

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
 Data File : BM008451.D
 Acq On : 19 Dec 2016 21:02
 Operator : UM/SJ
 Sample : H5938-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA837

Quant Time: Dec 20 03:44:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 03:40:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	375	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.43	136	1274	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.30	164	878	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.06	188	1680	0.40	ng/ul	-0.03
16) Chrysene-d12	21.27	240	1606	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	1593	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	330	0.17	ng/ul	-0.08
14) Fluoranthene-d10	19.10	212	844	0.18	ng/ul	-0.02

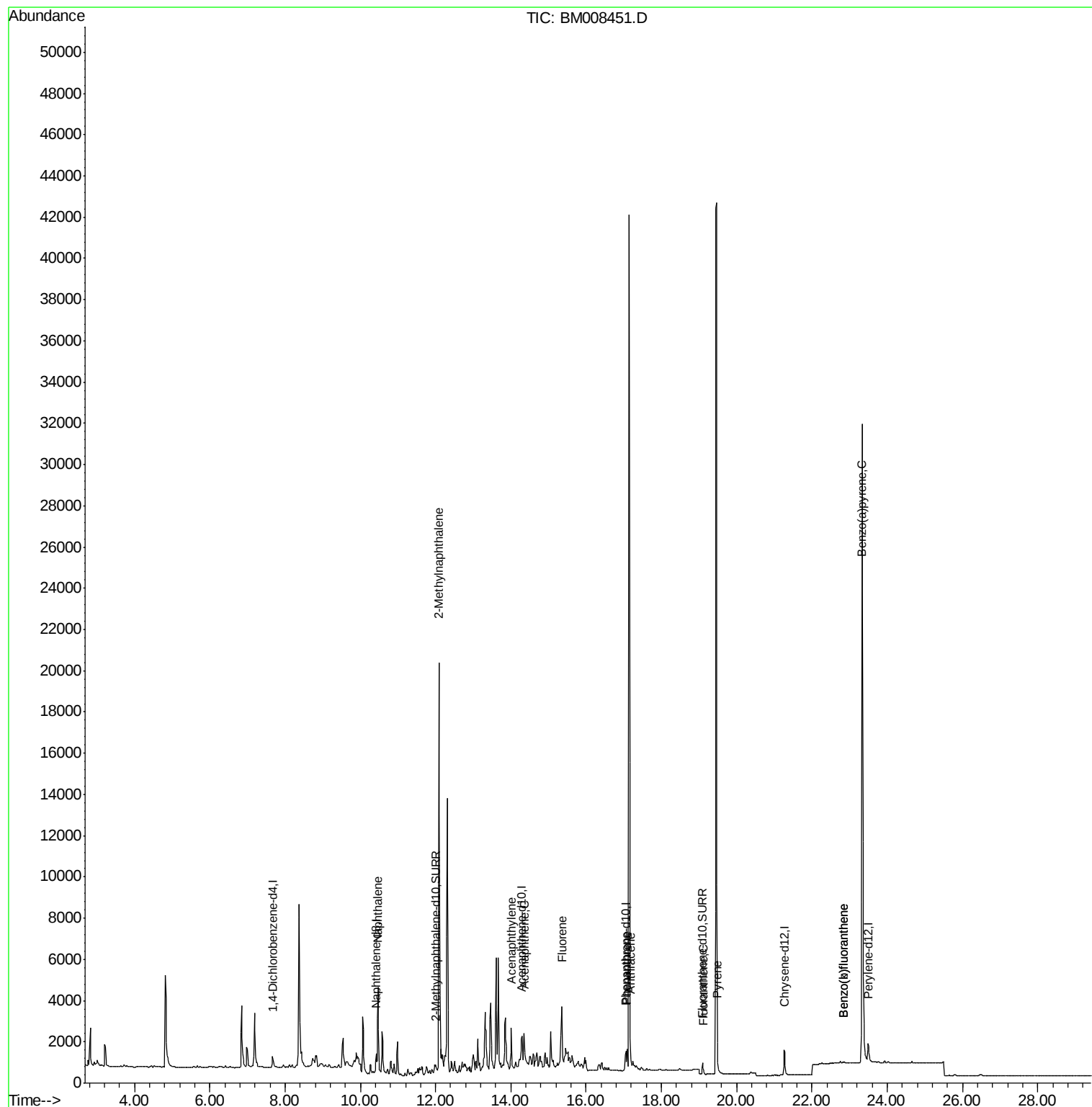
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	6053	1.69	ng/ul	96
5) 2-Methylnaphthalene	12.09	142	13528	5.61	ng/ul	99
7) Acenaphthylene	14.01	152	341	0.09	ng/ul#	1
8) Acenaphthene	14.35	153	1020	0.34	ng/ul	92
9) Fluorene	15.36	166	2769	0.81	ng/ul	97
12) Phenanthrene	17.09	178	1213	0.24	ng/ul#	89
13) Anthracene	17.18	178	294	0.06	ng/ul#	46
15) Fluoranthene	19.12	202	306	0.05	ng/ul#	36
17) Pyrene	19.48	202	381	0.06	ng/ul#	54
21) Benzo(b)fluoranthene	22.83	252	164	0.03	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	164	0.03	ng/ul#	1
23) Benzo(a)pyrene	23.33	252	290	0.05	ng/ul#	1

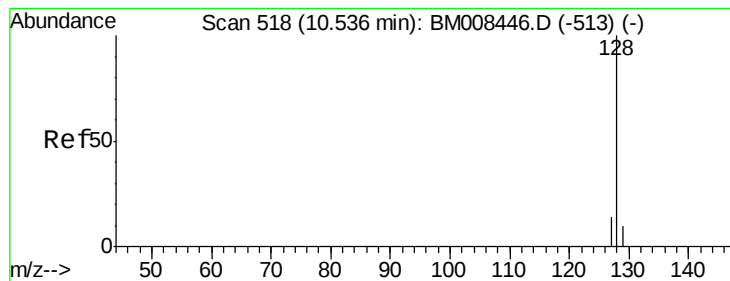
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.69 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.06 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

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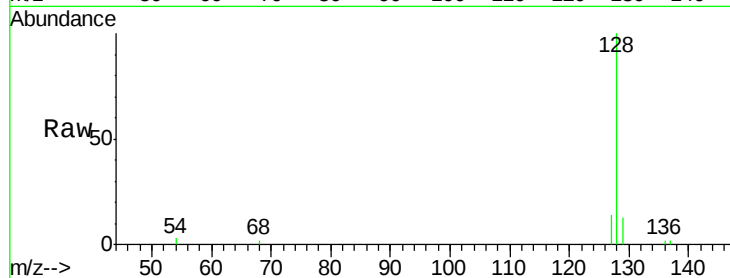
Tgt Ion:128 Resp: 6053

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

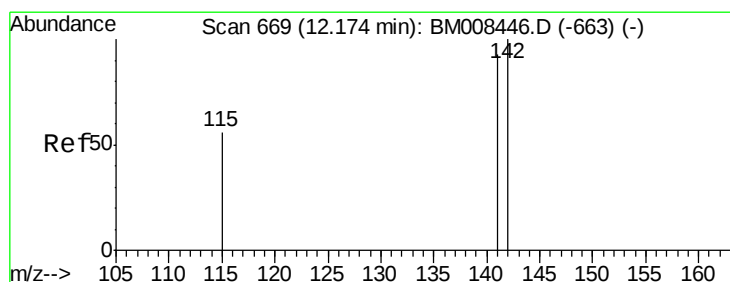
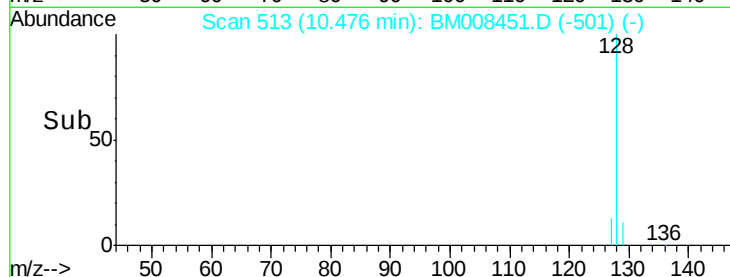
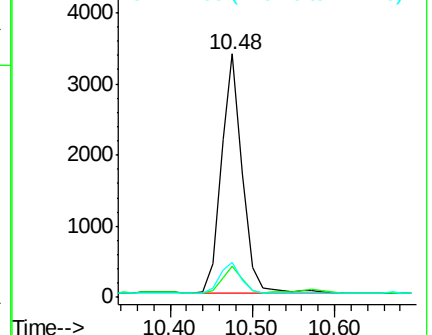
127 14.3 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 5.61 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.08 min

Lab File: BM008451.D

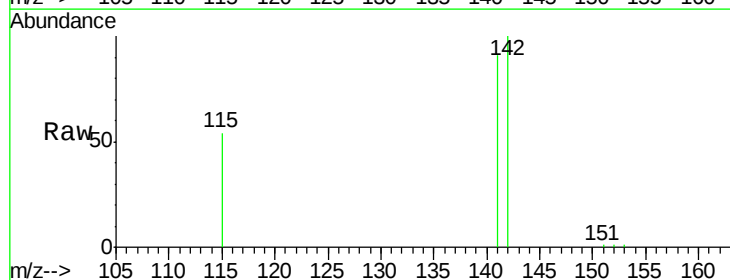
Acq: 19 Dec 2016 21:02

Tgt Ion:142 Resp: 13528

Ion Ratio Lower Upper

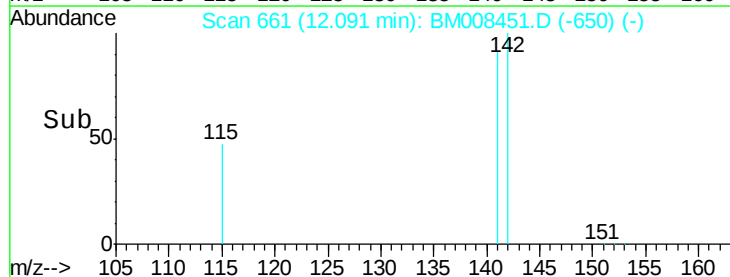
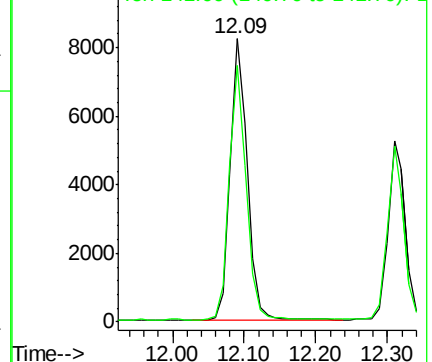
142 100

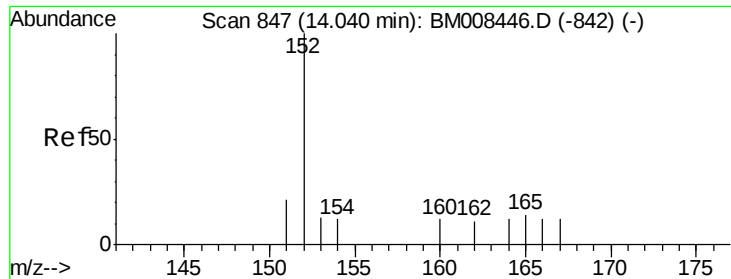
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

Instrument :

BNA_M

ClientSampleId :

DA837

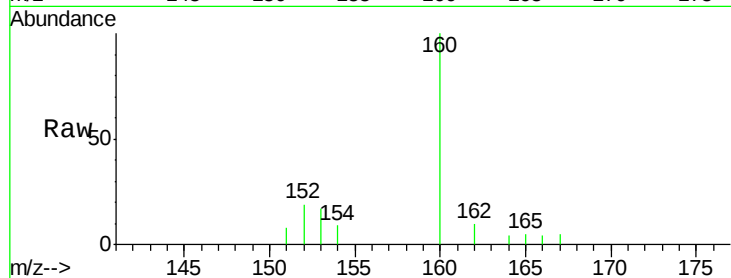
Tgt Ion:152 Resp: 341

Ion Ratio Lower Upper

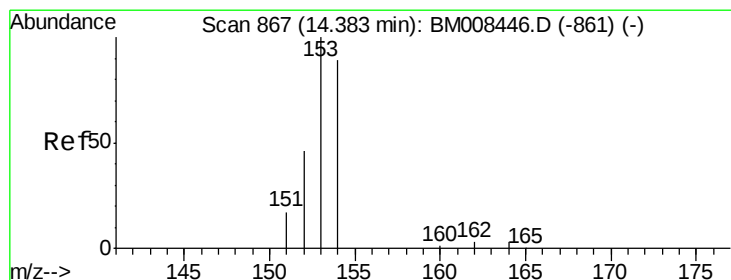
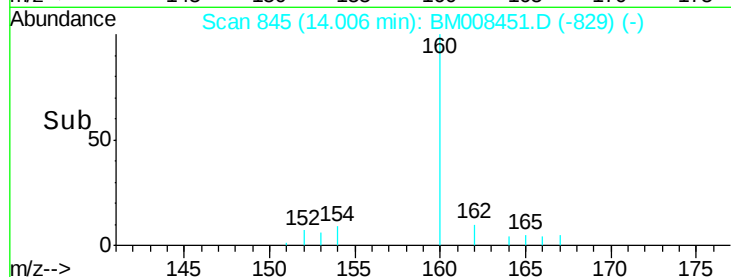
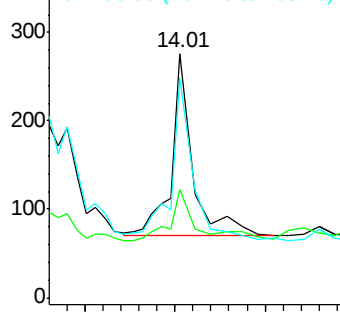
152 100

151 44.2 17.1 25.7#

153 90.2 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.34 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

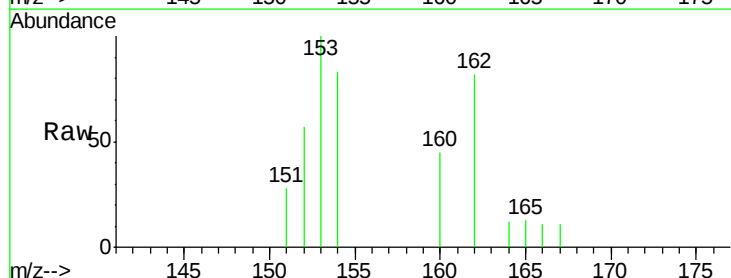
Tgt Ion:153 Resp: 1020

Ion Ratio Lower Upper

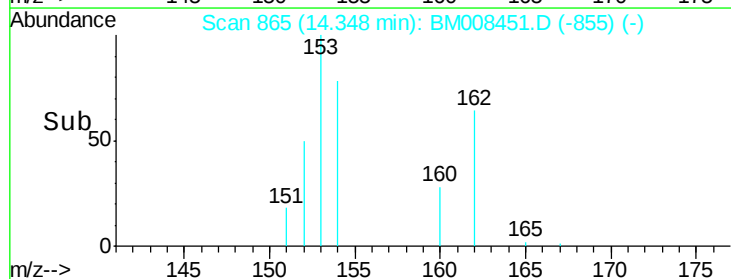
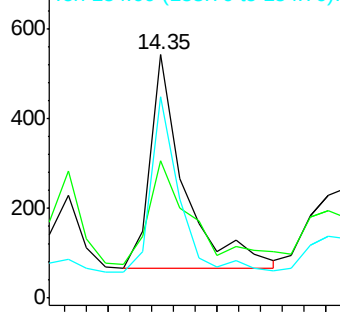
153 100

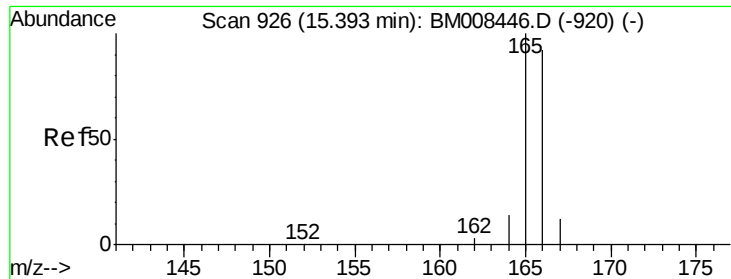
152 56.6 40.3 60.5

154 82.8 71.4 107.2



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

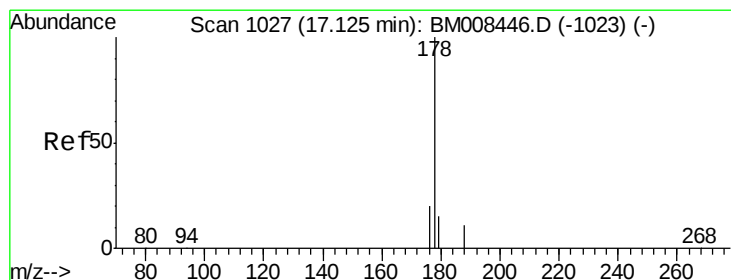
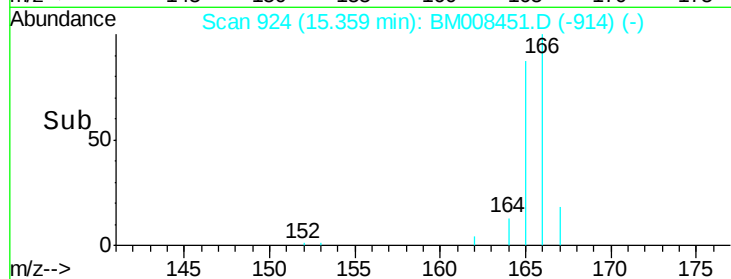
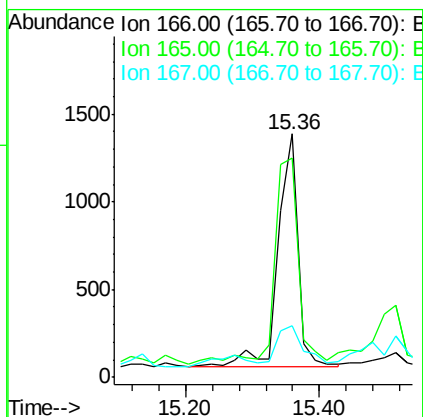
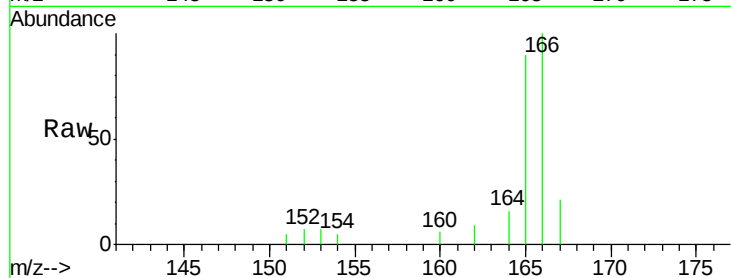




#9
Fluorene
 Concen: 0.81 ng/ul
 RT: 15.36 min Scan# 924
 Delta R.T. -0.03 min
 Lab File: BM008451.D
 Acq: 19 Dec 2016 21:02

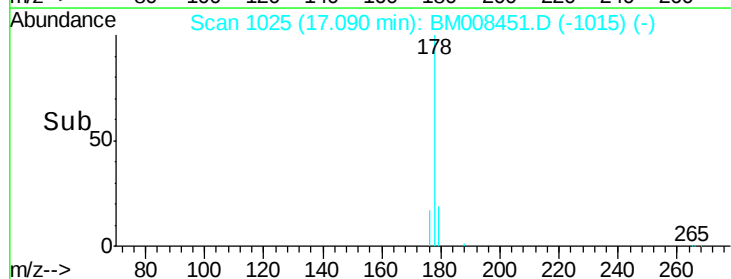
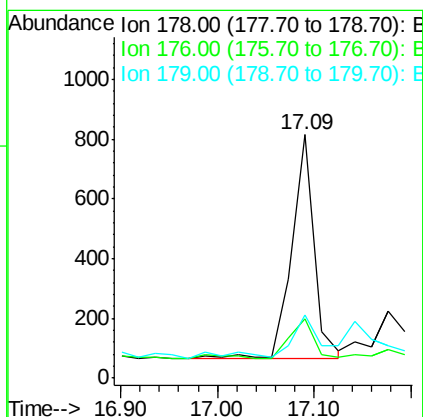
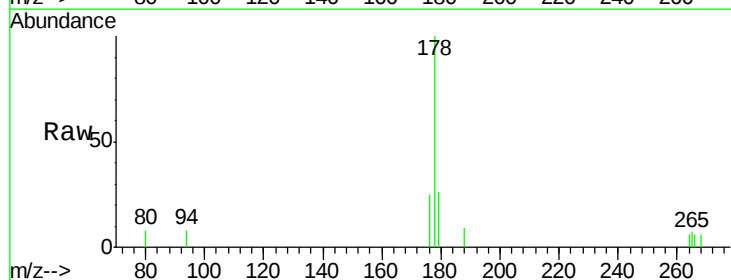
Instrument :
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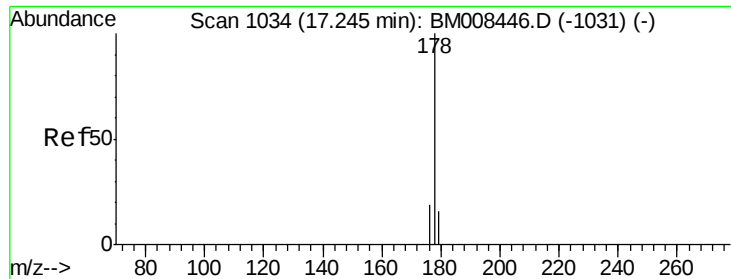
Tgt Ion:166 Resp: 2769
 Ion Ratio Lower Upper
 166 100
 165 89.8 73.4 110.2
 167 21.0 14.6 22.0



#12
Phenanthrene
 Concen: 0.24 ng/ul
 RT: 17.09 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BM008451.D
 Acq: 19 Dec 2016 21:02

Tgt Ion:178 Resp: 1213
 Ion Ratio Lower Upper
 178 100
 176 24.6 18.4 27.6
 179 26.1 13.6 20.4#





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.07 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

Instrument :

BNA_M

ClientSampleId :

DA837

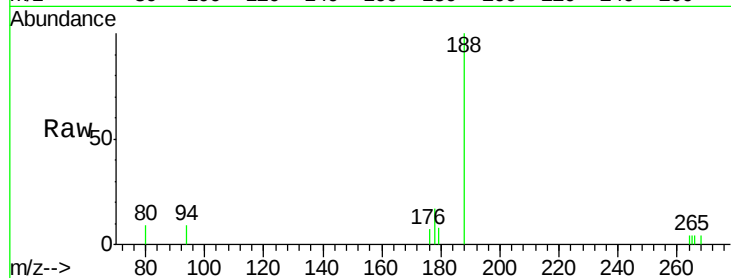
Tgt Ion:178 Resp: 294

Ion Ratio Lower Upper

178 100

176 43.0 18.1 27.1#

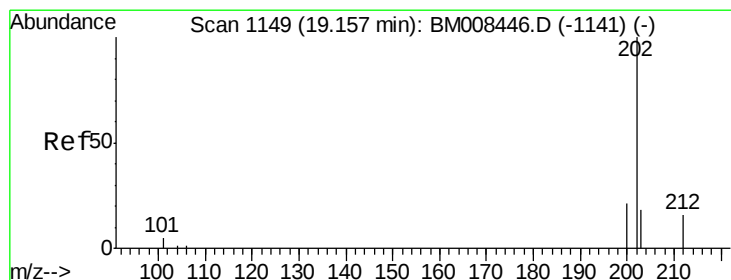
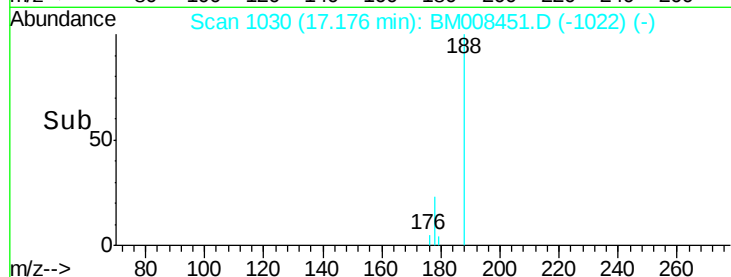
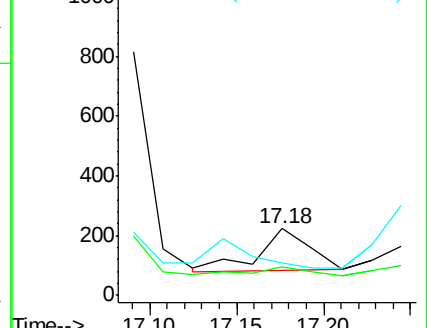
179 48.4 14.7 22.1#



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

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.04 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

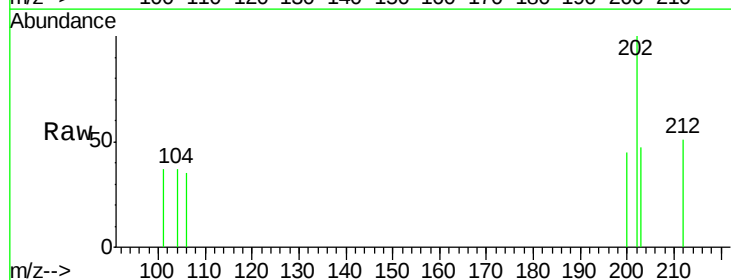
Tgt Ion:202 Resp: 306

Ion Ratio Lower Upper

202 100

101 36.9 0.0 30.3#

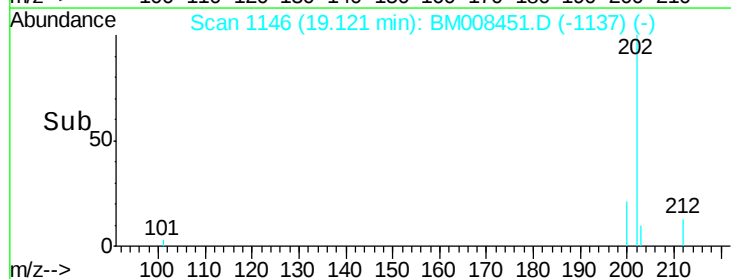
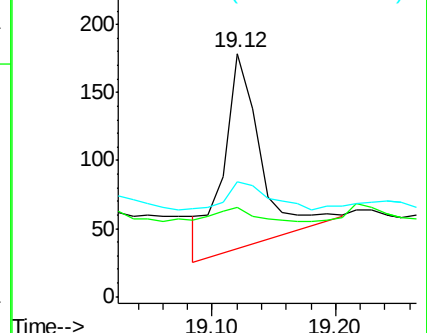
203 46.9 0.0 39.5#

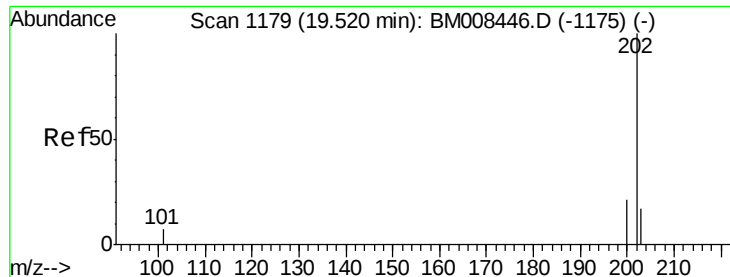


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.06 ng/ul

RT: 19.48 min Scan# 1176

Delta R.T. -0.04 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

Instrument :

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ClientSampleId :

DA837

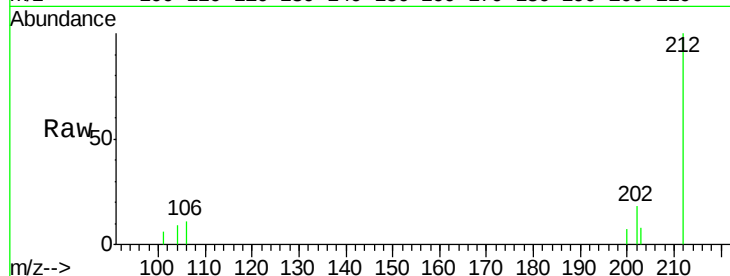
Tgt Ion:202 Resp: 381

Ion Ratio Lower Upper

202 100

200 39.8 18.2 27.4#

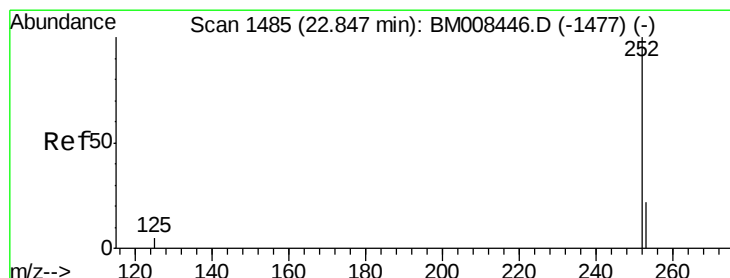
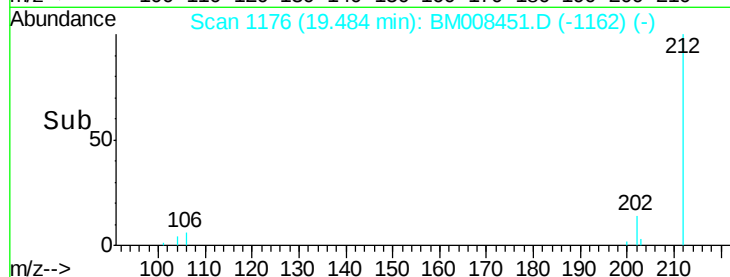
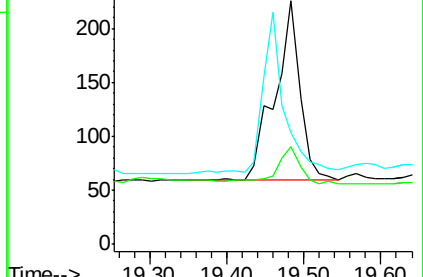
203 46.0 15.6 23.4#



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



#21

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

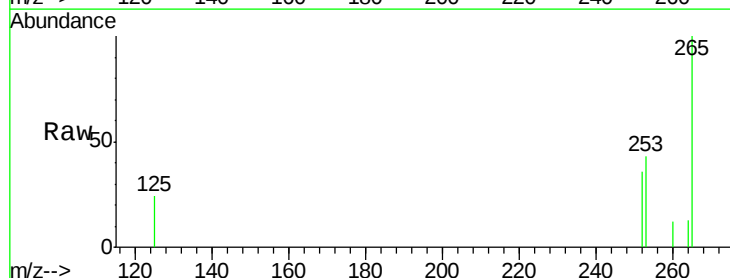
Tgt Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

253 119.0 0.0 64.2#

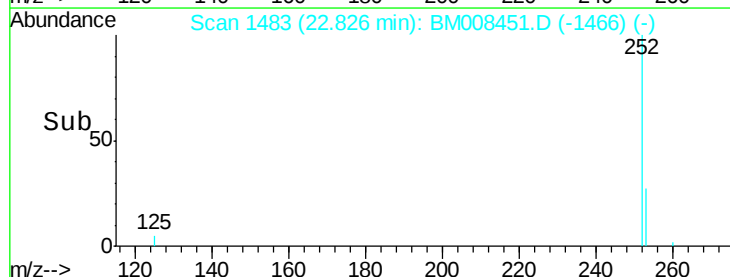
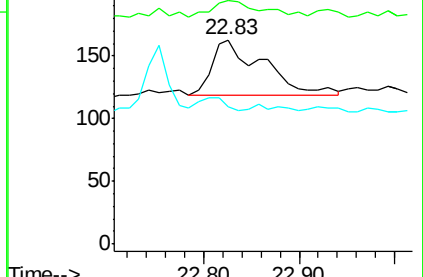
125 67.5 0.0 35.0#

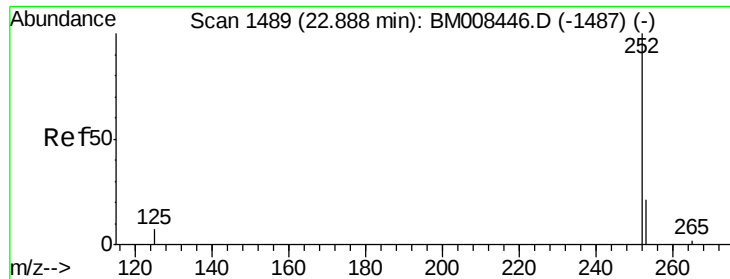


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.06 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

Instrument :

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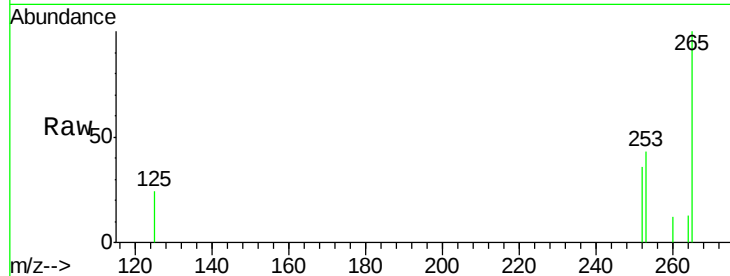
Tgt Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

253 119.0 24.5 36.7#

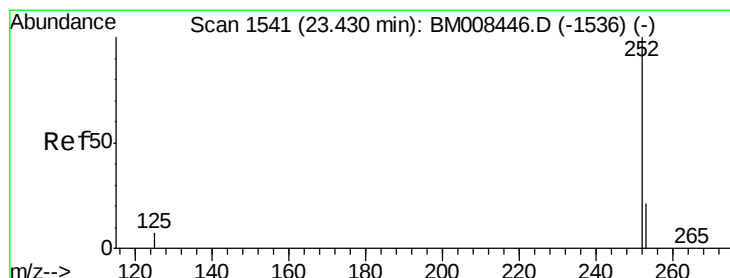
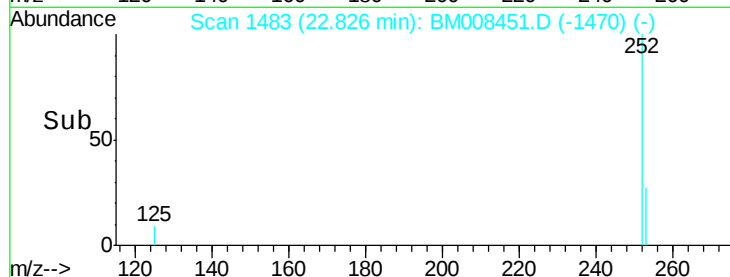
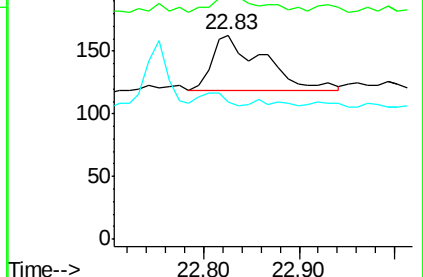
125 67.5 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. -0.10 min

Lab File: BM008451.D

Acq: 19 Dec 2016 21:02

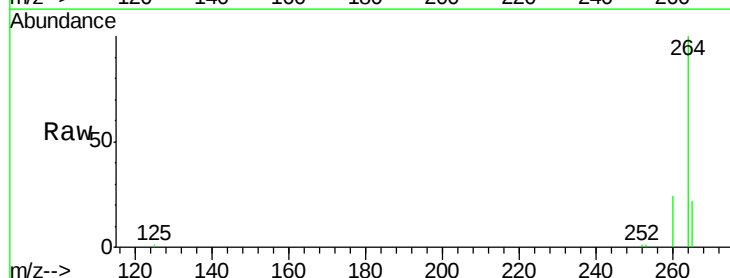
Tgt Ion:252 Resp: 290

Ion Ratio Lower Upper

252 100

253 102.9 28.5 42.7#

125 71.6 18.1 27.1#



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

