

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083016\
 Data File : BM007346.D
 Acq On : 30 Aug 2016 17:29
 Operator : UM/SJ
 Sample : MDL-04-W
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

Quant Time: Aug 30 18:06:53 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	1314	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	5750	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3947	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	10588	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	11158	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	10707	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.18	152	2067	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.20	212	6735	0.28	ng/ul	0.00

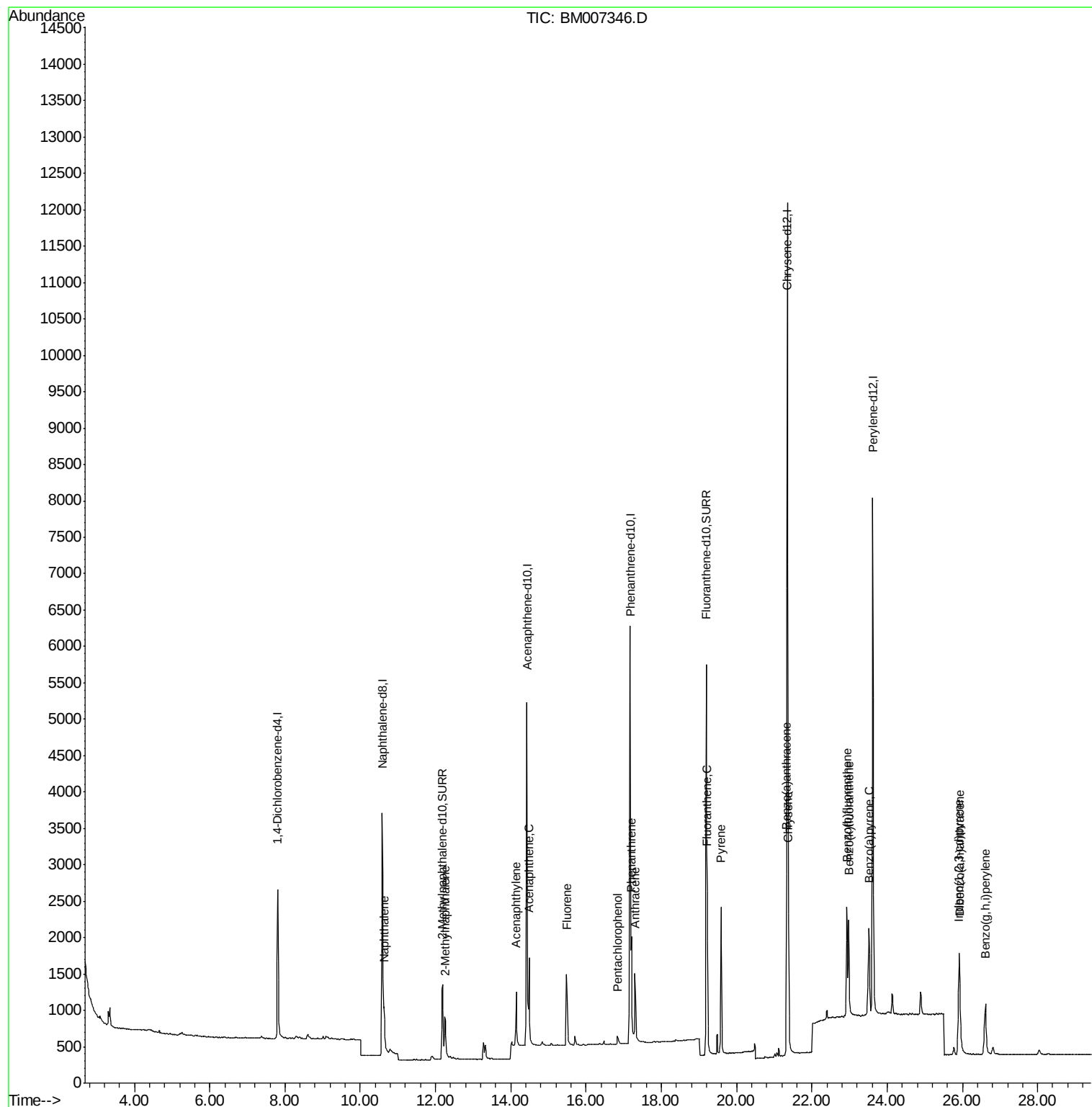
Target Compounds				Qvalue		
3) Naphthalene	10.63	128	830	0.06	ng/ul#	72
5) 2-Methylnaphthalene	12.26	142	573	0.06	ng/ul	95
7) Acenaphthylene	14.14	152	1003	0.05	ng/ul#	87
8) Acenaphthene	14.49	153	744	0.05	ng/ul#	88
9) Fluorene	15.48	166	896	0.06	ng/ul#	80
11) Pentachlorophenol	16.83	266	129	0.05	ng/ul	93
12) Phenanthrene	17.21	178	1639	0.05	ng/ul#	89
13) Anthracene	17.30	178	1445	0.05	ng/ul#	85
15) Fluoranthene	19.22	202	2029	0.06	ng/ul	87
17) Pyrene	19.59	202	2161	0.06	ng/ul	93
18) Benzo(a)anthracene	21.33	228	1979	0.06	ng/ul#	90
19) Chrysene	21.38	228	1996	0.06	ng/ul#	90
21) Benzo(b)fluoranthene	22.93	252	2028	0.05	ng/ul	81
22) Benzo(k)fluoranthene	22.98	252	2023	0.06	ng/ul#	81
23) Benzo(a)pyrene	23.52	252	1914	0.06	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.90	276	1990	0.05	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.93	278	1582	0.05	ng/ul#	78
26) Benzo(g,h,i)perylene	26.61	276	1703	0.05	ng/ul#	87

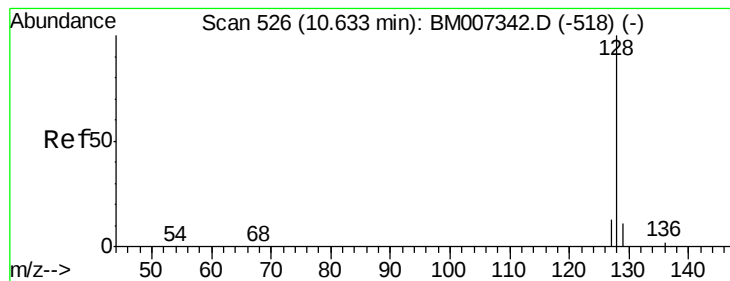
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

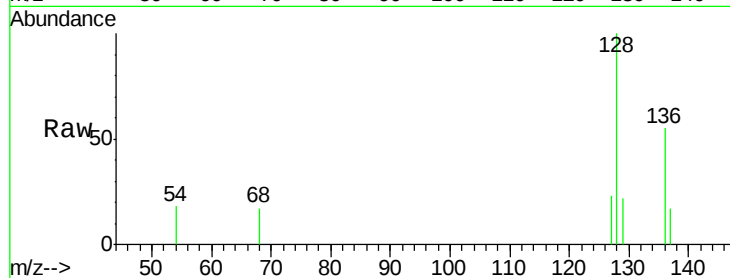
Tgt Ion:128 Resp: 830

Ion Ratio Lower Upper

128 100

129 22.1 9.0 13.6#

127 22.8 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

10.63

400

300

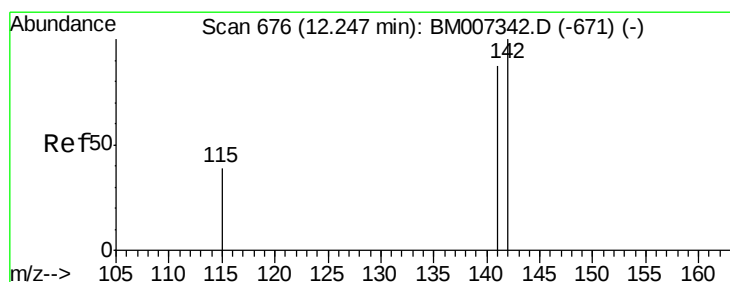
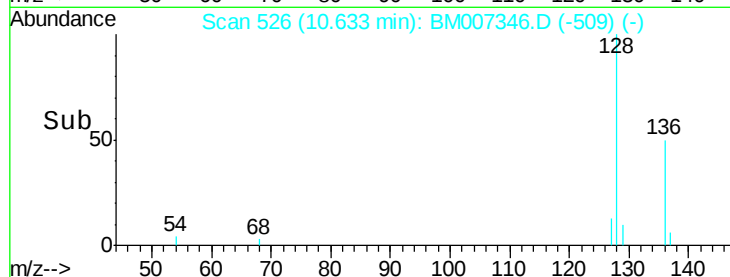
200

100

0

10.50 10.60 10.70 10.80

Time-->



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM007346.D

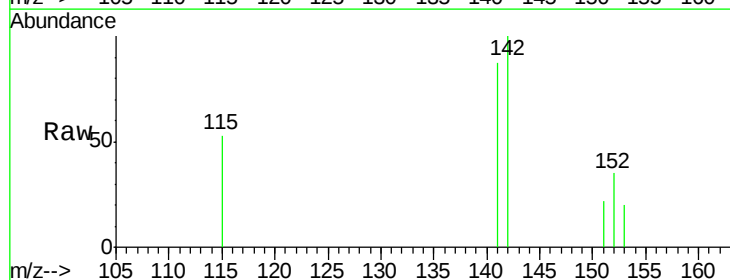
Acq: 30 Aug 2016 17:29

Tgt Ion:142 Resp: 573

Ion Ratio Lower Upper

142 100

141 92.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.26

300

250

200

150

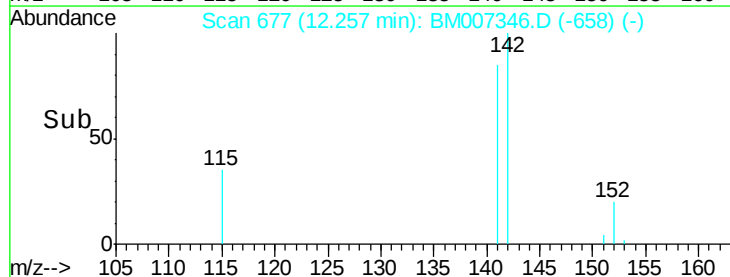
100

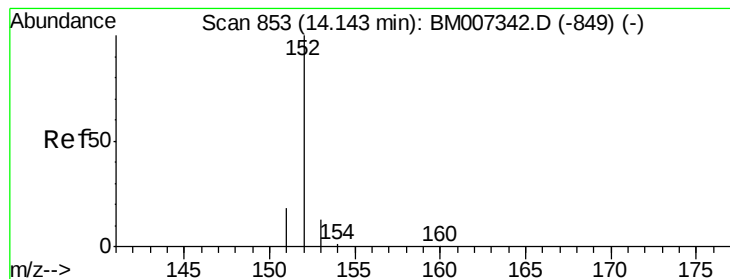
50

0

12.20 12.30 12.40

Time-->





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

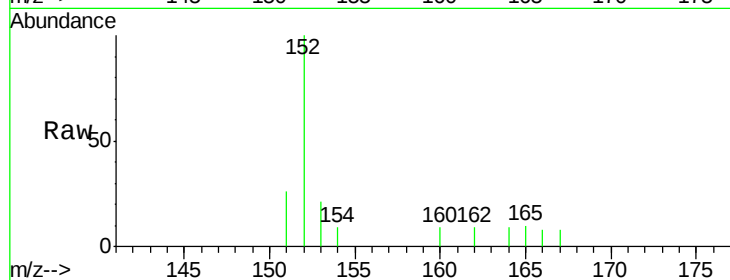
Tgt Ion:152 Resp: 1003

Ion Ratio Lower Upper

152 100

151 26.1 17.6 26.4

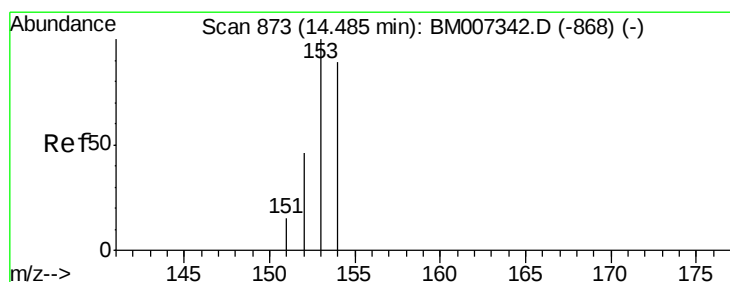
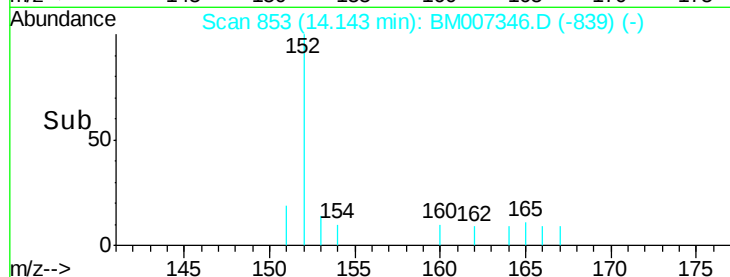
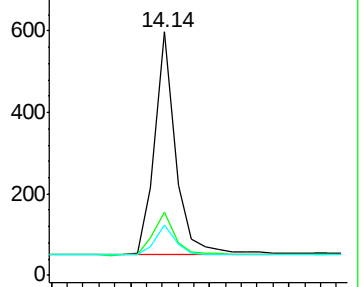
153 20.7 9.7 14.5#



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: BM007346.D

Acq: 30 Aug 2016 17:29

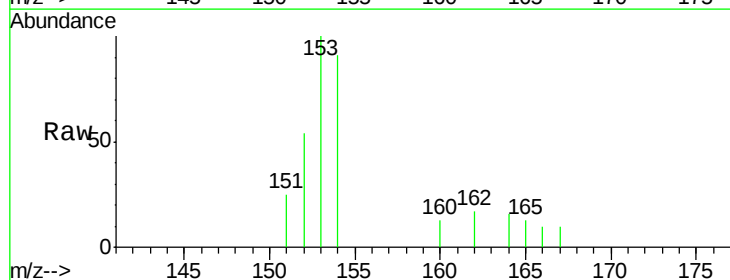
Tgt Ion:153 Resp: 744

Ion Ratio Lower Upper

153 100

152 54.0 33.9 50.9#

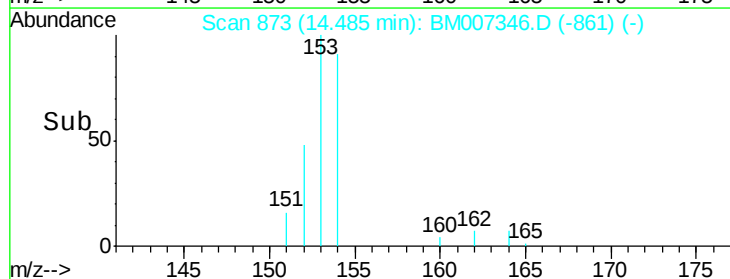
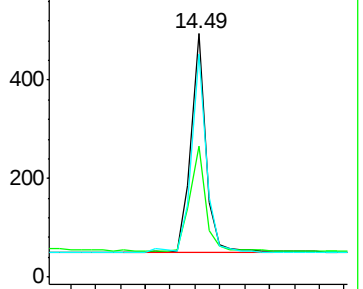
154 91.5 80.6 121.0

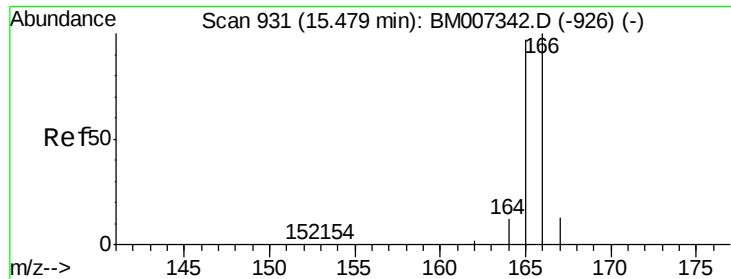


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

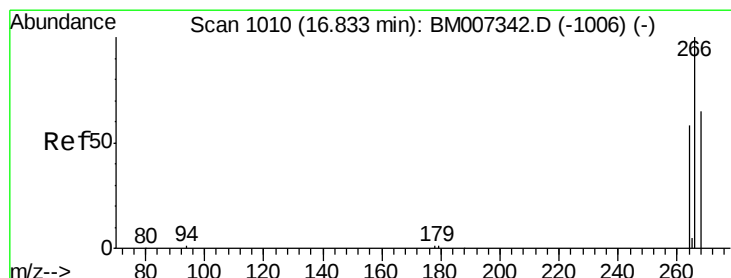
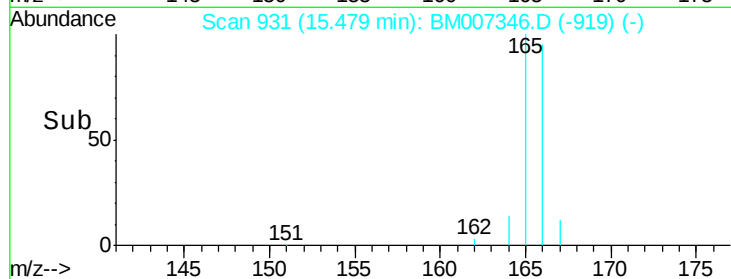
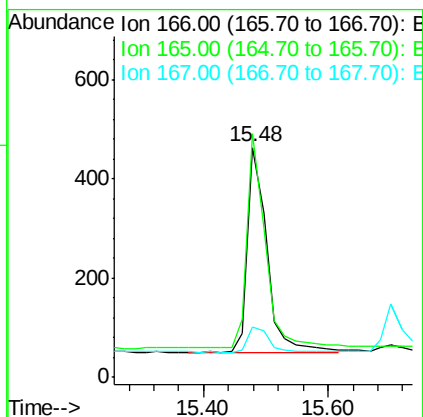
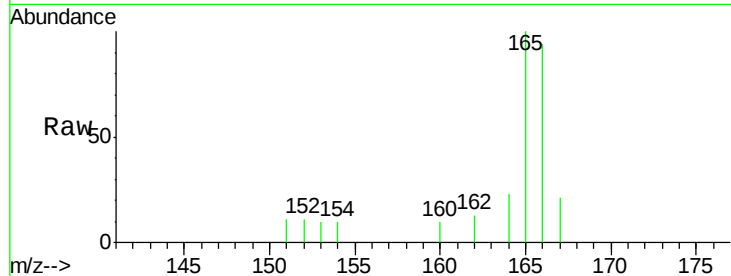




#9
Fluorene
 Concen: 0.06 ng/ul
 RT: 15.48 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BM007346.D
 Acq: 30 Aug 2016 17:29

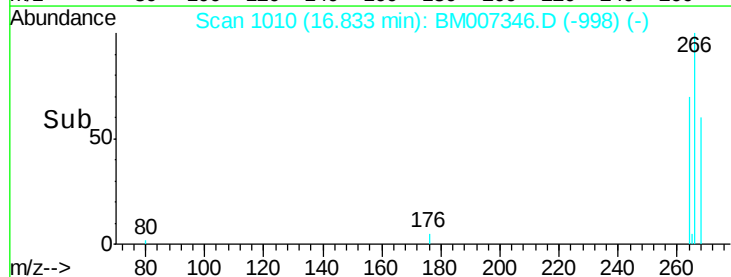
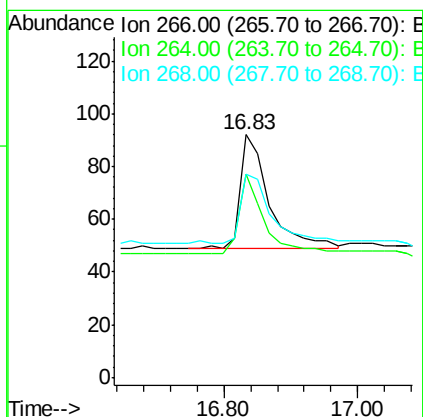
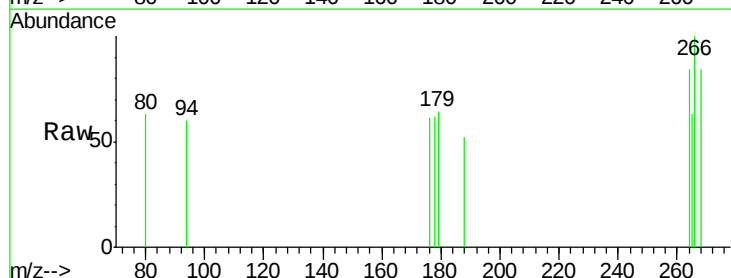
Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

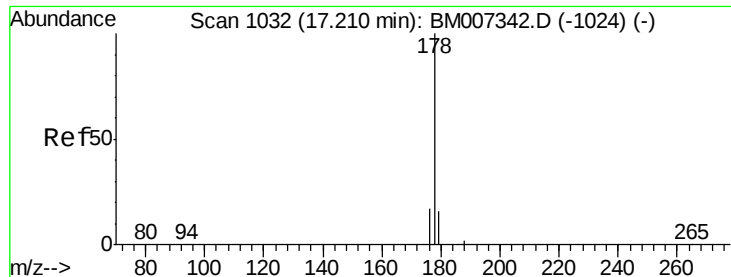
Tgt Ion:166 Resp: 896
 Ion Ratio Lower Upper
 166 100
 165 106.0 69.6 104.4#
 167 21.8 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BM007346.D
 Acq: 30 Aug 2016 17:29

Tgt Ion:266 Resp: 129
 Ion Ratio Lower Upper
 266 100
 264 59.7 51.8 77.8
 268 64.3 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: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

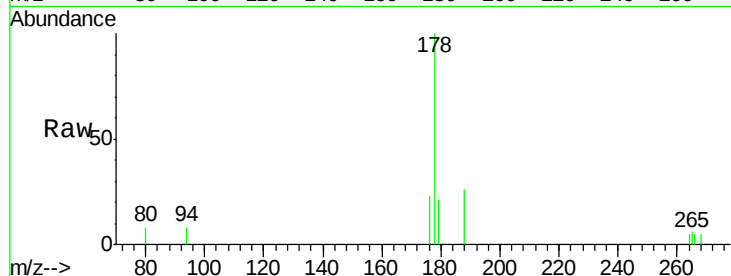
Tgt Ion:178 Resp: 1639

Ion Ratio Lower Upper

178 100

176 22.8 13.0 19.4#

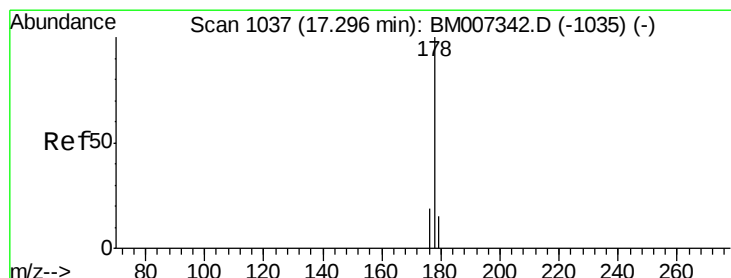
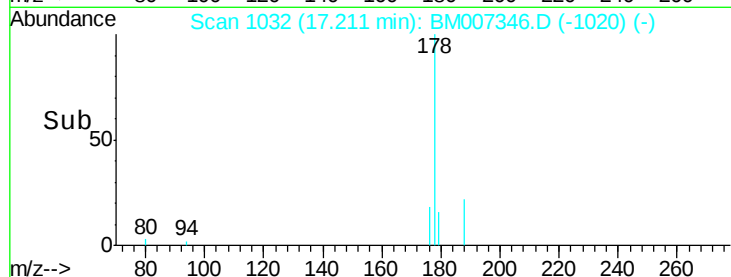
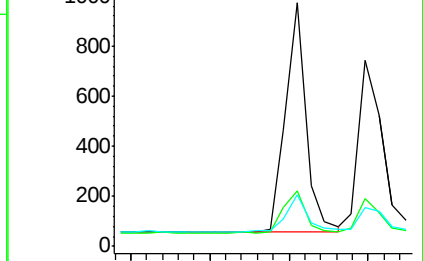
179 21.0 14.2 21.2



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: BM007346.D

Acq: 30 Aug 2016 17:29

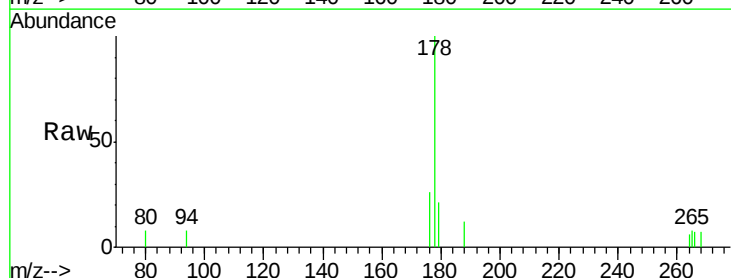
Tgt Ion:178 Resp: 1445

Ion Ratio Lower Upper

178 100

176 25.6 14.0 21.0#

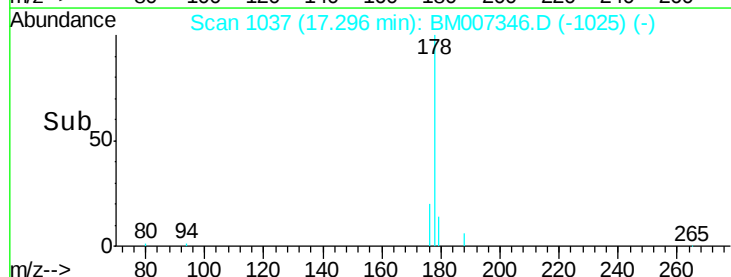
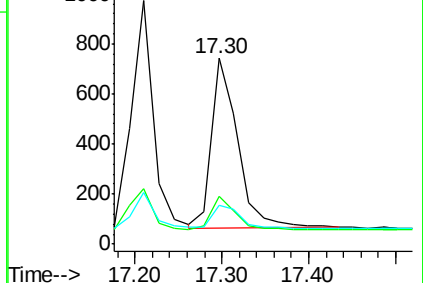
179 21.2 12.9 19.3#

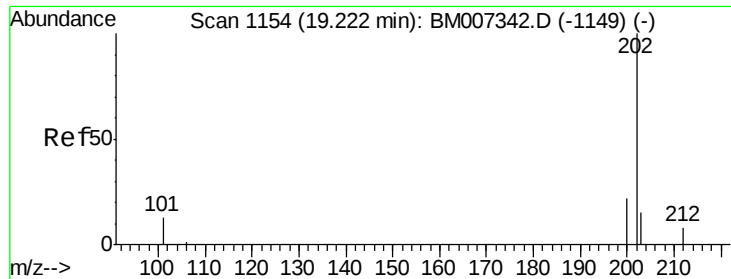


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.06 ng/ul

RT: 19.22 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

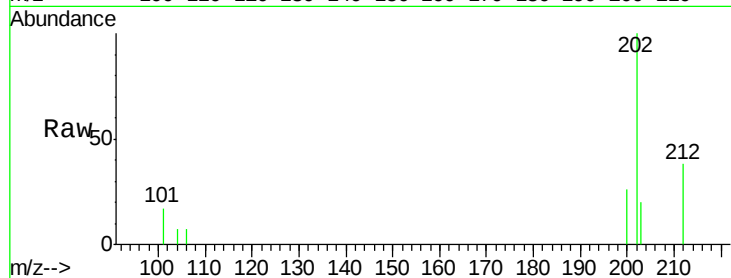
Tgt Ion:202 Resp: 2029

Ion Ratio Lower Upper

202 100

101 17.3 0.0 29.6

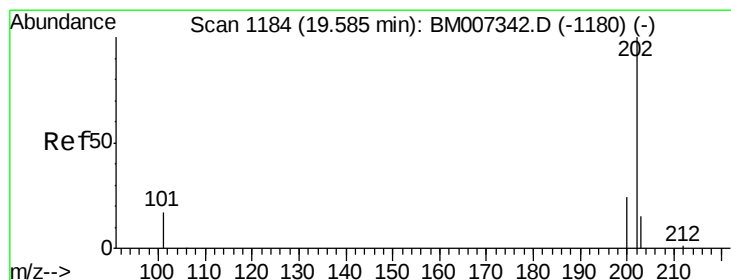
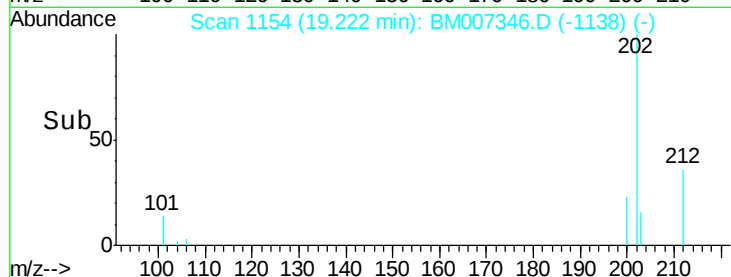
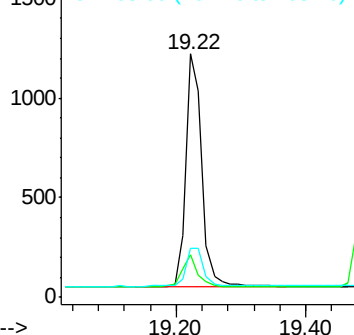
203 20.0 0.0 36.3



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: 0.06 ng/ul

RT: 19.59 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

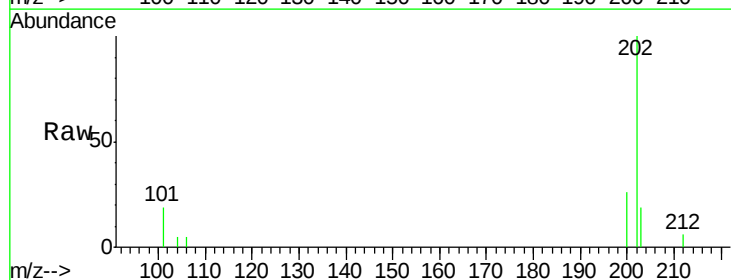
Tgt Ion:202 Resp: 2161

Ion Ratio Lower Upper

202 100

200 25.5 17.8 26.8

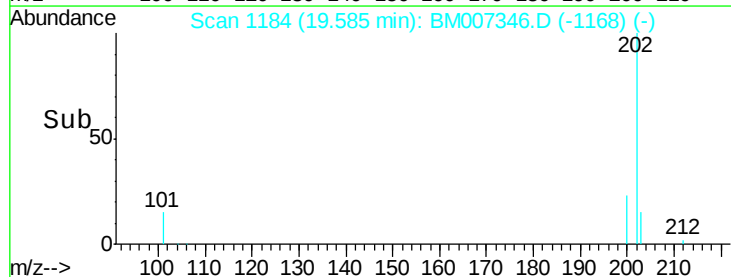
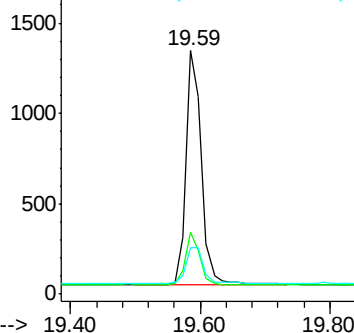
203 19.2 12.8 19.2

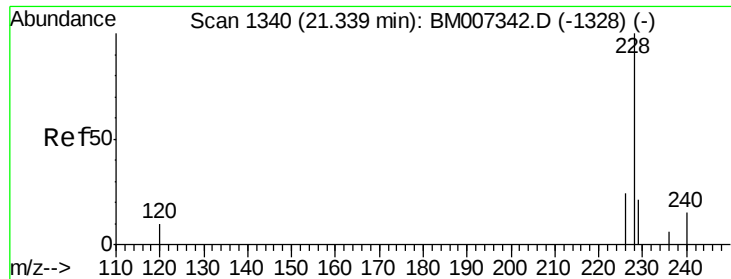


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

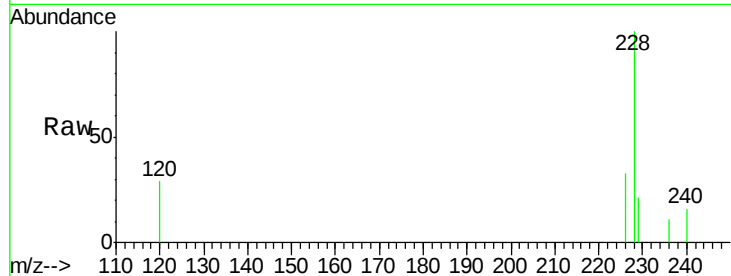
Tgt Ion:228 Resp: 1979

Ion Ratio Lower Upper

228 100

226 32.5 18.8 28.2#

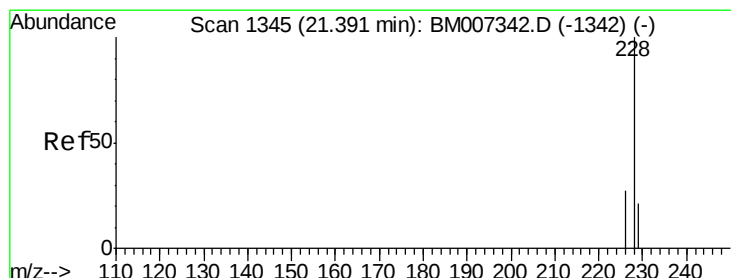
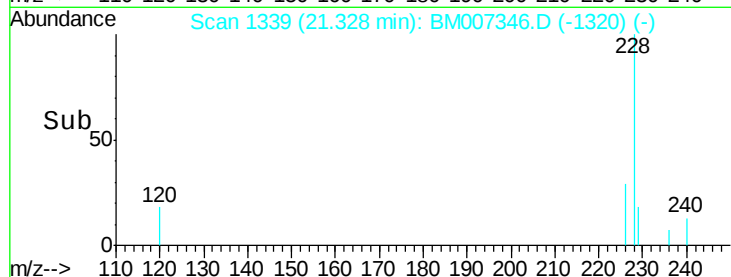
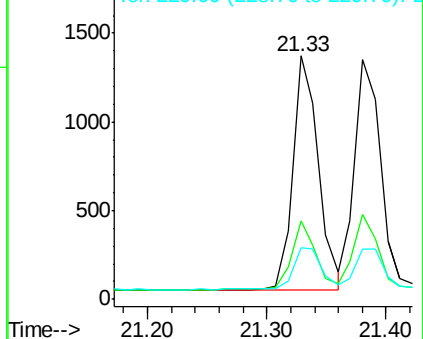
229 21.1 17.1 25.7



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: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

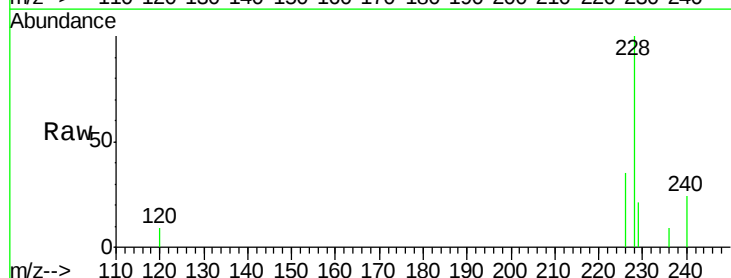
Tgt Ion:228 Resp: 1996

Ion Ratio Lower Upper

228 100

226 35.2 21.2 31.8#

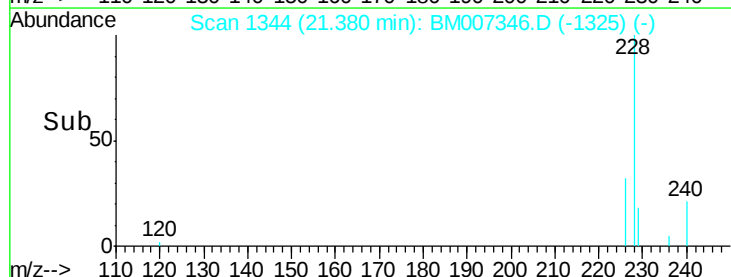
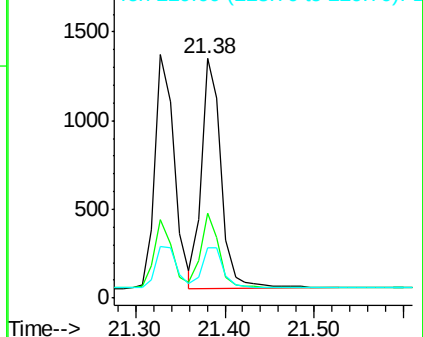
229 21.1 17.0 25.6

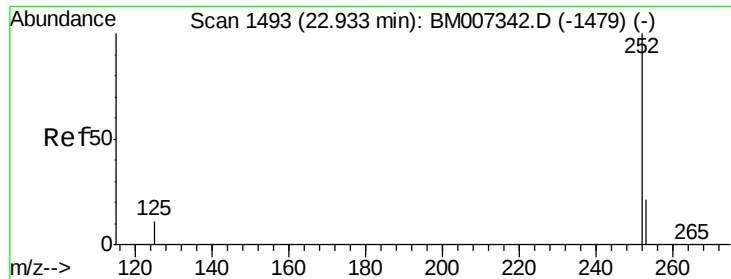


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

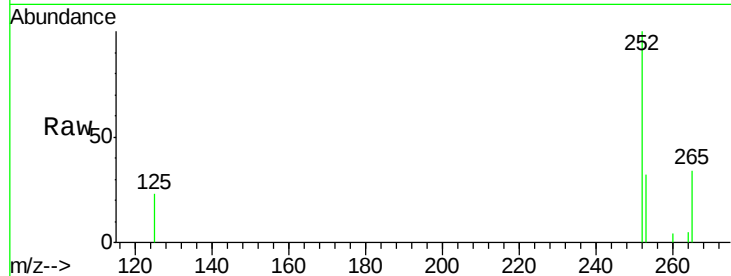
Tgt Ion:252 Resp: 2028

Ion Ratio Lower Upper

252 100

253 31.7 0.0 45.4

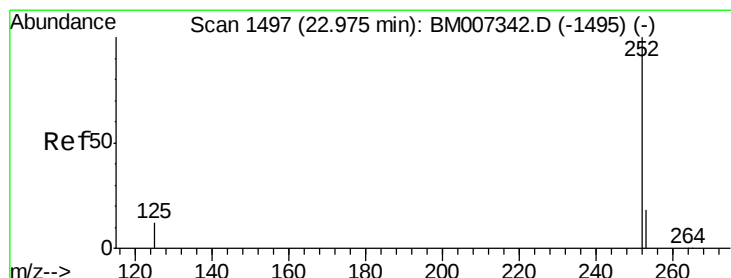
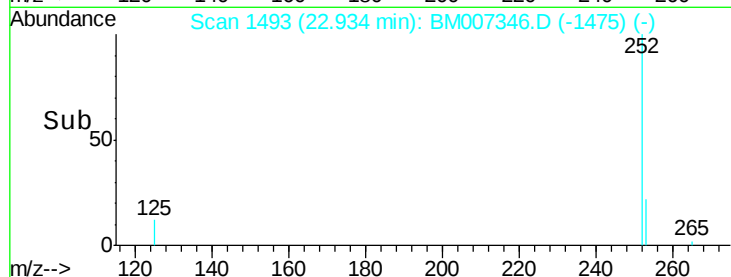
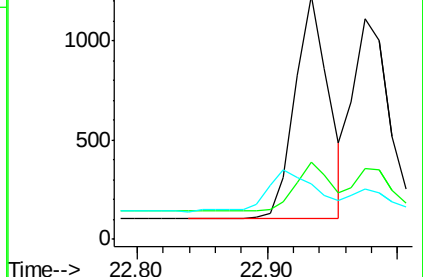
125 22.7 0.0 28.8



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# 1497

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

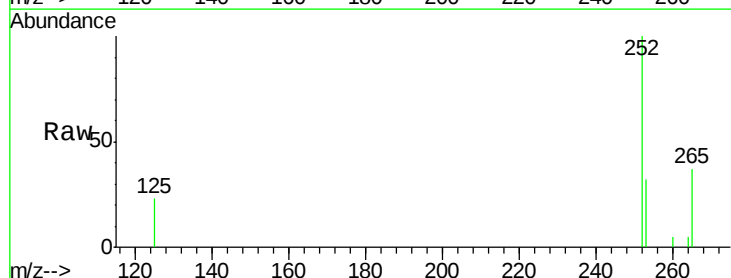
Tgt Ion:252 Resp: 2023

Ion Ratio Lower Upper

252 100

253 32.3 19.8 29.8#

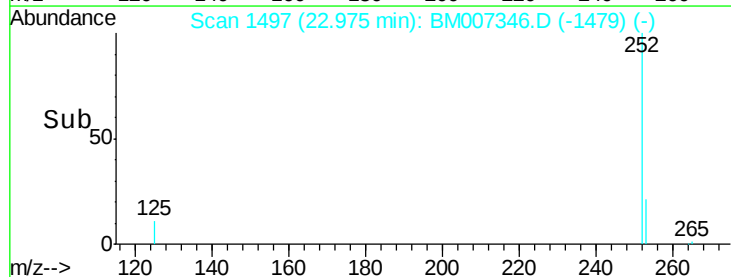
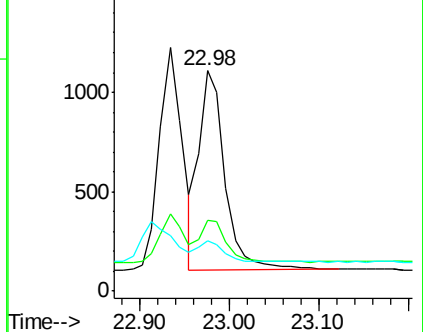
125 23.0 10.4 15.6#

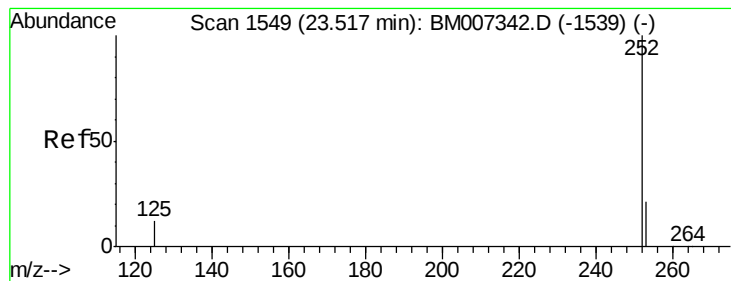


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.52 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

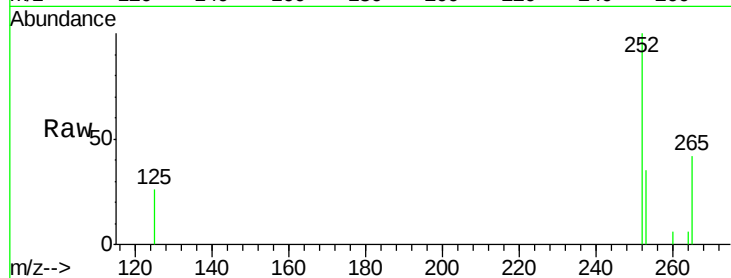
Tgt Ion:252 Resp: 1914

Ion Ratio Lower Upper

252 100

253 34.9 19.4 29.2#

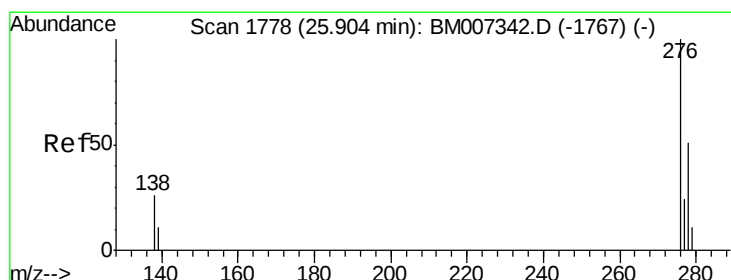
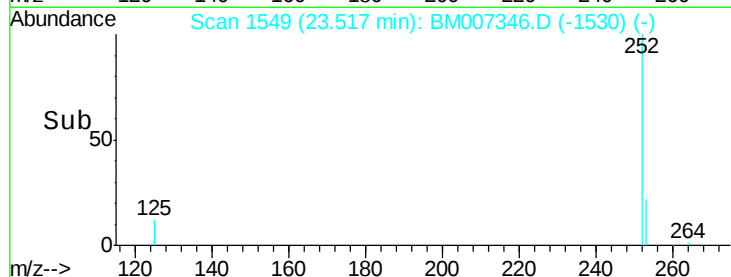
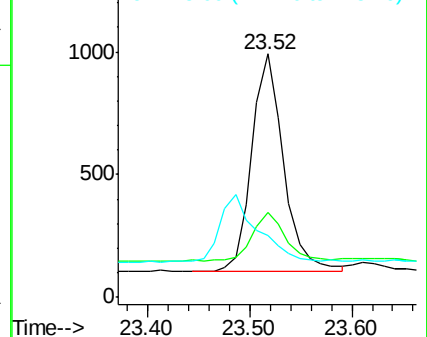
125 25.6 12.7 19.1#



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: 25.90 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BM007346.D

Acq: 30 Aug 2016 17:29

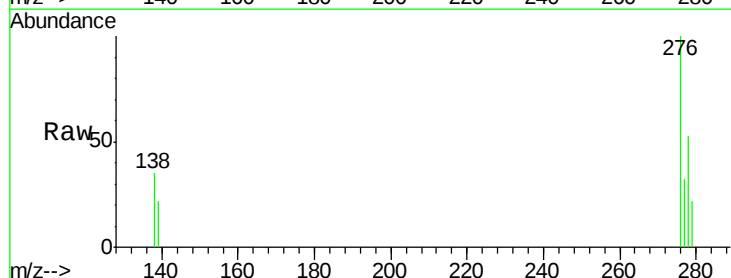
Tgt Ion:276 Resp: 1990

Ion Ratio Lower Upper

276 100

138 26.3 16.3 24.5#

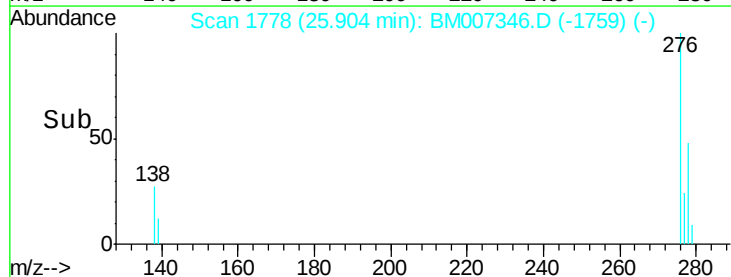
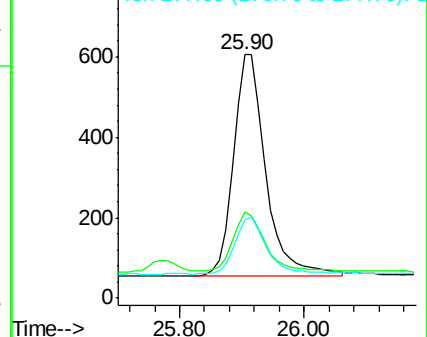
277 25.2 19.8 29.8

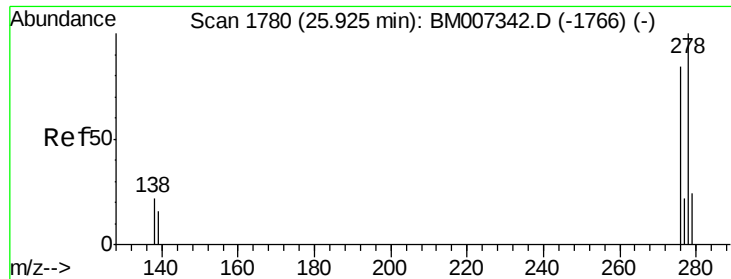


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



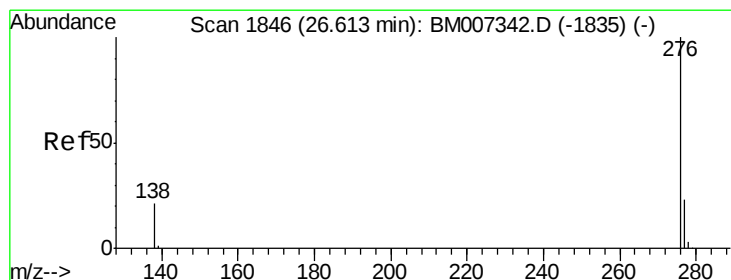
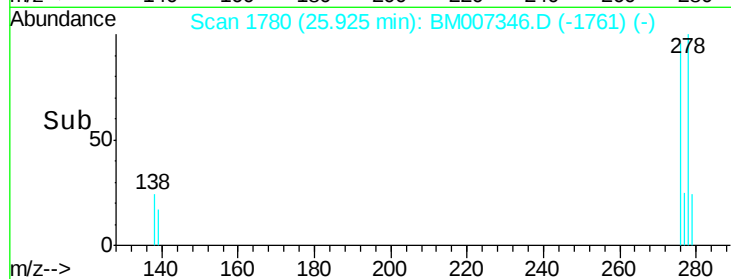
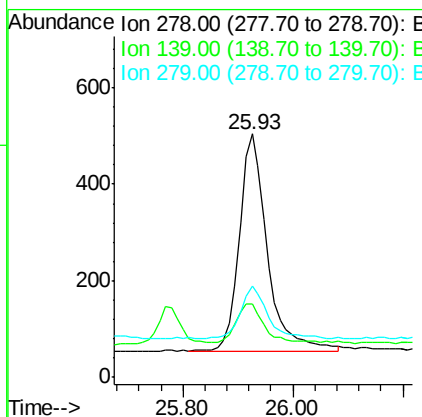
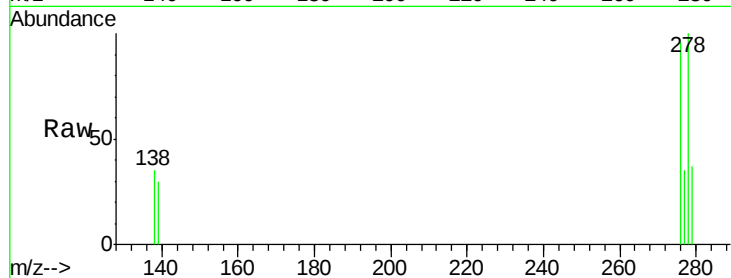


#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.93 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BM007346.D
Acq: 30 Aug 2016 17:29

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tgt Ion: 278 Resp: 1582

Ion	Ratio	Lower	Upper
278	100		
139	30.0	16.4	24.6#
279	37.3	20.2	30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.61 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BM007346.D
Acq: 30 Aug 2016 17:29

Tgt Ion: 276 Resp: 1703

Ion	Ratio	Lower	Upper
276	100		
277	33.0	18.9	28.3#
138	32.2	22.5	33.7

