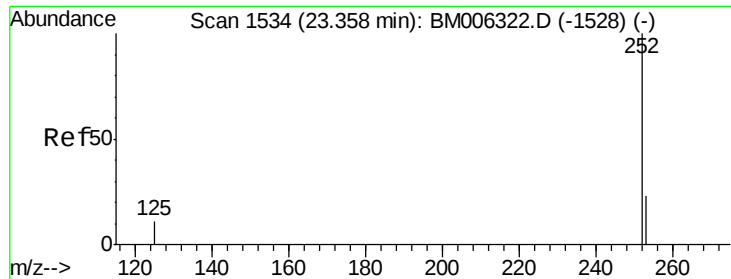


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.25 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

Instrument :

BNA_M

ClientSampleId :

A4TW4

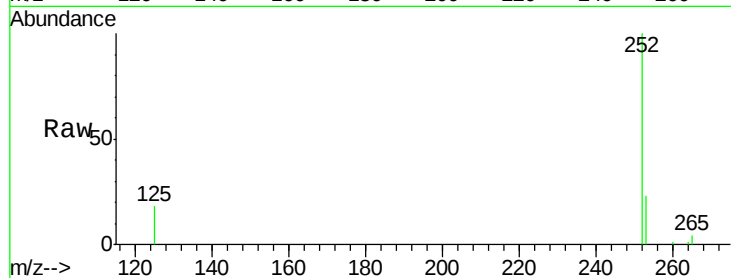
Tgt Ion:252 Resp: 89774

Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.2

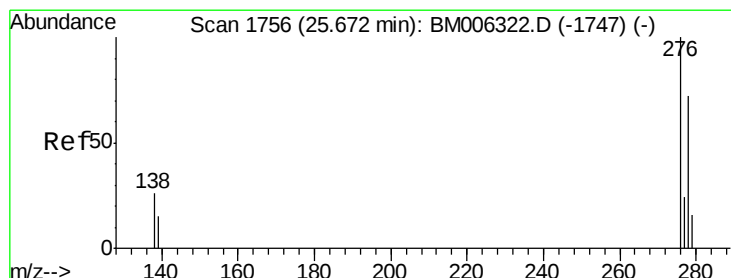
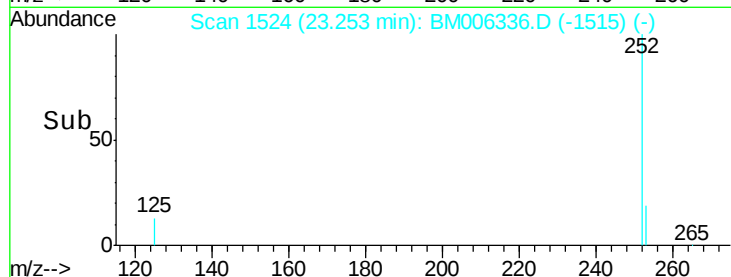
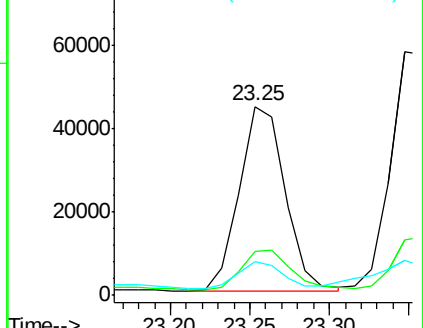
125 18.0 12.7 19.1



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: 0.04 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006336.D

Acq: 08 Jul 2016 01:19

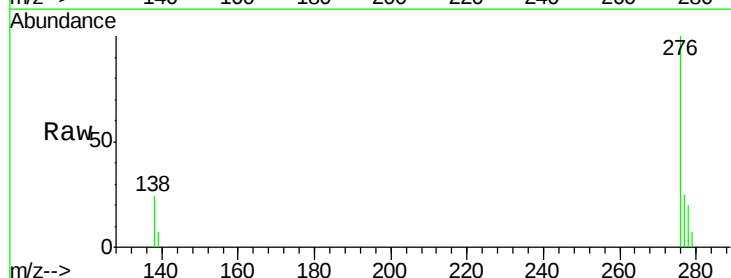
Tgt Ion:276 Resp: 71350

Ion Ratio Lower Upper

276 100

138 19.8 16.3 24.5

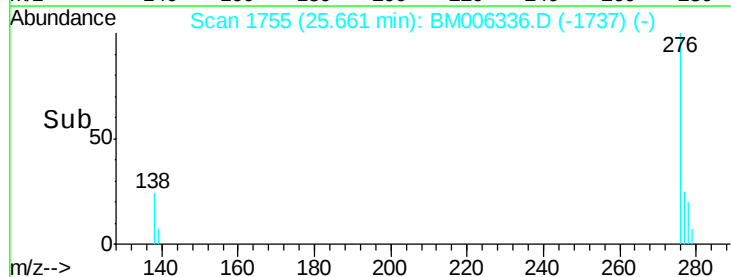
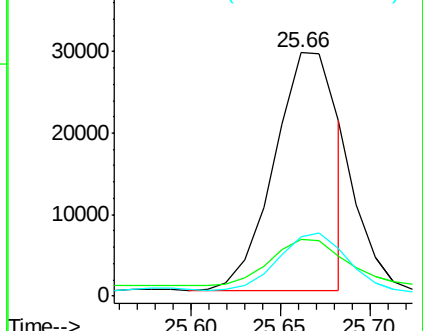
277 22.5 19.8 29.8

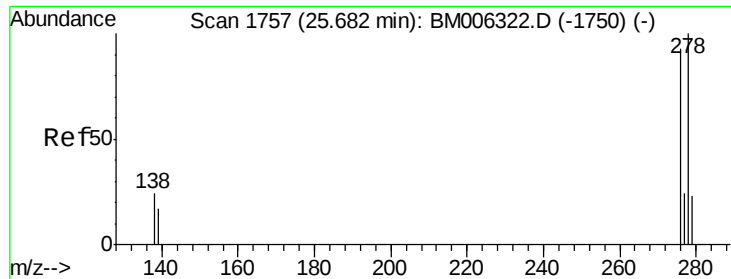


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

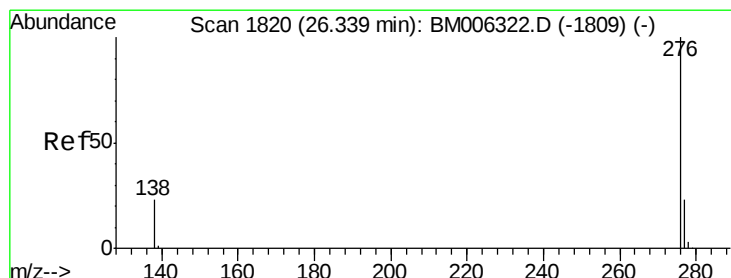
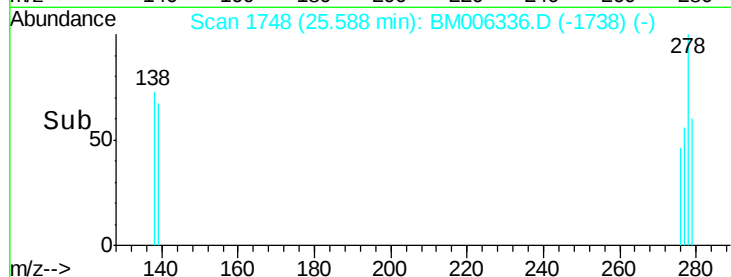
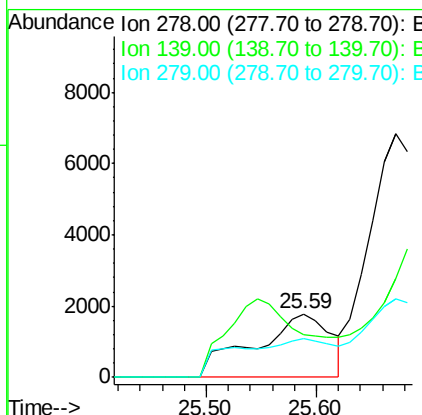
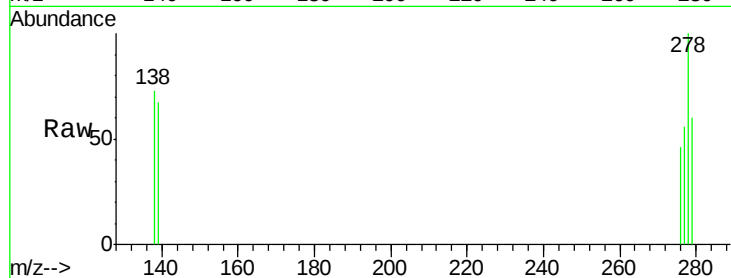




#27
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 25.59 min Scan# 1748
Delta R.T. -0.09 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Instrument :
BNA_M
ClientSampleId :
A4TW4

Tgt Ion: 278 Resp: 8493
Ion Ratio Lower Upper
278 100
139 67.5 16.4 24.6#
279 60.3 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.02 min Scan# 1789
Delta R.T. -0.32 min
Lab File: BM006336.D
Acq: 08 Jul 2016 01:19

Tgt Ion: 276 Resp: 5408
Ion Ratio Lower Upper
276 100
277 52.3 18.9 28.3#
138 71.2 22.5 33.7#

