

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008617.D
 Acq On : 24 Dec 2016 05:12
 Operator : UM/SJ
 Sample : H5995-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA876

Quant Time: Dec 24 05:46:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 04:56:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	451	0.40	ng/ul	-0.09
2) Naphthalene-d8	10.42	136	1550	0.40	ng/ul	-0.08
6) Acenaphthene-d10	14.28	164	1313	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.14	188	63474	0.40	ng/ul	0.05
16) Chrysene-d12	21.26	240	1566	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1931	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	415	0.17	ng/ul	-0.09
14) Fluoranthene-d10	19.08	212	679	0.00	ng/ul	-0.02

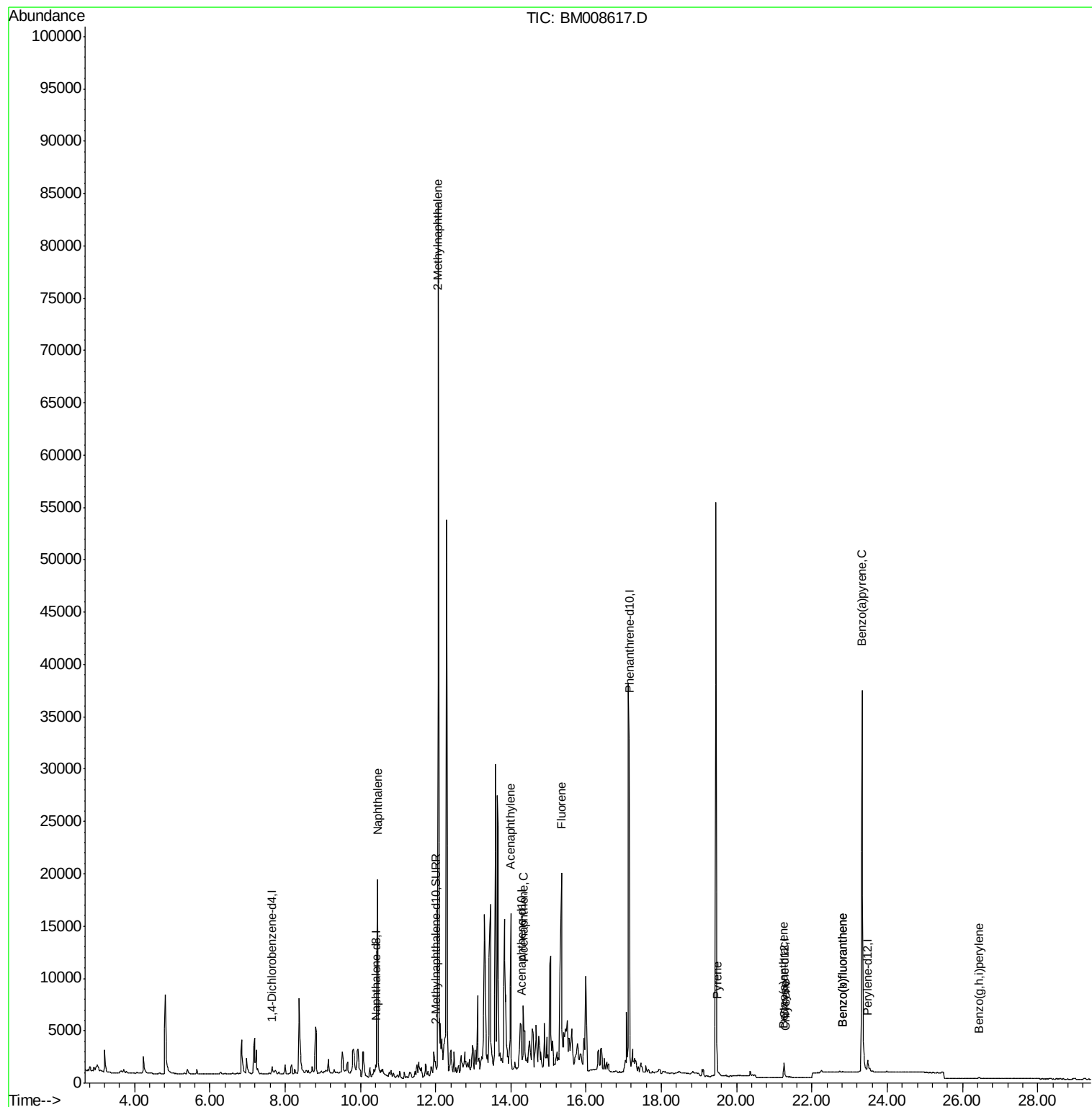
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	30190	6.92	ng/ul#	94
5) 2-Methylnaphthalene	12.07	142	57868	19.72	ng/ul	99
7) Acenaphthylene	14.00	152	1675	0.28	ng/ul#	6
8) Acenaphthene	14.33	153	4753	1.06	ng/ul	91
9) Fluorene	15.34	166	13850	2.72	ng/ul	99
17) Pyrene	19.47	202	1076	0.18	ng/ul#	74
18) Benzo(a)anthracene	21.24	228	184	0.04	ng/ul#	3
19) Chrysene	21.29	228	146	0.03	ng/ul#	5
21) Benzo(b)fluoranthene	22.82	252	165	0.02	ng/ul#	1
22) Benzo(k)fluoranthene	22.82	252	165	0.02	ng/ul#	1
23) Benzo(a)pyrene	23.33	252	337	0.05	ng/ul#	4
26) Benzo(g,h,i)perylene	26.44	276	238	0.03	ng/ul#	30

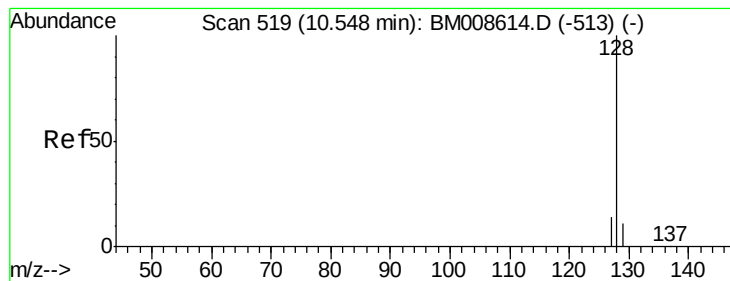
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 6.92 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.08 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

Instrument :

BNA_M

ClientSampleId :

DA876

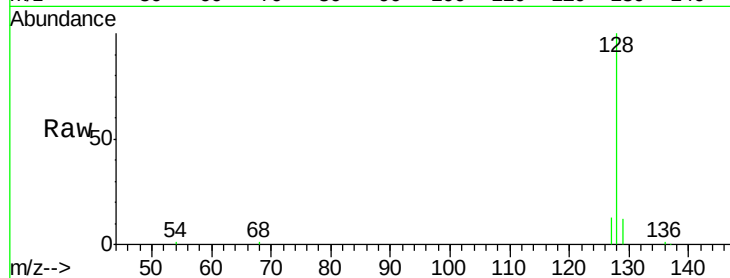
Tgt Ion:128 Resp: 30190

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

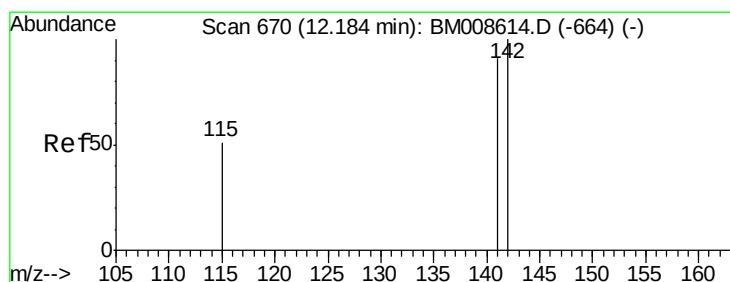
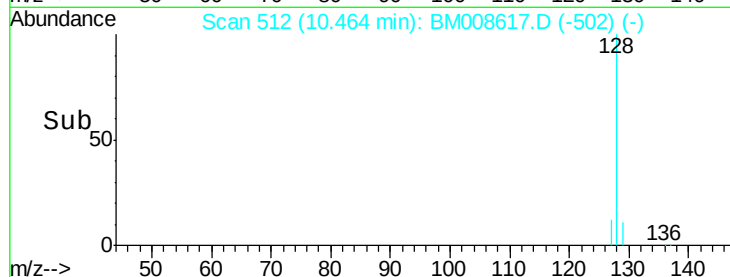
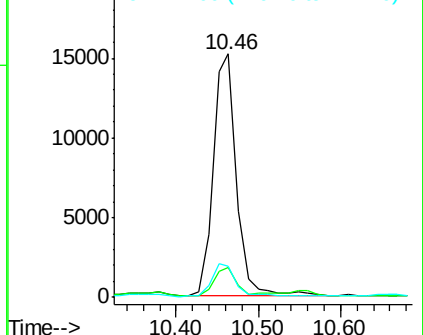
127 12.7 12.8 19.2#



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: 19.72 ng/ul

RT: 12.07 min Scan# 659

Delta R.T. -0.11 min

Lab File: BM008617.D

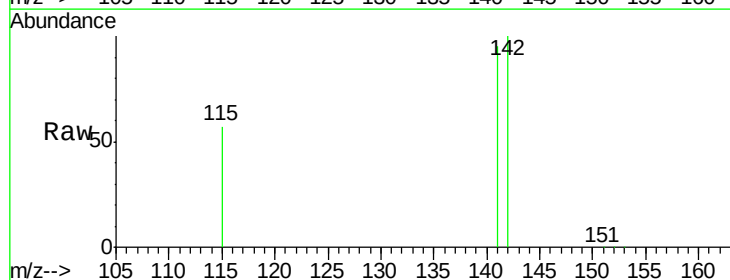
Acq: 24 Dec 2016 05:12

Tgt Ion:142 Resp: 57868

Ion Ratio Lower Upper

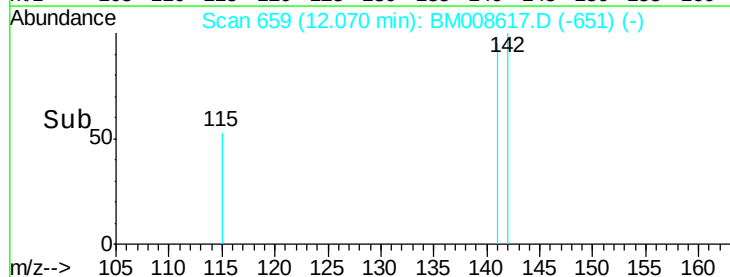
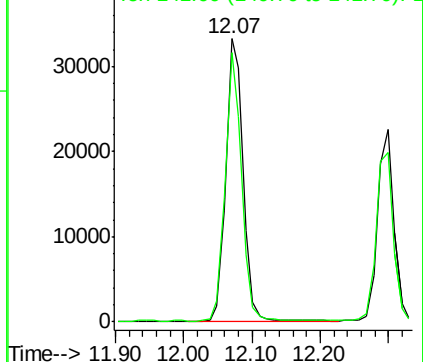
142 100

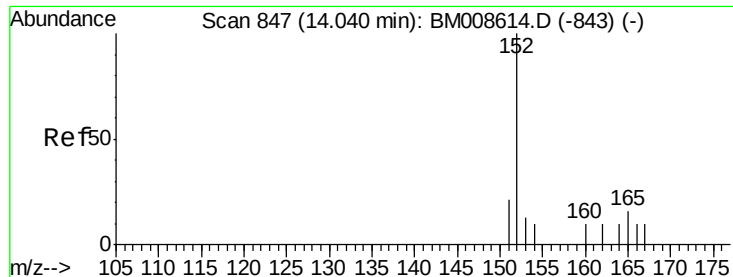
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.28 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.04 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

Instrument :

BNA_M

ClientSampleId :

DA876

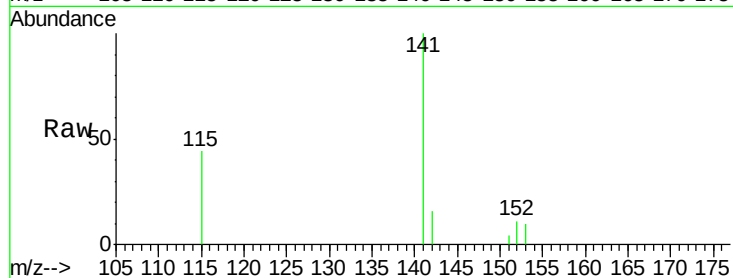
Tgt Ion:152 Resp: 1675

Ion Ratio Lower Upper

152 100

151 40.2 17.1 25.7#

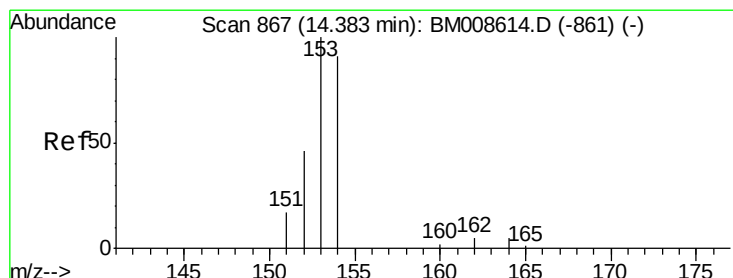
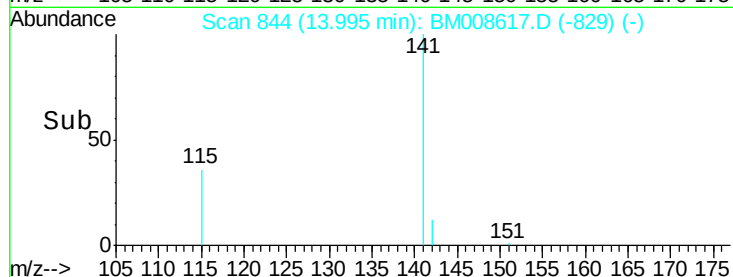
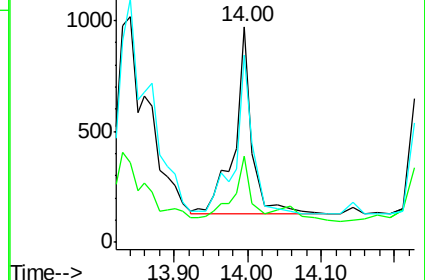
153 86.8 12.8 19.2#



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: 1.06 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.05 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

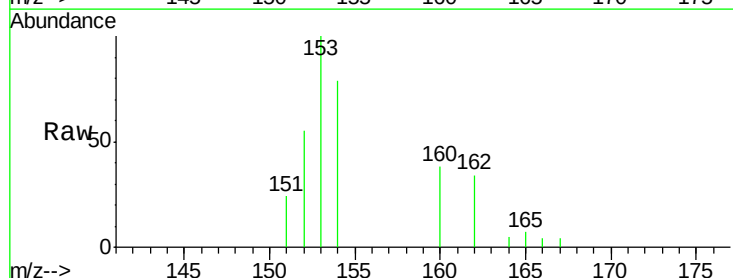
Tgt Ion:153 Resp: 4753

Ion Ratio Lower Upper

153 100

152 54.6 40.3 60.5

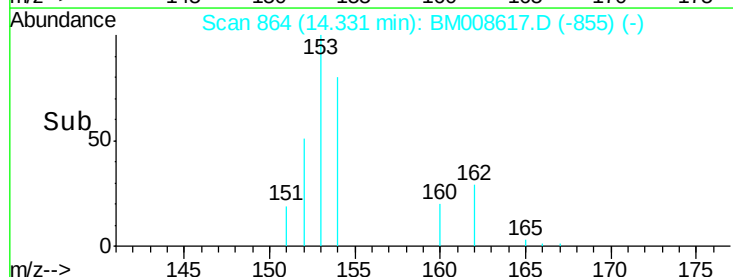
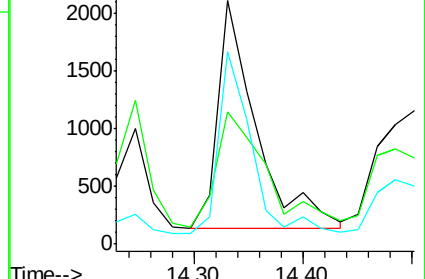
154 78.9 71.4 107.2

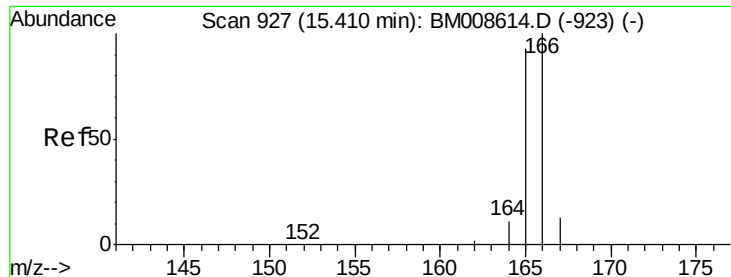


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 2.72 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.07 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

Instrument :

BNA_M

ClientSampleId :

DA876

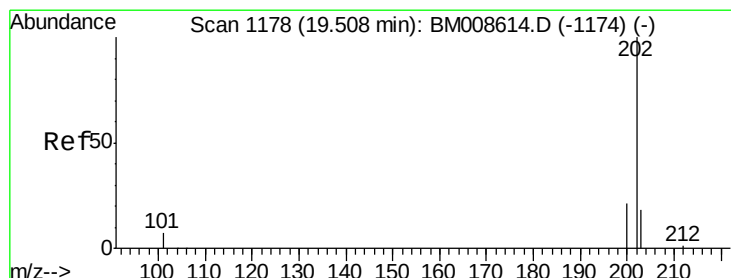
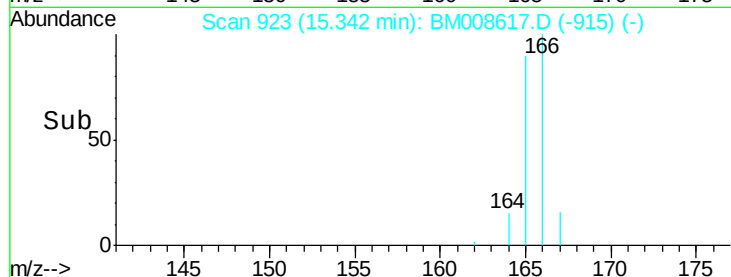
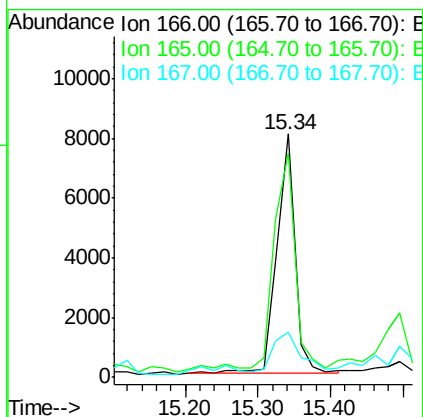
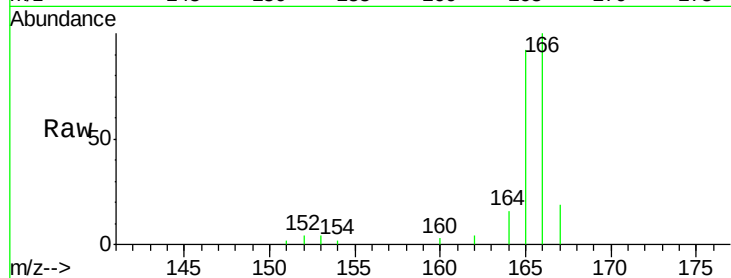
Tgt Ion:166 Resp: 13850

Ion Ratio Lower Upper

166 100

165 92.4 73.4 110.2

167 18.7 14.6 22.0



#17

Pyrene

Concen: 0.18 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.04 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

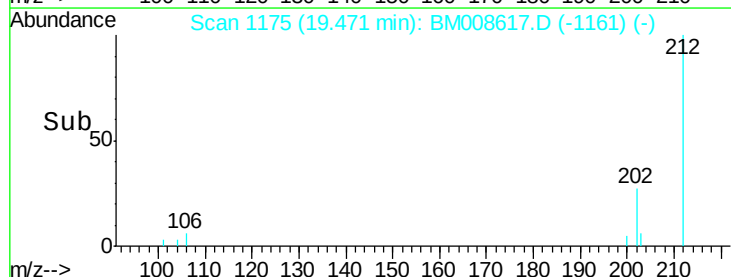
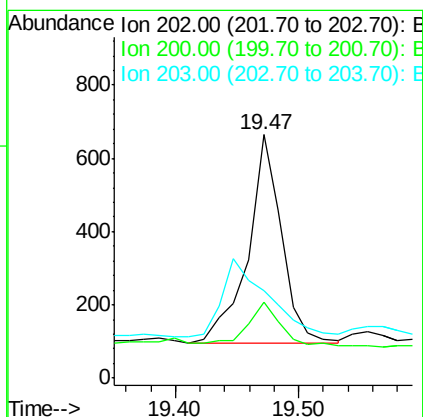
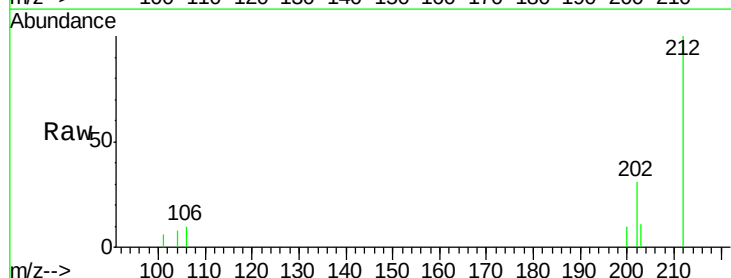
Tgt Ion:202 Resp: 1076

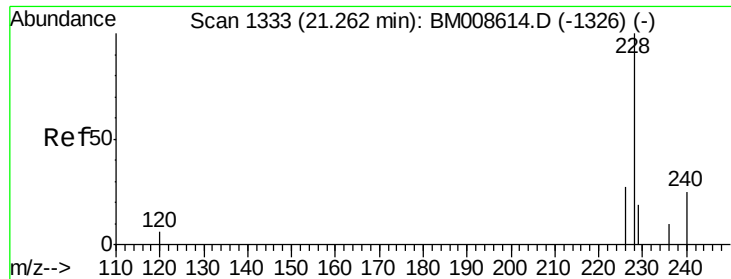
Ion Ratio Lower Upper

202 100

200 31.4 18.2 27.4#

203 35.8 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.24 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

Instrument :

BNA_M

ClientSampleId :

DA876

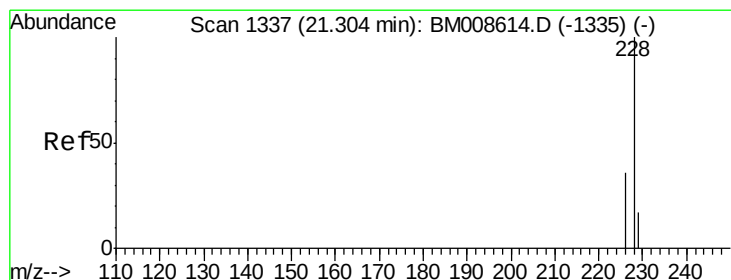
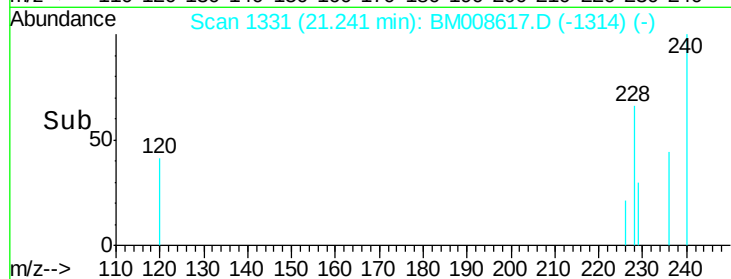
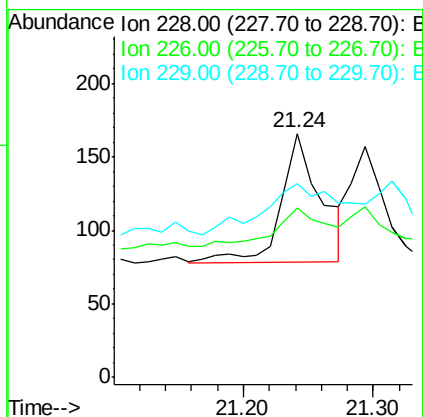
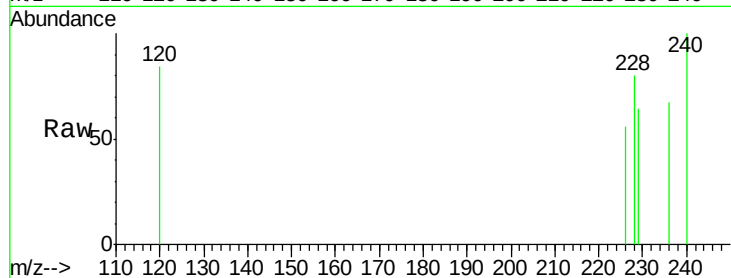
Tgt Ion:228 Resp: 184

Ion Ratio Lower Upper

228 100

226 69.3 22.8 34.2#

229 79.5 17.0 25.6#



#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

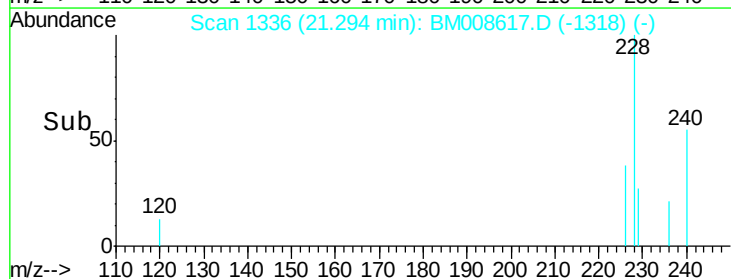
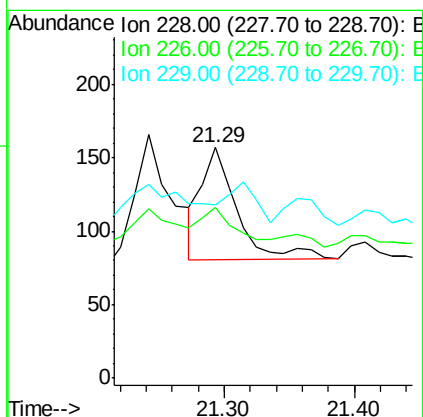
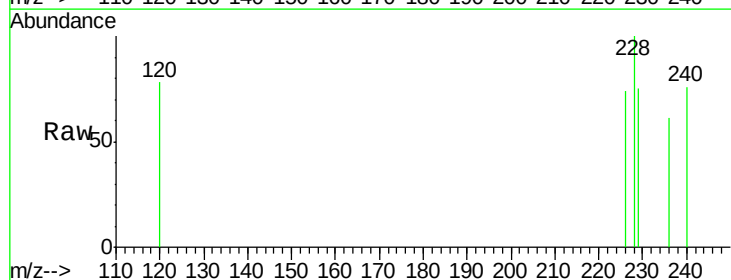
Tgt Ion:228 Resp: 146

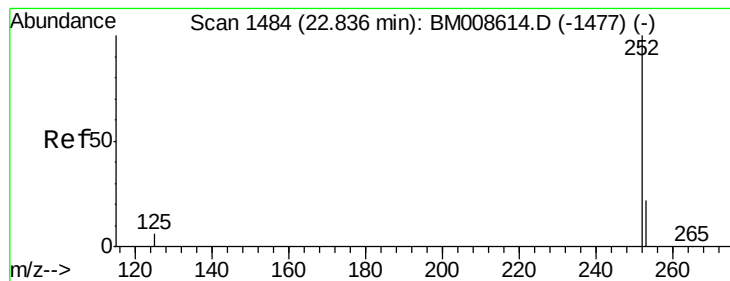
Ion Ratio Lower Upper

228 100

226 73.9 23.4 35.0#

229 75.2 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

Instrument :

BNA_M

ClientSampleId :

DA876

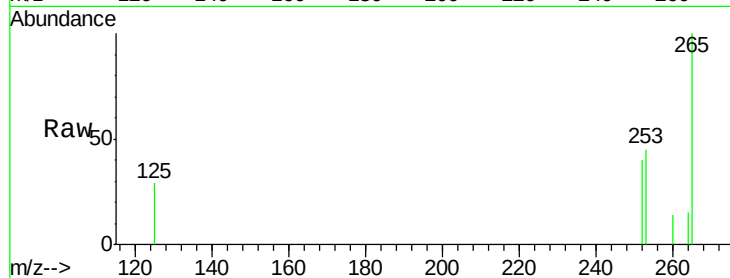
Tgt Ion:252 Resp: 165

Ion Ratio Lower Upper

252 100

253 112.6 0.0 64.2#

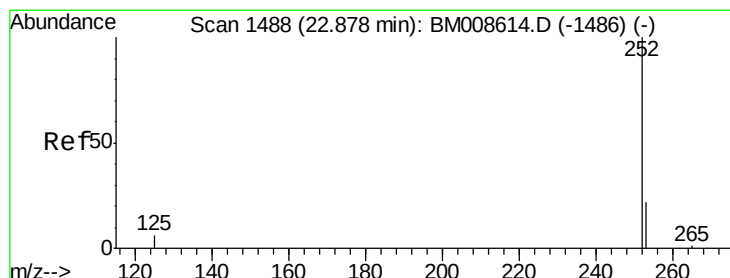
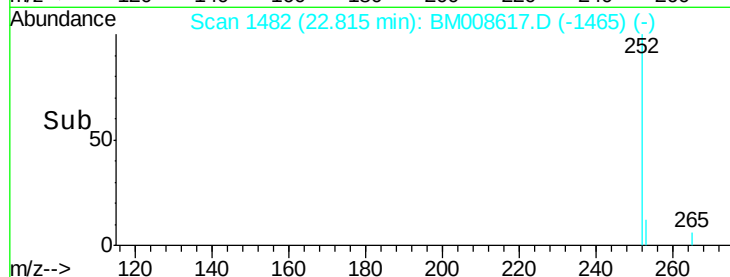
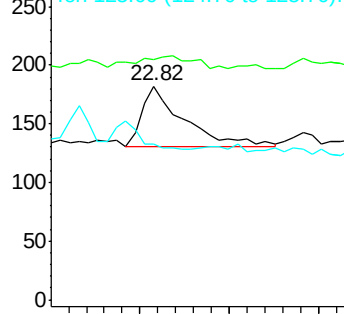
125 73.1 0.0 35.0#



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. -0.06 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

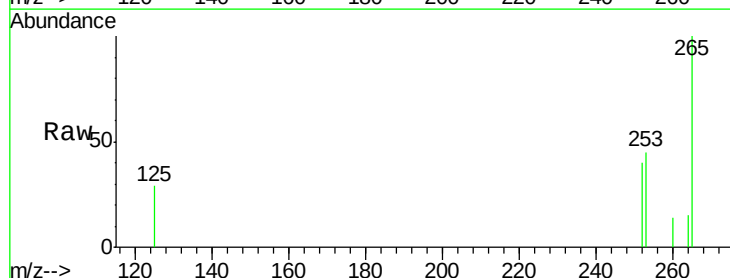
Tgt Ion:252 Resp: 165

Ion Ratio Lower Upper

252 100

253 112.6 24.5 36.7#

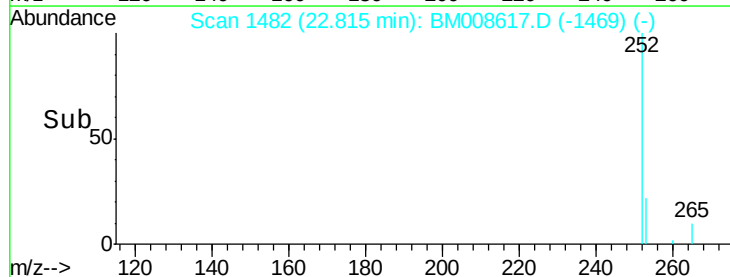
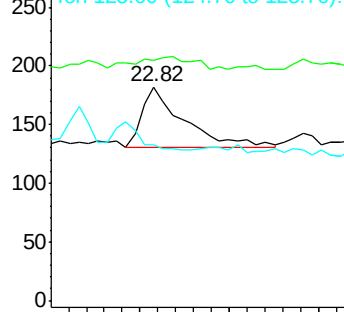
125 73.1 13.7 20.5#

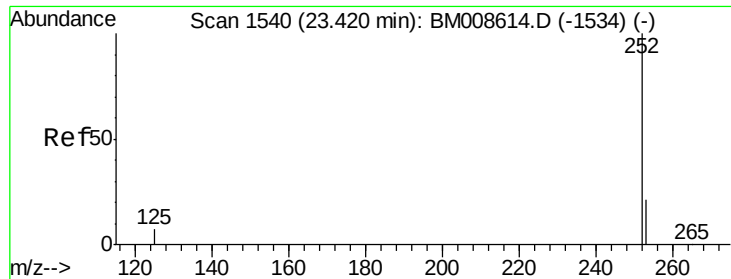


Abundance Ion 252.00 (251.70 to 252.70): E

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. -0.09 min

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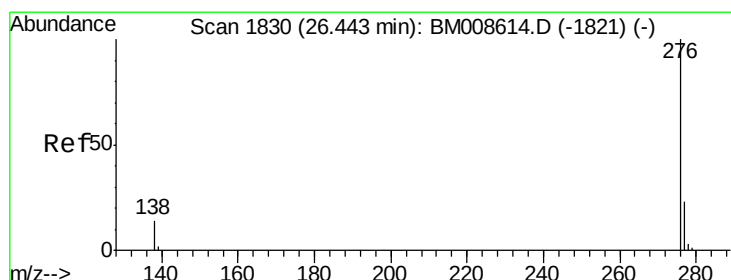
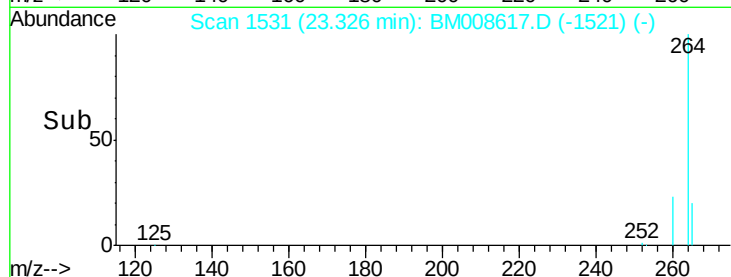
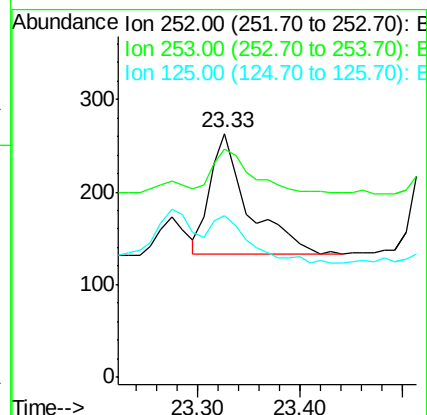
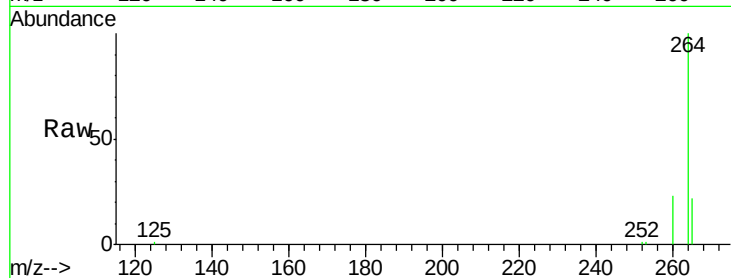
Tgt Ion: 252 Resp: 337

Ion Ratio Lower Upper

252 100

253 93.5 28.5 42.7#

125 66.2 18.1 27.1#



#26

Benzo(g,h,i)perylene

Concen: 0.03 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BM008617.D

Acq: 24 Dec 2016 05:12

Tgt Ion: 276 Resp: 238

Ion Ratio Lower Upper

276 100

277 63.1 21.8 32.8#

138 61.5 20.5 30.7#

