

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083016\
 Data File : BM007347.D
 Acq On : 30 Aug 2016 18:05
 Operator : UM/SJ
 Sample : MDL-05-W
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

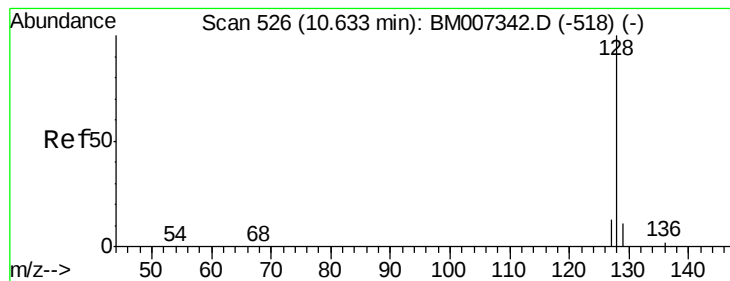
Quant Time: Aug 30 19:24:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 23:46:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1155	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	4916	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3411	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	9267	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	10212	0.40	ng/ul	-0.01
20) Perylene-d12	23.62	264	10252	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	1755	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	5950	0.29	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	708	0.06	ng/ul#	66
5) 2-Methylnaphthalene	12.26	142	488	0.06	ng/ul	95
7) Acenaphthylene	14.14	152	866	0.05	ng/ul#	84
8) Acenaphthene	14.49	153	652	0.05	ng/ul#	87
9) Fluorene	15.48	166	763	0.06	ng/ul#	79
11) Pentachlorophenol	16.83	266	107	0.05	ng/ul	98
12) Phenanthrene	17.21	178	1411	0.05	ng/ul#	88
13) Anthracene	17.30	178	1238	0.05	ng/ul#	81
15) Fluoranthene	19.23	202	1816	0.06	ng/ul	89
17) Pyrene	19.59	202	1925	0.06	ng/ul#	94
18) Benzo(a)anthracene	21.34	228	1777	0.06	ng/ul#	92
19) Chrysene	21.39	228	1828	0.06	ng/ul	92
21) Benzo(b)fluoranthene	22.93	252	1870	0.05	ng/ul	78
22) Benzo(k)fluoranthene	22.98	252	1958	0.06	ng/ul#	78
23) Benzo(a)pyrene	23.51	252	1817	0.06	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.91	276	1971	0.05	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.92	278	1549	0.05	ng/ul#	77
26) Benzo(g,h,i)perylene	26.60	276	1704	0.05	ng/ul#	86

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



#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

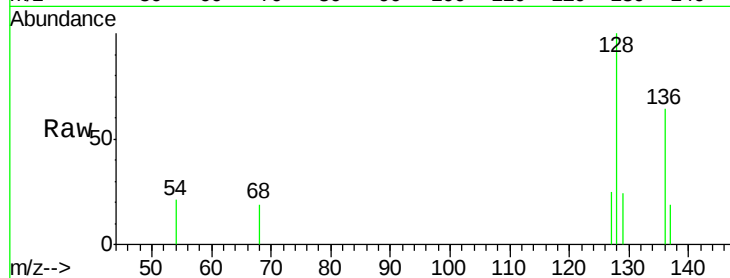
Tgt Ion:128 Resp: 708

Ion Ratio Lower Upper

128 100

129 24.4 9.0 13.6#

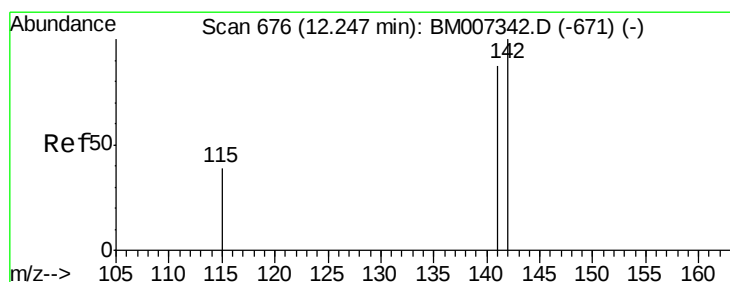
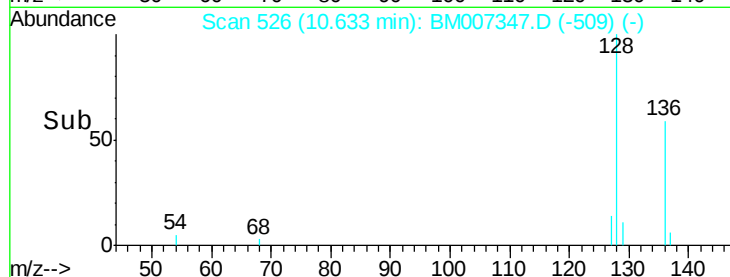
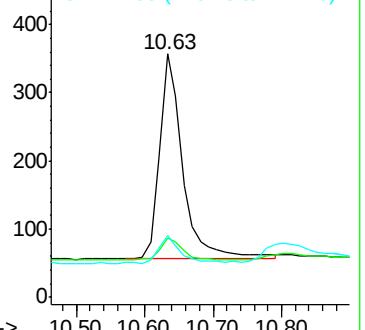
127 25.5 9.6 14.4#



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: 0.06 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM007347.D

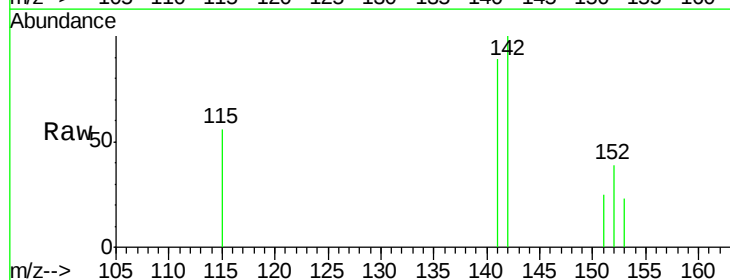
Acq: 30 Aug 2016 18:05

Tgt Ion:142 Resp: 488

Ion Ratio Lower Upper

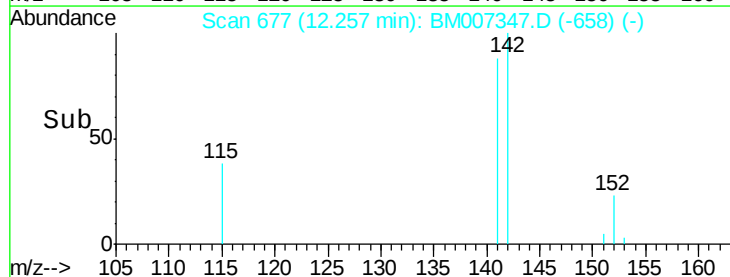
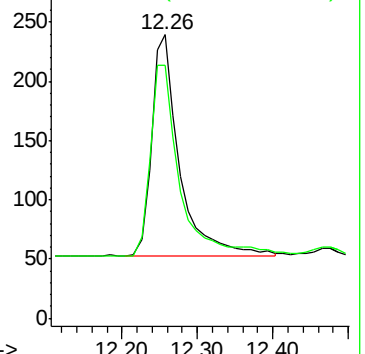
142 100

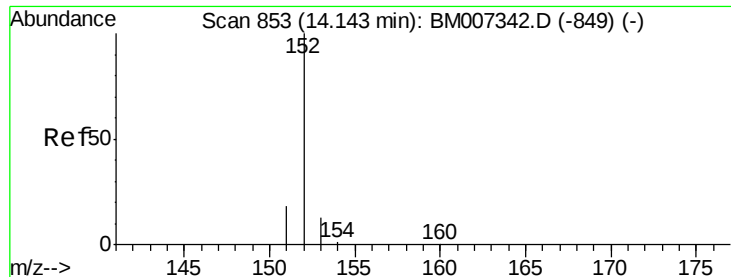
141 92.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

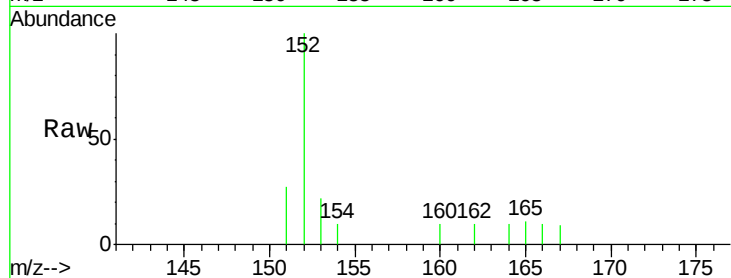
Tgt Ion:152 Resp: 866

Ion Ratio Lower Upper

152 100

151 27.0 17.6 26.4#

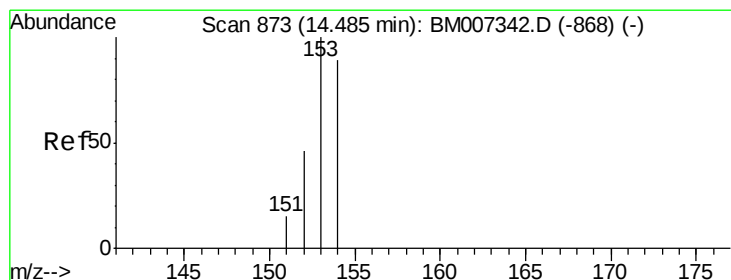
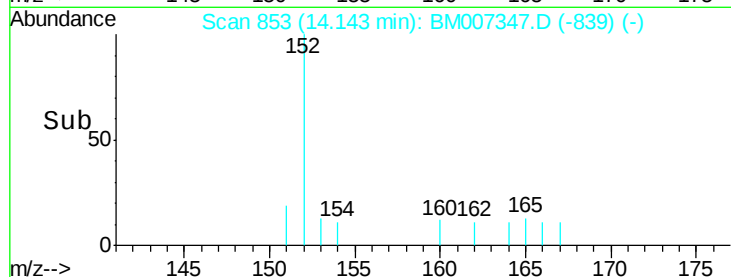
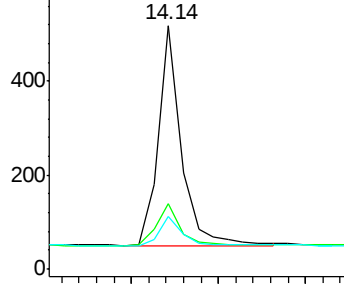
153 21.8 9.7 14.5#



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

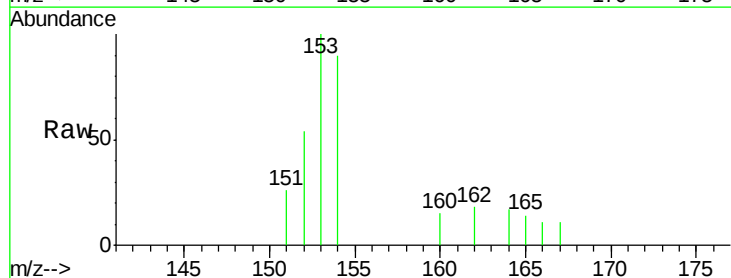
Tgt Ion:153 Resp: 652

Ion Ratio Lower Upper

153 100

152 53.5 33.9 50.9#

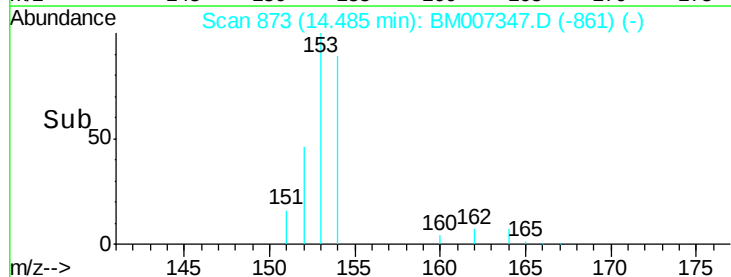
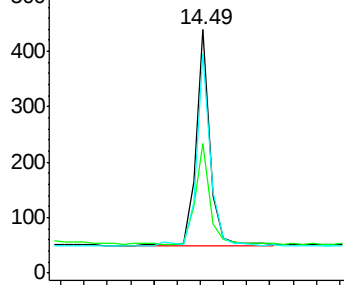
154 90.2 80.6 121.0

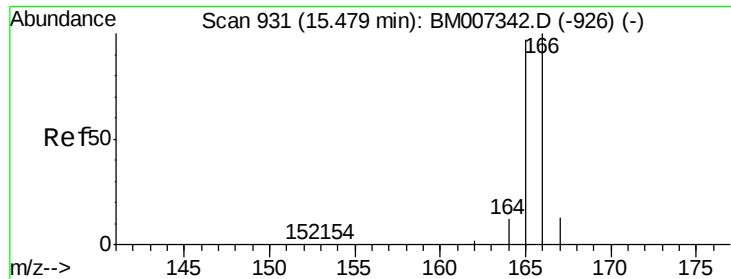


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

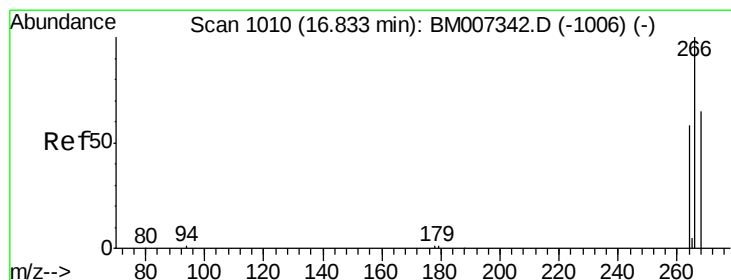
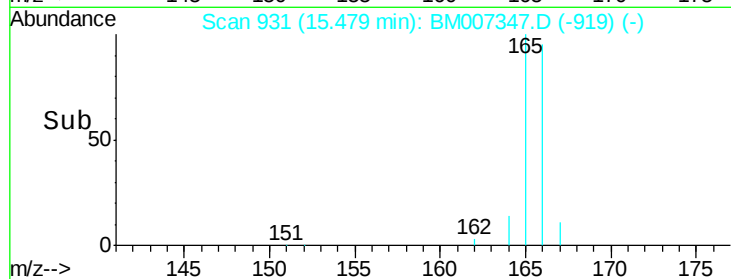
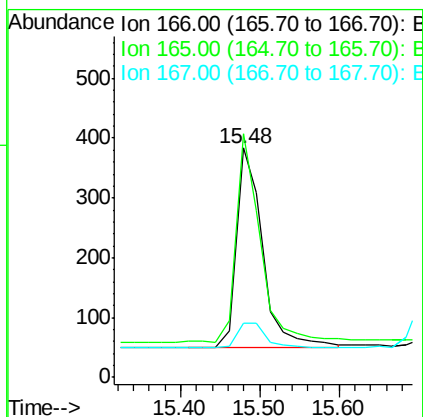
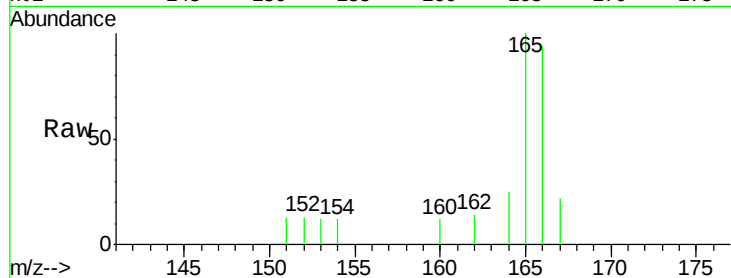




#9
Fluorene
 Concen: 0.06 ng/ul
 RT: 15.48 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BM007347.D
 Acq: 30 Aug 2016 18:05

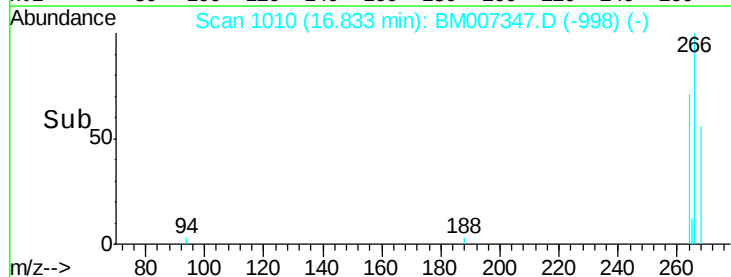
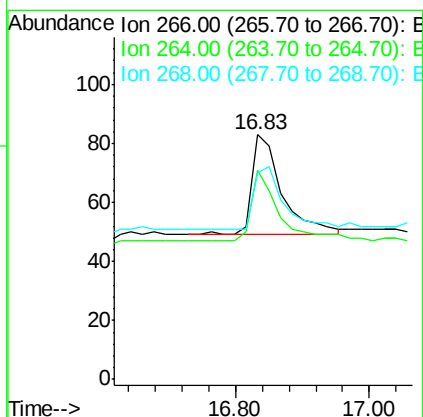
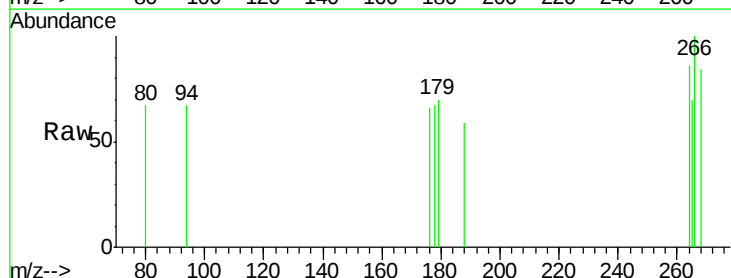
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

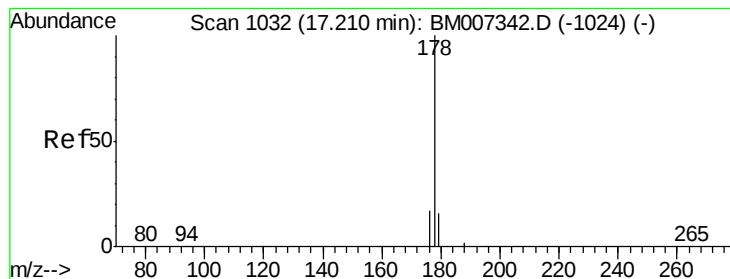
Tgt Ion:166 Resp: 763
 Ion Ratio Lower Upper
 166 100
 165 106.3 69.6 104.4#
 167 23.5 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BM007347.D
 Acq: 30 Aug 2016 18:05

Tgt Ion:266 Resp: 107
 Ion Ratio Lower Upper
 266 100
 264 63.6 51.8 77.8
 268 60.7 46.8 70.2





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

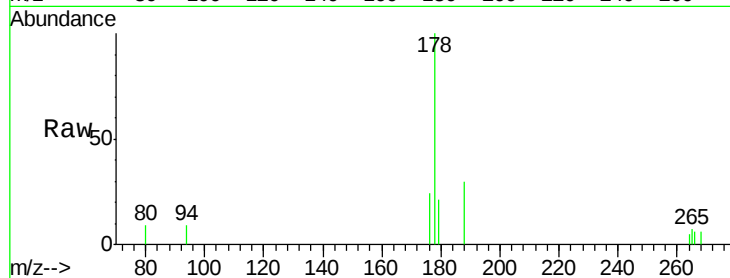
Tgt Ion:178 Resp: 1411

Ion Ratio Lower Upper

178 100

176 23.6 13.0 19.4#

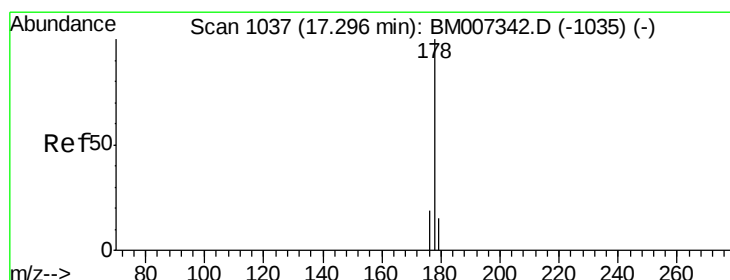
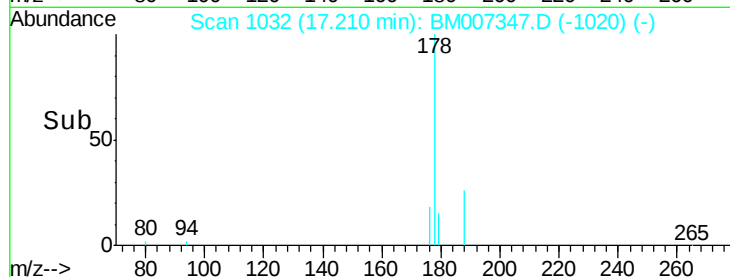
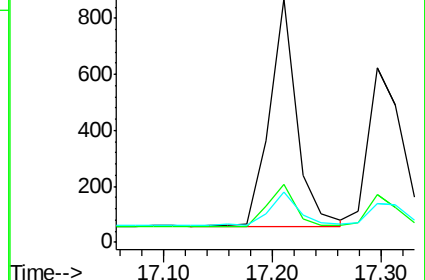
179 20.8 14.2 21.2



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: 0.05 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

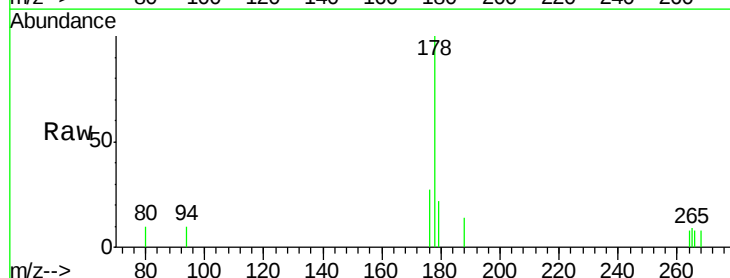
Tgt Ion:178 Resp: 1238

Ion Ratio Lower Upper

178 100

176 27.3 14.0 21.0#

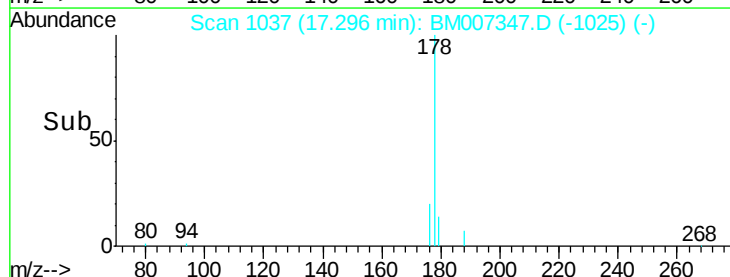
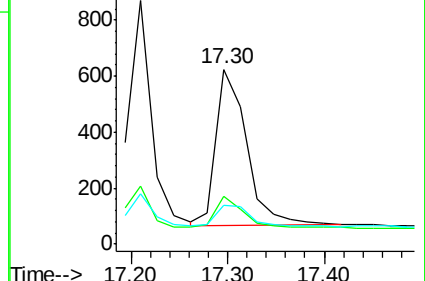
179 22.5 12.9 19.3#

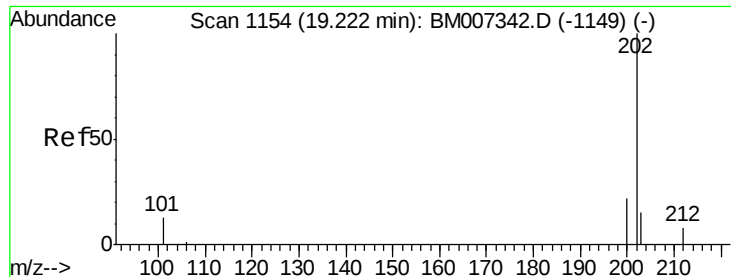


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.06 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

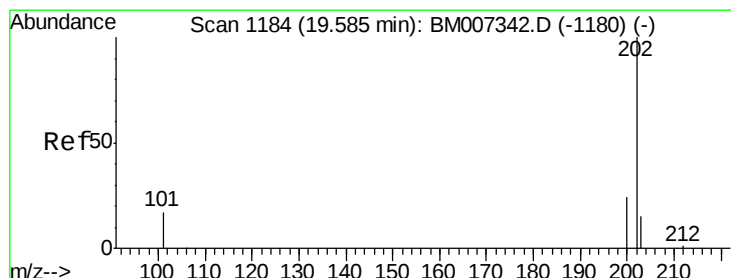
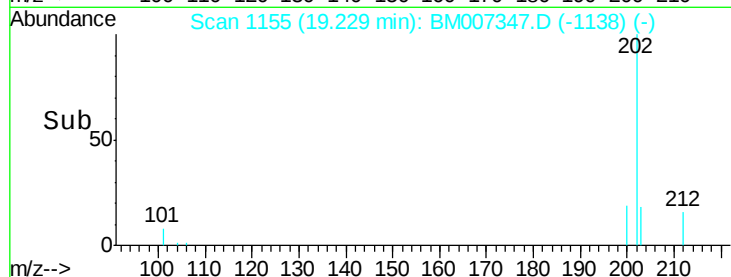
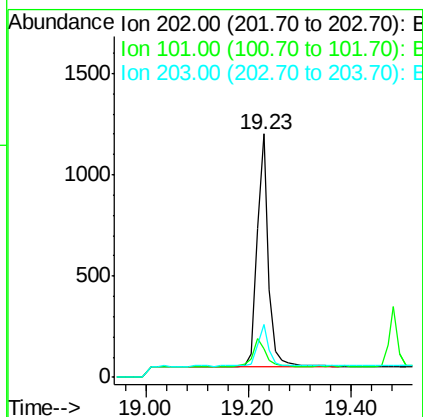
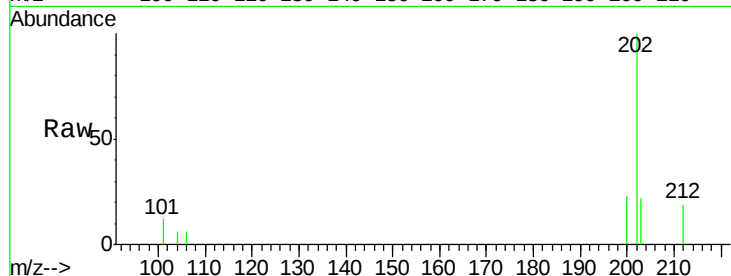
Tgt Ion:202 Resp: 1816

Ion Ratio Lower Upper

202 100

101 12.0 0.0 29.6

203 21.8 0.0 36.3



#17

Pyrene

Concen: 0.06 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

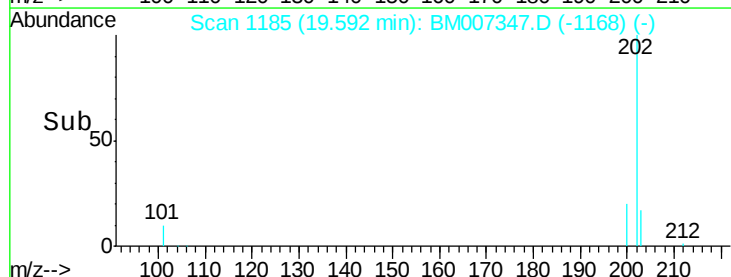
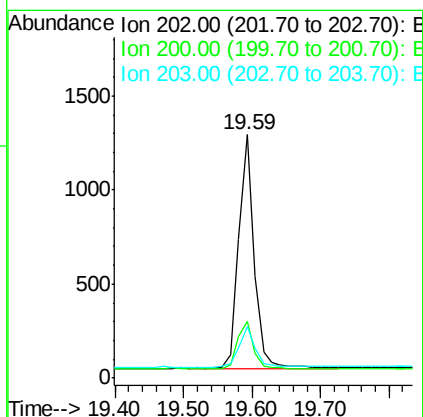
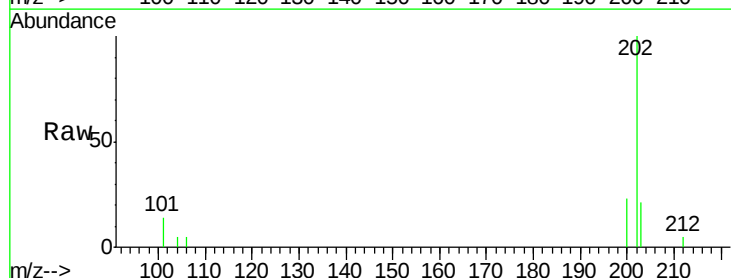
Tgt Ion:202 Resp: 1925

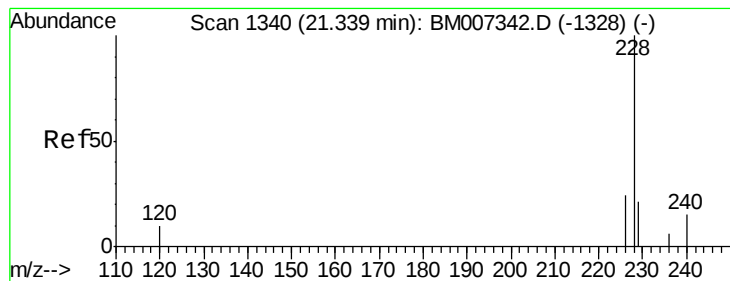
Ion Ratio Lower Upper

202 100

200 23.2 17.8 26.8

203 21.1 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

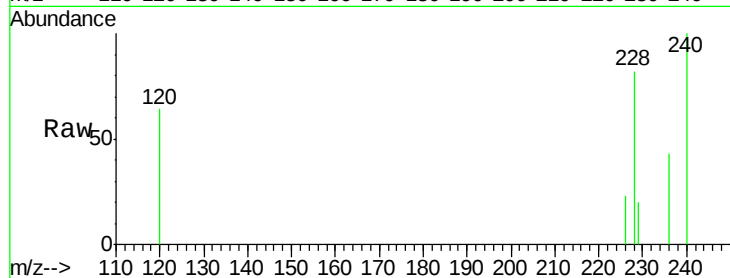
Tgt Ion:228 Resp: 1777

Ion Ratio Lower Upper

228 100

226 28.3 18.8 28.2#

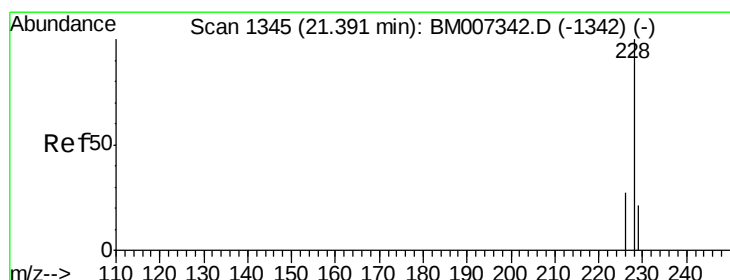
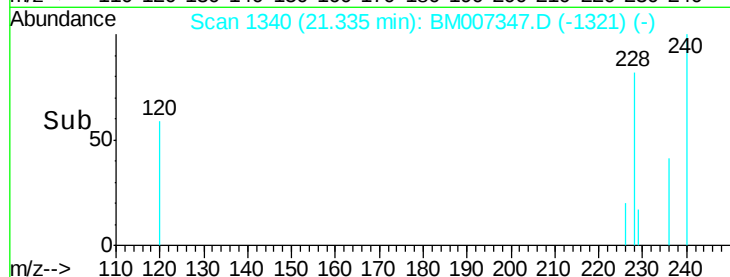
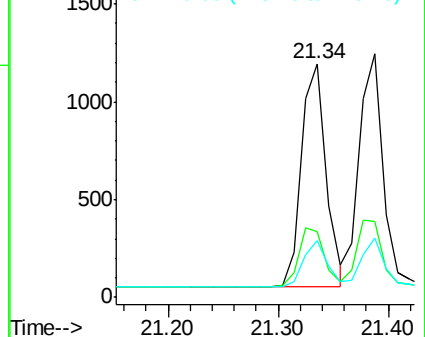
229 24.5 17.1 25.7



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: 0.06 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

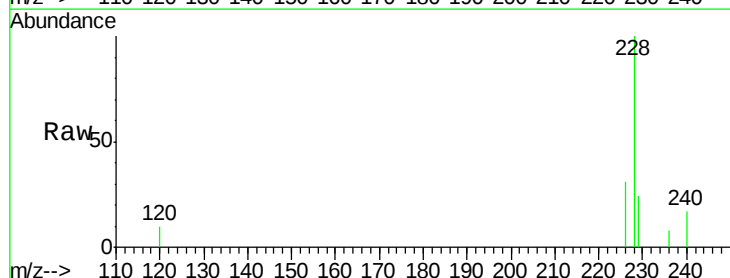
Tgt Ion:228 Resp: 1828

Ion Ratio Lower Upper

228 100

226 31.0 21.2 31.8

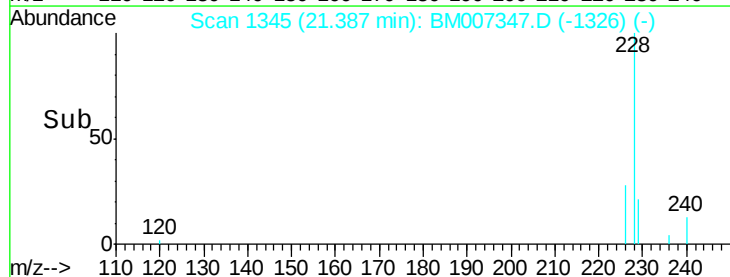
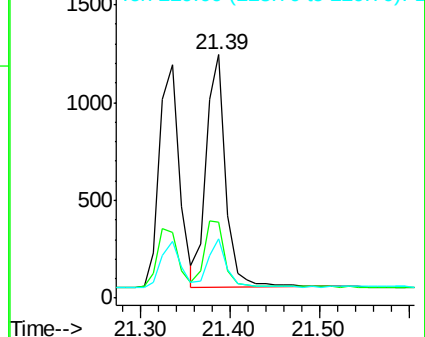
229 24.4 17.0 25.6

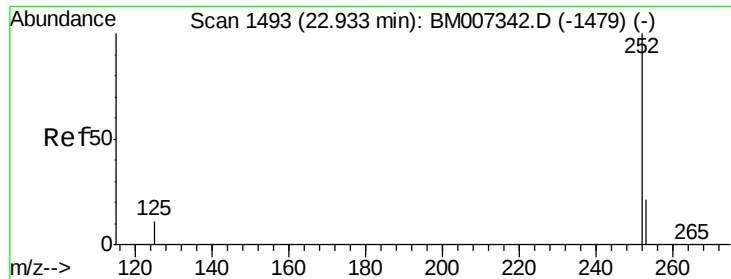


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/u1

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

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MDL-05-W

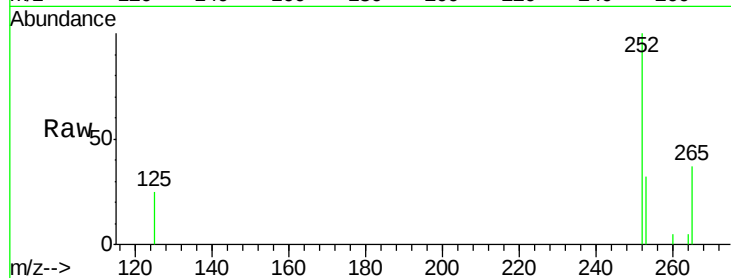
Tgt Ion:252 Resp: 1870

Ion Ratio Lower Upper

252 100

253 32.1 0.0 45.4

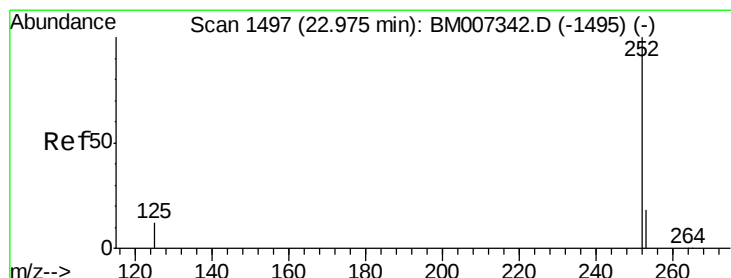
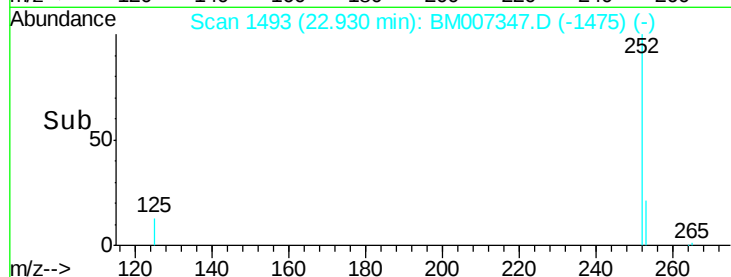
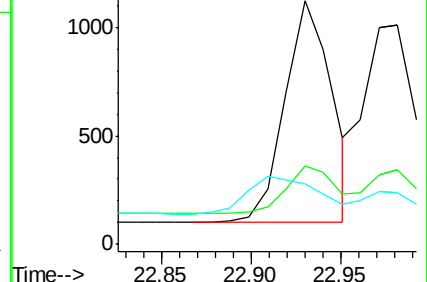
125 24.7 0.0 28.8



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: 0.06 ng/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

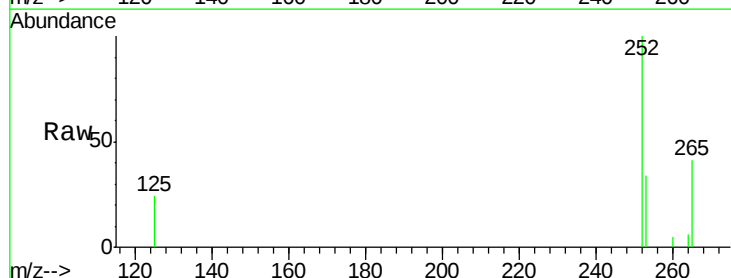
Tgt Ion:252 Resp: 1958

Ion Ratio Lower Upper

252 100

253 34.4 19.8 29.8#

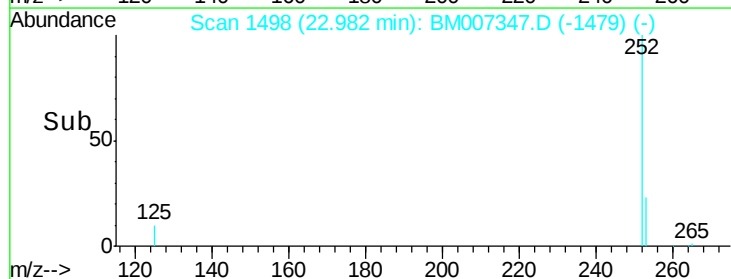
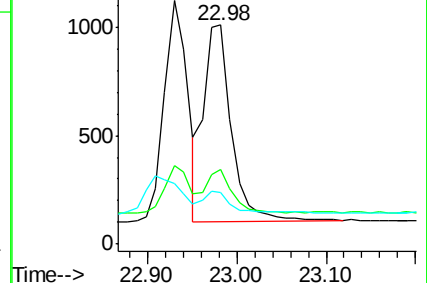
125 23.7 10.4 15.6#

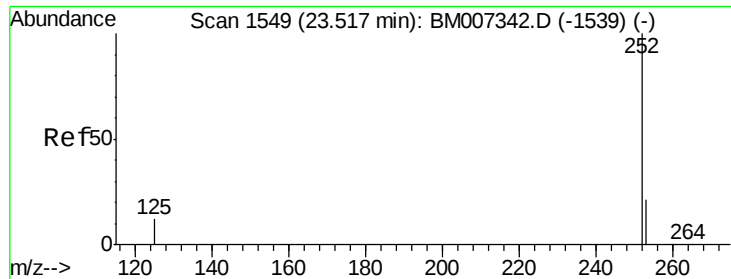


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

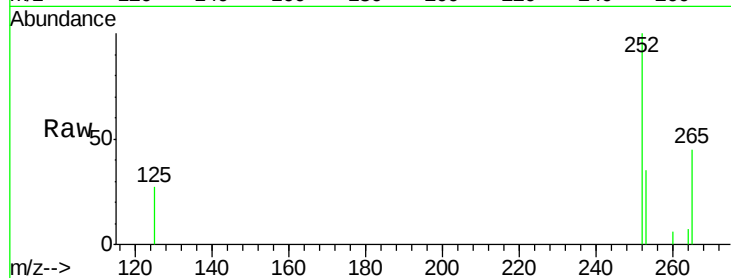
Tgt Ion: 252 Resp: 1817

Ion Ratio Lower Upper

252 100

253 35.3 19.4 29.2#

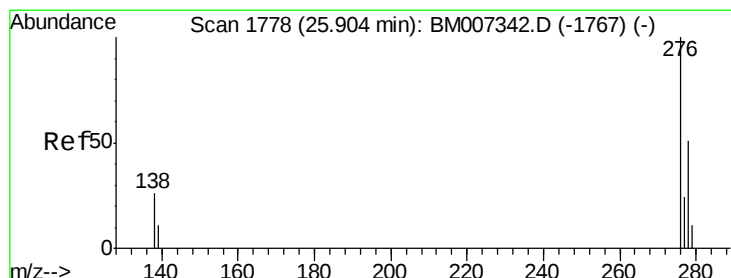
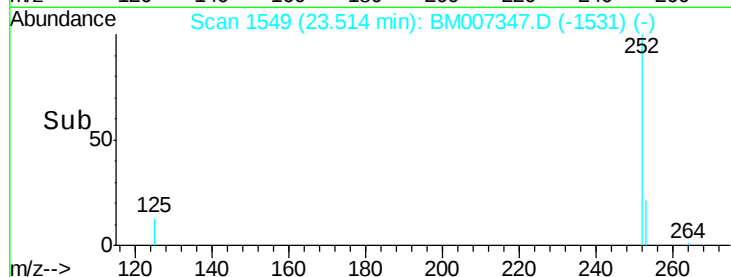
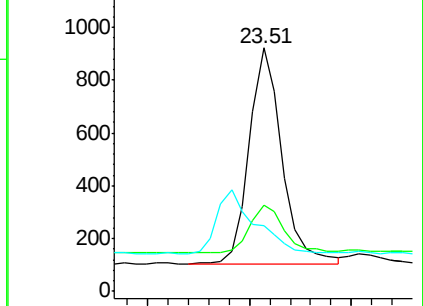
125 27.0 12.7 19.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007347.D

Acq: 30 Aug 2016 18:05

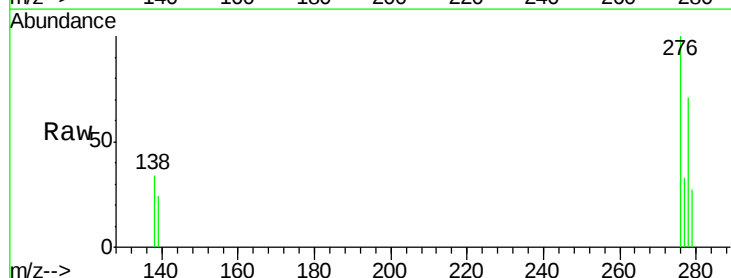
Tgt Ion: 276 Resp: 1971

Ion Ratio Lower Upper

276 100

138 26.0 16.3 24.5#

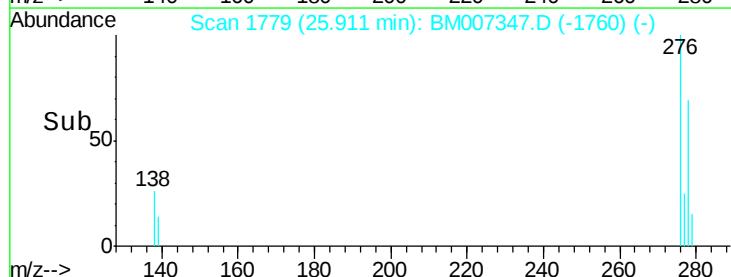
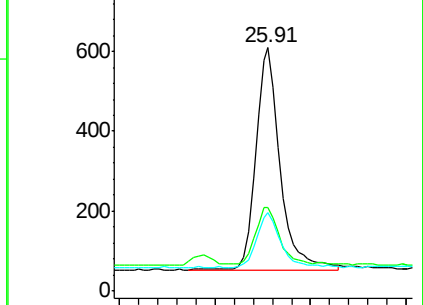
277 24.9 19.8 29.8

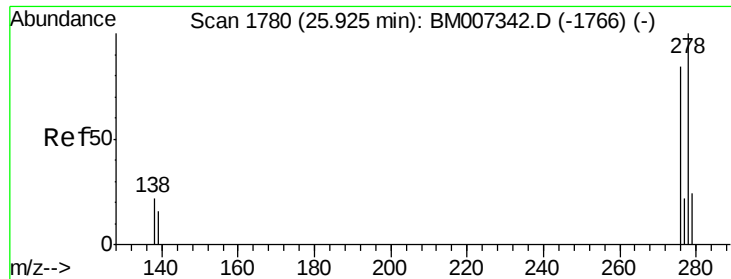


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

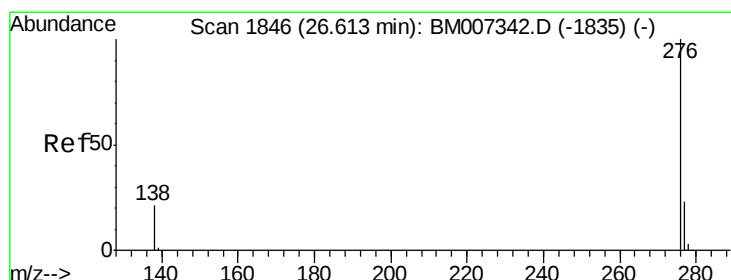
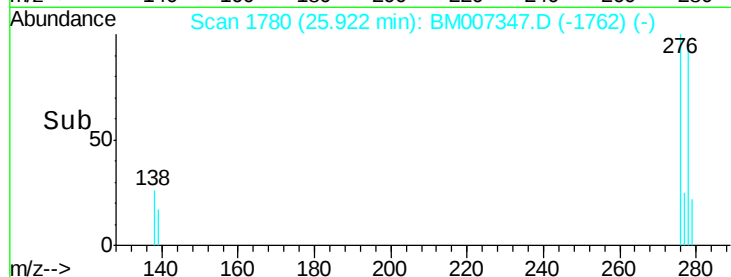
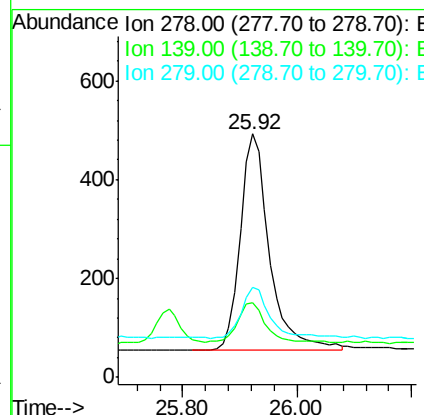
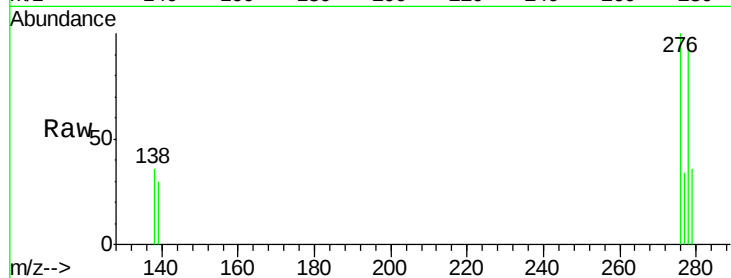




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.92 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BM007347.D
Acq: 30 Aug 2016 18:05

Instrument :
BNA_M
ClientSampleId :
MDL-05-W

Tgt Ion: 278 Resp: 1549
Ion Ratio Lower Upper
278 100
139 30.6 16.4 24.6#
279 36.9 20.2 30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.60 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BM007347.D
Acq: 30 Aug 2016 18:05

Tgt Ion: 276 Resp: 1704
Ion Ratio Lower Upper
276 100
277 31.9 18.9 28.3#
138 34.2 22.5 33.7#

