

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
 Data File : BM008463.D
 Acq On : 20 Dec 2016 04:12
 Operator : UM/SJ
 Sample : H5938-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA835

Quant Time: Dec 20 04:51:57 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 04:48:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	440	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.42	136	2966	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.16	164	214	0.40	ng/ul	-0.15
10) Phenanthrene-d10	16.99	188	1958	0.40	ng/ul	-0.10
16) Chrysene-d12	21.15	240	54	0.40	ng/ul	-0.13
20) Perylene-d12	23.33	264	72875	0.40	ng/ul	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	683	0.15	ng/ul	-0.08
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

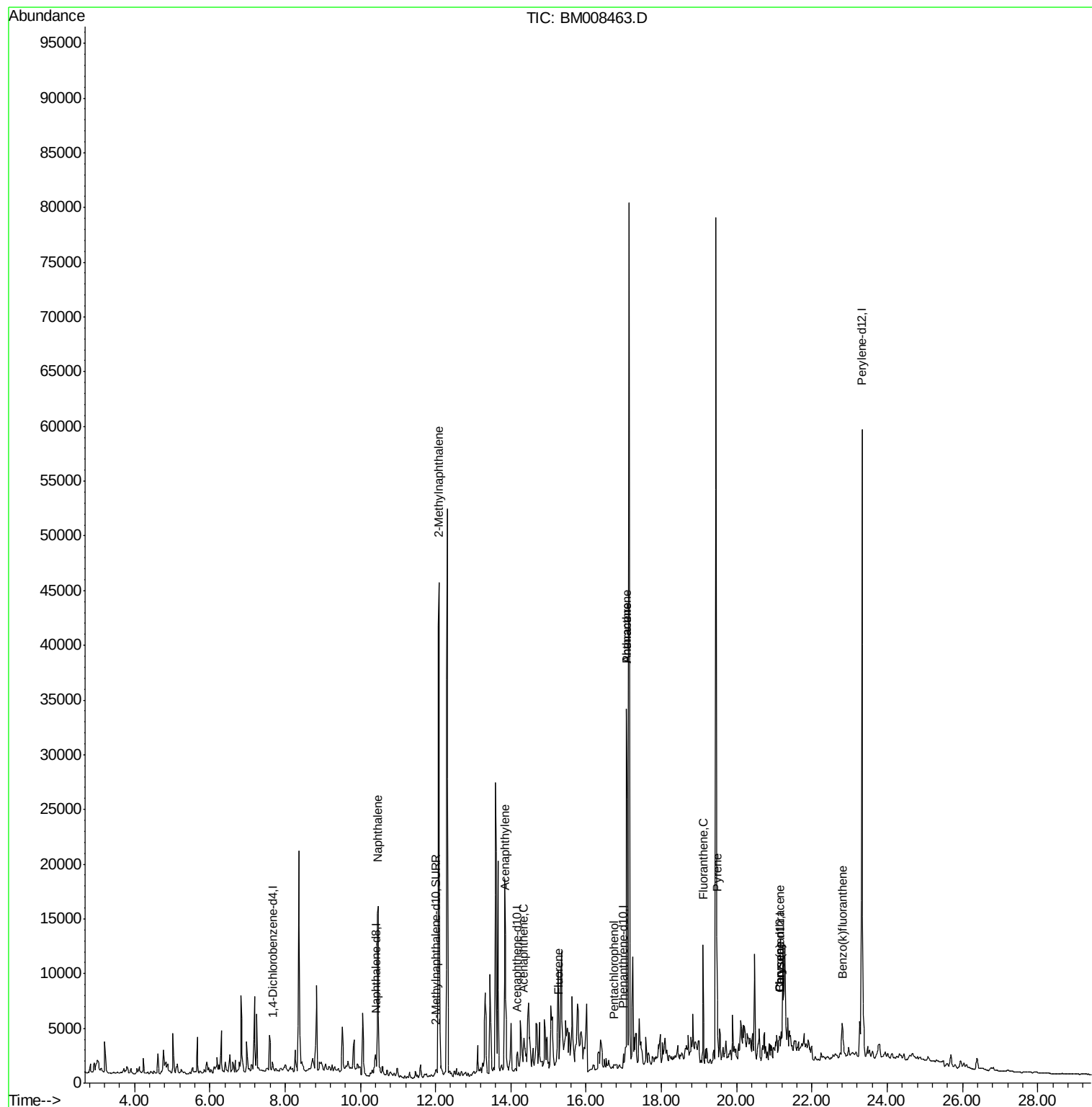
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	24121	2.89	ng/ul	94
5) 2-Methylnaphthalene	12.09	142	32802	5.84	ng/ul	100
7) Acenaphthylene	13.85	152	2907	3.00	ng/ul#	1
8) Acenaphthene	14.35	153	1963	2.70	ng/ul	94
9) Fluorene	15.27	166	928	1.12	ng/ul#	1
11) Pentachlorophenol	16.73	266	15	0.02	ng/ul#	41
12) Phenanthrene	17.07	178	47449	7.94	ng/ul	97
13) Anthracene	17.07	178	47449	8.17	ng/ul	96
15) Fluoranthene	19.11	202	10253	1.40	ng/ul	91
17) Pyrene	19.48	202	11694	56.02	ng/ul	96
18) Benzo(a)anthracene	21.14	228	895	5.05	ng/ul#	1
19) Chrysene	21.14	228	895	4.61	ng/ul#	1
22) Benzo(k)fluoranthene	22.81	252	6418	0.02	ng/ul	91

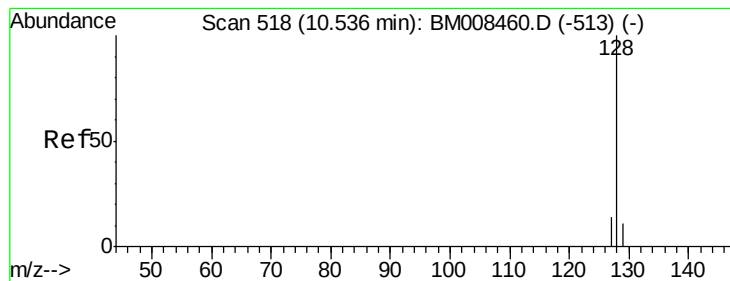
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.89 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.06 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

Instrument :

BNA_M

ClientSampleId :

DA835

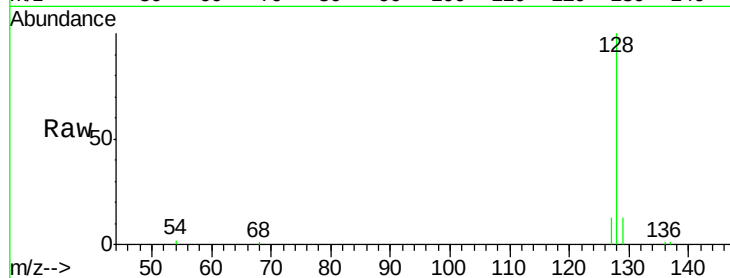
Tgt Ion:128 Resp: 24121

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

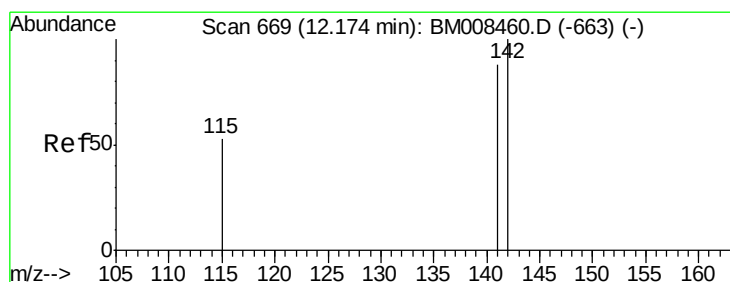
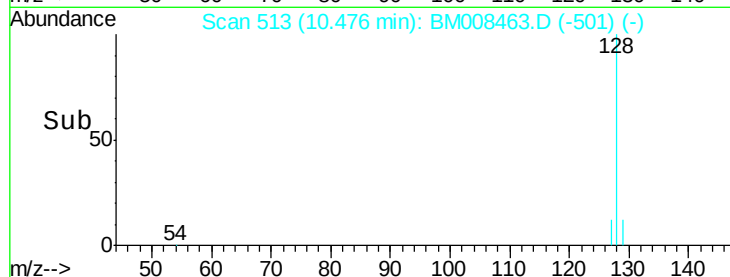
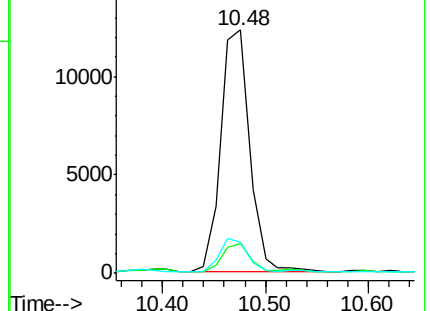
127 12.8 12.8 19.2



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: 5.84 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.08 min

Lab File: BM008463.D

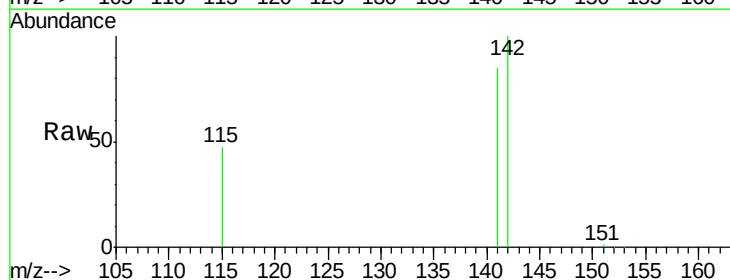
Acq: 20 Dec 2016 04:12

Tgt Ion:142 Resp: 32802

Ion Ratio Lower Upper

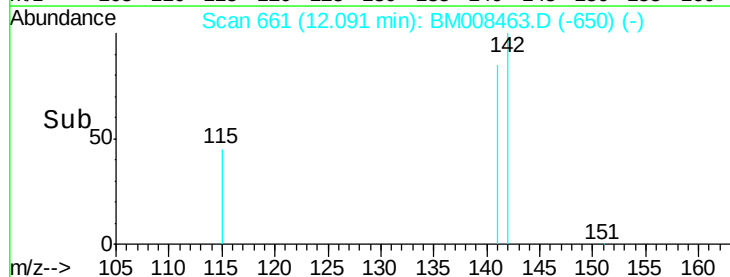
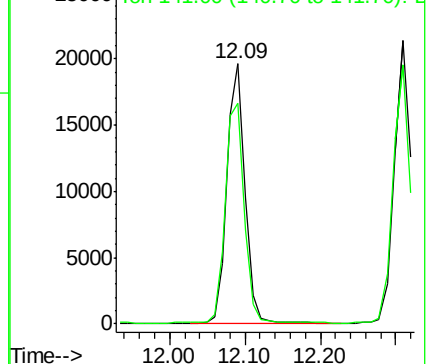
142 100

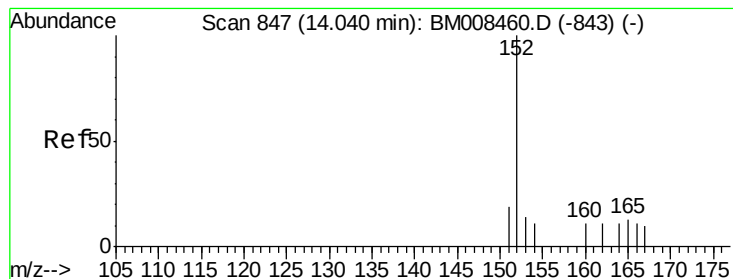
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.00 ng/ul

RT: 13.85 min Scan# 830

Delta R.T. -0.19 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

Instrument :

BNA_M

ClientSampleId :

DA835

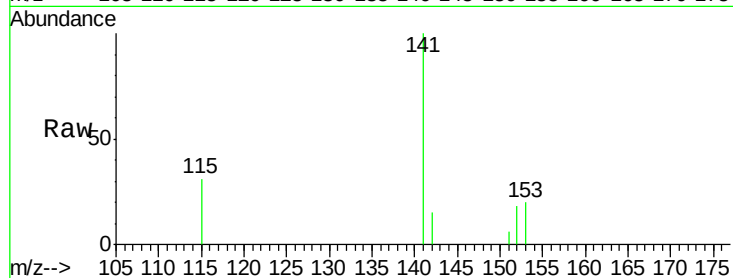
Tgt Ion:152 Resp: 2907

Ion Ratio Lower Upper

152 100

151 34.1 17.1 25.7#

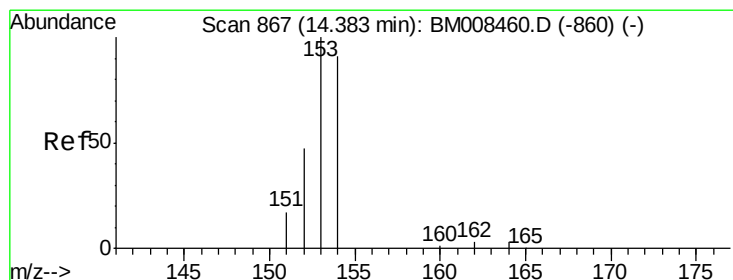
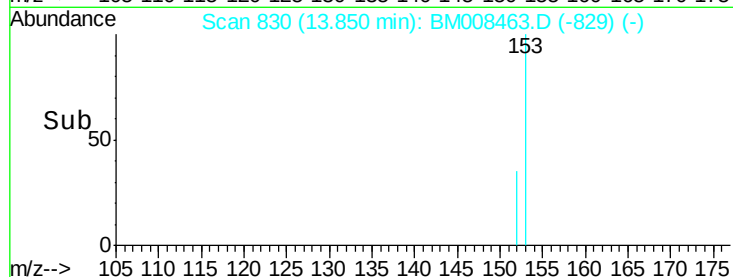
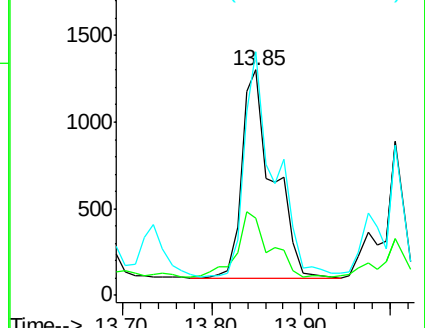
153 108.1 12.8 19.2#



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: 2.70 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

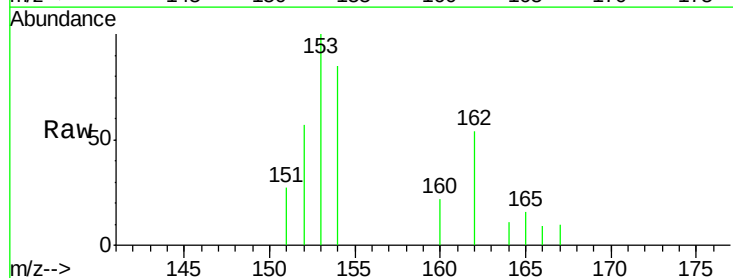
Tgt Ion:153 Resp: 1963

Ion Ratio Lower Upper

153 100

152 56.8 40.3 60.5

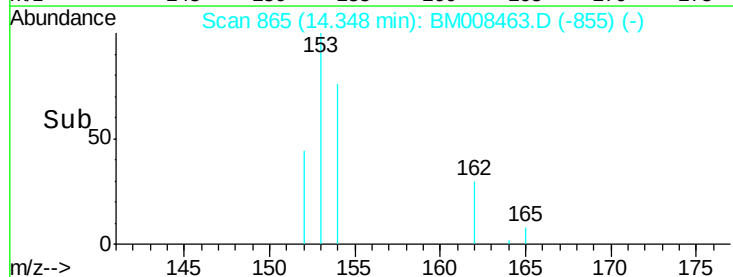
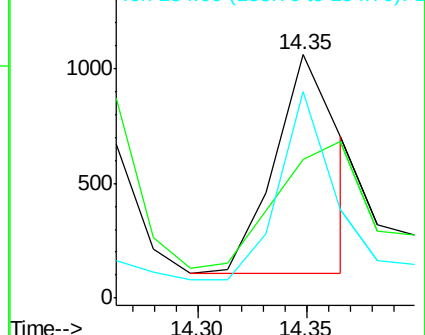
154 84.8 71.4 107.2

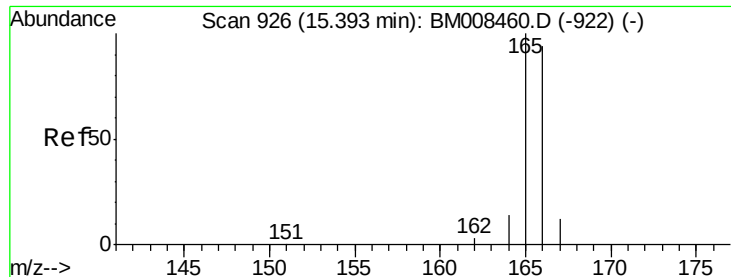


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

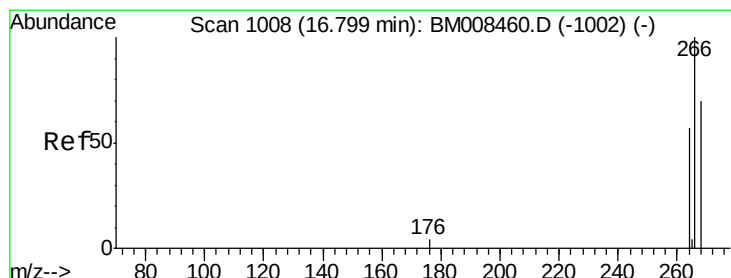
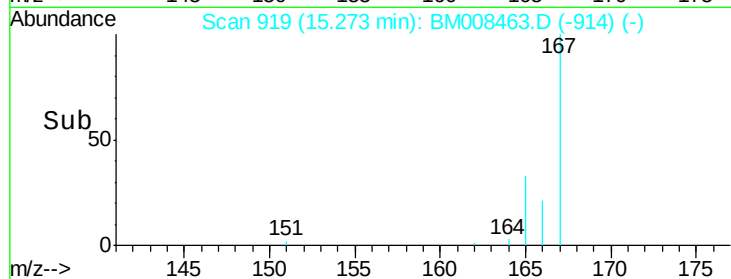
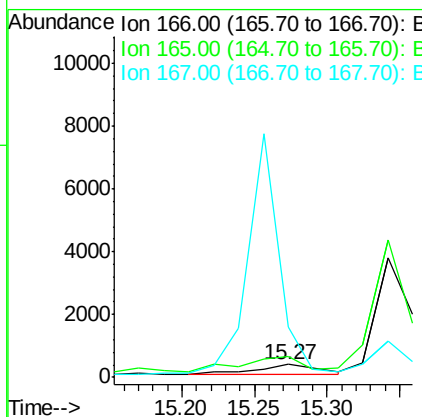
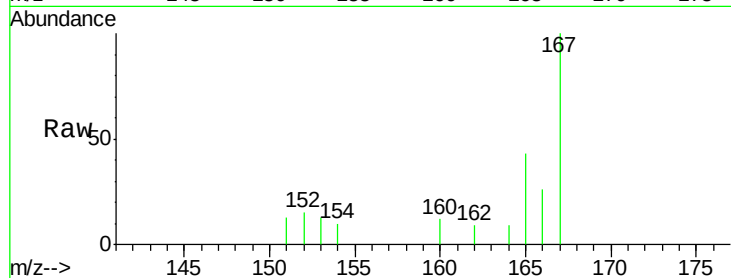




#9
Fluorene
 Concen: 1.12 ng/ul
 RT: 15.27 min Scan# 919
 Delta R.T. -0.12 min
 Lab File: BM008463.D
 Acq: 20 Dec 2016 04:12

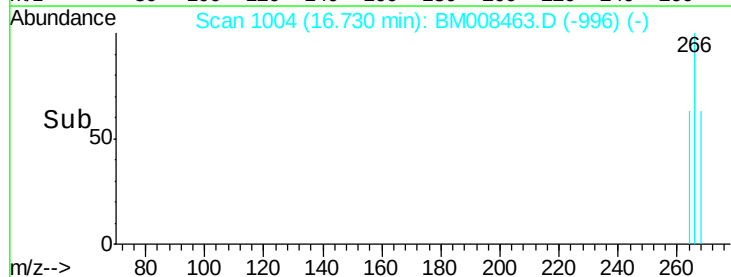
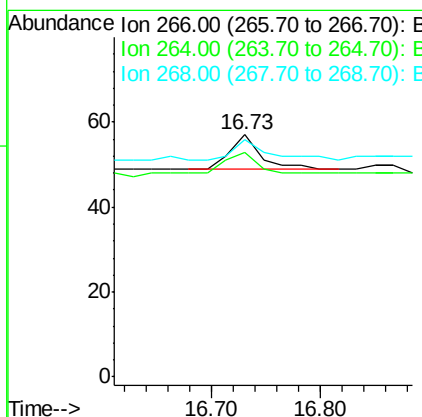
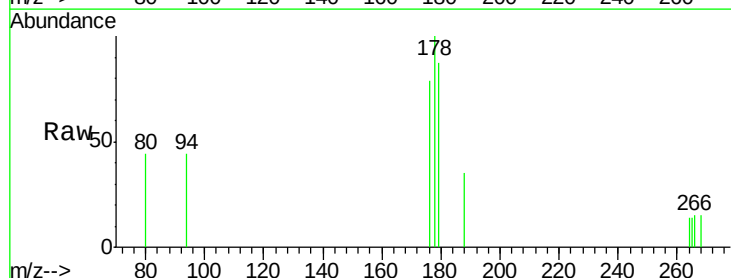
Instrument :
 BNA_M
 ClientSampleId :
 DA835

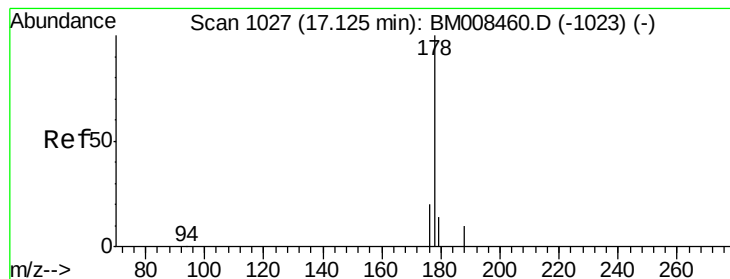
Tgt Ion:166 Resp: 928
 Ion Ratio Lower Upper
 166 100
 165 165.8 73.4 110.2#
 167 390.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.73 min Scan# 1004
 Delta R.T. -0.07 min
 Lab File: BM008463.D
 Acq: 20 Dec 2016 04:12

Tgt Ion:266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 140.0 47.9 71.9#
 268 73.3 49.8 74.8





#12

Phenanthrene

Concen: 7.94 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

Instrument :

BNA_M

ClientSampleId :

DA835

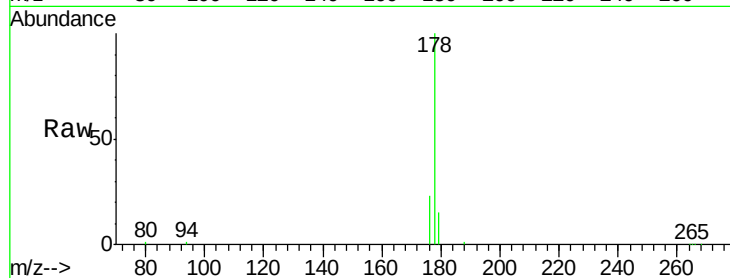
Tgt Ion:178 Resp: 47449

Ion Ratio Lower Upper

178 100

176 22.5 18.4 27.6

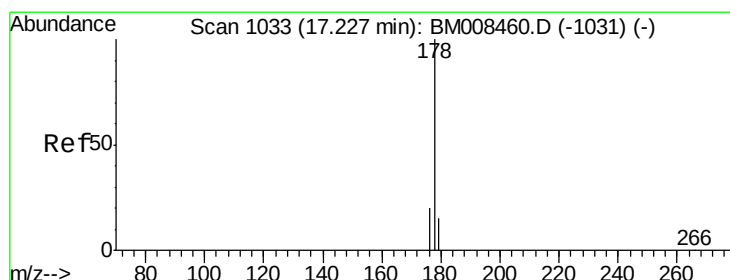
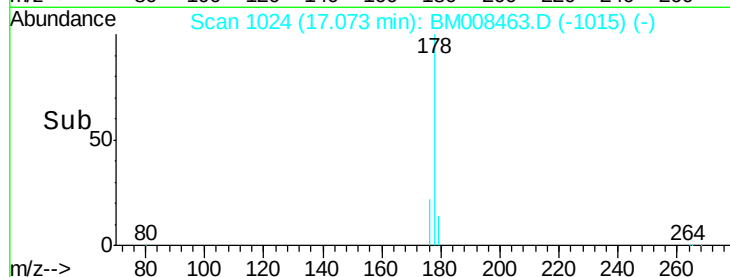
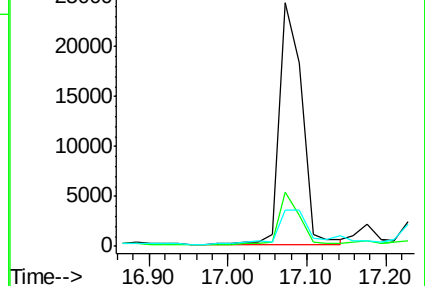
179 14.8 13.6 20.4



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



#13

Anthracene

Concen: 8.17 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.15 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

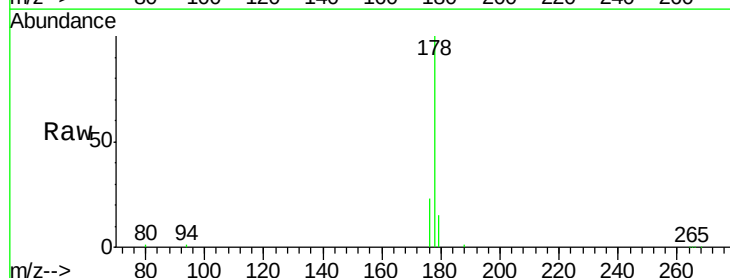
Tgt Ion:178 Resp: 47449

Ion Ratio Lower Upper

178 100

176 22.5 18.1 27.1

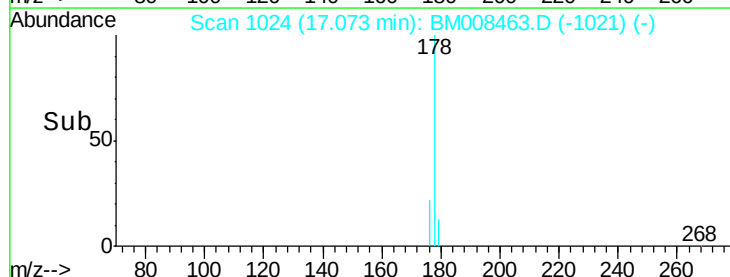
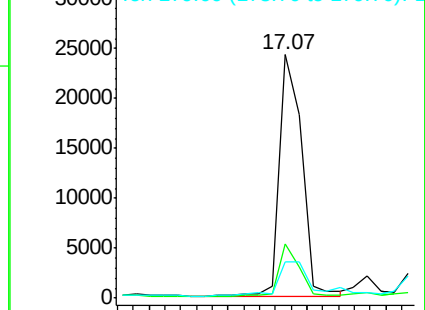
179 14.8 14.7 22.1

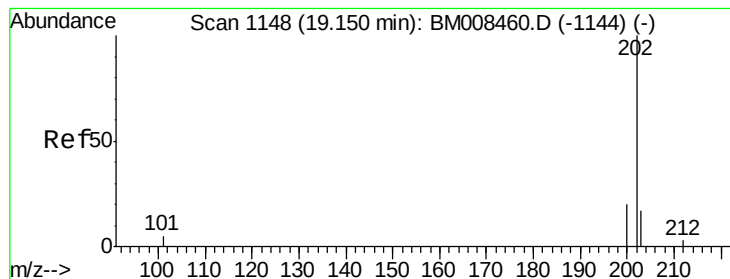


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 1.40 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

Instrument :

BNA_M

ClientSampleId :

DA835

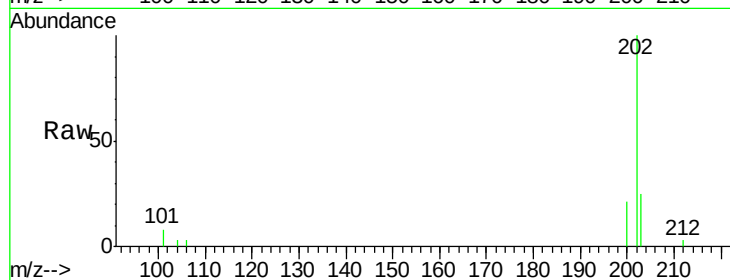
Tgt Ion:202 Resp: 10253

Ion Ratio Lower Upper

202 100

101 8.3 0.0 30.3

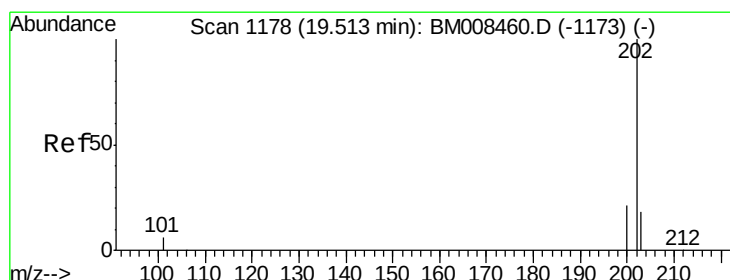
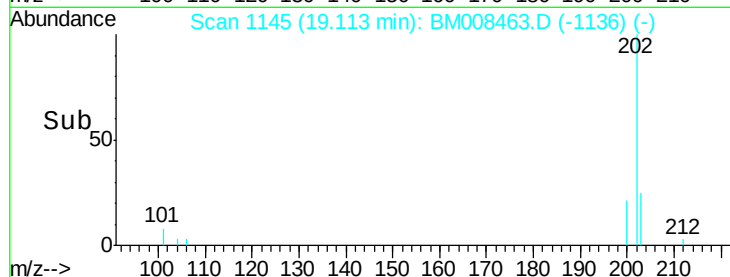
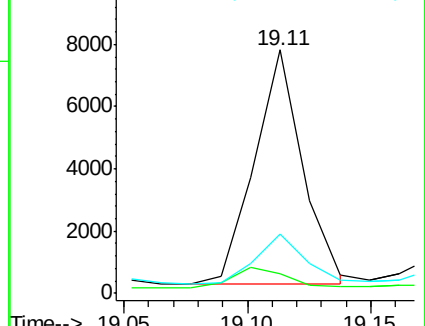
203 24.5 0.0 39.5



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: 56.02 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. -0.04 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

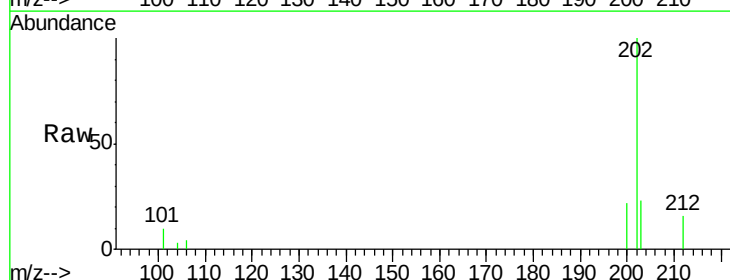
Tgt Ion:202 Resp: 11694

Ion Ratio Lower Upper

202 100

200 22.4 18.2 27.4

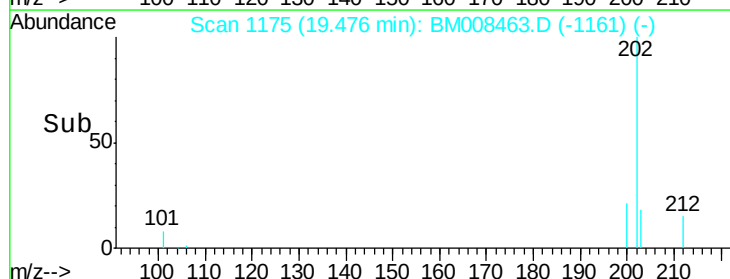
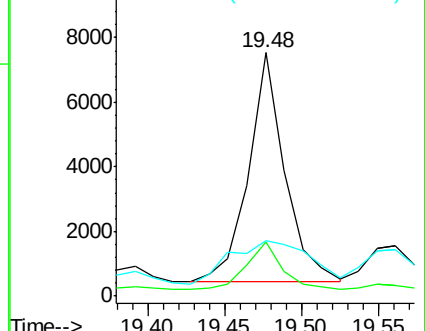
203 22.9 15.6 23.4

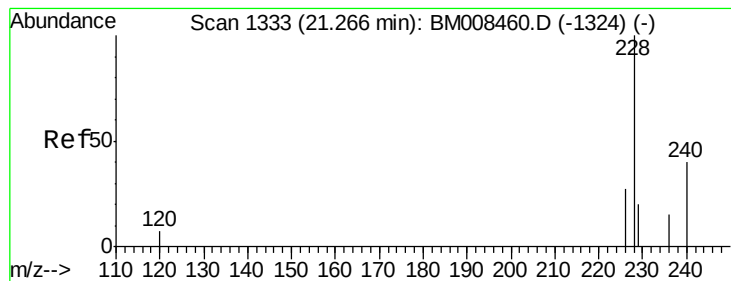


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 5.05 ng/ul

RT: 21.14 min Scan# 1321

Delta R.T. -0.13 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

Instrument :

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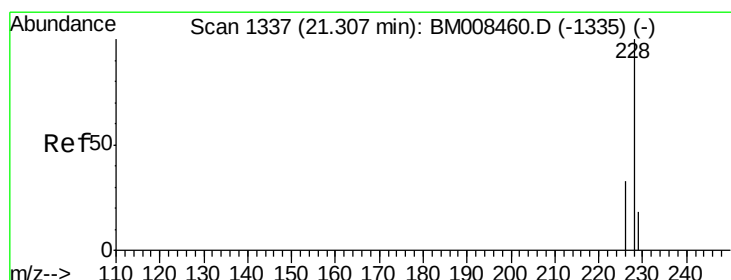
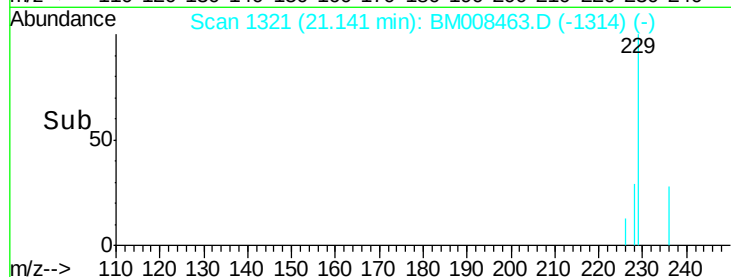
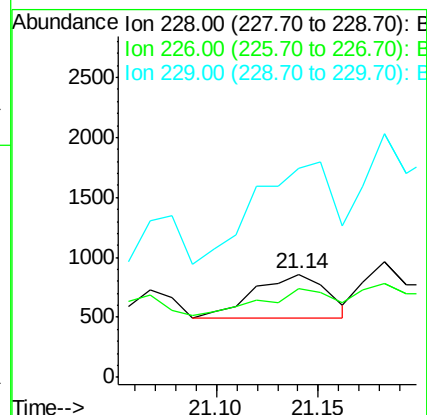
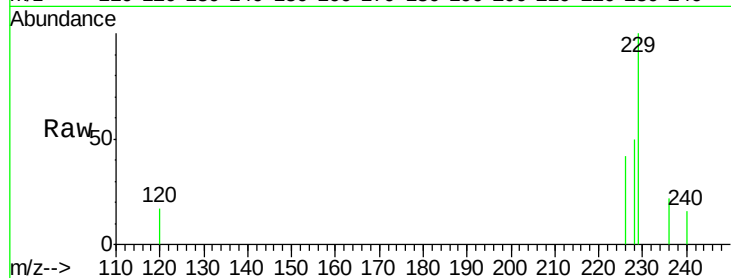
Tgt Ion:228 Resp: 895

Ion Ratio Lower Upper

228 100

226 85.8 22.8 34.2#

229 202.0 17.0 25.6#



#19

Chrysene

Concen: 4.61 ng/ul

RT: 21.14 min Scan# 1321

Delta R.T. -0.17 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

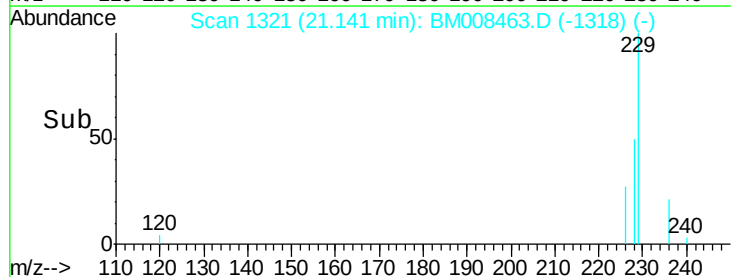
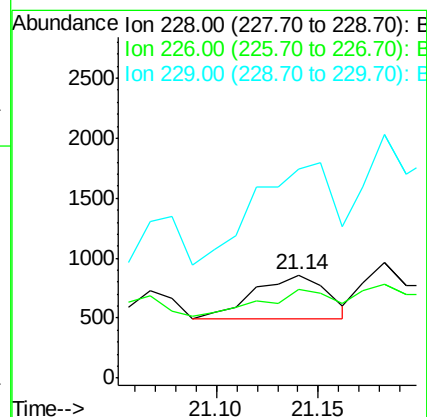
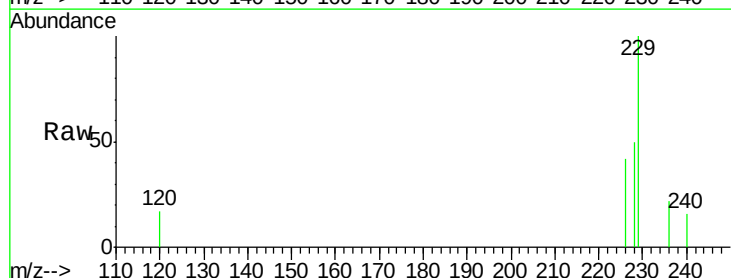
Tgt Ion:228 Resp: 895

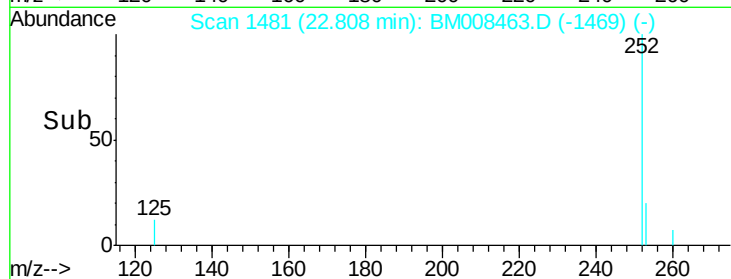
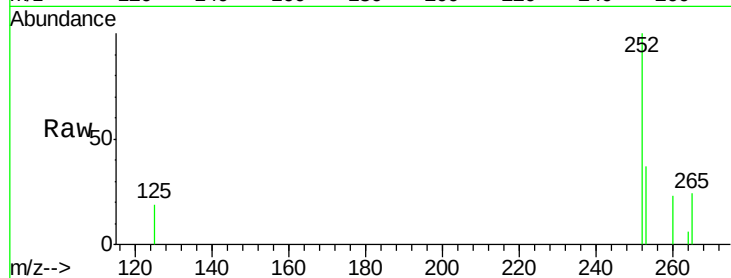
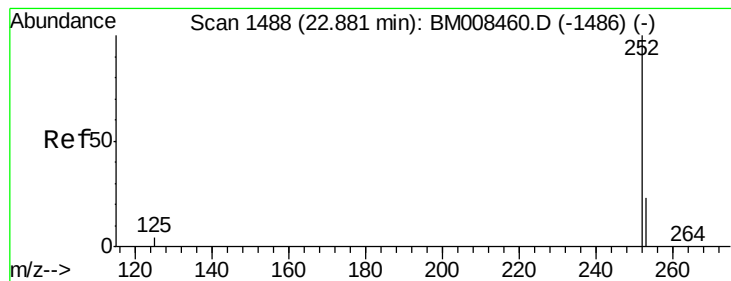
Ion Ratio Lower Upper

228 100

226 85.8 23.4 35.0#

229 202.0 17.7 26.5#





#22

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.07 min

Lab File: BM008463.D

Acq: 20 Dec 2016 04:12

Instrument :

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ClientSampleId :

DA835

Tgt Ion: 252 Resp: 6418

Ion Ratio Lower Upper

252 100

253 36.7 24.5 36.7

125 19.4 13.7 20.5

