

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003592.D
 Acq On : 16 Dec 2015 23:55
 Operator : UM/IZ
 Sample : G4767-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N38

Quant Time: Dec 17 03:03:24 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

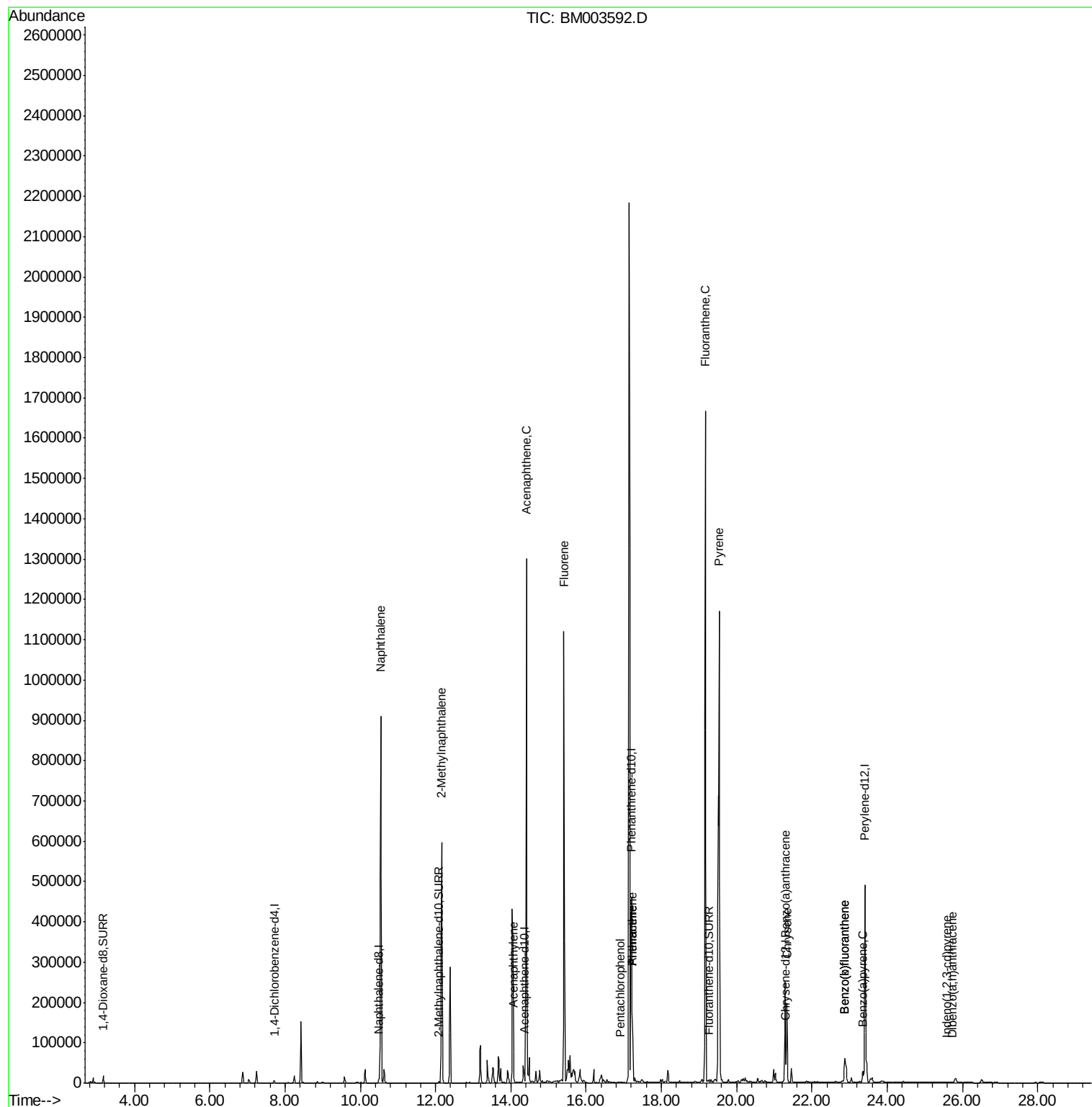
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3396	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	14536	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9131	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	709852	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	12709	0.40	ng/ul	0.00
22) Perylene-d12	23.41	264	619243	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	13026	8.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	4331	0.25	ng/ul	-0.01
16) Fluoranthene-d10	19.27	212	240	0.00	ng/ul	0.13
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	1241862	37.92	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	420606	19.13	ng/ul	100
9) Acenaphthylene	14.07	152	74099	2.12	ng/ul#	92
10) Acenaphthene	14.42	153	780268	27.75	ng/ul	88
11) Fluorene	15.41	166	734909	23.58	ng/ul	85
13) Pentachlorophenol	16.92	266	16	0.00	ng/ul#	73
14) Phenanthrene	17.23	178	228706	0.12	ng/ul#	91
15) Anthracene	17.23	178	231925	0.15	ng/ul#	94
17) Fluoranthene	19.17	202	1553921	0.78	ng/ul	97
19) Pyrene	19.54	202	1071022	31.22	ng/ul	98
20) Benzo(a)anthracene	21.29	228	222085	7.16	ng/ul	95
21) Chrysene	21.34	228	177029	4.98	ng/ul	96
23) Benzo(b)fluoranthene	22.87	252	72222	0.03	ng/ul	98
24) Benzo(k)fluoranthene	22.87	252	139443	0.07	ng/ul	96
25) Benzo(a)pyrene	23.36	252	39534	0.02	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.57	276	4529	0.00	ng/ul#	76
27) Dibenzo(a,h)anthracene	25.73	278	1485	0.00	ng/ul#	13

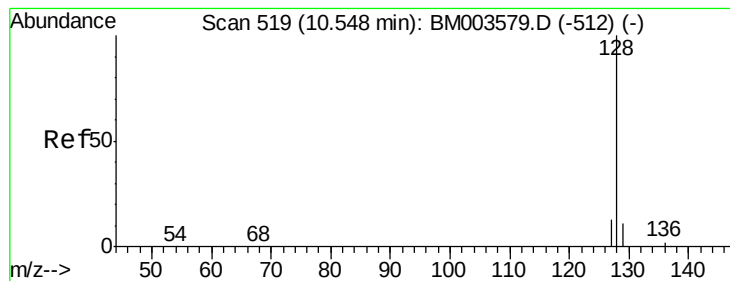
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 37.92 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

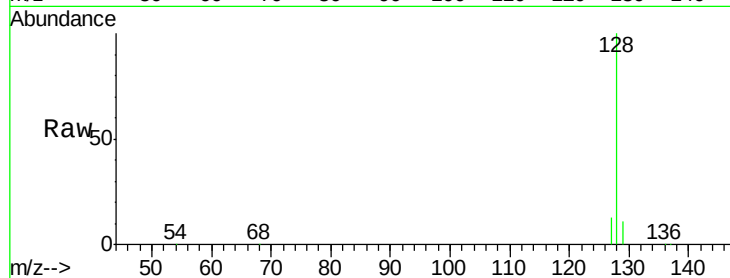
Tgt Ion:128 Resp: 1241862

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

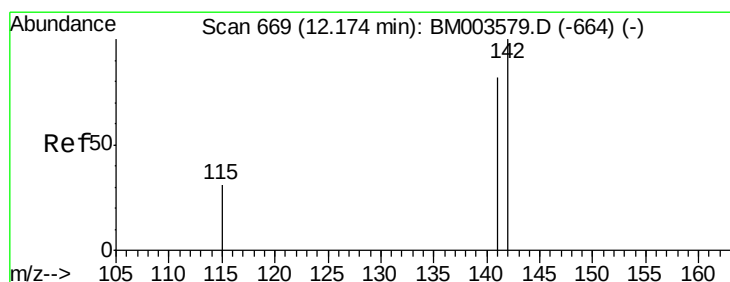
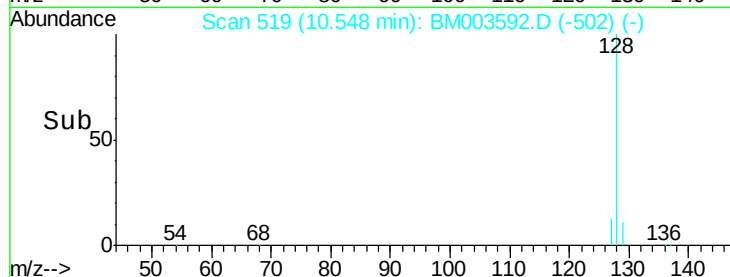
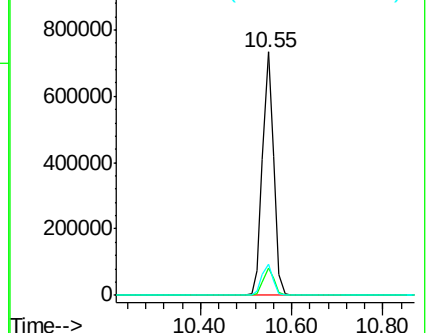
127 12.9 9.6 14.4



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: 19.13 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003592.D

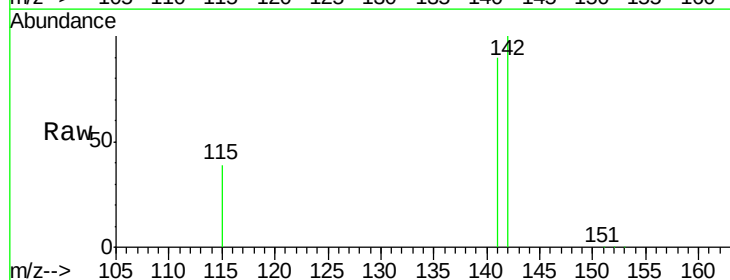
Acq: 16 Dec 2015 23:55

Tgt Ion:142 Resp: 420606

Ion Ratio Lower Upper

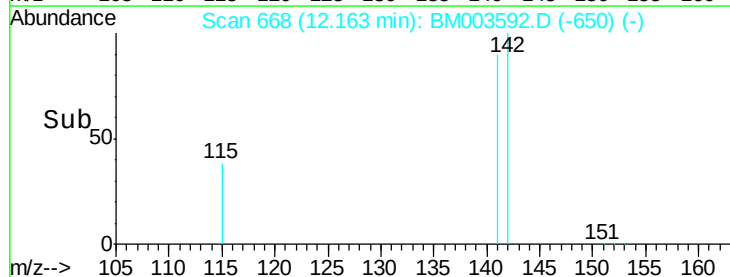
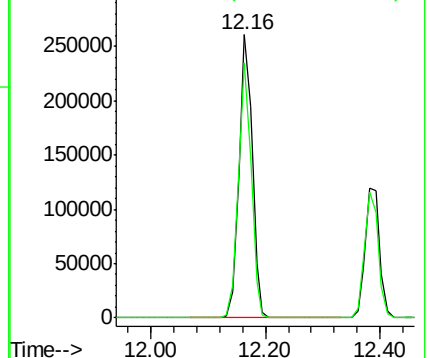
142 100

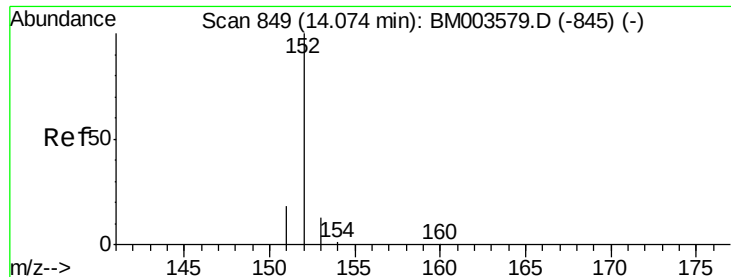
141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 2.12 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

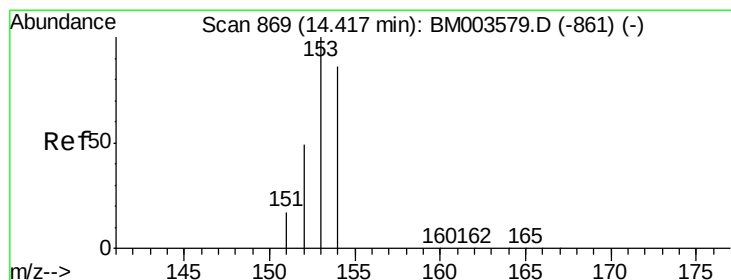
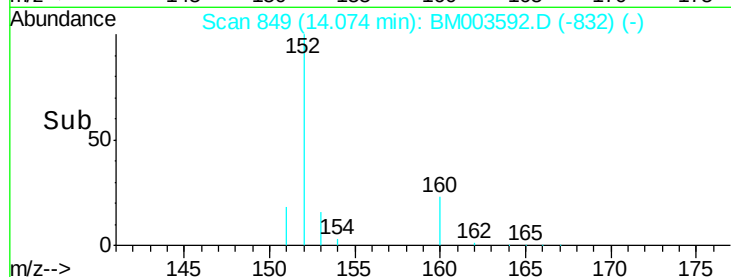
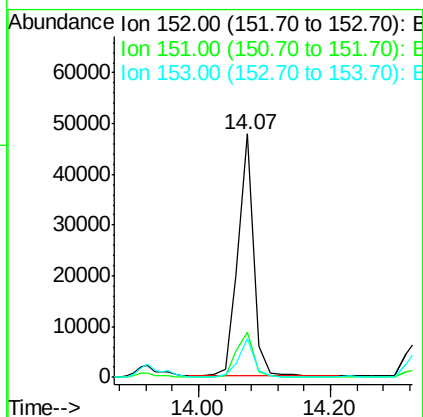
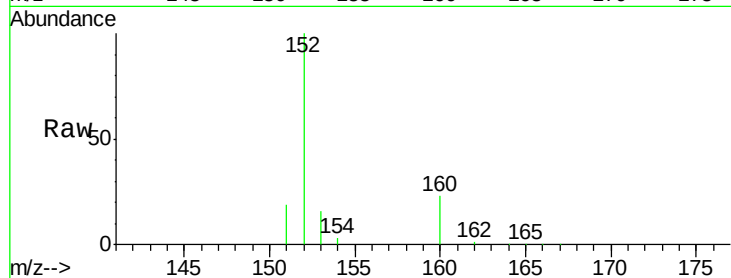
Tgt Ion:152 Resp: 74099

Ion Ratio Lower Upper

152 100

151 18.6 17.6 26.4

153 16.1 9.7 14.5#



#10

Acenaphthene

Concen: 27.75 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

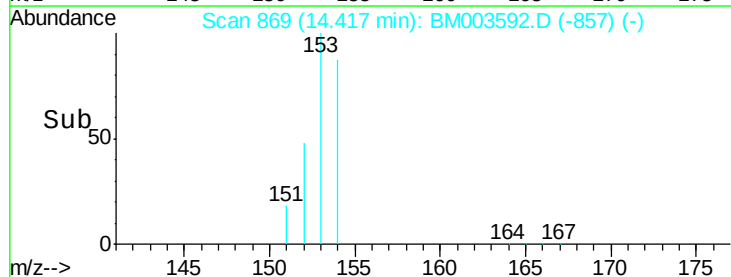
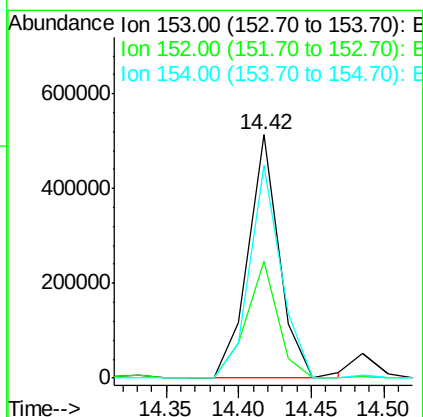
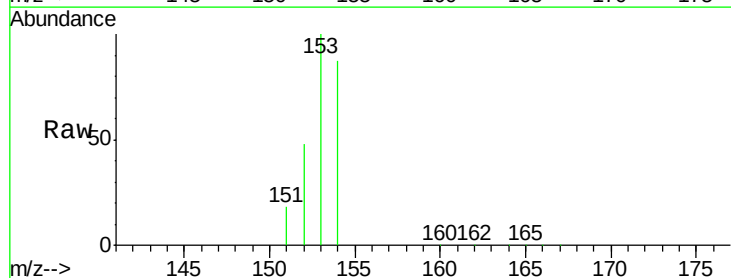
Tgt Ion:153 Resp: 780268

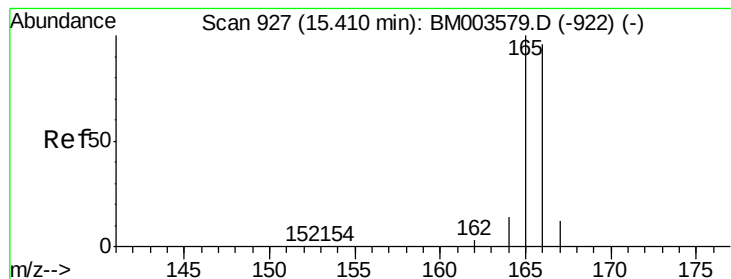
Ion Ratio Lower Upper

153 100

152 48.1 33.9 50.9

154 87.4 80.6 121.0





#11

Fluorene

Concen: 23.58 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

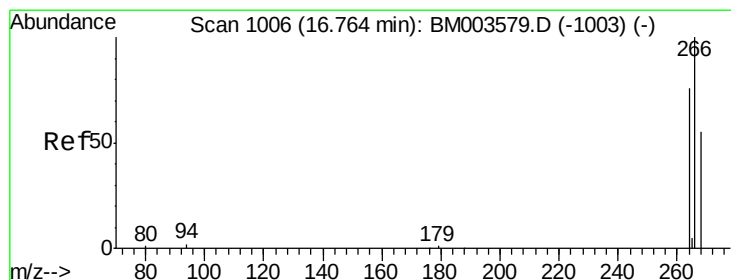
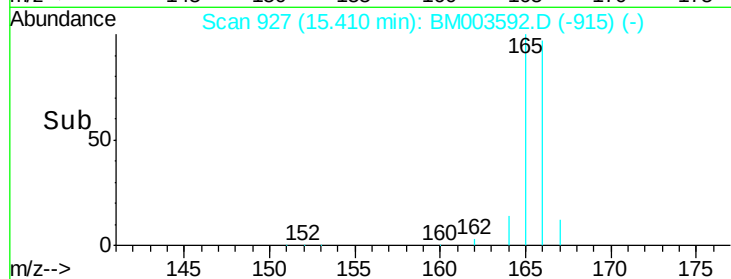
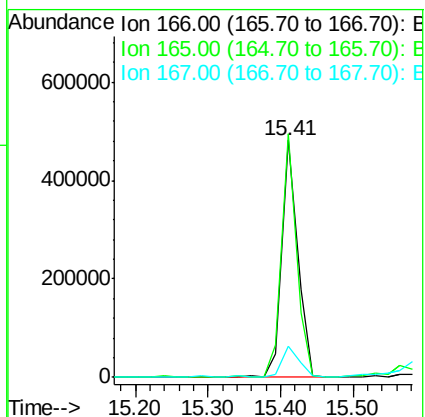
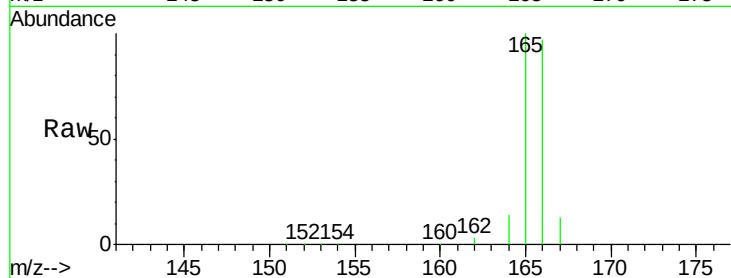
Tgt Ion:166 Resp: 734909

Ion Ratio Lower Upper

166 100

165 102.7 69.6 104.4

167 13.0 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. 0.15 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

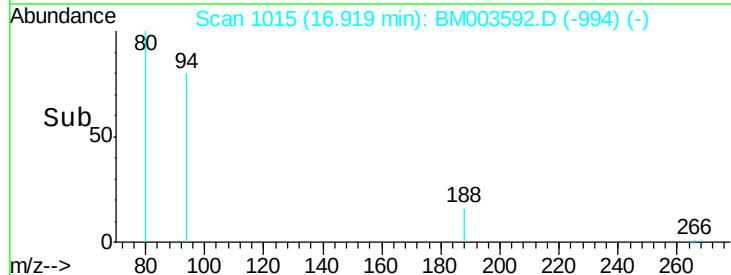
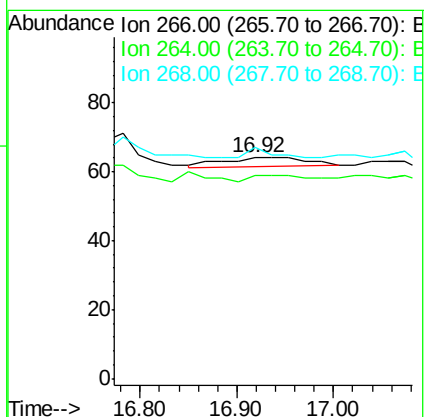
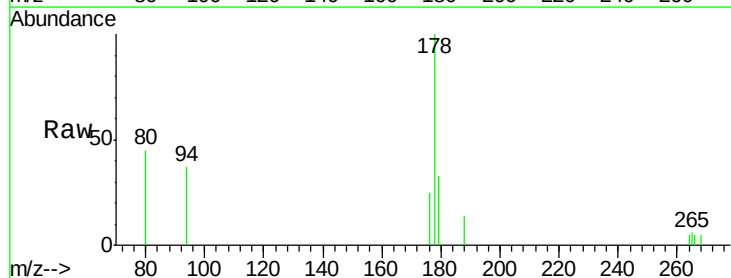
Tgt Ion:266 Resp: 16

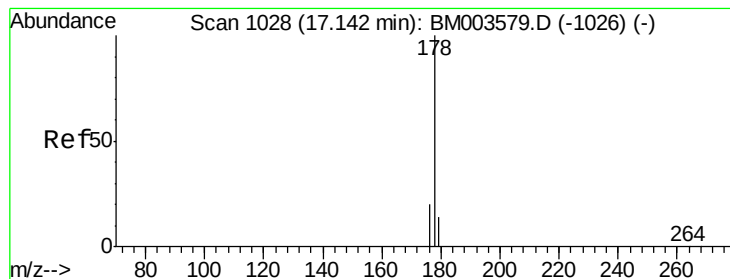
Ion Ratio Lower Upper

266 100

264 50.0 51.8 77.8#

268 31.3 46.8 70.2#

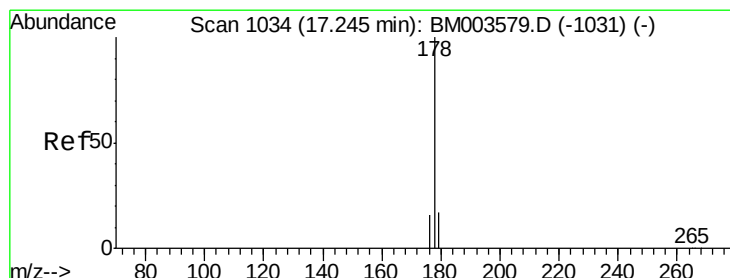
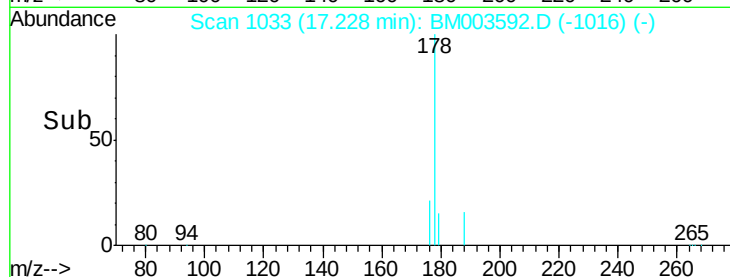
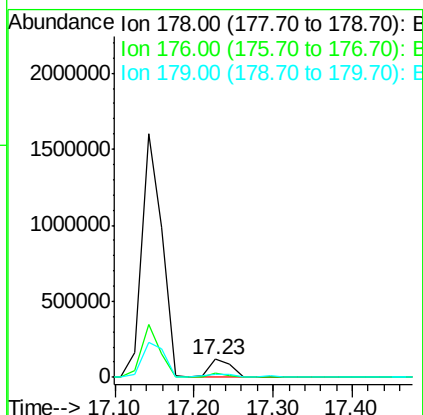
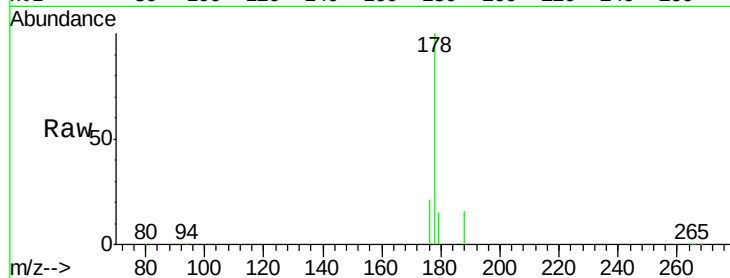




#14
Phenanthrene
Concen: 0.12 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. 0.09 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

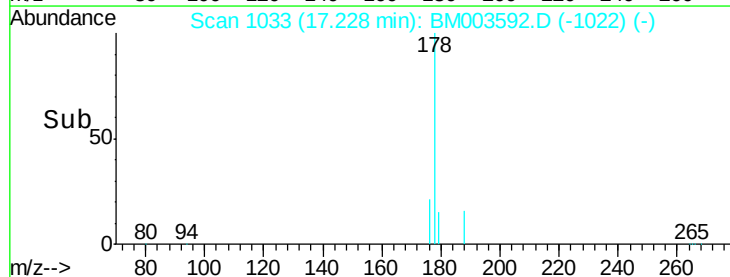
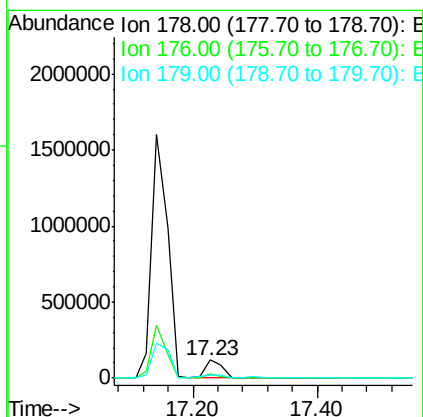
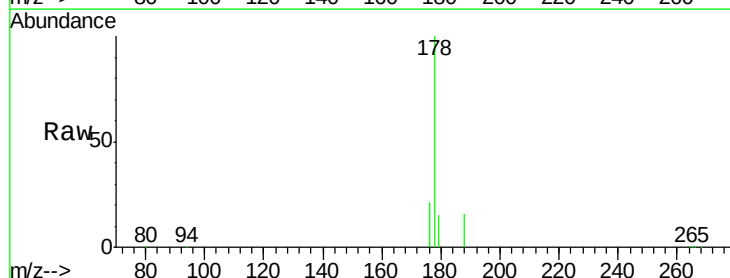
Instrument :
BNA_M
ClientSampleId :
D9N38

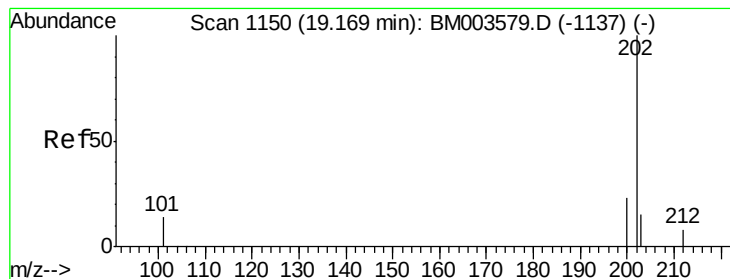
Tgt Ion:178 Resp: 228706
Ion Ratio Lower Upper
178 100
176 21.3 13.0 19.4#
179 14.7 14.2 21.2



#15
Anthracene
Concen: 0.15 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BM003592.D
Acq: 16 Dec 2015 23:55

Tgt Ion:178 Resp: 231925
Ion Ratio Lower Upper
178 100
176 21.3 14.0 21.0#
179 14.7 12.9 19.3





#17

Fluoranthene

Concen: 0.78 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

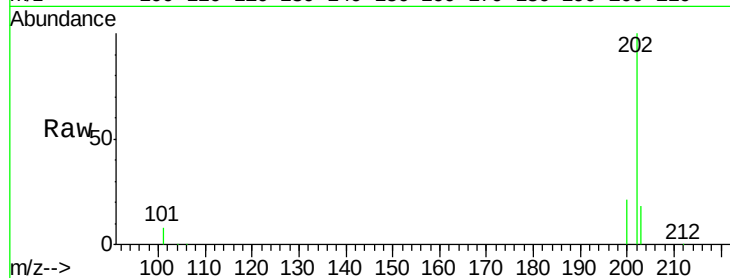
Tgt Ion:202 Resp: 1553921

Ion Ratio Lower Upper

202 100

101 8.4 0.0 29.6

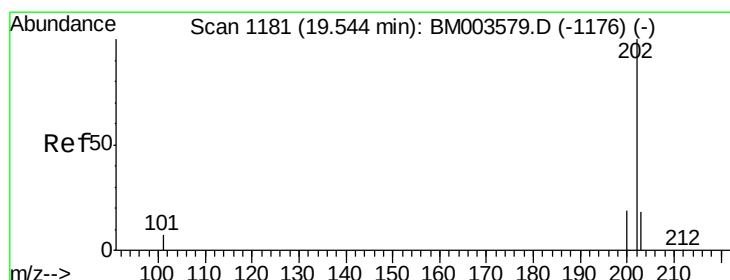
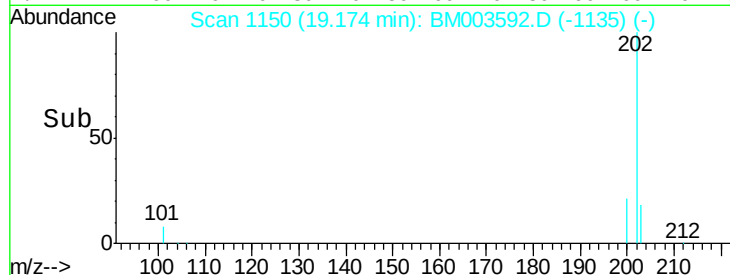
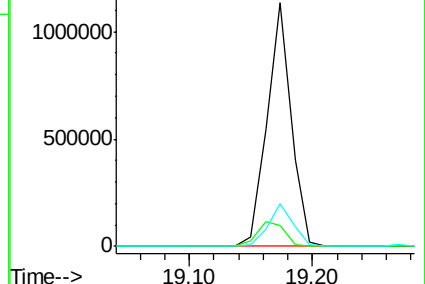
203 17.7 0.0 36.3



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: 31.22 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

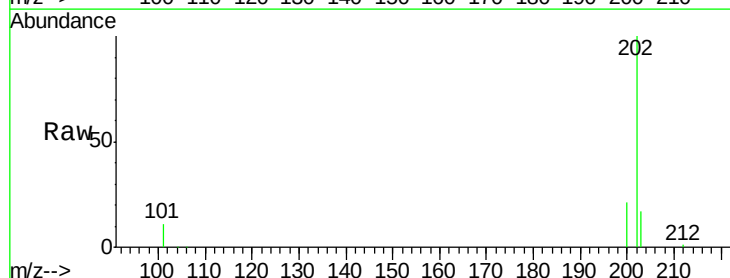
Tgt Ion:202 Resp: 1071022

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.8

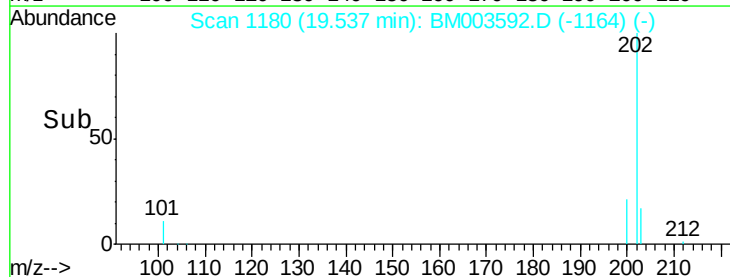
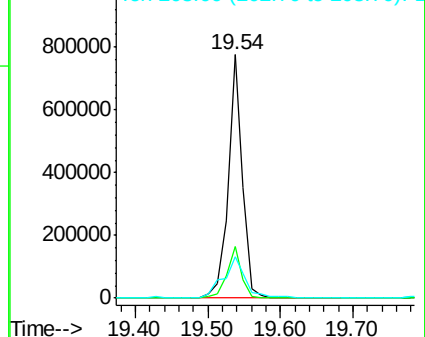
203 17.2 12.8 19.2

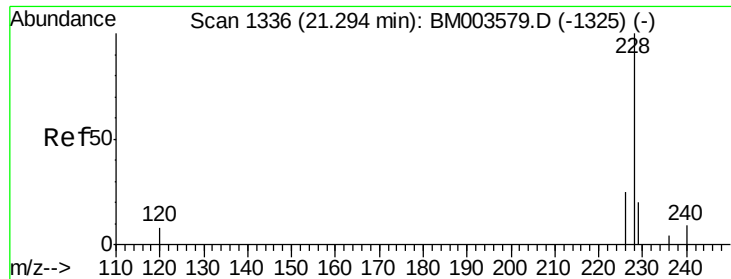


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 7.16 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

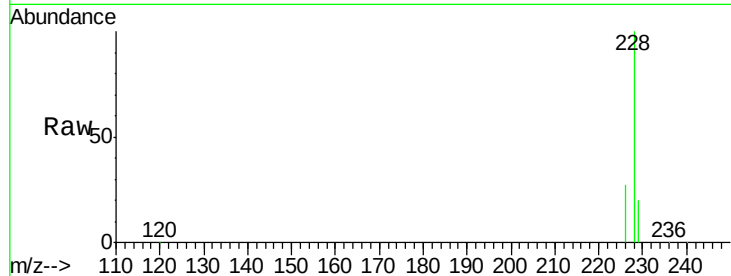
Tgt Ion:228 Resp: 222085

Ion Ratio Lower Upper

228 100

226 27.2 18.8 28.2

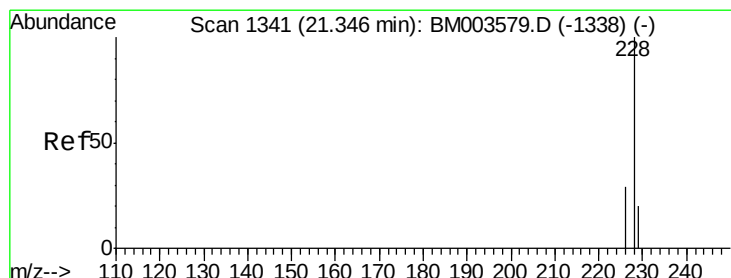
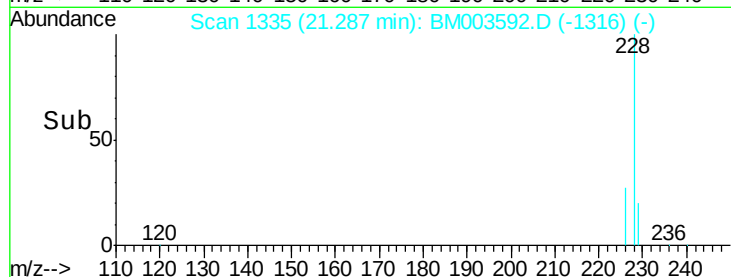
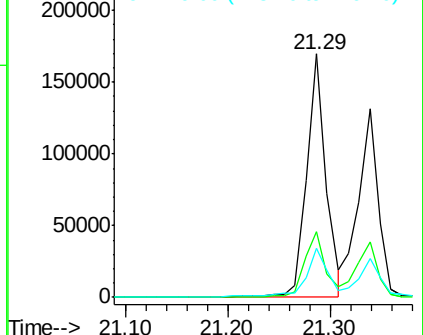
229 20.0 17.1 25.7



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: 4.98 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

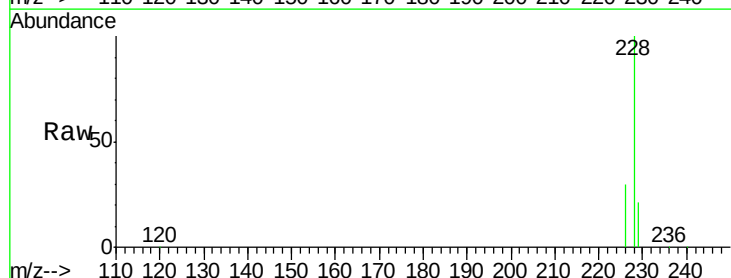
Tgt Ion:228 Resp: 177029

Ion Ratio Lower Upper

228 100

226 29.6 21.2 31.8

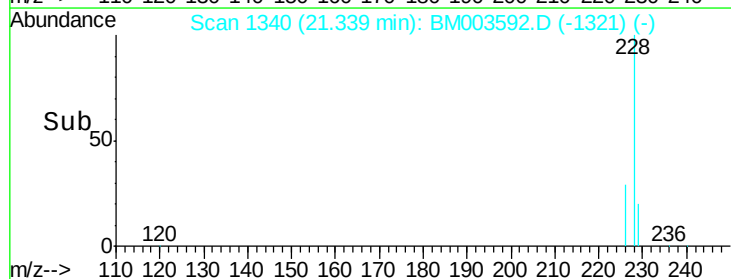
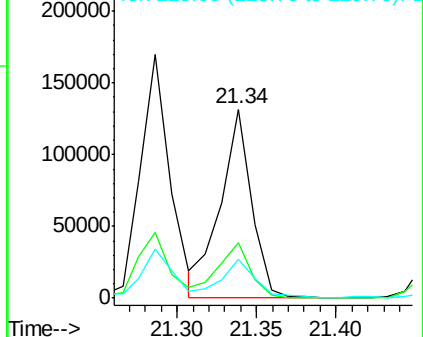
229 20.7 17.0 25.6

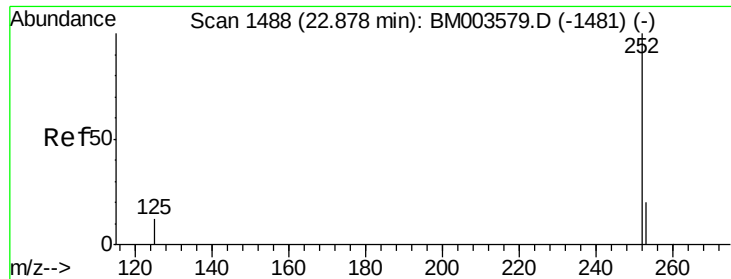


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.03 ng/uI

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

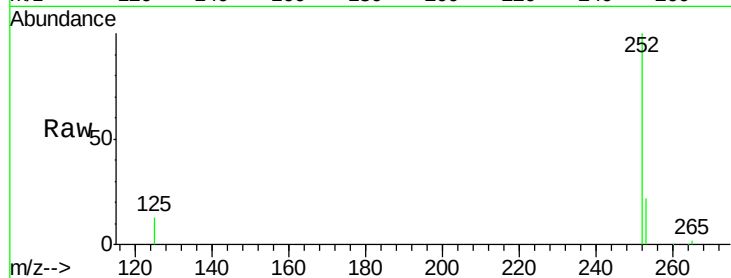
Tgt Ion:252 Resp: 72222

Ion Ratio Lower Upper

252 100

253 22.0 0.0 45.4

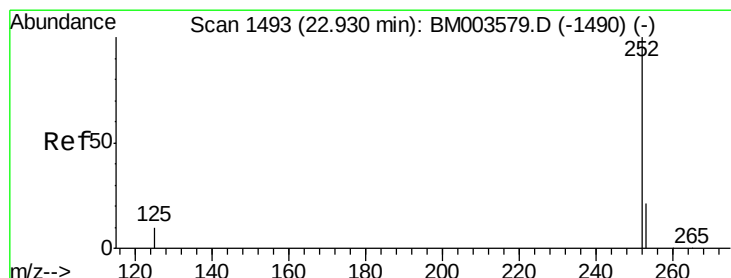
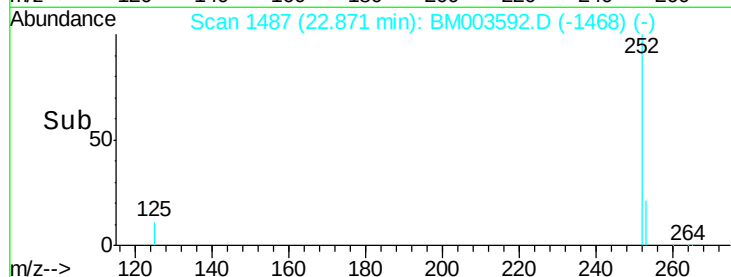
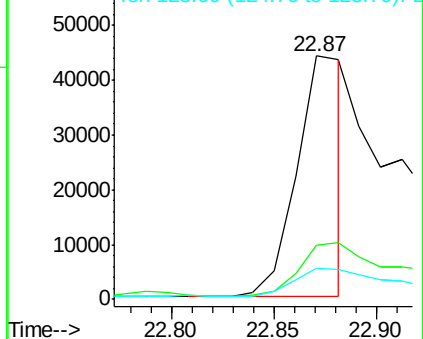
125 12.8 0.0 28.8



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: 0.07 ng/uI

RT: 22.87 min Scan# 1487

Delta R.T. -0.06 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

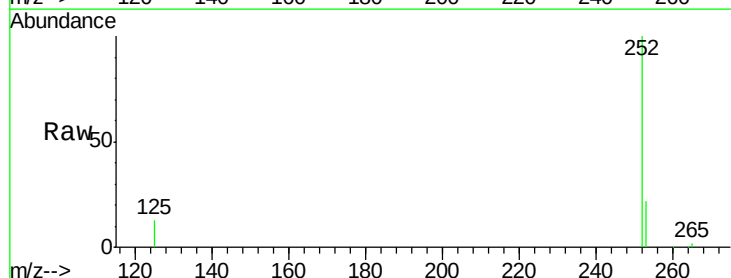
Tgt Ion:252 Resp: 139443

Ion Ratio Lower Upper

252 100

253 22.0 19.8 29.8

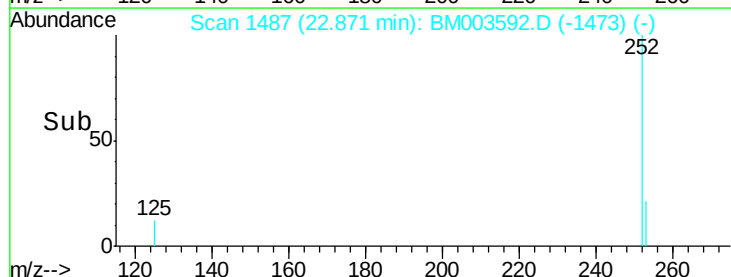
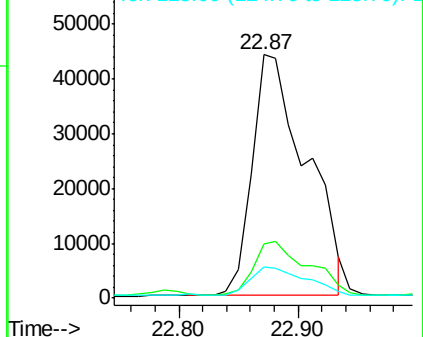
125 12.8 10.4 15.6

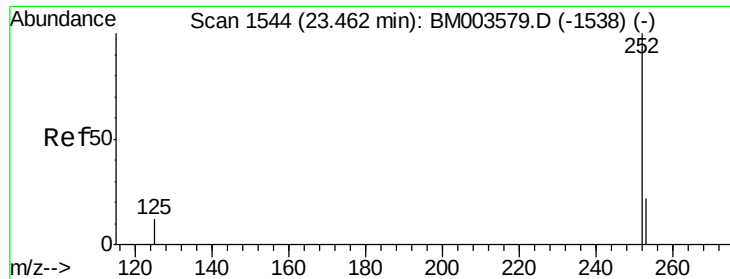


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. -0.10 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38

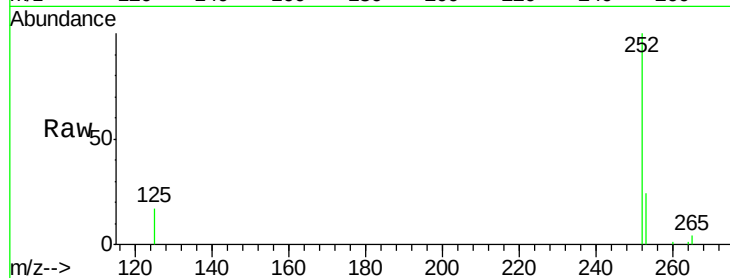
Tgt Ion:252 Resp: 39534

Ion Ratio Lower Upper

252 100

253 24.5 19.4 29.2

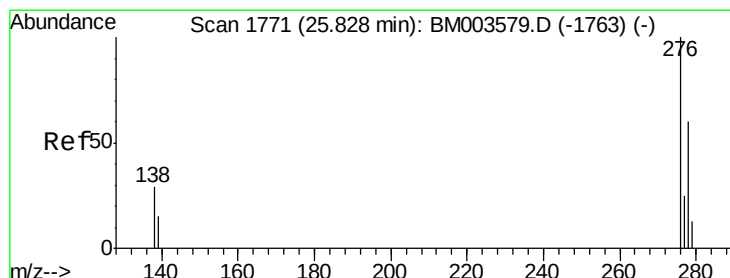
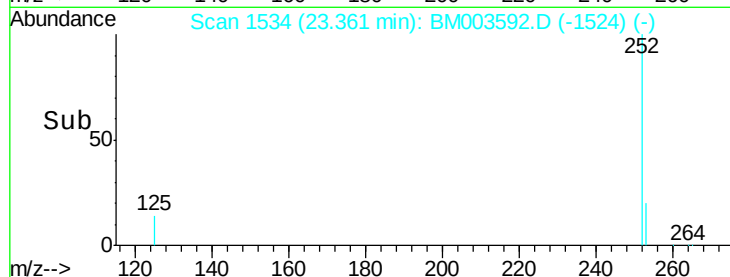
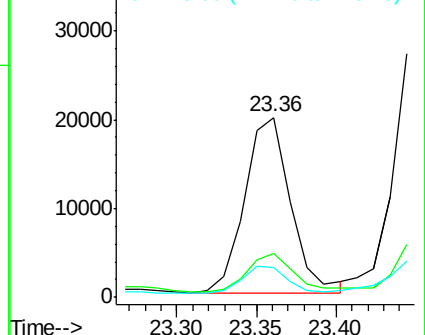
125 16.7 12.7 19.1



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. -0.26 min

Lab File: BM003592.D

Acq: 16 Dec 2015 23:55

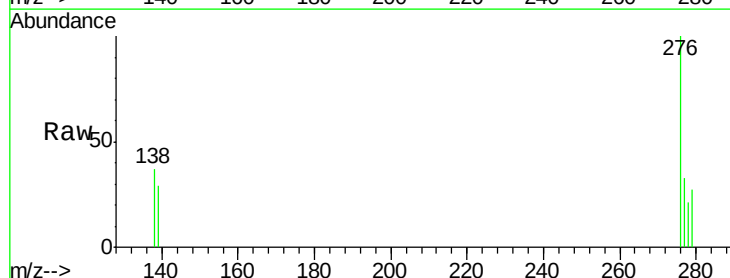
Tgt Ion:276 Resp: 4529

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

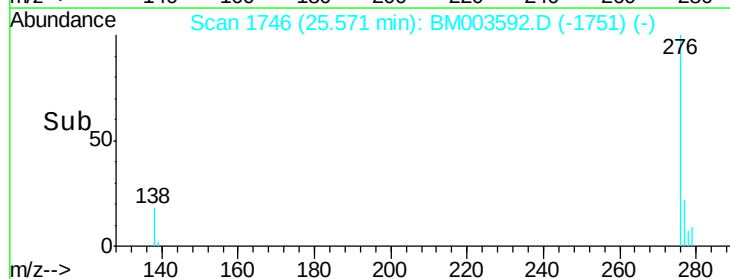
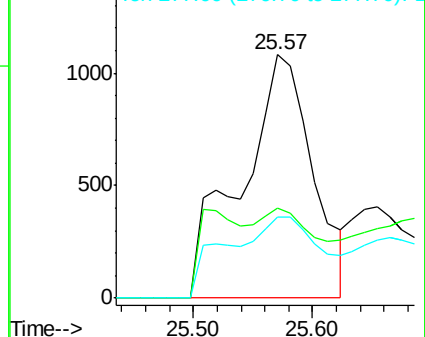
277 21.3 19.8 29.8

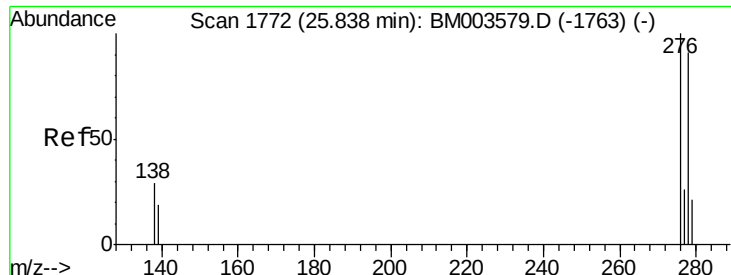


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.73 min Scan# 1761

Delta R.T. -0.11 min

Lab File: BM003592.D

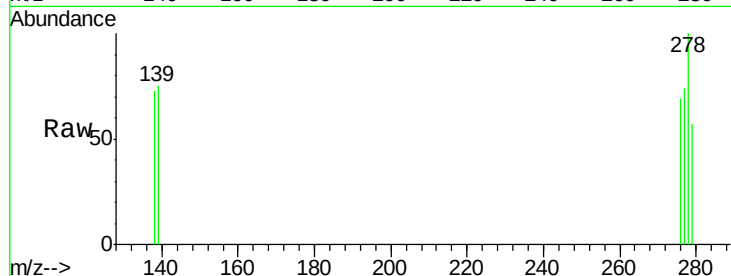
Acq: 16 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

D9N38



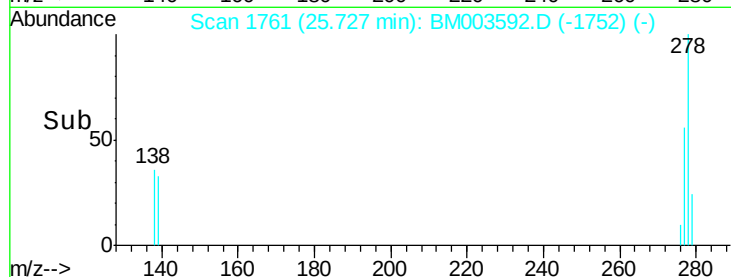
Tgt Ion: 278 Resp: 1485

Ion Ratio Lower Upper

278 100

139 75.0 16.4 24.6#

279 56.5 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

