

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008640.D
 Acq On : 24 Dec 2016 19:25
 Operator : UM/SJ
 Sample : H6040-17DL 2X
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8X0DL

Quant Time: Dec 26 00:01:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 25 23:48:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	459	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.42	136	1430	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.28	164	821	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1582	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	1385	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1676	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	182	0.08	ng/ul	-0.04
14) Fluoranthene-d10	19.08	212	831	0.19	ng/ul	-0.01

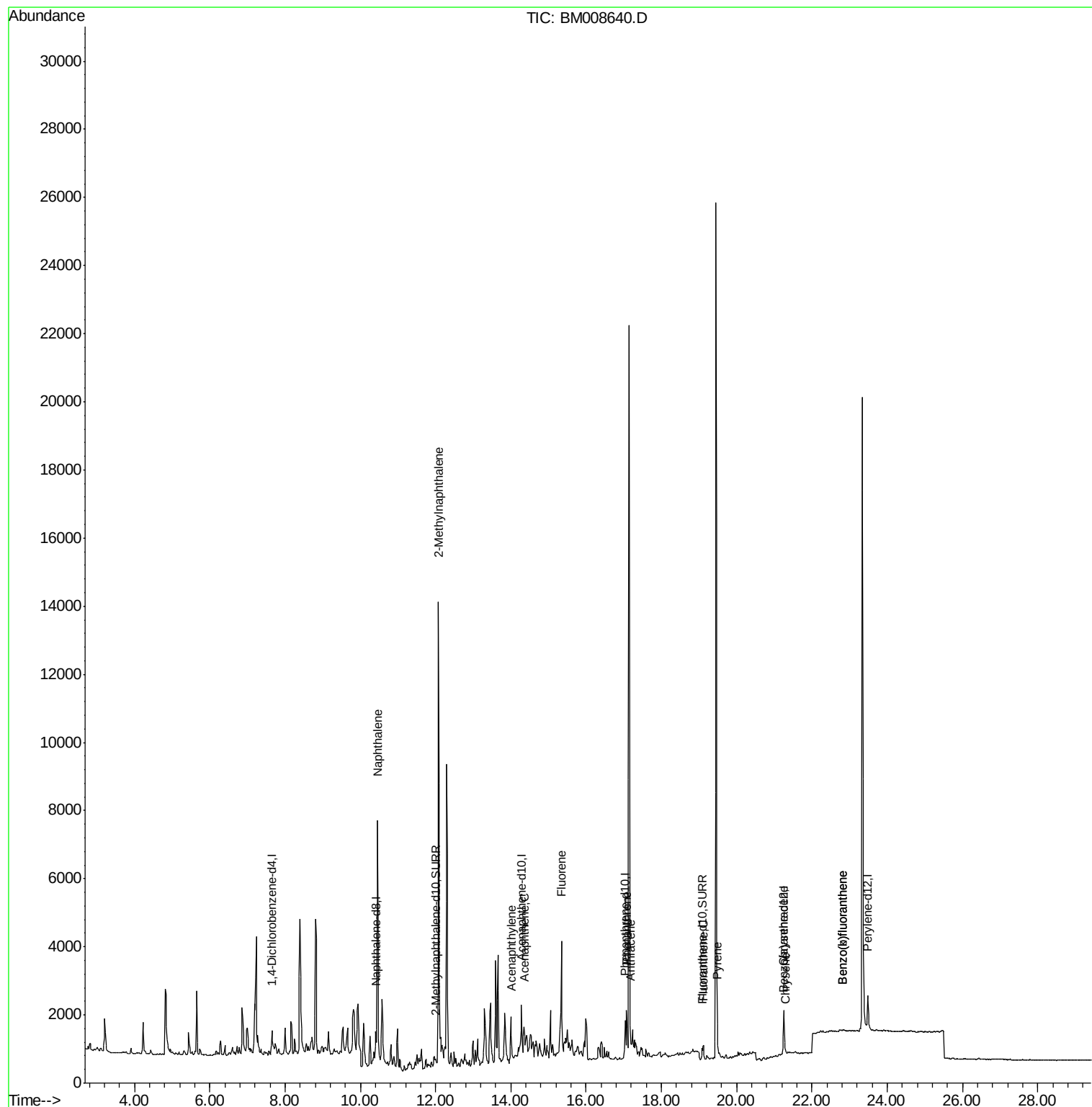
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	10828	2.69	ng/ul	95
5) 2-Methylnaphthalene	12.08	142	9888	3.65	ng/ul	100
7) Acenaphthylene	14.01	152	217	0.06	ng/ul#	1
8) Acenaphthene	14.35	153	598	0.21	ng/ul#	90
9) Fluorene	15.34	166	2518	0.79	ng/ul	90
12) Phenanthrene	17.07	178	2092	0.43	ng/ul#	86
13) Anthracene	17.18	178	478	0.10	ng/ul#	69
15) Fluoranthene	19.12	202	717	0.12	ng/ul#	55
17) Pyrene	19.48	202	853	0.16	ng/ul#	69
18) Benzo(a)anthracene	21.24	228	226	0.05	ng/ul#	1
19) Chrysene	21.29	228	170	0.03	ng/ul#	1
21) Benzo(b)fluoranthene	22.82	252	163	0.02	ng/ul#	1
22) Benzo(k)fluoranthene	22.82	252	153	0.02	ng/ul#	1

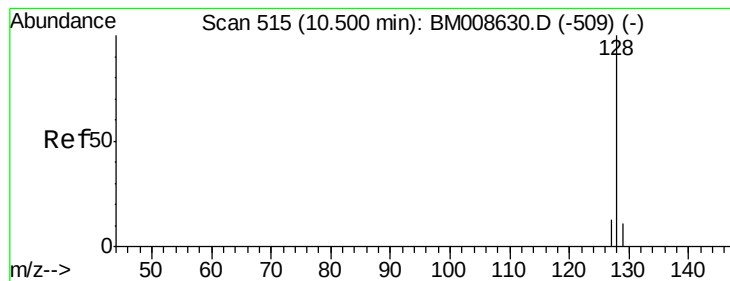
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.69 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.04 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

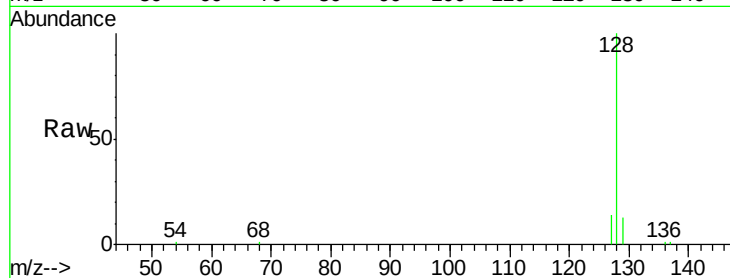
Tgt Ion:128 Resp: 10828

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

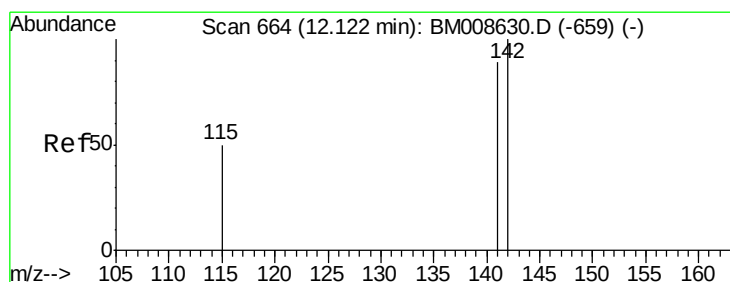
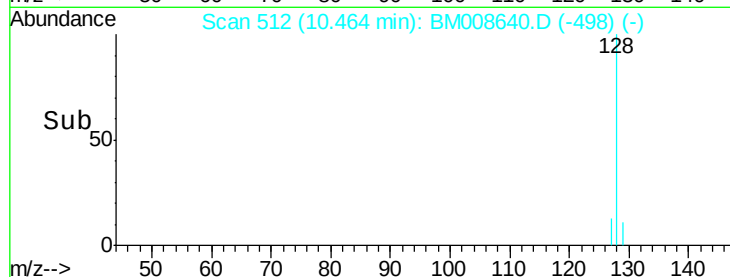
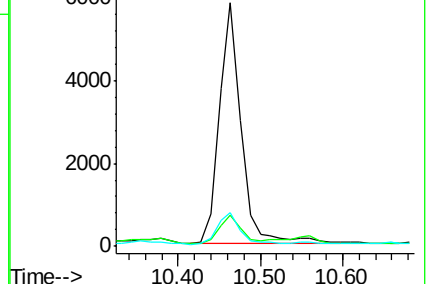
127 13.8 12.8 19.2



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: 3.65 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.04 min

Lab File: BM008640.D

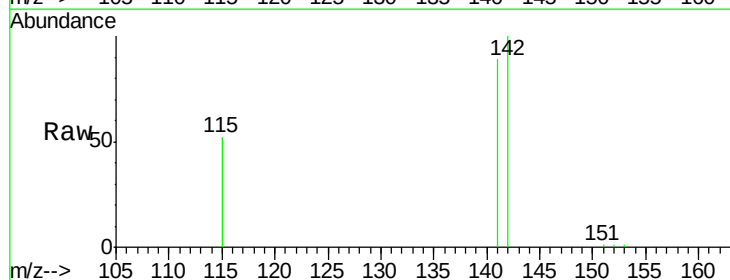
Acq: 24 Dec 2016 19:25

Tgt Ion:142 Resp: 9888

Ion Ratio Lower Upper

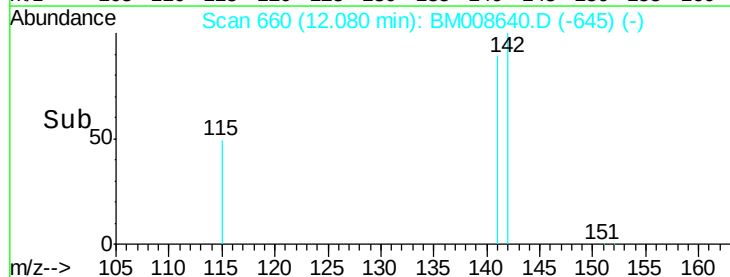
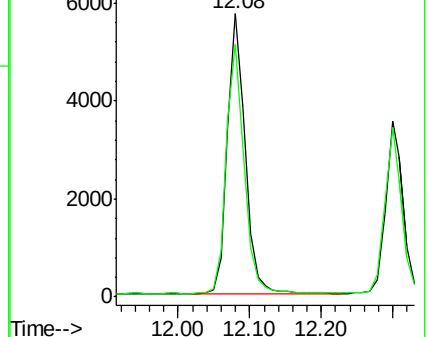
142 100

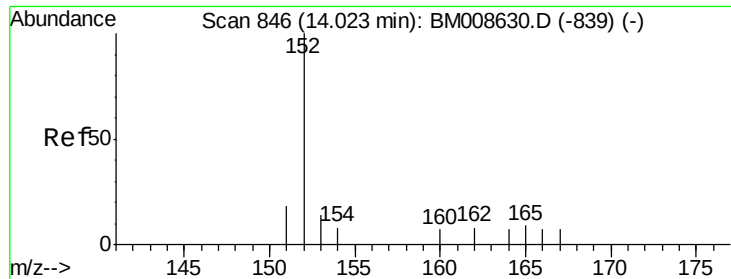
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

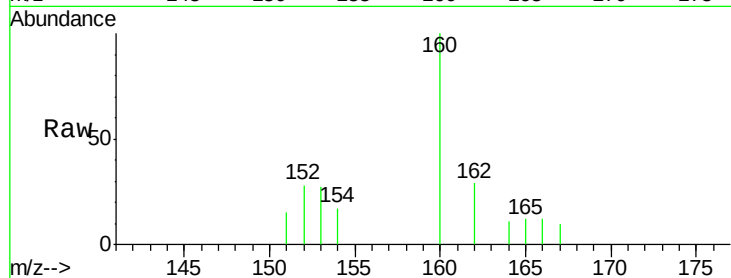
Tgt Ion:152 Resp: 217

Ion Ratio Lower Upper

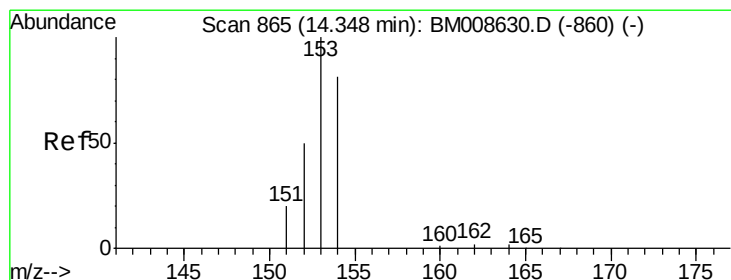
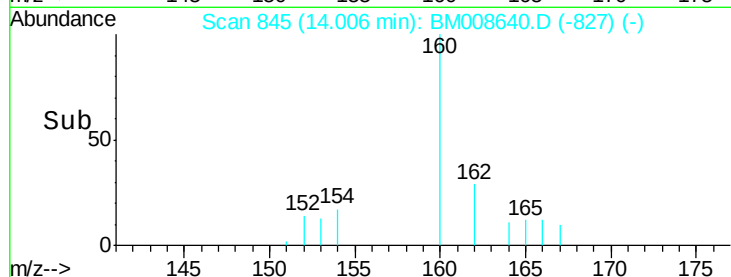
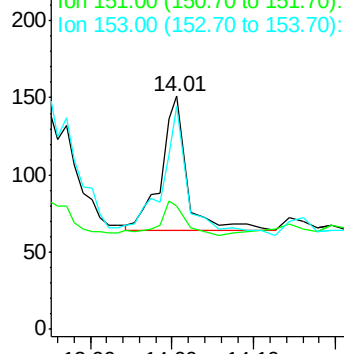
152 100

151 53.0 17.1 25.7#

153 96.0 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: 0.21 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

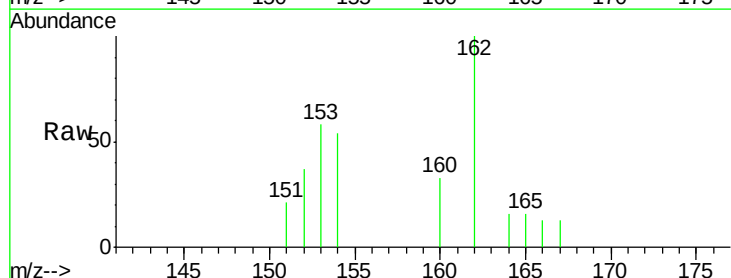
Tgt Ion:153 Resp: 598

Ion Ratio Lower Upper

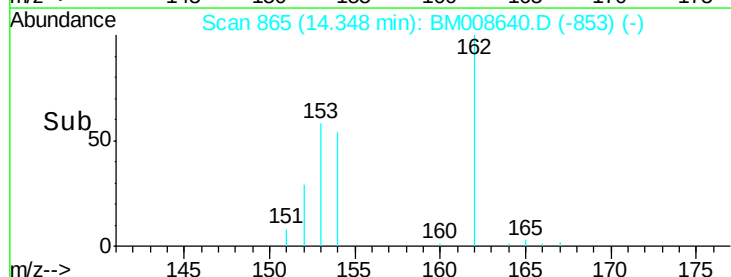
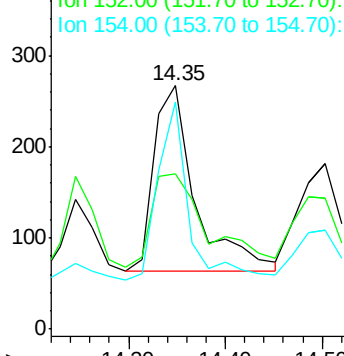
153 100

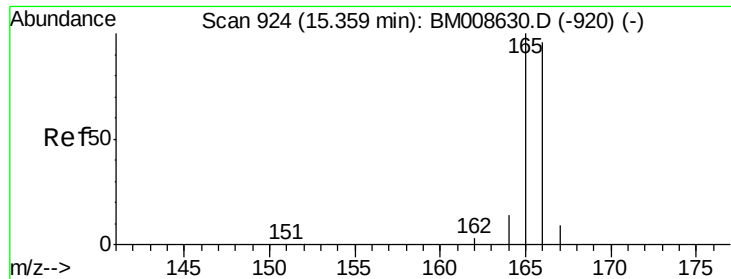
152 63.7 40.3 60.5#

154 93.3 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

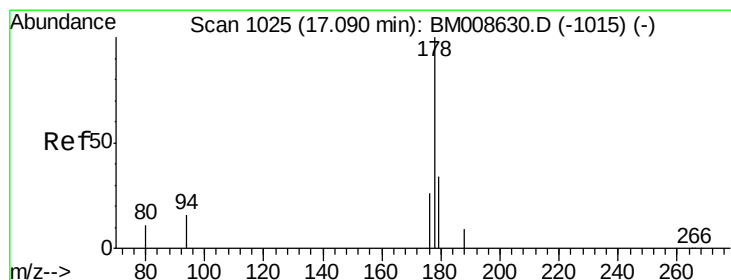
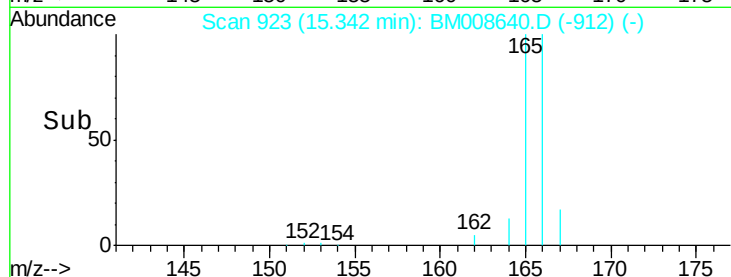
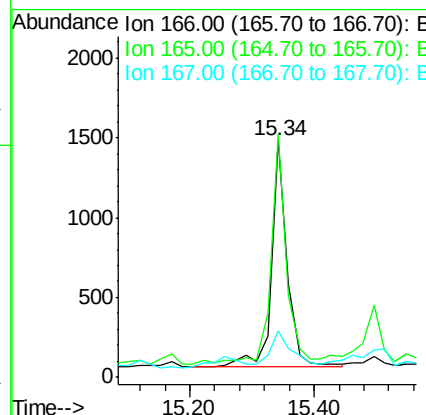
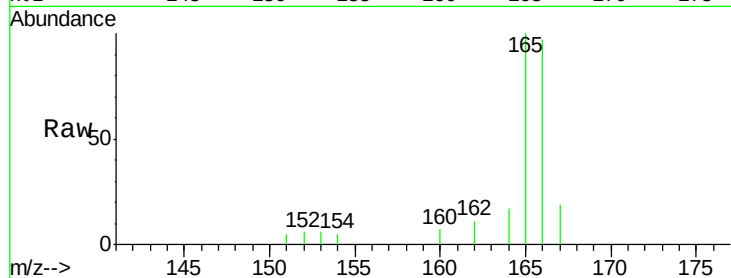




#9
Fluorene
 Concen: 0.79 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: BM008640.D
 Acq: 24 Dec 2016 19:25

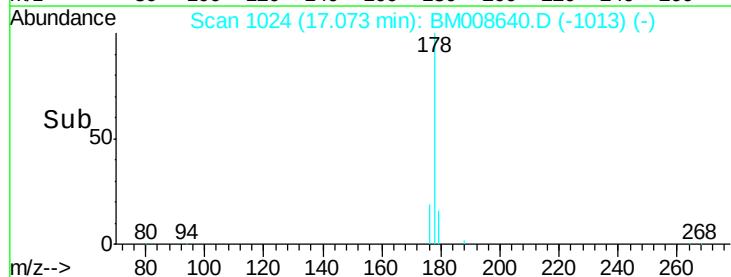
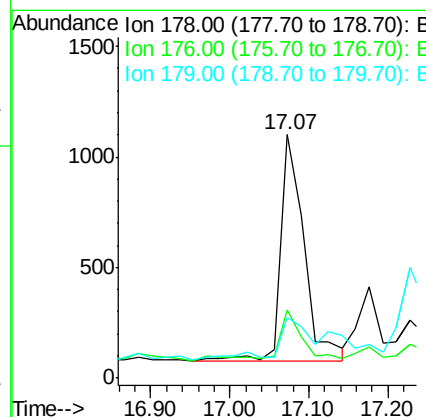
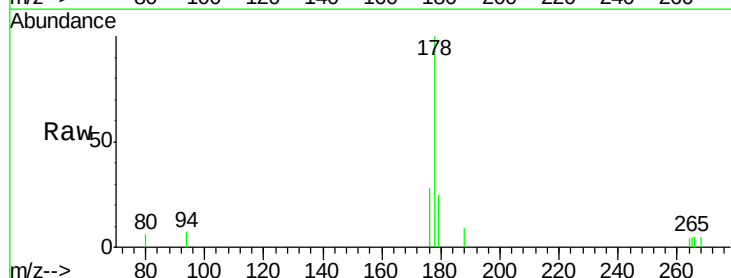
Instrument :
 BNA_M
 ClientSampleId :
 DA8X0DL

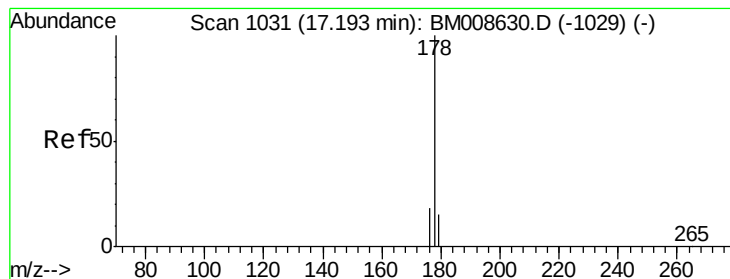
Tgt Ion:166 Resp: 2518
 Ion Ratio Lower Upper
 166 100
 165 102.9 73.4 110.2
 167 19.8 14.6 22.0



#12
Phenanthrene
 Concen: 0.43 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BM008640.D
 Acq: 24 Dec 2016 19:25

Tgt Ion:178 Resp: 2092
 Ion Ratio Lower Upper
 178 100
 176 27.8 18.4 27.6#
 179 25.0 13.6 20.4#





#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

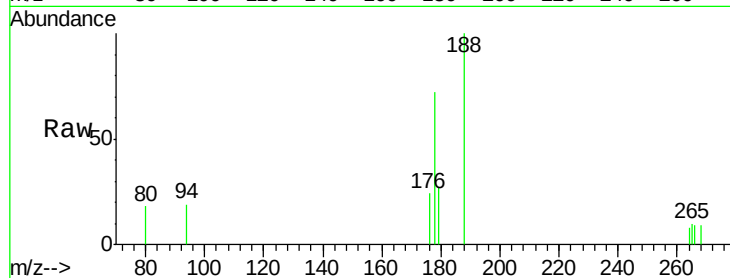
Tgt Ion:178 Resp: 478

Ion Ratio Lower Upper

178 100

176 33.6 18.1 27.1#

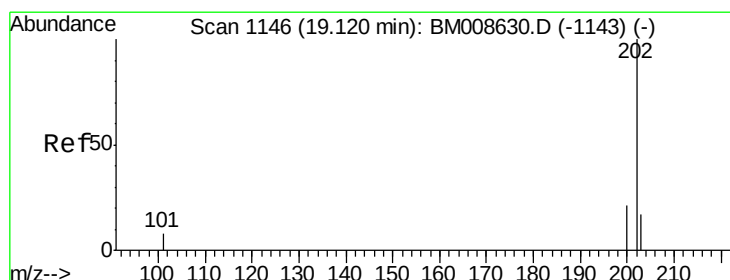
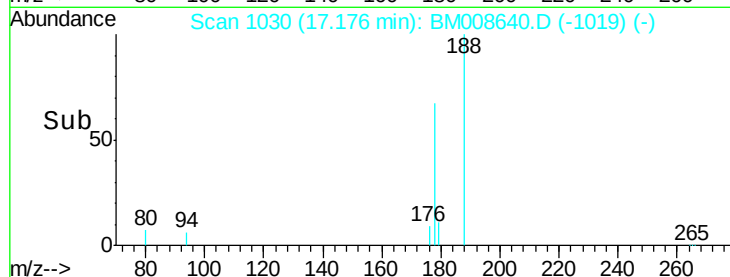
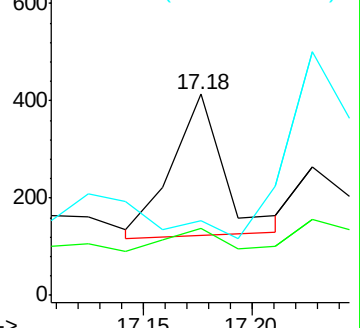
179 37.2 14.7 22.1#



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: 0.12 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

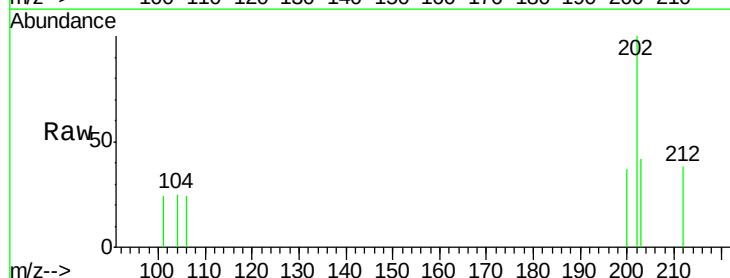
Tgt Ion:202 Resp: 717

Ion Ratio Lower Upper

202 100

101 23.6 0.0 30.3

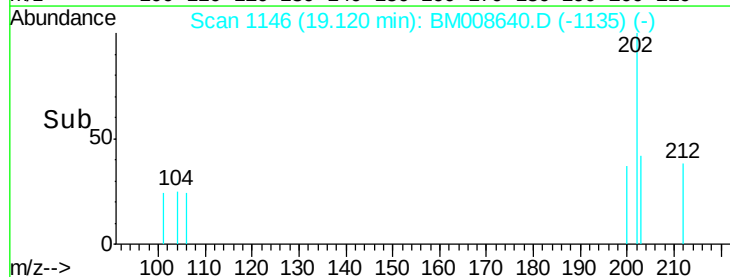
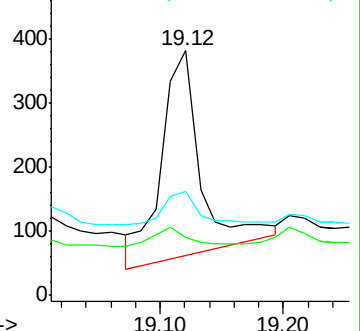
203 42.3 0.0 39.5#

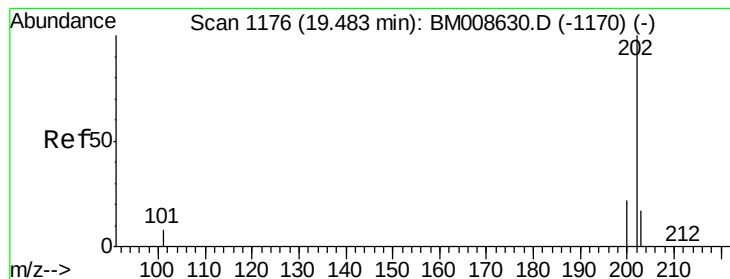


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.16 ng/ul

RT: 19.48 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

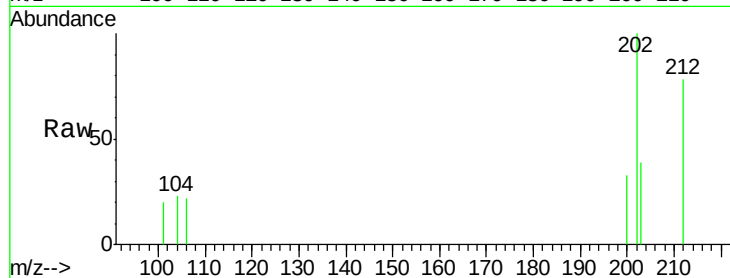
Tgt Ion:202 Resp: 853

Ion Ratio Lower Upper

202 100

200 33.0 18.2 27.4#

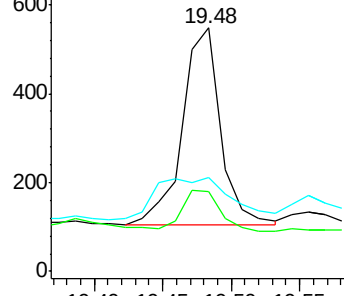
203 38.7 15.6 23.4#



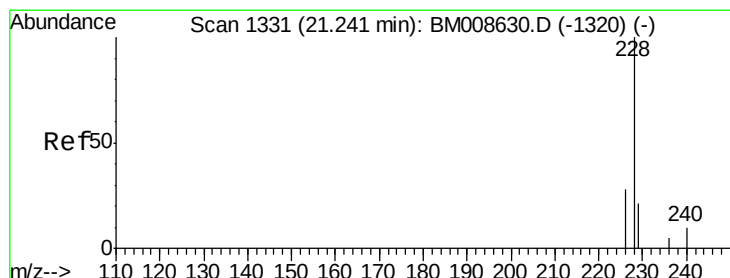
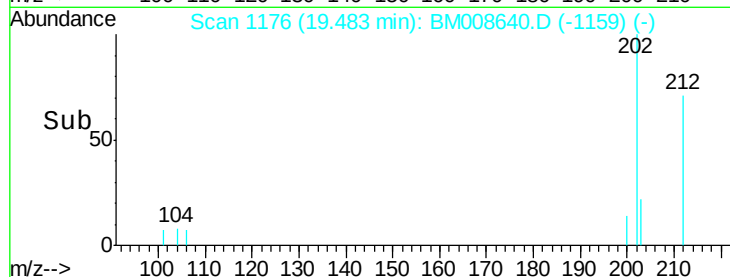
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.24 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

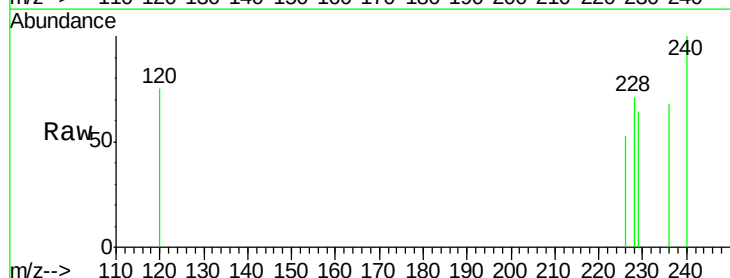
Tgt Ion:228 Resp: 226

Ion Ratio Lower Upper

228 100

226 75.3 22.8 34.2#

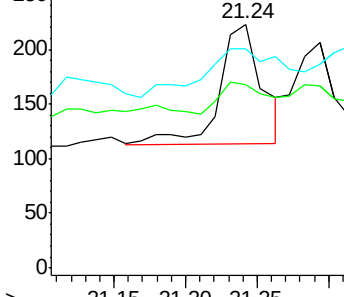
229 90.1 17.0 25.6#



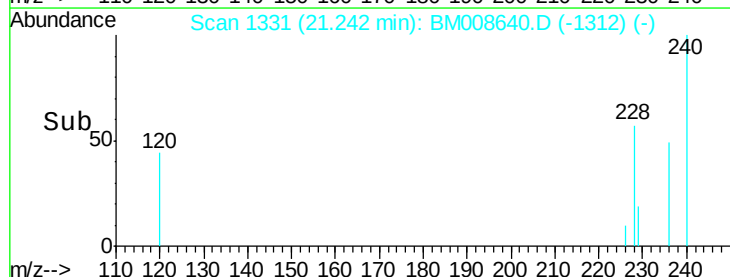
Abundance Ion 228.00 (227.70 to 228.70): E

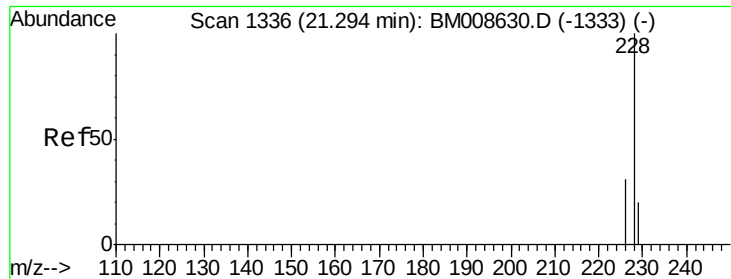
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

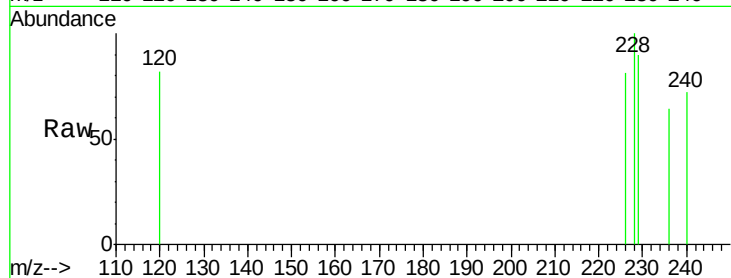
Tgt Ion:228 Resp: 170

Ion Ratio Lower Upper

228 100

226 80.7 23.4 35.0#

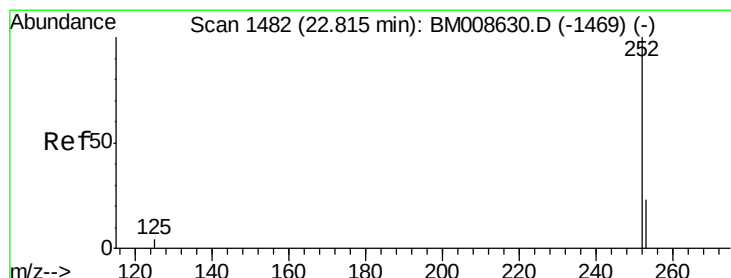
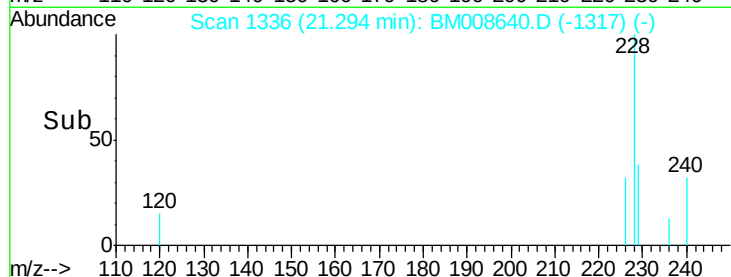
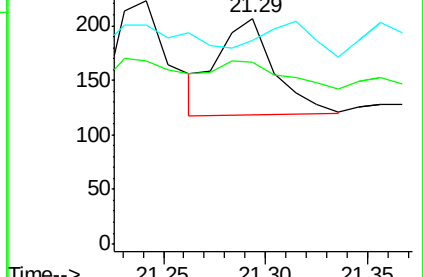
229 90.3 17.7 26.5#



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

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM008640.D

Acq: 24 Dec 2016 19:25

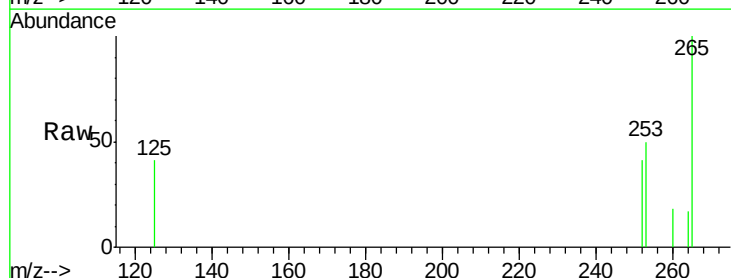
Tgt Ion:252 Resp: 163

Ion Ratio Lower Upper

252 100

253 122.4 0.0 64.2#

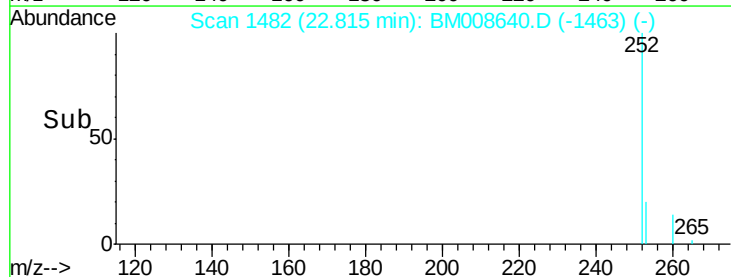
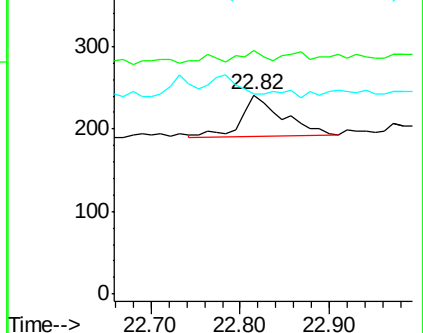
125 100.4 0.0 35.0#

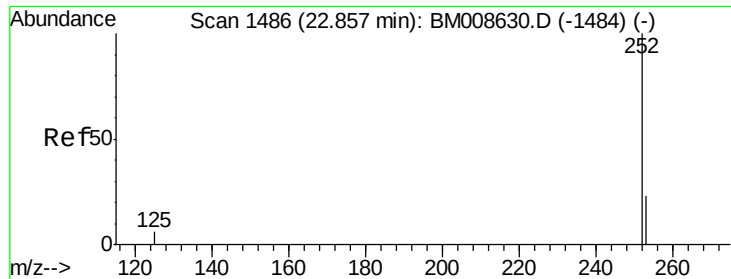


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.04 min

Lab File: BM008640.D

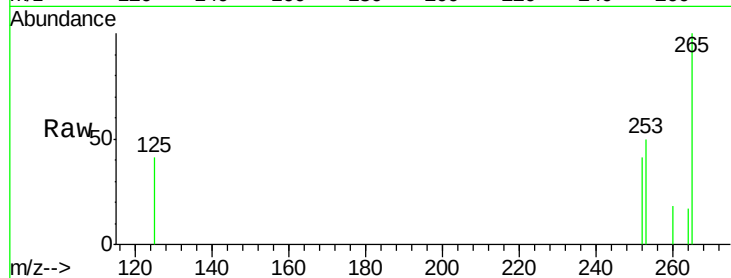
Acq: 24 Dec 2016 19:25

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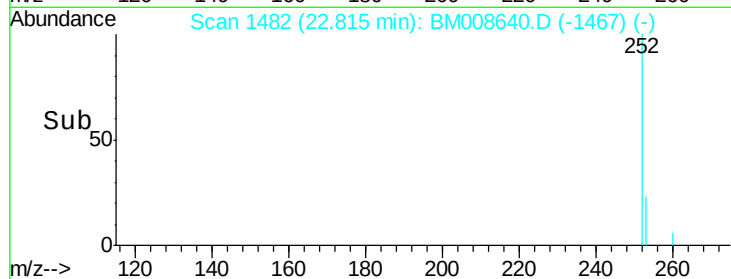
Tgt Ion: 252 Resp: 153

Ion Ratio Lower Upper

252 100

253 122.4 24.5 36.7#

125 100.4 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

22.82

Time-->