

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003602.D
 Acq On : 17 Dec 2015 16:53
 Operator : UM/IZ
 Sample : G4767-08DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N30DL

Quant Time: Dec 18 00:45:50 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 00:41:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2273	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	8805	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	5020	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	117391	0.40	ng/ul	0.09
18) Chrysene-d12	21.30	240	9898	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	9667	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	2260	2.33	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	712	0.07	ng/ul	0.00
16) Fluoranthene-d10	19.27	212	42	0.00	ng/ul	0.13

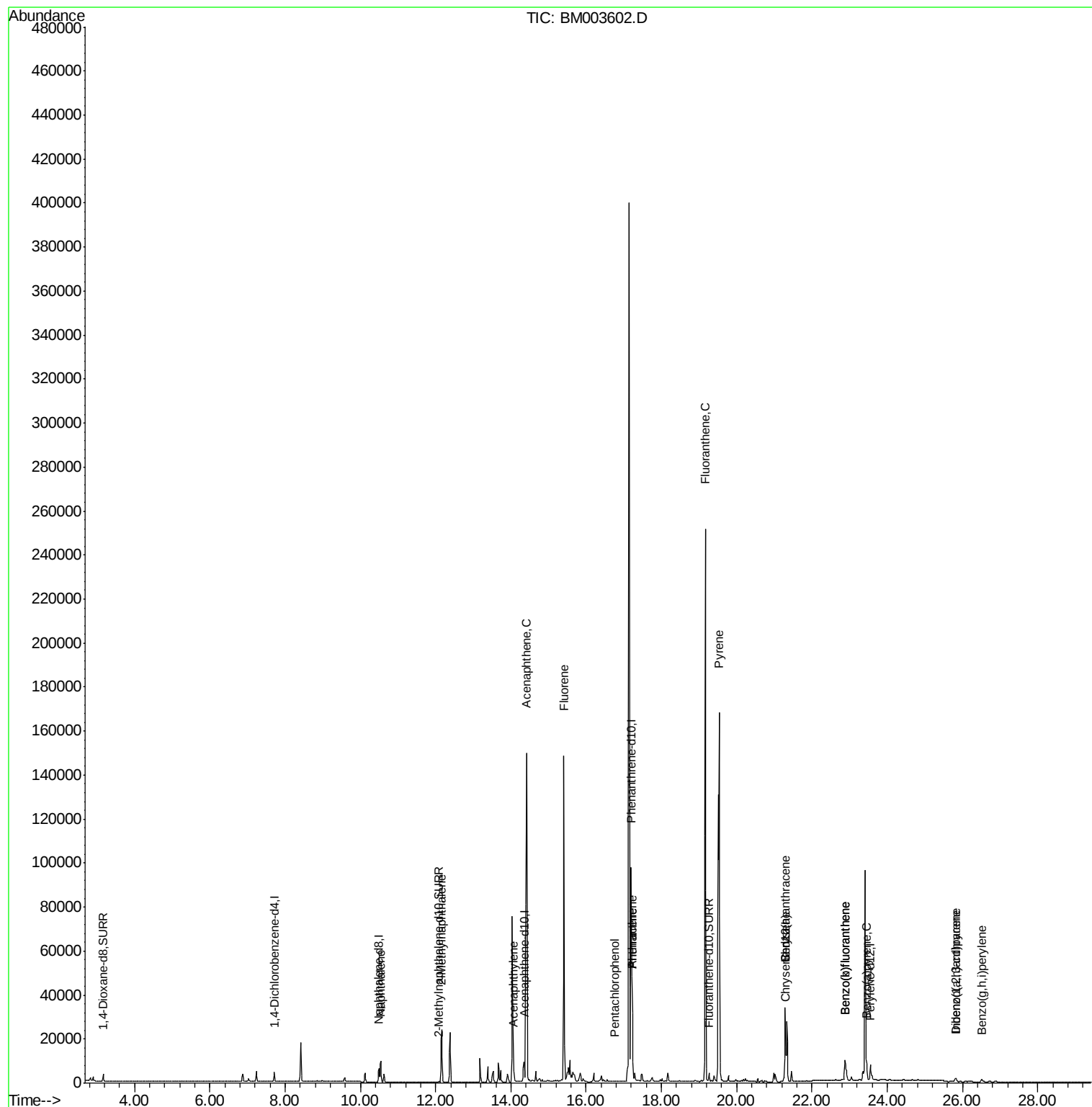
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	14305	0.72	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	17991	1.35	ng/ul	99
9) Acenaphthylene	14.07	152	5095	0.27	ng/ul#	88
10) Acenaphthene	14.42	153	99387	6.43	ng/ul	96
11) Fluorene	15.41	166	96303	5.62	ng/ul	94
13) Pentachlorophenol	16.76	266	25	0.00	ng/ul#	77
14) Phenanthrene	17.23	178	34750	0.11	ng/ul	95
15) Anthracene	17.23	178	35487	0.14	ng/ul	98
17) Fluoranthene	19.17	202	227865	0.69	ng/ul	97
19) Pyrene	19.53	202	155294	5.81	ng/ul	98
20) Benzo(a)anthracene	21.28	228	33141	1.37	ng/ul#	92
21) Chrysene	21.28	228	33141	1.20	ng/ul	95
23) Benzo(b)fluoranthene	22.88	252	20679	0.63	ng/ul	96
24) Benzo(k)fluoranthene	22.88	252	20679	0.69	ng/ul	97
25) Benzo(a)pyrene	23.45	252	8885	0.32	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.82	276	2704	0.08	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.83	278	799	0.03	ng/ul#	19
28) Benzo(g,h,i)perylene	26.52	276	2307	0.08	ng/ul#	84

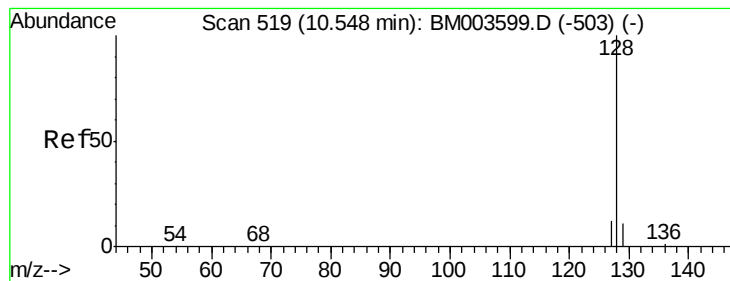
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9N30DL

Quant Time: Dec 18 00:45:50 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 00:41:46 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.72 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

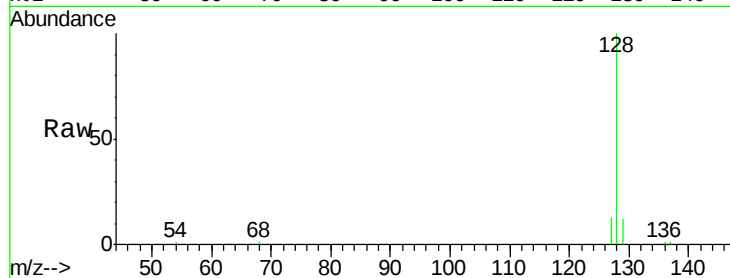
Tgt Ion:128 Resp: 14305

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

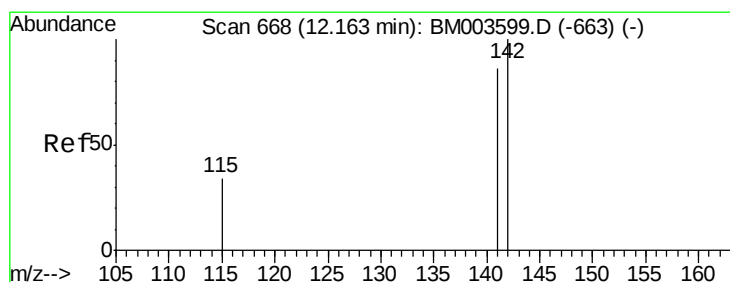
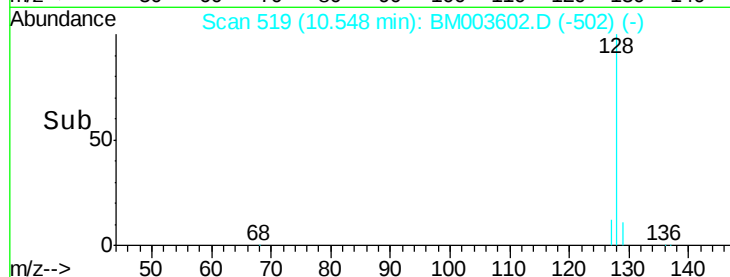
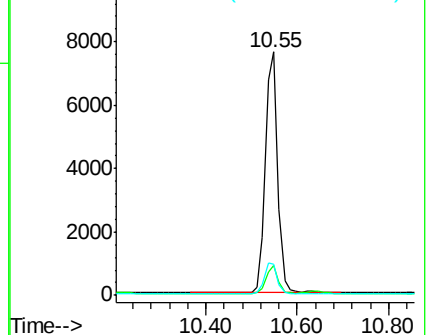
127 12.6 9.6 14.4



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: 1.35 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM003602.D

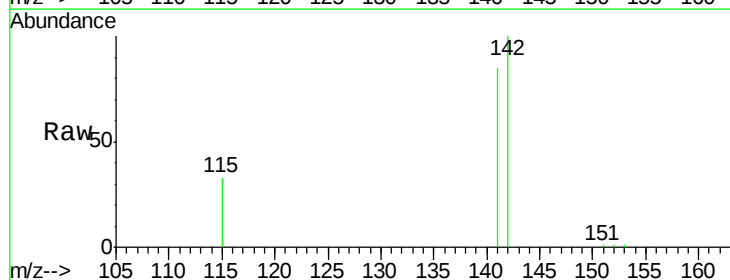
Acq: 17 Dec 2015 16:53

Tgt Ion:142 Resp: 17991

Ion Ratio Lower Upper

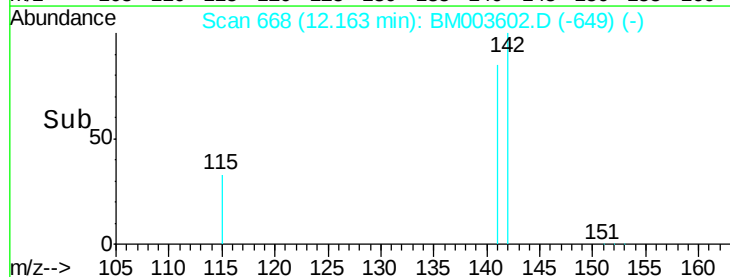
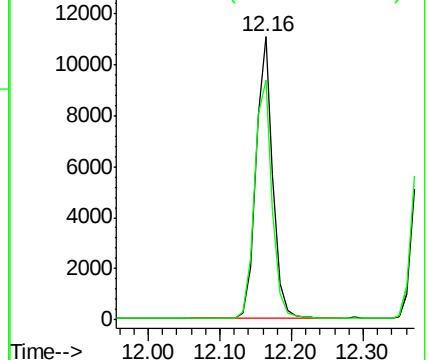
142 100

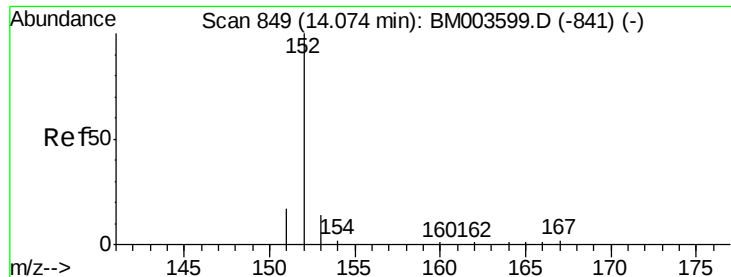
141 89.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.27 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

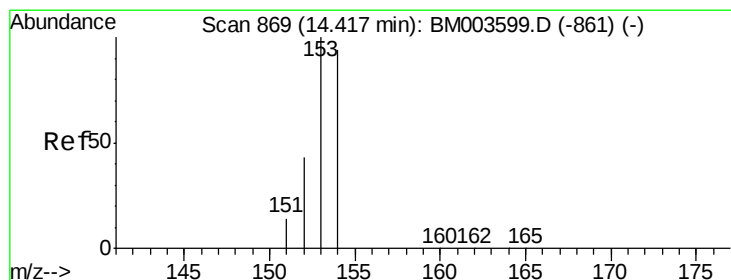
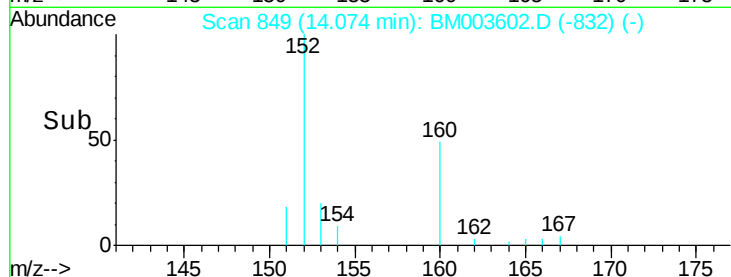
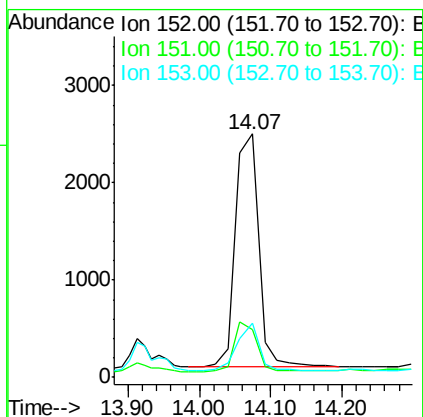
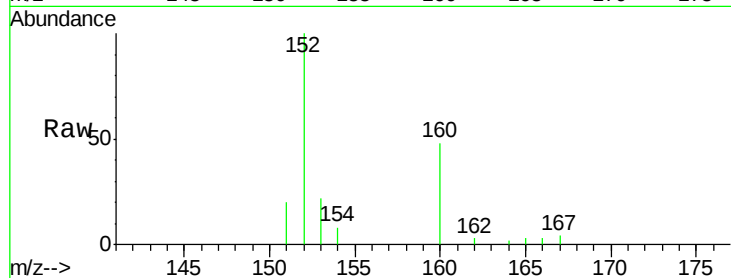
Tgt Ion:152 Resp: 5095

Ion Ratio Lower Upper

152 100

151 19.8 17.6 26.4

153 22.1 9.7 14.5#



#10

Acenaphthene

Concen: 6.43 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

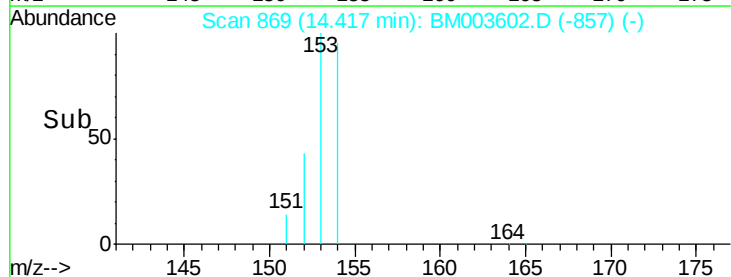
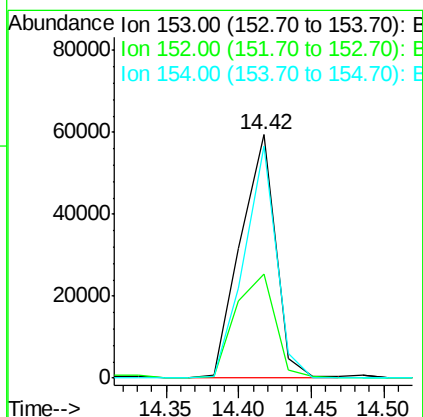
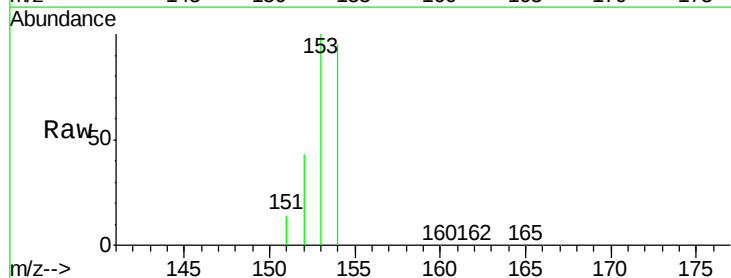
Tgt Ion:153 Resp: 99387

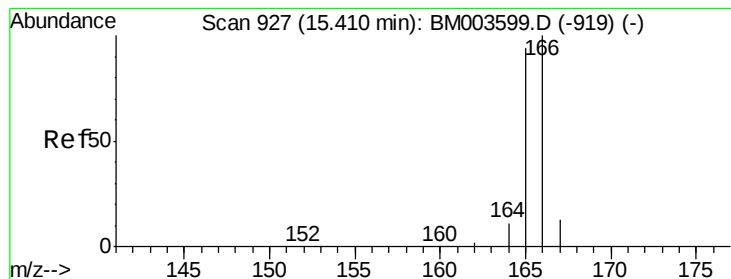
Ion Ratio Lower Upper

153 100

152 42.9 33.9 50.9

154 95.2 80.6 121.0





#11

Fluorene

Concen: 5.62 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

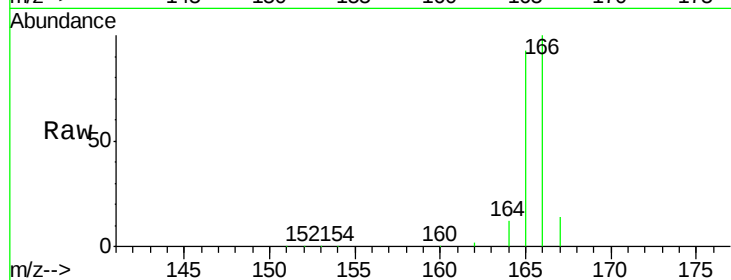
Tgt Ion:166 Resp: 96303

Ion Ratio Lower Upper

166 100

165 93.4 69.6 104.4

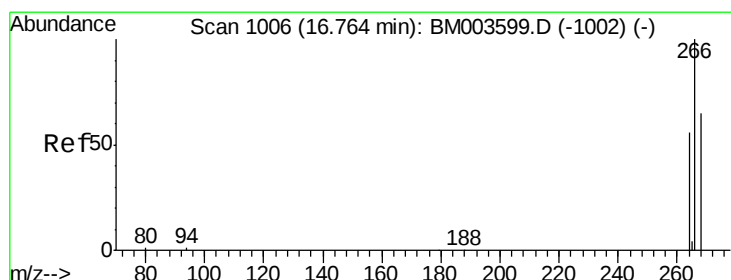
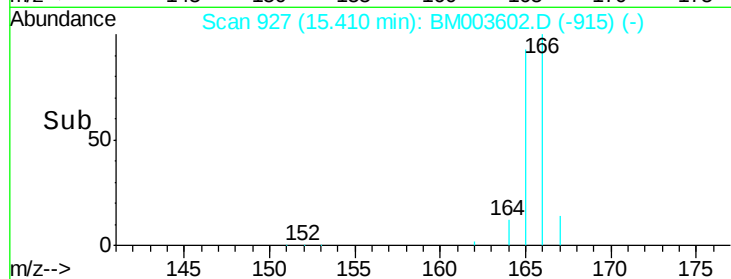
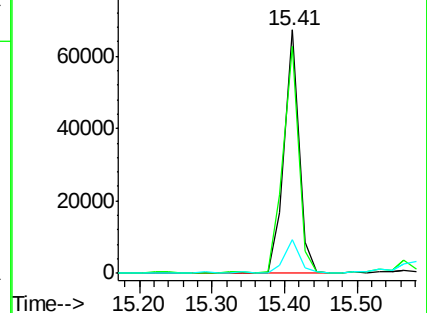
167 13.9 11.9 17.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

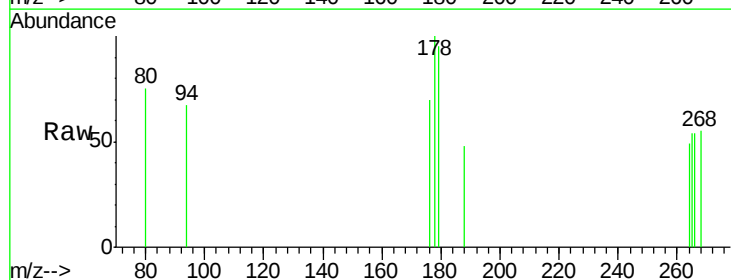
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 40.0 51.8 77.8#

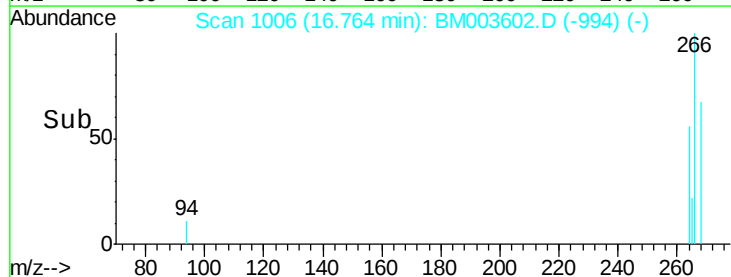
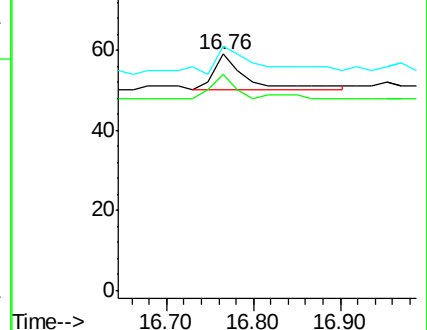
268 68.0 46.8 70.2

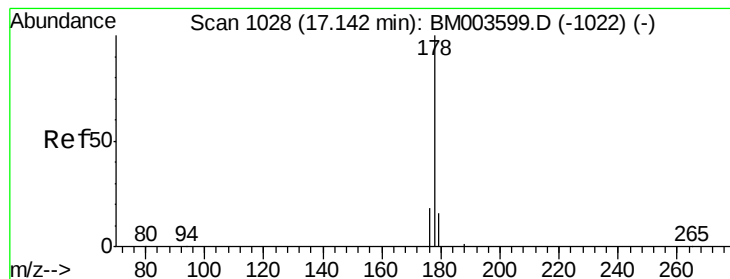


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

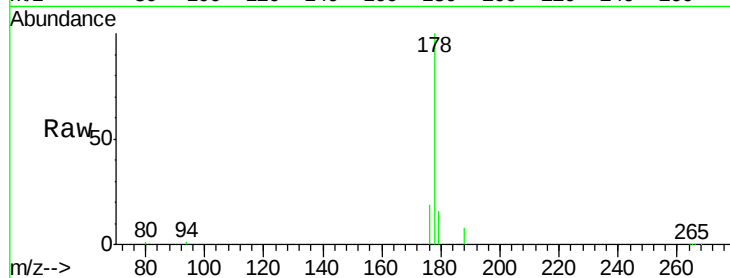
Tgt Ion:178 Resp: 34750

Ion Ratio Lower Upper

178 100

176 19.2 13.0 19.4

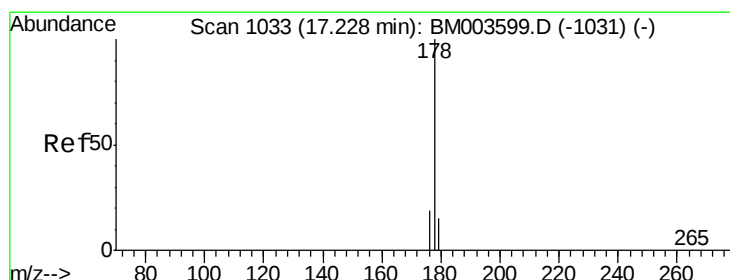
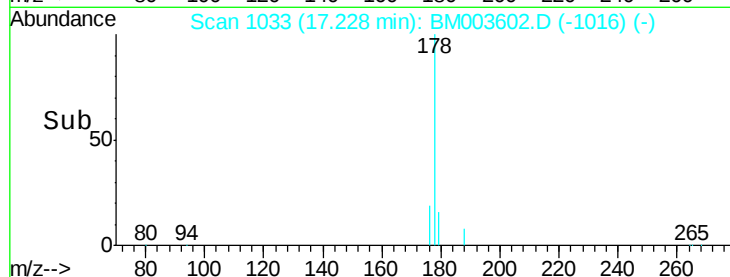
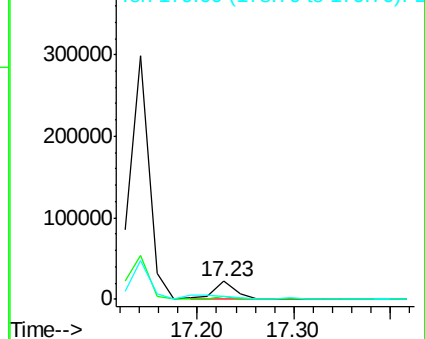
179 16.5 14.2 21.2



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: 0.14 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

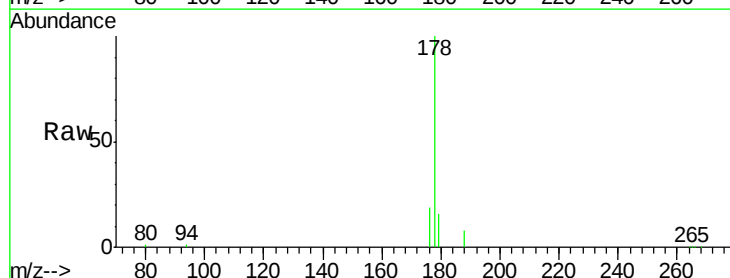
Tgt Ion:178 Resp: 35487

Ion Ratio Lower Upper

178 100

176 19.2 14.0 21.0

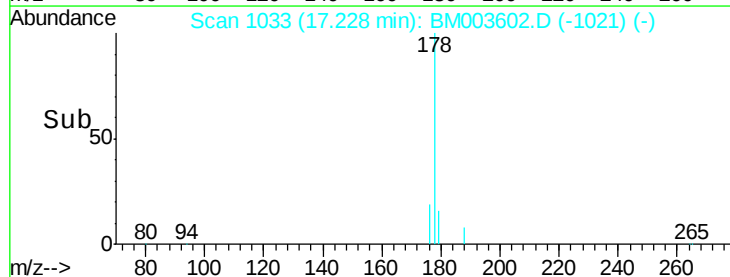
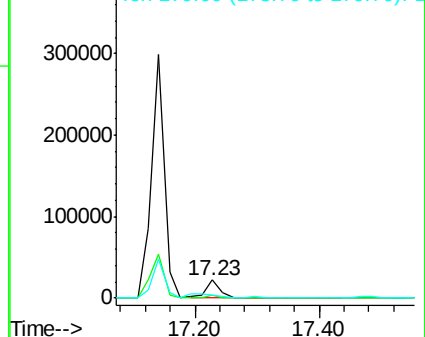
179 16.5 12.9 19.3

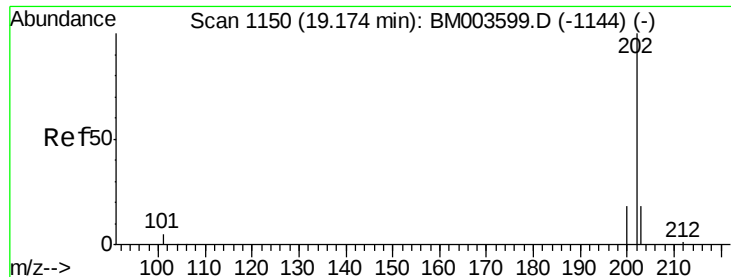


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

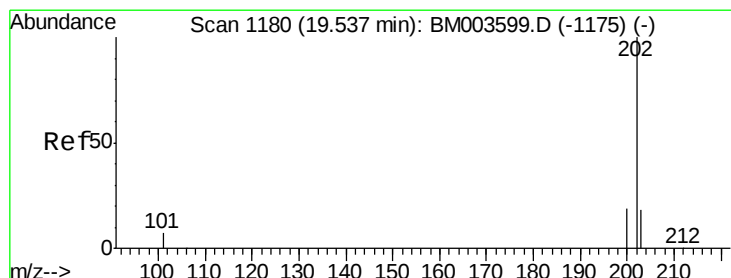
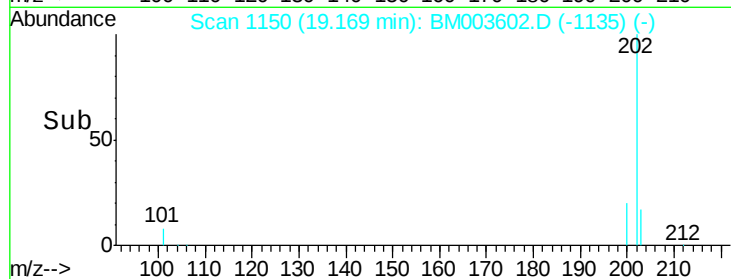
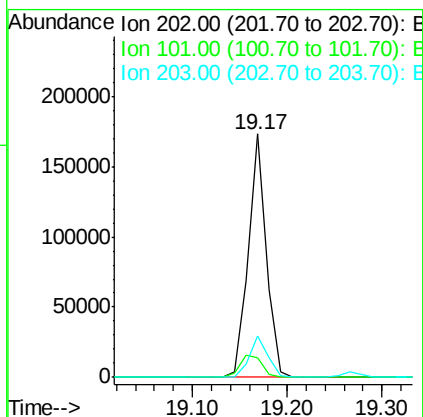
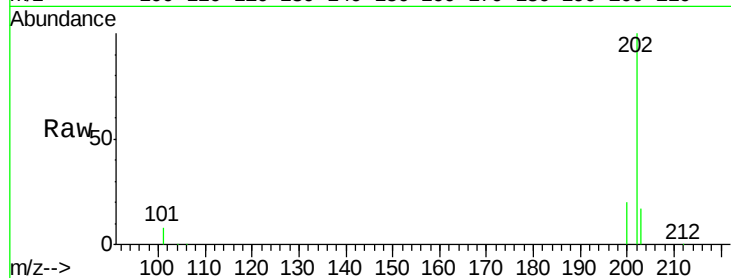




#17
Fluoranthene
 Concen: 0.69 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BM003602.D
 Acq: 17 Dec 2015 16:53

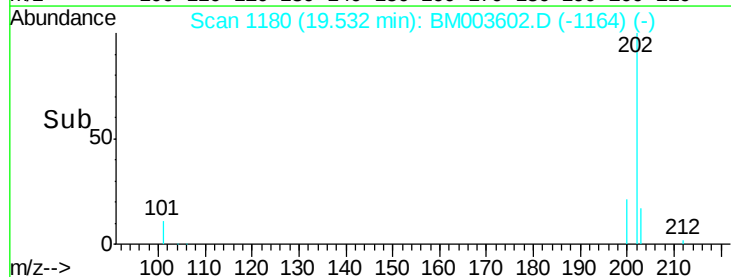
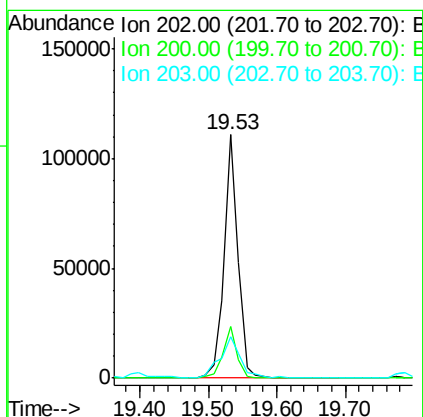
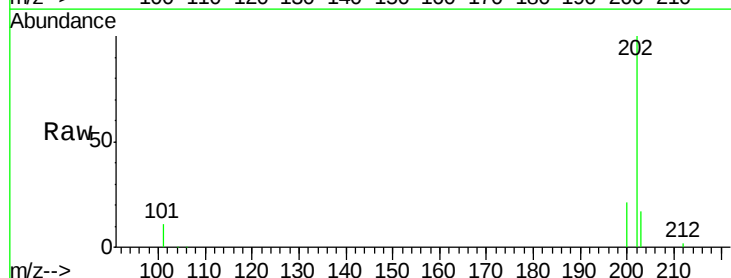
Instrument :
 BNA_M
 ClientSampleId :
 D9N30DL

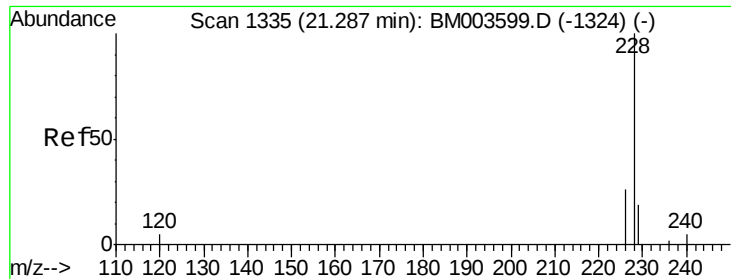
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	29.6
203	17.1	0.0	36.3



#19
Pyrene
 Concen: 5.81 ng/ul
 RT: 19.53 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BM003602.D
 Acq: 17 Dec 2015 16:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.8
203	16.9	12.8	19.2





#20

Benzo(a)anthracene

Concen: 1.37 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

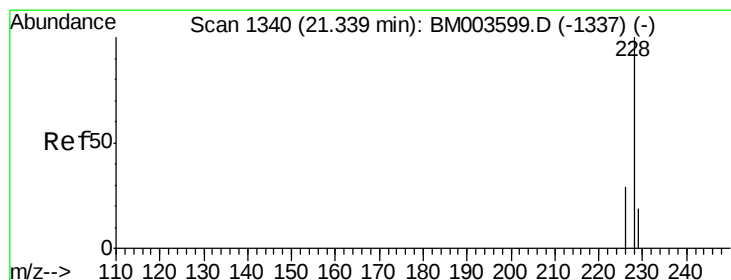
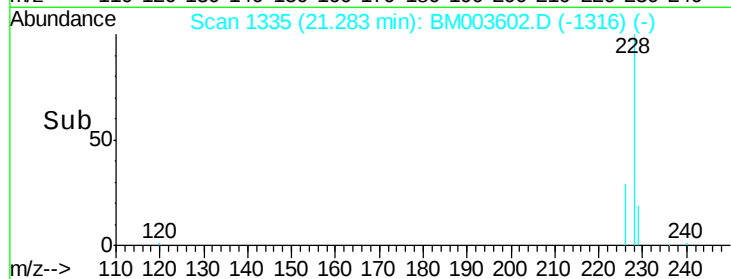
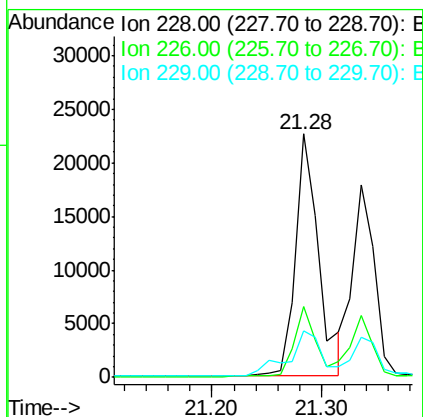
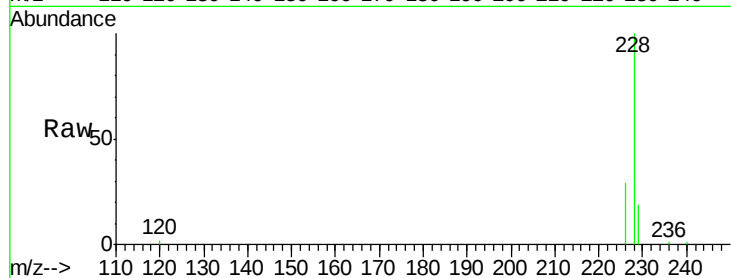
Tgt Ion:228 Resp: 33141

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

229 19.4 17.1 25.7



#21

Chrysene

Concen: 1.20 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

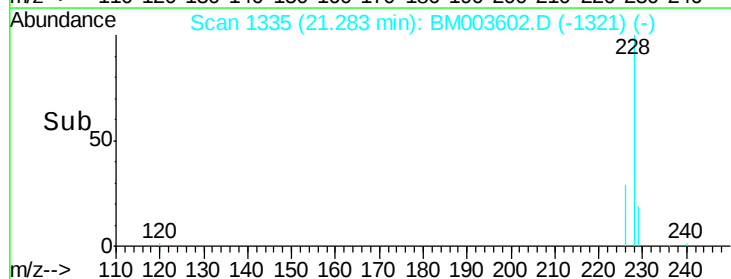
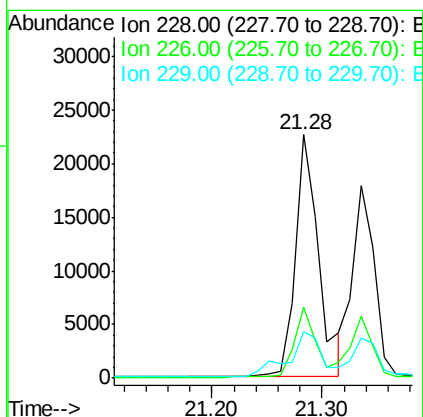
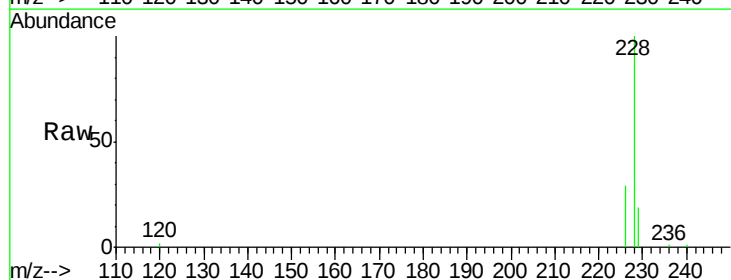
Tgt Ion:228 Resp: 33141

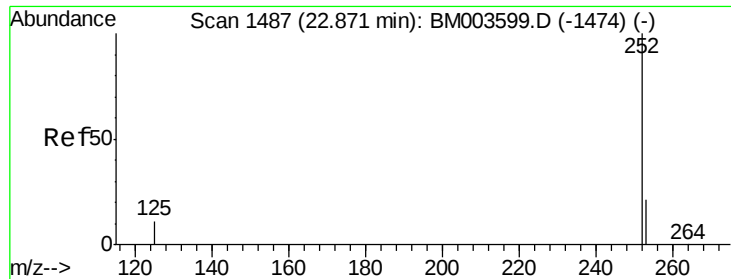
Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

229 19.4 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.63 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

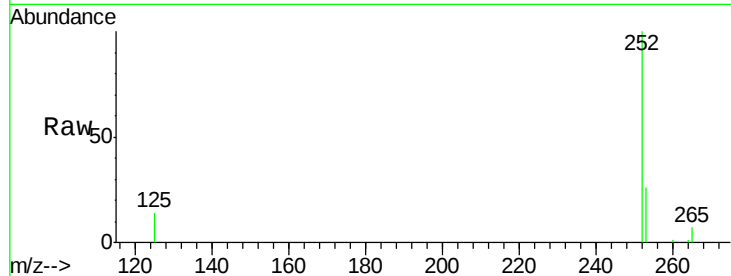
Tgt Ion:252 Resp: 20679

Ion Ratio Lower Upper

252 100

253 25.9 0.0 45.4

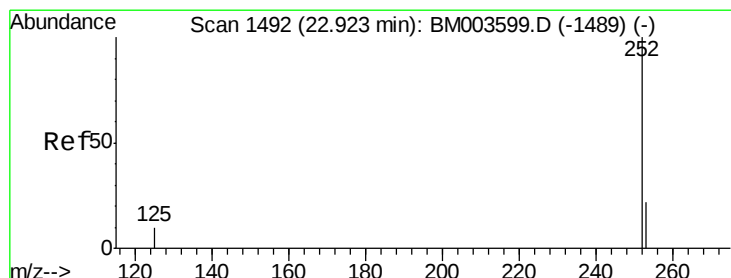
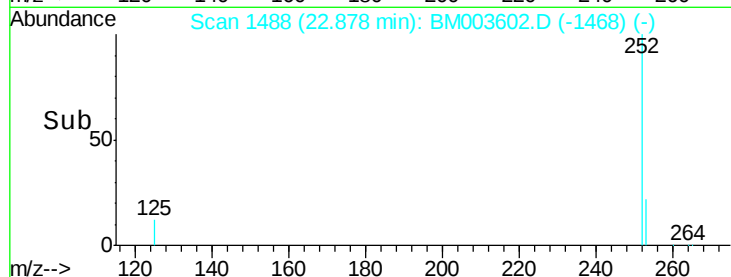
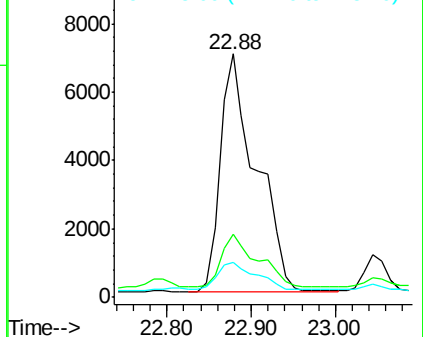
125 14.4 0.0 28.8



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: 0.69 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

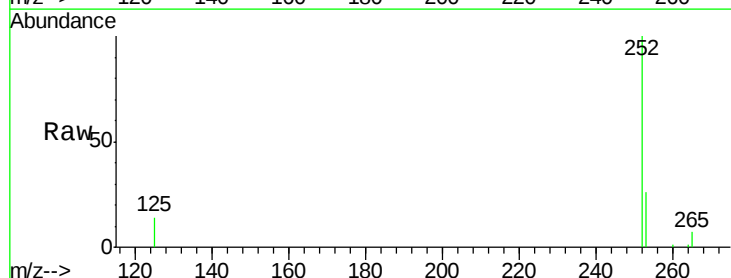
Tgt Ion:252 Resp: 20679

Ion Ratio Lower Upper

252 100

253 25.9 19.8 29.8

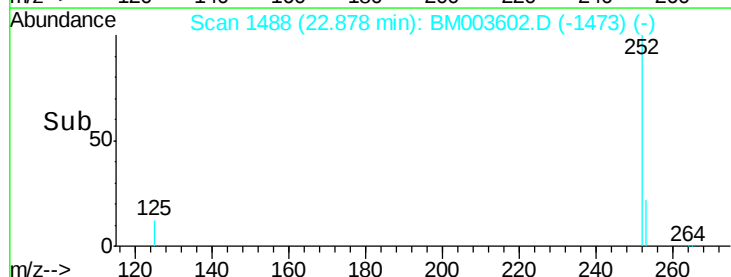
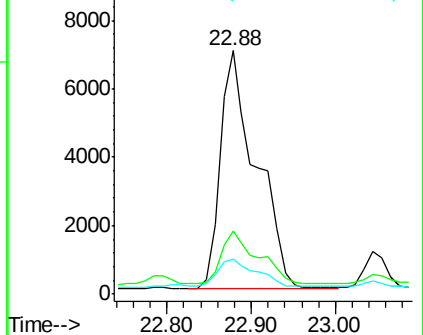
125 14.4 10.4 15.6

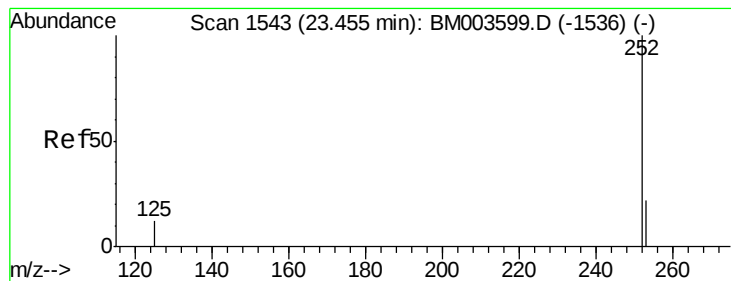


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.32 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

Instrument :

BNA_M

ClientSampleId :

D9N30DL

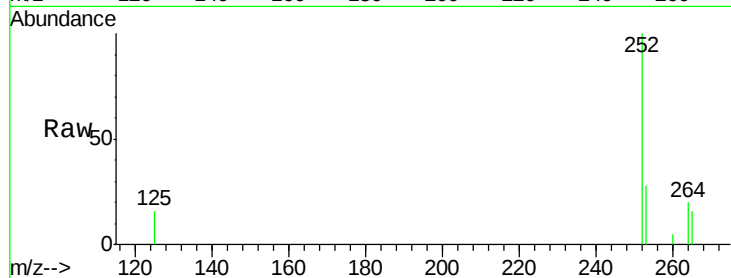
Tgt Ion: 252 Resp: 8885

Ion Ratio Lower Upper

252 100

253 27.6 19.4 29.2

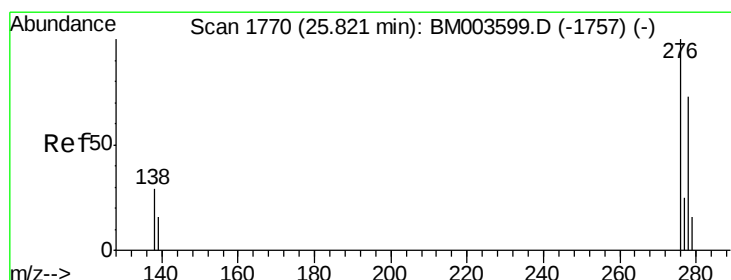
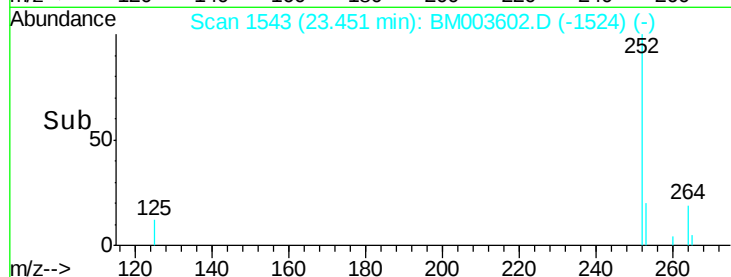
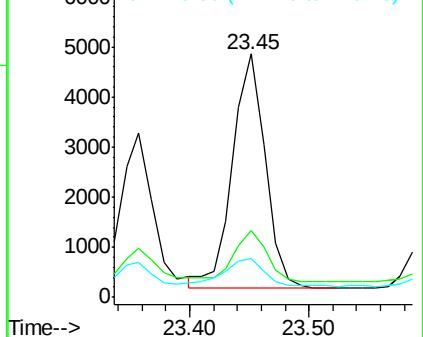
125 15.8 12.7 19.1



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: 0.08 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM003602.D

Acq: 17 Dec 2015 16:53

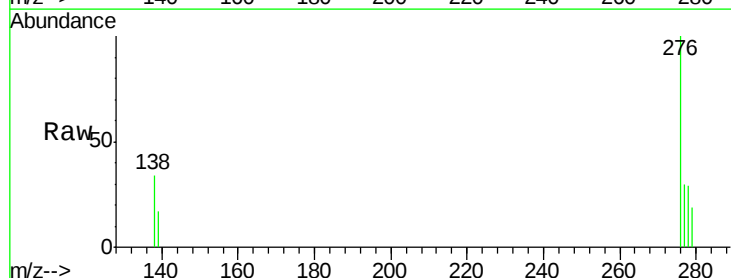
Tgt Ion: 276 Resp: 2704

Ion Ratio Lower Upper

276 100

138 24.7 16.3 24.5#

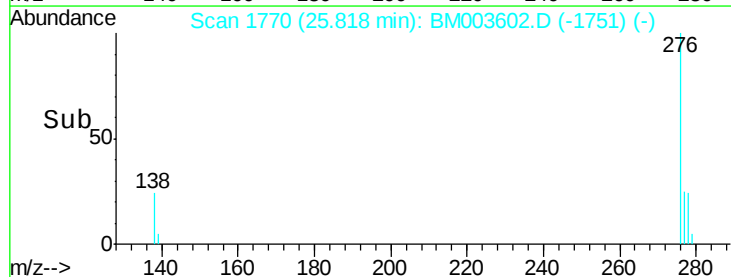
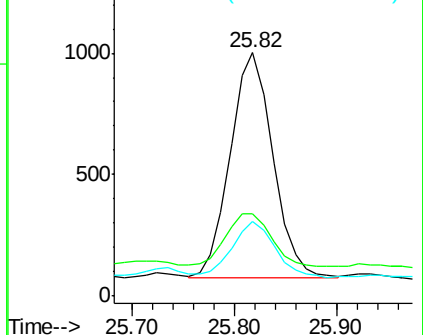
277 23.9 19.8 29.8

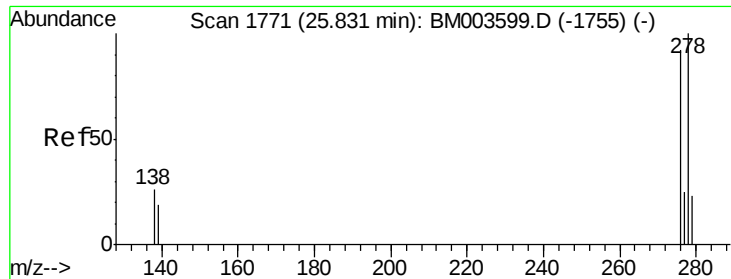


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

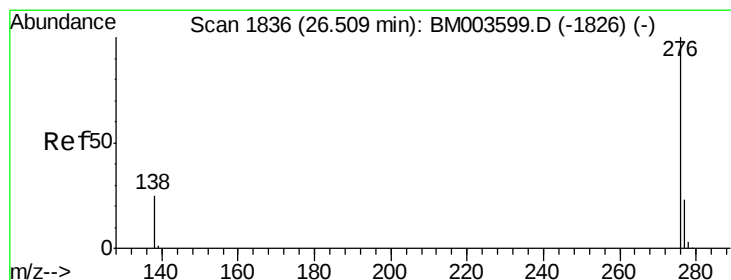
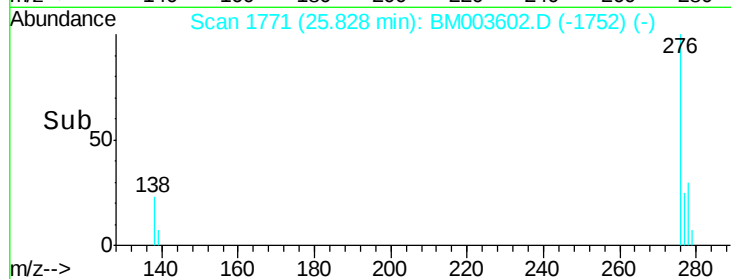
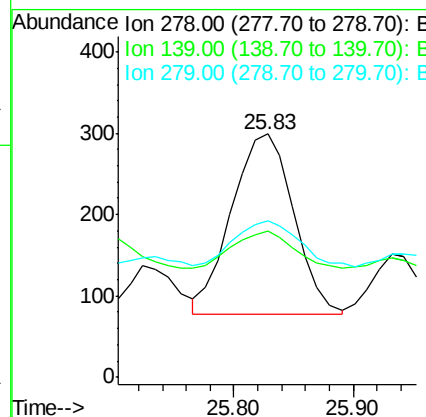
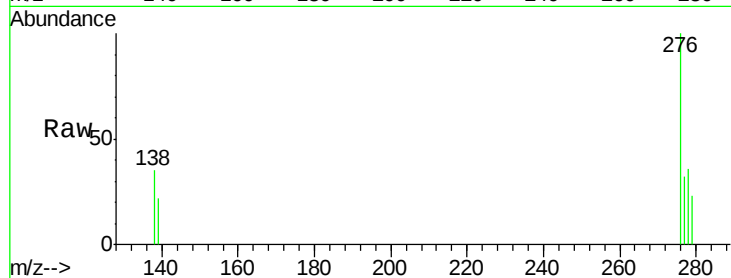




#27
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.00 min
Lab File: BM003602.D
Acq: 17 Dec 2015 16:53

Instrument :
BNA_M
ClientSampleId :
D9N30DL

Tgt Ion: 278 Resp: 799
Ion Ratio Lower Upper
278 100
139 60.2 16.4 24.6#
279 64.2 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BM003602.D
Acq: 17 Dec 2015 16:53

Tgt Ion: 276 Resp: 2307
Ion Ratio Lower Upper
276 100
277 30.8 18.9 28.3#
138 37.2 22.5 33.7#

