

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042417\
 Data File : BM009695.D
 Acq On : 24 Apr 2017 18:05
 Operator : SJ/MA
 Sample : I2779-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2934

Quant Time: Apr 25 11:05:10 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM042417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 24 15:43:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	111	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	394	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	262	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	664	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	840	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	879	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	180	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	640	0.33	ng/ul	0.00

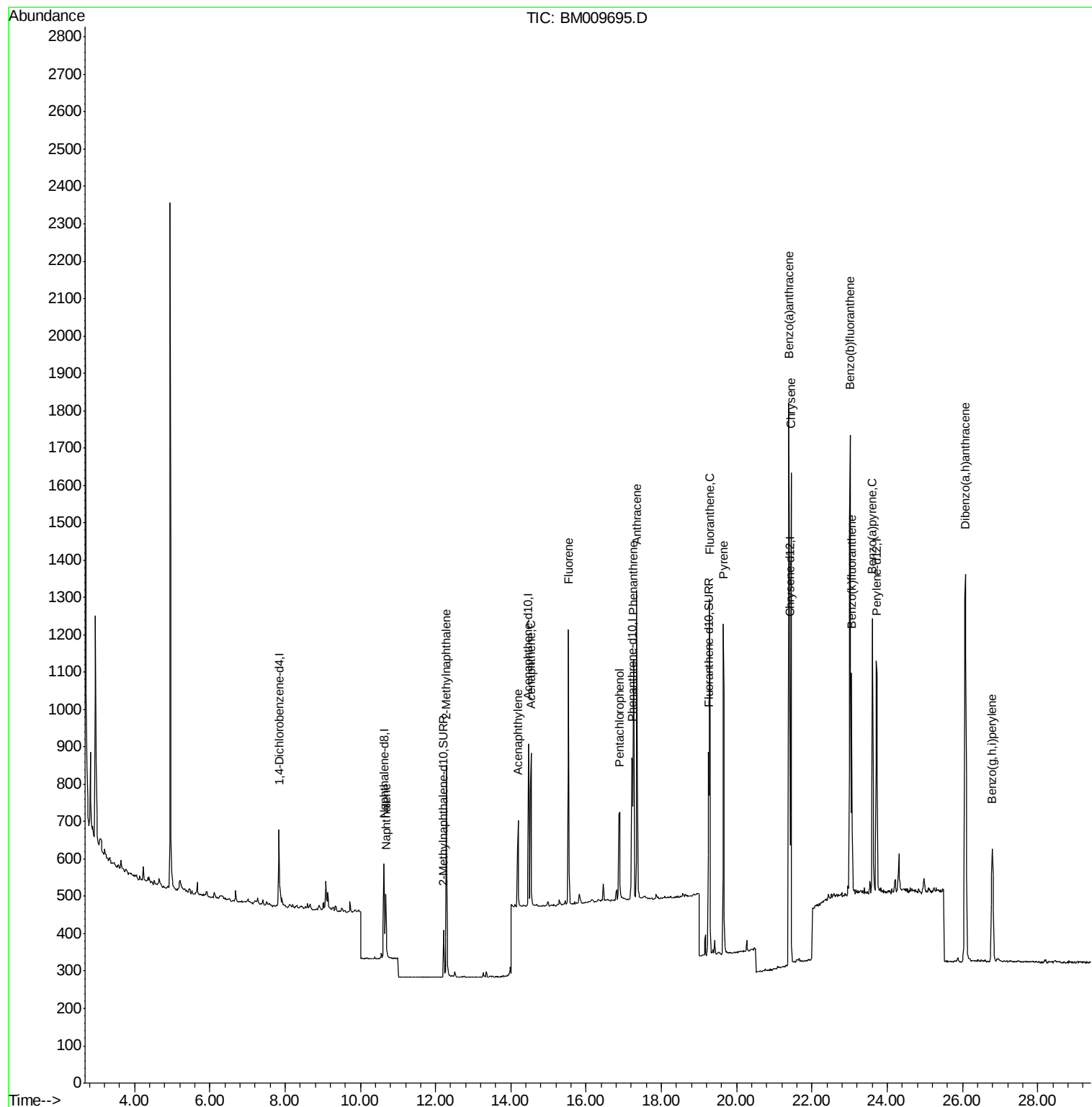
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	271	0.26	ng/ul#	53
5) 2-Methylnaphthalene	12.29	142	392	0.51	ng/ul	98
7) Acenaphthylene	14.19	152	337	0.26	ng/ul#	67
8) Acenaphthene	14.54	153	313	0.31	ng/ul	91
9) Fluorene	15.53	166	543	0.45	ng/ul#	96
11) Pentachlorophenol	16.88	266	239	0.93	ng/ul	94
12) Phenanthrene	17.26	178	727	0.37	ng/ul#	89
13) Anthracene	17.35	178	989	0.50	ng/ul	94
15) Fluoranthene	19.28	202	969	0.37	ng/ul	94
17) Pyrene	19.64	202	953	0.34	ng/ul#	90
18) Benzo(a)anthracene	21.39	228	1229	0.44	ng/ul	98
19) Chrysene	21.44	228	1166	0.44	ng/ul	95
21) Benzo(b)fluoranthene	23.01	252	1669	0.55	ng/ul	95
22) Benzo(k)fluoranthene	23.06	252	819	0.28	ng/ul	91
23) Benzo(a)pyrene	23.61	252	1190	0.41	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.08	278	1783	0.65	ng/ul	95
26) Benzo(g,h,i)perylene	26.79	276	726	0.25	ng/ul#	85

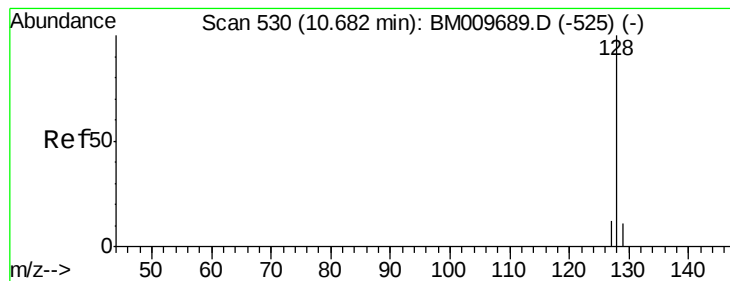
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.26 ng/ul

RT: 10.68 min Scan# 530

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

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X2934

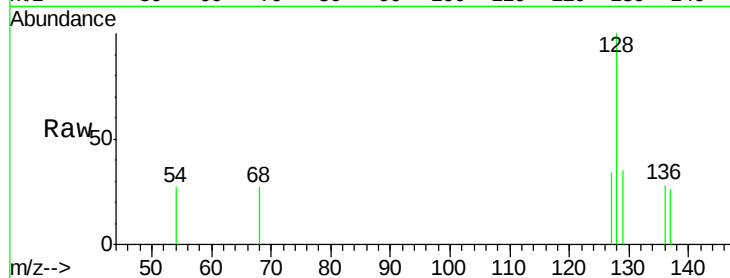
Tgt Ion:128 Resp: 271

Ion Ratio Lower Upper

128 100

129 34.8 11.3 16.9#

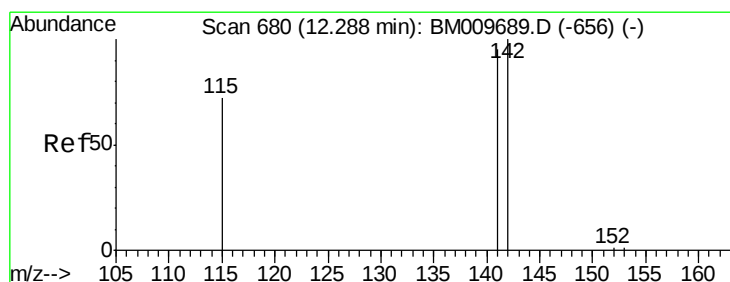
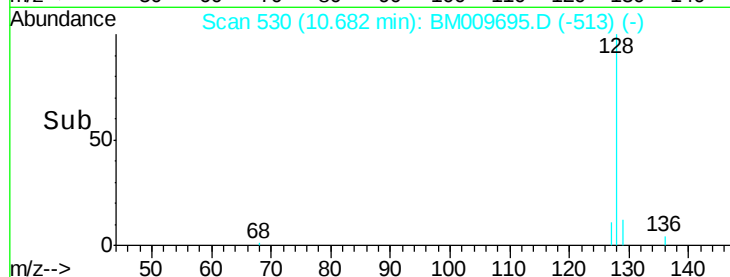
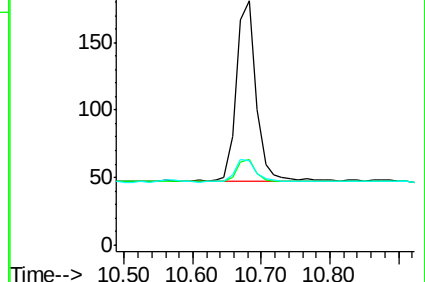
127 34.3 12.8 19.2#



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: 0.51 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.00 min

Lab File: BM009695.D

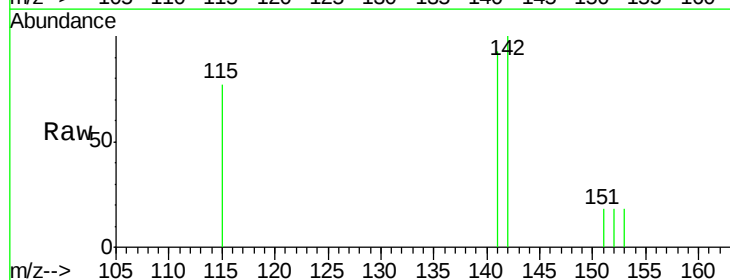
Acq: 24 Apr 2017 18:05

Tgt Ion:142 Resp: 392

Ion Ratio Lower Upper

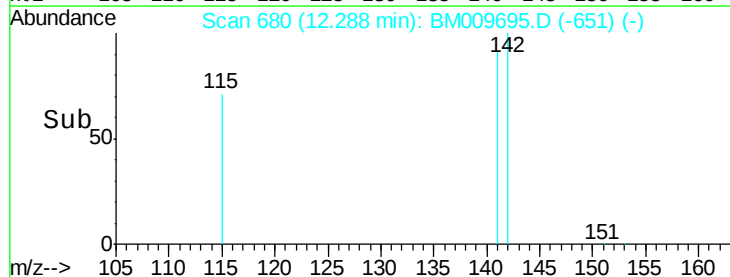
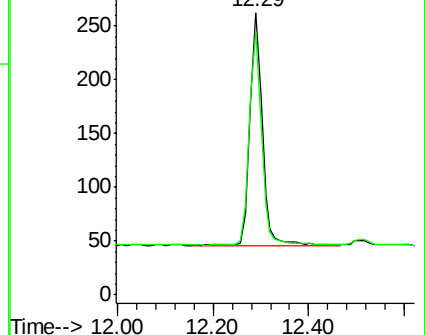
142 100

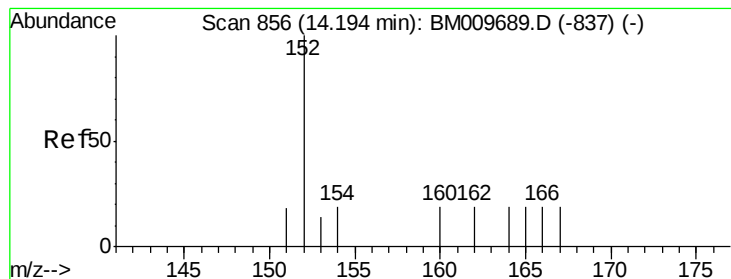
141 92.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.26 ng/ul

RT: 14.19 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

ClientSampleId :

X2934

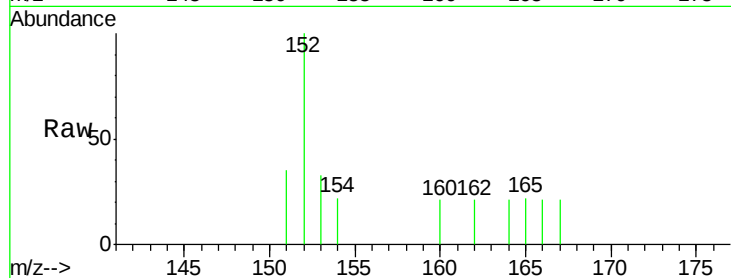
Tgt Ion:152 Resp: 337

Ion Ratio Lower Upper

152 100

151 34.8 17.1 25.7#

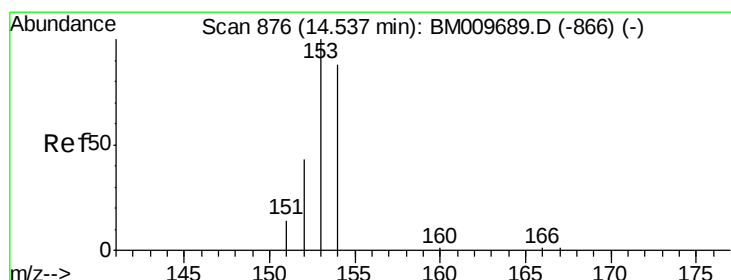
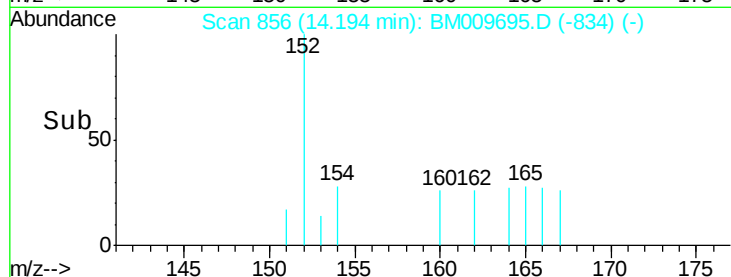
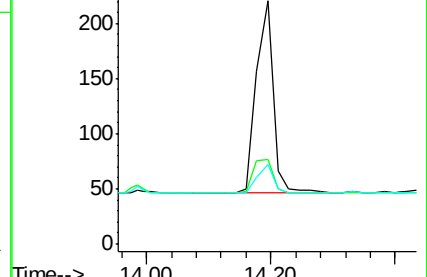
153 32.6 12.8 19.2#



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: 0.31 ng/ul

RT: 14.54 min Scan# 876

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

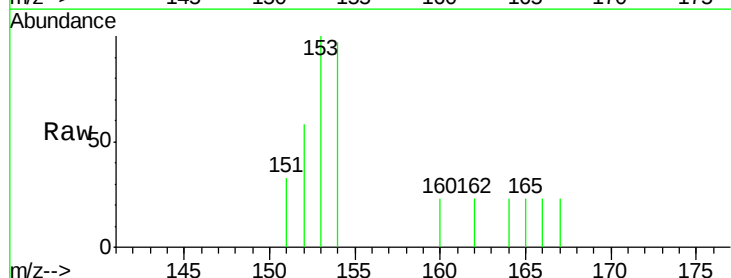
Tgt Ion:153 Resp: 313

Ion Ratio Lower Upper

153 100

152 58.0 40.3 60.5

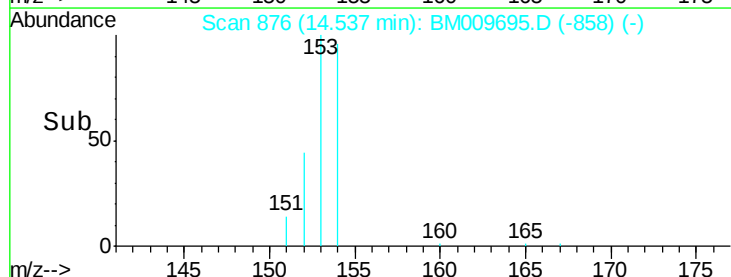
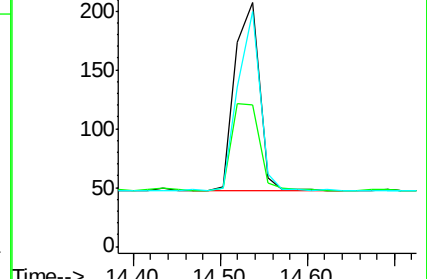
154 96.6 71.4 107.2

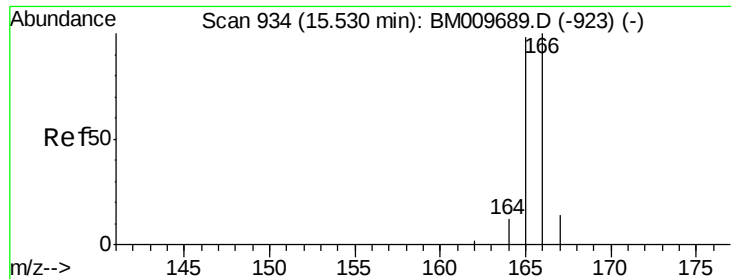


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

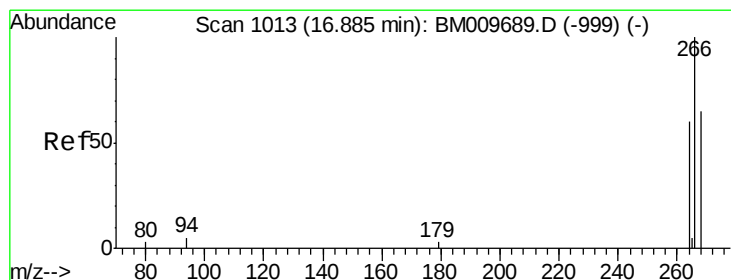
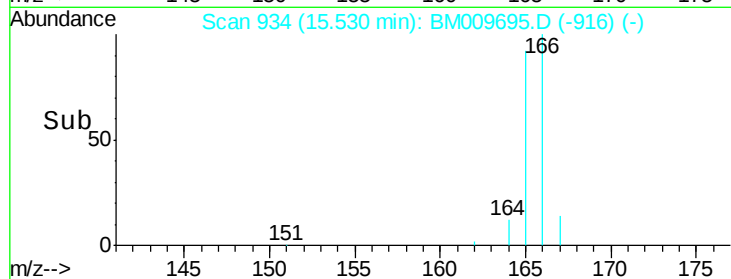
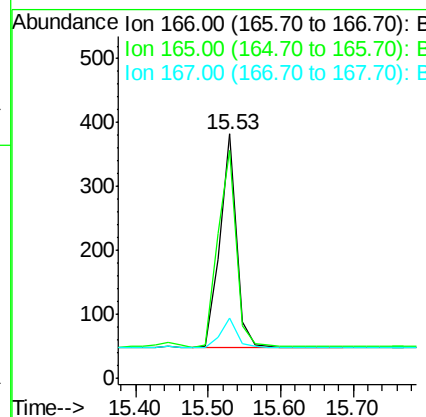
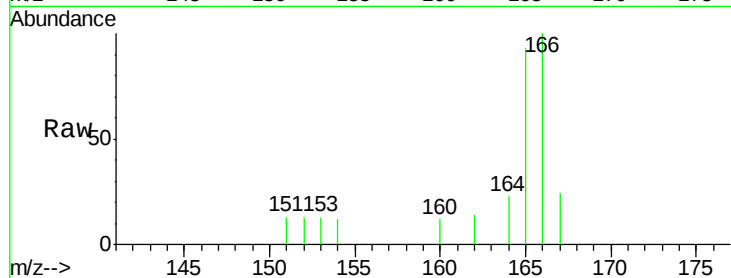




#9
Fluorene
Concen: 0.45 ng/ul
RT: 15.53 min Scan# 934
Delta R.T. 0.00 min
Lab File: BM009695.D
Acq: 24 Apr 2017 18:05

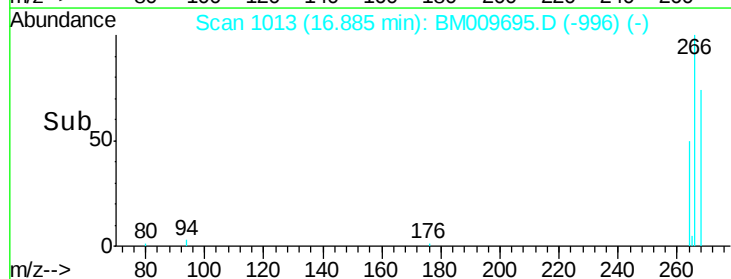
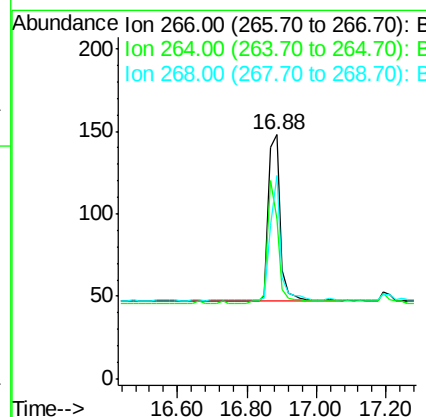
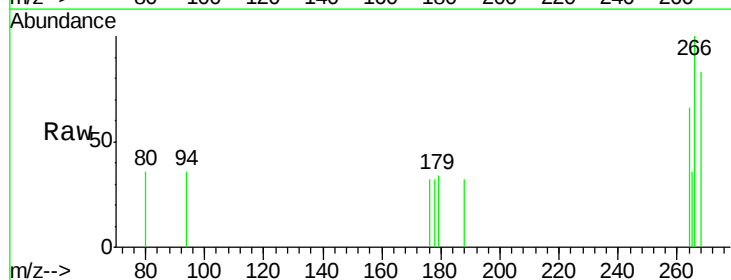
Instrument :
BNA_M
ClientSampleId :
X2934

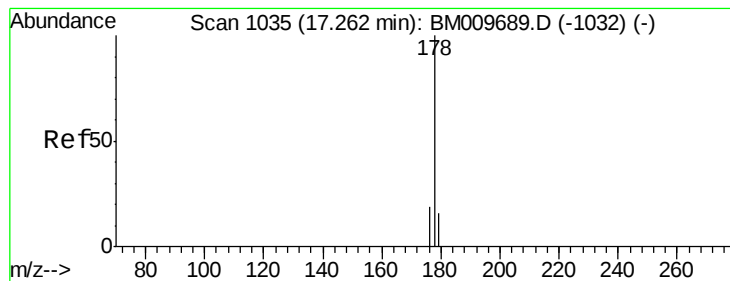
Tgt Ion:166 Resp: 543
Ion Ratio Lower Upper
166 100
165 93.5 73.4 110.2
167 24.3 14.6 22.0#



#11
Pentachlorophenol
Concen: 0.93 ng/ul
RT: 16.88 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BM009695.D
Acq: 24 Apr 2017 18:05

Tgt Ion:266 Resp: 239
Ion Ratio Lower Upper
266 100
264 66.9 47.9 71.9
268 64.0 49.8 74.8





#12

Phenanthrene

Concen: 0.37 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

ClientSampleId :

X2934

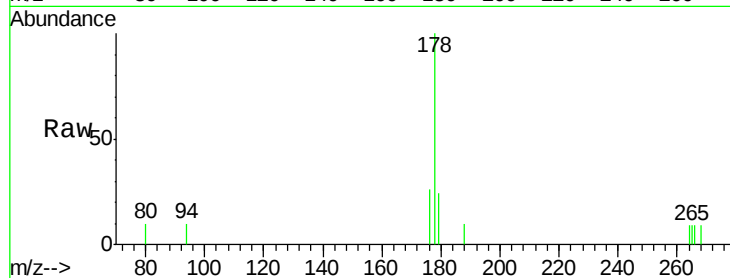
Tgt Ion:178 Resp: 727

Ion Ratio Lower Upper

178 100

176 26.3 18.4 27.6

179 24.4 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

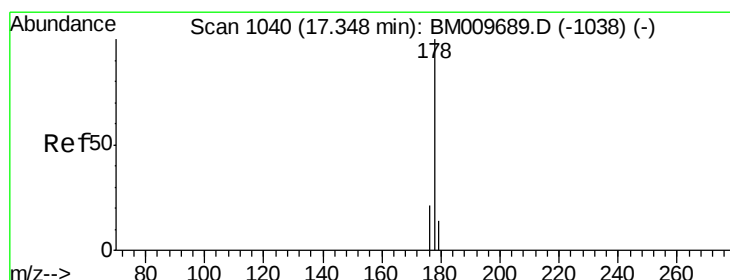
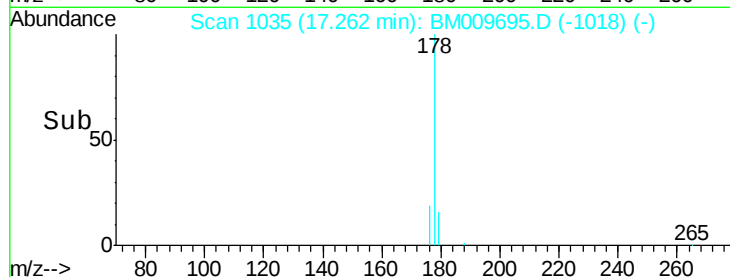
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.26

17.30

Time-->



#13

Anthracene

Concen: 0.50 ng/ul

RT: 17.35 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

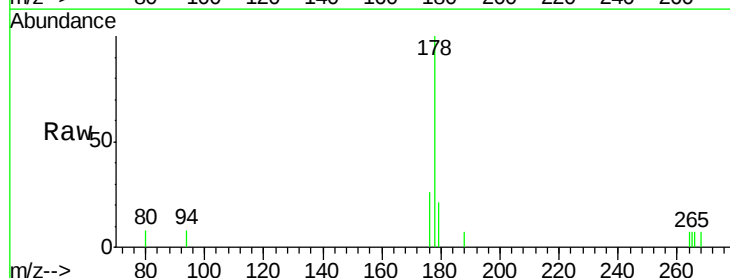
Tgt Ion:178 Resp: 989

Ion Ratio Lower Upper

178 100

176 25.7 18.1 27.1

179 21.0 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

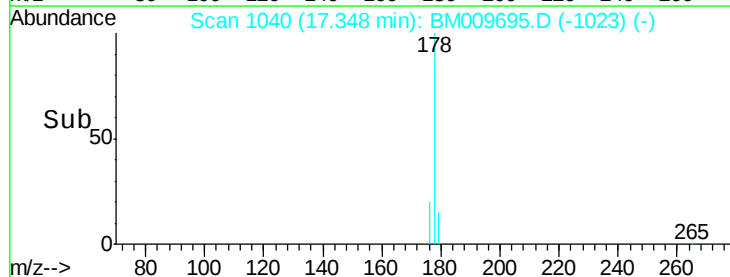
Ion 179.00 (178.70 to 179.70): E

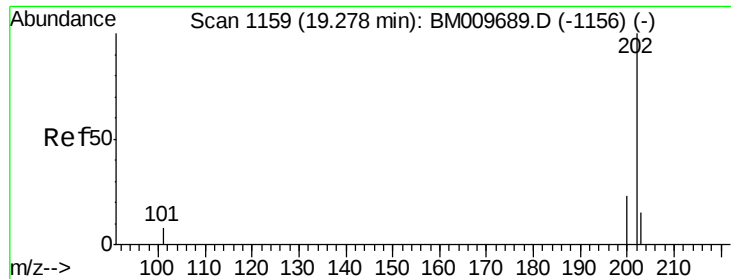
17.35

17.40

17.50

Time-->





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.28 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

ClientSampleId :

X2934

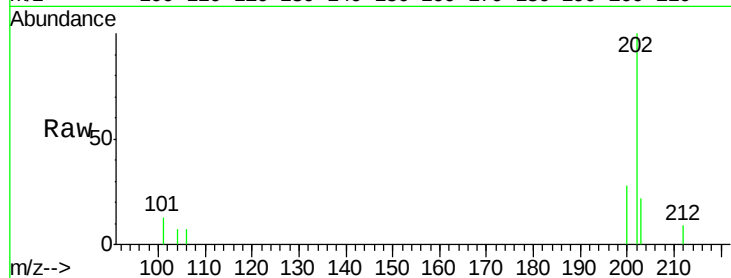
Tgt Ion:202 Resp: 969

Ion Ratio Lower Upper

202 100

101 13.4 0.0 30.3

203 21.7 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

19.28

600

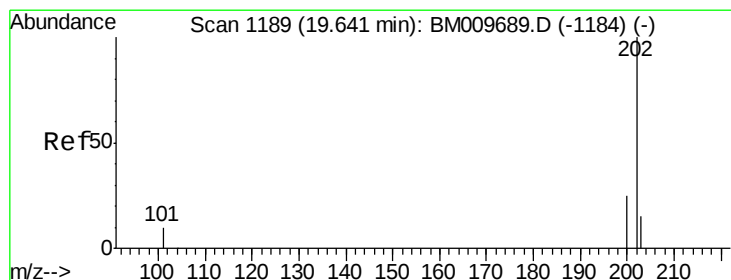
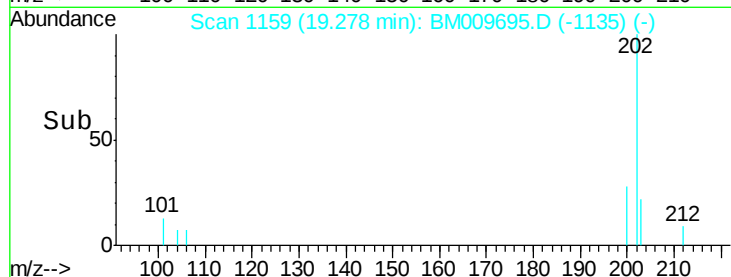
400

200

0

19.20 19.40 19.60

Time-->



#17

Pyrene

Concen: 0.34 ng/ul

RT: 19.64 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

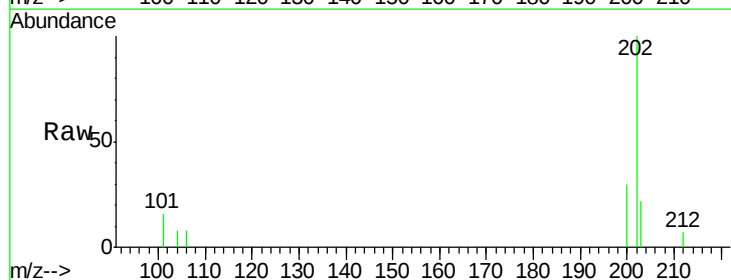
Tgt Ion:202 Resp: 953

Ion Ratio Lower Upper

202 100

200 29.7 18.2 27.4#

203 22.0 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

19.64

600

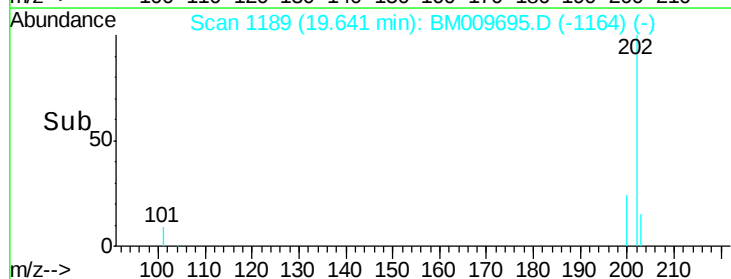
400

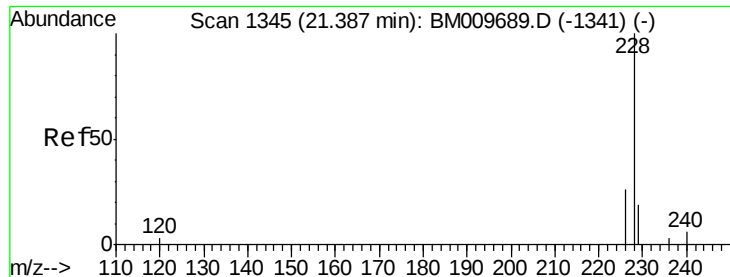
200

0

19.60 19.70

Time-->





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

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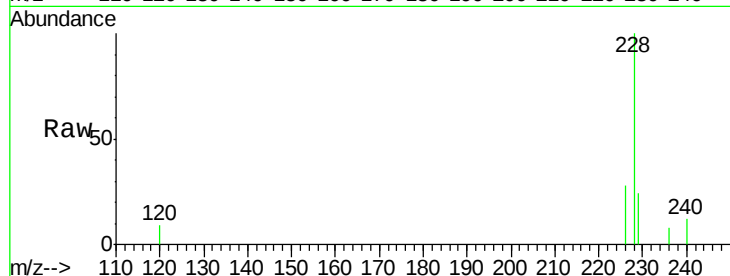
Tgt Ion:228 Resp: 1229

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

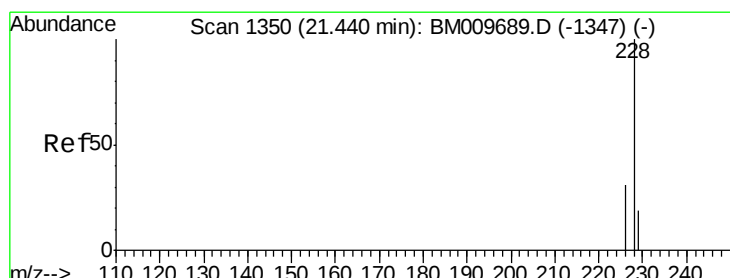
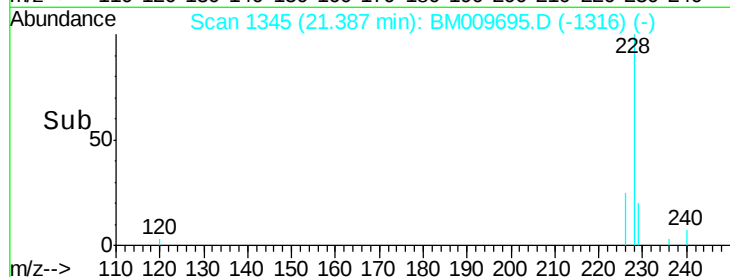
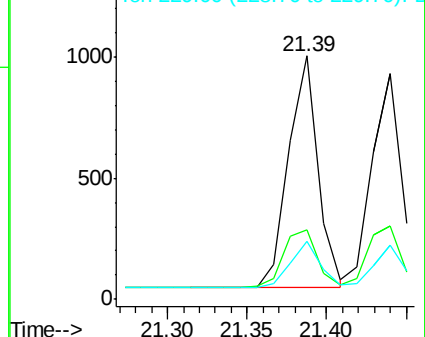
229 23.8 17.0 25.6



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



#19

Chrysene

Concen: 0.44 ng/ul

RT: 21.44 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

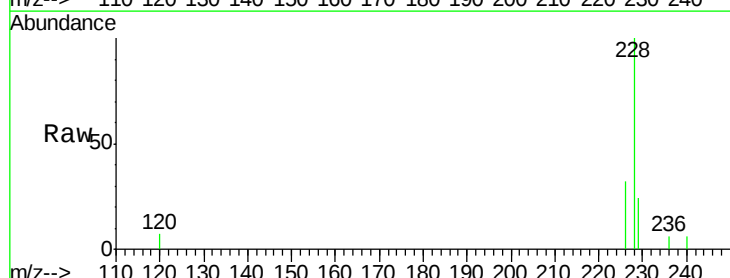
Tgt Ion:228 Resp: 1166

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

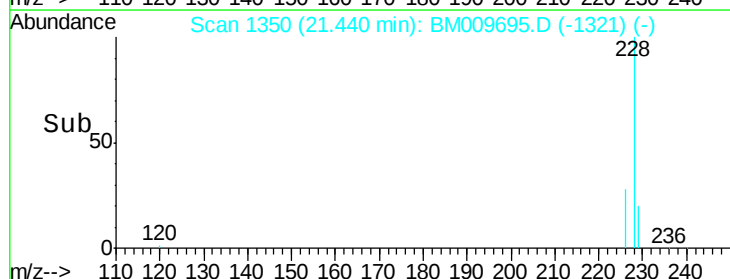
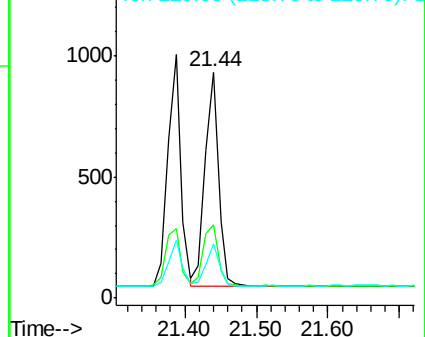
229 24.2 17.7 26.5

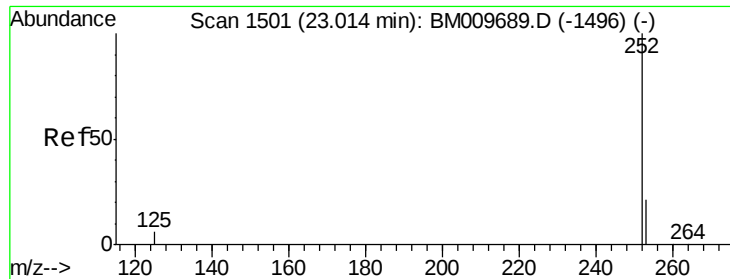


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.55 ng/u1

RT: 23.01 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

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X2934

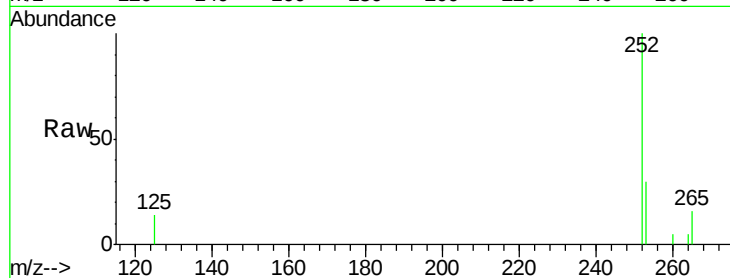
Tgt Ion:252 Resp: 1669

Ion Ratio Lower Upper

252 100

253 30.0 0.0 64.2

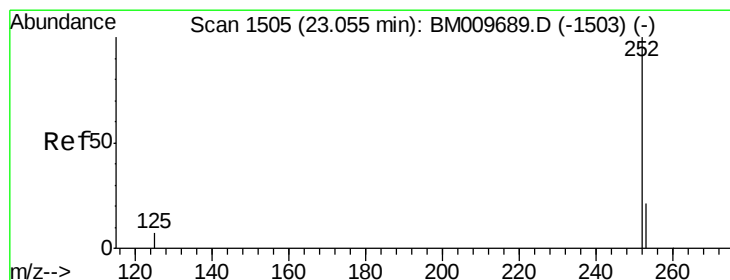
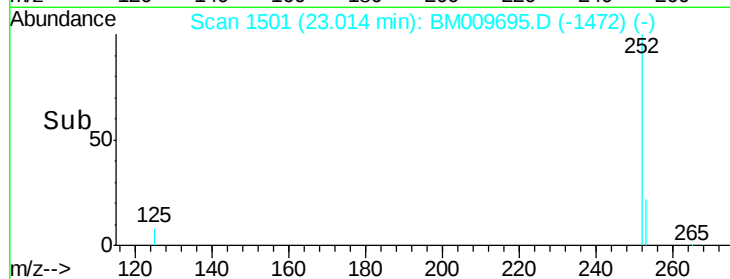
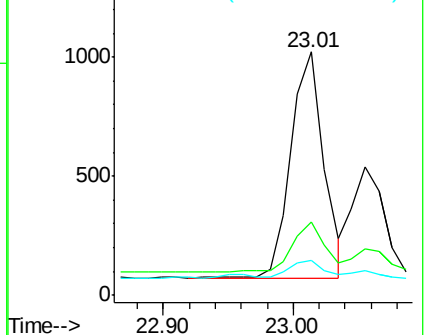
125 14.1 0.0 35.0



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: 0.28 ng/u1

RT: 23.06 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

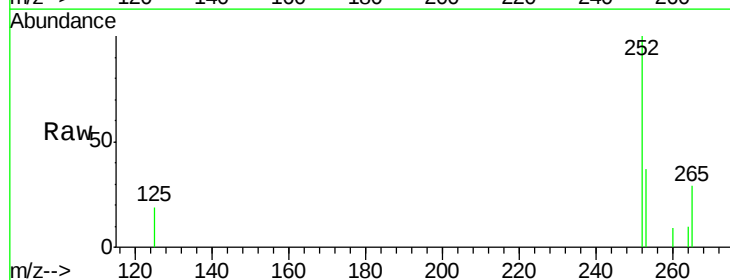
Tgt Ion:252 Resp: 819

Ion Ratio Lower Upper

252 100

253 36.5 24.5 36.7

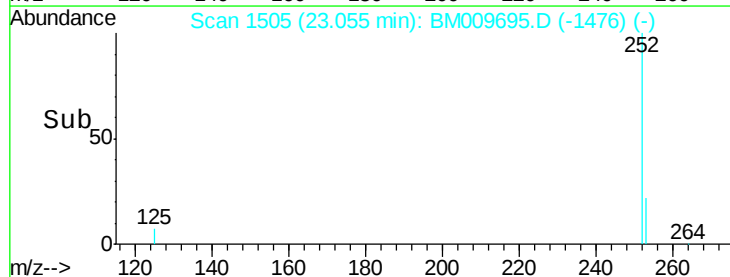
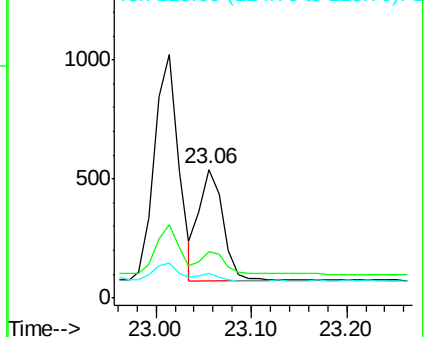
125 19.1 13.7 20.5

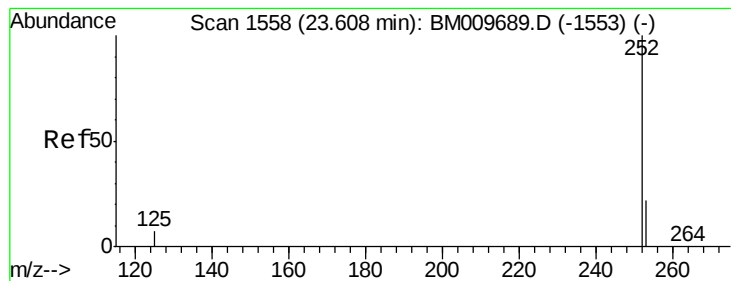


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.61 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

ClientSampleId :

X2934

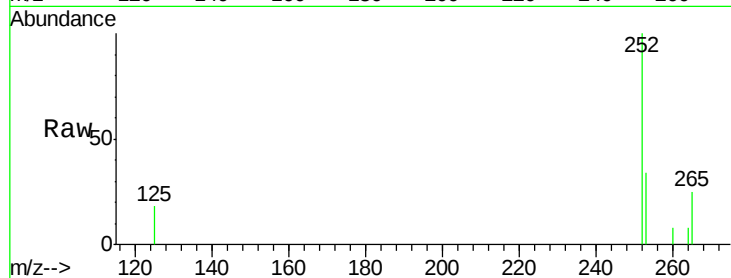
Tgt Ion:252 Resp: 1190

Ion Ratio Lower Upper

252 100

253 33.8 28.5 42.7

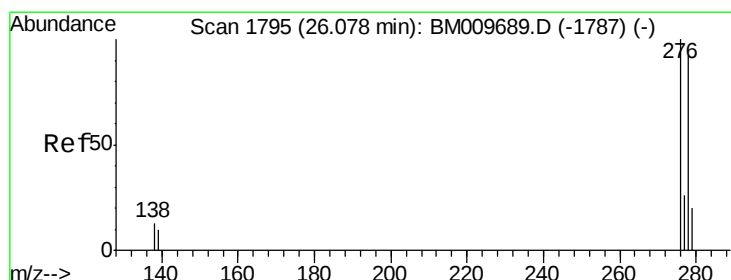
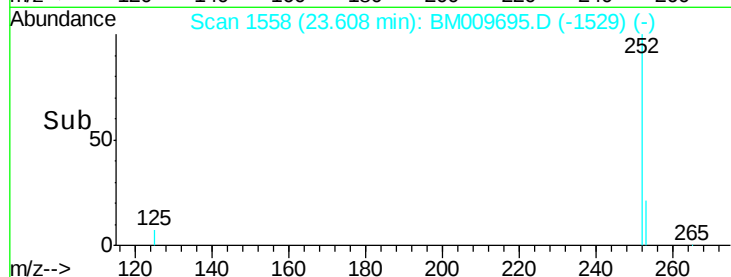
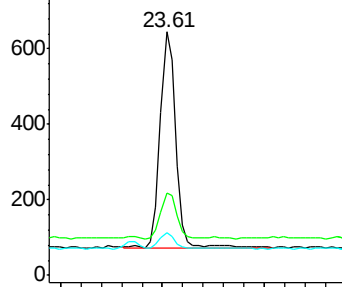
125 17.5 18.1 27.1#



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



#25

Dibenzo(a,h)anthracene

Concen: 0.65 ng/ul

RT: 26.08 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BM009695.D

Acq: 24 Apr 2017 18:05

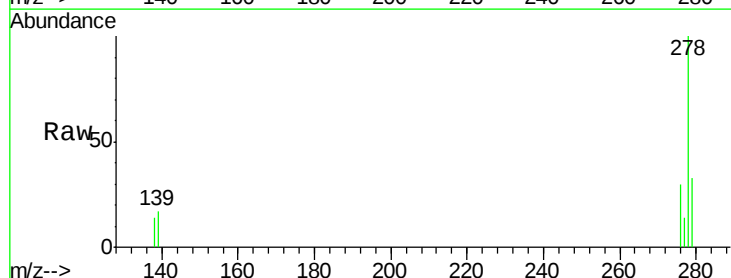
Tgt Ion:278 Resp: 1783

Ion Ratio Lower Upper

278 100

139 17.4 17.4 26.0

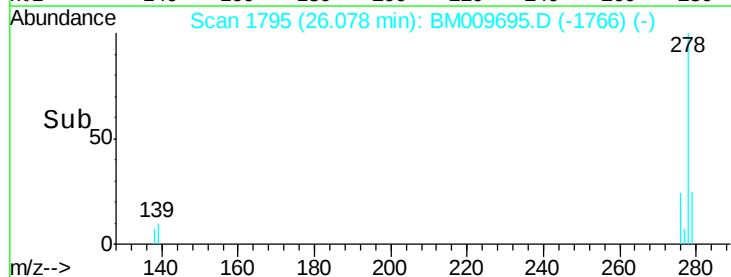
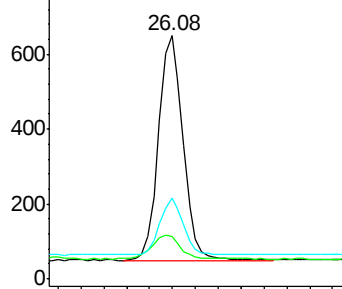
279 33.2 25.9 38.9

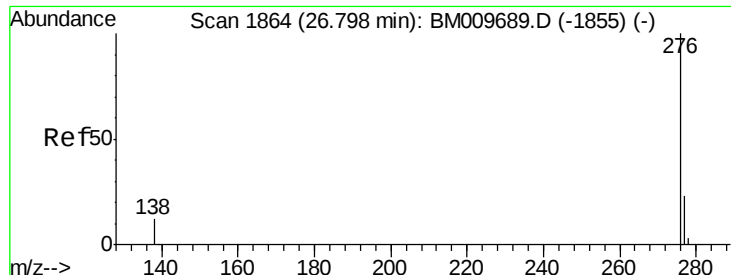


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.25 ng/ul

RT: 26.79 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM009695.D

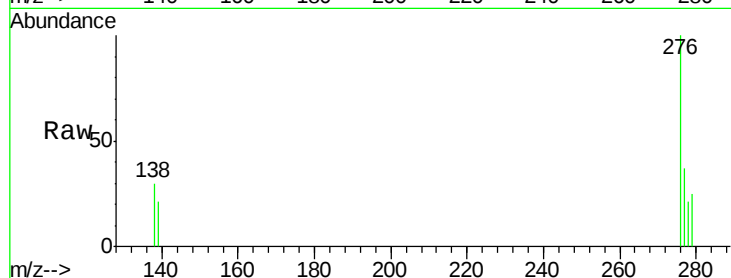
Acq: 24 Apr 2017 18:05

Instrument :

BNA_M

ClientSampleId :

X2934



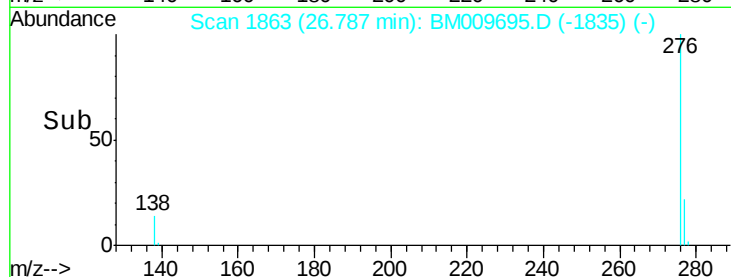
Tgt Ion: 276 Resp: 726

Ion Ratio Lower Upper

276 100

277 37.5 21.8 32.8#

138 30.3 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

