

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083016\
 Data File : BM007348.D
 Acq On : 30 Aug 2016 18:41
 Operator : UM/SJ
 Sample : MDL-06-W
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-W

Quant Time: Aug 31 02:17:00 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	1397	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	5859	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3906	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	10213	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	11088	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	10681	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	2059	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	6690	0.29	ng/ul	-0.01

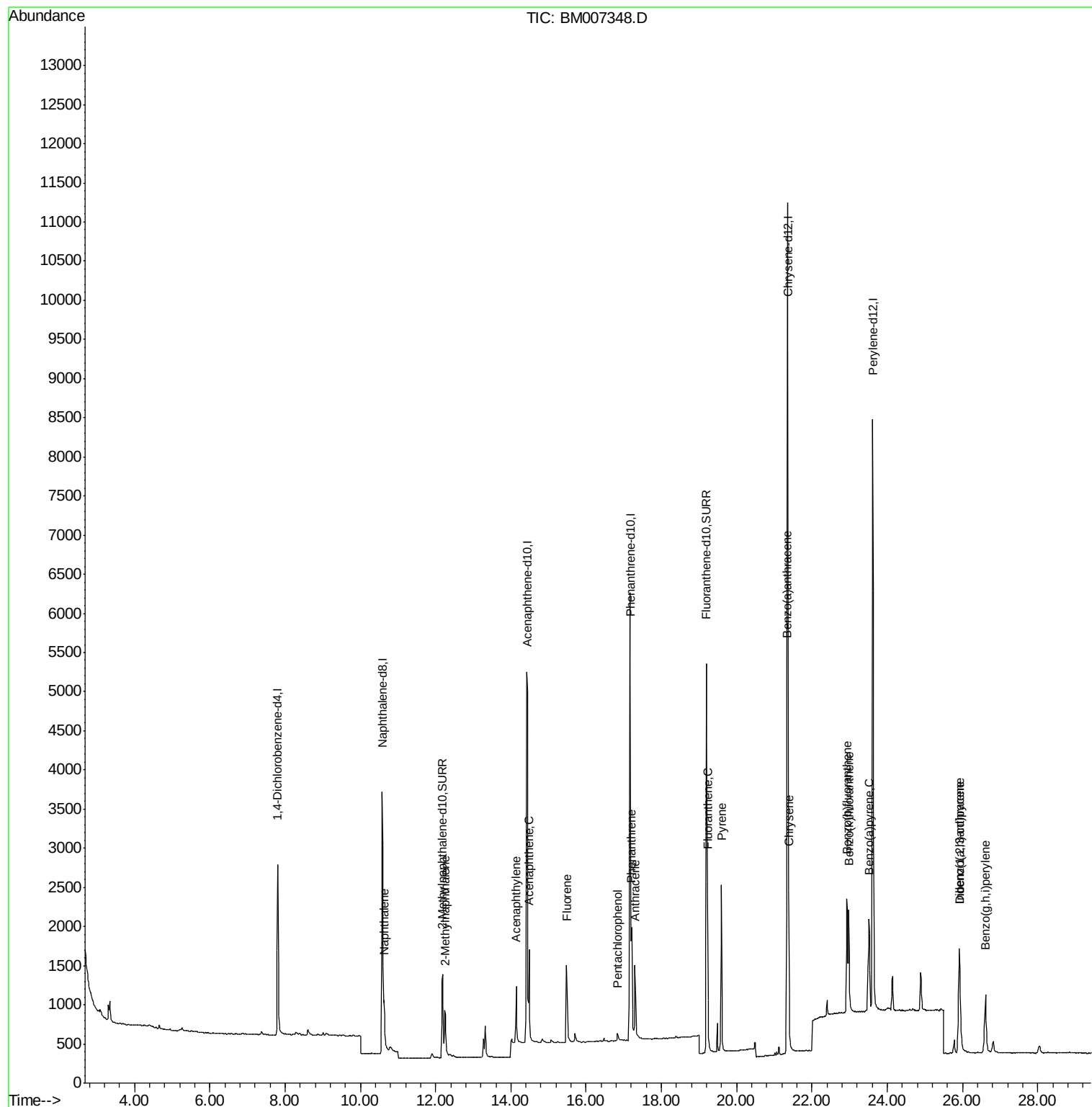
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	835	0.06	ng/ul#	73
5) 2-Methylnaphthalene	12.25	142	586	0.06	ng/ul	97
7) Acenaphthylene	14.14	152	973	0.05	ng/ul#	86
8) Acenaphthene	14.49	153	722	0.05	ng/ul#	89
9) Fluorene	15.48	166	862	0.06	ng/ul#	78
11) Pentachlorophenol	16.83	266	126	0.05	ng/ul	90
12) Phenanthrene	17.21	178	1617	0.06	ng/ul#	89
13) Anthracene	17.30	178	1415	0.05	ng/ul#	84
15) Fluoranthene	19.23	202	2014	0.06	ng/ul	91
17) Pyrene	19.59	202	2153	0.06	ng/ul#	94
18) Benzo(a)anthracene	21.34	228	1928	0.06	ng/ul	93
19) Chrysene	21.39	228	2005	0.06	ng/ul	93
21) Benzo(b)fluoranthene	22.93	252	1948	0.05	ng/ul	79
22) Benzo(k)fluoranthene	22.98	252	2100	0.06	ng/ul#	80
23) Benzo(a)pyrene	23.51	252	1890	0.06	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.91	276	2012	0.05	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.92	278	1576	0.05	ng/ul#	78
26) Benzo(g,h,i)perylene	26.61	276	1730	0.05	ng/ul#	88

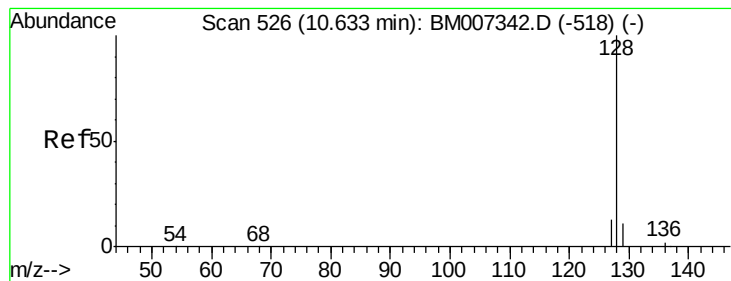
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

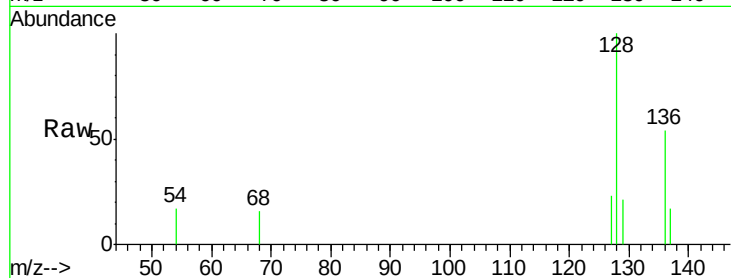
Tgt Ion:128 Resp: 835

Ion Ratio Lower Upper

128 100

129 21.4 9.0 13.6#

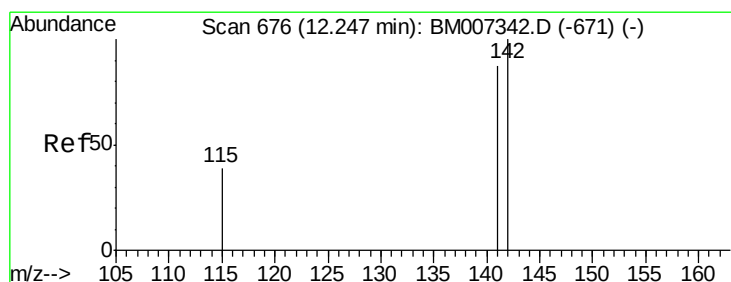
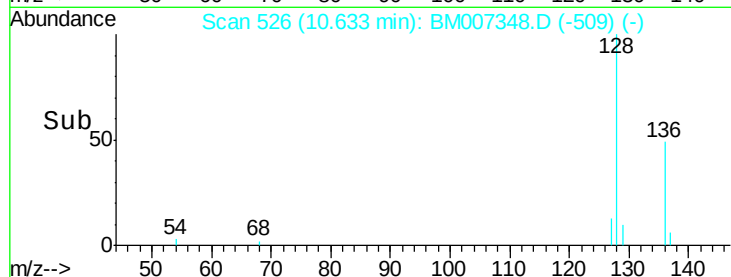
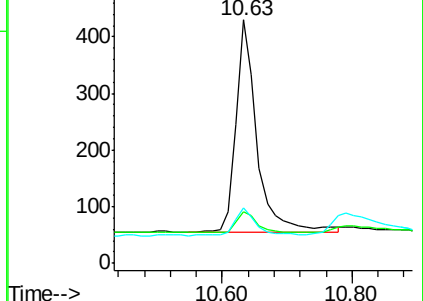
127 22.6 9.6 14.4#



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: 12.25 min Scan# 676

Delta R.T. -0.01 min

Lab File: BM007348.D

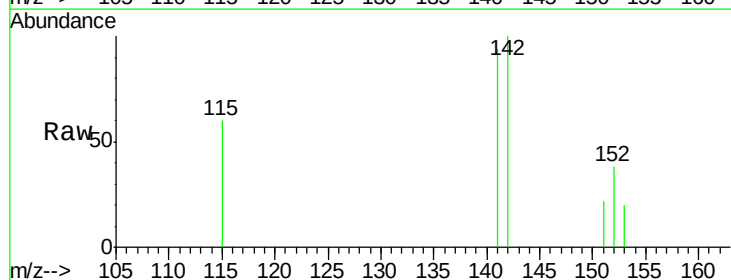
Acq: 30 Aug 2016 18:41

Tgt Ion:142 Resp: 586

Ion Ratio Lower Upper

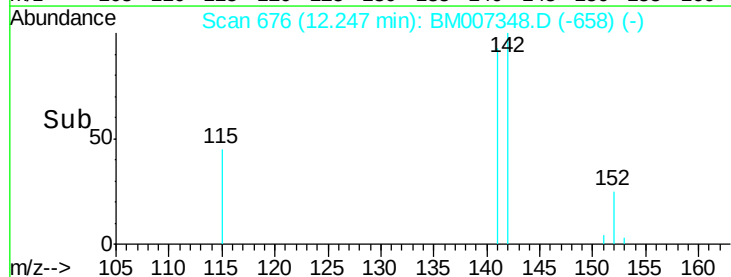
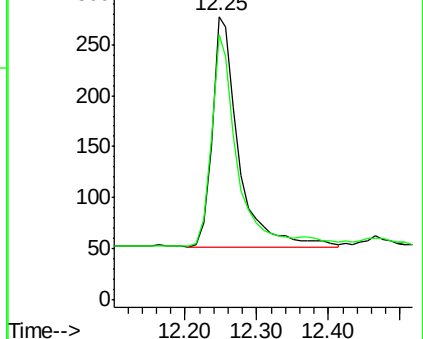
142 100

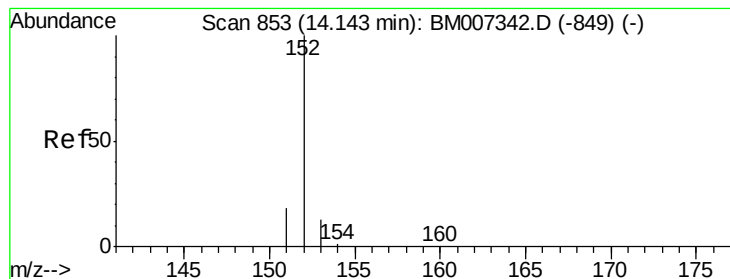
141 90.4 70.3 105.5



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: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

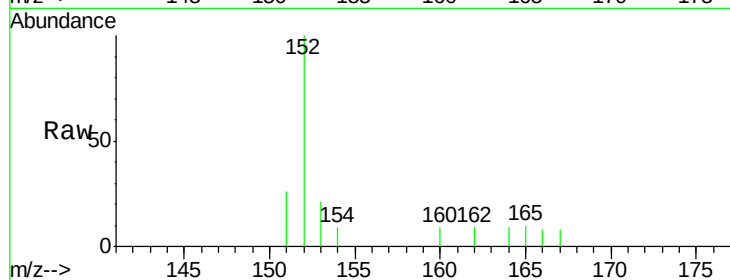
Tgt Ion:152 Resp: 973

Ion Ratio Lower Upper

152 100

151 26.0 17.6 26.4

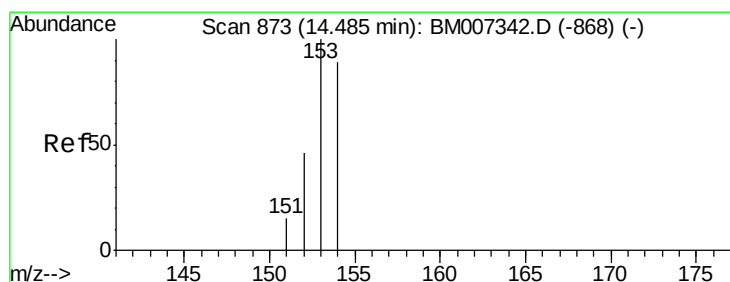
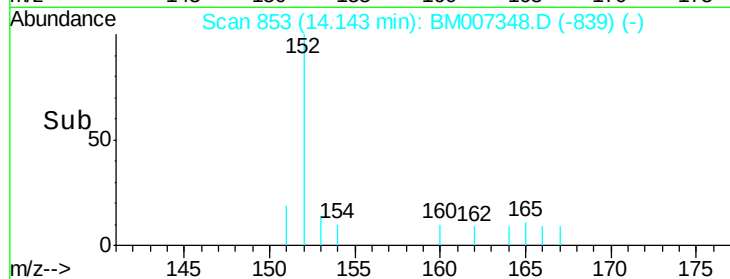
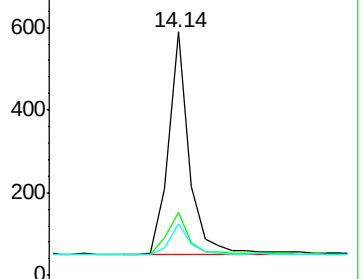
153 21.1 9.7 14.5#



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: BM007348.D

Acq: 30 Aug 2016 18:41

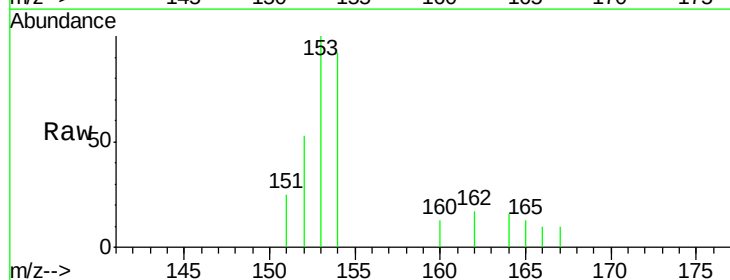
Tgt Ion:153 Resp: 722

Ion Ratio Lower Upper

153 100

152 52.8 33.9 50.9#

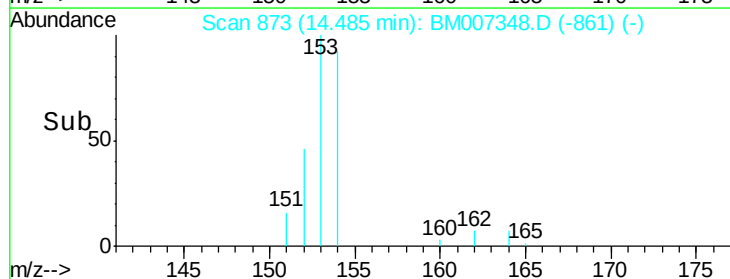
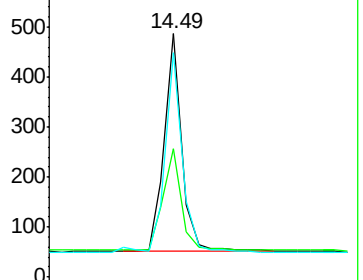
154 92.2 80.6 121.0

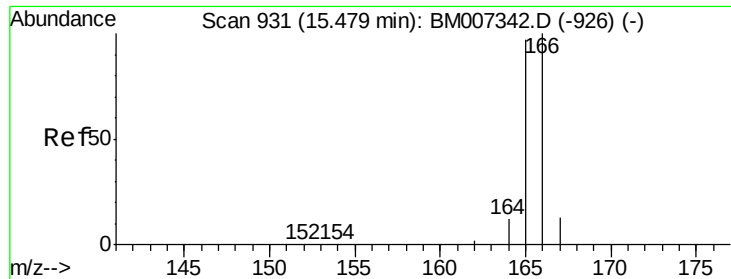


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

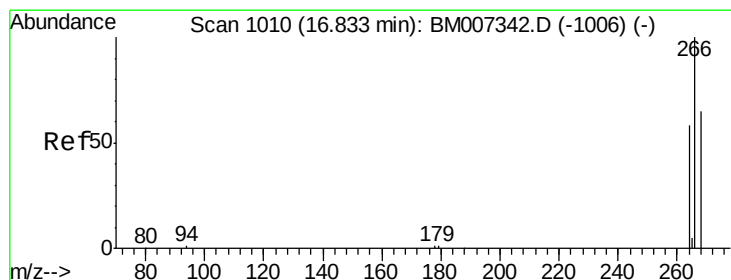
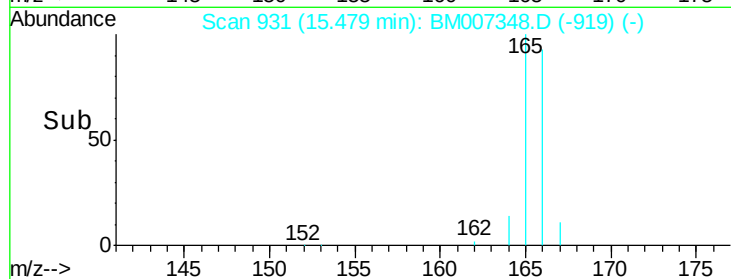
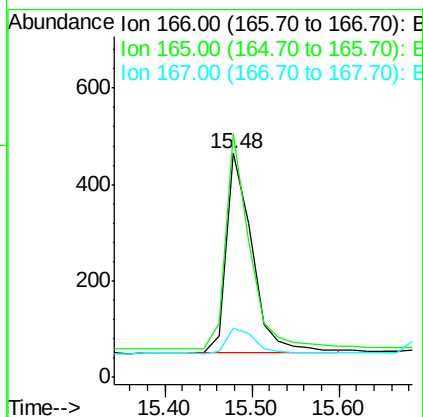
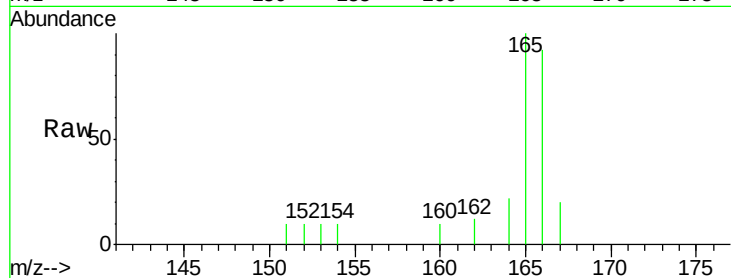




#9
Fluorene
 Concen: 0.06 ng/ul
 RT: 15.48 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BM007348.D
 Acq: 30 Aug 2016 18:41

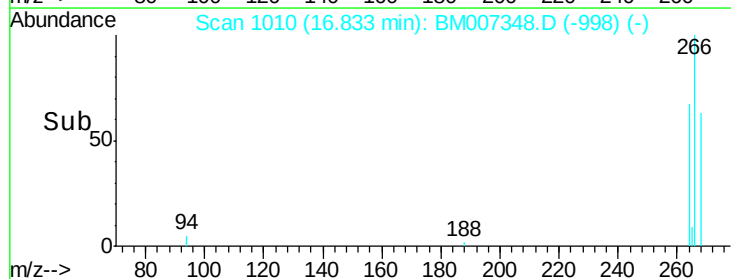
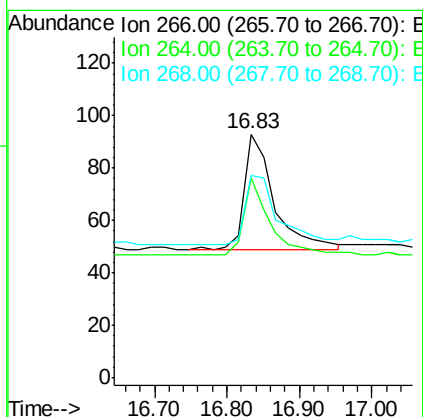
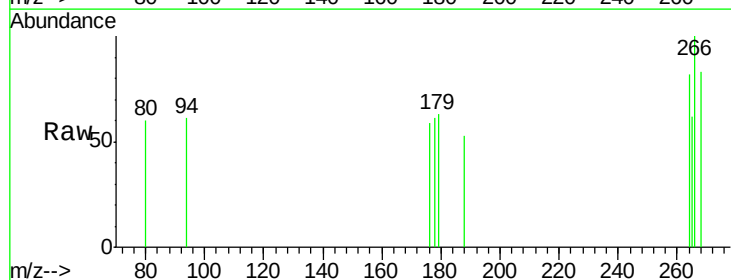
Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-W

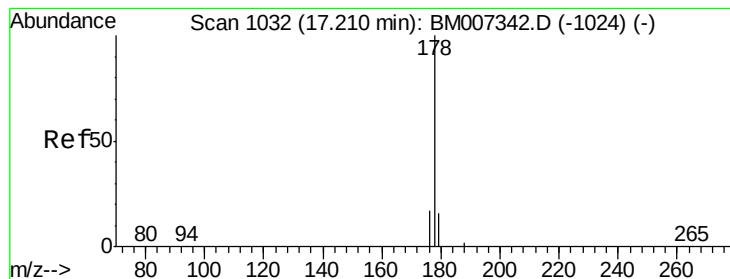
Tgt Ion:166 Resp: 862
 Ion Ratio Lower Upper
 166 100
 165 108.6 69.6 104.4#
 167 21.9 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BM007348.D
 Acq: 30 Aug 2016 18:41

Tgt Ion:266 Resp: 126
 Ion Ratio Lower Upper
 266 100
 264 57.1 51.8 77.8
 268 65.9 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: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

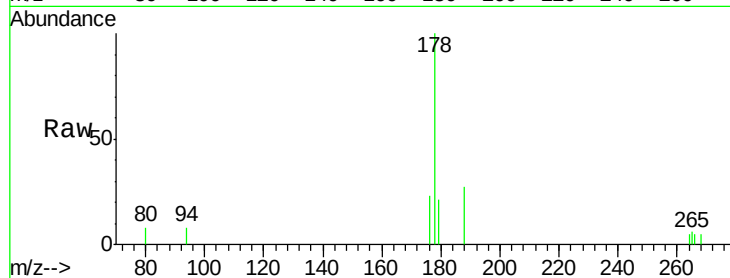
Tgt Ion:178 Resp: 1617

Ion Ratio Lower Upper

178 100

176 22.6 13.0 19.4#

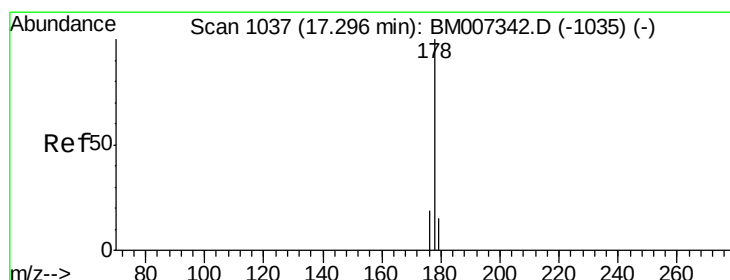
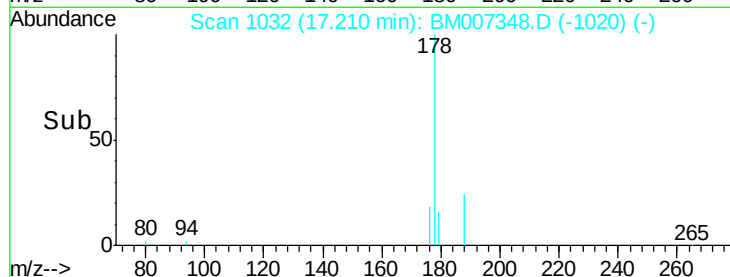
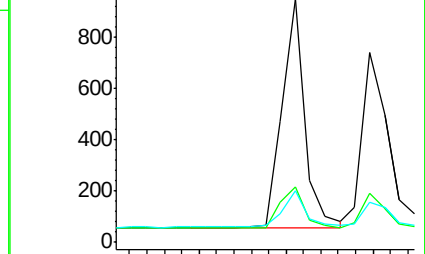
179 21.2 14.2 21.2



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: BM007348.D

Acq: 30 Aug 2016 18:41

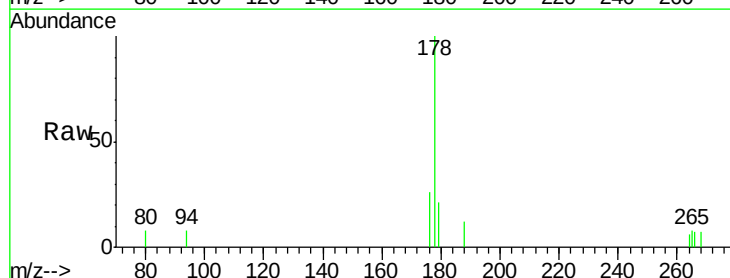
Tgt Ion:178 Resp: 1415

Ion Ratio Lower Upper

178 100

176 25.6 14.0 21.0#

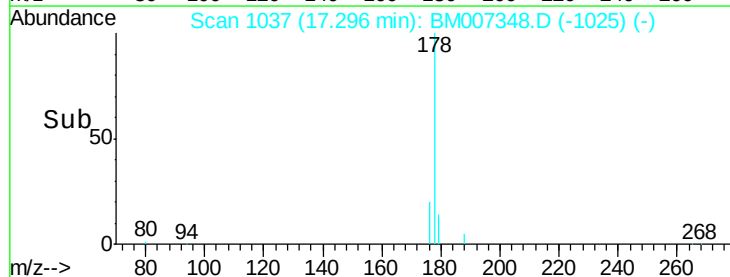
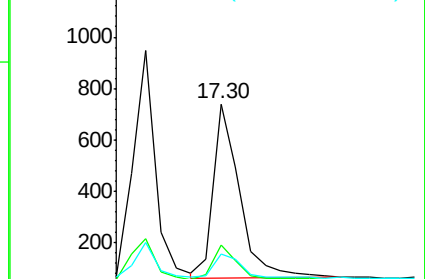
179 21.3 12.9 19.3#

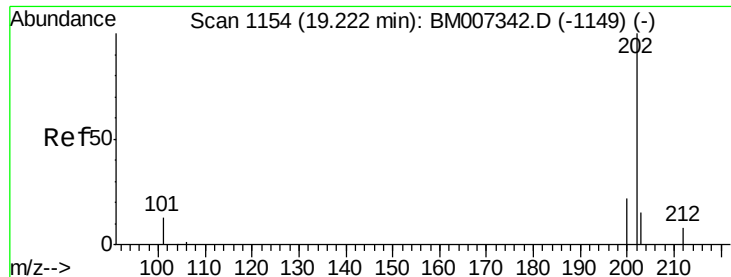


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

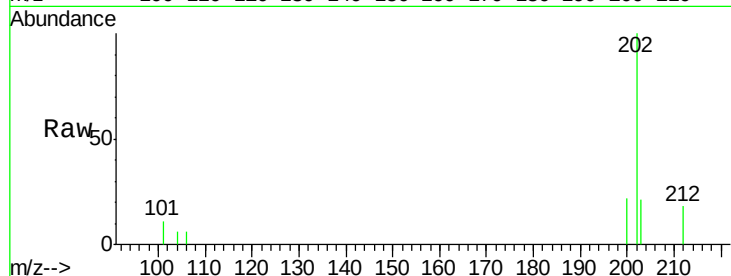
Tgt Ion:202 Resp: 2014

Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.6

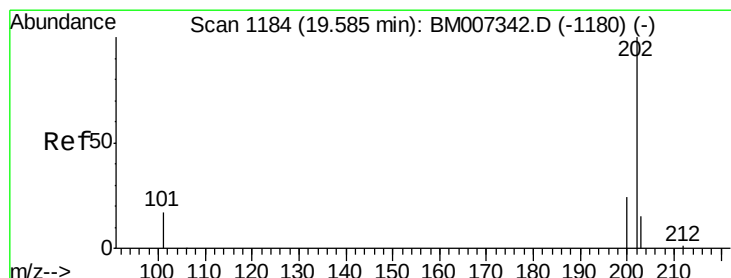
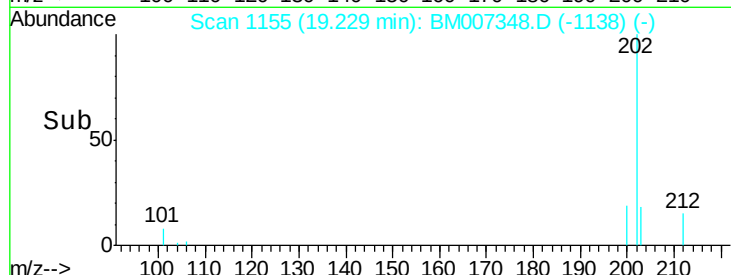
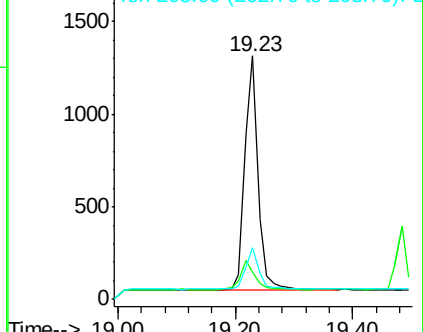
203 21.2 0.0 36.3



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# 1185

Delta R.T. -0.00 min

Lab File: BM007348.D

Acq: 30 Aug 2016 18:41

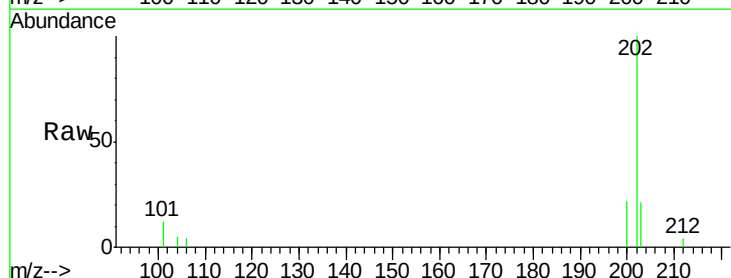
Tgt Ion:202 Resp: 2153

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.8

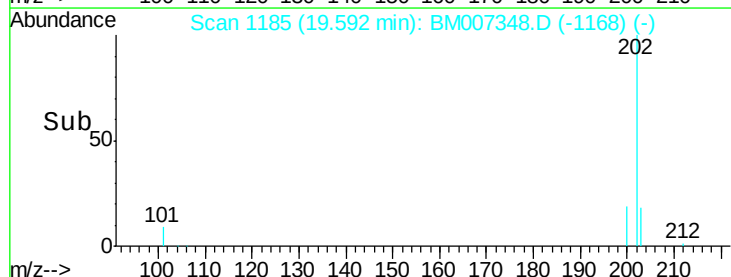
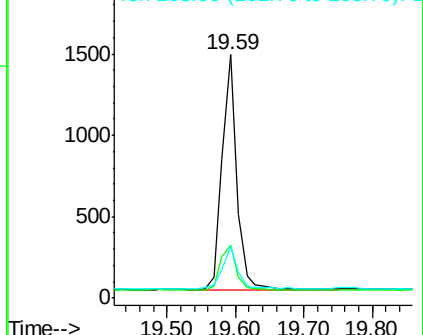
203 21.3 12.8 19.2#

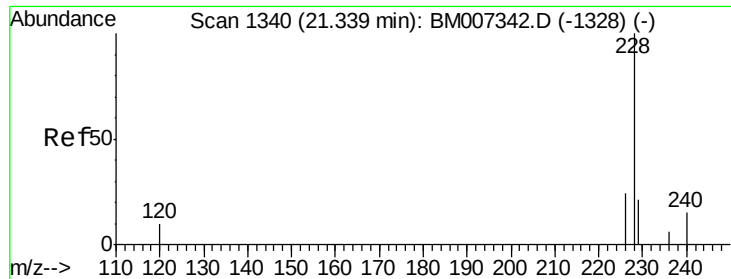


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

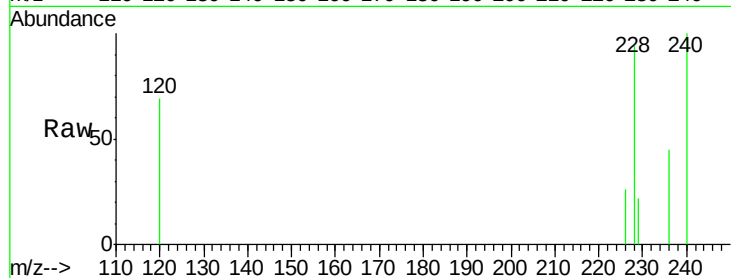
Tgt Ion:228 Resp: 1928

Ion Ratio Lower Upper

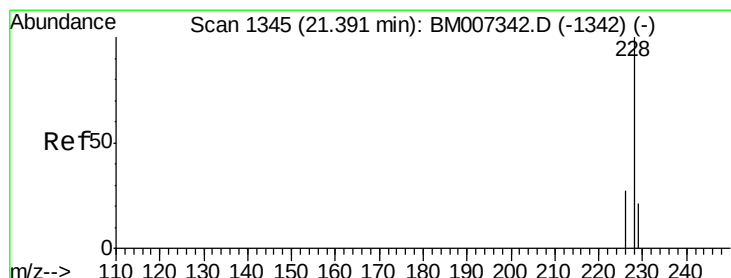
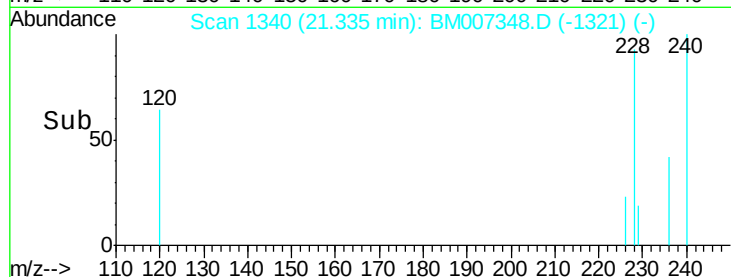
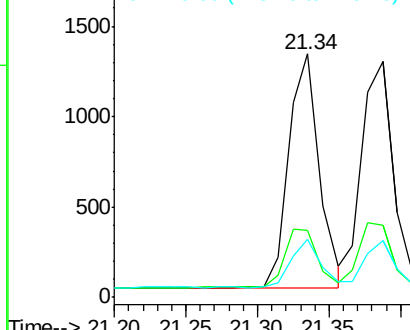
228 100

226 27.5 18.8 28.2

229 24.0 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: BM007348.D

Acq: 30 Aug 2016 18:41

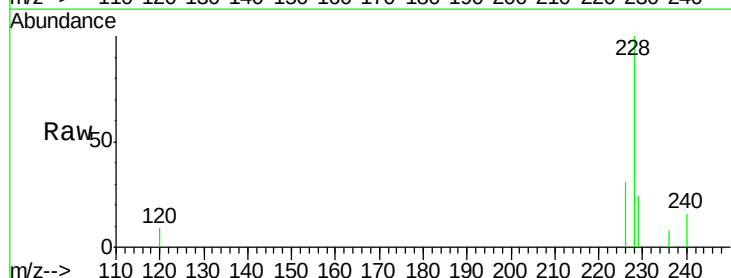
Tgt Ion:228 Resp: 2005

Ion Ratio Lower Upper

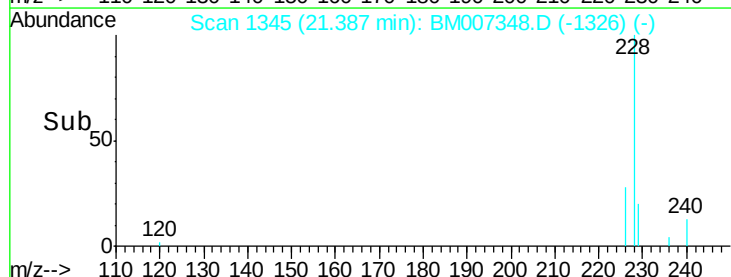
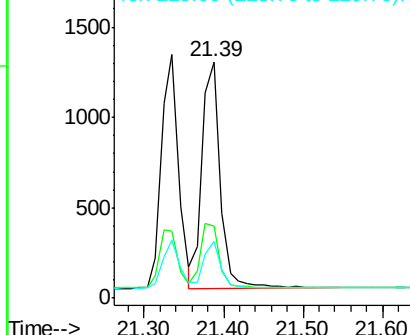
228 100

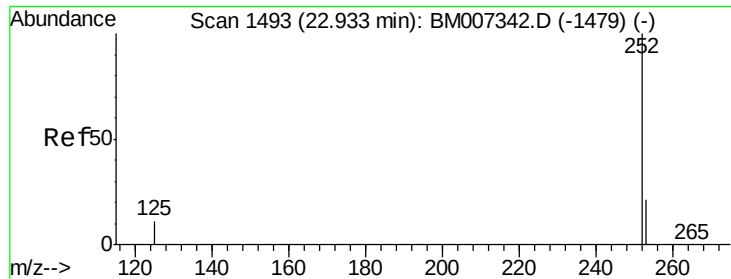
226 30.7 21.2 31.8

229 23.9 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: 0.05 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

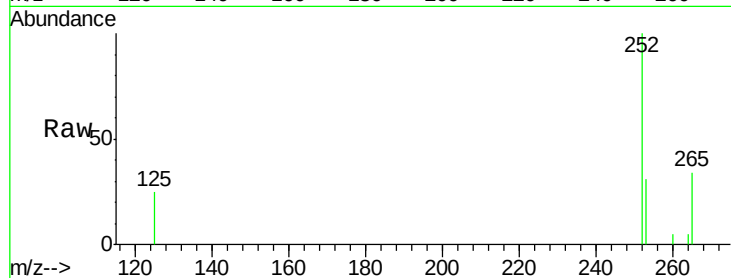
Tgt Ion:252 Resp: 1948

Ion Ratio Lower Upper

252 100

253 30.9 0.0 45.4

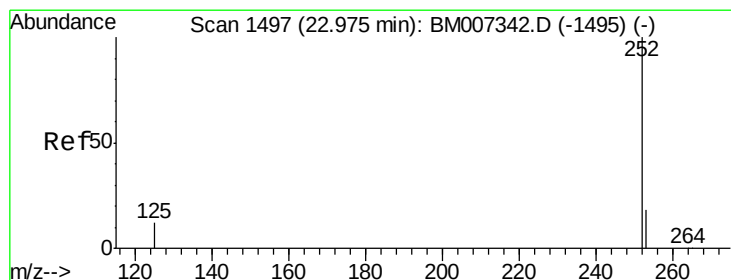
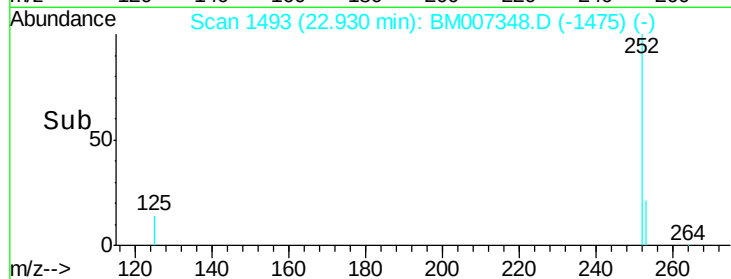
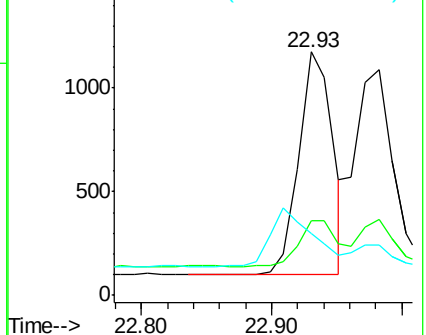
125 25.3 0.0 28.8



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/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007348.D

Acq: 30 Aug 2016 18:41

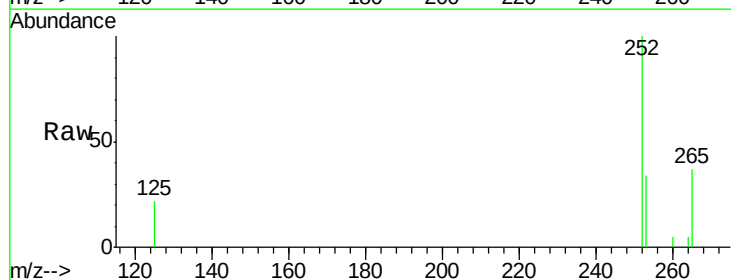
Tgt Ion:252 Resp: 2100

Ion Ratio Lower Upper

252 100

253 33.8 19.8 29.8#

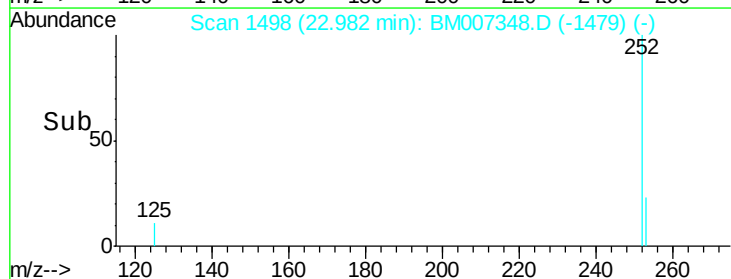
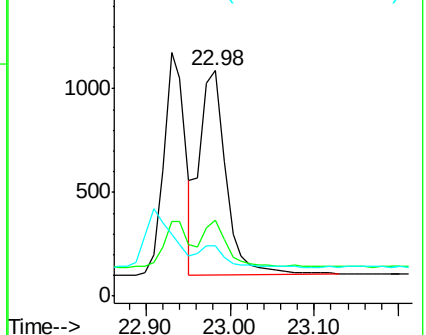
125 22.4 10.4 15.6#

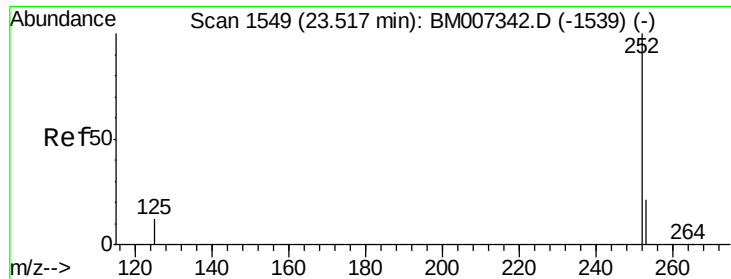


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

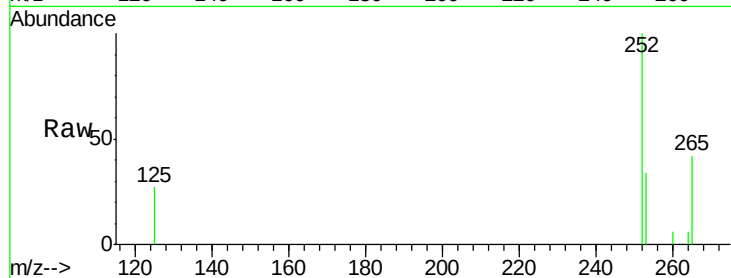
Tgt Ion: 252 Resp: 1890

Ion Ratio Lower Upper

252 100

253 34.1 19.4 29.2#

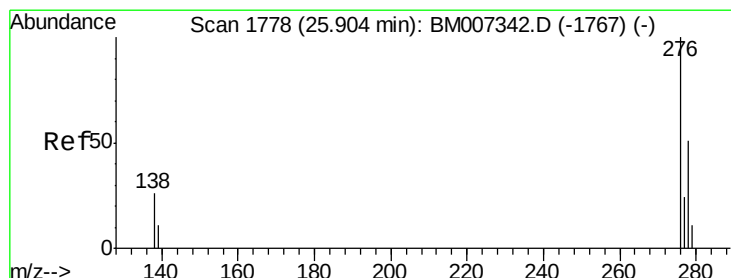
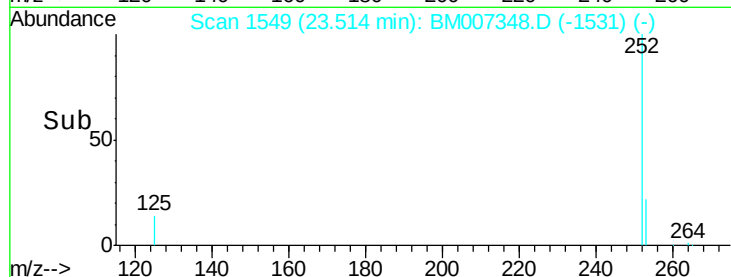
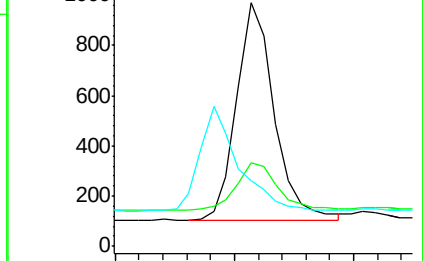
125 27.1 12.7 19.1#



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: BM007348.D

Acq: 30 Aug 2016 18:41

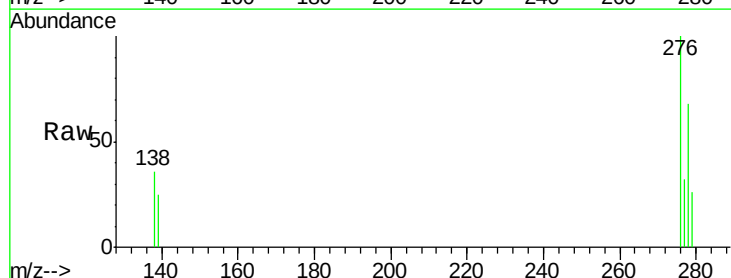
Tgt Ion: 276 Resp: 2012

Ion Ratio Lower Upper

276 100

138 25.5 16.3 24.5#

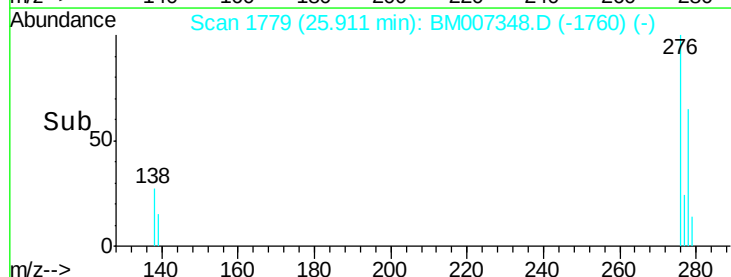
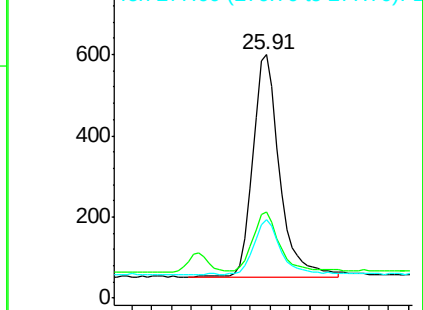
277 24.2 19.8 29.8

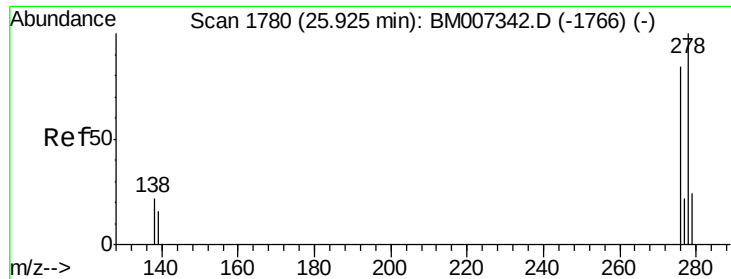


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.92 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM007348.D

Acq: 30 Aug 2016 18:41

Instrument :

BNA_M

ClientSampleId :

MDL-06-W

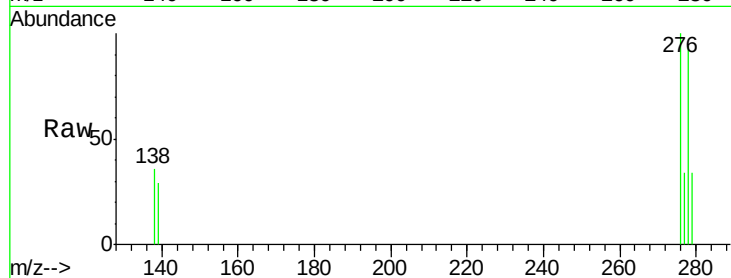
Tgt Ion: 278 Resp: 1576

Ion Ratio Lower Upper

278 100

139 31.1 16.4 24.6#

279 36.4 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

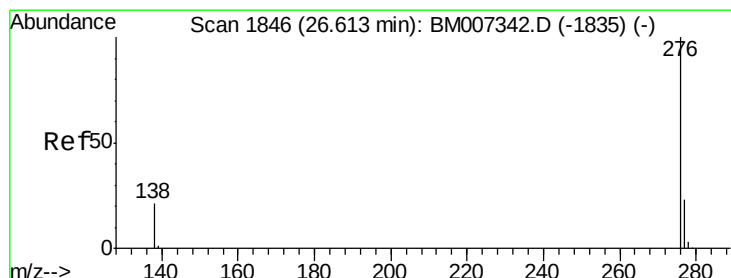
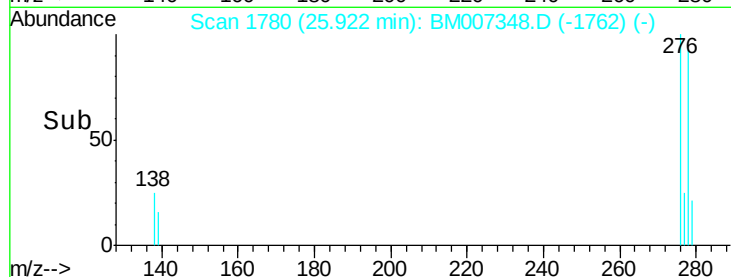
25.92

400

200

0

Time-->



#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: BM007348.D

Acq: 30 Aug 2016 18:41

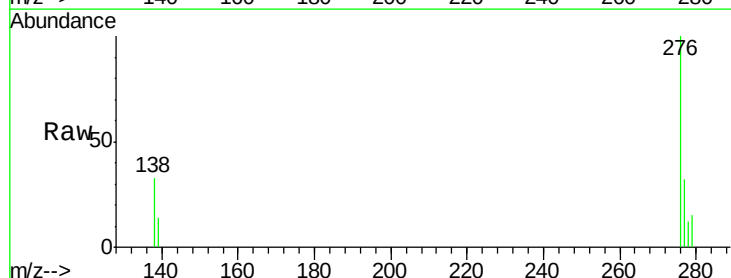
Tgt Ion: 276 Resp: 1730

Ion Ratio Lower Upper

276 100

277 31.6 18.9 28.3#

138 32.5 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

26.61

400

200

0

Time-->

