

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007311.D
 Acq On : 27 Aug 2016 02:17
 Operator : UM/SJ
 Sample : MDL-06-W
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:09:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 23:46:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1320	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	5085	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3166	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	8678	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	9470	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	9902	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	2626	0.41	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	8684	0.44	ng/ul	0.00

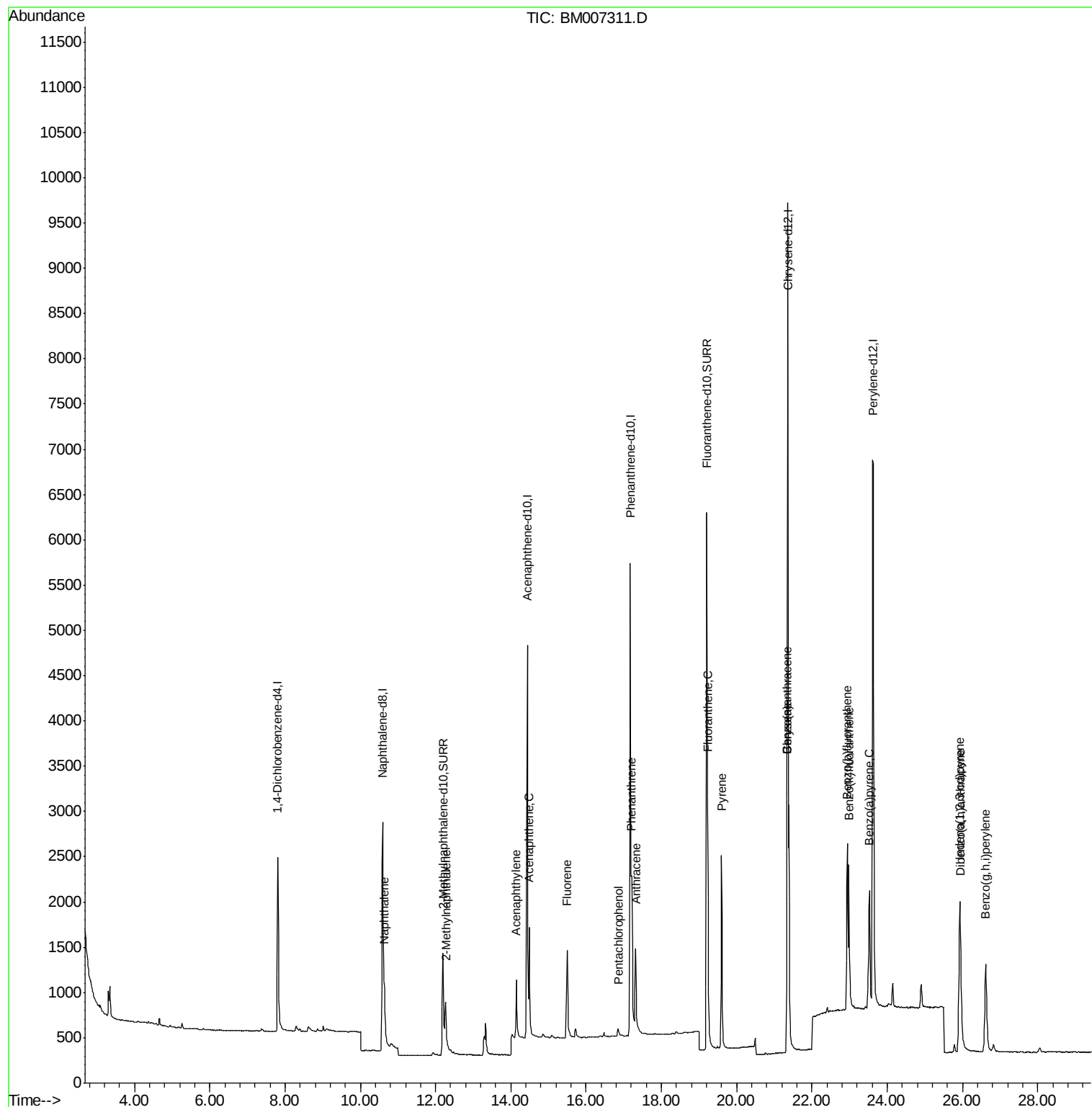
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	930	0.07	ng/ul#	71
5) 2-Methylnaphthalene	12.27	142	628	0.07	ng/ul	95
7) Acenaphthylene	14.14	152	1006	0.06	ng/ul#	83
8) Acenaphthene	14.49	153	800	0.07	ng/ul#	83
9) Fluorene	15.50	166	926	0.07	ng/ul#	89
11) Pentachlorophenol	16.85	266	108	0.05	ng/ul	89
12) Phenanthrene	17.21	178	1823	0.07	ng/ul#	89
13) Anthracene	17.31	178	1479	0.06	ng/ul#	85
15) Fluoranthene	19.23	202	2401	0.08	ng/ul	90
17) Pyrene	19.59	202	2421	0.08	ng/ul#	93
18) Benzo(a)anthracene	21.34	228	2068	0.07	ng/ul#	91
19) Chrysene	21.34	228	2068	0.07	ng/ul	95
21) Benzo(b)fluoranthene	22.94	252	2604	0.07	ng/ul	88
22) Benzo(k)fluoranthene	22.98	252	2418	0.08	ng/ul#	89
23) Benzo(a)pyrene	23.52	252	2471	0.08	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	2750	0.07	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.94	278	2088	0.07	ng/ul#	86
26) Benzo(g,h,i)perylene	26.62	276	2490	0.07	ng/ul#	94

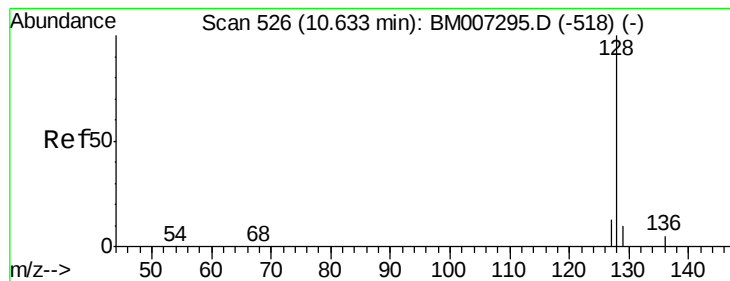
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampled :

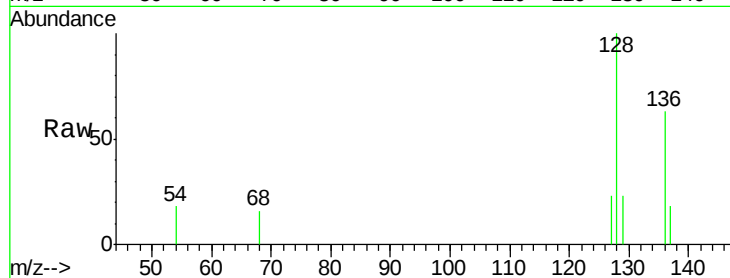
Tgt Ion:128 Resp: 930

Ion Ratio Lower Upper

128 100

129 22.5 9.0 13.6#

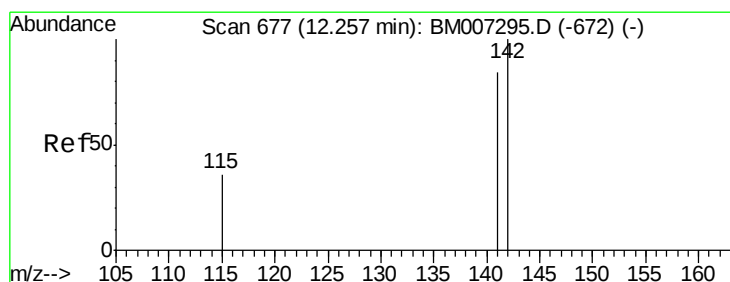
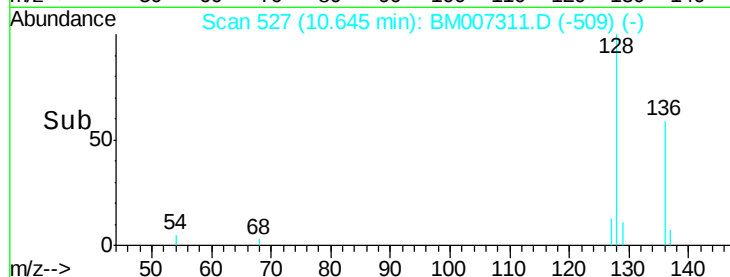
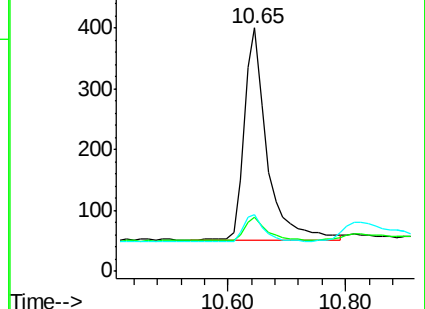
127 23.3 9.6 14.4#



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



#5

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM007311.D

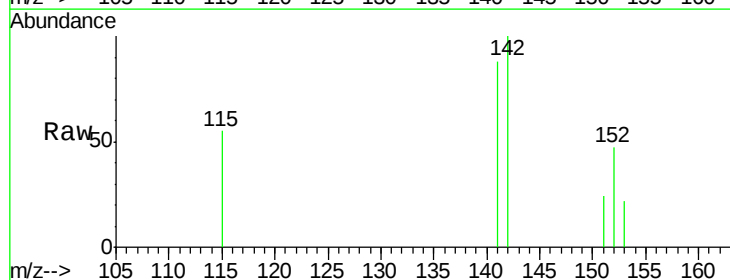
Acq: 27 Aug 2016 02:17

Tgt Ion:142 Resp: 628

Ion Ratio Lower Upper

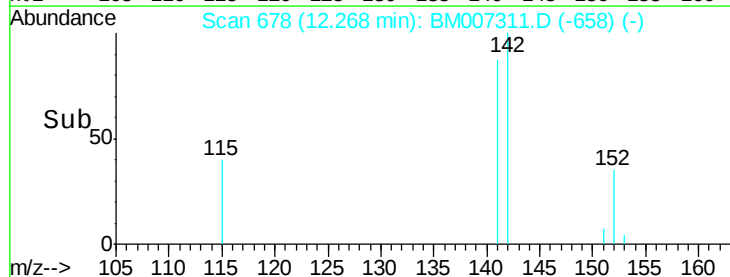
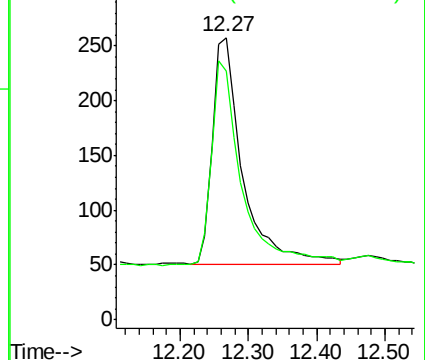
142 100

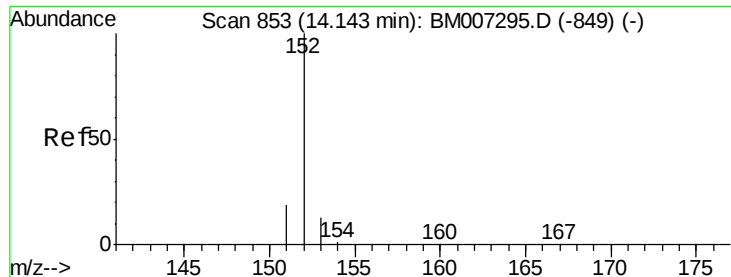
141 93.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :

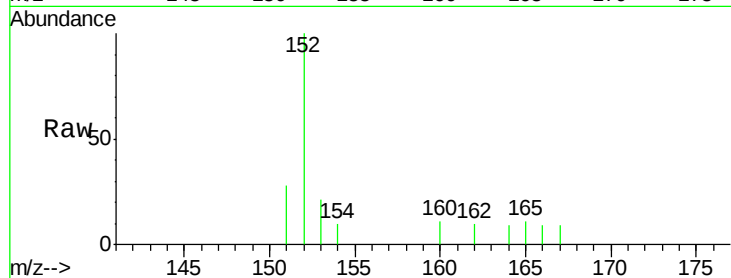
Tgt Ion:152 Resp: 1006

Ion Ratio Lower Upper

152 100

151 28.2 17.6 26.4#

153 21.2 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

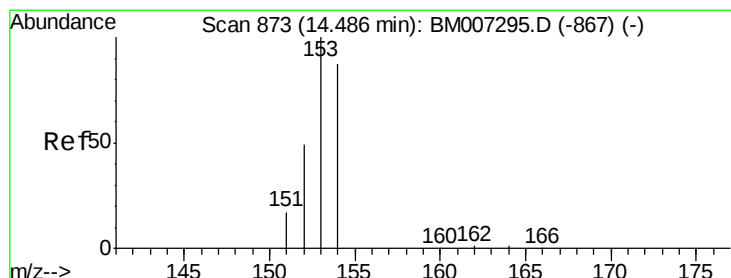
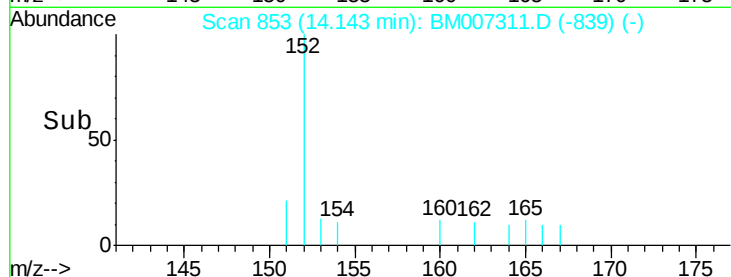
14.14

400

200

0

Time--> 14.00 14.10 14.20 14.30



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

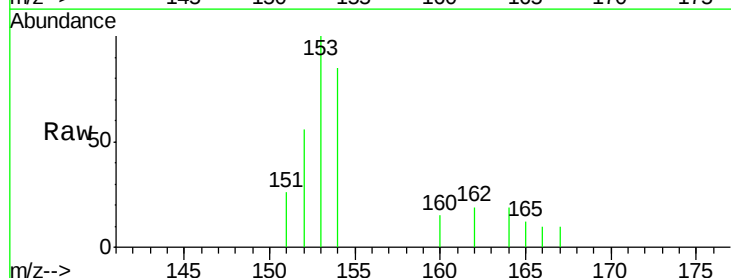
Tgt Ion:153 Resp: 800

Ion Ratio Lower Upper

153 100

152 56.0 33.9 50.9#

154 85.4 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

14.49

500

400

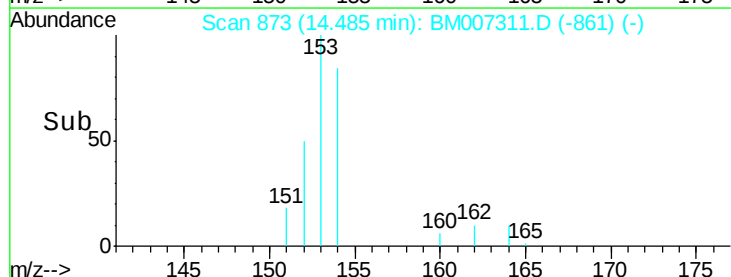
300

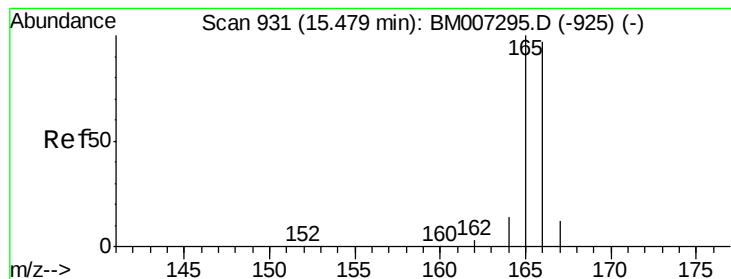
200

100

0

Time--> 14.40 14.60





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.02 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :

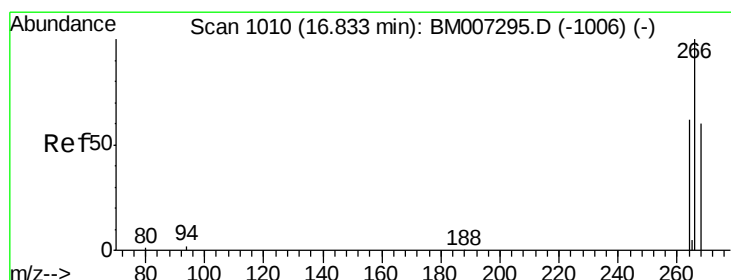
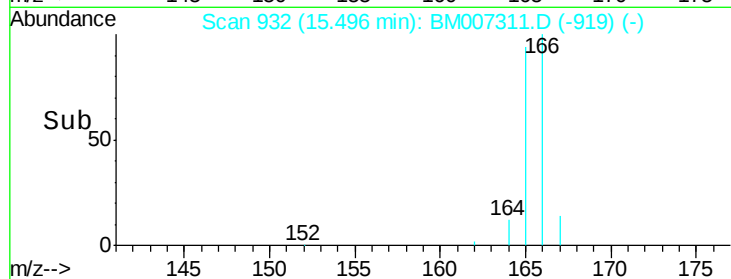
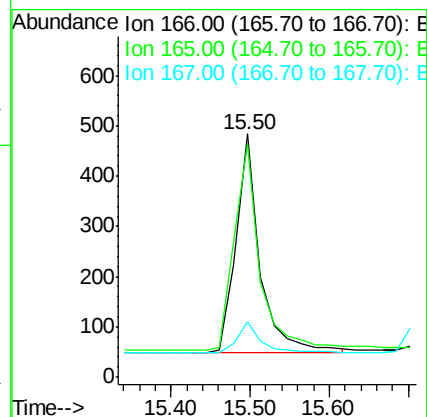
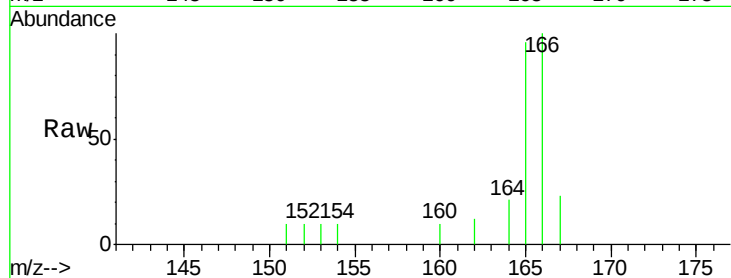
Tgt Ion:166 Resp: 926

Ion Ratio Lower Upper

166 100

165 95.9 69.6 104.4

167 22.5 11.9 17.9#



#11

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

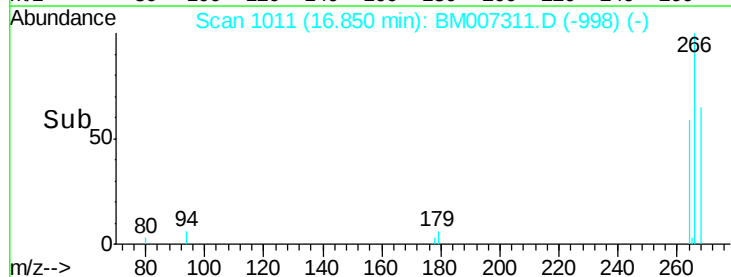
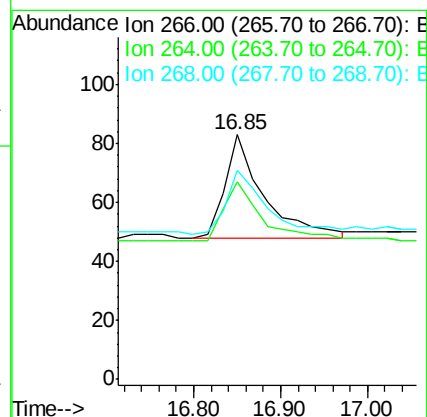
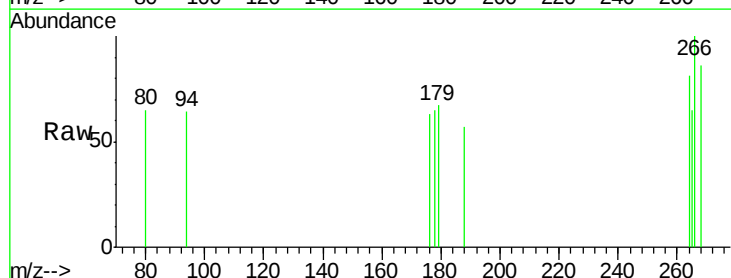
Tgt Ion:266 Resp: 108

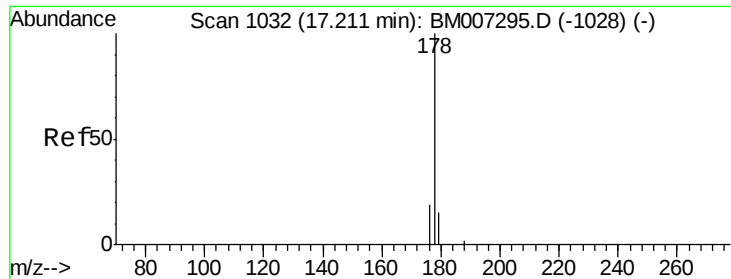
Ion Ratio Lower Upper

266 100

264 57.4 51.8 77.8

268 68.5 46.8 70.2





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :

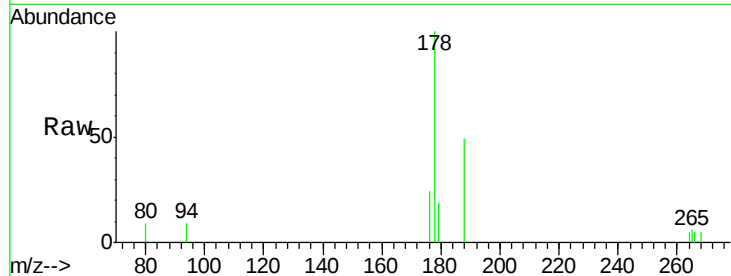
Tgt Ion:178 Resp: 1823

Ion Ratio Lower Upper

178 100

176 24.1 13.0 19.4#

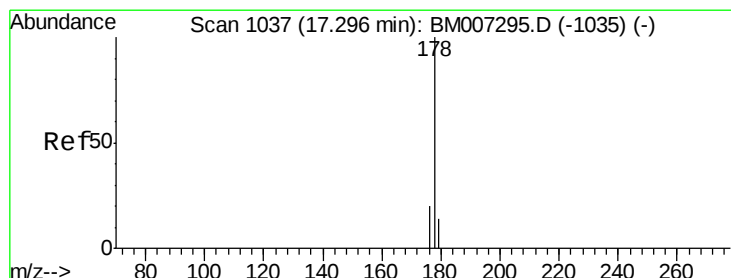
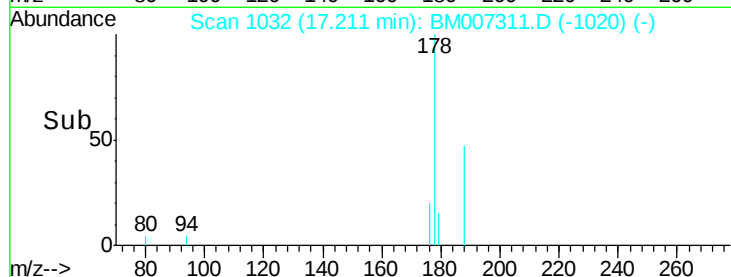
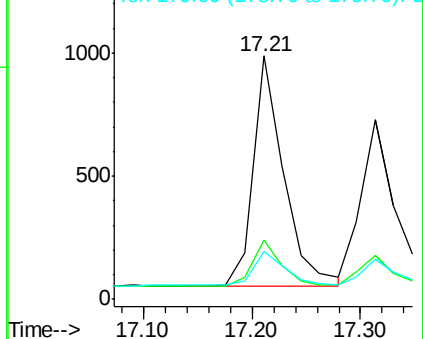
179 19.3 14.2 21.2



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



#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

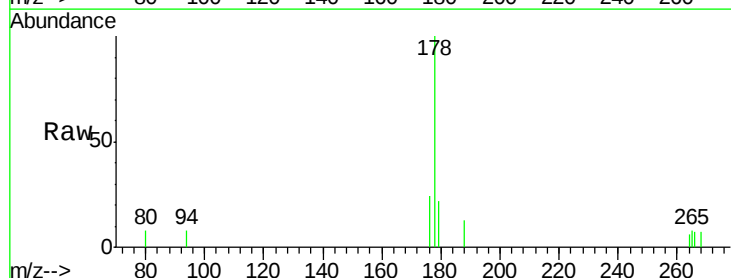
Tgt Ion:178 Resp: 1479

Ion Ratio Lower Upper

178 100

176 24.4 14.0 21.0#

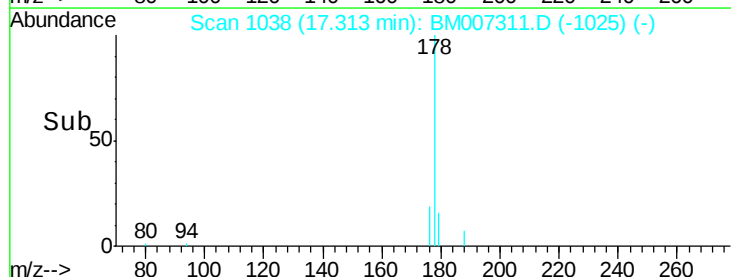
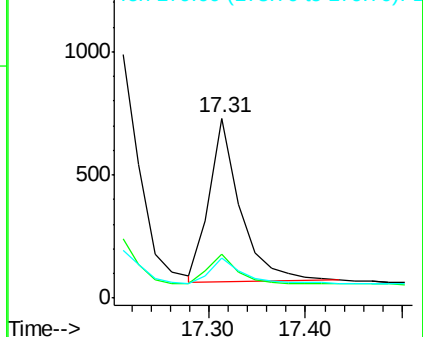
179 22.2 12.9 19.3#

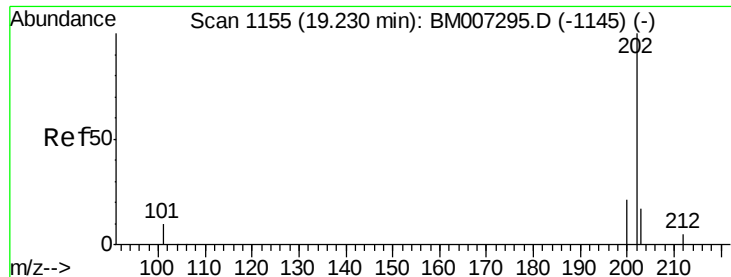


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.08 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :

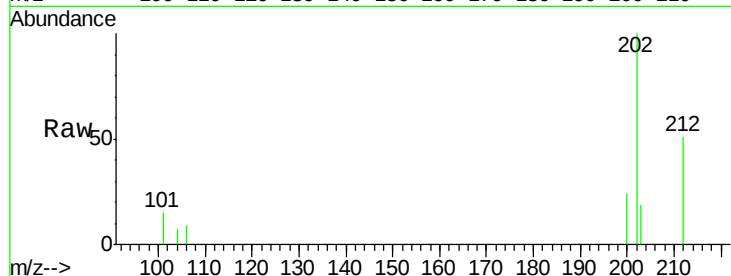
Tgt Ion:202 Resp: 2401

Ion Ratio Lower Upper

202 100

101 15.0 0.0 29.6

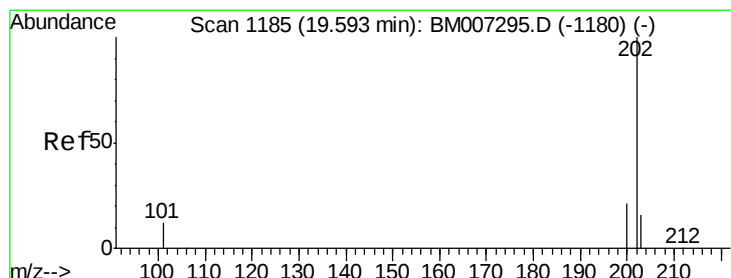
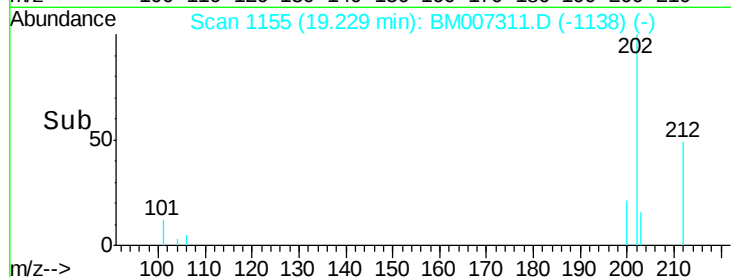
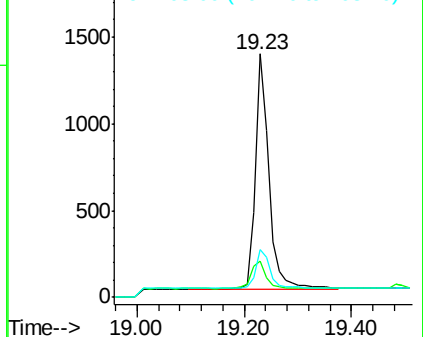
203 19.4 0.0 36.3



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



#17

Pyrene

Concen: 0.08 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

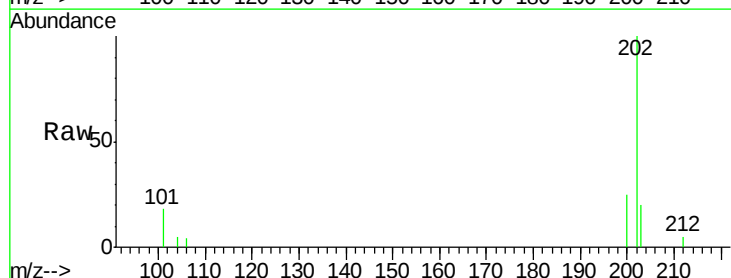
Tgt Ion:202 Resp: 2421

Ion Ratio Lower Upper

202 100

200 24.8 17.8 26.8

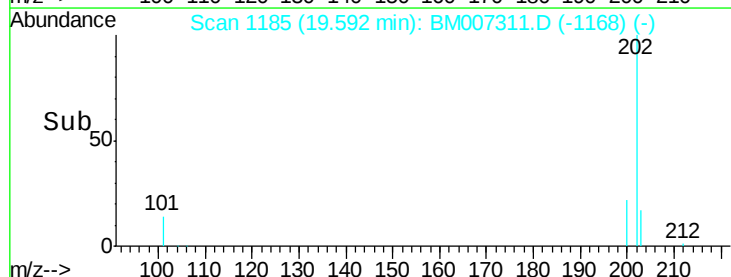
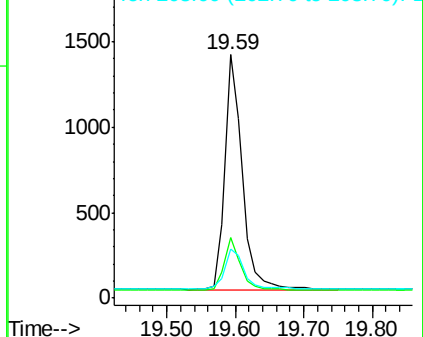
203 20.0 12.8 19.2#

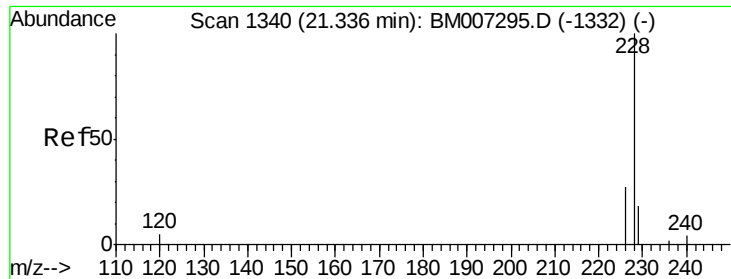


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :

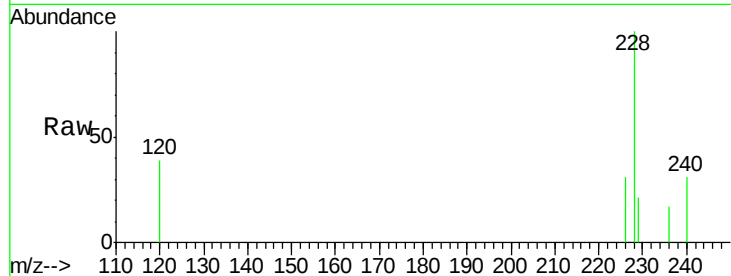
Tgt Ion:228 Resp: 2068

Ion Ratio Lower Upper

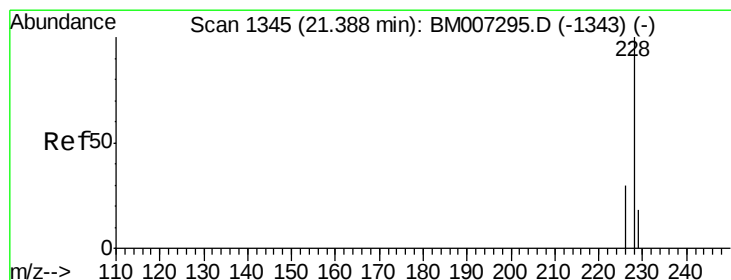
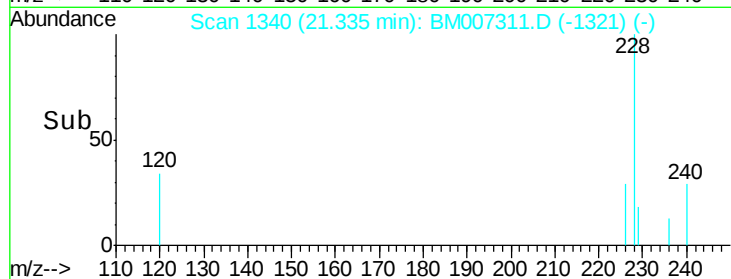
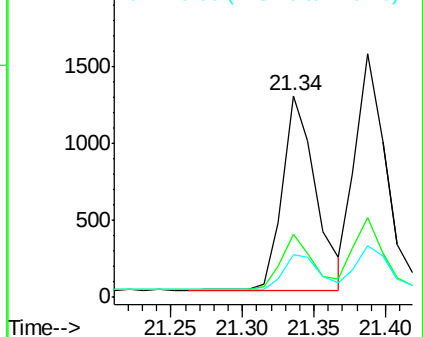
228 100

226 31.2 18.8 28.2#

229 20.9 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



#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.05 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

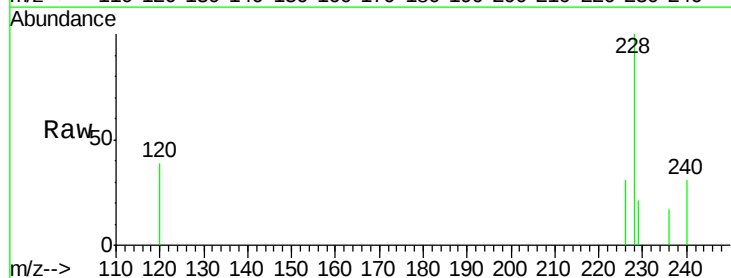
Tgt Ion:228 Resp: 2068

Ion Ratio Lower Upper

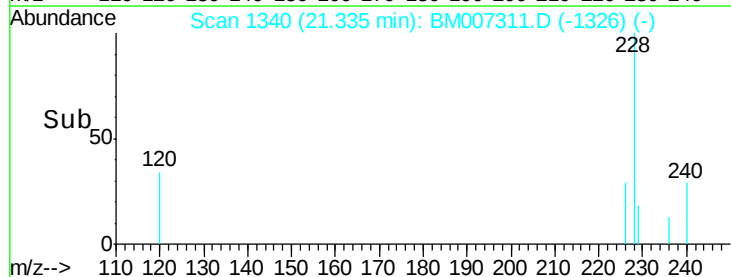
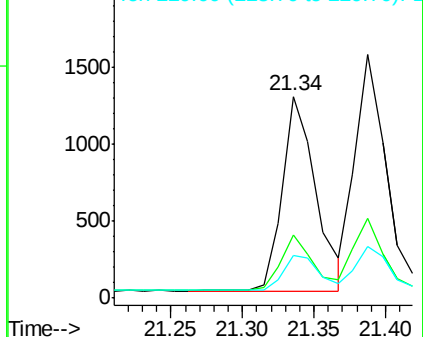
228 100

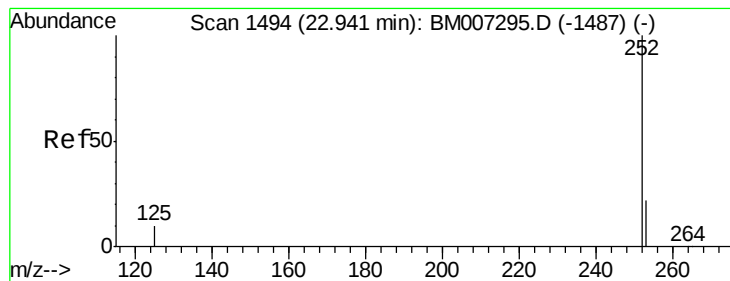
226 31.2 21.2 31.8

229 20.9 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





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/u1

RT: 22.94 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :

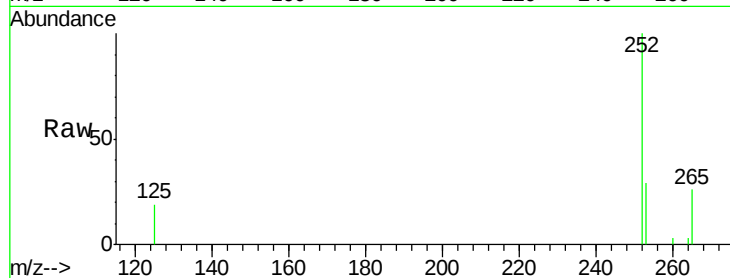
Tgt Ion:252 Resp: 2604

Ion Ratio Lower Upper

252 100

253 29.0 0.0 45.4

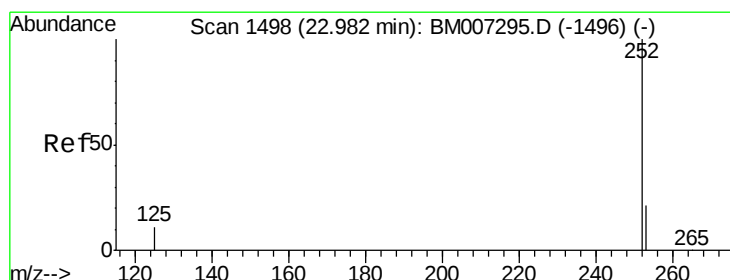
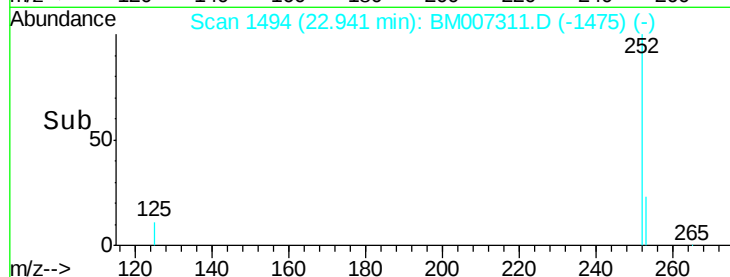
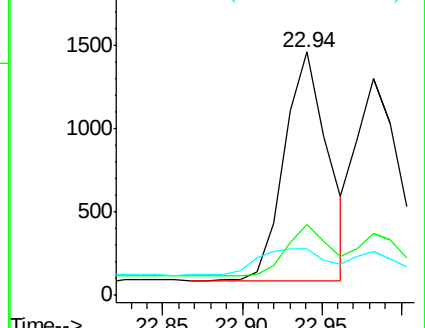
125 19.1 0.0 28.8



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



#22

Benzo(k)fluoranthene

Concen: 0.08 ng/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

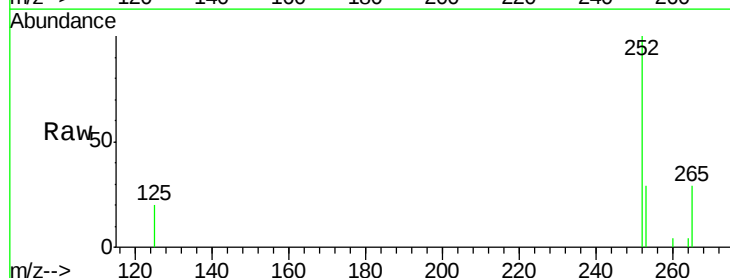
Tgt Ion:252 Resp: 2418

Ion Ratio Lower Upper

252 100

253 28.7 19.8 29.8

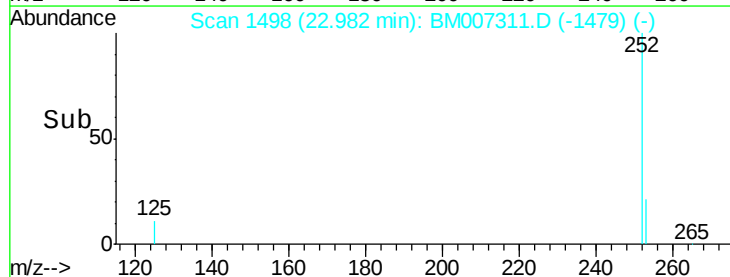
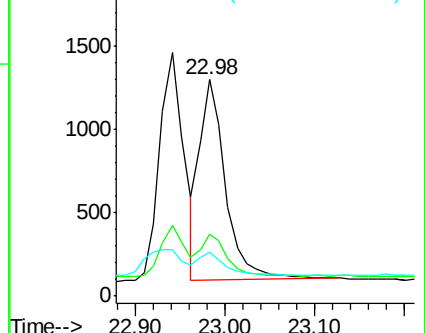
125 20.0 10.4 15.6#

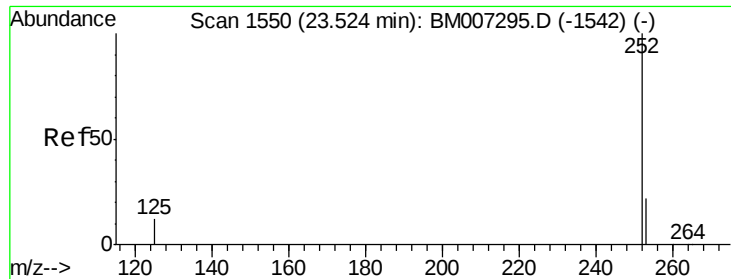


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. -0.00 min

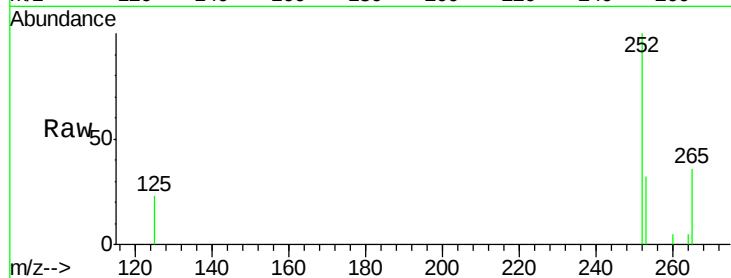
Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampled :



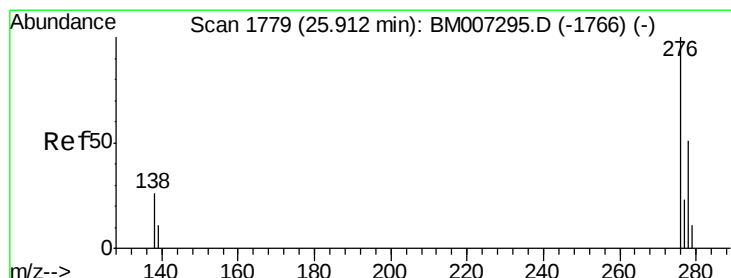
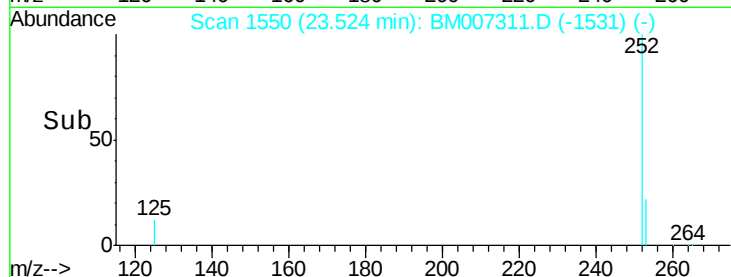
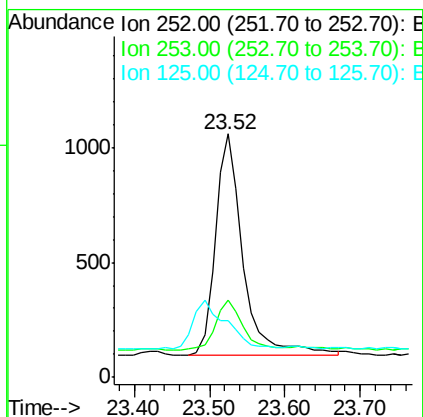
Tgt Ion:252 Resp: 2471

Ion Ratio Lower Upper

252 100

253 31.6 19.4 29.2#

125 23.3 12.7 19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 25.92 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

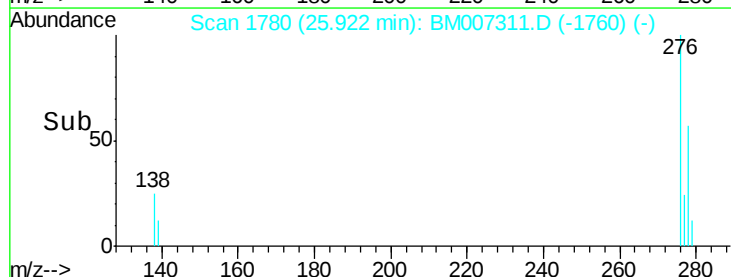
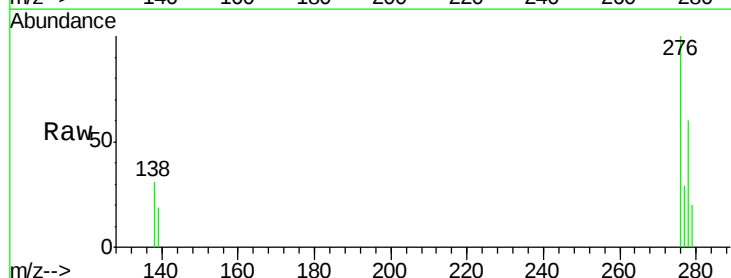
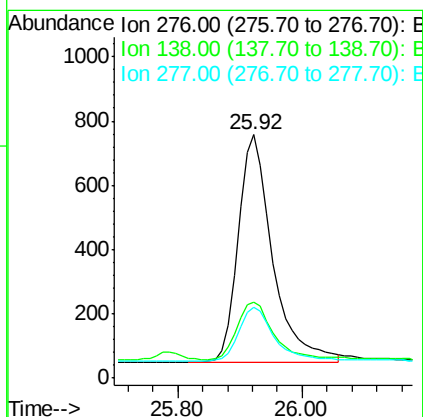
Tgt Ion:276 Resp: 2750

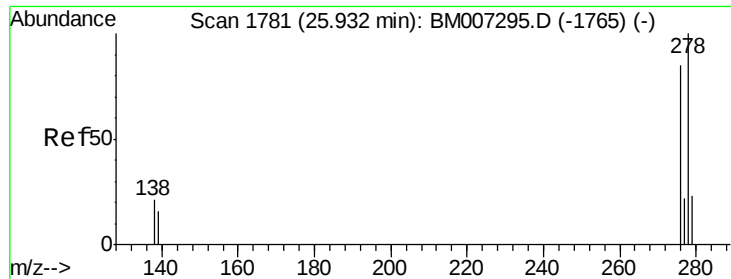
Ion Ratio Lower Upper

276 100

138 27.1 16.3 24.5#

277 24.1 19.8 29.8





#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 25.94 min Scan# 1782

Delta R.T. 0.01 min

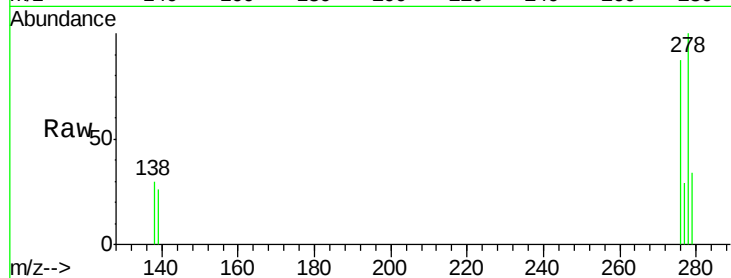
Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Instrument :

BNA_M

ClientSampleId :



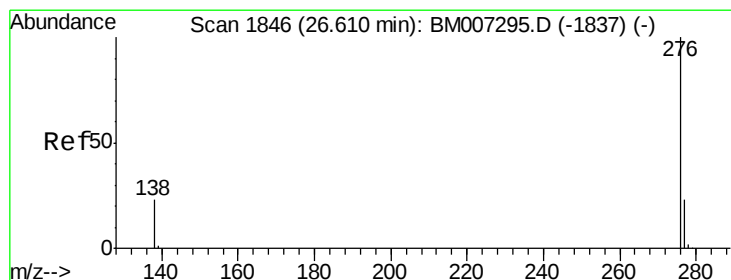
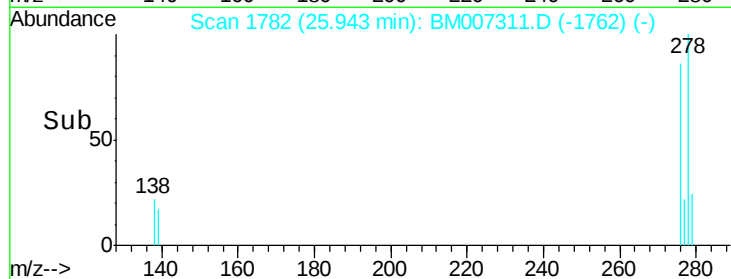
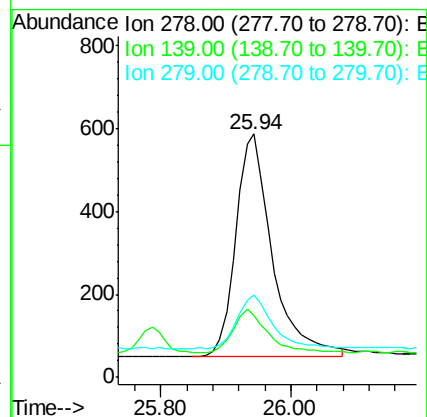
Tgt Ion: 278 Resp: 2088

Ion Ratio Lower Upper

278 100

139 25.5 16.4 24.6#

279 33.8 20.2 30.2#



#26

Benzo(g,h,i)perylene

Concen: 0.07 ng/ul

RT: 26.62 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BM007311.D

Acq: 27 Aug 2016 02:17

Tgt Ion: 276 Resp: 2490

Ion Ratio Lower Upper

276 100

277 28.7 18.9 28.3#

138 29.2 22.5 33.7

