

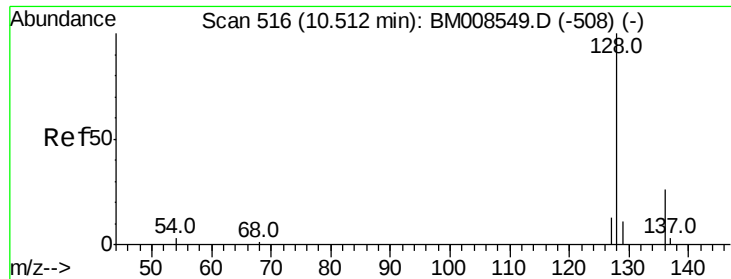
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122216\
 Data File : BM008553.D
 Acq On : 22 Dec 2016 13:31
 Operator : UM/SJ
 Sample : H5938-07RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA827RE

Quant Time: Dec 22 14:30:17 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 13:27:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	7	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.31	164	16	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.11	188	15	0.40	ng/ul	0.03
16) Chrysene-d12	21.29	240	59	0.40	ng/ul	0.03
20) Perylene-d12	23.51	264	64	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1	0.09	ng/ul	0.05
14) Fluoranthene-d10	19.11	212	9	0.22	ng/ul	0.01
Target Compounds					Ovalue	
3) Naphthalene	10.55	128	87	4.42	ng/ul#	1
5) 2-Methylnaphthalene	12.15	142	164	12.37	ng/ul	93
7) Acenaphthylene	14.02	152	14	0.19	ng/ul#	1
8) Acenaphthene	14.37	153	18	0.33	ng/ul#	71
9) Fluorene	15.39	166	35	0.56	ng/ul#	60
11) Pentachlorophenol	16.78	266	6	1.29	ng/ul#	58
12) Phenanthrene	17.14	178	24	0.52	ng/ul#	1
13) Anthracene	17.24	178	20	0.45	ng/ul#	1
15) Fluoranthene	19.14	202	32	0.57	ng/ul#	1
17) Pyrene	19.51	202	56	0.25	ng/ul#	1
18) Benzo(a)anthracene	21.27	228	37	0.19	ng/ul#	1
19) Chrysene	21.32	228	64	0.30	ng/ul#	1
21) Benzo(b)fluoranthene	22.84	252	89	0.35	ng/ul#	1
22) Benzo(k)fluoranthene	22.88	252	68	0.28	ng/ul#	1
23) Benzo(a)pyrene	23.43	252	43	0.18	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.77	276	69	0.25	ng/ul#	55
25) Dibenzo(a,h)anthracene	25.77	278	49	0.22	ng/ul#	1
26) Benzo(g,h,i)perylene	26.44	276	71	0.30	ng/ul#	1

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



#3

Naphthalene

Concen: 4.42 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.04 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

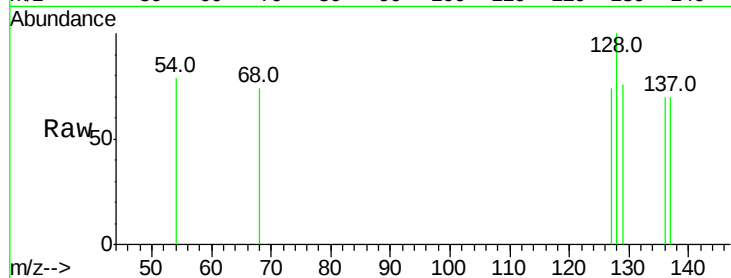
Tot Ion:128 Resp: 87

Ion Ratio Lower Upper

128 100

129 75.7 11.3 16.9#

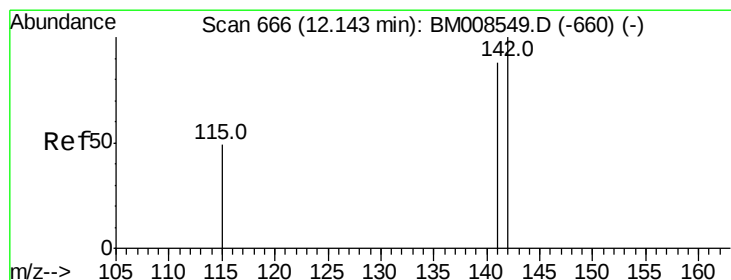
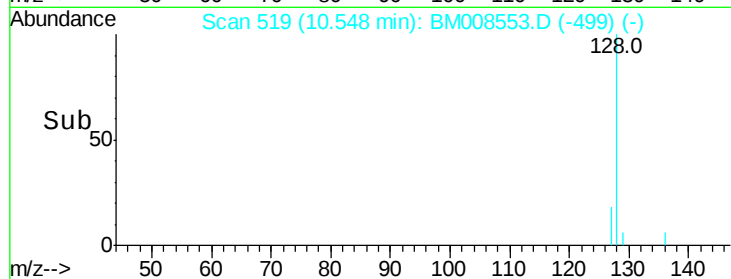
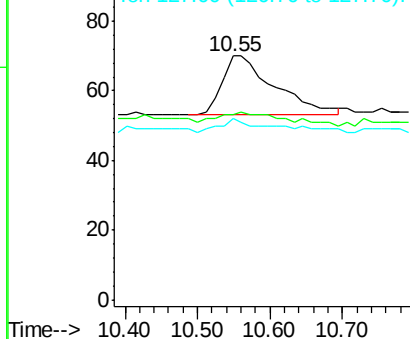
127 74.3 12.8 19.2#



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: 12.37 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM008553.D

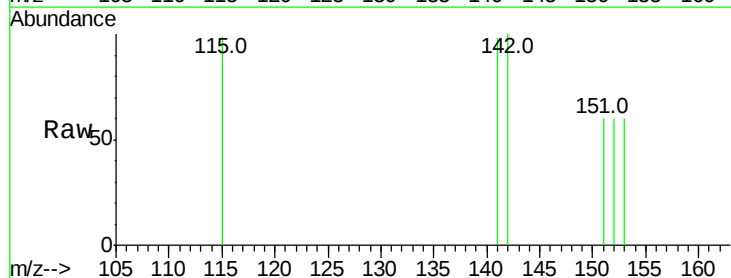
Acq: 22 Dec 2016 13:31

Tgt Ion:142 Resp: 164

Ion Ratio Lower Upper

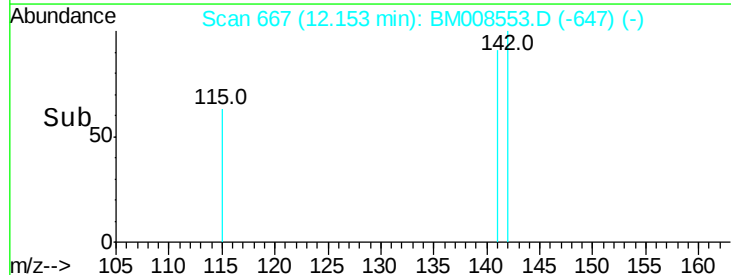
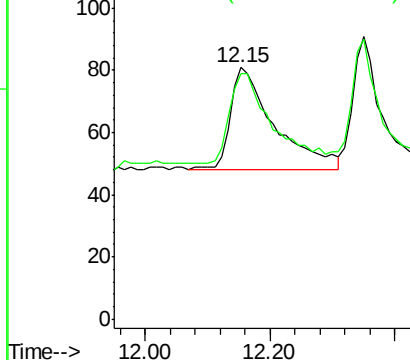
142 100

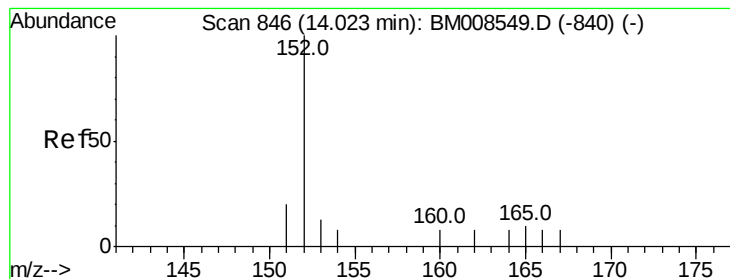
141 84.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.02 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

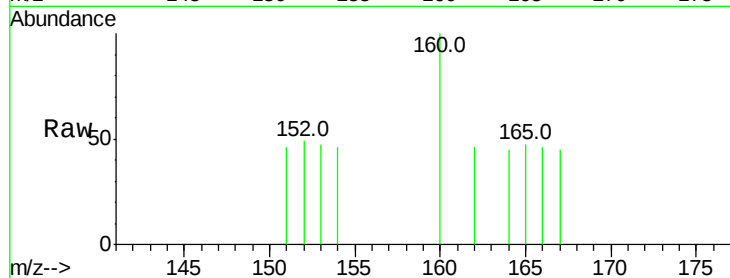
Tot Ion:152 Resp: 14

Ion Ratio Lower Upper

152 100

151 94.2 17.1 25.7#

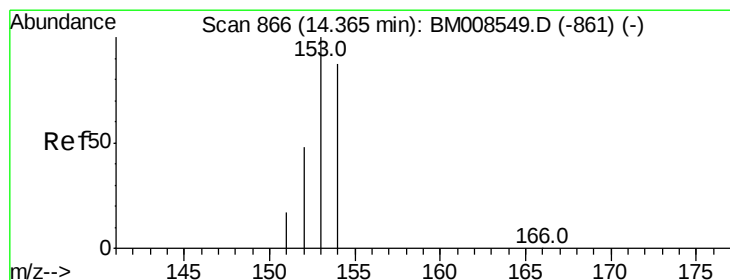
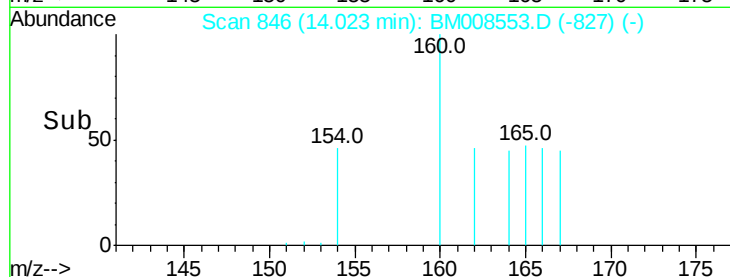
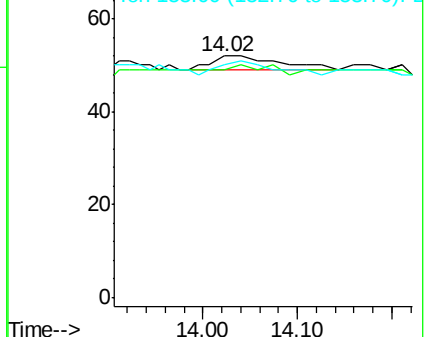
153 96.2 12.8 19.2#



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: 0.33 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

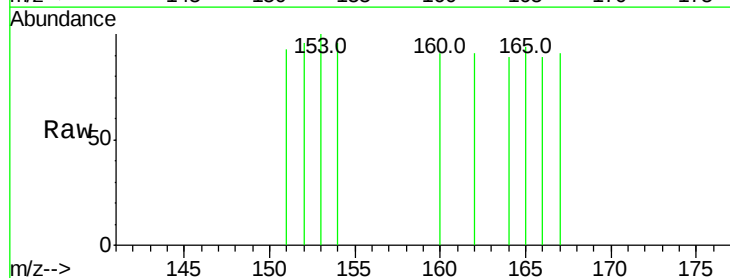
Tgt Ion:153 Resp: 18

Ion Ratio Lower Upper

153 100

152 96.3 40.3 60.5#

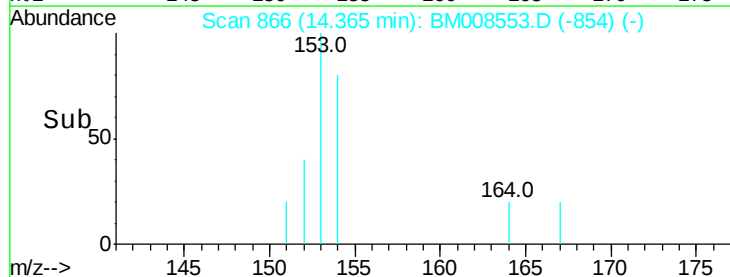
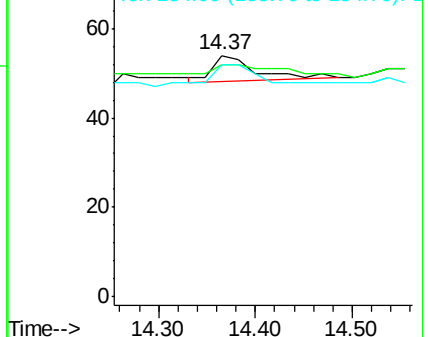
154 96.3 71.4 107.2

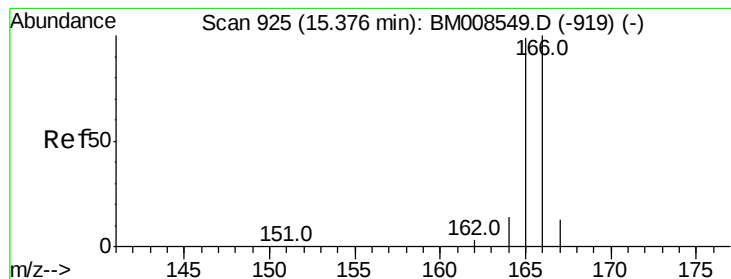


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.56 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.02 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

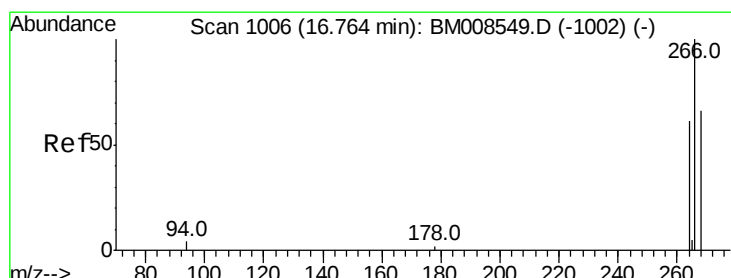
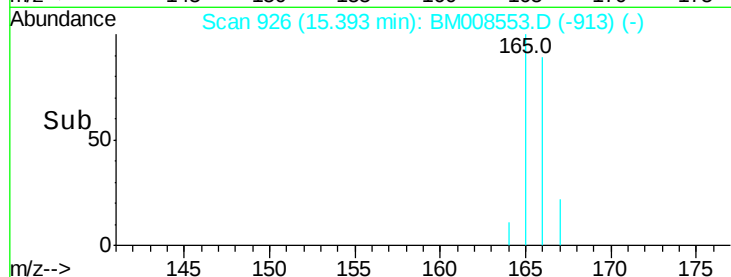
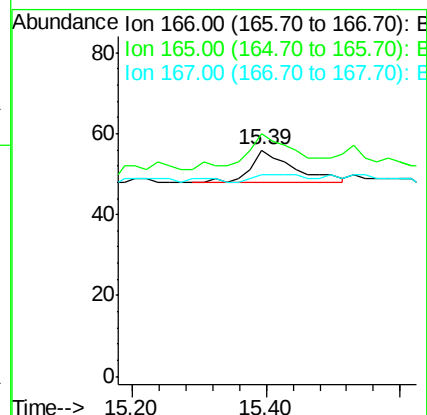
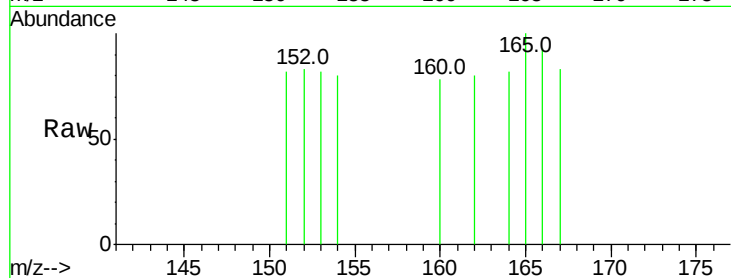
Tot Ion:166 Resp: 35

Ion Ratio Lower Upper

166 100

165 107.1 73.4 110.2

167 89.3 14.6 22.0#



#11

Pentachlorophenol

Concen: 1.29 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

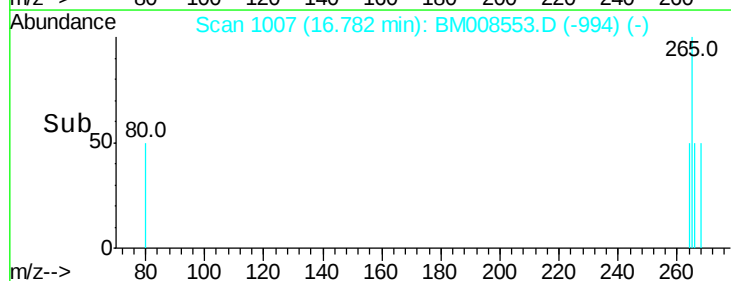
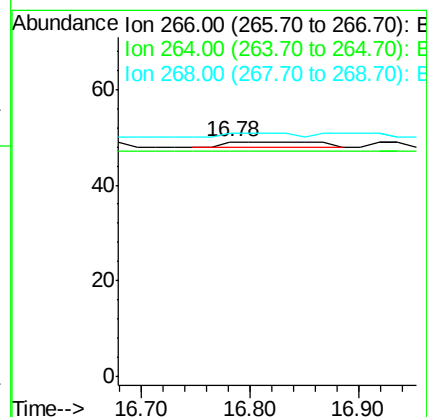
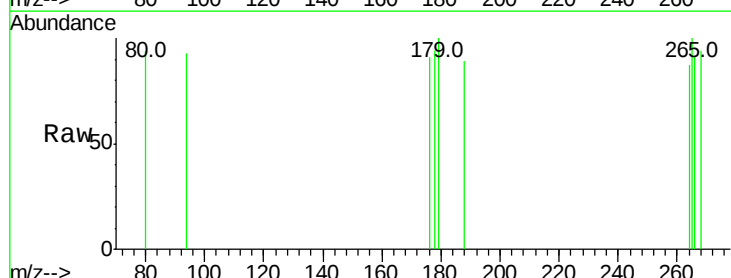
Tgt Ion:266 Resp: 6

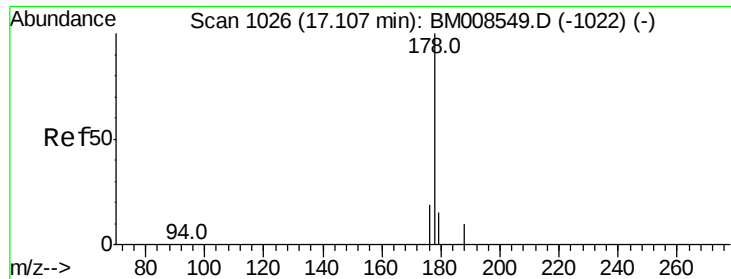
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 66.7 49.8 74.8





#12

Phenanthrene

Concen: 0.52 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.03 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

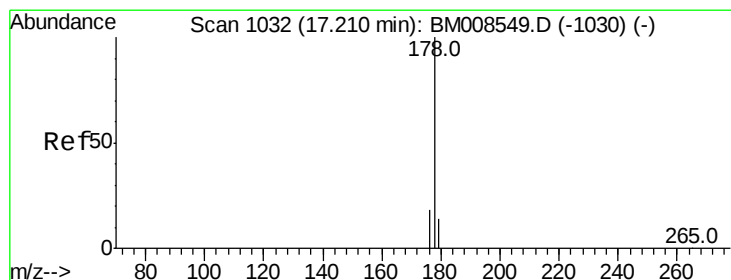
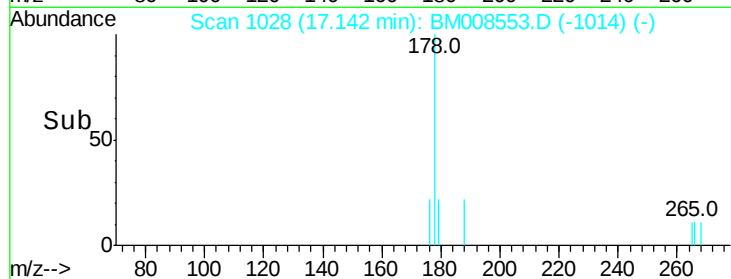
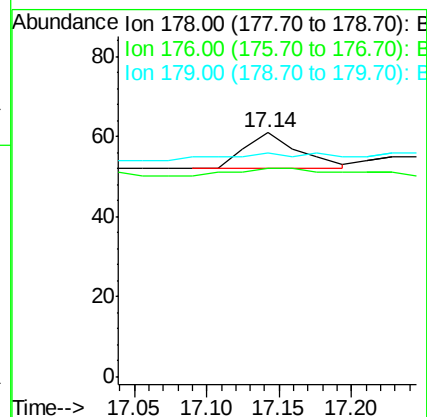
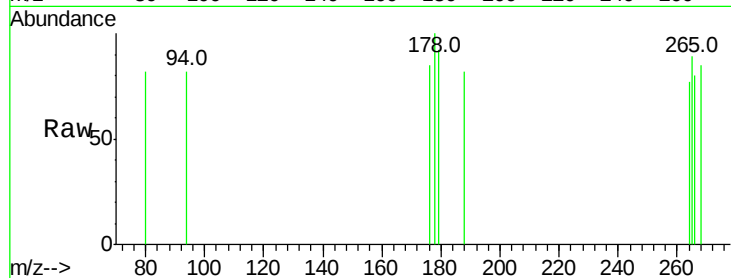
Tot Ion:178 Resp: 24

Ion Ratio Lower Upper

178 100

176 85.2 18.4 27.6#

179 91.8 13.6 20.4#



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.03 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

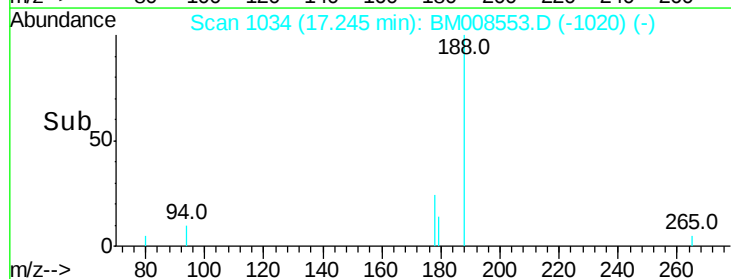
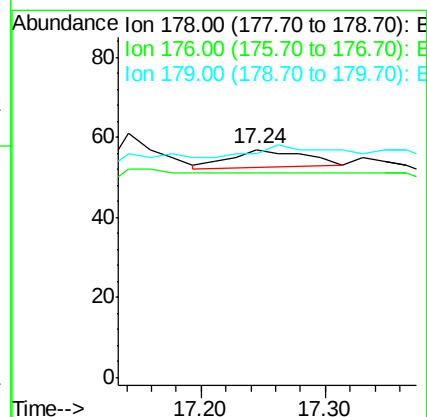
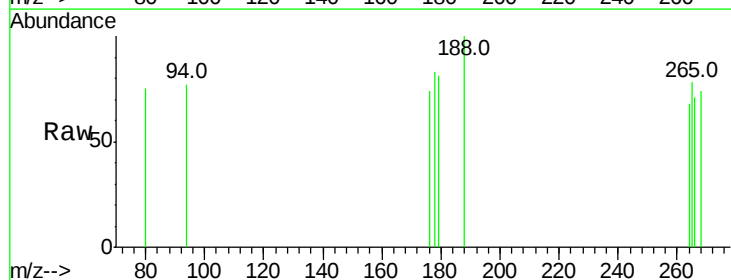
Tgt Ion:178 Resp: 20

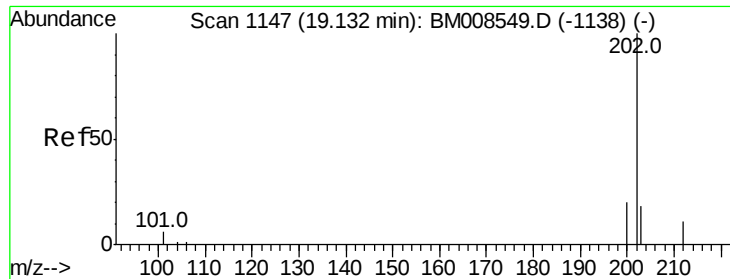
Ion Ratio Lower Upper

178 100

176 89.5 18.1 27.1#

179 98.2 14.7 22.1#





#15

Fluoranthene

Concen: 0.57 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

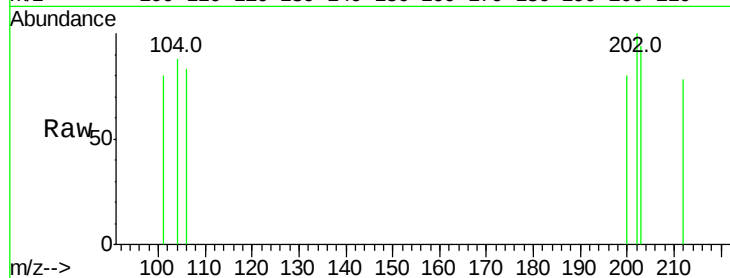
Tot Ion:202 Resp: 32

Ion Ratio Lower Upper

202 100

101 80.0 0.0 30.3#

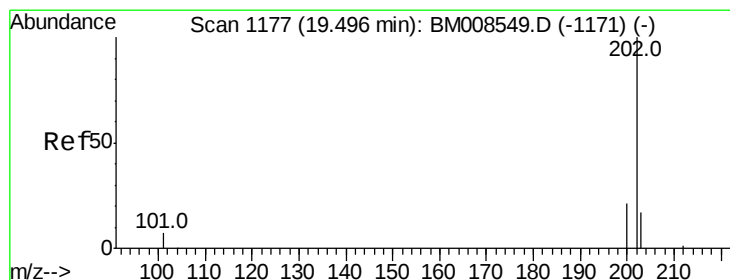
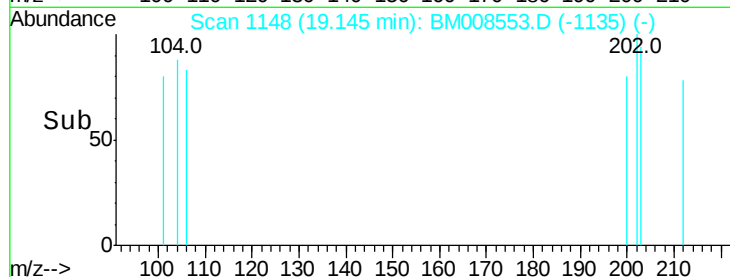
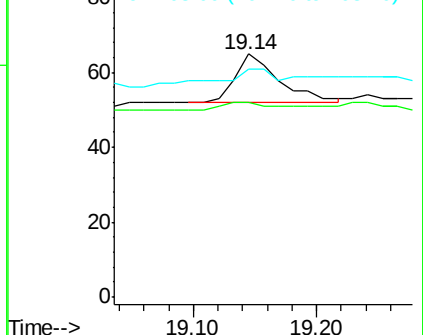
203 93.8 0.0 39.5#



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: 0.25 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

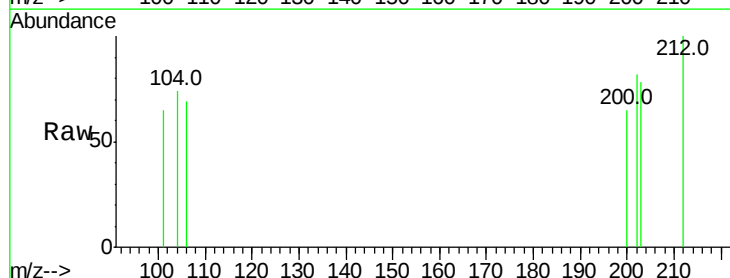
Tgt Ion:202 Resp: 56

Ion Ratio Lower Upper

202 100

200 78.6 18.2 27.4#

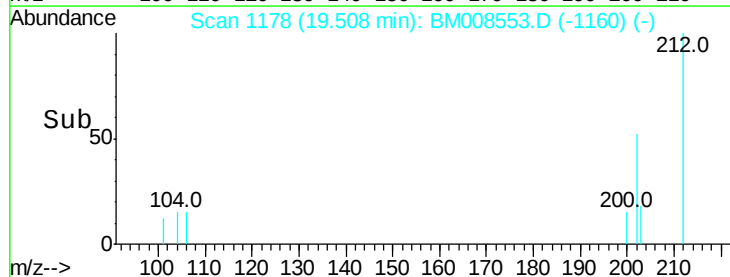
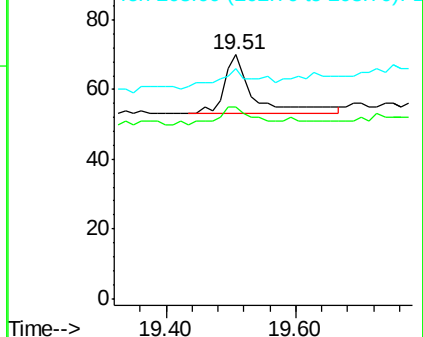
203 94.3 15.6 23.4#

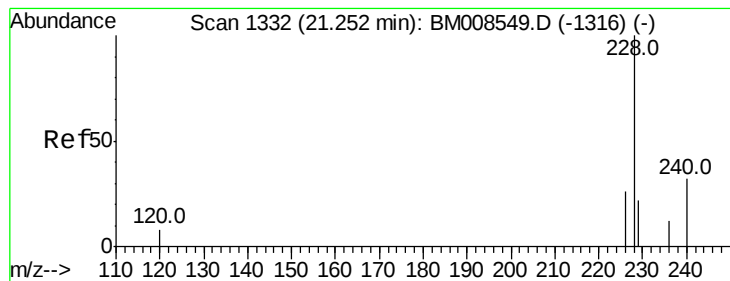


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.19 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.02 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

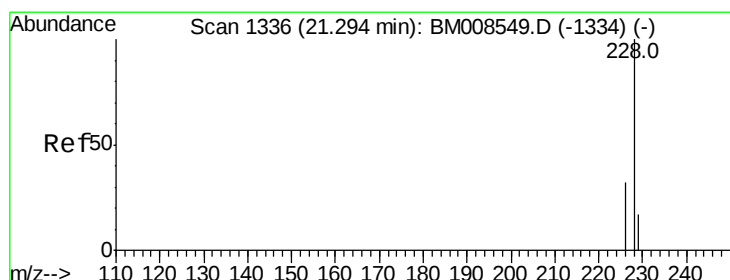
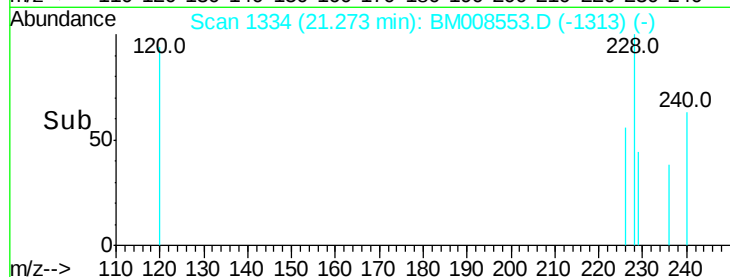
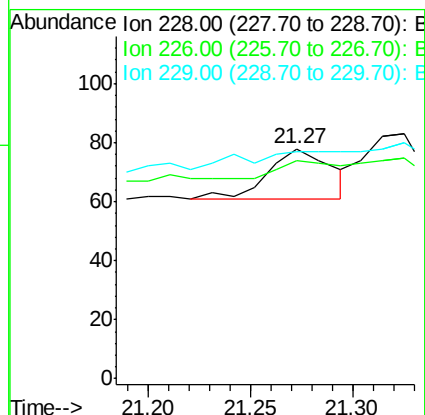
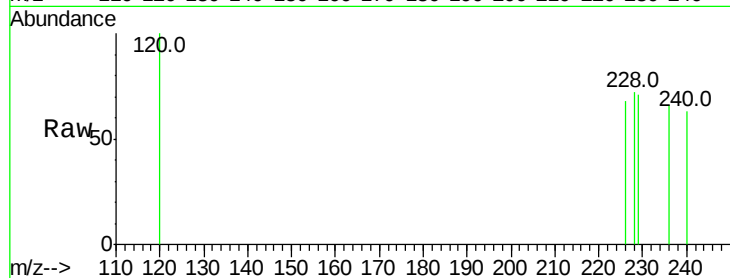
Tot Ion:228 Resp: 37

Ion Ratio Lower Upper

228 100

226 94.9 22.8 34.2#

229 98.7 17.0 25.6#



#19

Chrysene

Concen: 0.30 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. 0.03 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

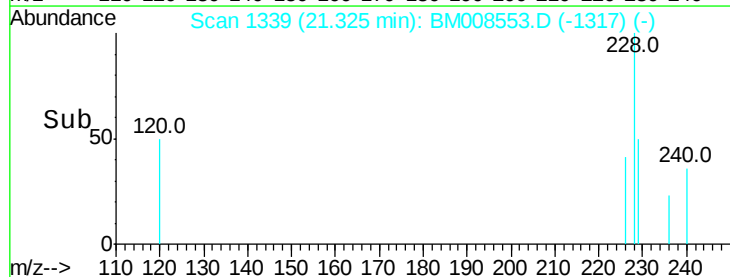
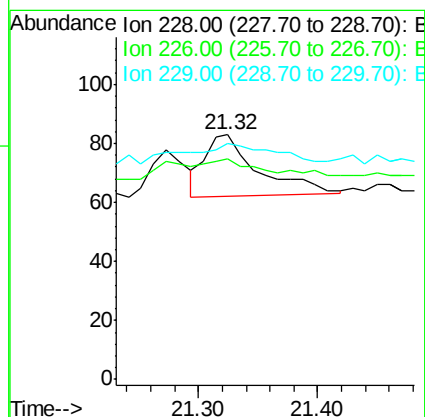
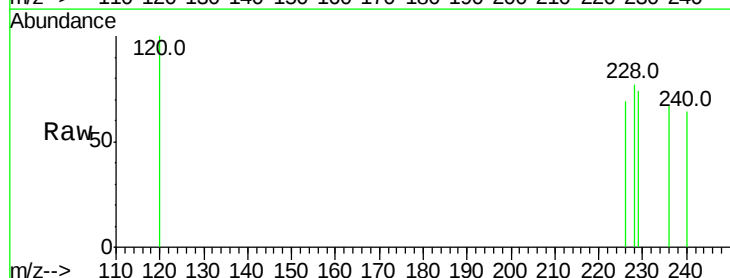
Tgt Ion:228 Resp: 64

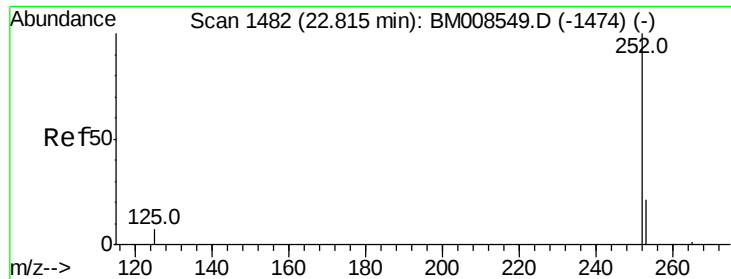
Ion Ratio Lower Upper

228 100

226 90.4 23.4 35.0#

229 96.4 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.35 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.02 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

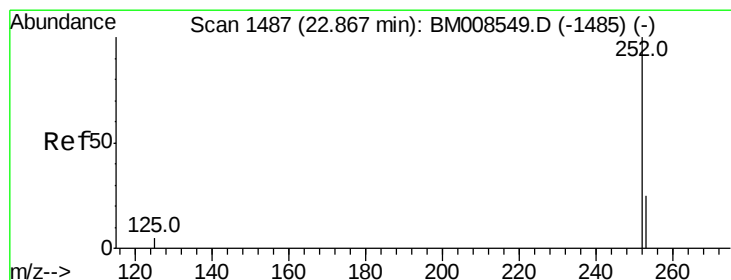
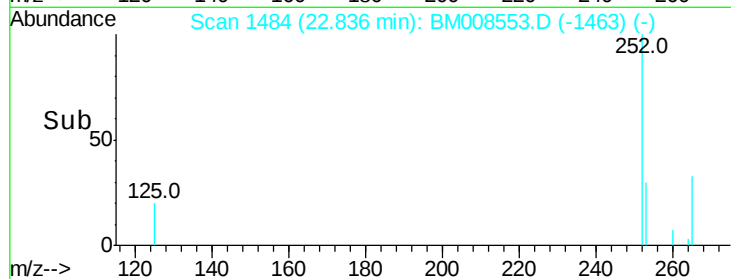
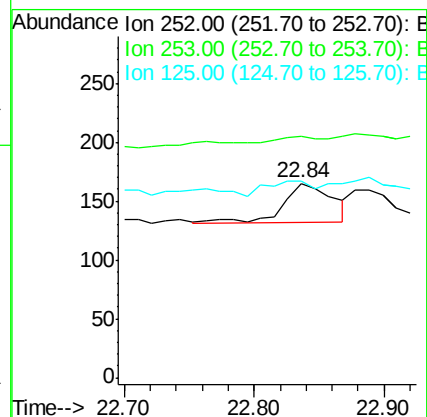
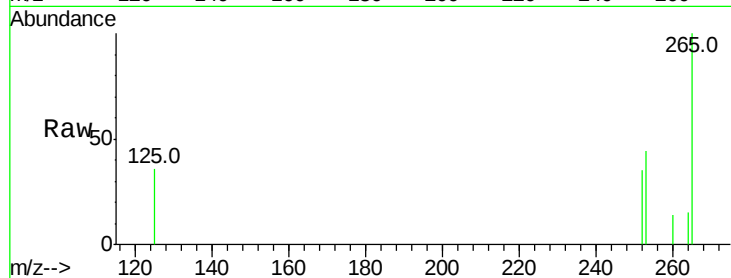
Tot Ion:252 Resp: 89

Ion Ratio Lower Upper

252 100

253 124.2 0.0 64.2#

125 101.2 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 0.28 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

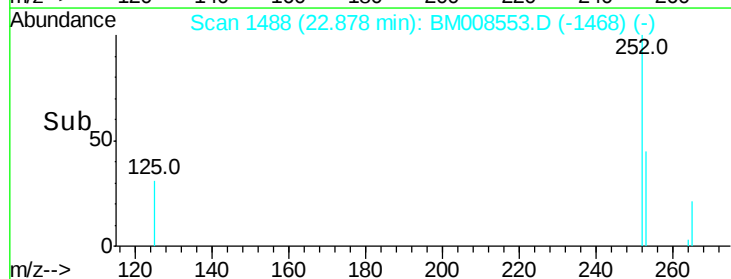
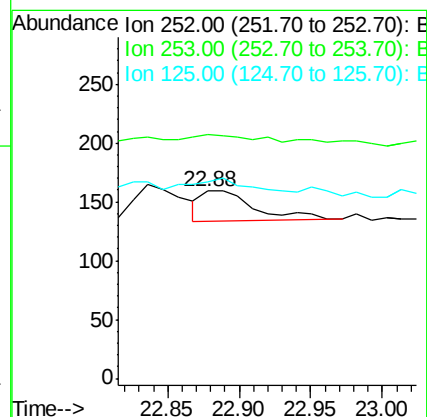
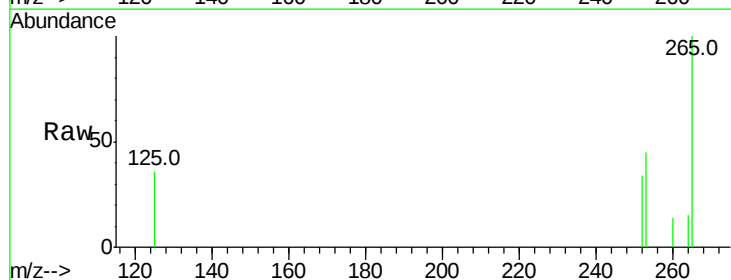
Tgt Ion:252 Resp: 68

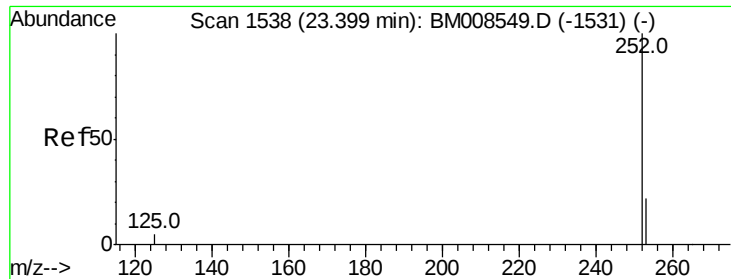
Ion Ratio Lower Upper

252 100

253 130.2 24.5 36.7#

125 105.0 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.18 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. 0.03 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

Instrument :

BNA_M

ClientSampleId :

DA827RE

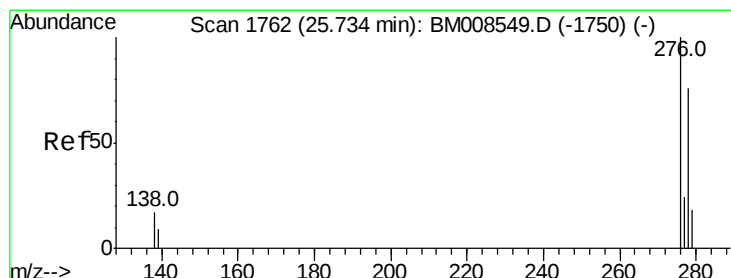
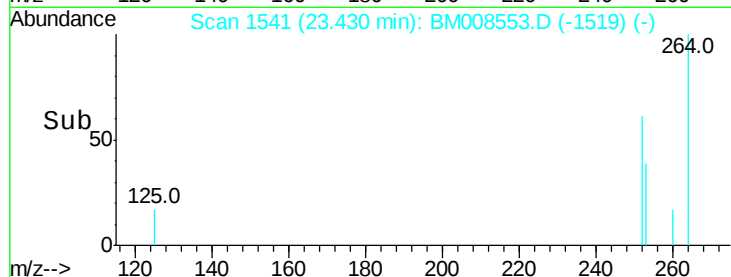
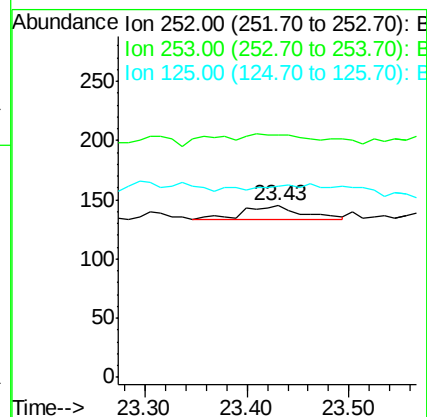
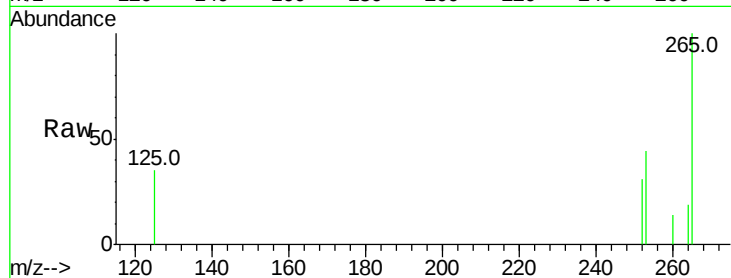
Tot Ion:252 Resp: 43

Ion Ratio Lower Upper

252 100

253 141.4 28.5 42.7#

125 111.7 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.03 min

Lab File: BM008553.D

Acq: 22 Dec 2016 13:31

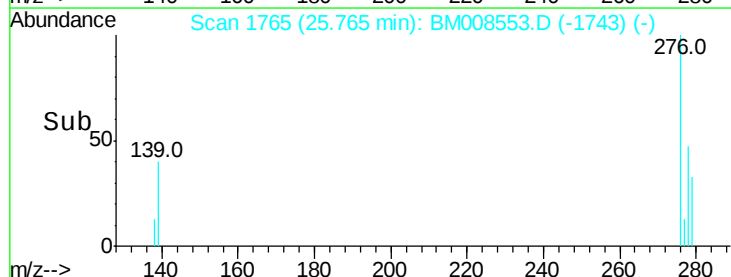
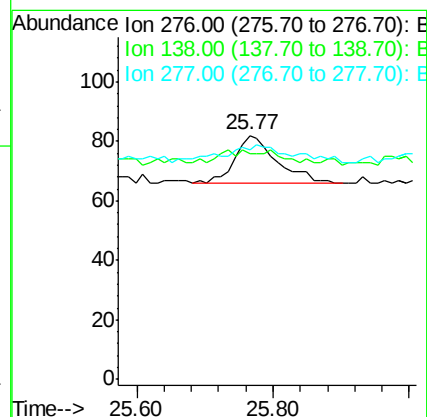
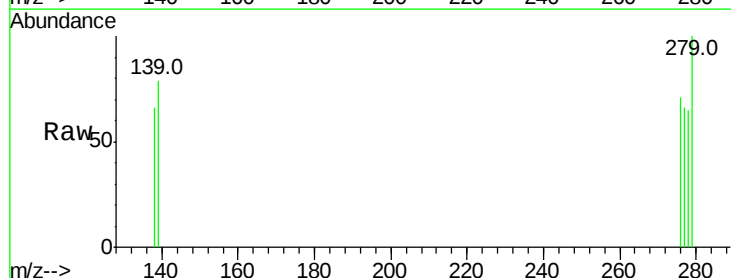
Tgt Ion:276 Resp: 69

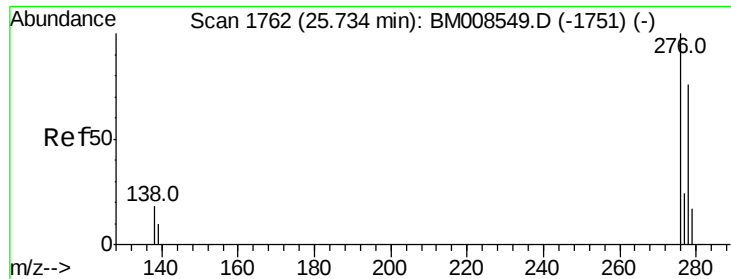
Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

277 44.9 19.6 29.4#

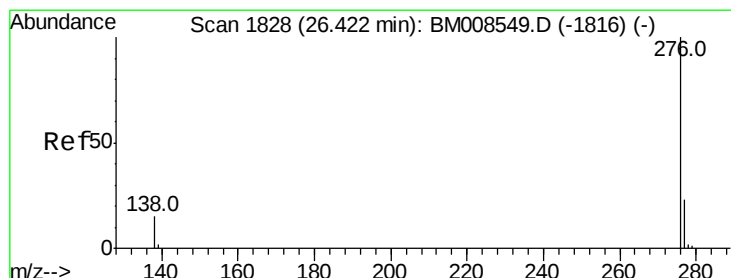
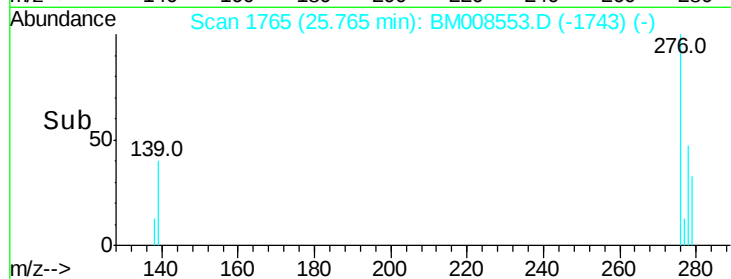
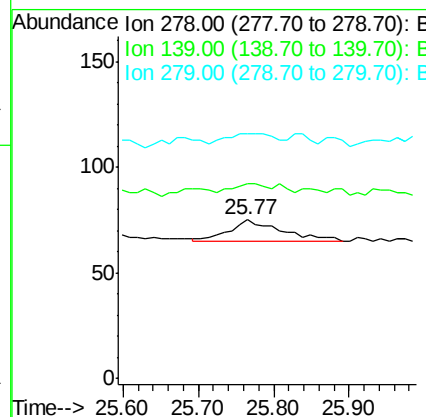
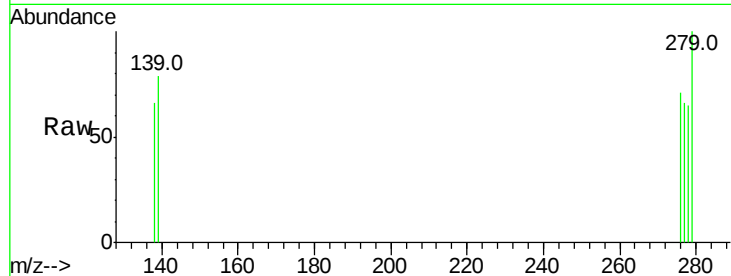




#25
Dibenzo(a,h)anthracene
Concen: 0.22 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. 0.03 min
Lab File: BM008553.D
Acq: 22 Dec 2016 13:31

Instrument :
BNA_M
ClientSampleId :
DA827RE

Tot Ion:278 Resp: 49
Ion Ratio Lower Upper
278 100
139 122.7 17.4 26.0#
279 154.7 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.30 ng/ul
RT: 26.44 min Scan# 1830
Delta R.T. 0.02 min
Lab File: BM008553.D
Acq: 22 Dec 2016 13:31

Tgt Ion:276 Resp: 71
Ion Ratio Lower Upper
276 100
277 96.3 21.8 32.8#
138 93.9 20.5 30.7#

