

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006335.D
 Acq On : 08 Jul 2016 00:43
 Operator : UM/SJ
 Sample : H3811-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW3

Quant Time: Jul 08 03:48:02 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

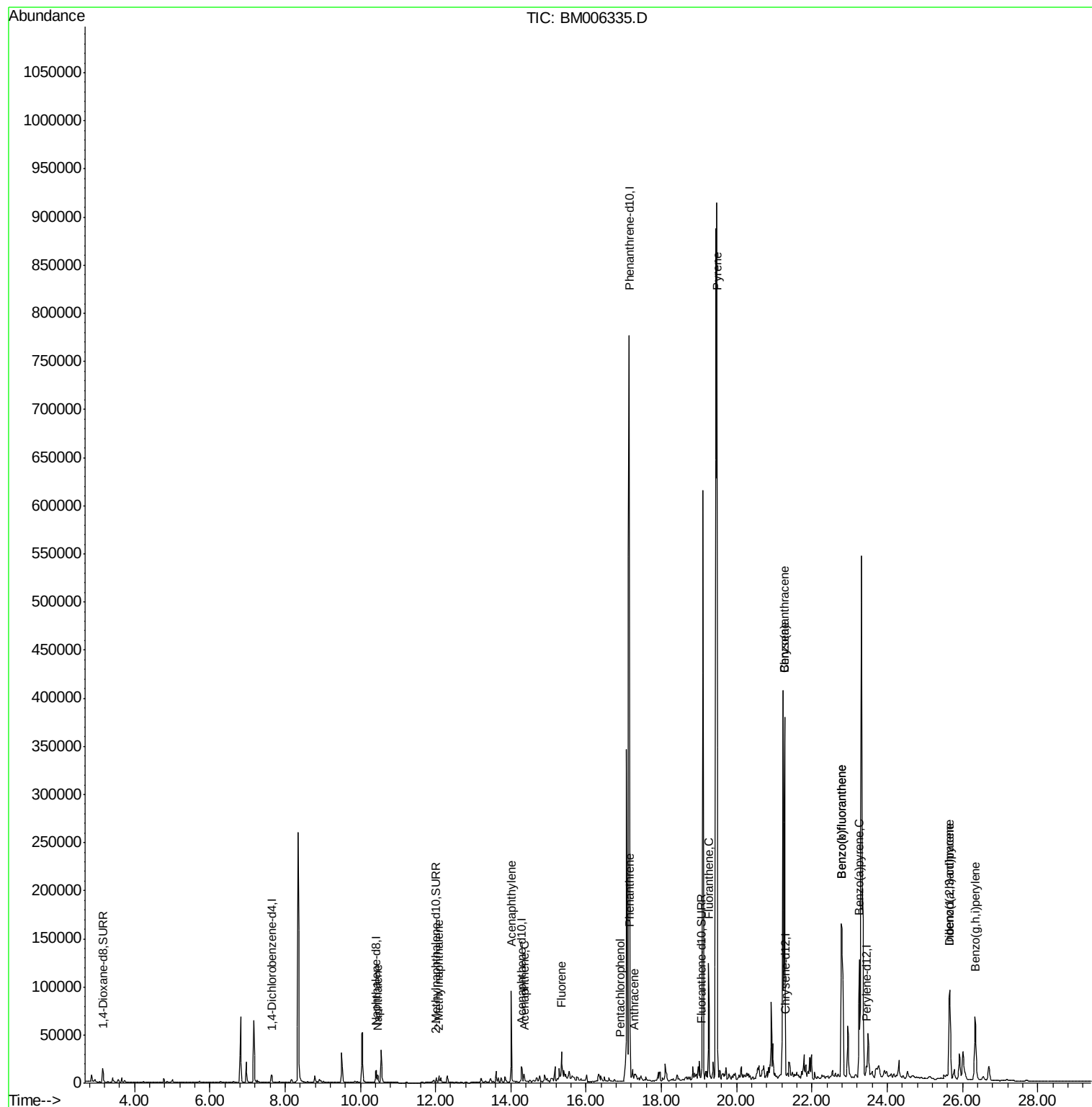
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5028	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20035	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11653	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1165719	0.40	ng/ul	0.10
18) Chrysene-d12	21.29	240	950	0.40	ng/ul	0.05
22) Perylene-d12	23.45	264	14565	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	9855	4.64	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7764	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	15752	0.01	ng/ul	-0.01
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	11818	0.25	ng/ul	97
7) 2-Methylnaphthalene	12.09	142	6284	0.20	ng/ul	100
9) Acenaphthylene	14.01	152	60774	1.55	ng/ul	92
10) Acenaphthene	14.35	153	5893	0.15	ng/ul	89
11) Fluorene	15.34	166	33713	0.77	ng/ul#	83
13) Pentachlorophenol	16.92	266	15	0.00	ng/ul#	41
14) Phenanthrene	17.16	178	88573	0.03	ng/ul#	89
15) Anthracene	17.28	178	9814	0.00	ng/ul#	1
17) Fluoranthene	19.25	202	125146	0.04	ng/ul	97
19) Pyrene	19.47	202	799339	200.93	ng/ul	97
20) Benzo(a)anthracene	21.27	228	363080	118.06	ng/ul#	94
21) Chrysene	21.27	228	363462	120.59	ng/ul	97
23) Benzo(b)fluoranthene	22.78	252	394602	7.57	ng/ul	97
24) Benzo(k)fluoranthene	22.78	252	394602	8.13	ng/ul	96
25) Benzo(a)pyrene	23.25	252	174663	3.60	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.66	276	148219	2.75	ng/ul	97
27) Dibenzo(a,h)anthracene	25.66	278	44731	1.06	ng/ul	97
28) Benzo(g,h,i)perylene	26.34	276	136765	3.00	ng/ul#	94

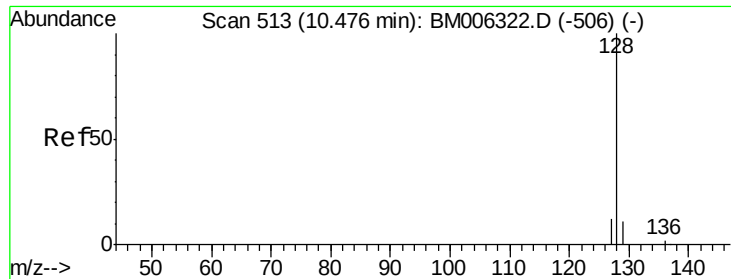
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.25 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampleId :

A4TW3

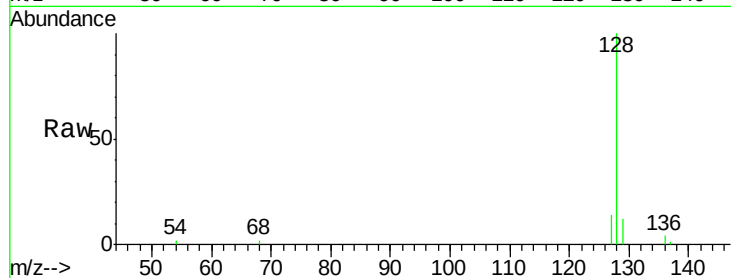
Tgt Ion:128 Resp: 11818

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

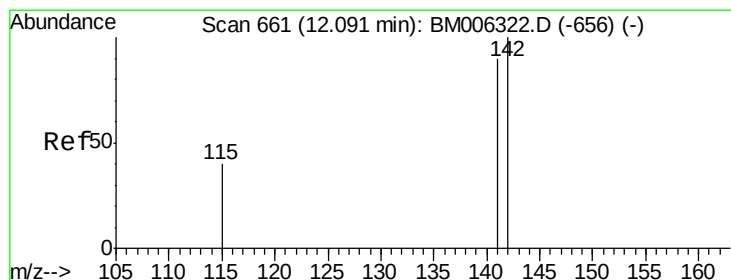
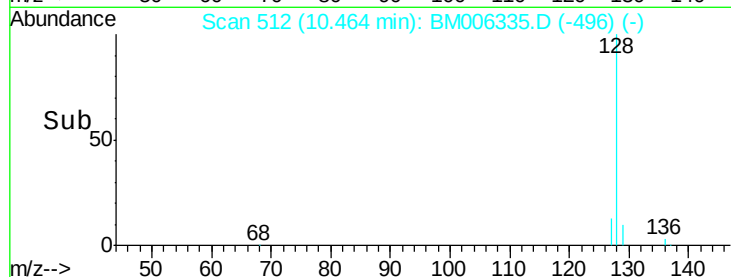
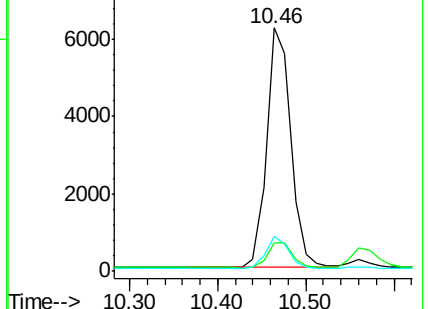
127 14.3 9.6 14.4



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: 0.20 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006335.D

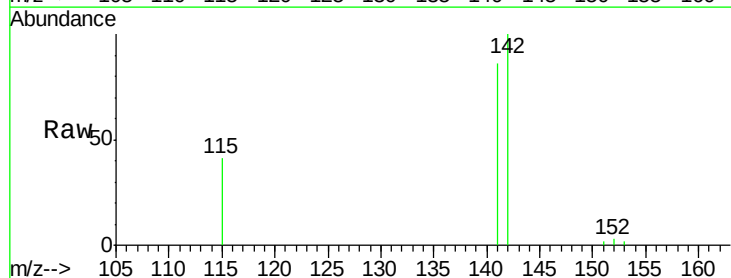
Acq: 08 Jul 2016 00:43

Tgt Ion:142 Resp: 6284

Ion Ratio Lower Upper

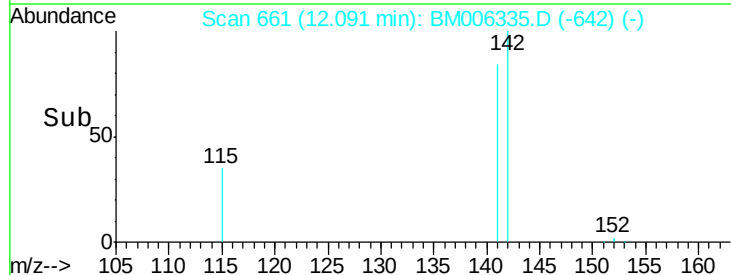
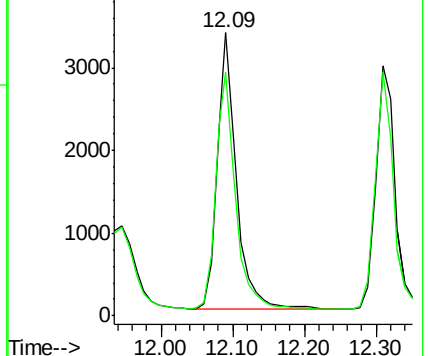
142 100

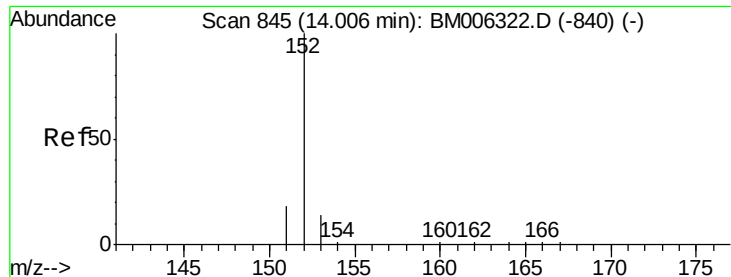
141 87.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 1.55 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampleId :

A4TW3

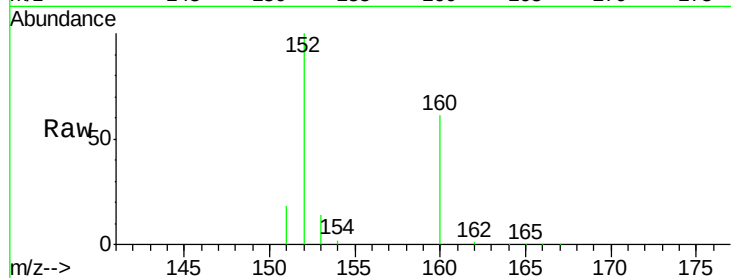
Tgt Ion:152 Resp: 60774

Ion Ratio Lower Upper

152 100

151 17.7 17.6 26.4

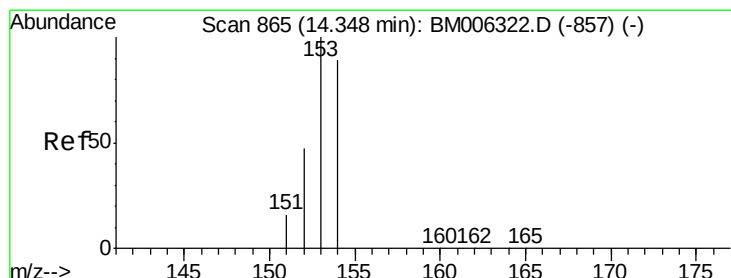
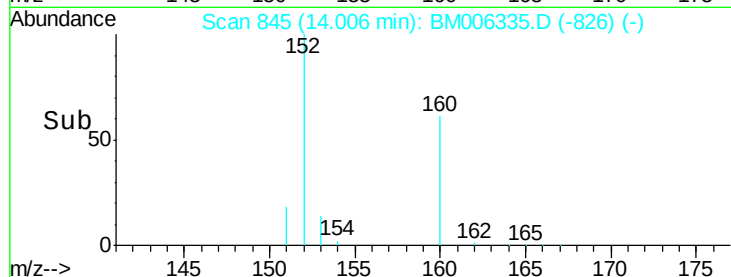
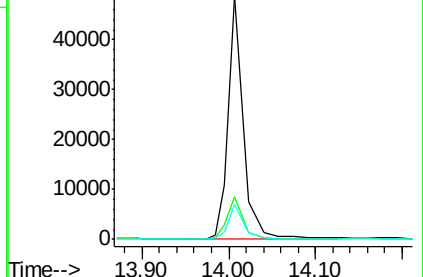
153 14.4 9.7 14.5



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: 0.15 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

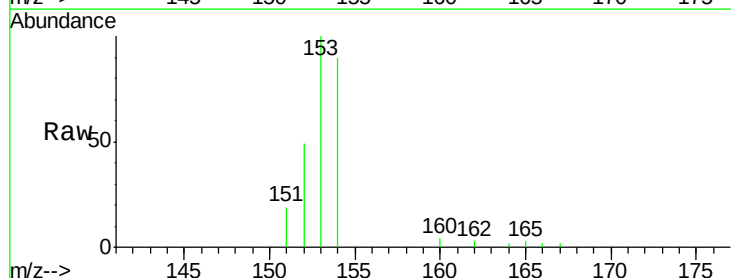
Tgt Ion:153 Resp: 5893

Ion Ratio Lower Upper

153 100

152 48.9 33.9 50.9

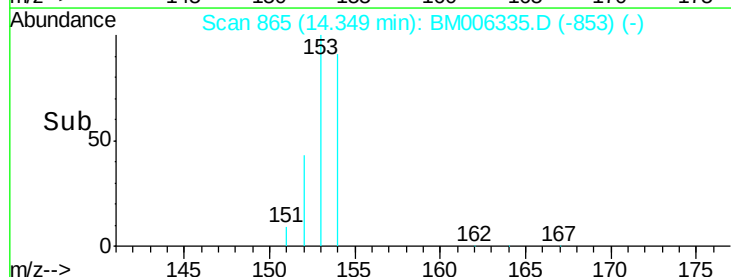
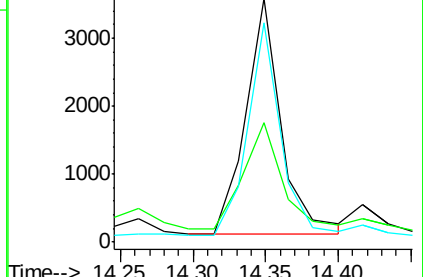
154 90.1 80.6 121.0

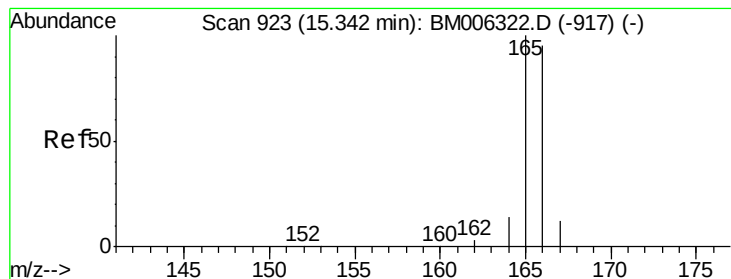


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.77 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampleId :

A4TW3

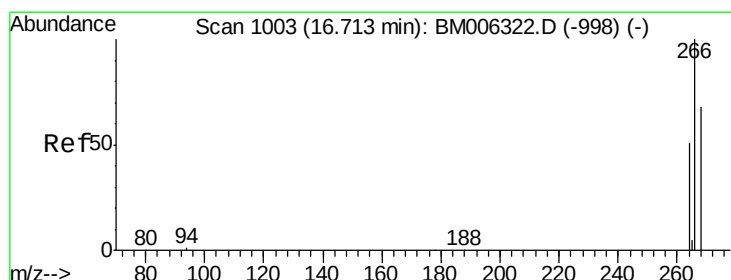
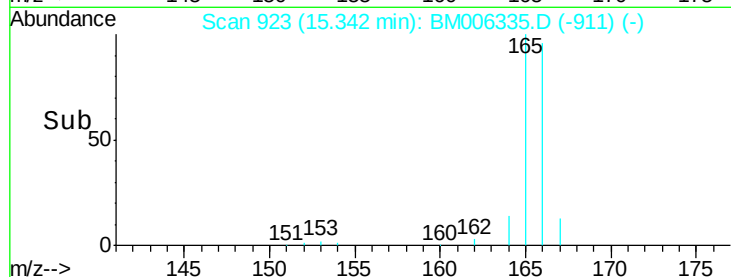
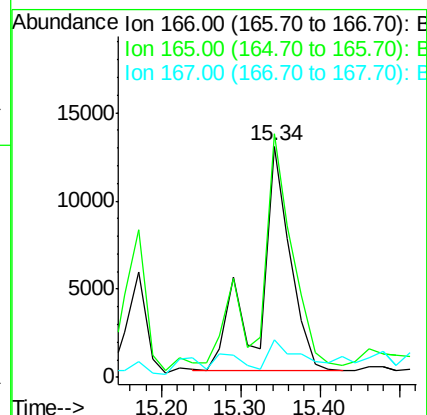
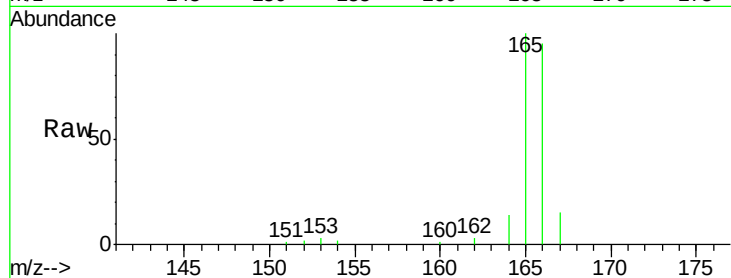
Tgt Ion:166 Resp: 33713

Ion Ratio Lower Upper

166 100

165 105.4 69.6 104.4#

167 16.1 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. 0.21 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

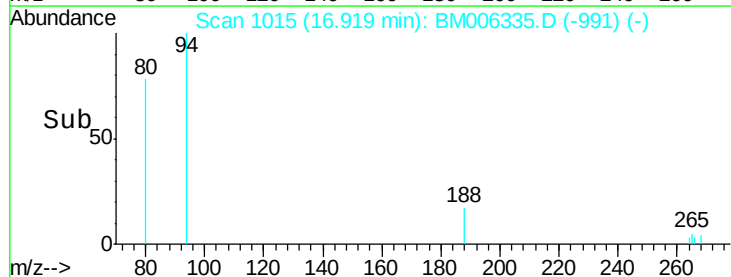
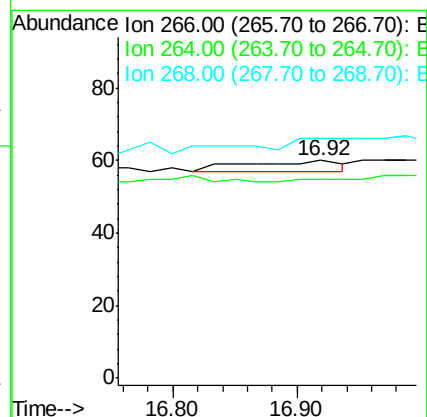
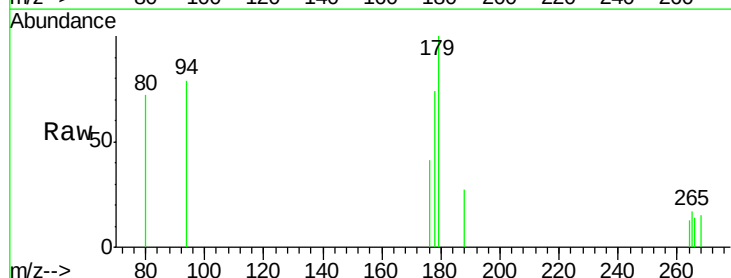
Tgt Ion:266 Resp: 15

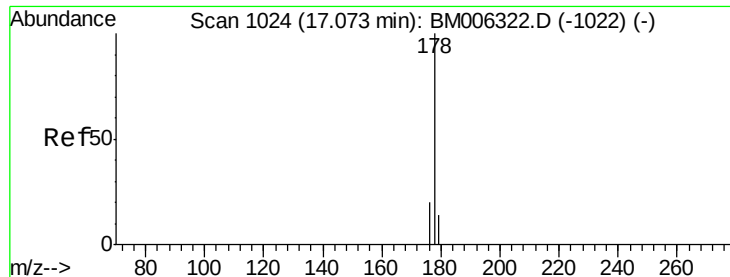
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 33.3 46.8 70.2#





#14

Phenanthrene

Concen: 0.03 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampleId :

A4TW3

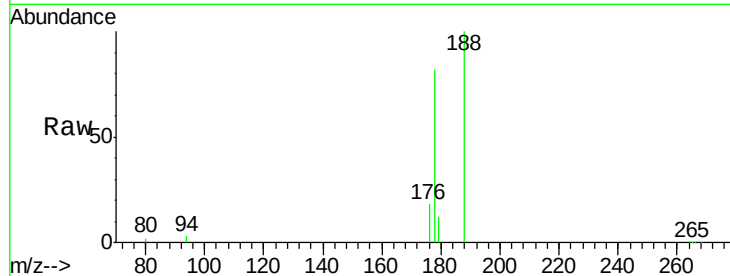
Tgt Ion:178 Resp: 88573

Ion Ratio Lower Upper

178 100

176 22.1 13.0 19.4#

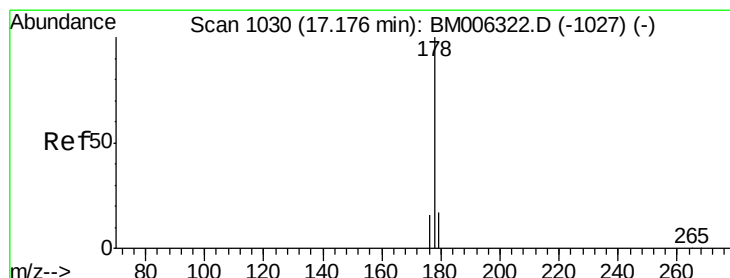
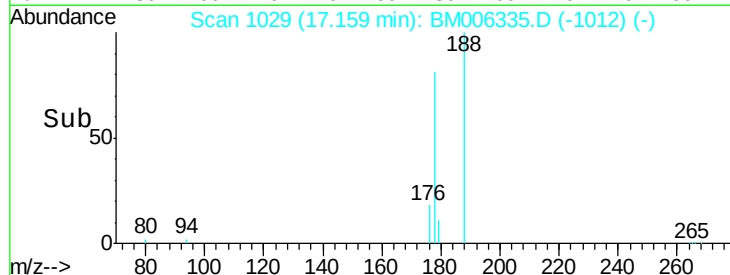
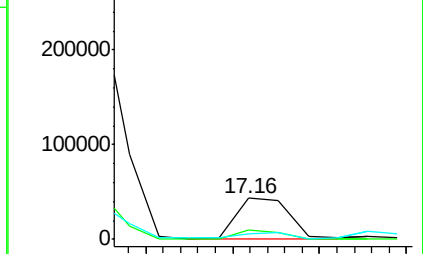
179 14.3 14.2 21.2



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: 17.28 min Scan# 1036

Delta R.T. 0.10 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

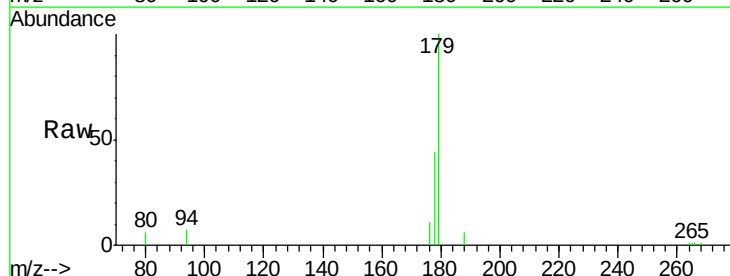
Tgt Ion:178 Resp: 9814

Ion Ratio Lower Upper

178 100

176 24.1 14.0 21.0#

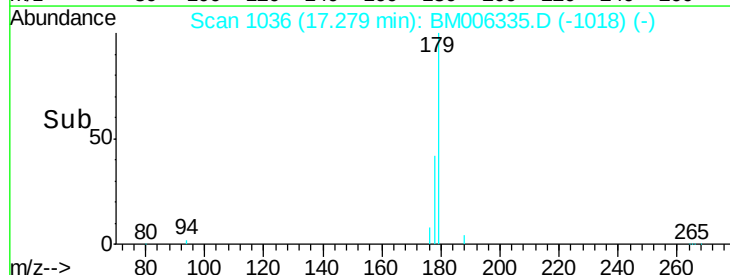
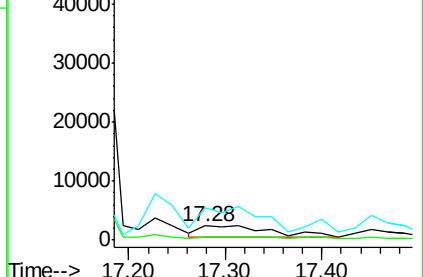
179 227.8 12.9 19.3#

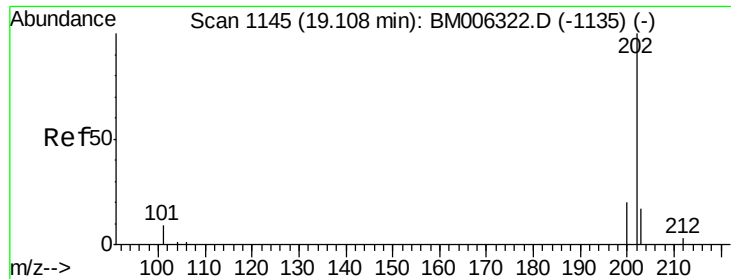


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

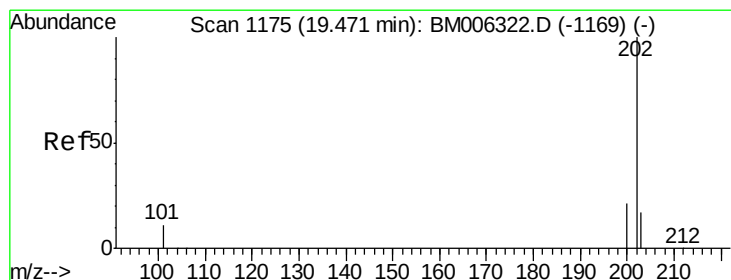
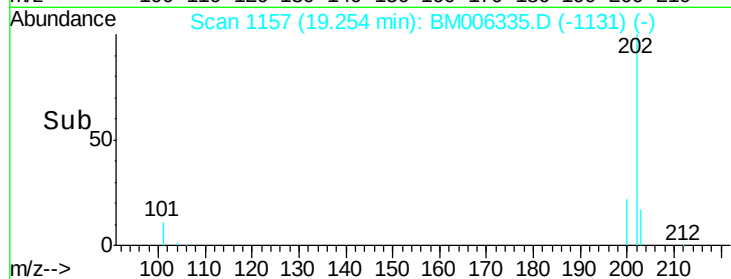
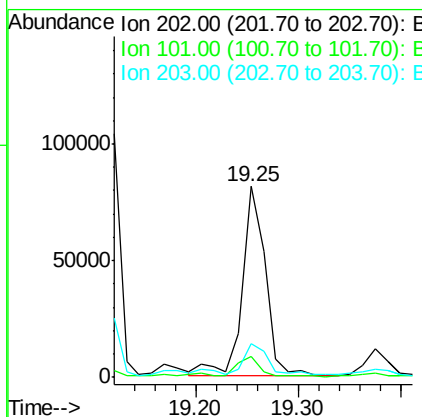
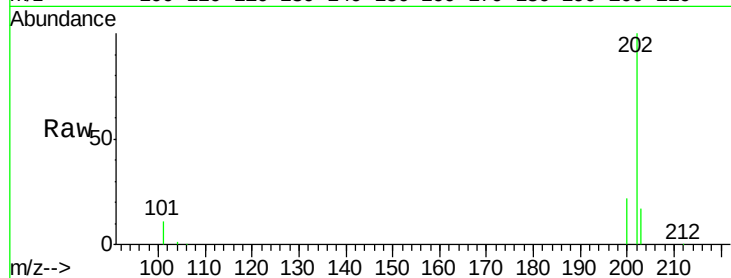




#17
Fluoranthene
Concen: 0.04 ng/ul
RT: 19.25 min Scan# 1157
Delta R.T. 0.15 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

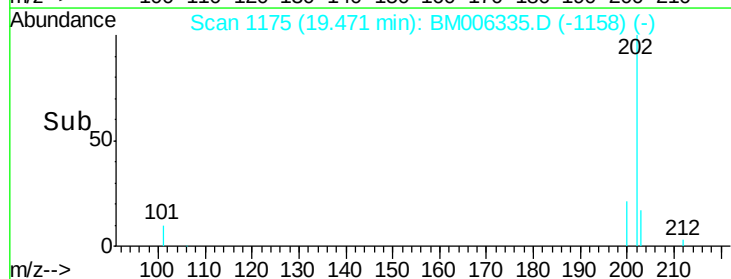
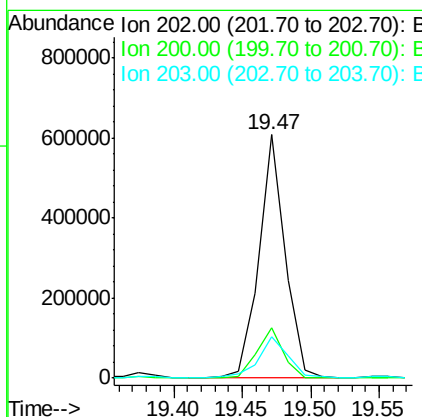
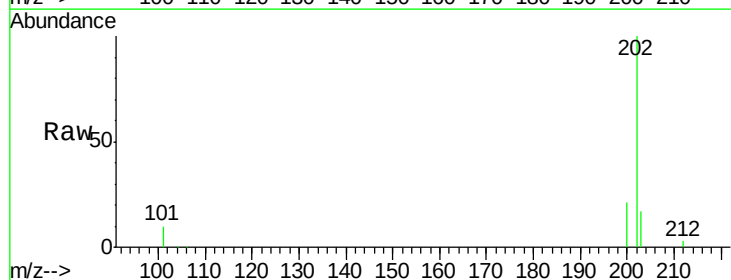
Instrument :
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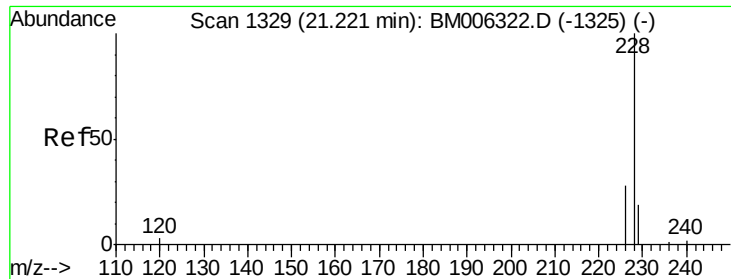
Tgt Ion:202 Resp: 125146
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 17.4 0.0 36.3



#19
Pyrene
Concen: 200.93 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion:202 Resp: 799339
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.8
203 17.0 12.8 19.2





#20

Benzo(a)anthracene

Concen: 118.06 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.05 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampleId :

A4TW3

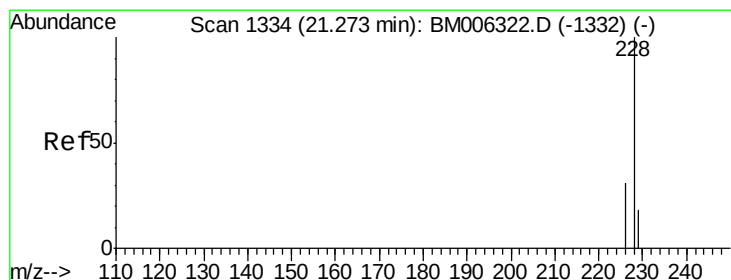
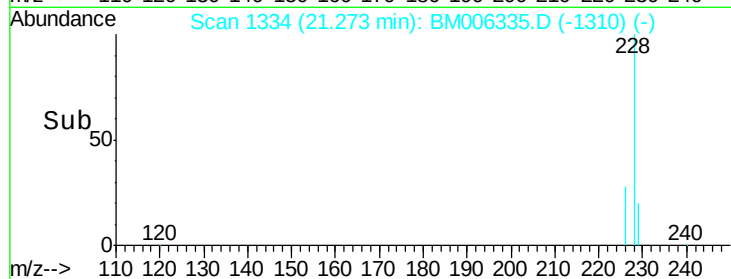
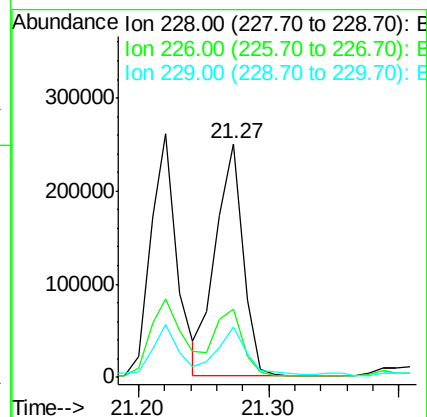
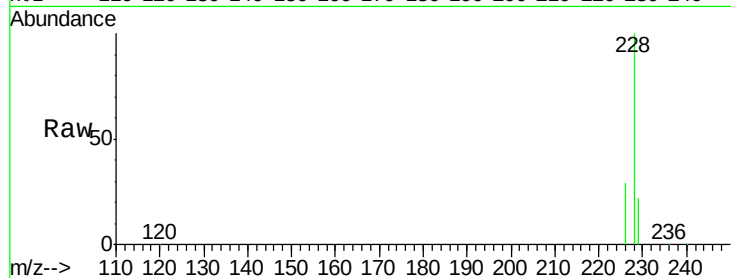
Tgt Ion:228 Resp: 363080

Ion Ratio Lower Upper

228 100

226 29.2 18.8 28.2#

229 21.6 17.1 25.7



#21

Chrysene

Concen: 120.59 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

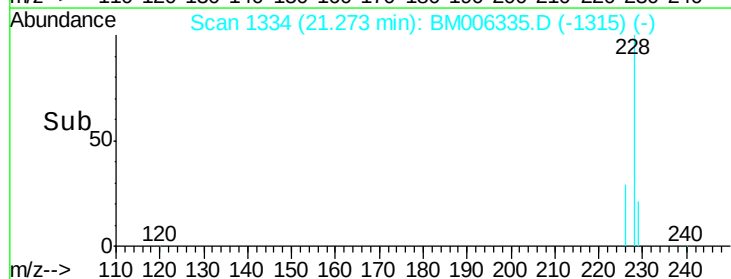
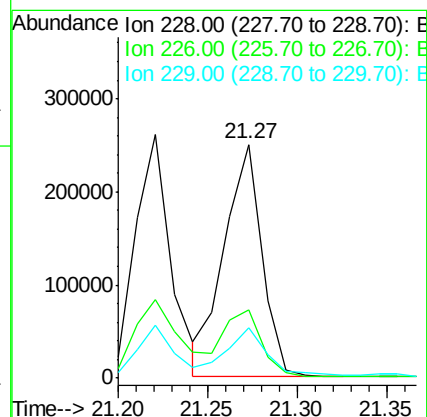
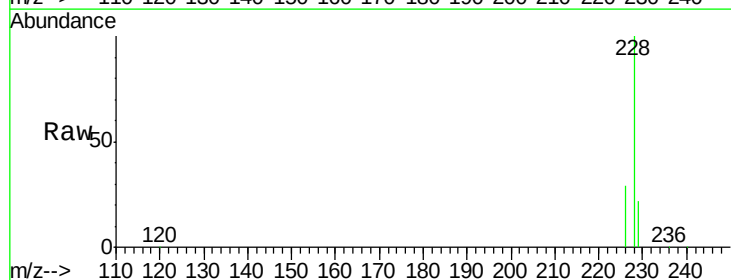
Tgt Ion:228 Resp: 363462

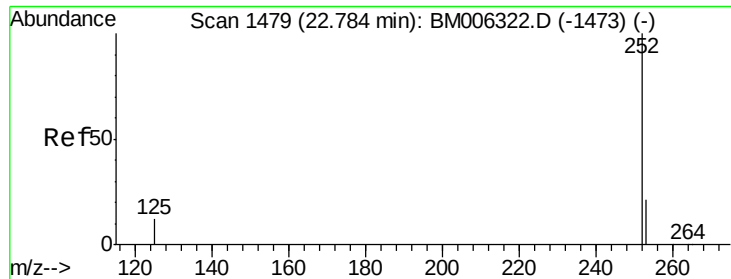
Ion Ratio Lower Upper

228 100

226 29.2 21.2 31.8

229 21.6 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 7.57 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

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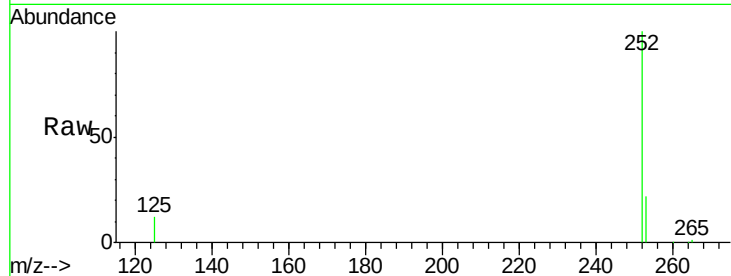
Tgt Ion:252 Resp: 394602

Ion Ratio Lower Upper

252 100

253 22.0 0.0 45.4

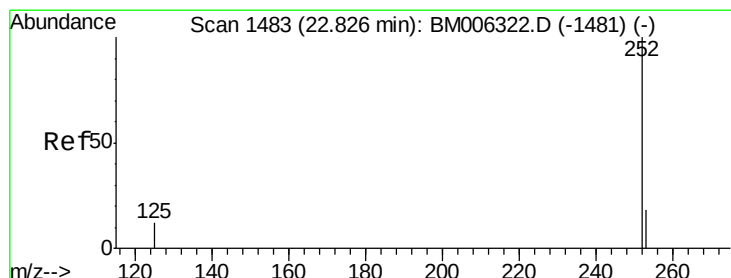
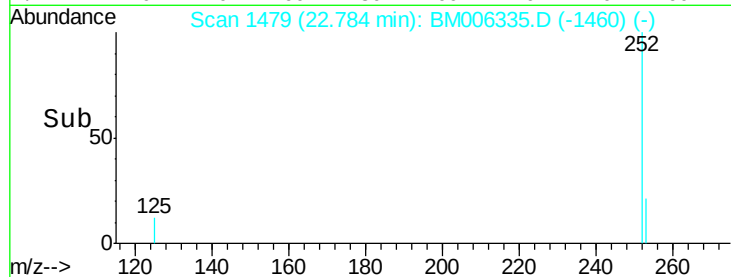
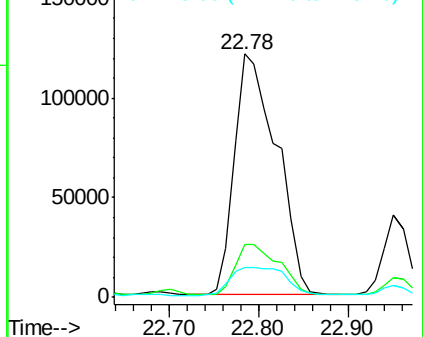
125 12.4 0.0 28.8



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: 8.13 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

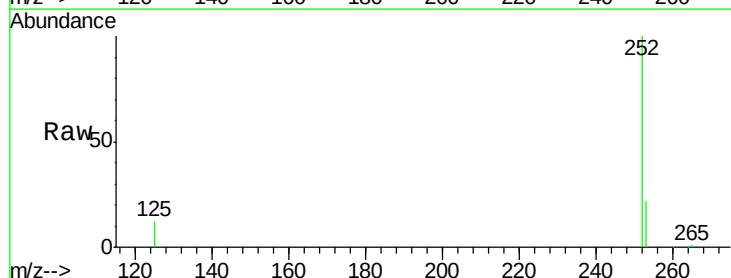
Tgt Ion:252 Resp: 394602

Ion Ratio Lower Upper

252 100

253 22.0 19.8 29.8

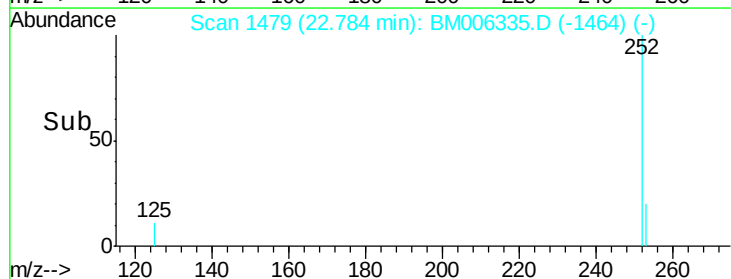
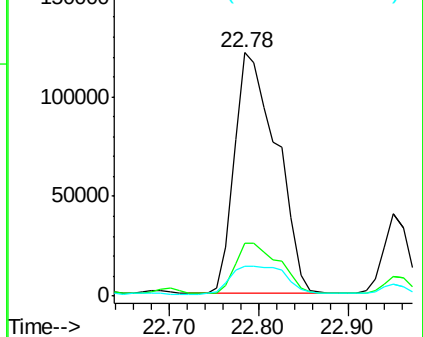
125 12.4 10.4 15.6

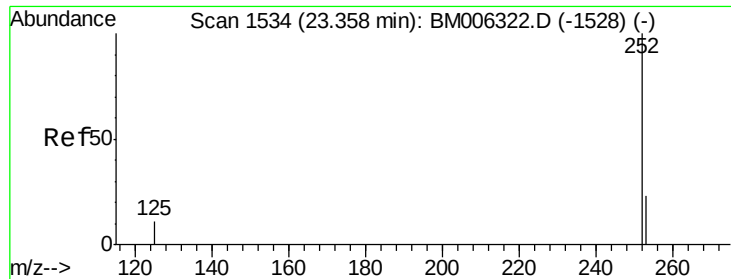


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 3.60 ng/ul

RT: 23.25 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampleId :

A4TW3

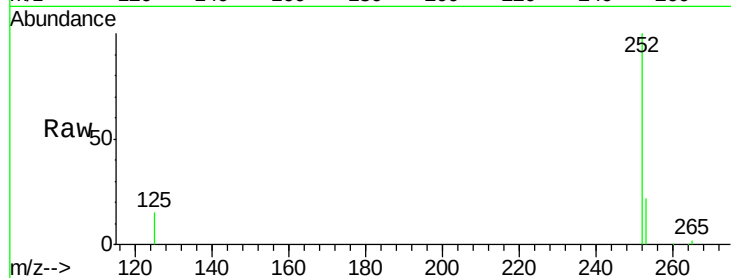
Tgt Ion:252 Resp: 174663

Ion Ratio Lower Upper

252 100

253 22.4 19.4 29.2

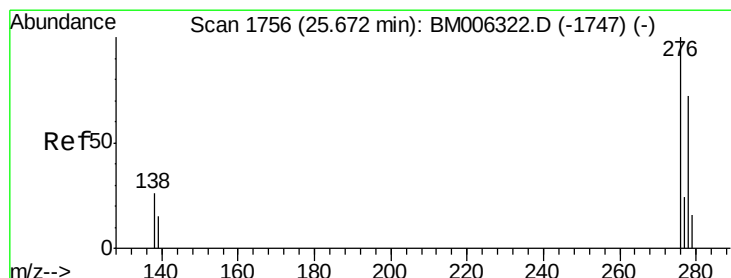
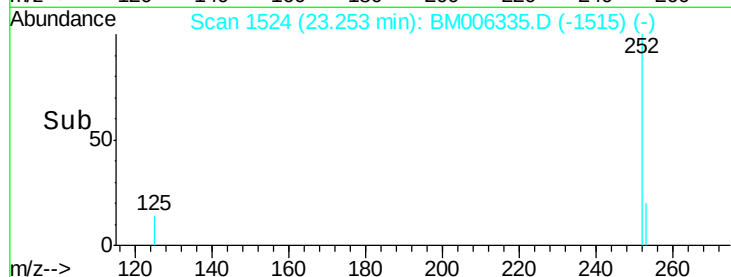
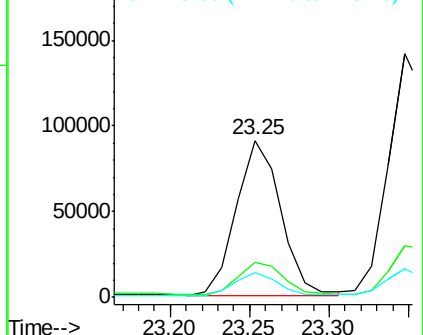
125 15.5 12.7 19.1



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: 2.75 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

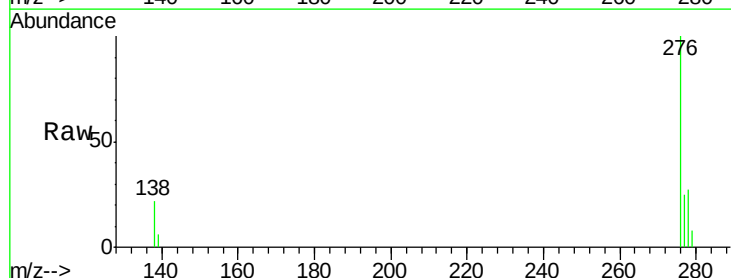
Tgt Ion:276 Resp: 148219

Ion Ratio Lower Upper

276 100

138 23.4 16.3 24.5

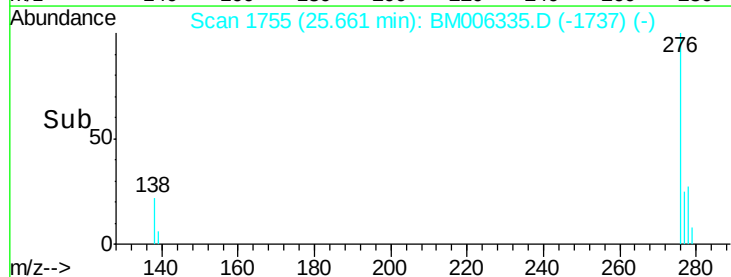
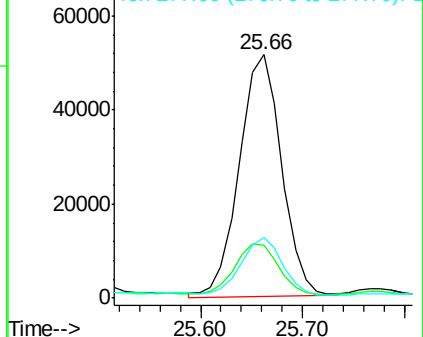
277 24.6 19.8 29.8

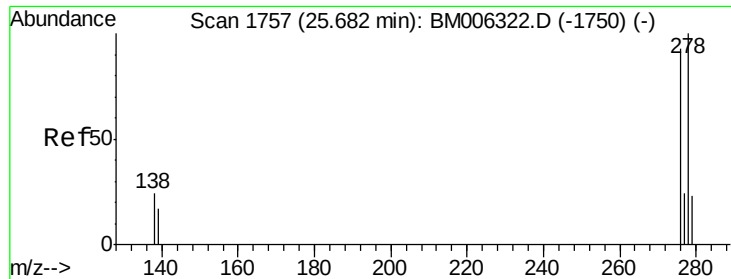


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

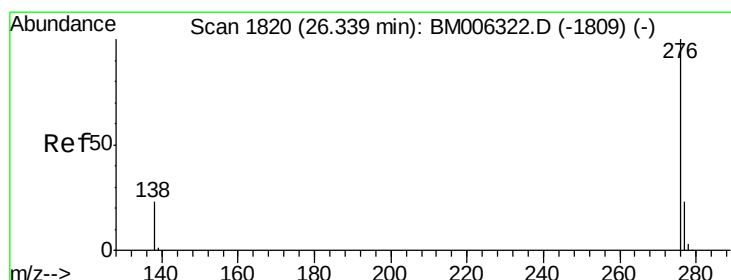
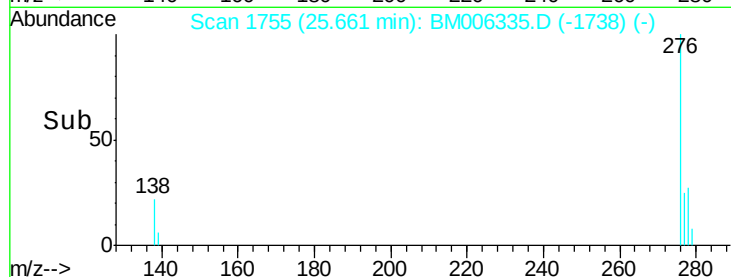
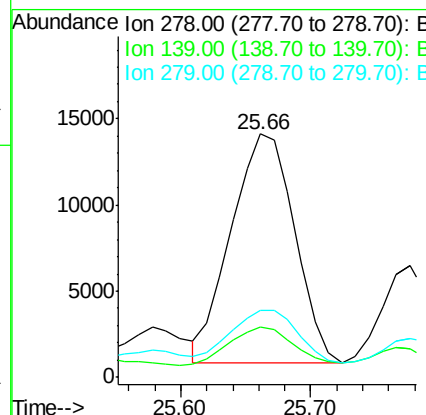
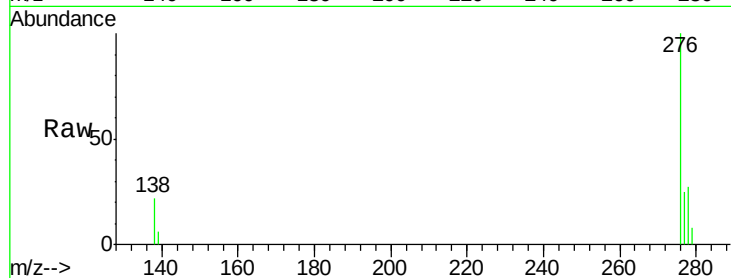




#27
Dibenzo(a,h)anthracene
Concen: 1.06 ng/ul
RT: 25.66 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Instrument :
BNA_M
ClientSampleId :
A4TW3

Tgt Ion: 278 Resp: 44731
Ion Ratio Lower Upper
278 100
139 20.5 16.4 24.6
279 27.5 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 3.00 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion: 276 Resp: 136765
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 22.1 22.5 33.7#

