

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006324.D
 Acq On : 07 Jul 2016 18:04
 Operator : UM/SJ
 Sample : H3811-07MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MS

Quant Time: Jul 08 03:46:10 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	4520	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18121	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10798	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1129081	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	19142	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	701354	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	6984	3.66	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6679	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	16199	0.01	ng/ul	-0.01

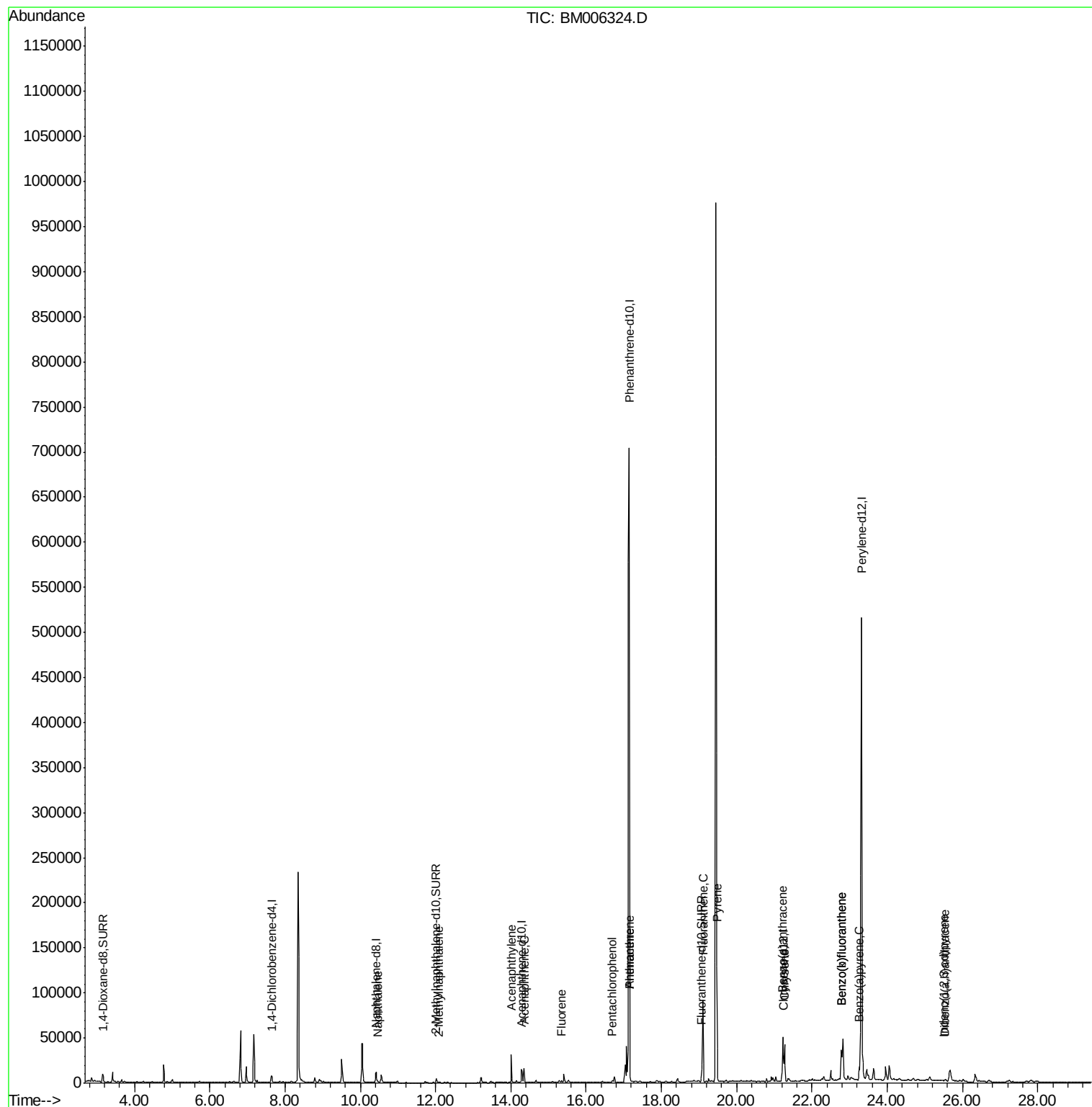
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.46	128	1373	0.03	ng/ul#	78
7) 2-Methylnaphthalene	12.09	142	739	0.03	ng/ul	98
9) Acenaphthylene	14.01	152	3595	0.10	ng/ul#	93
10) Acenaphthene	14.35	153	9694	0.27	ng/ul	92
11) Fluorene	15.34	166	1552	0.04	ng/ul#	82
13) Pentachlorophenol	16.70	266	1962	0.01	ng/ul	96
14) Phenanthrene	17.16	178	8045	0.00	ng/ul#	89
15) Anthracene	17.16	178	7950	0.00	ng/ul#	88
17) Fluoranthene	19.11	202	94921	0.03	ng/ul	93
19) Pyrene	19.47	202	102252	1.28	ng/ul	95
20) Benzo(a)anthracene	21.22	228	33168	0.54	ng/ul#	93
21) Chrysene	21.27	228	39310	0.65	ng/ul	96
23) Benzo(b)fluoranthene	22.78	252	36361	0.01	ng/ul#	32
24) Benzo(k)fluoranthene	22.78	252	52665	0.02	ng/ul#	39
25) Benzo(a)pyrene	23.25	252	22055	0.01	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	25.51	276	784	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.53	278	732	0.00	ng/ul#	1

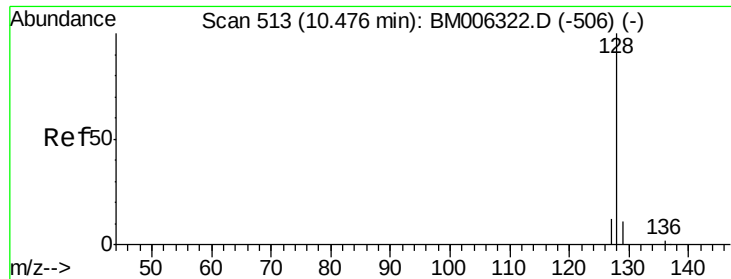
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

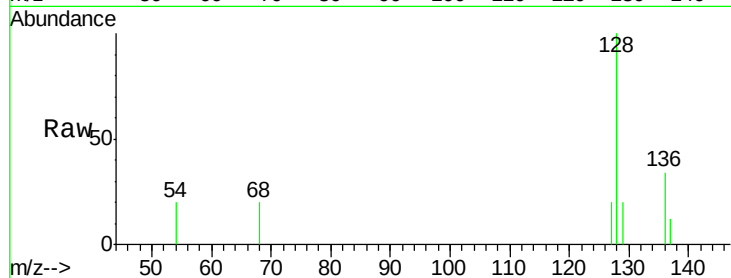
Tgt Ion:128 Resp: 1373

Ion Ratio Lower Upper

128 100

129 19.9 9.0 13.6#

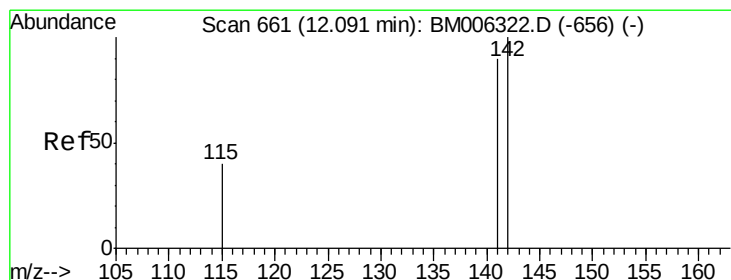
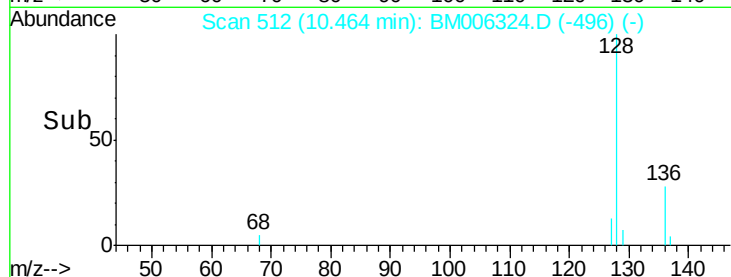
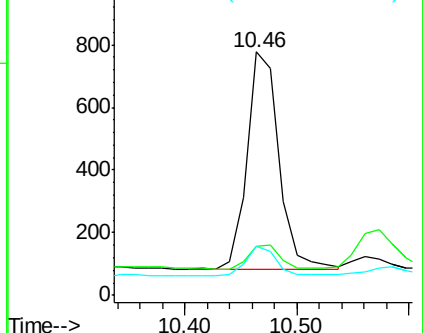
127 20.1 9.6 14.4#



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: 0.03 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006324.D

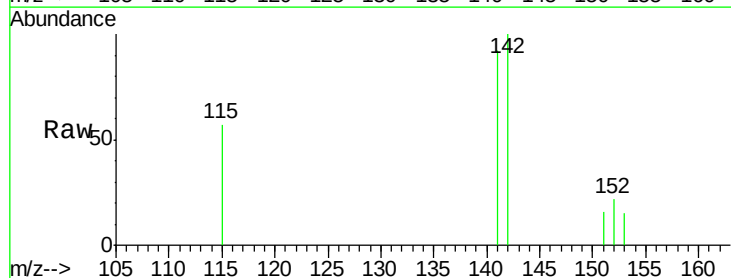
Acq: 07 Jul 2016 18:04

Tgt Ion:142 Resp: 739

Ion Ratio Lower Upper

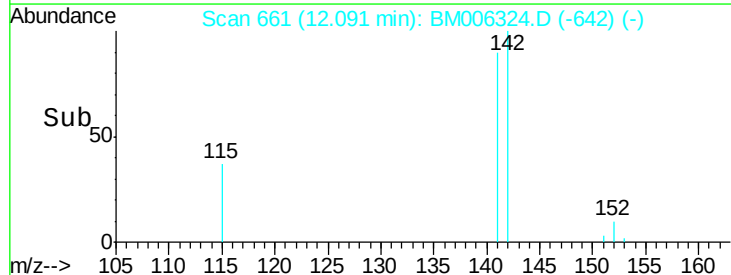
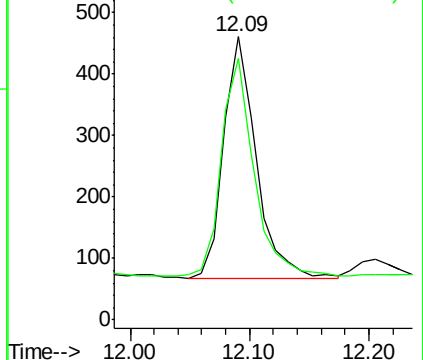
142 100

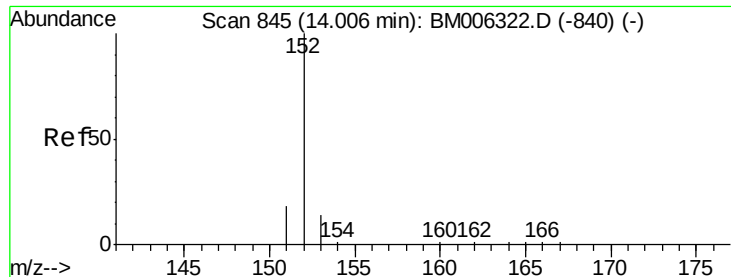
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

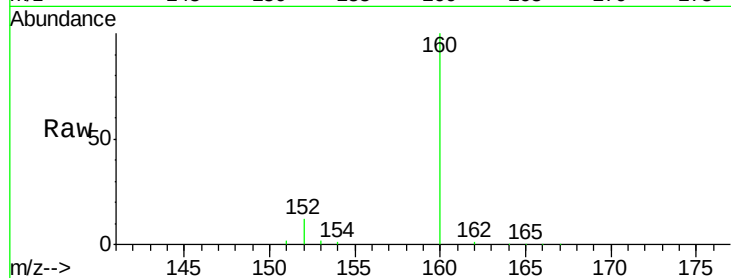
Tgt Ion:152 Resp: 3595

Ion Ratio Lower Upper

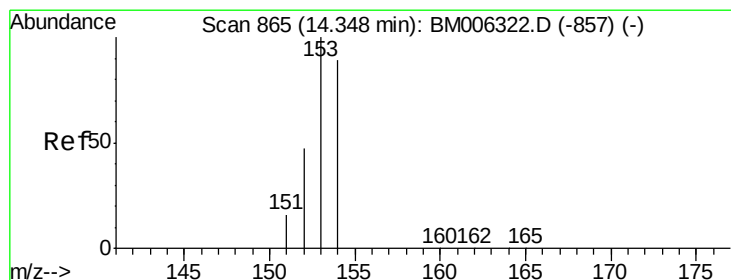
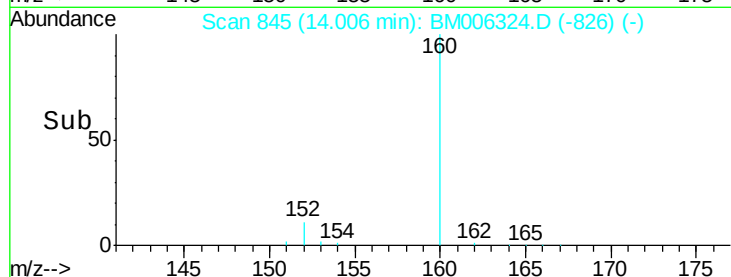
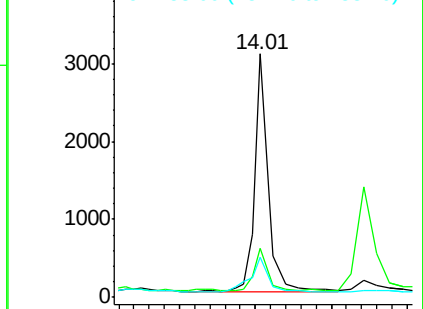
152 100

151 20.0 17.6 26.4

153 16.4 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: 0.27 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

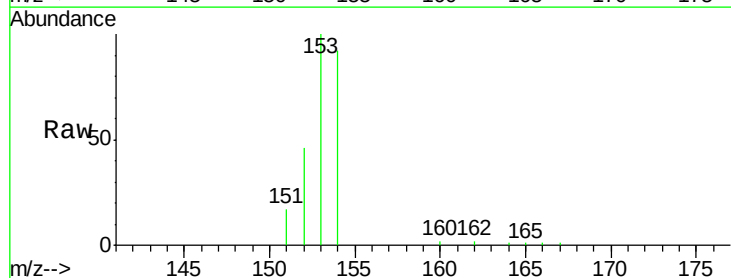
Tgt Ion:153 Resp: 9694

Ion Ratio Lower Upper

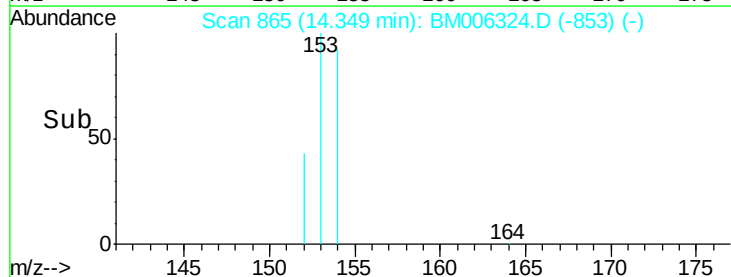
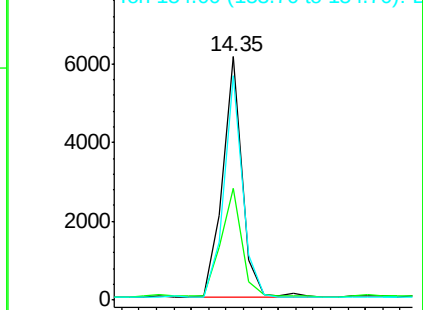
153 100

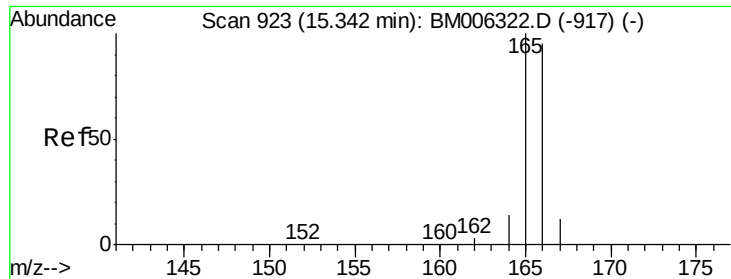
152 46.1 33.9 50.9

154 92.2 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

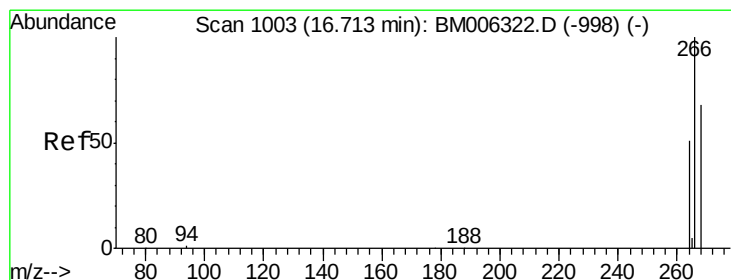
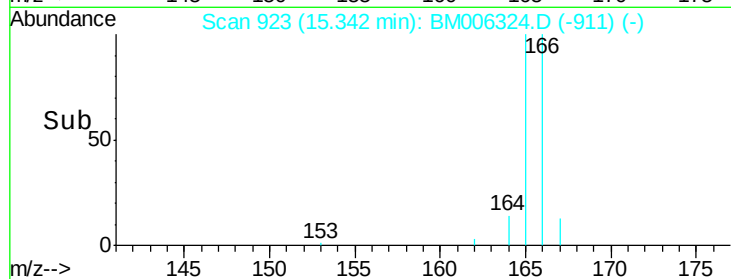
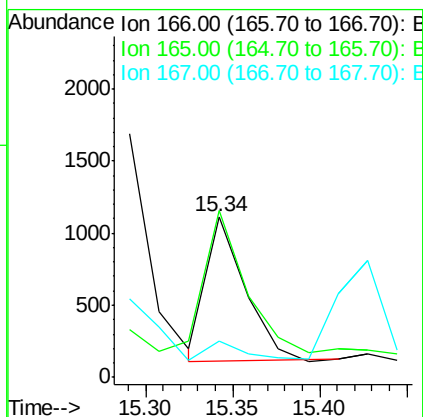
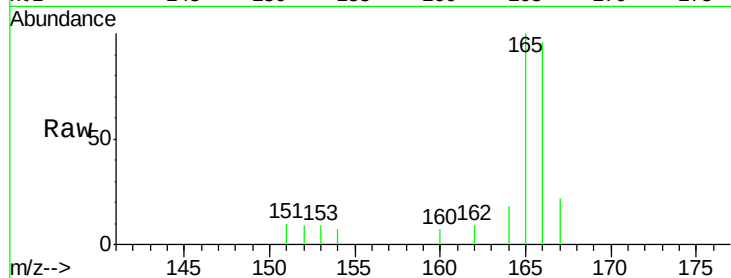




#11
 Fluorene
 Concen: 0.04 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BM006324.D
 Acq: 07 Jul 2016 18:04

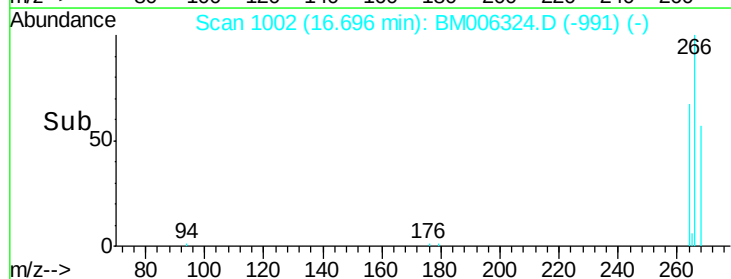
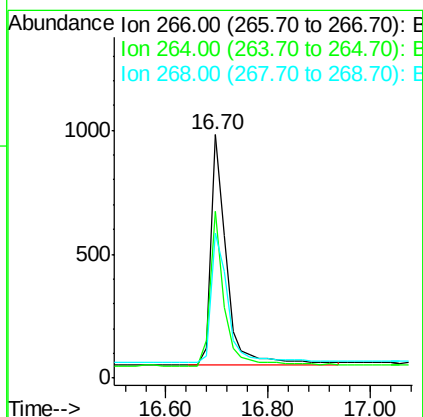
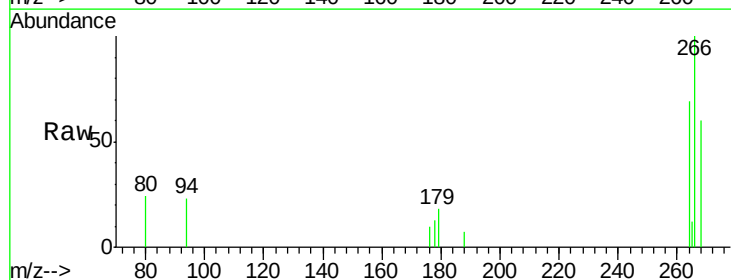
Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MS

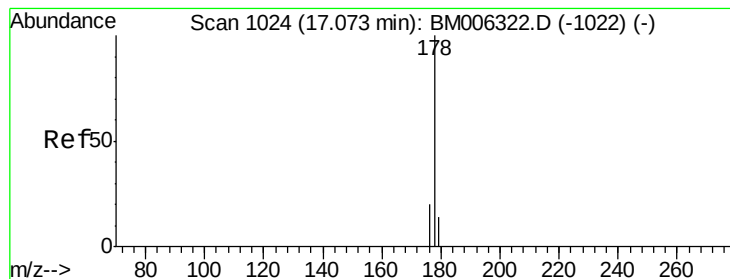
Tgt Ion:166 Resp: 1552
 Ion Ratio Lower Upper
 166 100
 165 103.8 69.6 104.4
 167 22.8 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: BM006324.D
 Acq: 07 Jul 2016 18:04

Tgt Ion:266 Resp: 1962
 Ion Ratio Lower Upper
 266 100
 264 62.6 51.8 77.8
 268 62.1 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: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

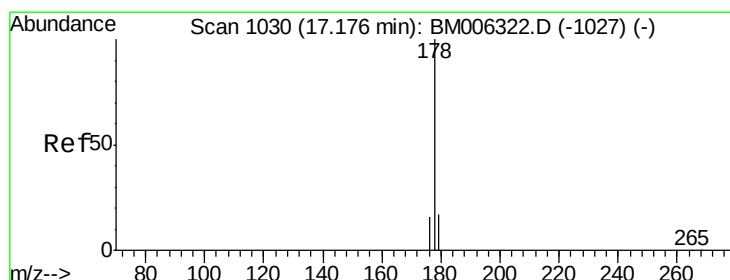
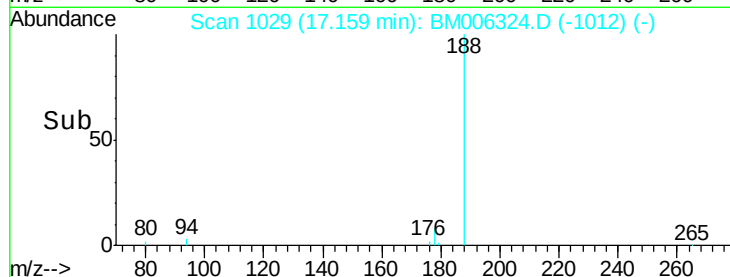
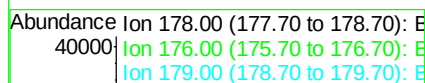
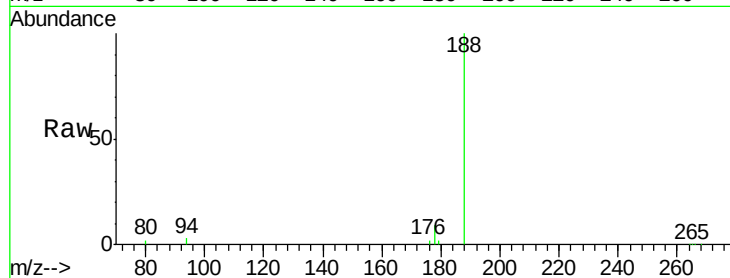
Tgt Ion:178 Resp: 8045

Ion Ratio Lower Upper

178 100

176 23.2 13.0 19.4#

179 20.5 14.2 21.2



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

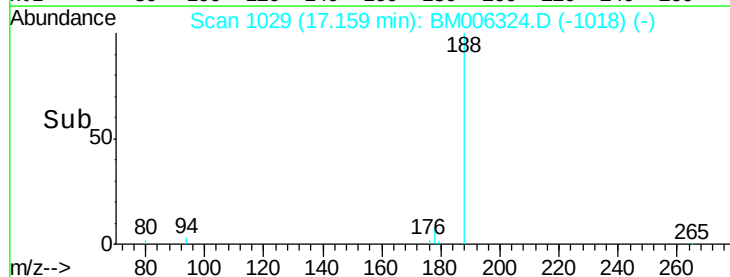
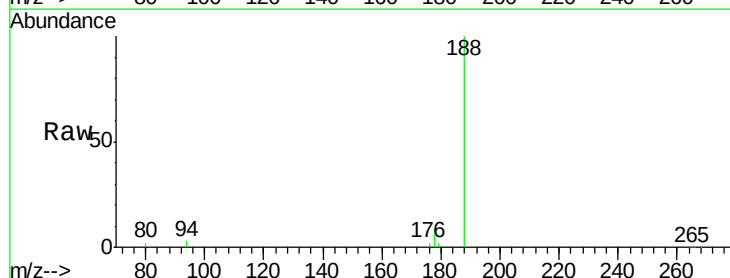
Tgt Ion:178 Resp: 7950

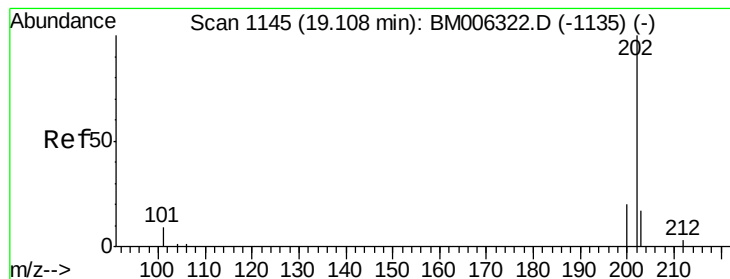
Ion Ratio Lower Upper

178 100

176 23.2 14.0 21.0#

179 20.5 12.9 19.3#





#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

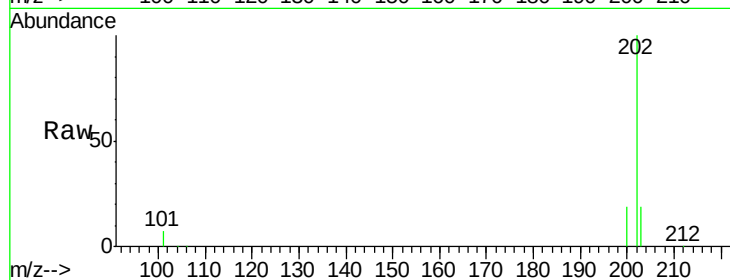
Tgt Ion:202 Resp: 94921

Ion Ratio Lower Upper

202 100

101 6.6 0.0 29.6

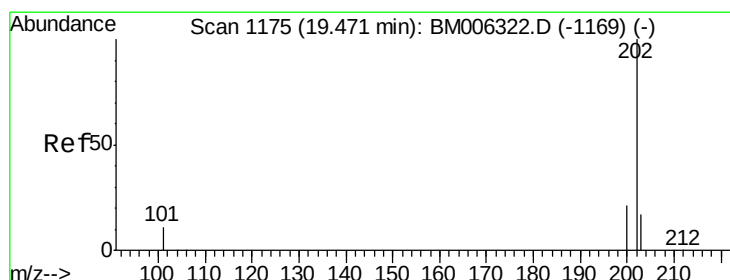
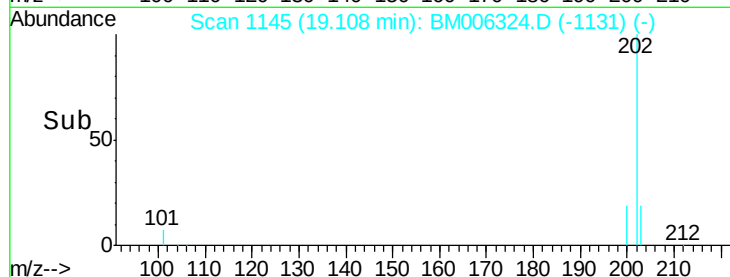
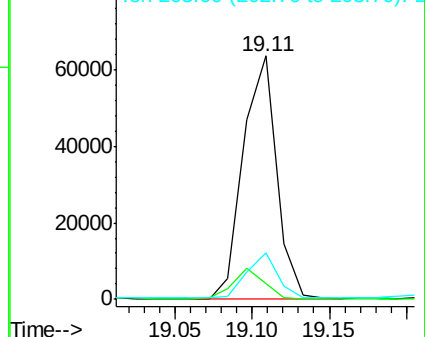
203 19.0 0.0 36.3



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: 1.28 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

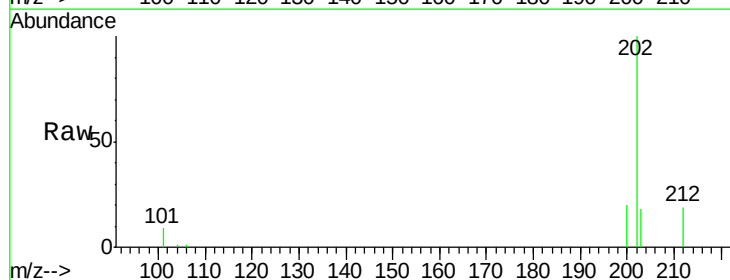
Tgt Ion:202 Resp: 102252

Ion Ratio Lower Upper

202 100

200 20.1 17.8 26.8

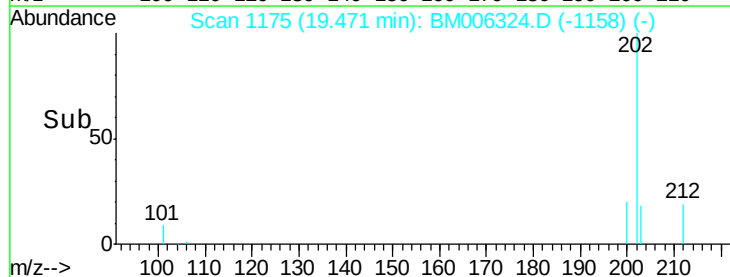
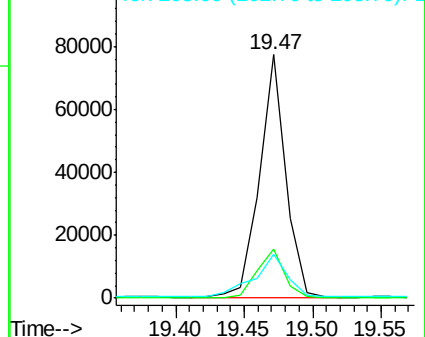
203 18.1 12.8 19.2

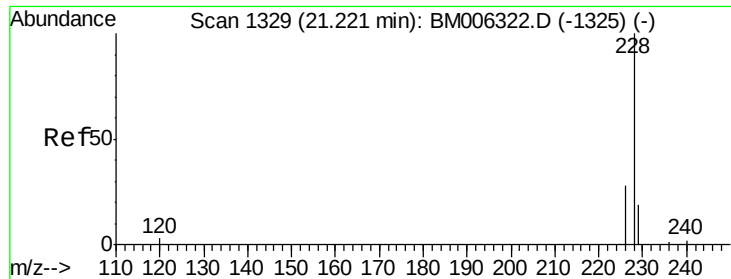


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

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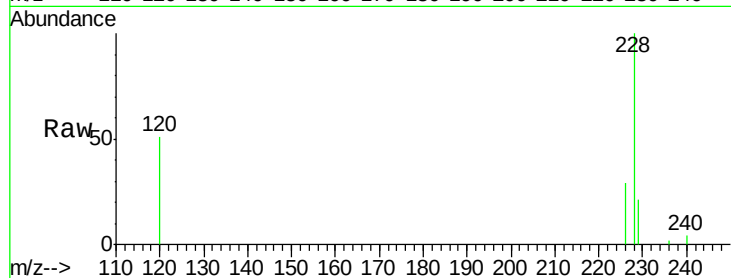
Tgt Ion:228 Resp: 33168

Ion Ratio Lower Upper

228 100

226 29.3 18.8 28.2#

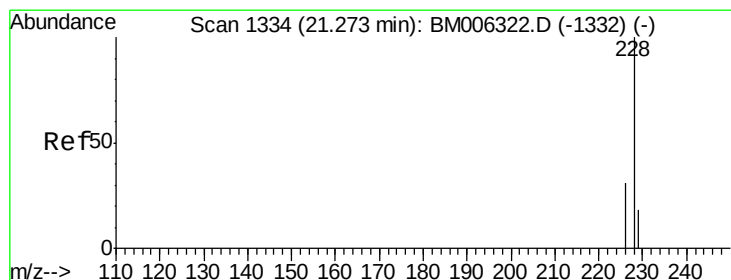
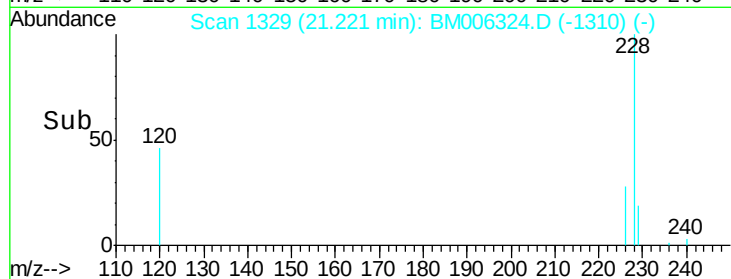
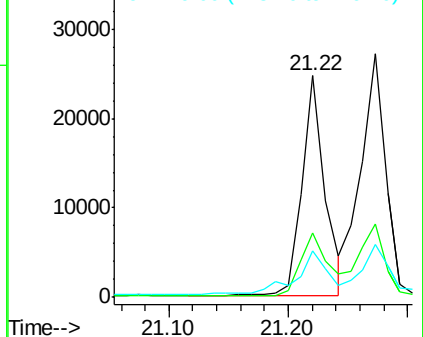
229 21.0 17.1 25.7



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/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

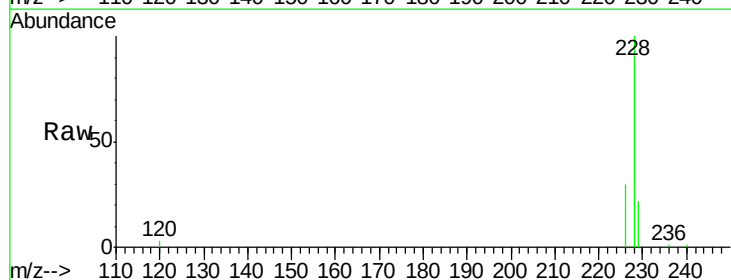
Tgt Ion:228 Resp: 39310

Ion Ratio Lower Upper

228 100

226 30.1 21.2 31.8

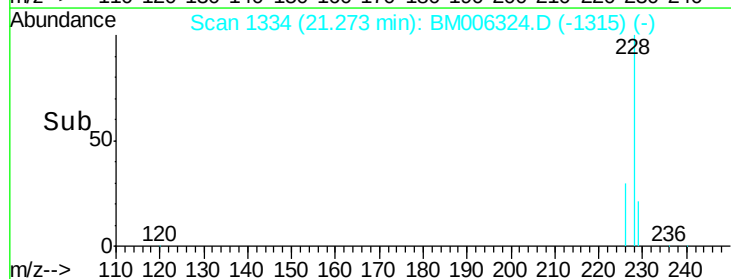
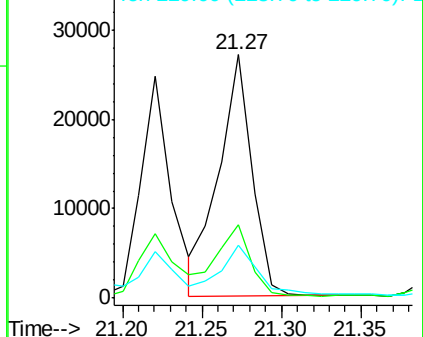
229 21.7 17.0 25.6

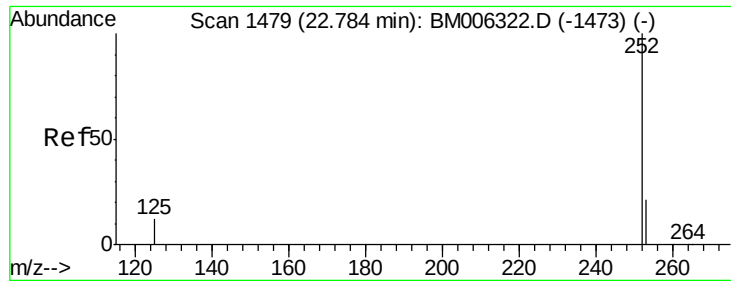


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

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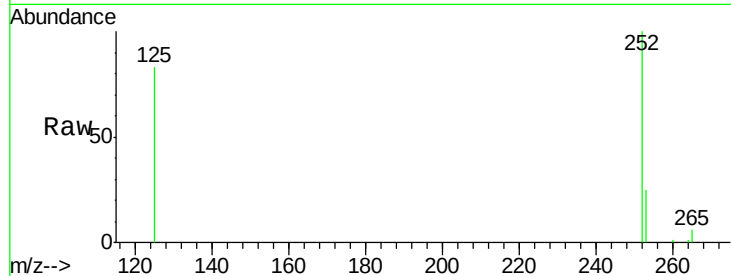
Tgt Ion:252 Resp: 36361

Ion Ratio Lower Upper

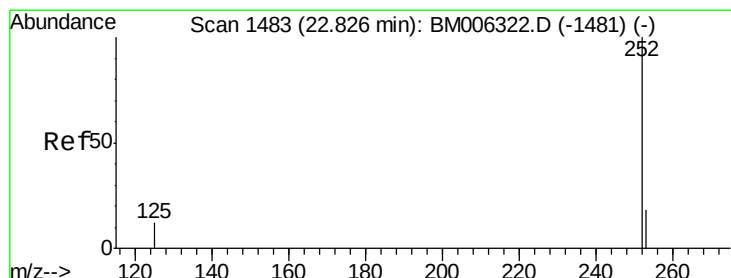
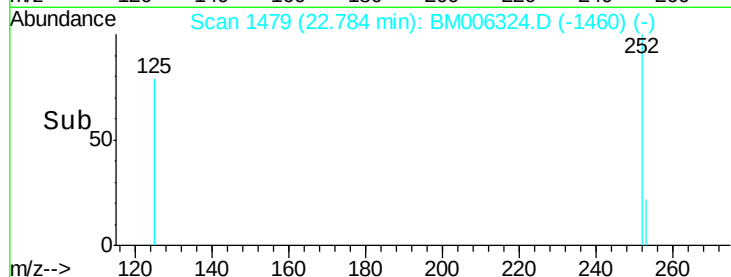
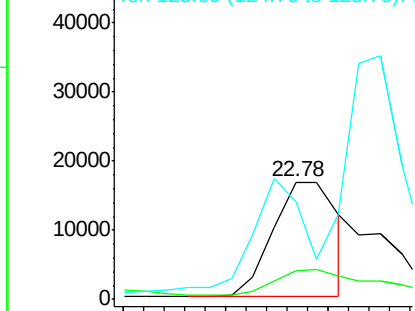
252 100

253 24.9 0.0 45.4

125 83.1 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: 0.02 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

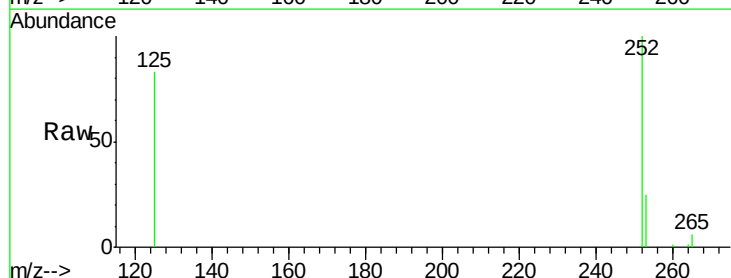
Tgt Ion:252 Resp: 52665

Ion Ratio Lower Upper

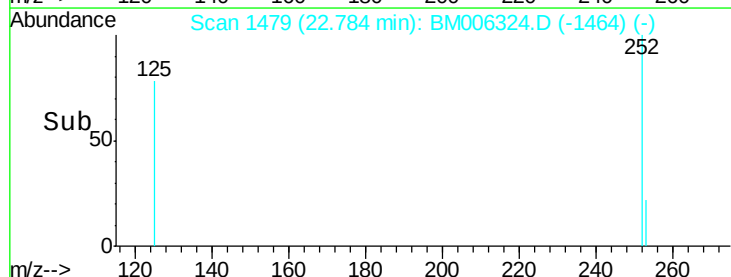
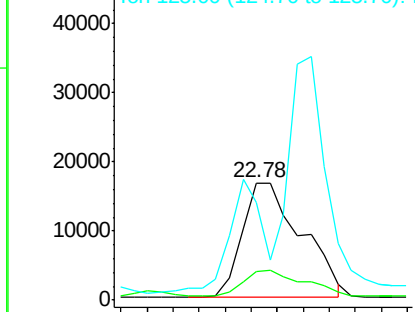
252 100

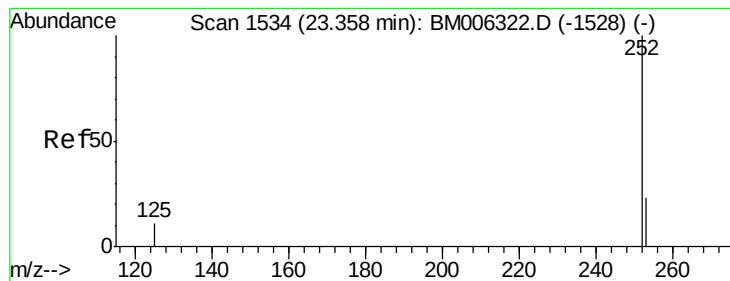
253 24.9 19.8 29.8

125 83.1 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: 0.01 ng/ul

RT: 23.25 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

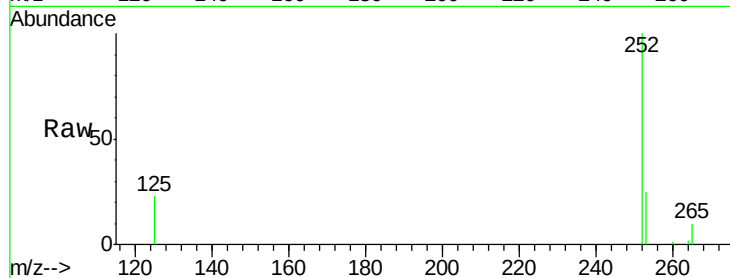
Tgt Ion: 252 Resp: 22055

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

125 23.0 12.7 19.1#

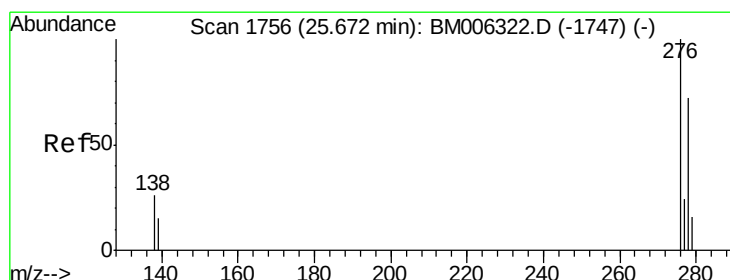
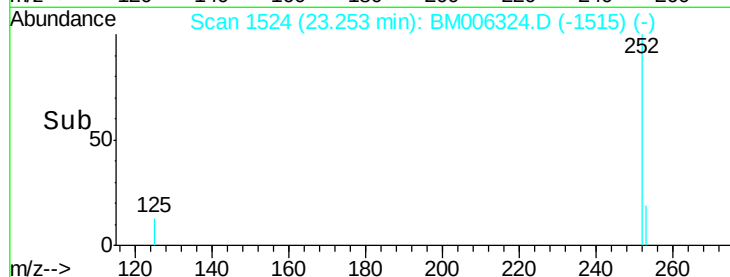
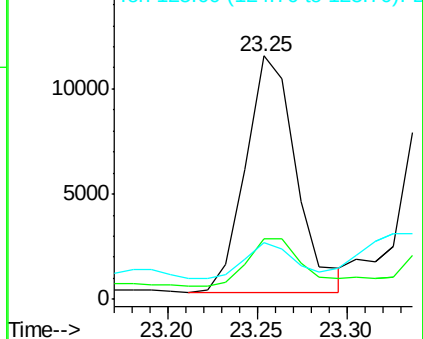


Abundance

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. -0.17 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

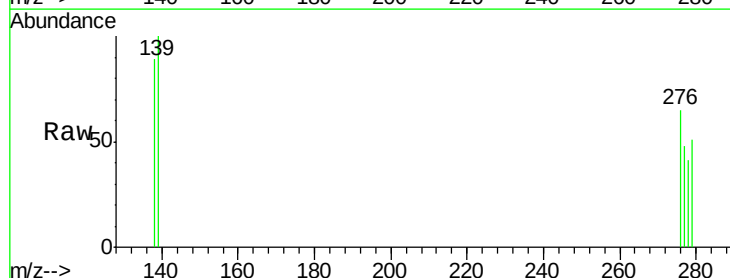
Tgt Ion: 276 Resp: 784

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 98.5 19.8 29.8#

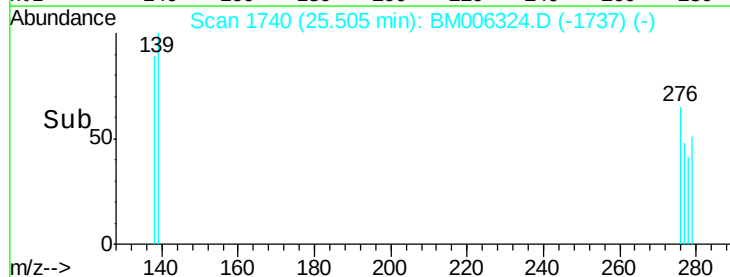
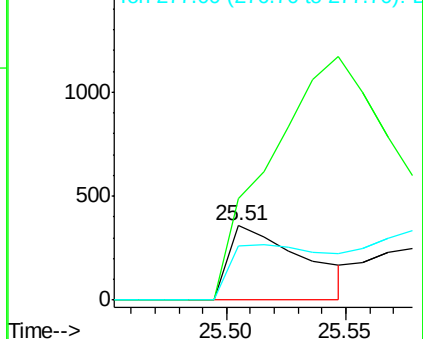


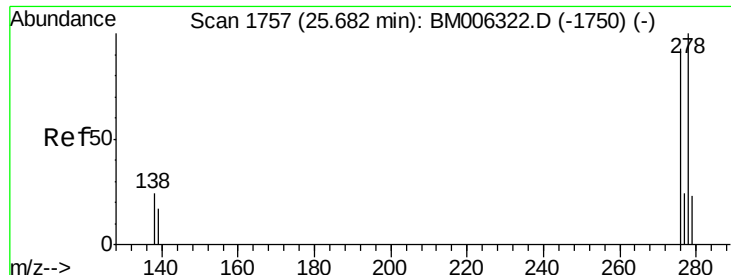
Abundance

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: 0.00 ng/ul

RT: 25.53 min Scan# 1742

Delta R.T. -0.16 min

Lab File: BM006324.D

Acq: 07 Jul 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4TV6MS

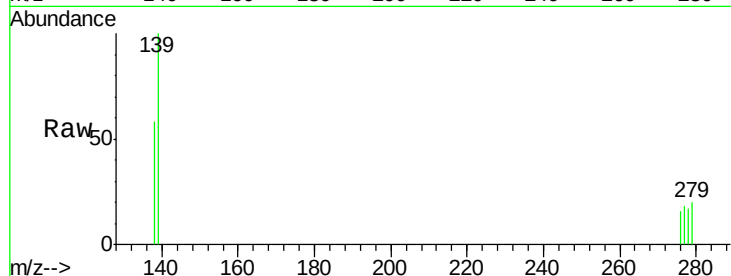
Tgt Ion:278 Resp: 732

Ion Ratio Lower Upper

278 100

139 576.2 16.4 24.6#

279 115.3 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

