

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003597.D
 Acq On : 17 Dec 2015 13:49
 Operator : UM/IZ
 Sample : G4767-23
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N45

Quant Time: Dec 18 00:30:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 00:27:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3216	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	12737	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	7004	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	902058	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	13694	0.40	ng/ul	0.00
22) Perylene-d12	23.41	264	889114	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	15985	11.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	5004	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	10414	0.01	ng/ul	0.00

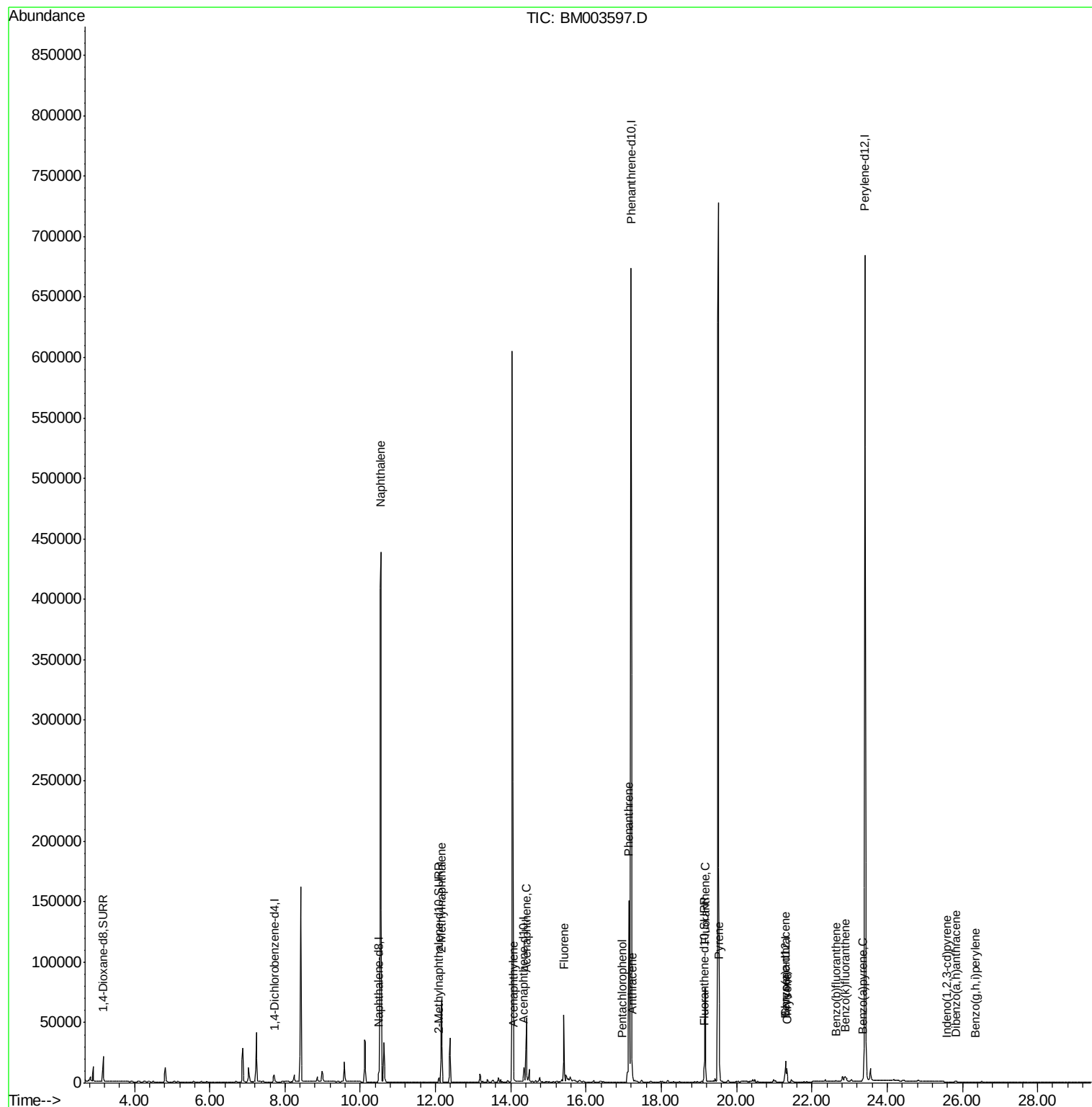
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	660649	23.02	ng/ul	100
7) 2-Methylnaphthalene	12.16	142	51851	2.69	ng/ul	99
9) Acenaphthylene	14.07	152	5587	0.21	ng/ul#	91
10) Acenaphthene	14.42	153	34483	1.60	ng/ul	96
11) Fluorene	15.41	166	38695	1.62	ng/ul	94
13) Pentachlorophenol	16.95	266	3	0.00	ng/ul#	20
14) Phenanthrene	17.14	178	165382	0.07	ng/ul	96
15) Anthracene	17.23	178	14192	0.01	ng/ul	97
17) Fluoranthene	19.17	202	88085	0.03	ng/ul	92
19) Pyrene	19.54	202	59214	1.60	ng/ul	94
20) Benzo(a)anthracene	21.29	228	12822	0.38	ng/ul	95
21) Chrysene	21.34	228	10244	0.27	ng/ul	94
23) Benzo(b)fluoranthene	22.63	252	88	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	7853	0.00	ng/ul#	74
25) Benzo(a)pyrene	23.36	252	2288	0.00	ng/ul#	45
26) Indeno(1,2,3-cd)pyrene	25.57	276	552	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.82	278	190	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.33	276	16	0.00	ng/ul#	1

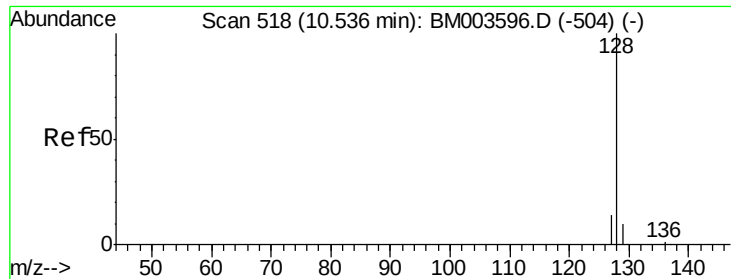
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 23.02 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.01 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

Instrument :

BNA_M

ClientSampleId :

D9N45

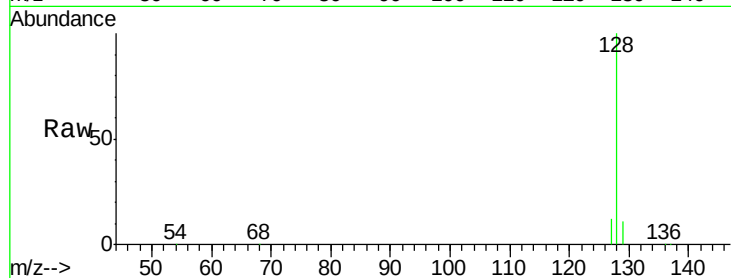
Tgt Ion:128 Resp: 660649

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

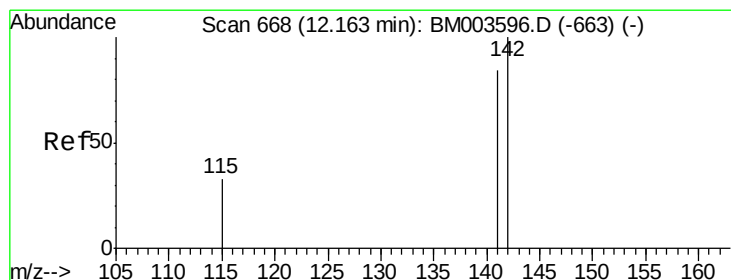
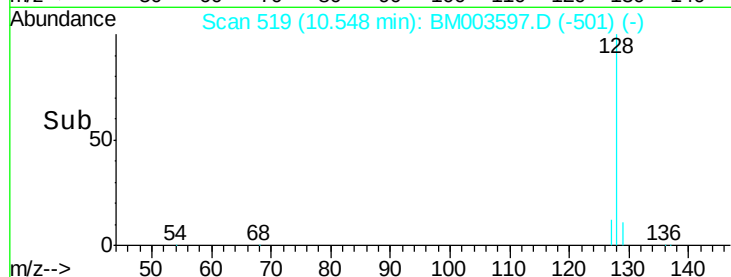
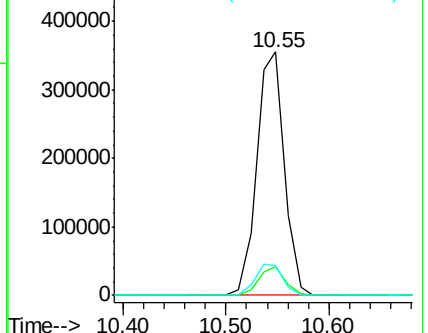
127 12.0 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 2.69 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM003597.D

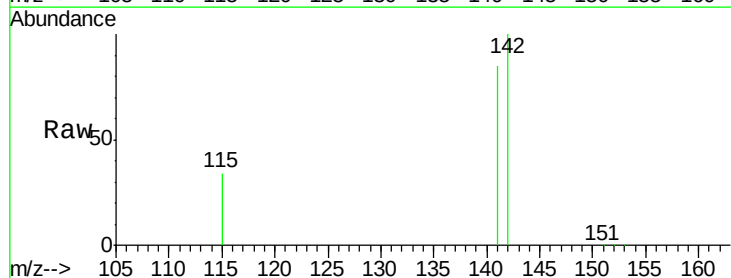
Acq: 17 Dec 2015 13:49

Tgt Ion:142 Resp: 51851

Ion Ratio Lower Upper

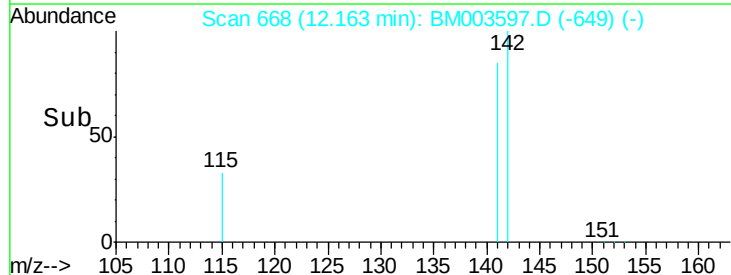
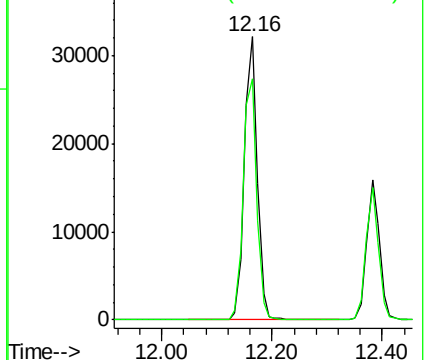
142 100

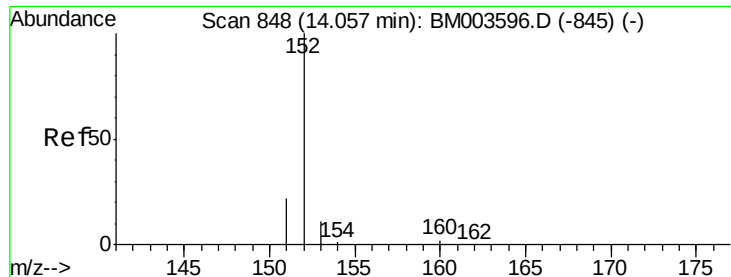
141 89.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.02 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

Instrument :

BNA_M

ClientSampleId :

D9N45

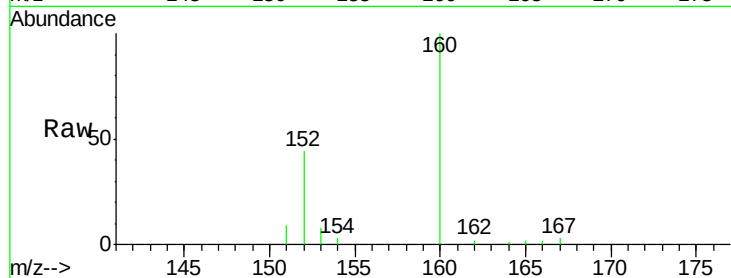
Tgt Ion:152 Resp: 5587

Ion Ratio Lower Upper

152 100

151 20.1 17.6 26.4

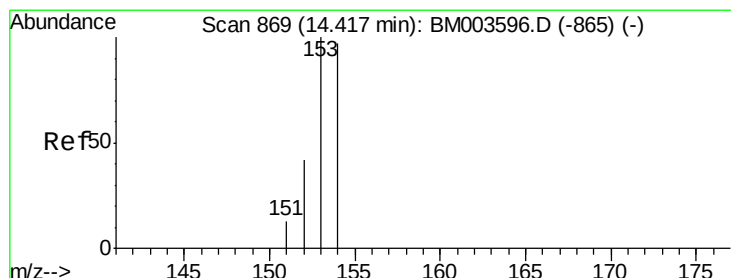
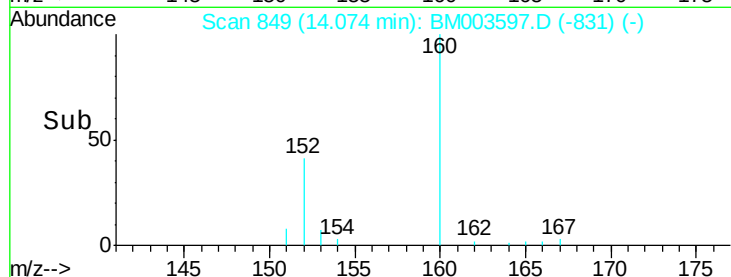
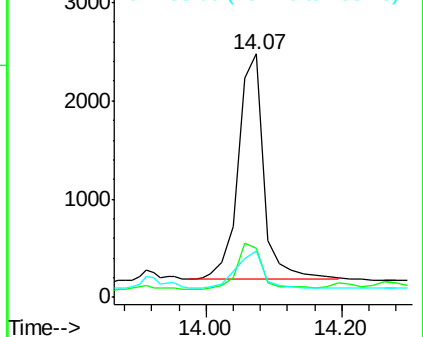
153 19.0 9.7 14.5#



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



#10

Acenaphthene

Concen: 1.60 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

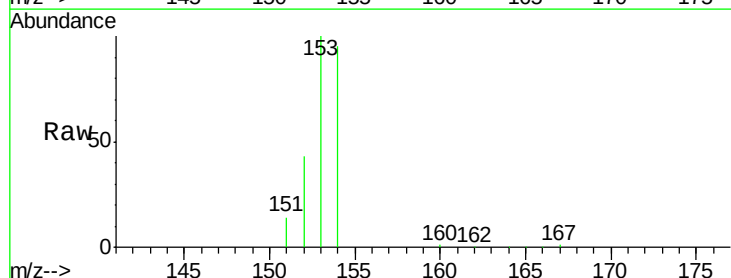
Tgt Ion:153 Resp: 34483

Ion Ratio Lower Upper

153 100

152 43.3 33.9 50.9

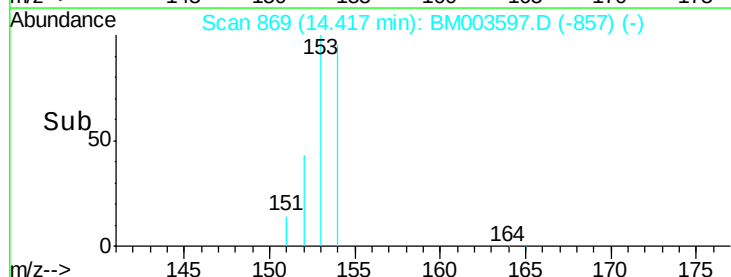
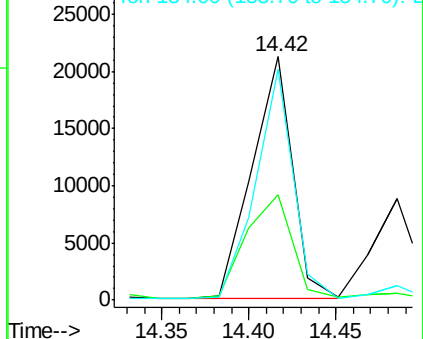
154 95.0 80.6 121.0

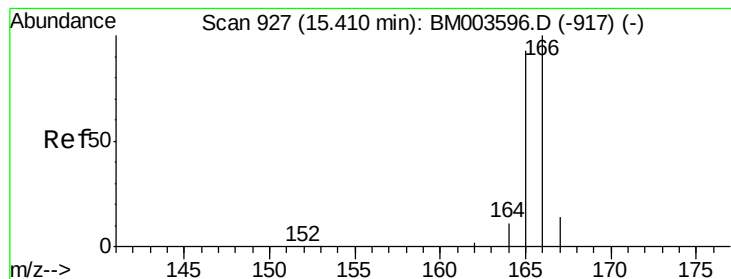


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.62 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

Instrument :

BNA_M

ClientSampleId :

D9N45

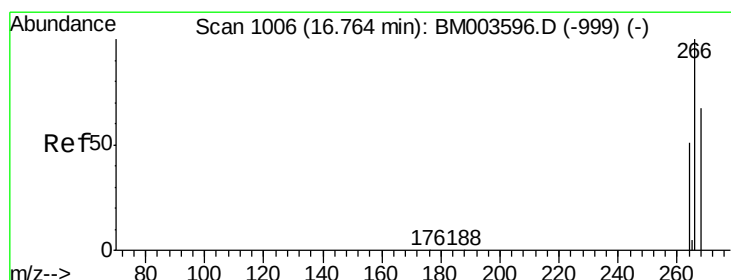
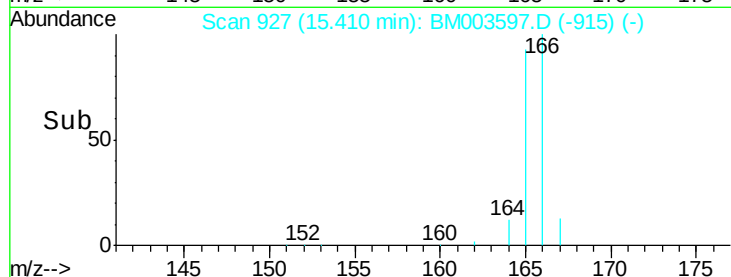
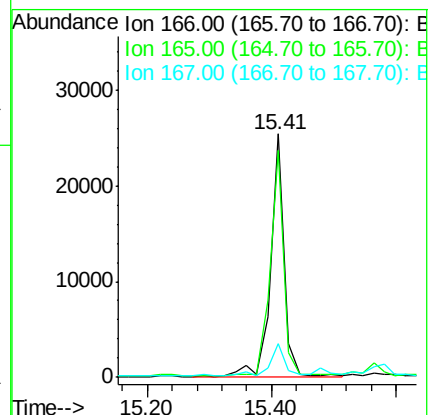
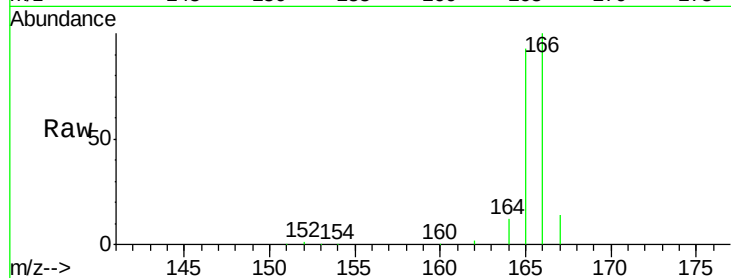
Tgt Ion:166 Resp: 38695

Ion Ratio Lower Upper

166 100

165 93.3 69.6 104.4

167 14.0 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. 0.19 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

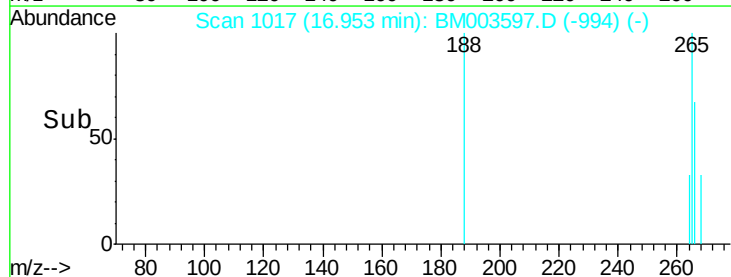
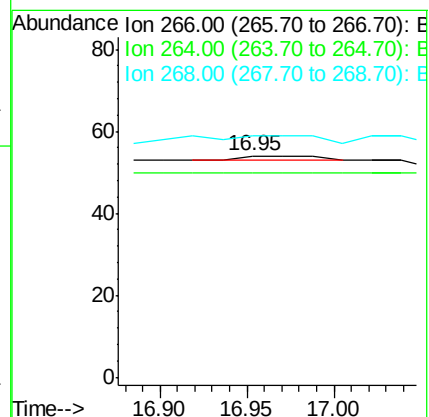
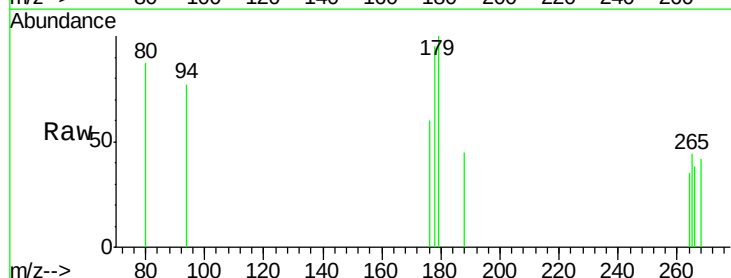
Tgt Ion:266 Resp: 3

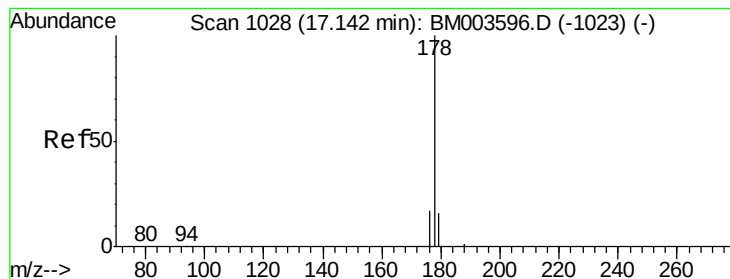
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

Instrument :

BNA_M

ClientSampleId :

D9N45

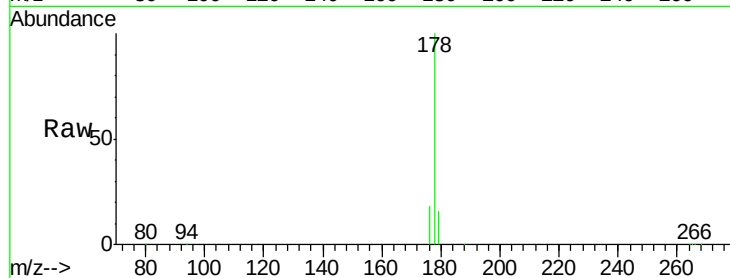
Tgt Ion:178 Resp: 165382

Ion Ratio Lower Upper

178 100

176 18.0 13.0 19.4

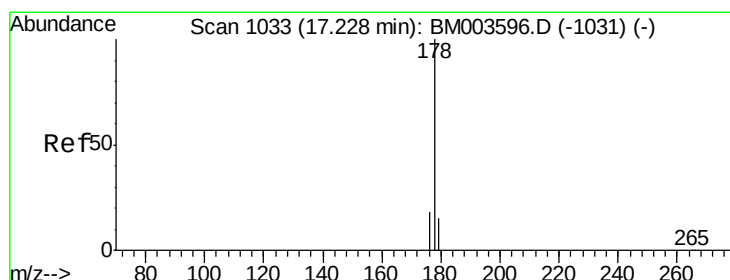
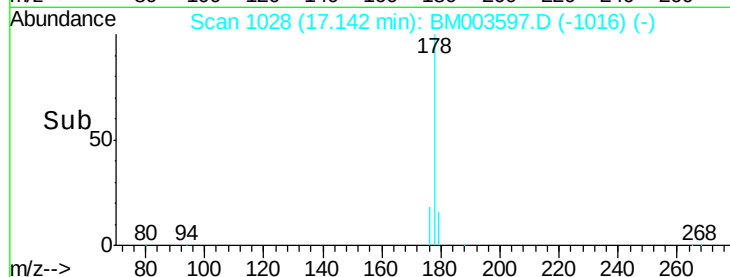
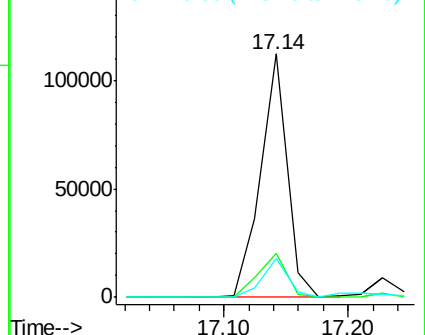
179 16.2 14.2 21.2



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

Anthracene

Concen: 0.01 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

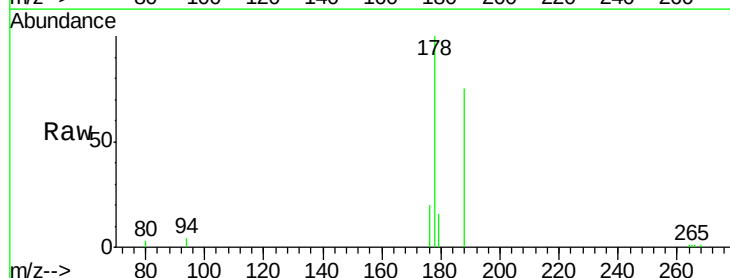
Tgt Ion:178 Resp: 14192

Ion Ratio Lower Upper

178 100

176 19.9 14.0 21.0

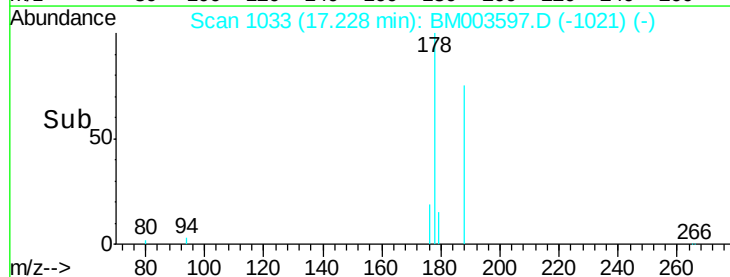
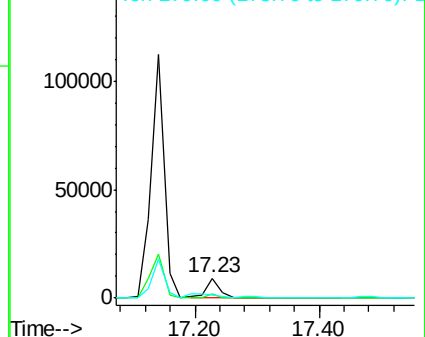
179 16.4 12.9 19.3

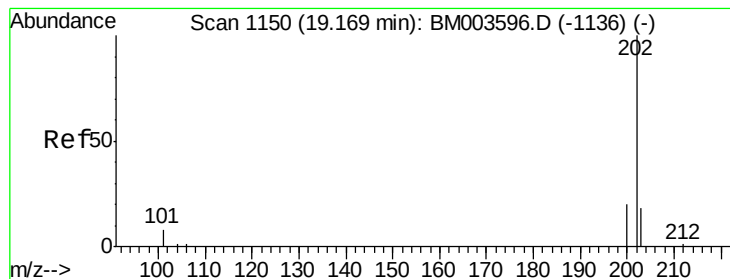


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

Instrument :

BNA_M

ClientSampleId :

D9N45

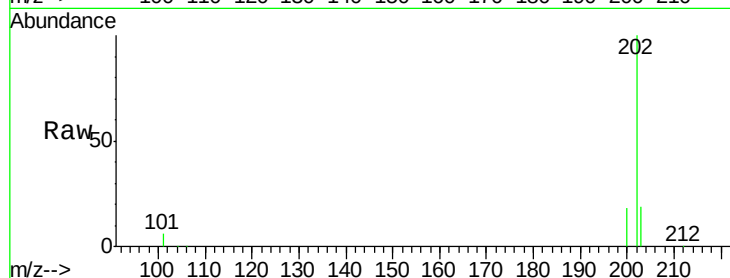
Tgt Ion:202 Resp: 88085

Ion Ratio Lower Upper

202 100

101 6.0 0.0 29.6

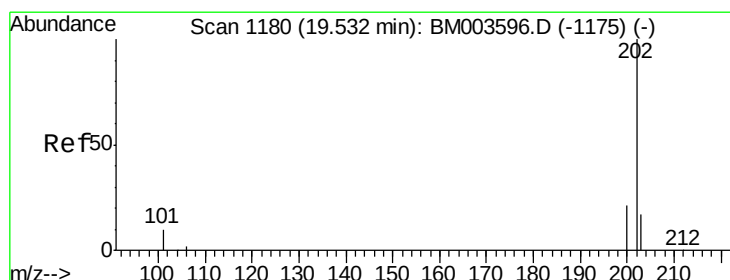
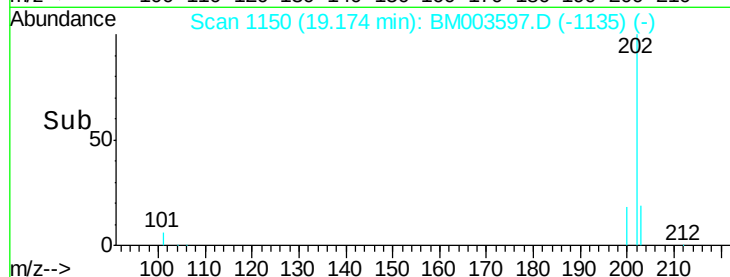
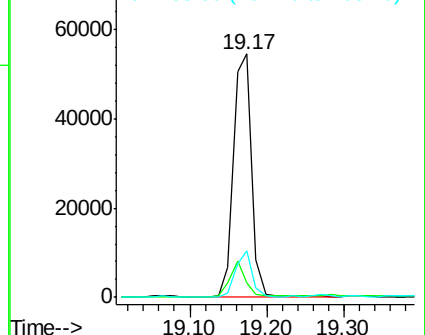
203 19.0 0.0 36.3



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



#19

Pyrene

Concen: 1.60 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

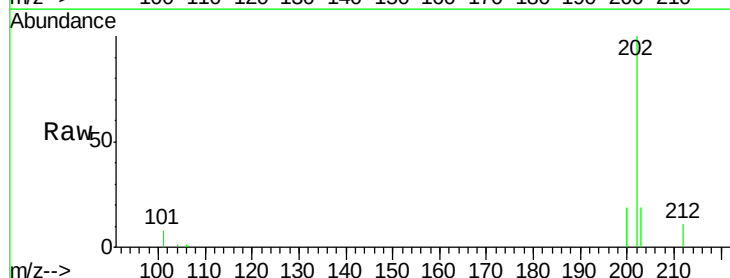
Tgt Ion:202 Resp: 59214

Ion Ratio Lower Upper

202 100

200 19.2 17.8 26.8

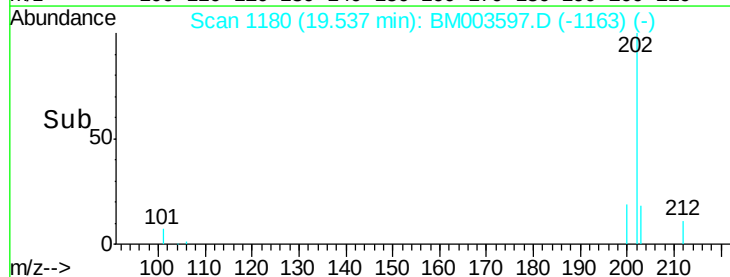
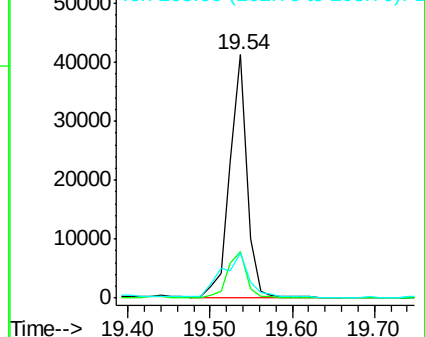
203 18.7 12.8 19.2

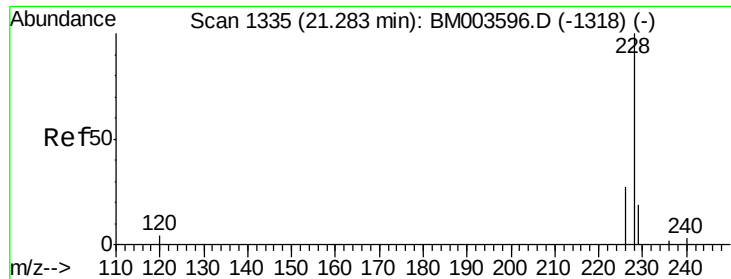


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. 0.00 min

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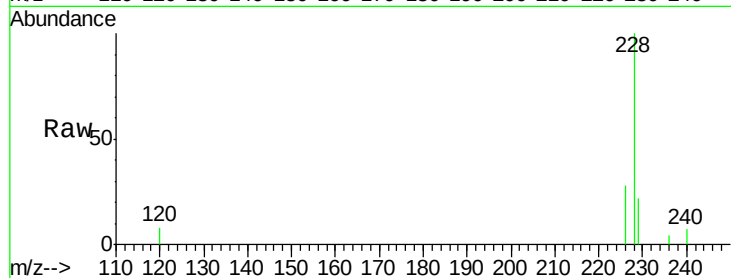
Tgt Ion:228 Resp: 12822

Ion Ratio Lower Upper

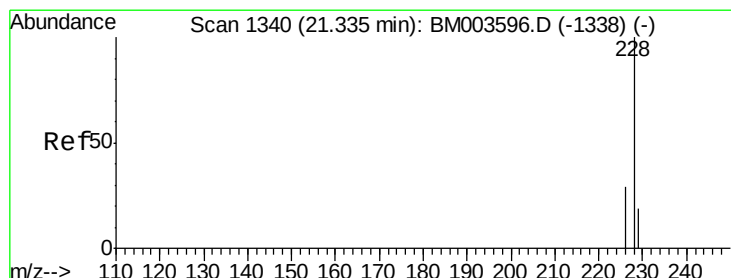
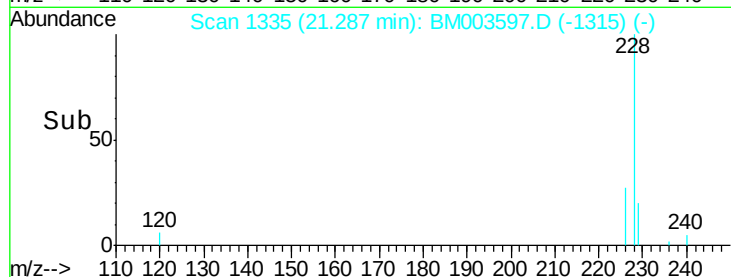
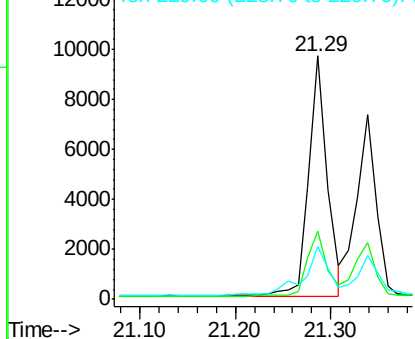
228 100

226 27.9 18.8 28.2

229 21.6 17.1 25.7



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

Chrysene

Concen: 0.27 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

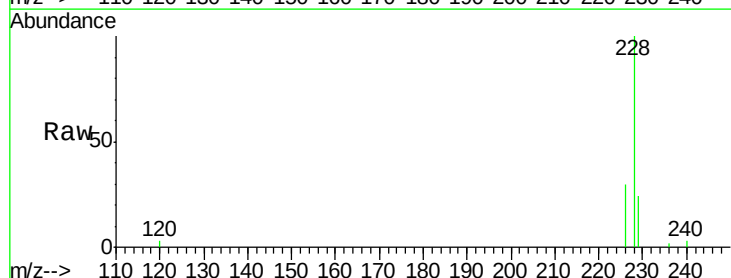
Tgt Ion:228 Resp: 10244

Ion Ratio Lower Upper

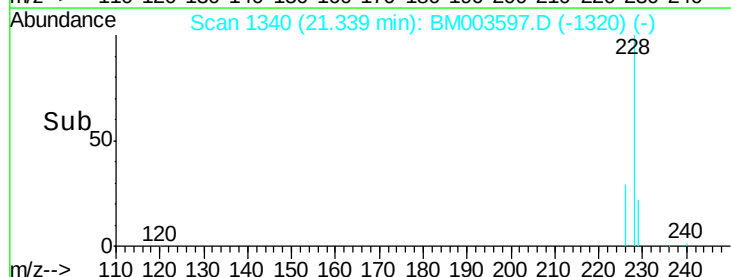
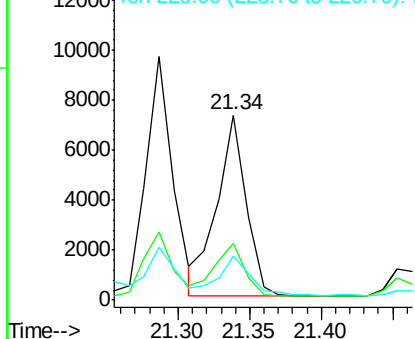
228 100

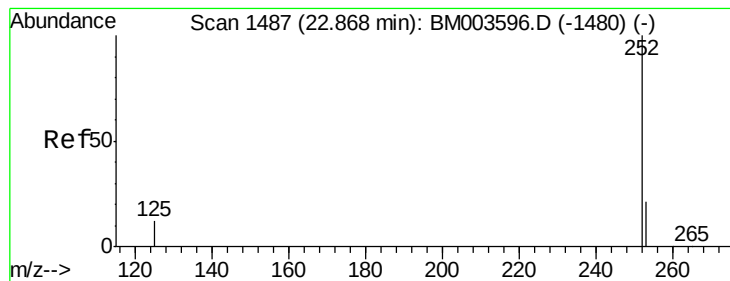
226 30.4 21.2 31.8

229 23.6 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





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.63 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

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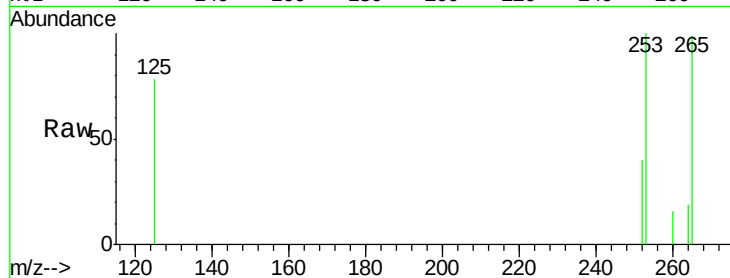
Tgt Ion: 252 Resp: 88

Ion Ratio Lower Upper

252 100

253 247.0 0.0 45.4#

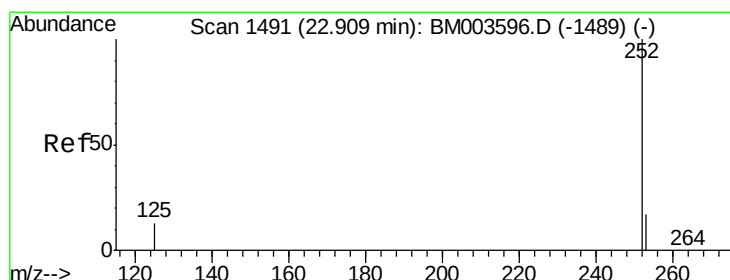
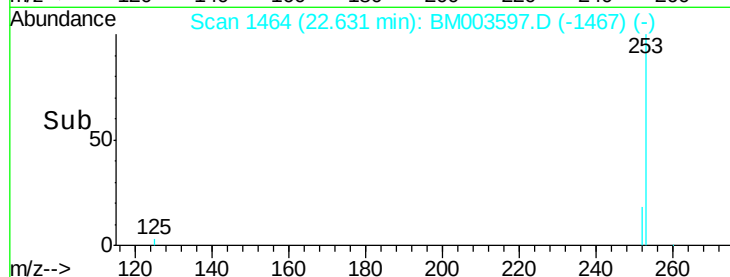
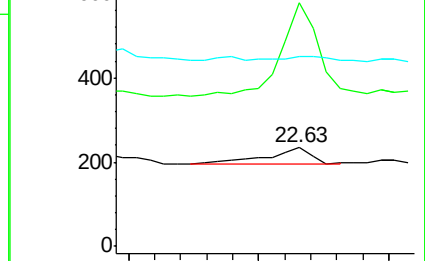
125 192.3 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.03 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

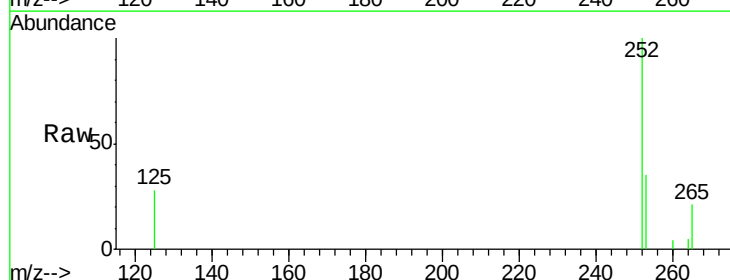
Tgt Ion: 252 Resp: 7853

Ion Ratio Lower Upper

252 100

253 34.6 19.8 29.8#

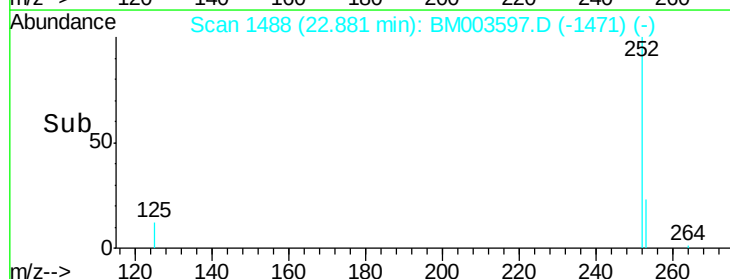
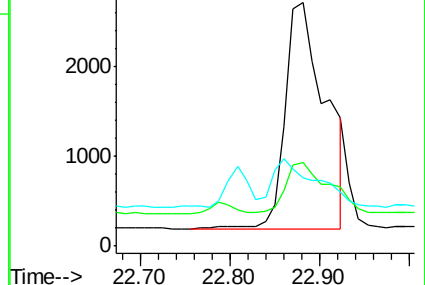
125 27.9 10.4 15.6#

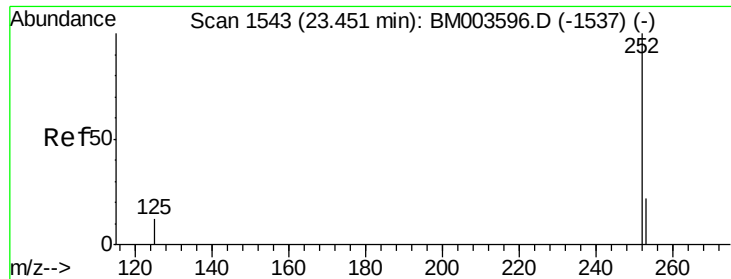


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. -0.09 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

Instrument :

BNA_M

ClientSampleId :

D9N45

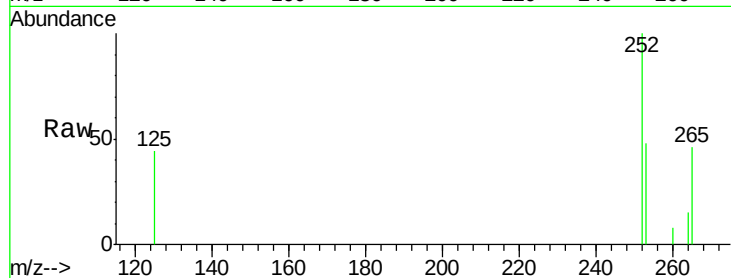
Tgt Ion:252 Resp: 2288

Ion Ratio Lower Upper

252 100

253 47.7 19.4 29.2#

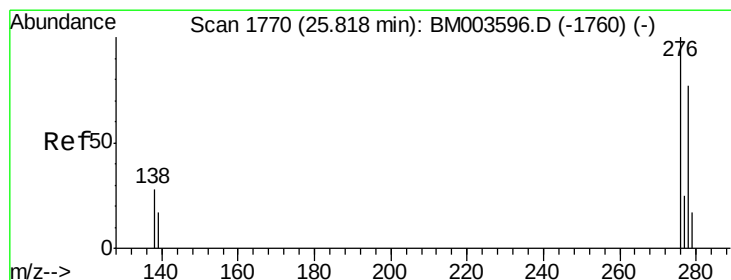
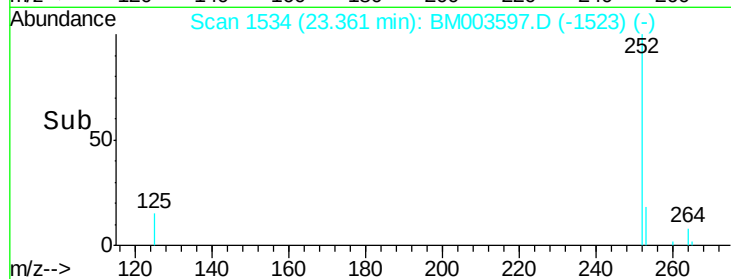
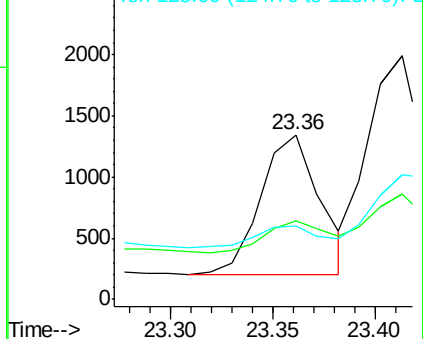
125 44.3 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.57 min Scan# 1746

Delta R.T. -0.25 min

Lab File: BM003597.D

Acq: 17 Dec 2015 13:49

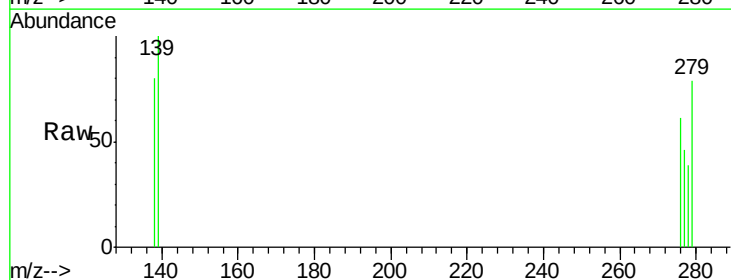
Tgt Ion:276 Resp: 552

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

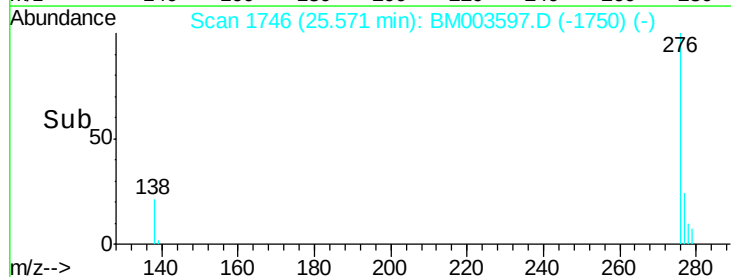
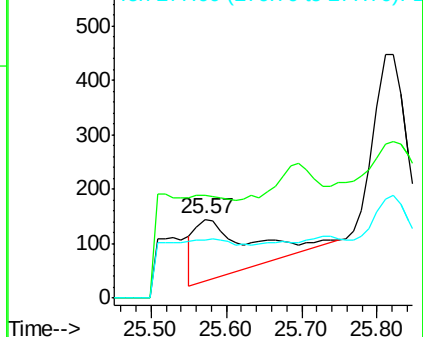
277 0.0 19.8 29.8#

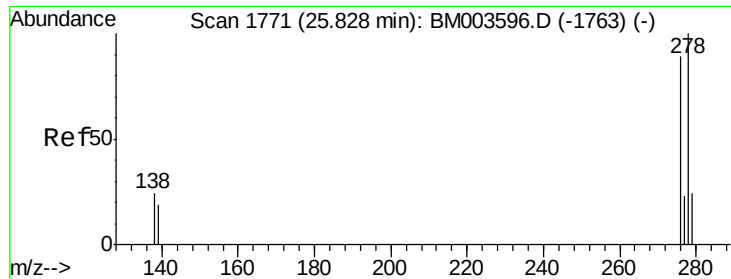


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

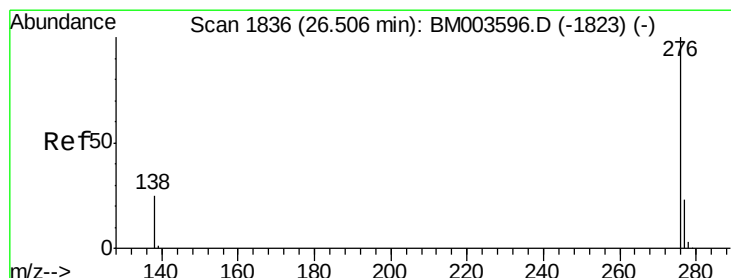
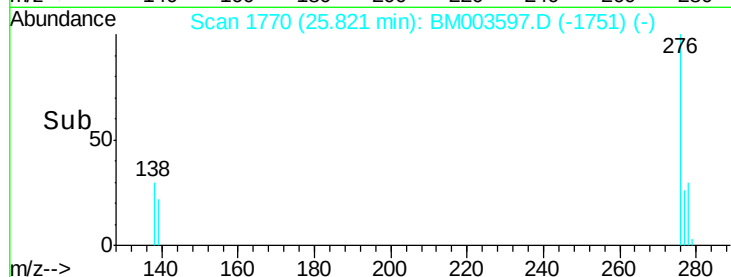
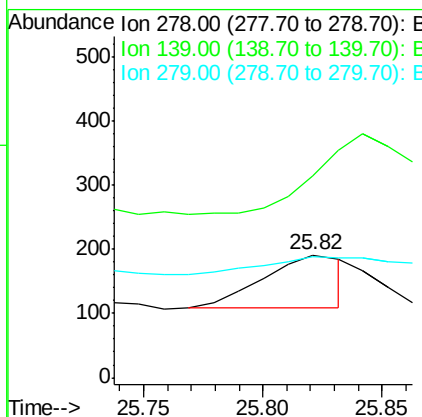
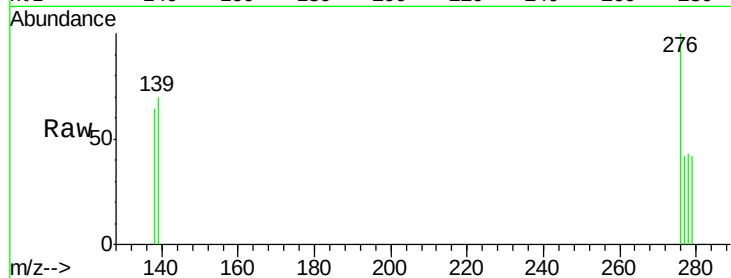




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BM003597.D
Acq: 17 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :
D9N45

Tgt Ion: 278 Resp: 190
Ion Ratio Lower Upper
278 100
139 164.9 16.4 24.6#
279 98.4 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.33 min Scan# 1819
Delta R.T. -0.17 min
Lab File: BM003597.D
Acq: 17 Dec 2015 13:49

Tgt Ion: 276 Resp: 16
Ion Ratio Lower Upper
276 100
277 101.1 18.9 28.3#
138 194.6 22.5 33.7#

