

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006325.D
 Acq On : 07 Jul 2016 18:41
 Operator : UM/SJ
 Sample : H3811-08MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MSD

Quant Time: Jul 08 03:46:20 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	4648	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18543	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10878	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1148485	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	18062	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	674602	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	7243	3.69	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7007	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	16140	0.01	ng/ul	0.00

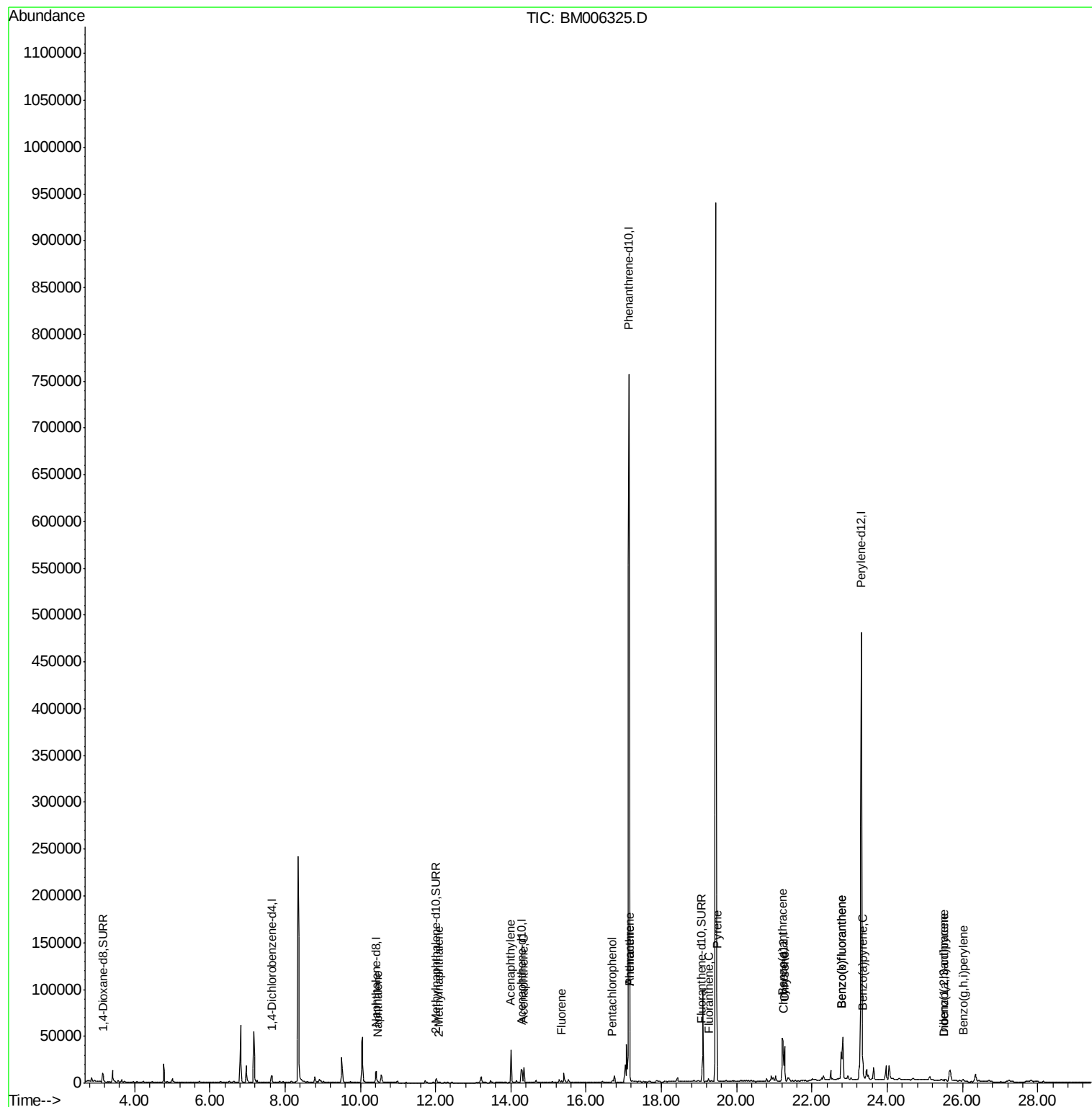
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	1436	0.03	ng/ul#	80
7) 2-Methylnaphthalene	12.09	142	766	0.03	ng/ul	97
9) Acenaphthylene	14.01	152	3834	0.10	ng/ul#	94
10) Acenaphthene	14.35	153	10119	0.28	ng/ul	90
11) Fluorene	15.34	166	1587	0.04	ng/ul#	78
13) Pentachlorophenol	16.70	266	1985	0.01	ng/ul	96
14) Phenanthrene	17.16	178	8038	0.00	ng/ul#	89
15) Anthracene	17.16	178	8058	0.00	ng/ul#	88
17) Fluoranthene	19.26	202	3158	0.00	ng/ul	69
19) Pyrene	19.48	202	101960	1.35	ng/ul#	92
20) Benzo(a)anthracene	21.22	228	32824	0.56	ng/ul#	91
21) Chrysene	21.28	228	36737	0.64	ng/ul	96
23) Benzo(b)fluoranthene	22.79	252	29880	0.01	ng/ul#	56
24) Benzo(k)fluoranthene	22.79	252	49844	0.02	ng/ul#	61
25) Benzo(a)pyrene	23.35	252	21812	0.01	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.51	276	740	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.52	278	627	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.02	276	1007	0.00	ng/ul#	1

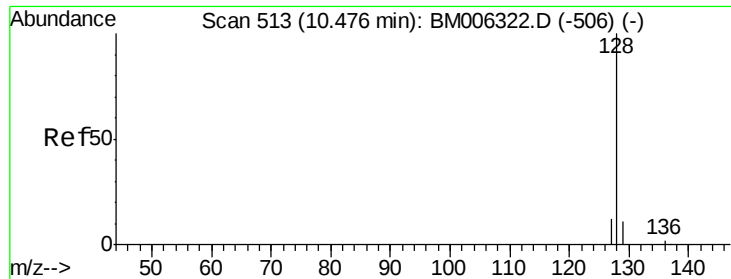
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

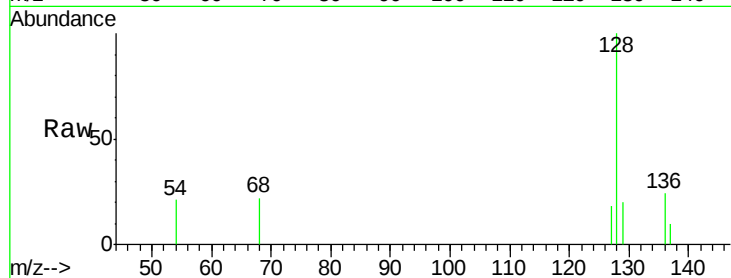
Tgt Ion:128 Resp: 1436

Ion Ratio Lower Upper

128 100

129 20.4 9.0 13.6#

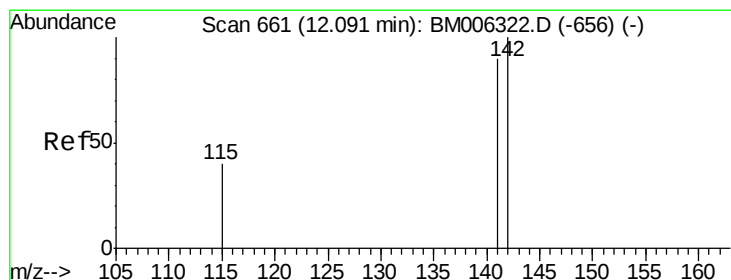
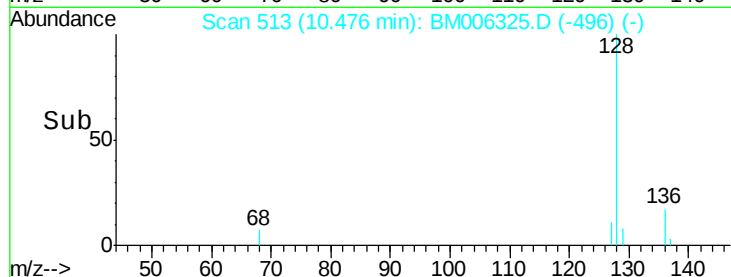
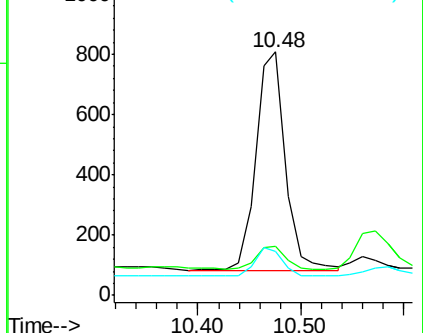
127 18.1 9.6 14.4#



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: BM006325.D

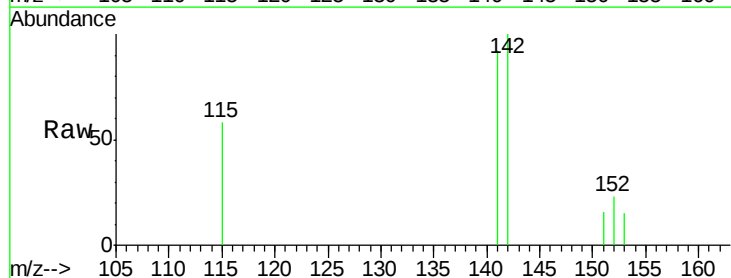
Acq: 07 Jul 2016 18:41

Tgt Ion:142 Resp: 766

Ion Ratio Lower Upper

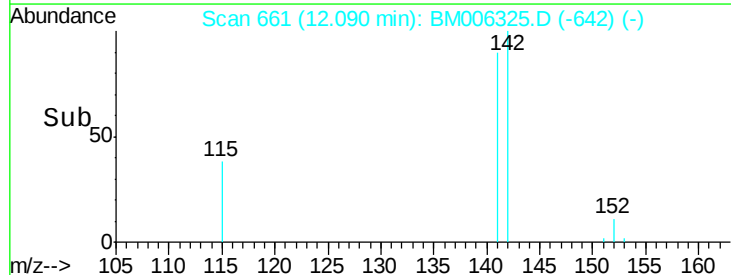
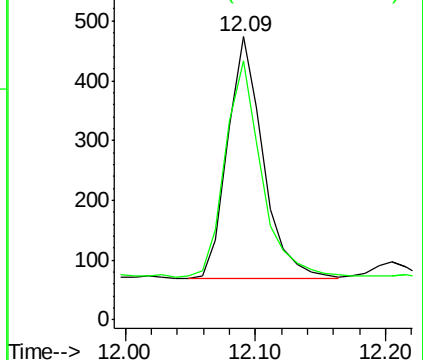
142 100

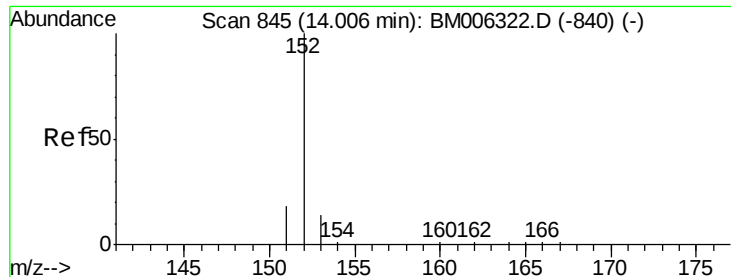
141 91.1 70.3 105.5



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: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

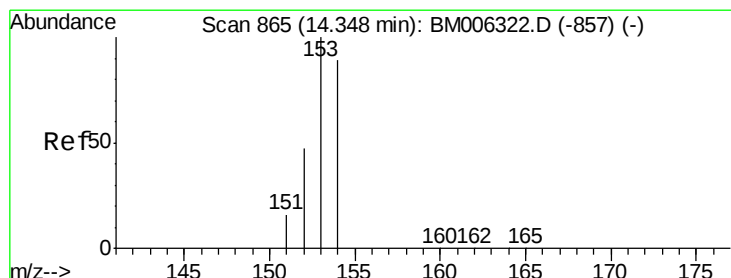
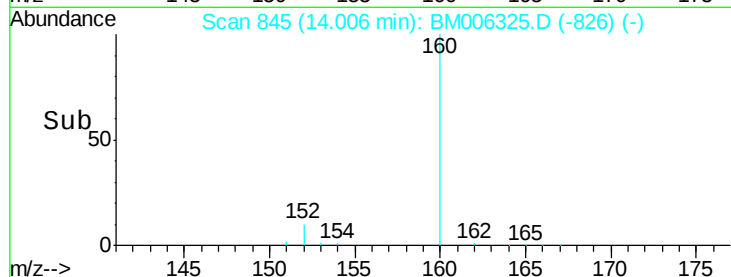
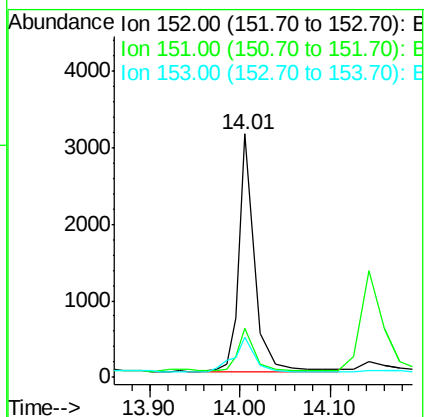
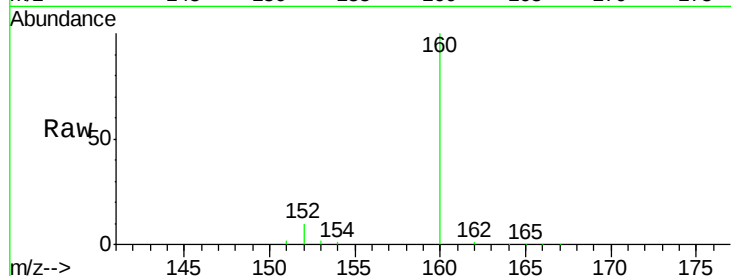
Tgt Ion:152 Resp: 3834

Ion Ratio Lower Upper

152 100

151 20.2 17.6 26.4

153 16.2 9.7 14.5#



#10

Acenaphthene

Concen: 0.28 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

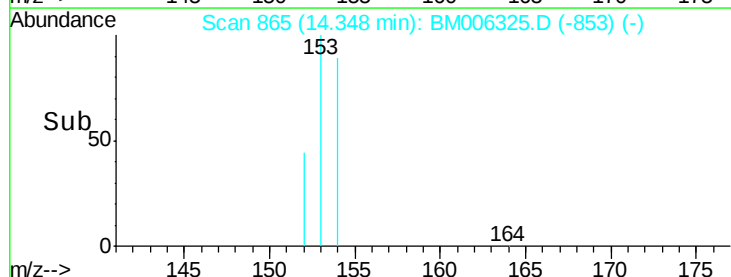
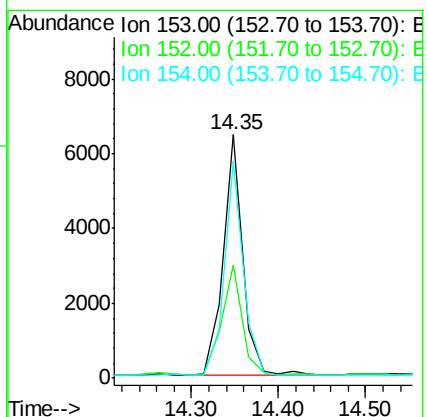
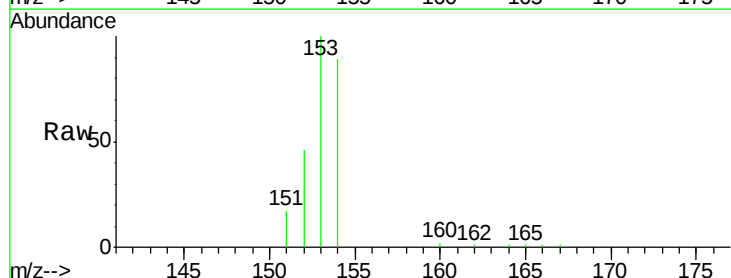
Tgt Ion:153 Resp: 10119

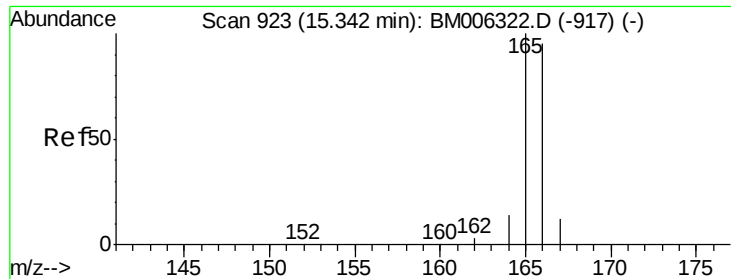
Ion Ratio Lower Upper

153 100

152 46.4 33.9 50.9

154 89.1 80.6 121.0

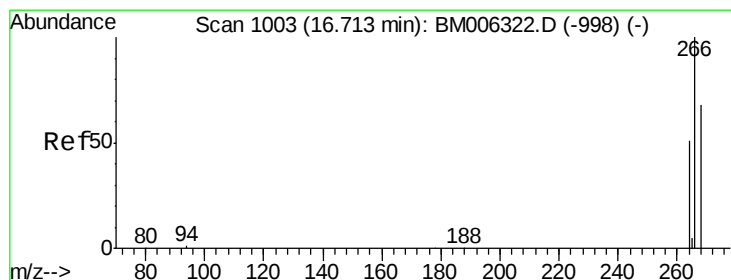
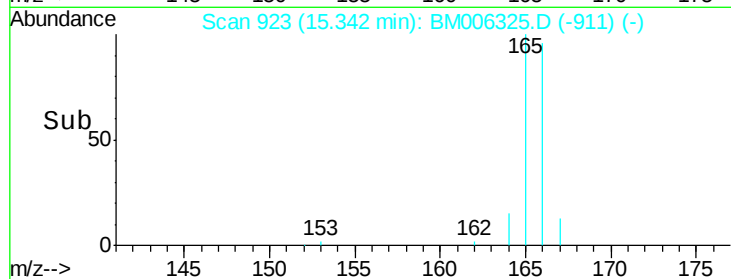
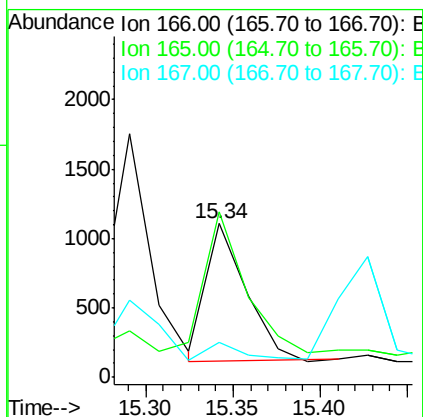
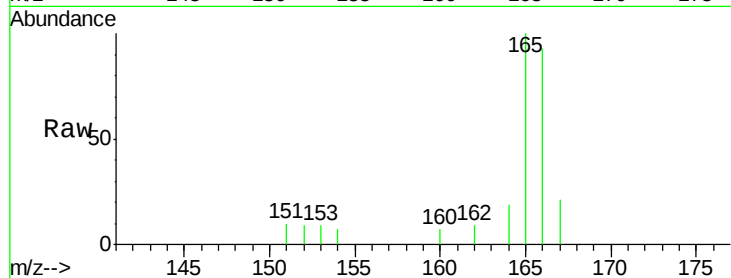




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BM006325.D
 Acq: 07 Jul 2016 18:41

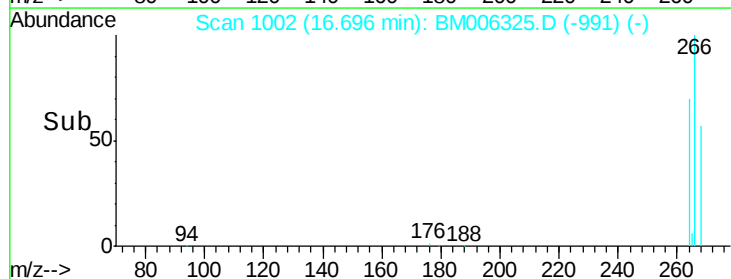
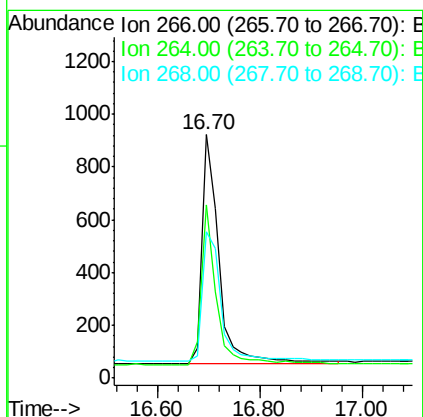
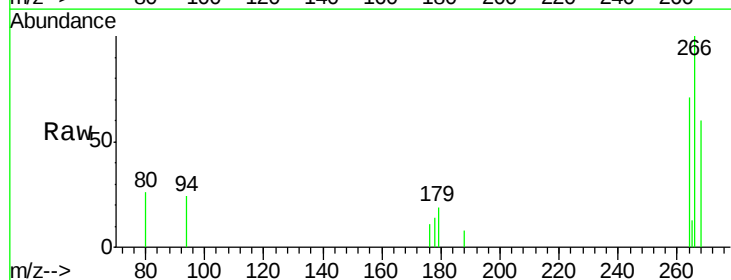
Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MSD

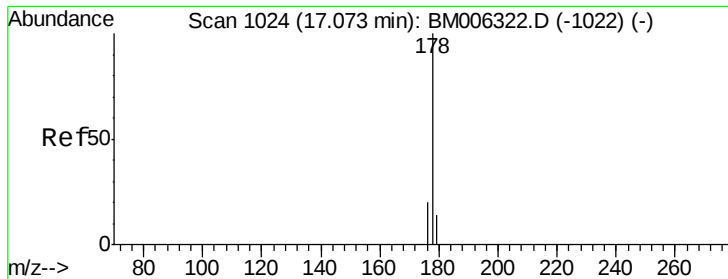
Tgt Ion:166 Resp: 1587
 Ion Ratio Lower Upper
 166 100
 165 107.5 69.6 104.4#
 167 22.9 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: BM006325.D
 Acq: 07 Jul 2016 18:41

Tgt Ion:266 Resp: 1985
 Ion Ratio Lower Upper
 266 100
 264 62.5 51.8 77.8
 268 63.1 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: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

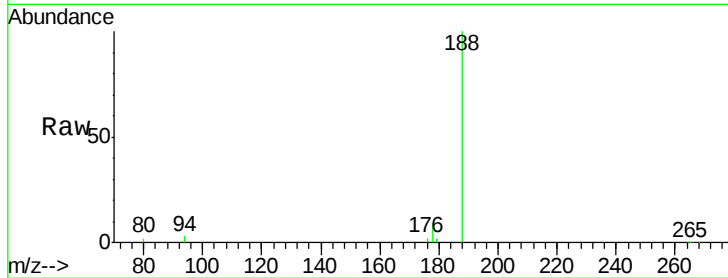
Tgt Ion:178 Resp: 8038

Ion Ratio Lower Upper

178 100

176 23.4 13.0 19.4#

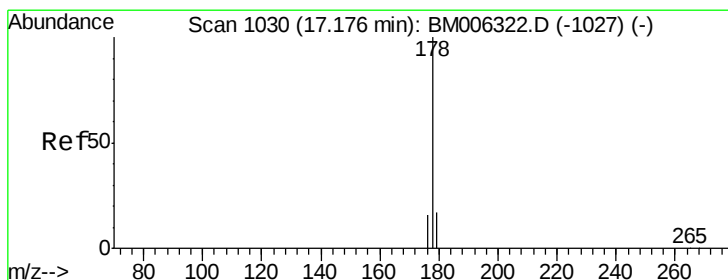
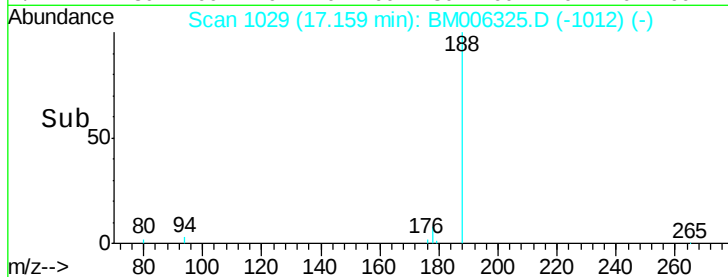
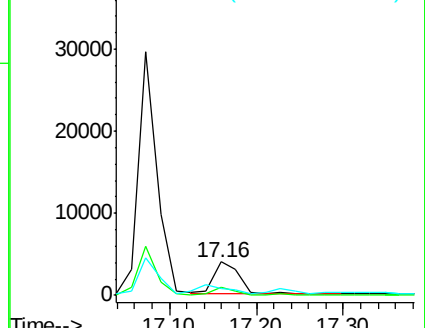
179 20.5 14.2 21.2



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: BM006325.D

Acq: 07 Jul 2016 18:41

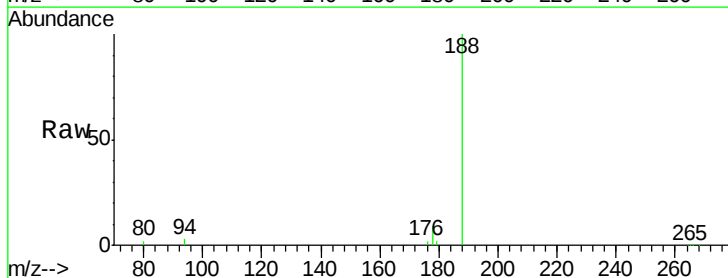
Tgt Ion:178 Resp: 8058

Ion Ratio Lower Upper

178 100

176 23.4 14.0 21.0#

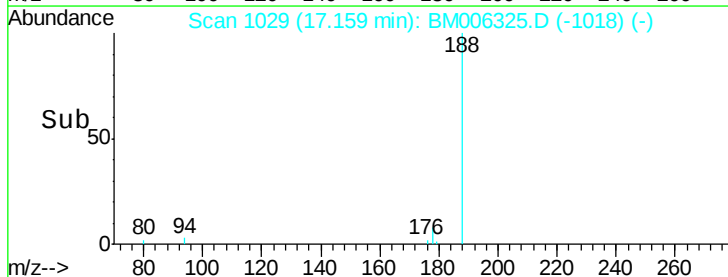
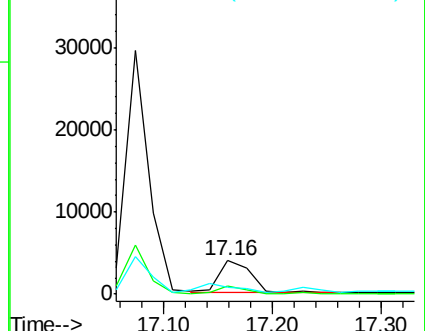
179 20.5 12.9 19.3#

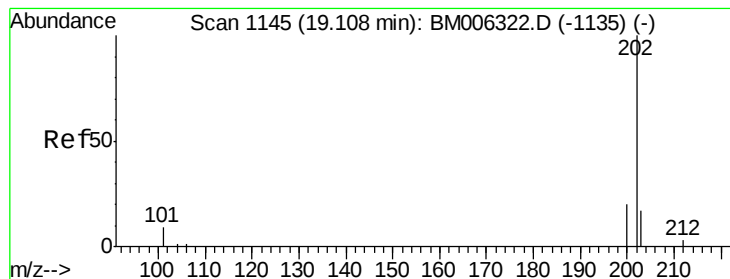


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

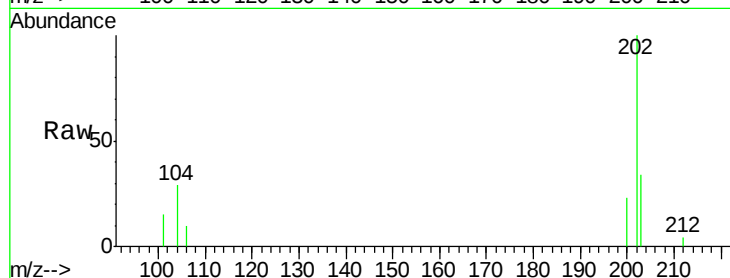
Tgt Ion:202 Resp: 3158

Ion Ratio Lower Upper

202 100

101 15.0 0.0 29.6

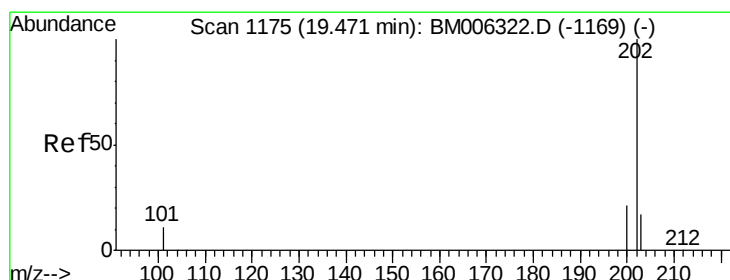
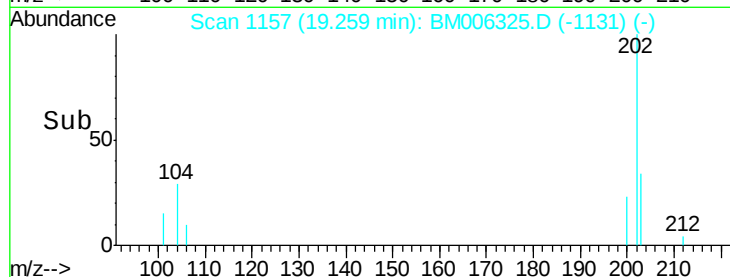
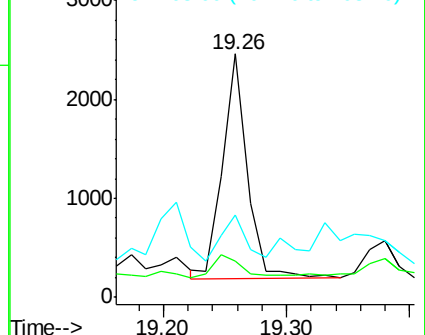
203 33.8 0.0 36.3



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: 1.35 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

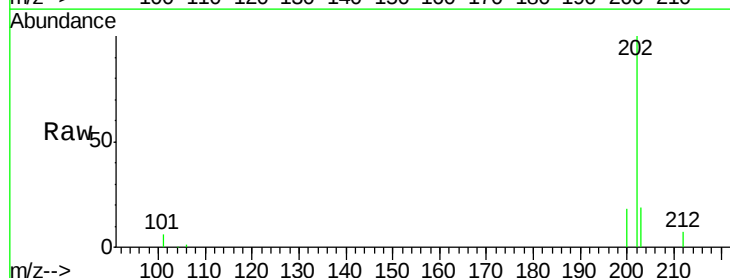
Tgt Ion:202 Resp: 101960

Ion Ratio Lower Upper

202 100

200 18.2 17.8 26.8

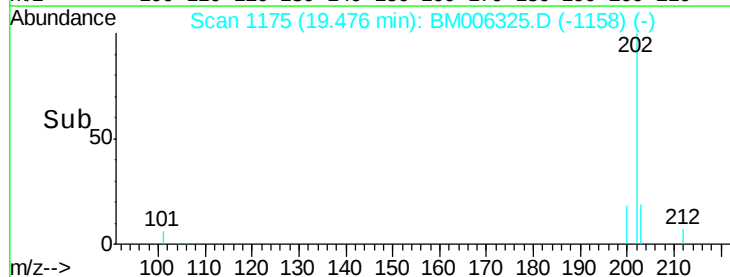
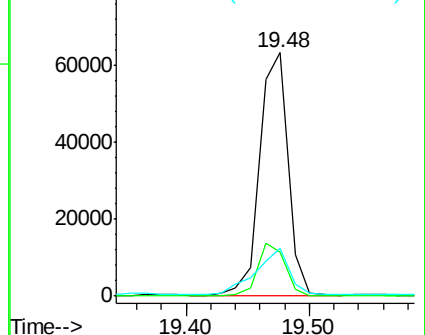
203 19.5 12.8 19.2#

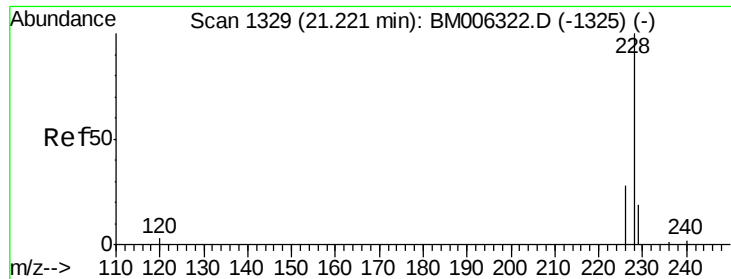


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.56 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

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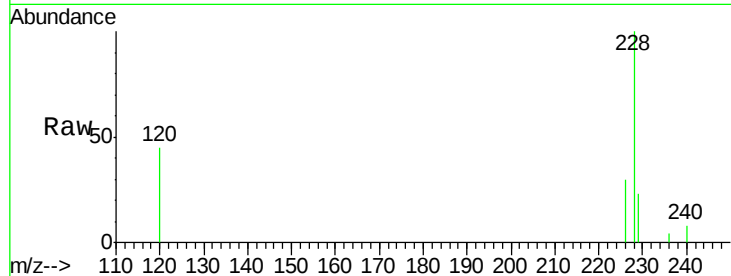
Tgt Ion:228 Resp: 32824

Ion Ratio Lower Upper

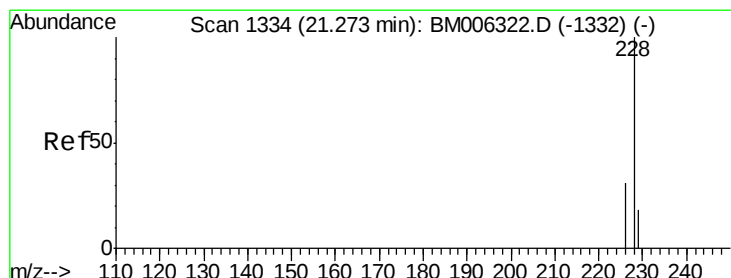
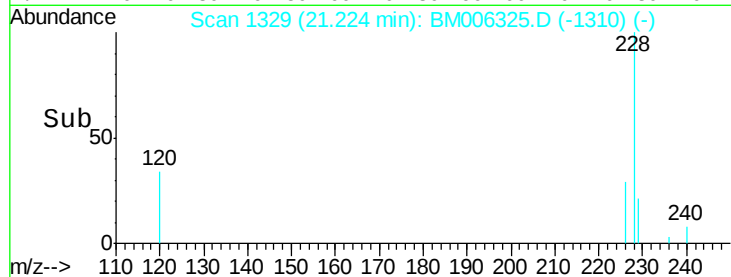
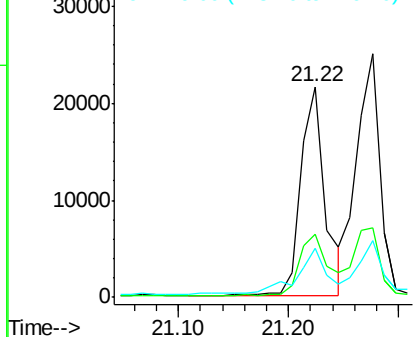
228 100

226 30.1 18.8 28.2#

229 23.1 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: 0.64 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

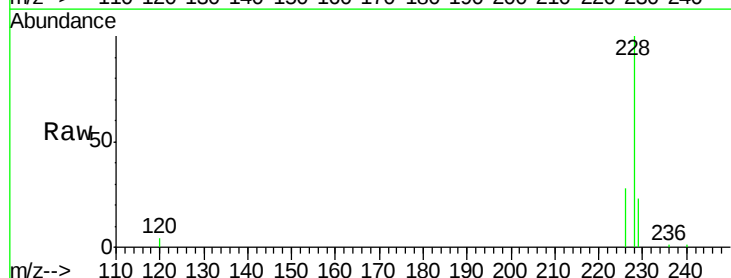
Tgt Ion:228 Resp: 36737

Ion Ratio Lower Upper

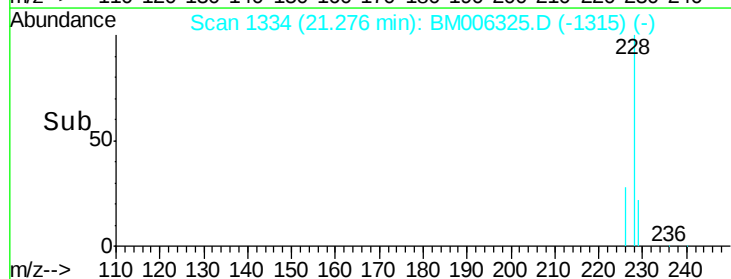
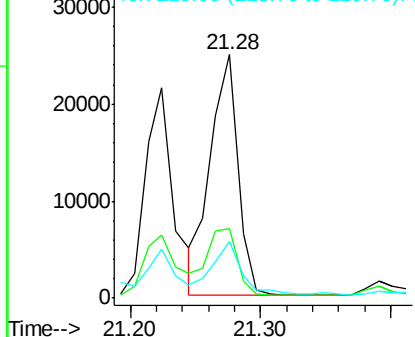
228 100

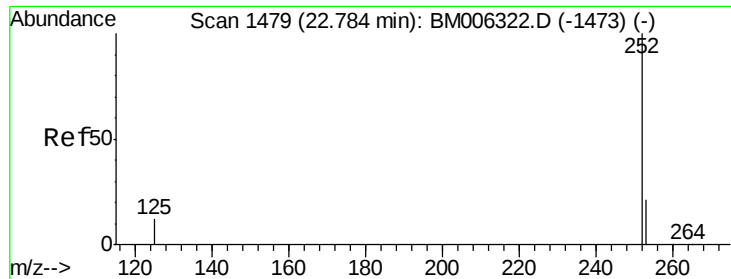
226 28.4 21.2 31.8

229 23.3 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/u1

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

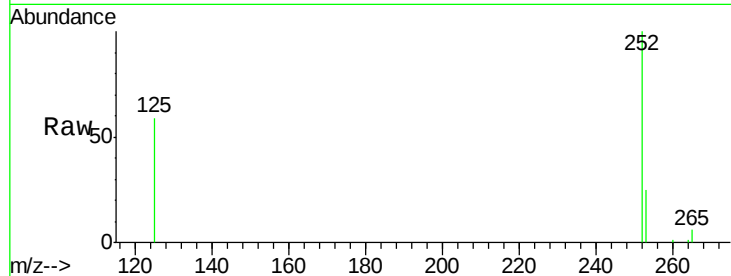
Tgt Ion:252 Resp: 29880

Ion Ratio Lower Upper

252 100

253 24.7 0.0 45.4

125 58.5 0.0 28.8#

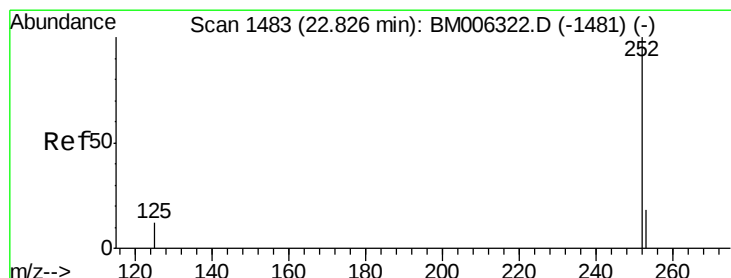
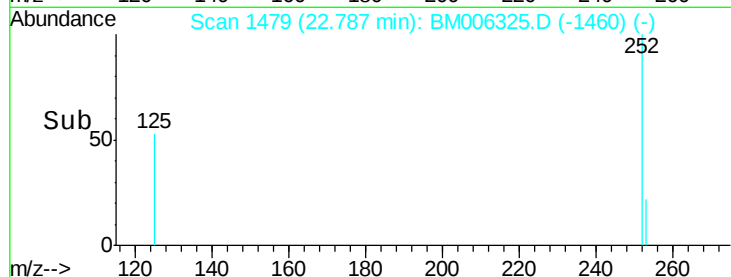
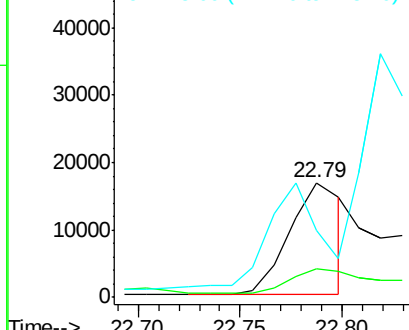


Abundance

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/u1

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

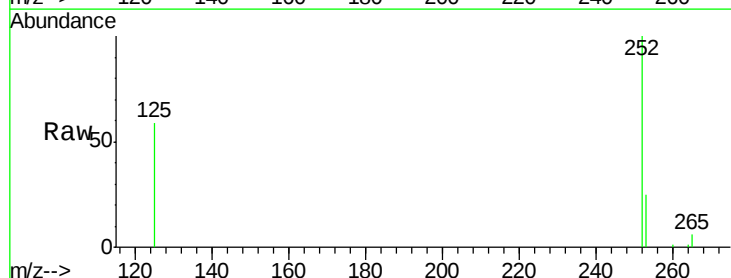
Tgt Ion:252 Resp: 49844

Ion Ratio Lower Upper

252 100

253 24.7 19.8 29.8

125 58.5 10.4 15.6#

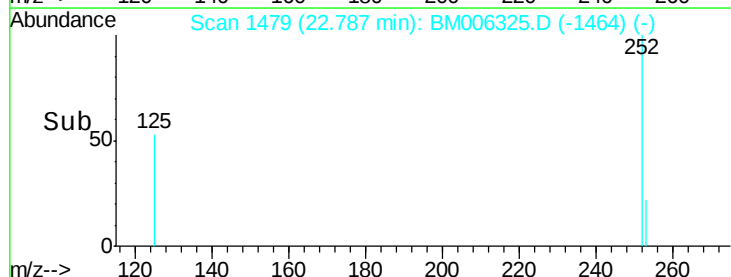
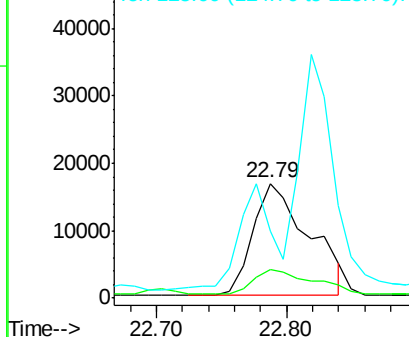


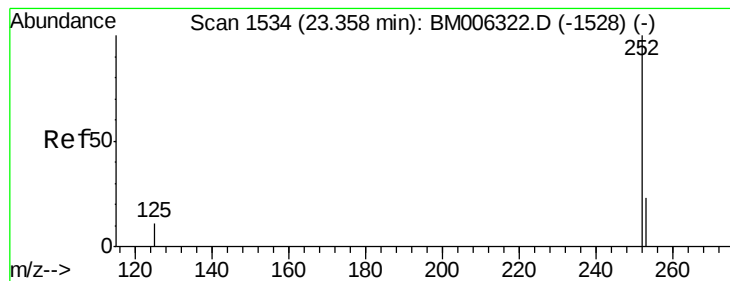
Abundance

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: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

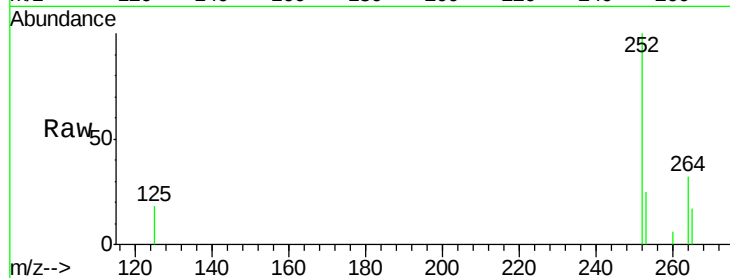
Tgt Ion: 252 Resp: 21812

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

125 18.4 12.7 19.1

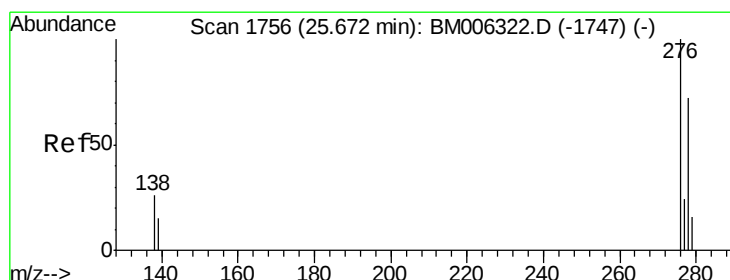
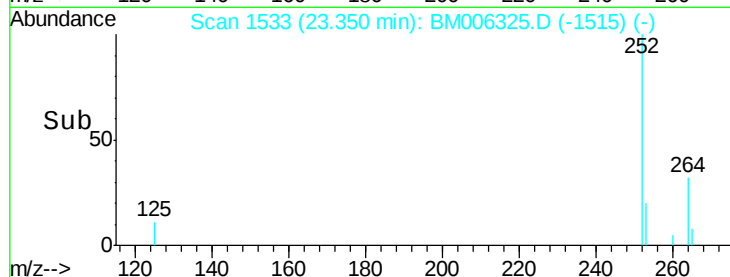
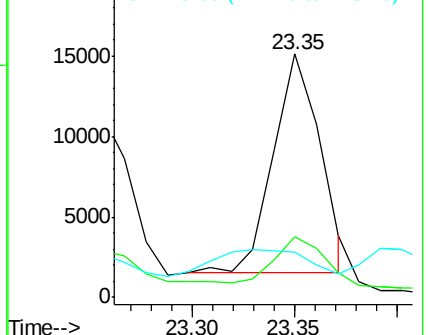


Abundance

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. -0.16 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

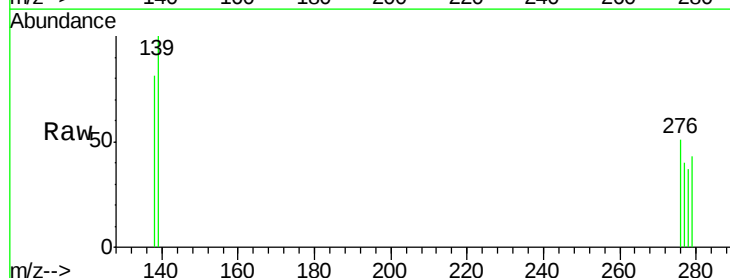
Tgt Ion: 276 Resp: 740

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 105.1 19.8 29.8#

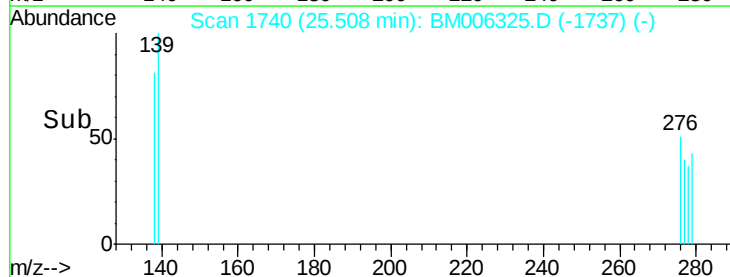
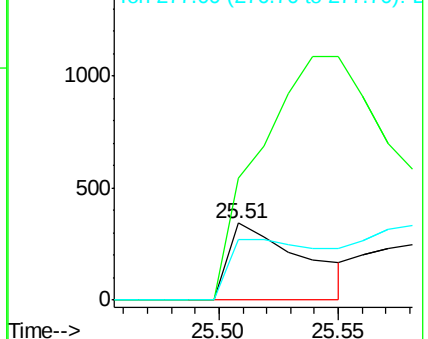


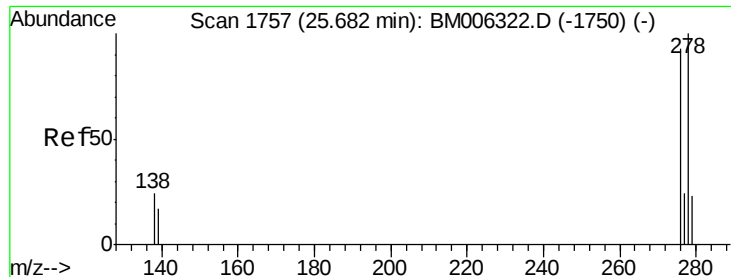
Abundance

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: 25.52 min Scan# 1741

Delta R.T. -0.16 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

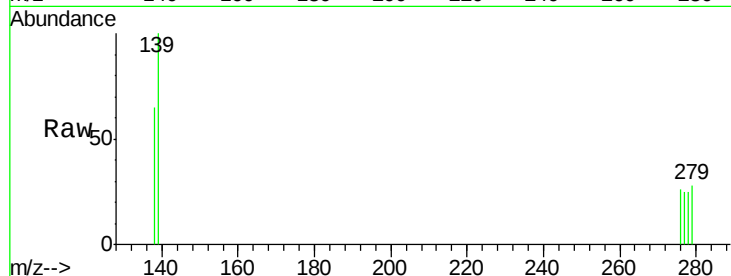
Tgt Ion: 278 Resp: 627

Ion Ratio Lower Upper

278 100

139 399.2 16.4 24.6#

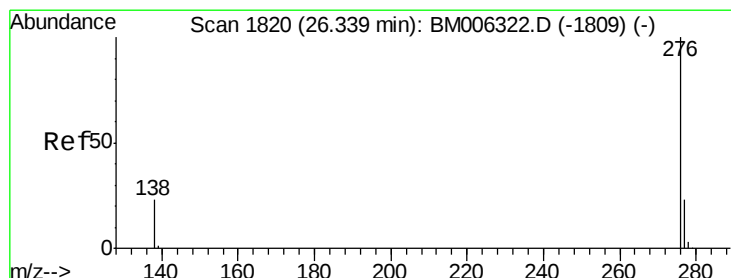
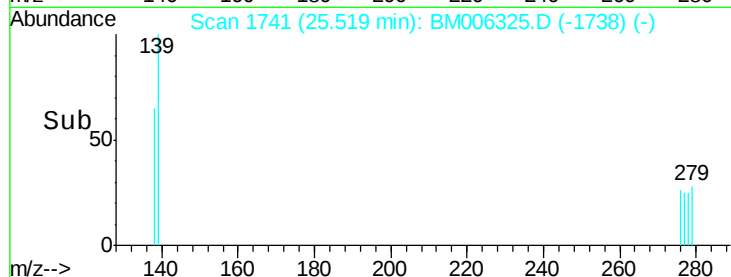
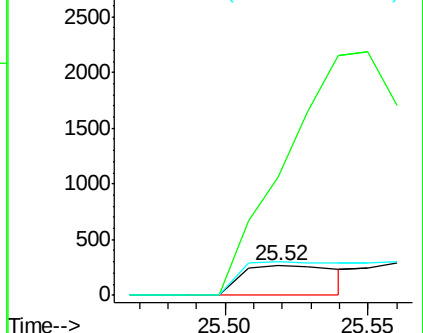
279 111.7 20.2 30.2#



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: 26.02 min Scan# 1789

Delta R.T. -0.32 min

Lab File: BM006325.D

Acq: 07 Jul 2016 18:41

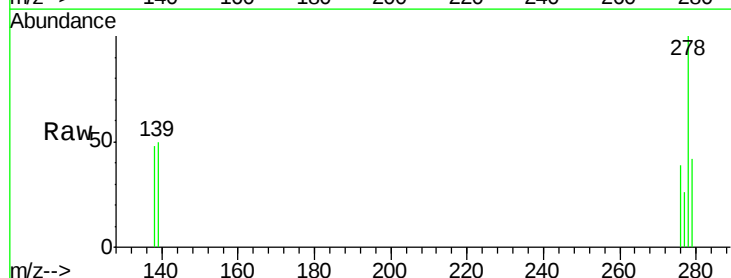
Tgt Ion: 276 Resp: 1007

Ion Ratio Lower Upper

276 100

277 66.4 18.9 28.3#

138 122.4 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

