

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083016\
 Data File : BM007343.D
 Acq On : 30 Aug 2016 15:40
 Operator : UM/SJ
 Sample : MDL-01-W
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Quant Time: Aug 30 17:05:12 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	1349	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	5753	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3957	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	10656	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	11248	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	10816	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	2168	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	7097	0.30	ng/ul	0.00

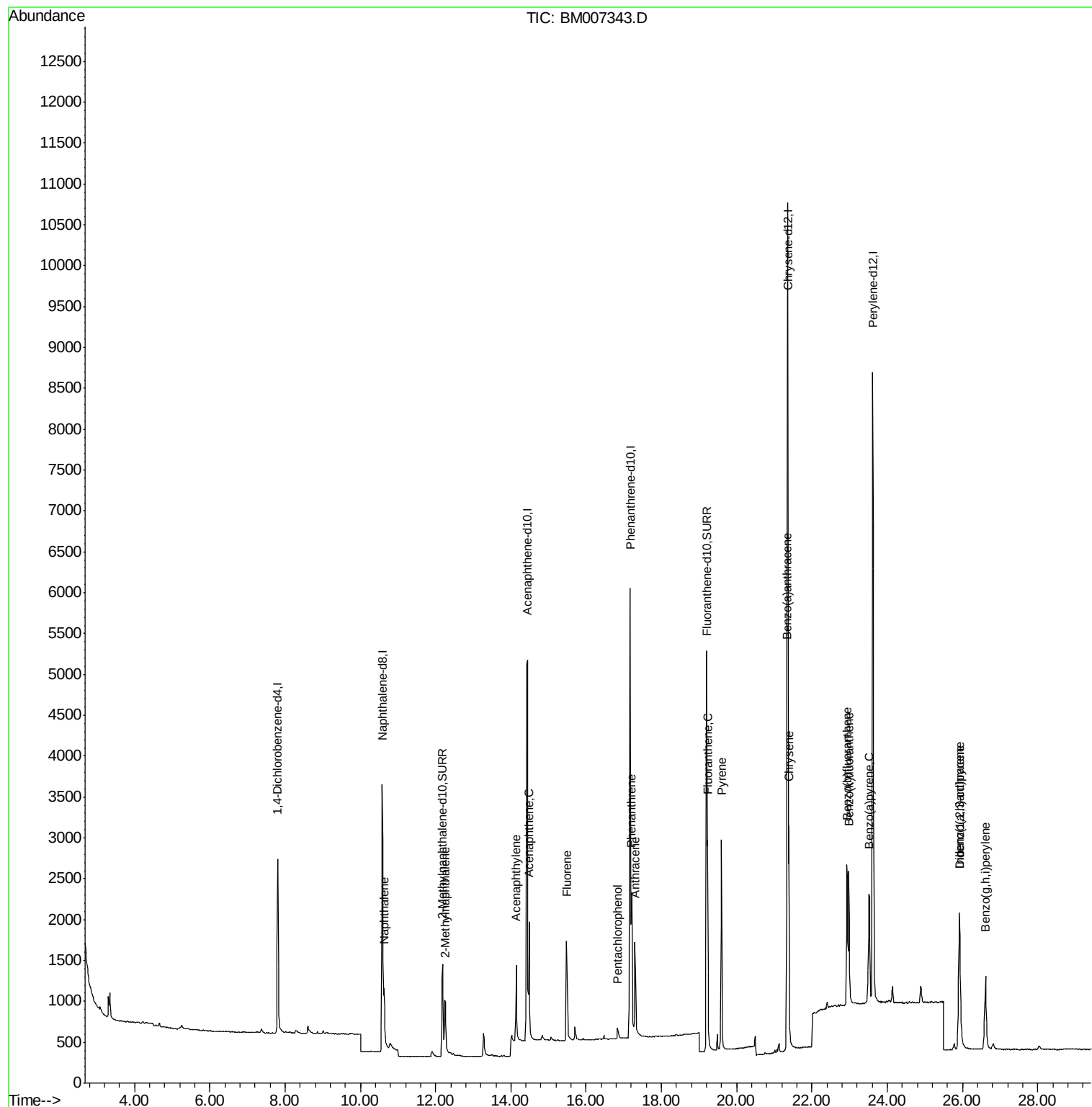
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	967	0.07	ng/ul#	75
5) 2-Methylnaphthalene	12.26	142	690	0.07	ng/ul	95
7) Acenaphthylene	14.14	152	1257	0.06	ng/ul#	90
8) Acenaphthene	14.49	153	911	0.07	ng/ul#	86
9) Fluorene	15.48	166	1078	0.07	ng/ul#	80
11) Pentachlorophenol	16.83	266	158	0.06	ng/ul	91
12) Phenanthrene	17.21	178	1964	0.06	ng/ul#	91
13) Anthracene	17.30	178	1782	0.06	ng/ul#	87
15) Fluoranthene	19.23	202	2524	0.07	ng/ul	92
17) Pyrene	19.59	202	2584	0.07	ng/ul#	95
18) Benzo(a)anthracene	21.34	228	2389	0.07	ng/ul	94
19) Chrysene	21.39	228	2438	0.07	ng/ul	95
21) Benzo(b)fluoranthene	22.93	252	2679	0.07	ng/ul	82
22) Benzo(k)fluoranthene	22.98	252	2269	0.07	ng/ul#	84
23) Benzo(a)pyrene	23.51	252	2319	0.07	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.91	276	2462	0.06	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.92	278	1945	0.06	ng/ul#	81
26) Benzo(g,h,i)perylene	26.61	276	2065	0.06	ng/ul#	89

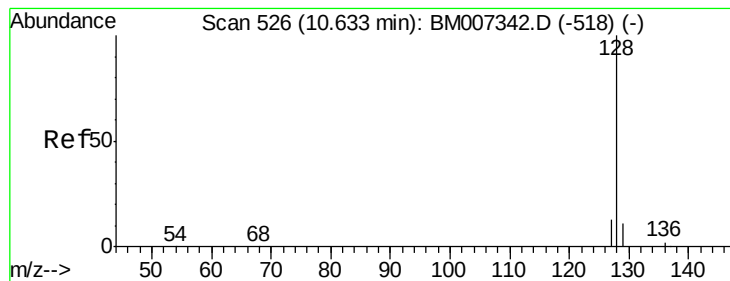
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

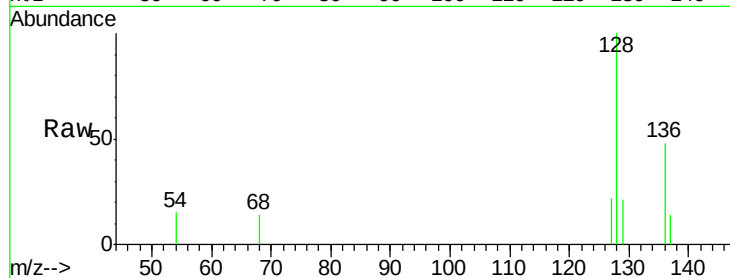
Tgt Ion:128 Resp: 967

Ion Ratio Lower Upper

128 100

129 20.8 9.0 13.6#

127 21.8 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

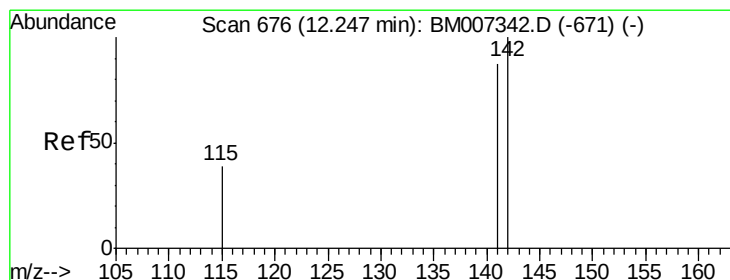
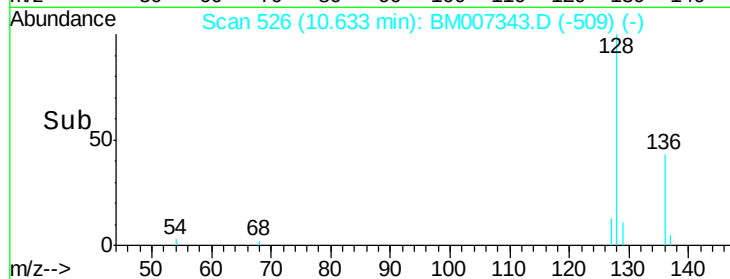
10.63

400

200

0

Time--> 10.50 10.60 10.70 10.80



#5

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM007343.D

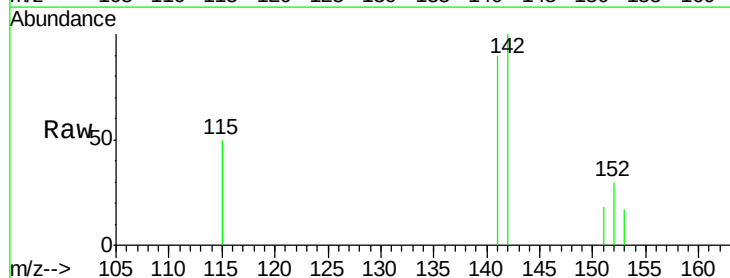
Acq: 30 Aug 2016 15:40

Tgt Ion:142 Resp: 690

Ion Ratio Lower Upper

142 100

141 92.6 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

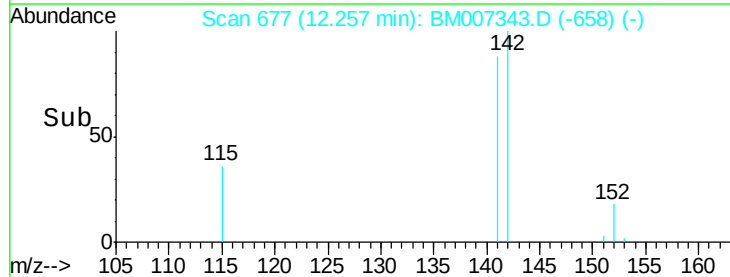
300

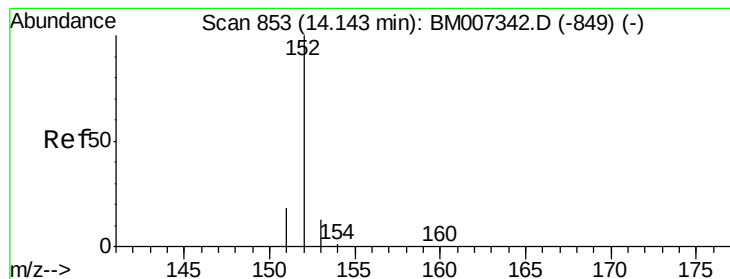
200

100

0

Time--> 12.20 12.30 12.40





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

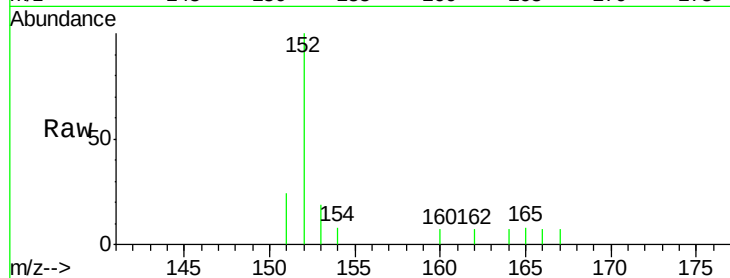
Instrument :

BNA_M

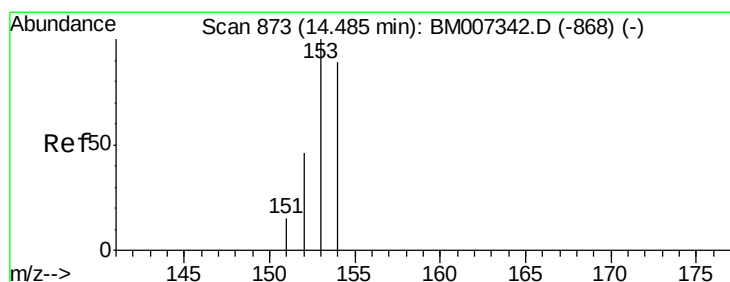
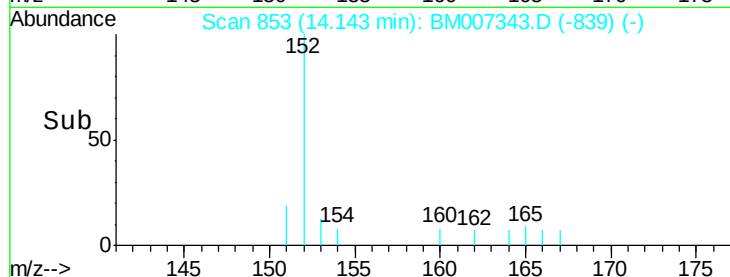
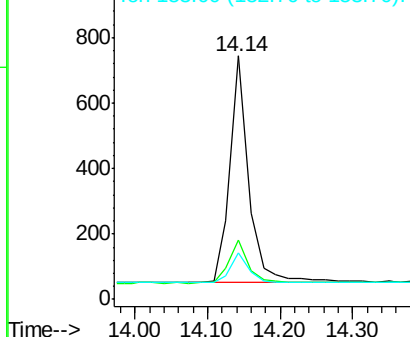
ClientSampleId :

MDL-01-W

Tgt Ion:	152	Resp:	1257
Ion	Ratio	Lower	Upper
152	100		
151	24.5	17.6	26.4
153	19.0	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: 0.07 ng/ul

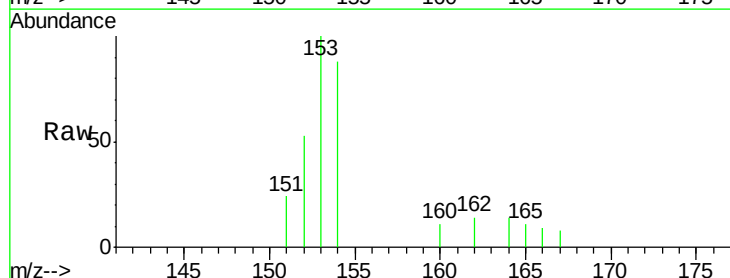
RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

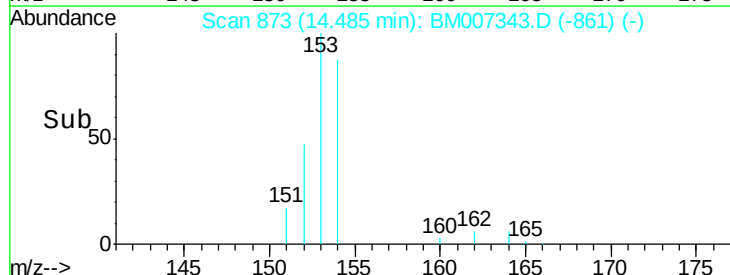
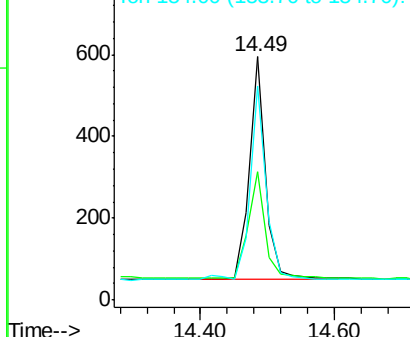
Lab File: BM007343.D

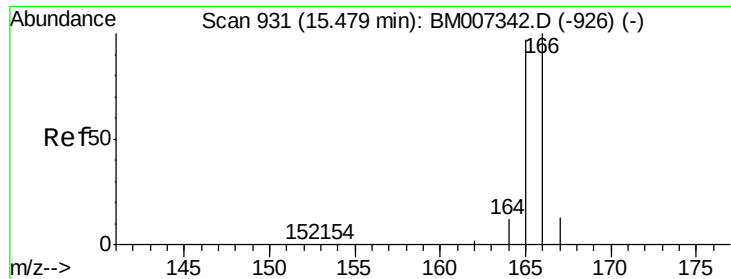
Acq: 30 Aug 2016 15:40

Tgt Ion:	153	Resp:	911
Ion	Ratio	Lower	Upper
153	100		
152	52.8	33.9	50.9#
154	88.1	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

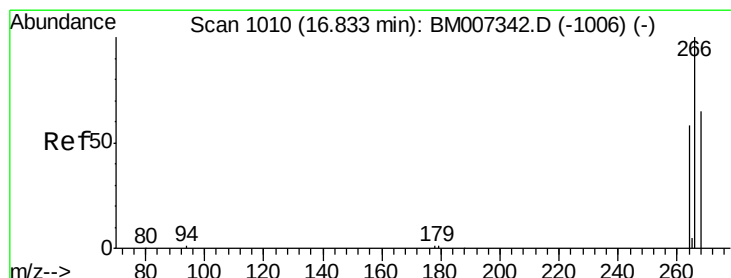
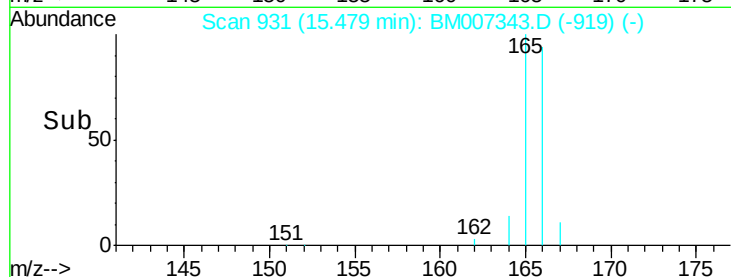
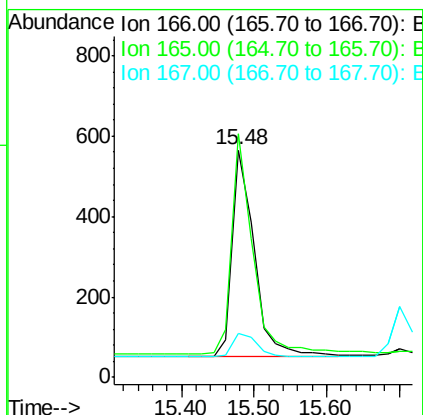
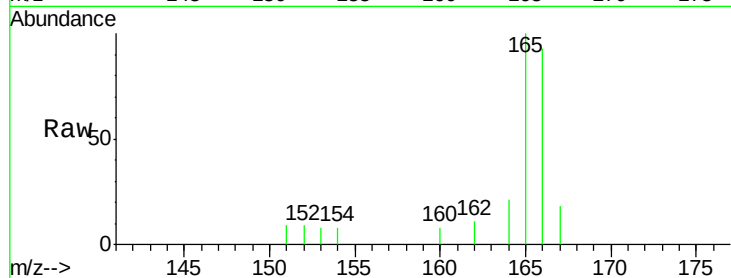




#9
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.48 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BM007343.D
 Acq: 30 Aug 2016 15:40

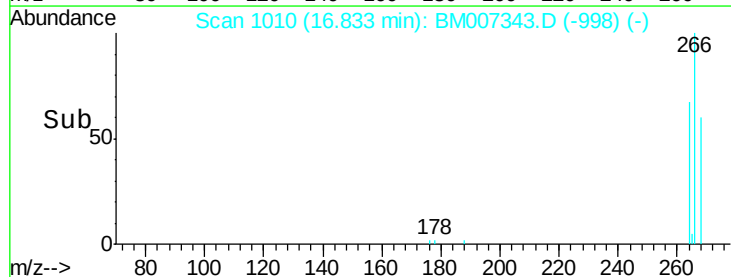
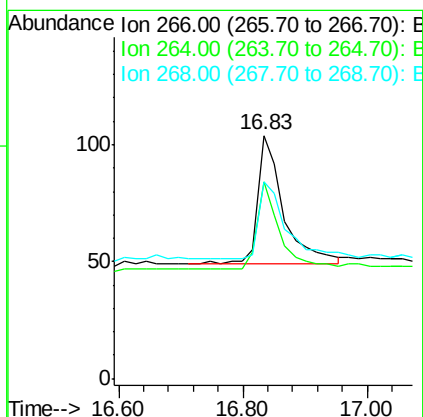
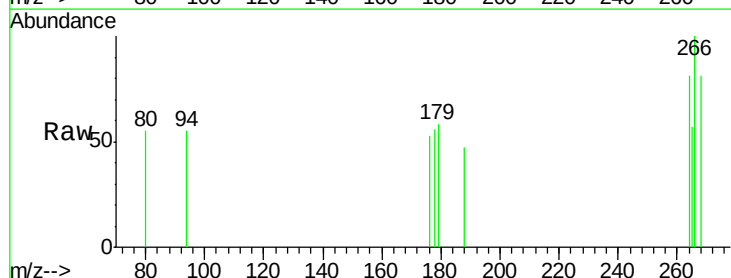
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

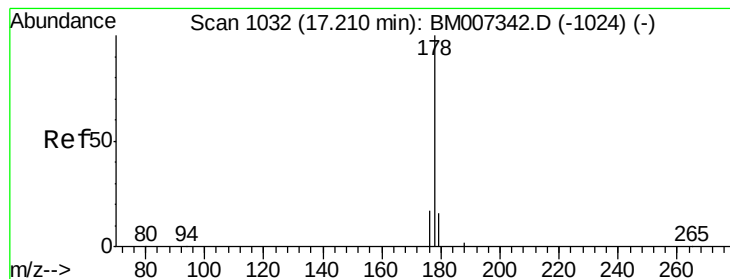
Tgt Ion:166 Resp: 1078
 Ion Ratio Lower Upper
 166 100
 165 107.1 69.6 104.4#
 167 19.4 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BM007343.D
 Acq: 30 Aug 2016 15:40

Tgt Ion:266 Resp: 158
 Ion Ratio Lower Upper
 266 100
 264 58.9 51.8 77.8
 268 65.8 46.8 70.2





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

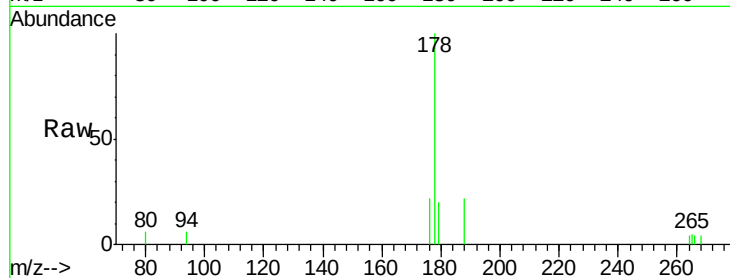
Tgt Ion:178 Resp: 1964

Ion Ratio Lower Upper

178 100

176 21.7 13.0 19.4#

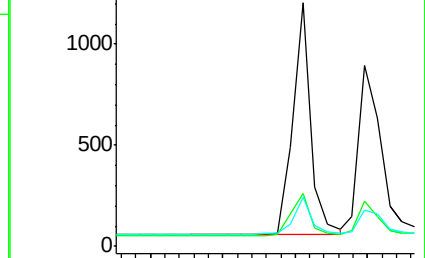
179 20.1 14.2 21.2



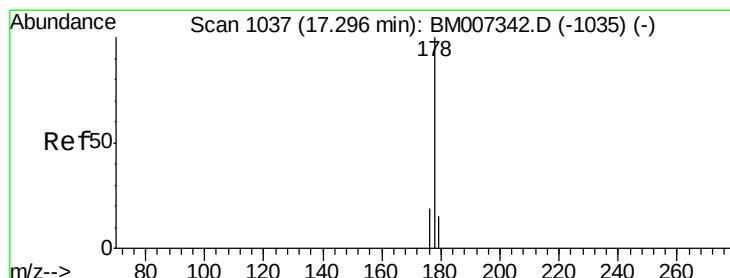
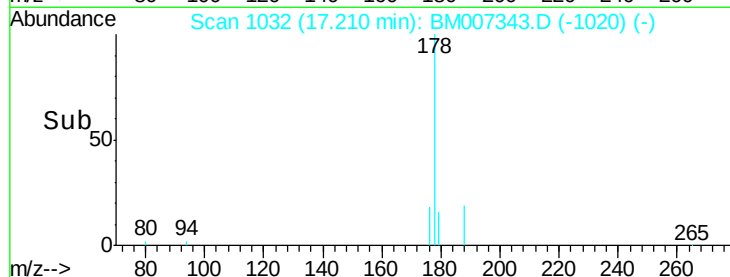
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

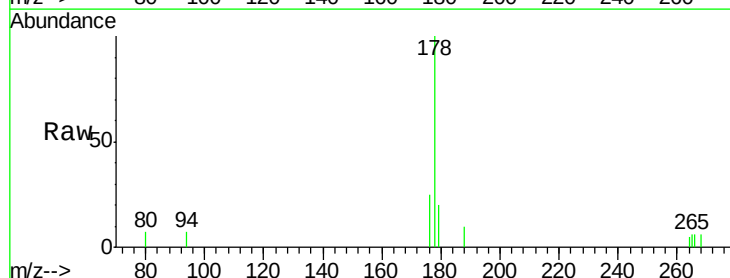
Tgt Ion:178 Resp: 1782

Ion Ratio Lower Upper

178 100

176 24.7 14.0 21.0#

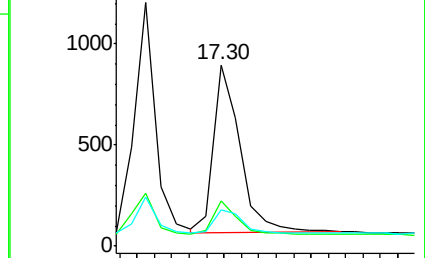
179 19.8 12.9 19.3#



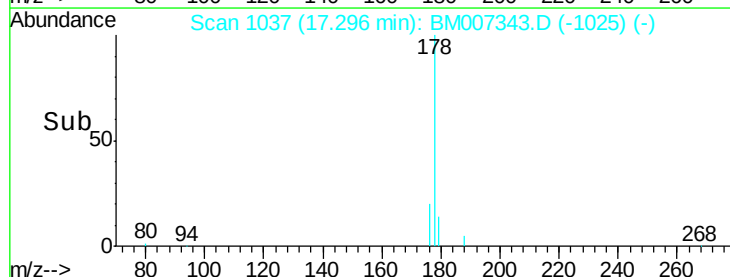
Abundance Ion 178.00 (177.70 to 178.70): E

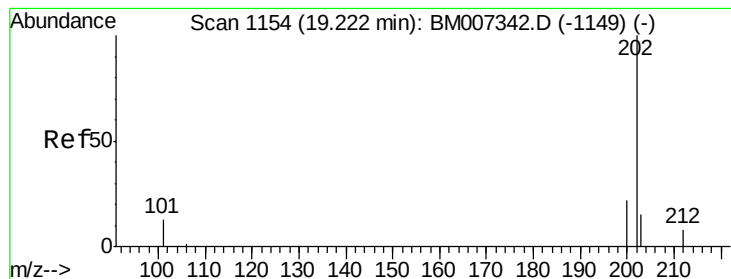
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

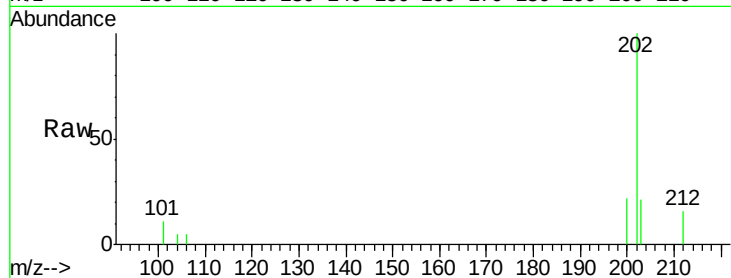
Tgt Ion:202 Resp: 2524

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

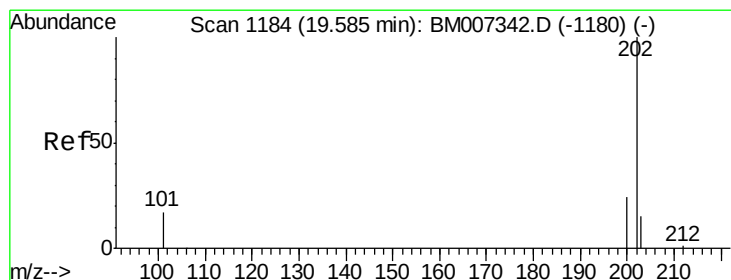
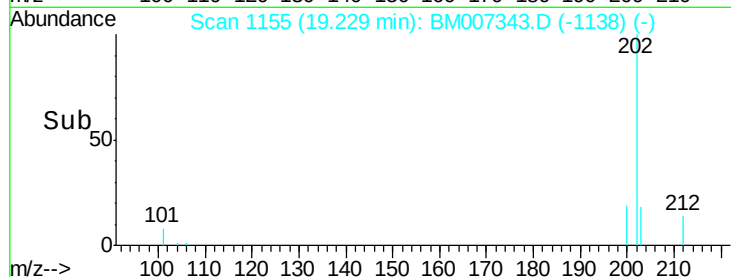
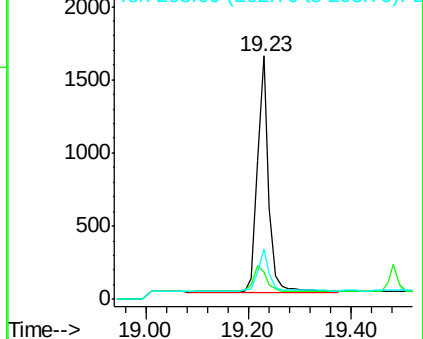
203 20.5 0.0 36.3



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: 0.07 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

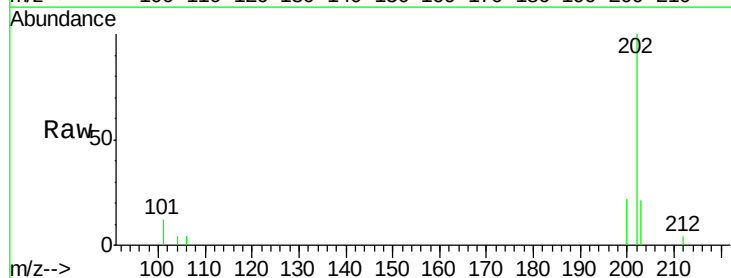
Tgt Ion:202 Resp: 2584

Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.8

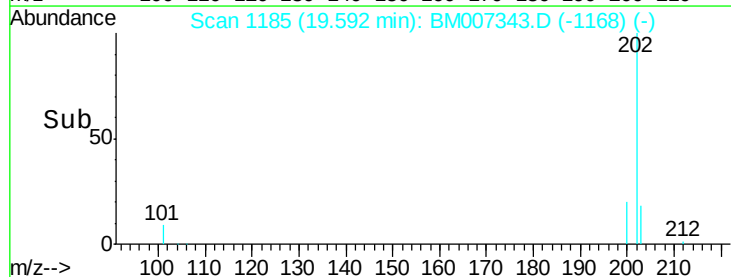
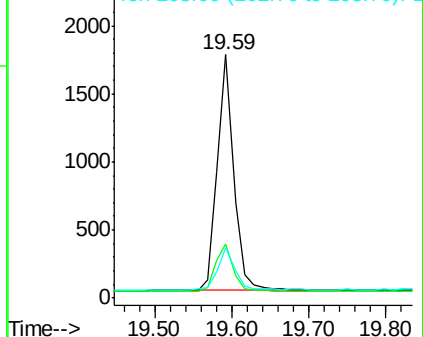
203 20.6 12.8 19.2#

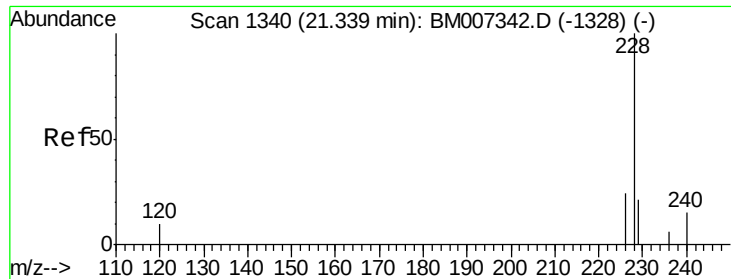


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

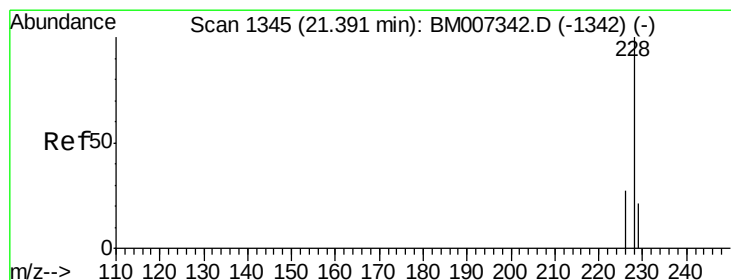
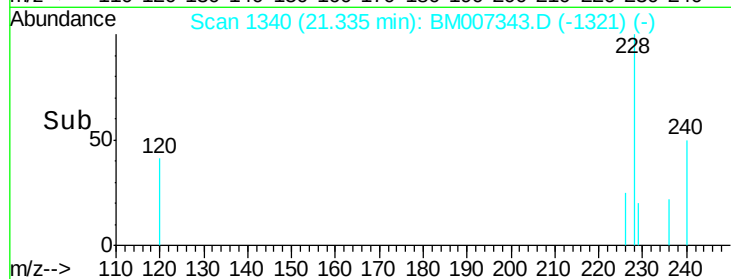
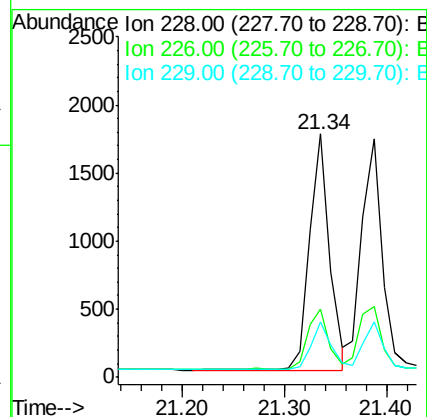
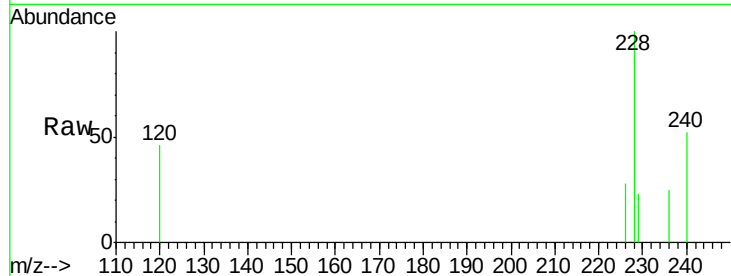
Tgt Ion:228 Resp: 2389

Ion Ratio Lower Upper

228 100

226 28.0 18.8 28.2

229 22.6 17.1 25.7



#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

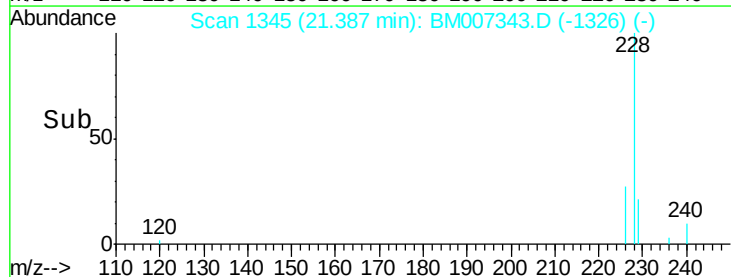
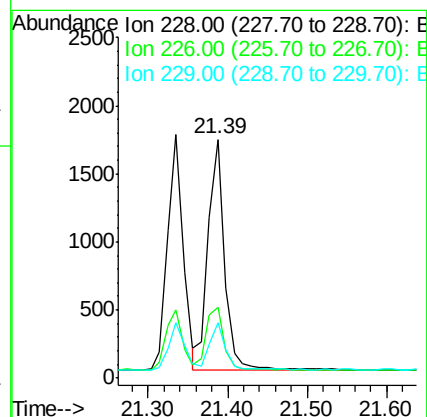
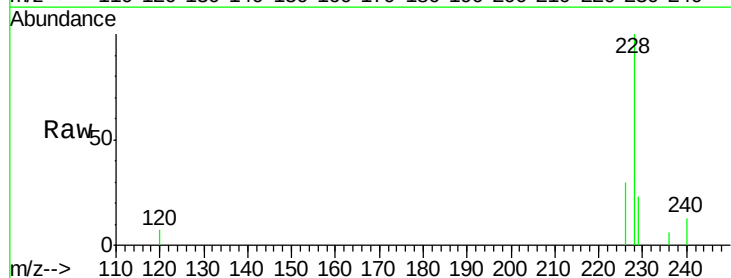
Tgt Ion:228 Resp: 2438

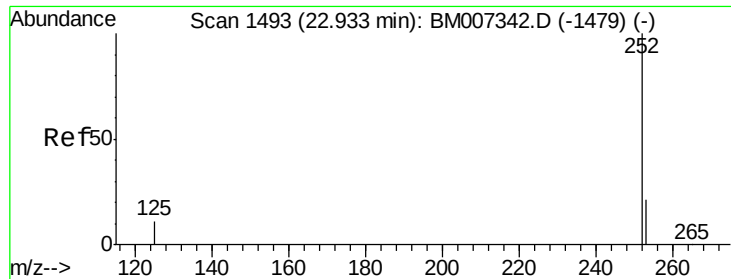
Ion Ratio Lower Upper

228 100

226 29.8 21.2 31.8

229 23.3 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

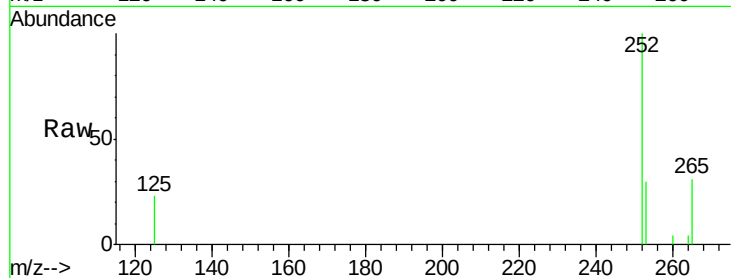
Tgt Ion:252 Resp: 2679

Ion Ratio Lower Upper

252 100

253 30.1 0.0 45.4

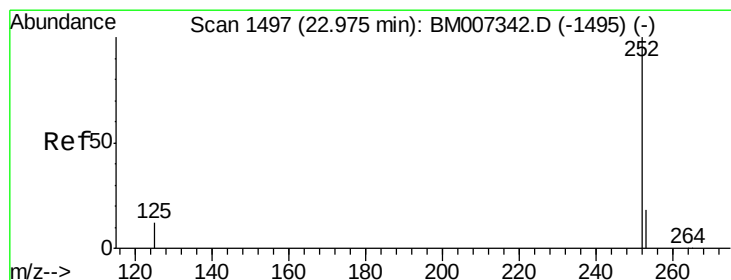
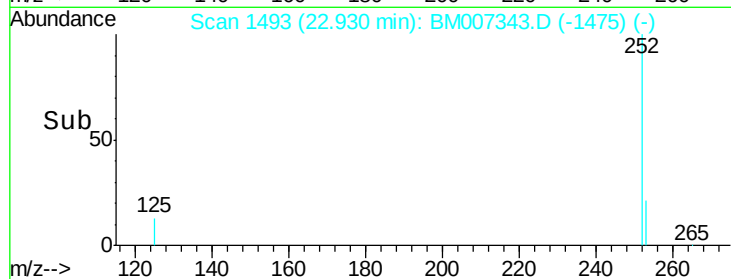
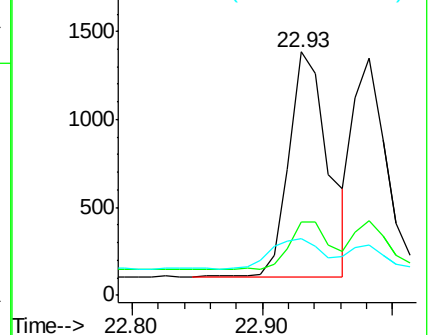
125 23.0 0.0 28.8



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: 0.07 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

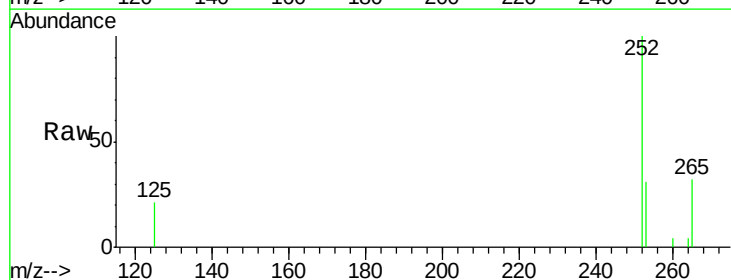
Tgt Ion:252 Resp: 2269

Ion Ratio Lower Upper

252 100

253 31.4 19.8 29.8#

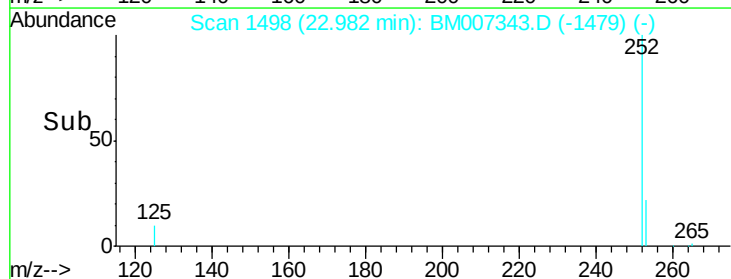
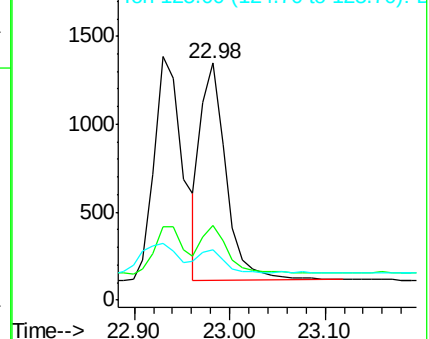
125 21.0 10.4 15.6#

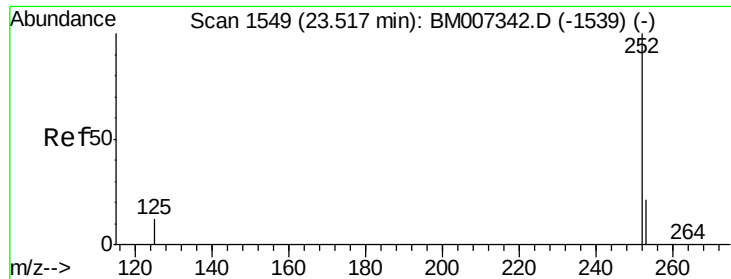


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

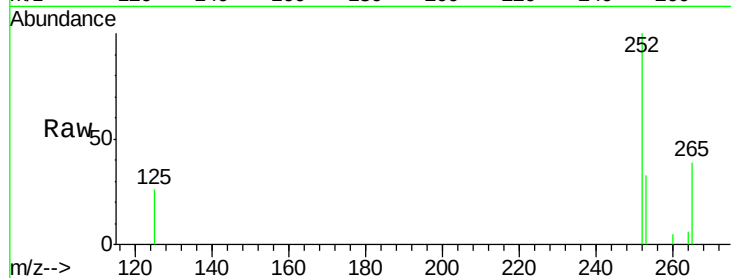
Tgt Ion: 252 Resp: 2319

Ion Ratio Lower Upper

252 100

253 32.9 19.4 29.2#

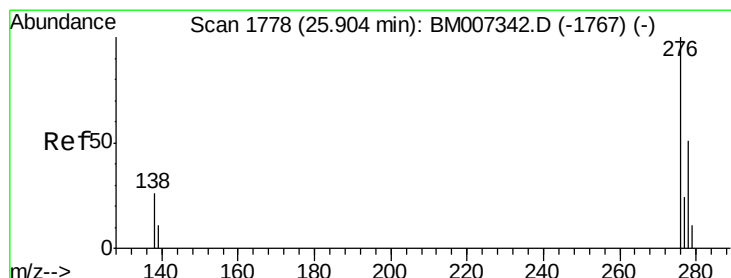
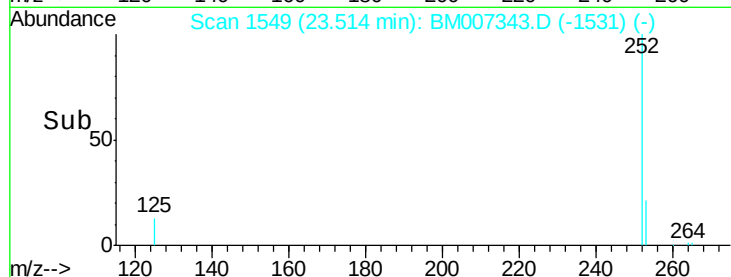
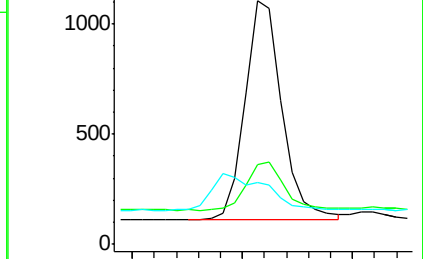
125 25.6 12.7 19.1#



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: 0.06 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

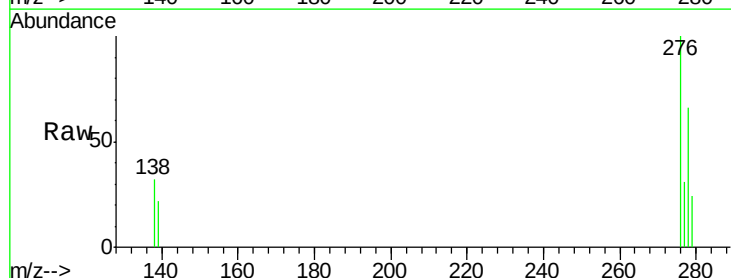
Tgt Ion: 276 Resp: 2462

Ion Ratio Lower Upper

276 100

138 26.5 16.3 24.5#

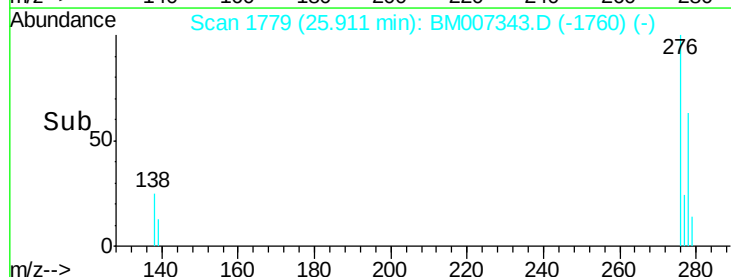
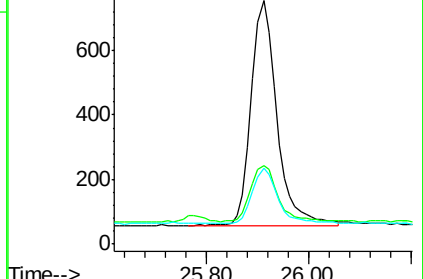
277 24.6 19.8 29.8

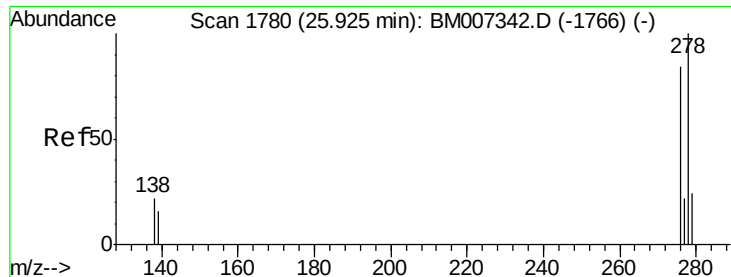


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 25.92 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

Instrument :

BNA_M

ClientSampleId :

MDL-01-W

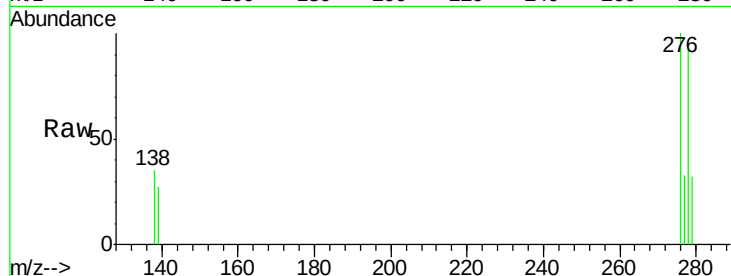
Tgt Ion: 278 Resp: 1945

Ion Ratio Lower Upper

278 100

139 29.3 16.4 24.6#

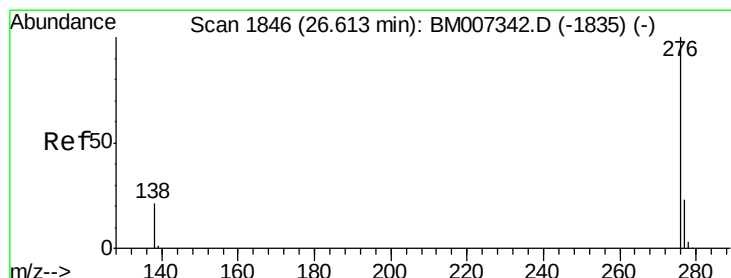
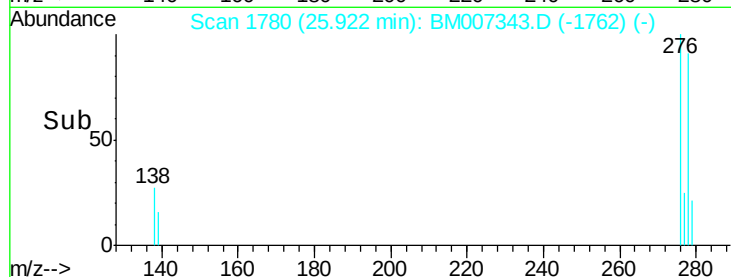
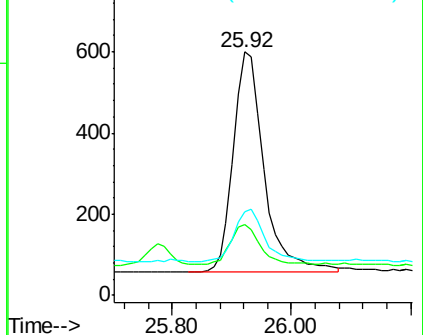
279 34.5 20.2 30.2#



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: 0.06 ng/ul

RT: 26.61 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BM007343.D

Acq: 30 Aug 2016 15:40

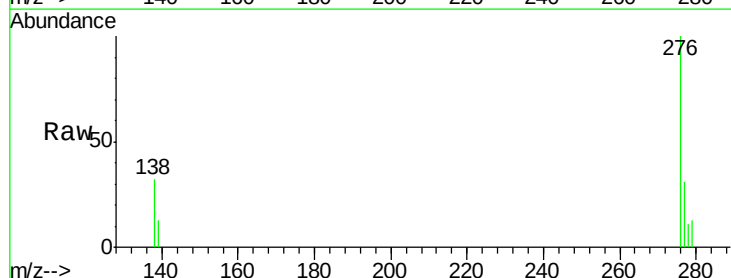
Tgt Ion: 276 Resp: 2065

Ion Ratio Lower Upper

276 100

277 31.1 18.9 28.3#

138 32.3 22.5 33.7



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

