

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083016\
 Data File : BM007344.D
 Acq On : 30 Aug 2016 16:16
 Operator : UM/SJ
 Sample : MDL-02-W
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Quant Time: Aug 30 17:05:52 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	1228	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	5372	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3730	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	10102	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	10785	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	10377	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	1924	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.20	212	6477	0.28	ng/ul	0.00

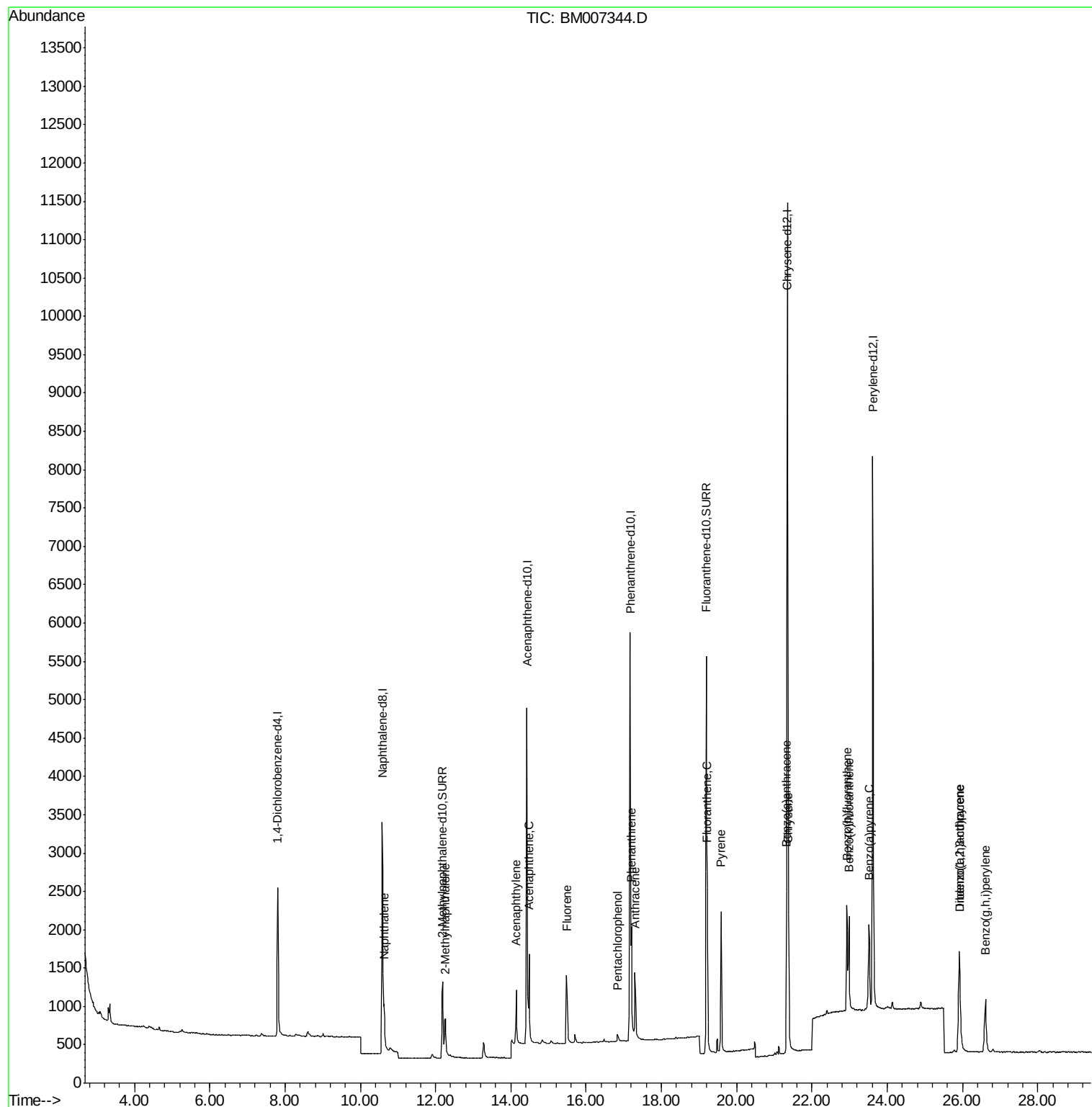
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	763	0.06	ng/ul#	69
5) 2-Methylnaphthalene	12.26	142	528	0.06	ng/ul	93
7) Acenaphthylene	14.14	152	958	0.05	ng/ul#	87
8) Acenaphthene	14.49	153	717	0.06	ng/ul#	87
9) Fluorene	15.48	166	840	0.06	ng/ul#	81
11) Pentachlorophenol	16.83	266	122	0.05	ng/ul	93
12) Phenanthrene	17.21	178	1580	0.06	ng/ul#	89
13) Anthracene	17.30	178	1349	0.05	ng/ul#	83
15) Fluoranthene	19.22	202	1955	0.06	ng/ul	87
17) Pyrene	19.59	202	2073	0.06	ng/ul#	92
18) Benzo(a)anthracene	21.33	228	1903	0.06	ng/ul#	89
19) Chrysene	21.38	228	1909	0.06	ng/ul#	89
21) Benzo(b)fluoranthene	22.93	252	1907	0.05	ng/ul	79
22) Benzo(k)fluoranthene	22.99	252	2004	0.06	ng/ul#	78
23) Benzo(a)pyrene	23.52	252	1836	0.06	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.91	276	1936	0.05	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.93	278	1545	0.05	ng/ul#	76
26) Benzo(g,h,i)perylene	26.61	276	1671	0.05	ng/ul#	86

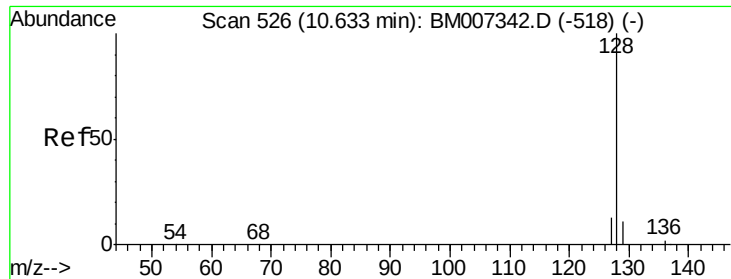
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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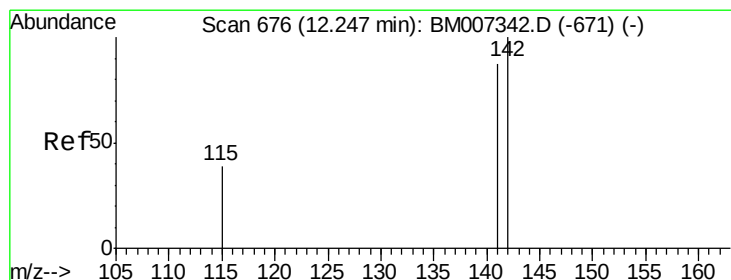
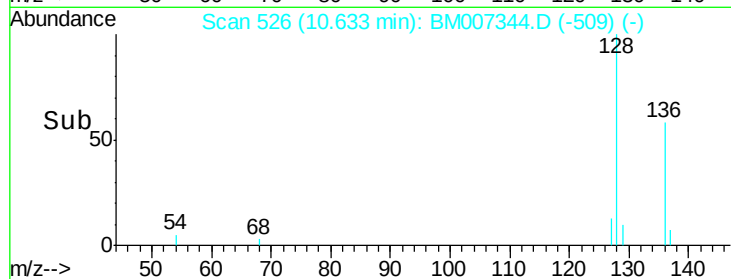
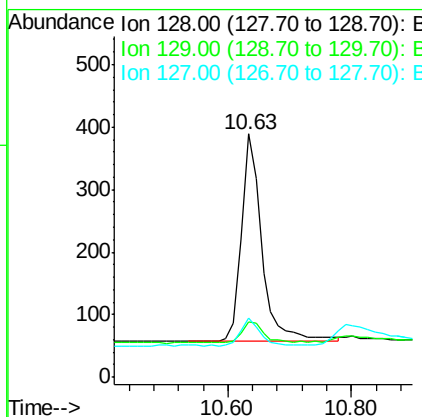
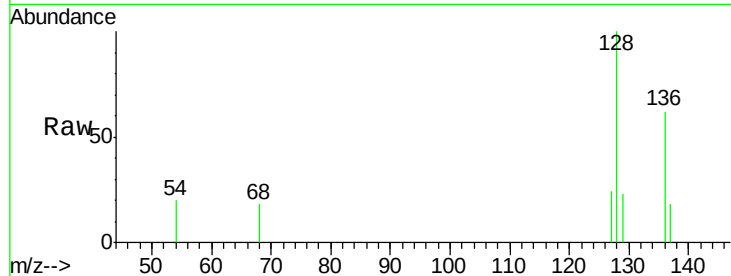




#3
Naphthalene
Concen: 0.06 ng/ul
RT: 10.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: BM007344.D
Acq: 30 Aug 2016 16:16

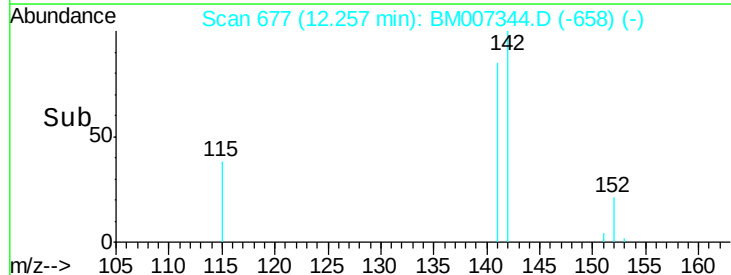
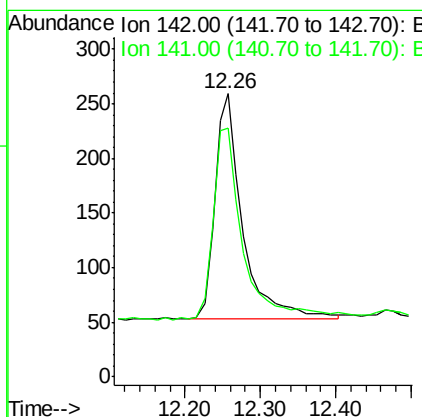
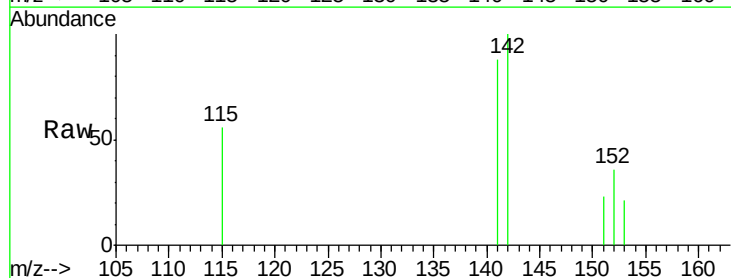
Instrument :
BNA_M
ClientSampleId :
MDL-02-W

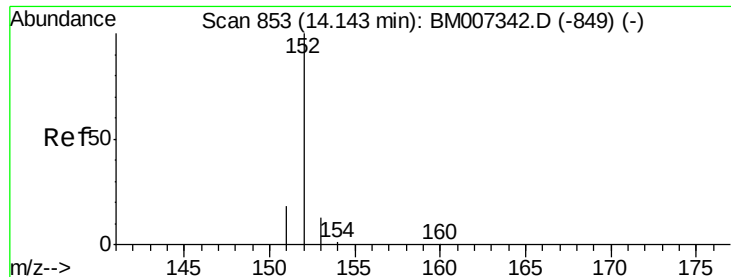
Tgt Ion:128 Resp: 763
Ion Ratio Lower Upper
128 100
129 22.9 9.0 13.6#
127 24.2 9.6 14.4#



#5
2-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 12.26 min Scan# 677
Delta R.T. -0.00 min
Lab File: BM007344.D
Acq: 30 Aug 2016 16:16

Tgt Ion:142 Resp: 528
Ion Ratio Lower Upper
142 100
141 94.1 70.3 105.5





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

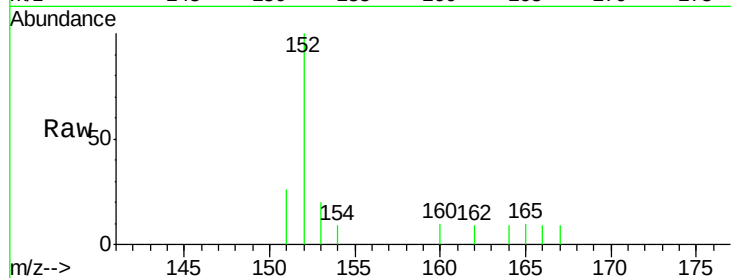
Tgt Ion:152 Resp: 958

Ion Ratio Lower Upper

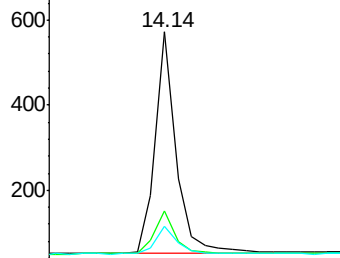
152 100

151 26.4 17.6 26.4

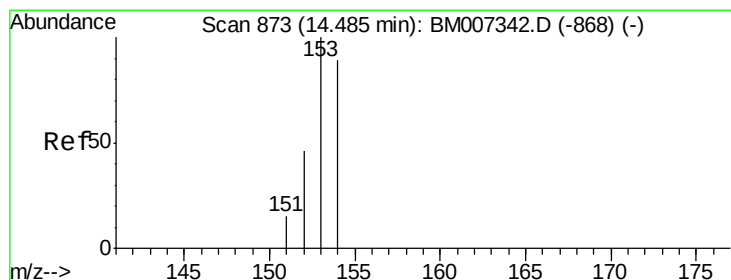
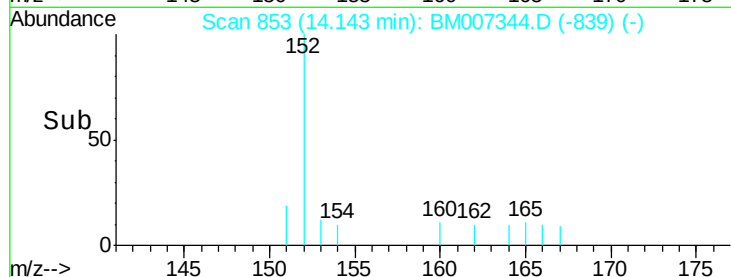
153 20.3 9.7 14.5#



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



Time--> 14.00 14.10 14.20 14.30



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

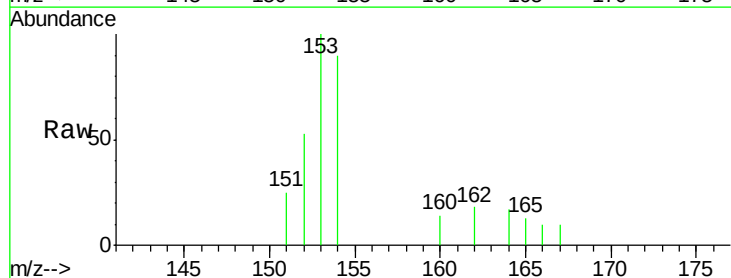
Tgt Ion:153 Resp: 717

Ion Ratio Lower Upper

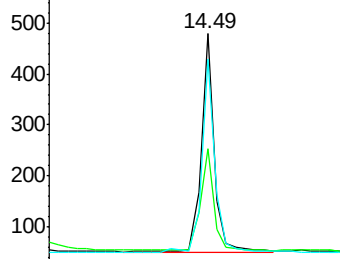
153 100

152 52.8 33.9 50.9#

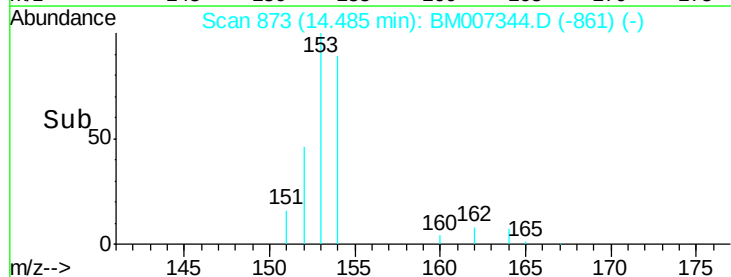
154 89.6 80.6 121.0

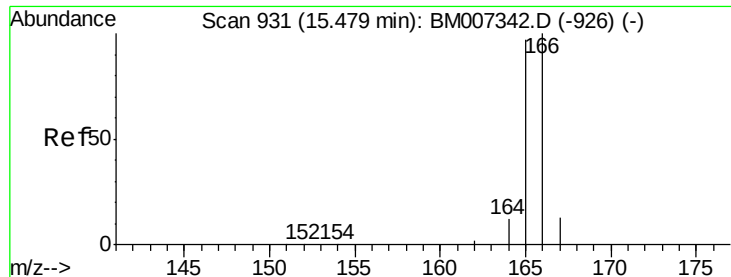


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.40 14.60





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

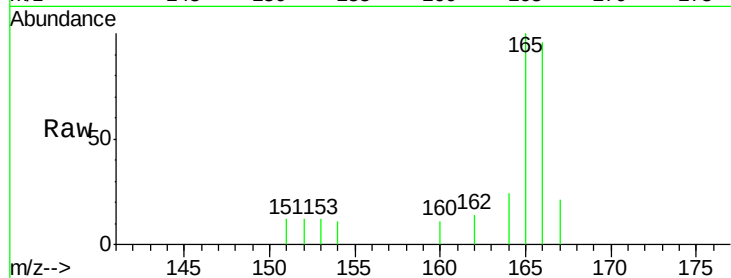
Tgt Ion:166 Resp: 840

Ion Ratio Lower Upper

166 100

165 104.6 69.6 104.4#

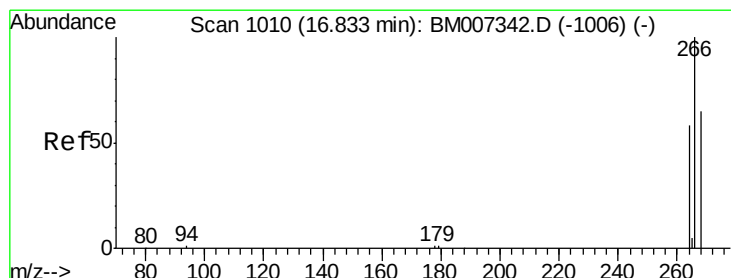
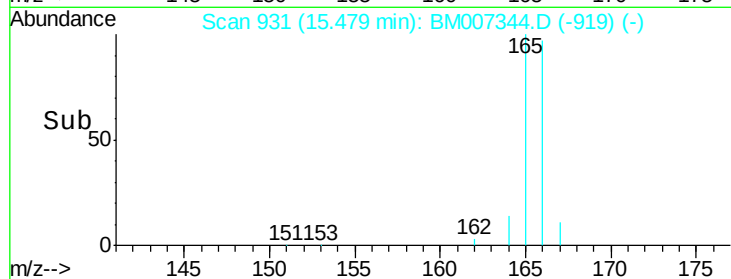
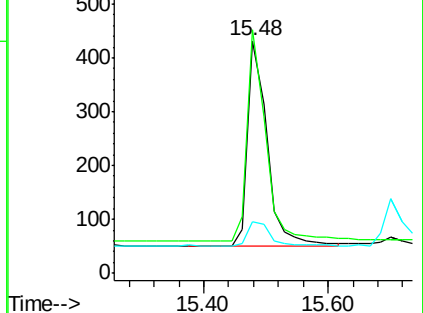
167 22.0 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

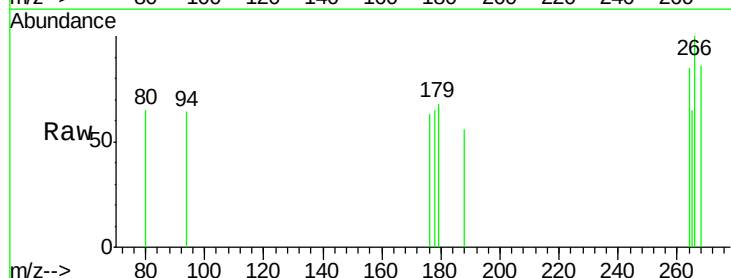
Tgt Ion:266 Resp: 122

Ion Ratio Lower Upper

266 100

264 60.7 51.8 77.8

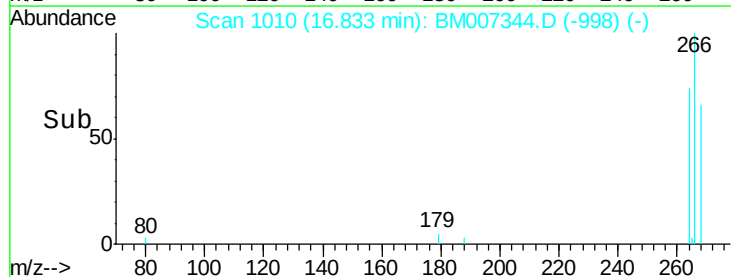
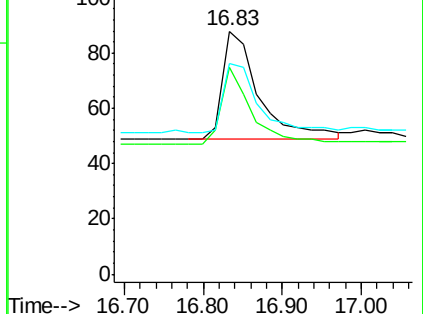
268 64.8 46.8 70.2

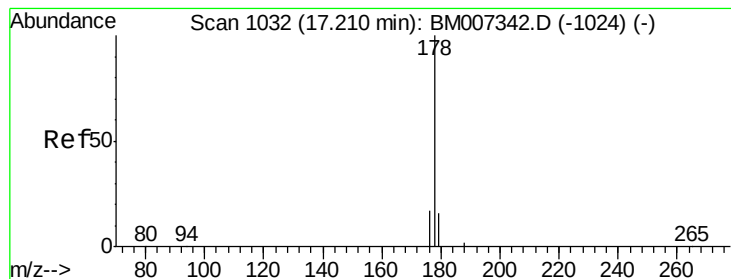


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

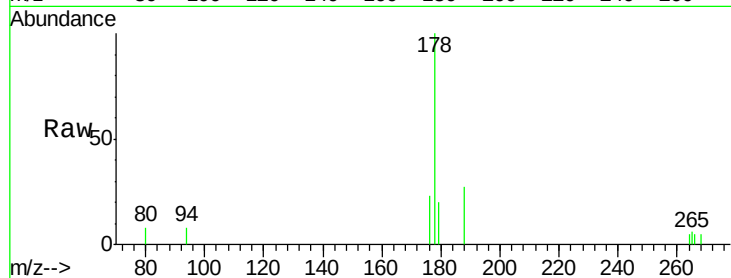
Tgt Ion:178 Resp: 1580

Ion Ratio Lower Upper

178 100

176 22.7 13.0 19.4#

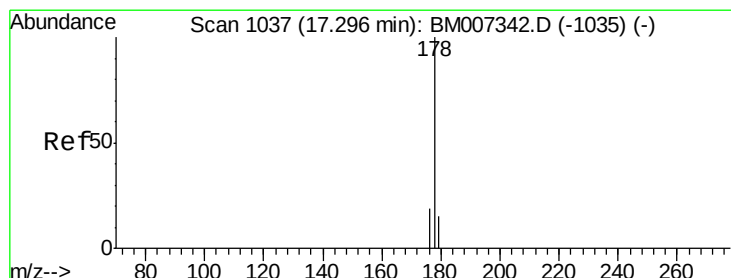
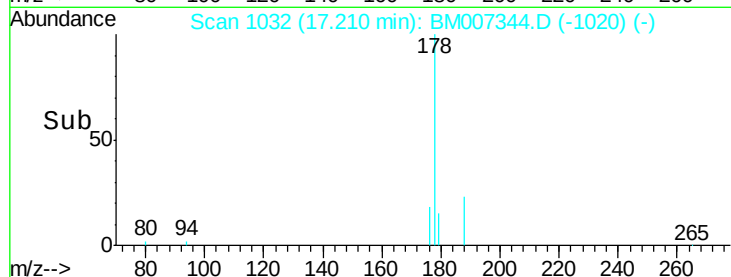
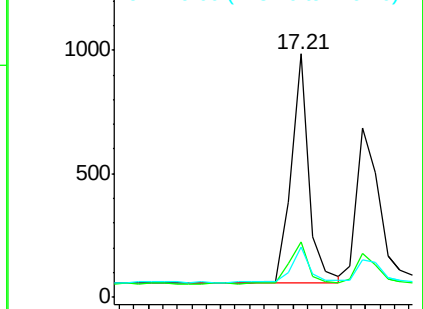
179 20.5 14.2 21.2



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: BM007344.D

Acq: 30 Aug 2016 16:16

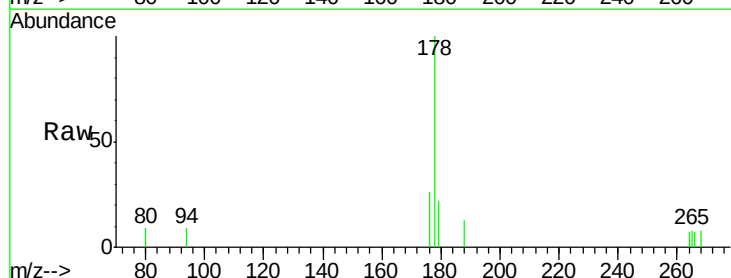
Tgt Ion:178 Resp: 1349

Ion Ratio Lower Upper

178 100

176 26.1 14.0 21.0#

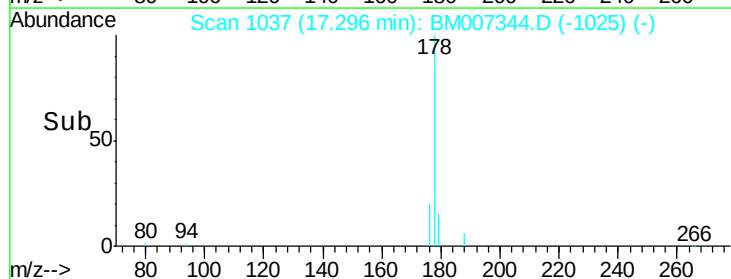
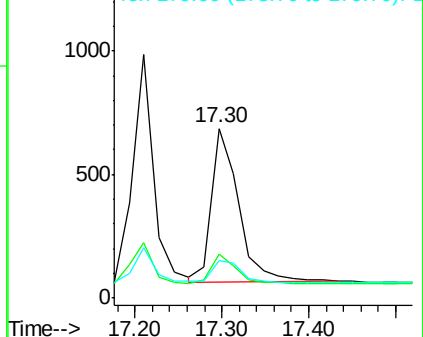
179 22.3 12.9 19.3#

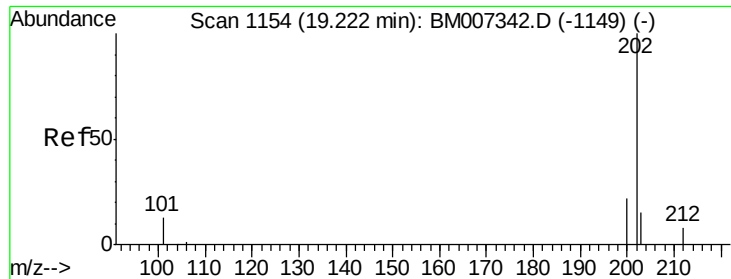


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM007344.D

Acq: 30 Aug 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

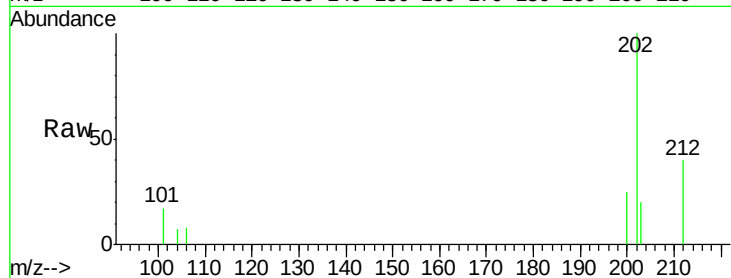
Tgt Ion:202 Resp: 1955

Ion Ratio Lower Upper

202 100

101 16.7 0.0 29.6

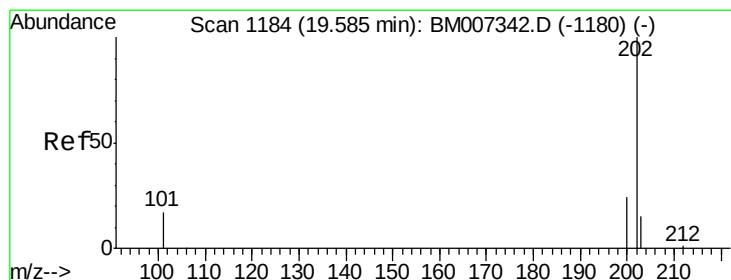
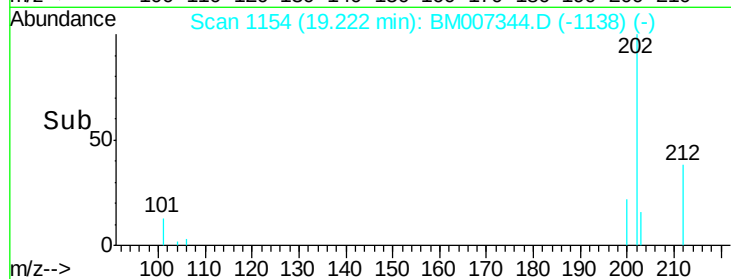
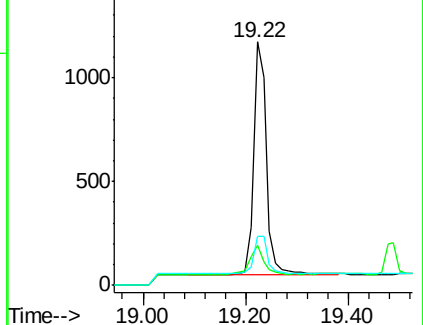
203 20.0 0.0 36.3



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: BM007344.D

Acq: 30 Aug 2016 16:16

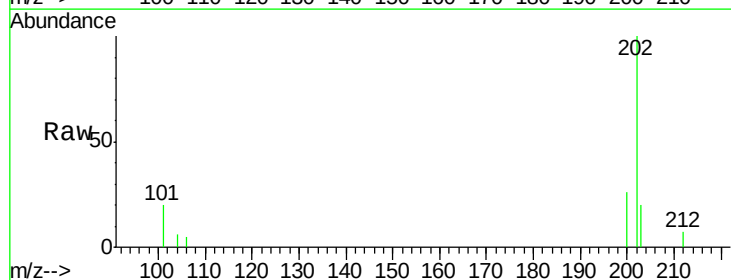
Tgt Ion:202 Resp: 2073

Ion Ratio Lower Upper

202 100

200 25.5 17.8 26.8

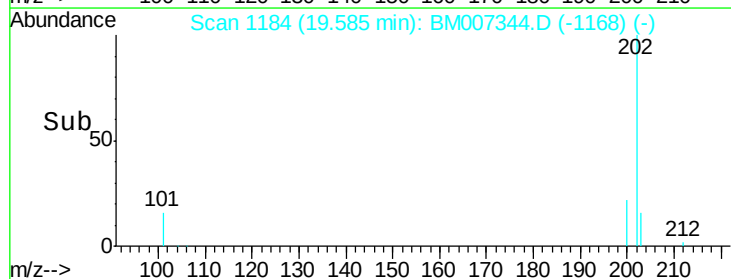
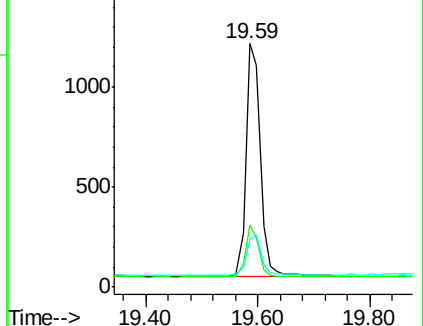
203 19.8 12.8 19.2#

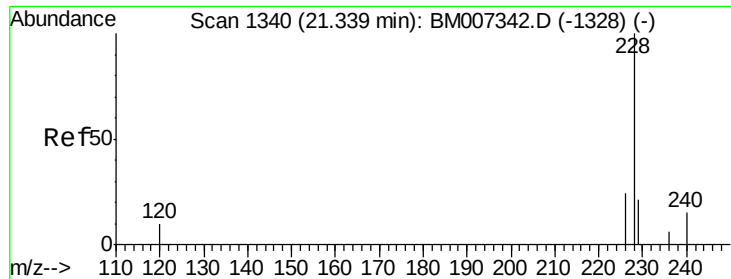


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM007344.D

Acq: 30 Aug 2016 16:16

Instrument :

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ClientSampleId :

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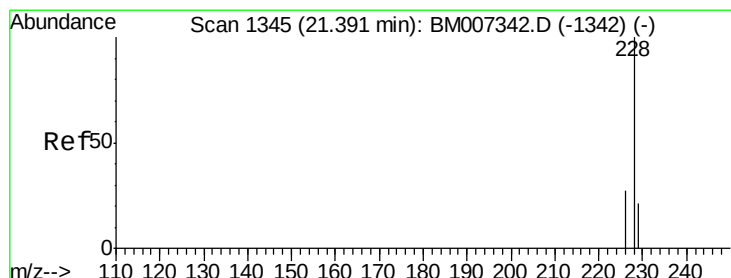
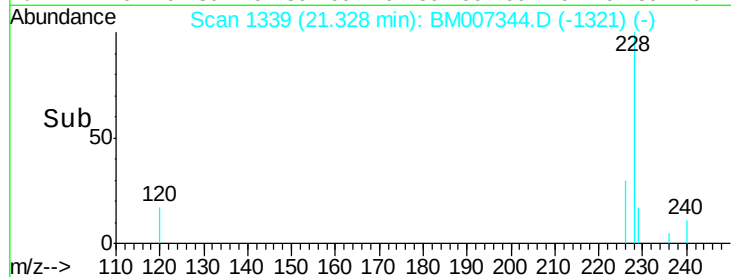
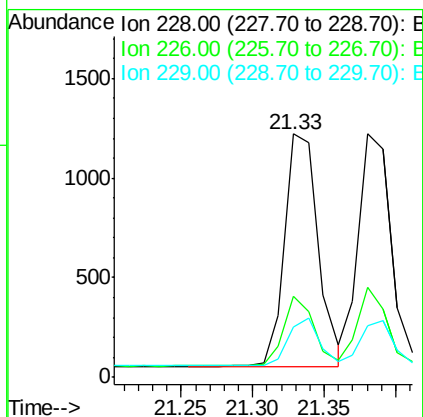
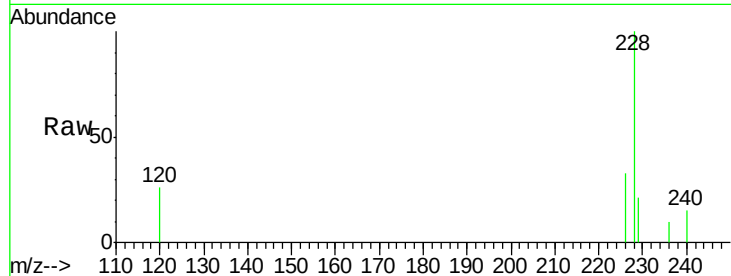
Tgt Ion:228 Resp: 1903

Ion Ratio Lower Upper

228 100

226 33.2 18.8 28.2#

229 20.9 17.1 25.7



#19

Chrysene

Concen: 0.06 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

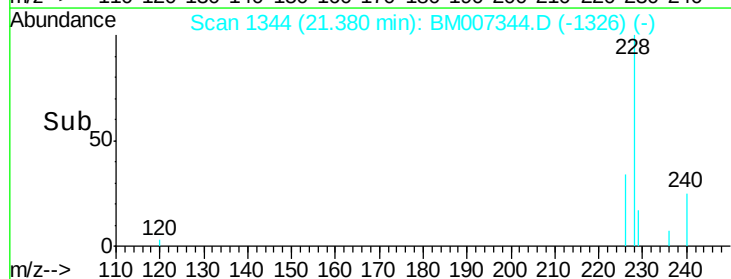
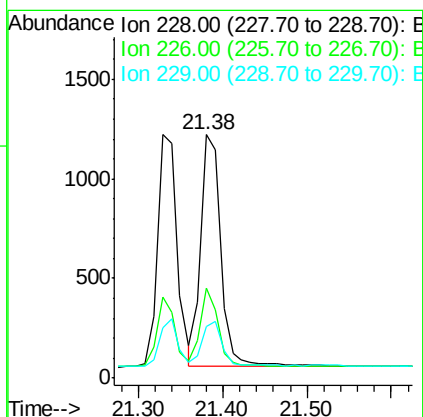
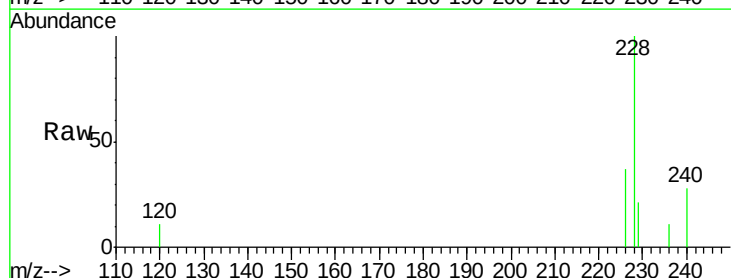
Tgt Ion:228 Resp: 1909

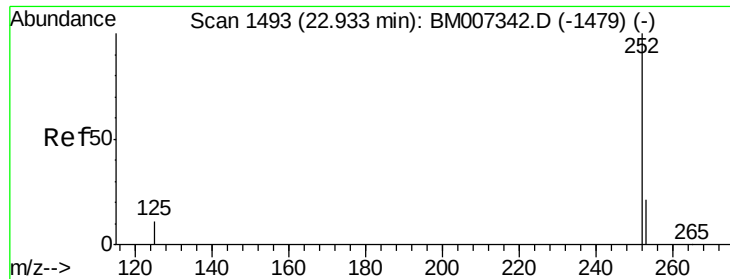
Ion Ratio Lower Upper

228 100

226 36.8 21.2 31.8#

229 21.4 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

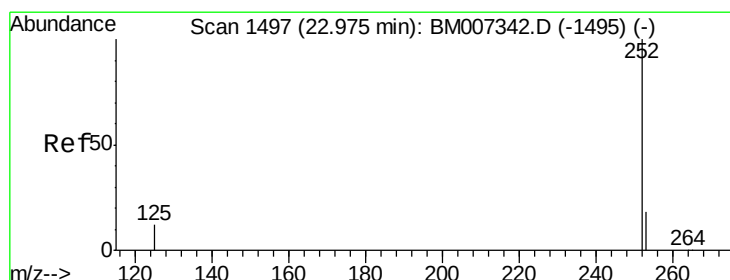
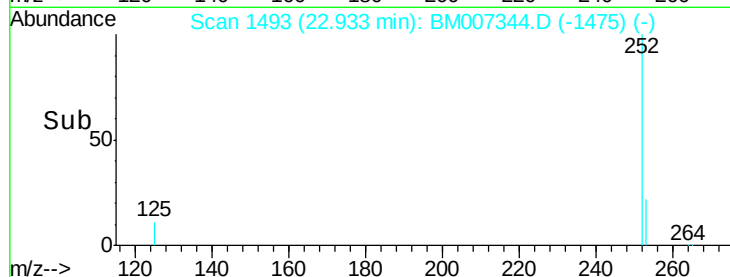
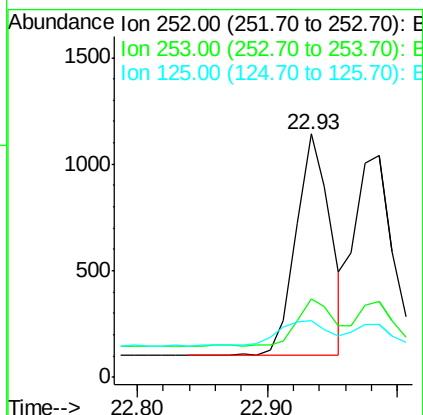
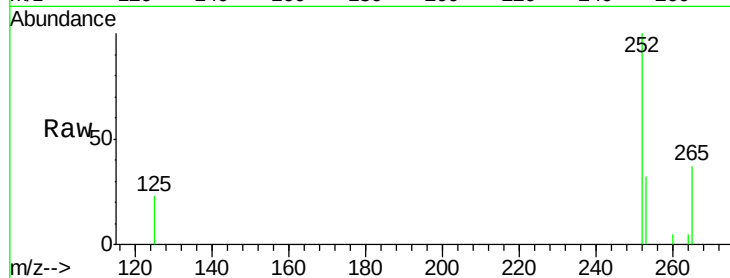
Instrument :

BNA_M

ClientSampleId :

MDL-02-W

Tgt Ion:	252	Resp:	1907
Ion	Ratio	Lower	Upper
252	100		
253	32.4	0.0	45.4
125	23.4	0.0	28.8



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

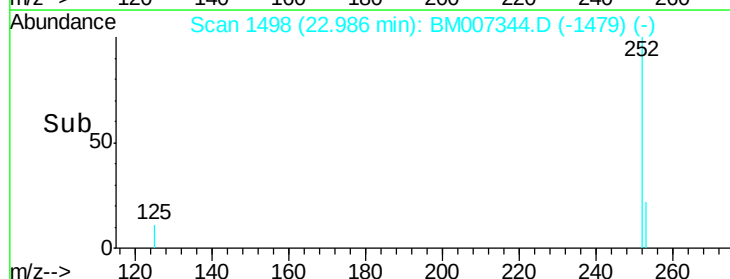
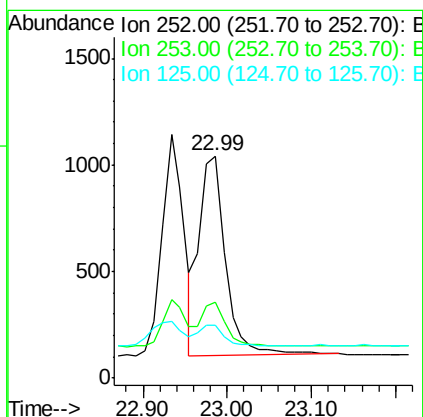
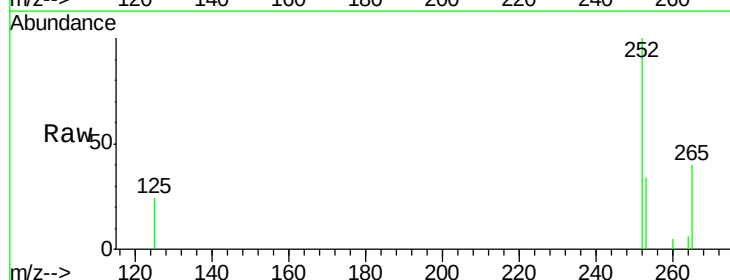
RT: 22.99 min Scan# 1498

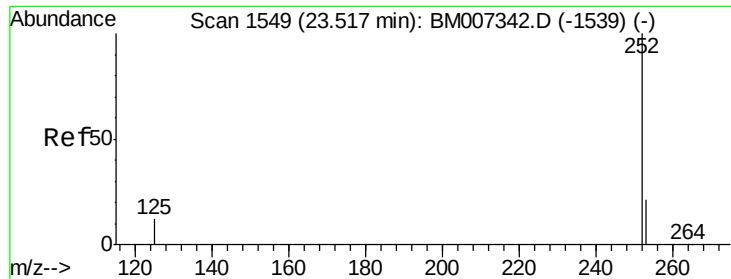
Delta R.T. 0.00 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

Tgt Ion:	252	Resp:	2004
Ion	Ratio	Lower	Upper
252	100		
253	34.2	19.8	29.8#
125	23.7	10.4	15.6#





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.52 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BM007344.D

Acq: 30 Aug 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

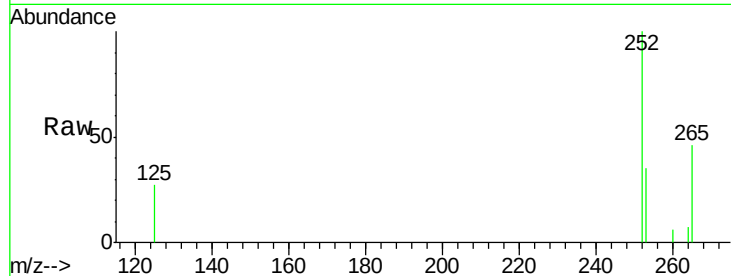
Tgt Ion:252 Resp: 1836

Ion Ratio Lower Upper

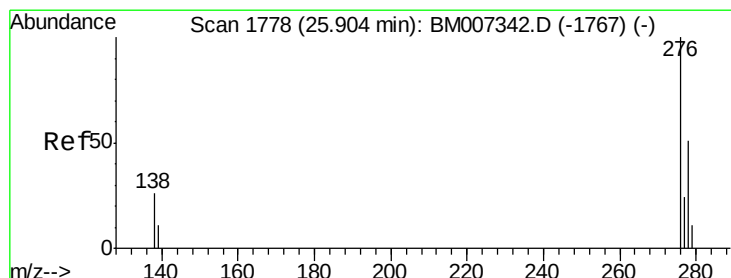
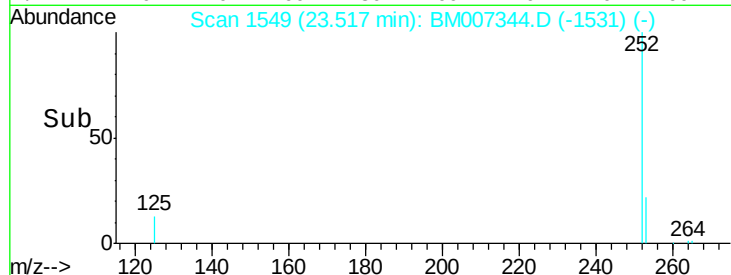
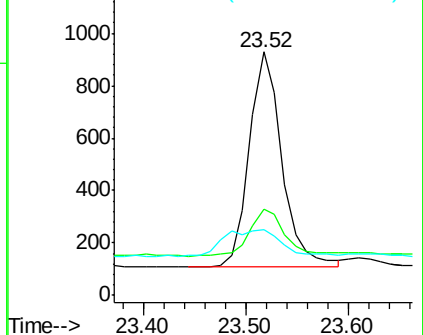
252 100

253 35.3 19.4 29.2#

125 27.2 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: BM007344.D

Acq: 30 Aug 2016 16:16

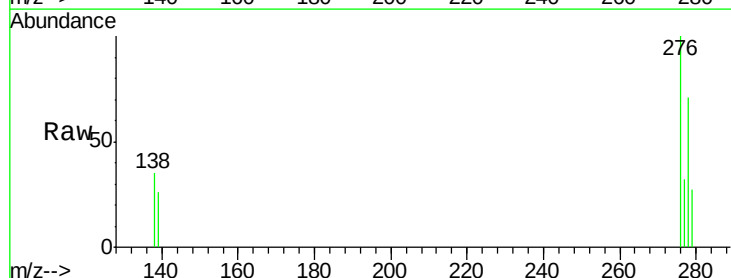
Tgt Ion:276 Resp: 1936

Ion Ratio Lower Upper

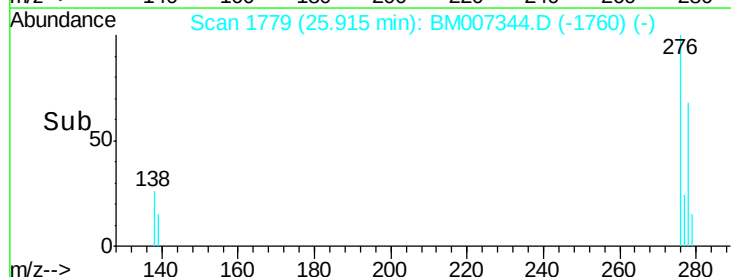
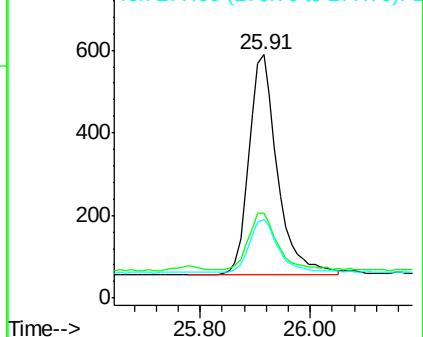
276 100

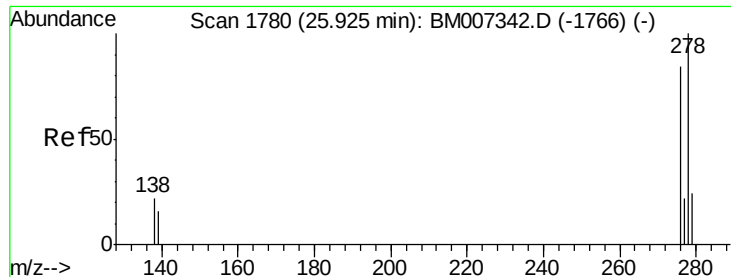
138 26.4 16.3 24.5#

277 24.4 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

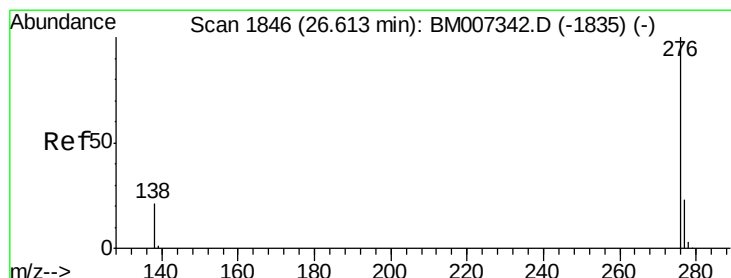
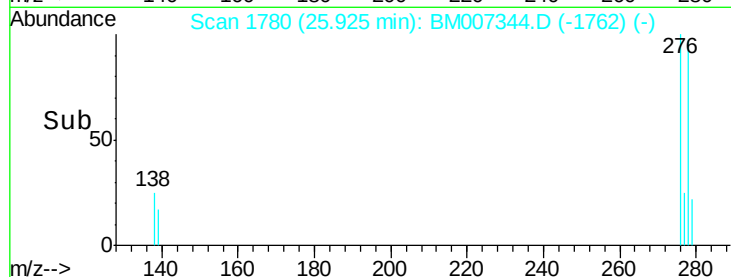
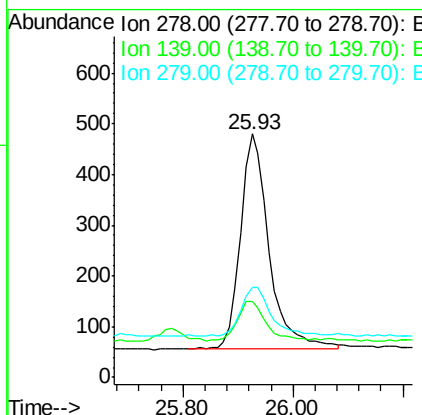
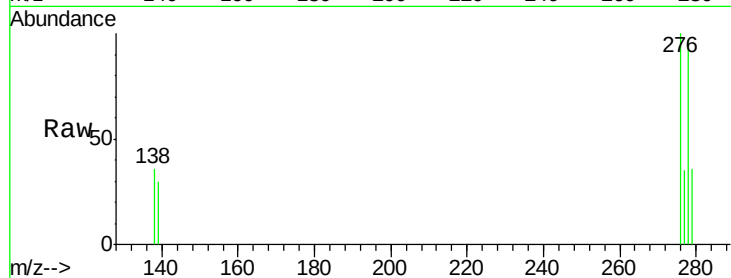




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.93 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BM007344.D
Acq: 30 Aug 2016 16:16

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Tgt Ion: 278 Resp: 1545
Ion Ratio Lower Upper
278 100
139 31.3 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: BM007344.D
Acq: 30 Aug 2016 16:16

Tgt Ion: 276 Resp: 1671
Ion Ratio Lower Upper
276 100
277 33.0 18.9 28.3#
138 33.2 22.5 33.7

