

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083016\
 Data File : BM007349.D
 Acq On : 30 Aug 2016 19:17
 Operator : UM/SJ
 Sample : MDL-07-W
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

Quant Time: Aug 31 02:17:09 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	1251	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	5257	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3560	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	9472	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	10384	0.40	ng/ul	-0.01
20) Perylene-d12	23.62	264	10367	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	1926	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	6337	0.30	ng/ul	-0.01

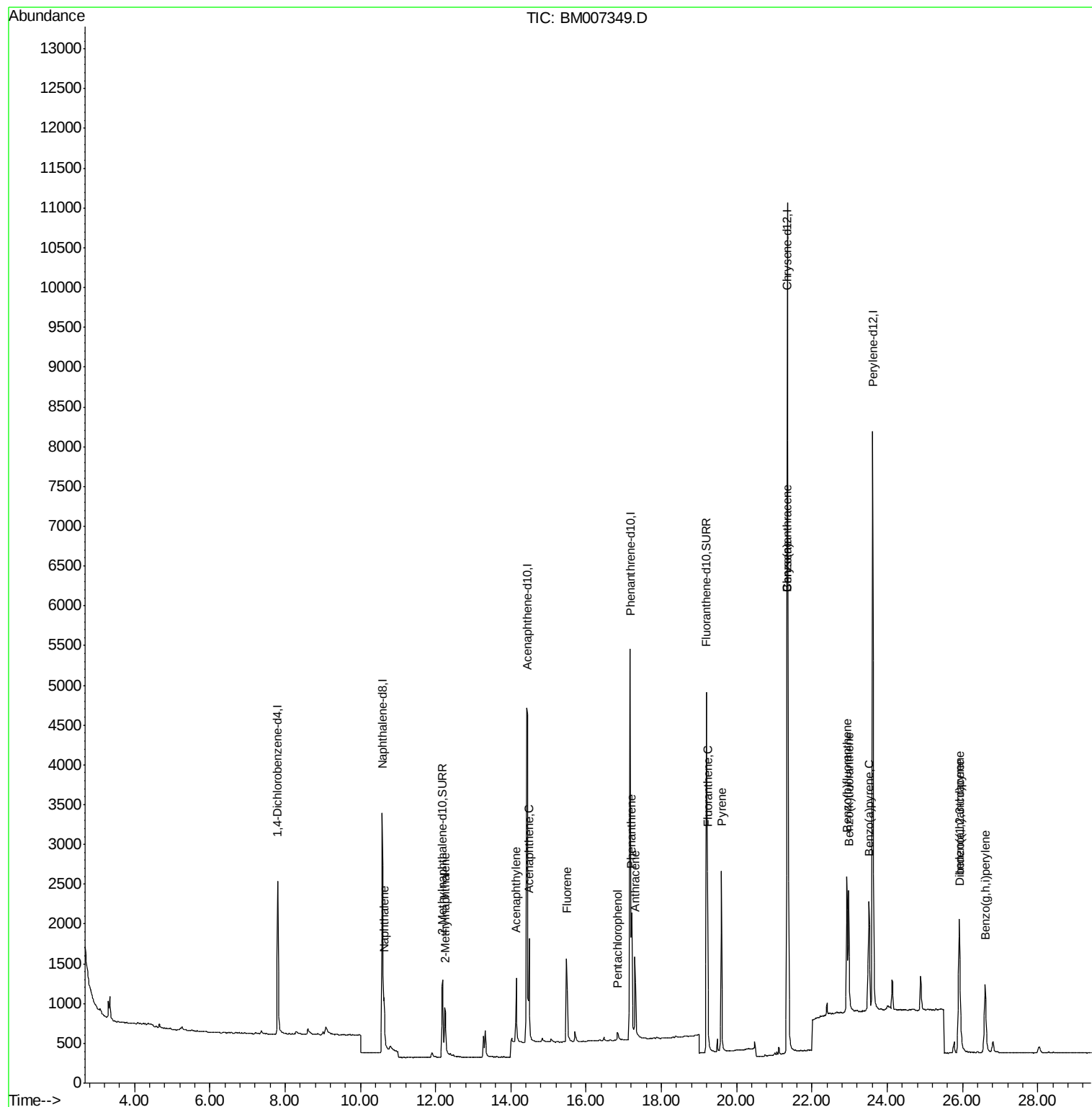
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	906	0.07	ng/ul#	74
5) 2-Methylnaphthalene	12.25	142	621	0.07	ng/ul	95
7) Acenaphthylene	14.14	152	1092	0.06	ng/ul#	90
8) Acenaphthene	14.49	153	820	0.07	ng/ul#	88
9) Fluorene	15.48	166	968	0.07	ng/ul#	78
11) Pentachlorophenol	16.83	266	131	0.06	ng/ul	95
12) Phenanthrene	17.21	178	1774	0.07	ng/ul#	90
13) Anthracene	17.30	178	1596	0.06	ng/ul#	86
15) Fluoranthene	19.23	202	2249	0.07	ng/ul	91
17) Pyrene	19.59	202	2363	0.07	ng/ul#	95
18) Benzo(a)anthracene	21.34	228	2161	0.07	ng/ul	93
19) Chrysene	21.34	228	2161	0.07	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	2346	0.06	ng/ul	84
22) Benzo(k)fluoranthene	22.97	252	2426	0.08	ng/ul#	86
23) Benzo(a)pyrene	23.51	252	2253	0.07	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.91	276	2399	0.06	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.92	278	1872	0.06	ng/ul#	83
26) Benzo(g,h,i)perylene	26.60	276	2070	0.06	ng/ul#	90

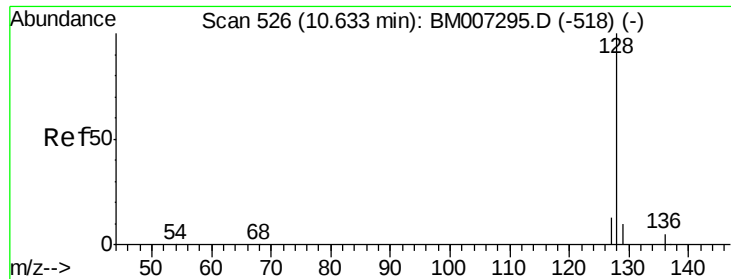
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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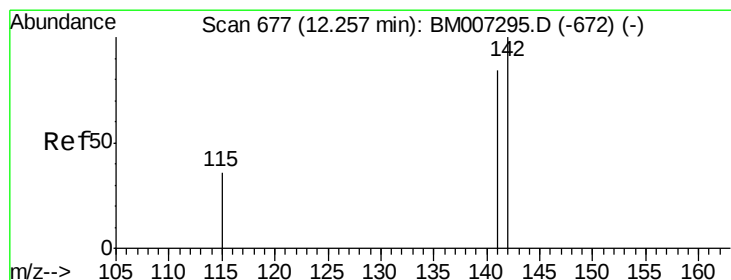
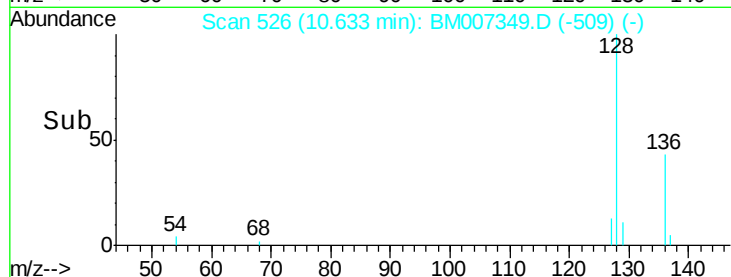
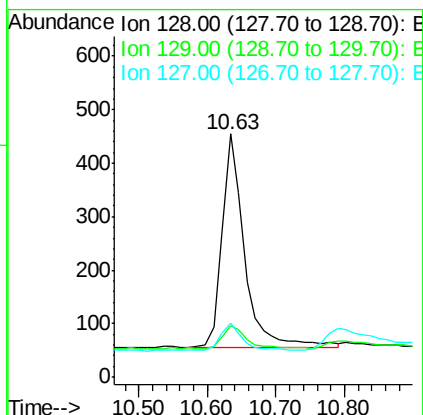
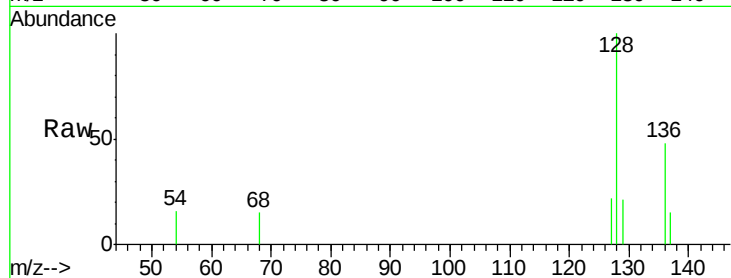




#3
Naphthalene
Concen: 0.07 ng/ul
RT: 10.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: BM007349.D
Acq: 30 Aug 2016 19:17

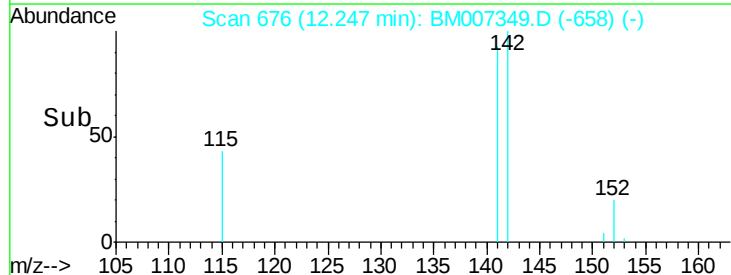
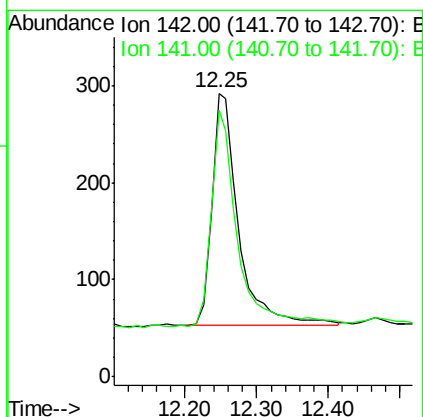
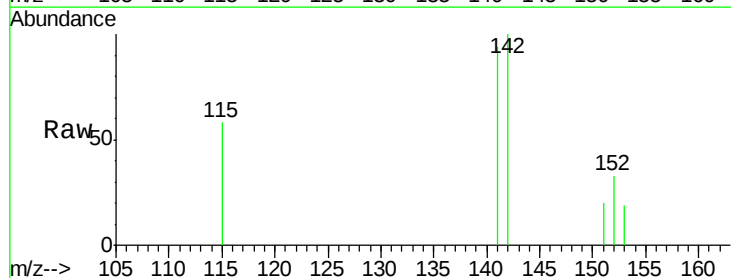
Instrument :
BNA_M
ClientSampleId :
MDL-07-W

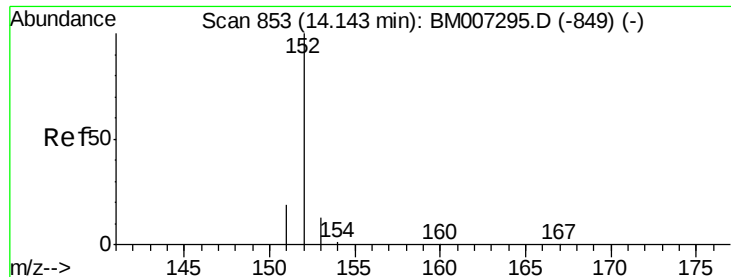
Tgt Ion:128 Resp: 906
Ion Ratio Lower Upper
128 100
129 21.3 9.0 13.6#
127 22.0 9.6 14.4#



#5
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.25 min Scan# 676
Delta R.T. -0.01 min
Lab File: BM007349.D
Acq: 30 Aug 2016 19:17

Tgt Ion:142 Resp: 621
Ion Ratio Lower Upper
142 100
141 92.9 70.3 105.5





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

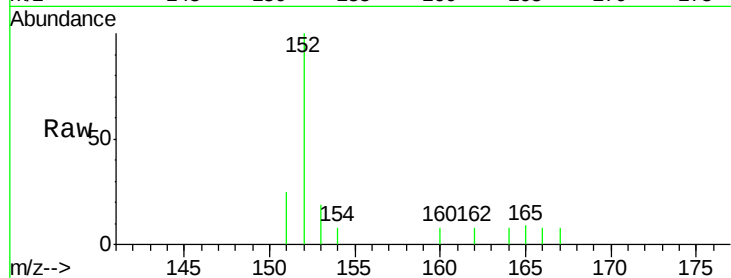
Tgt Ion:152 Resp: 1092

Ion Ratio Lower Upper

152 100

151 24.8 17.6 26.4

153 19.2 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

14.14

600

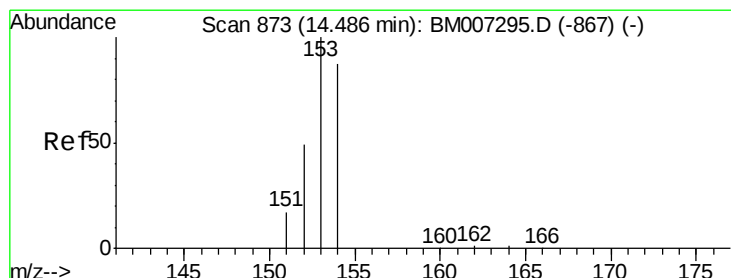
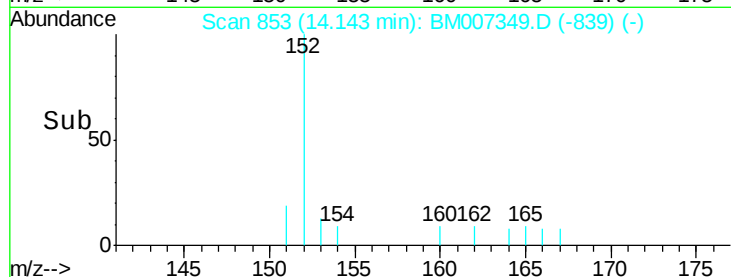
400

200

0

14.00 14.10 14.20 14.30

Time-->



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

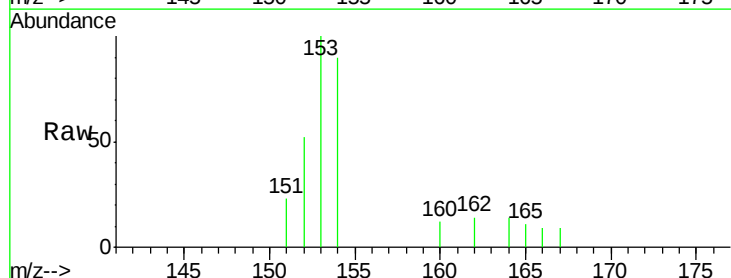
Tgt Ion:153 Resp: 820

Ion Ratio Lower Upper

153 100

152 52.0 33.9 50.9#

154 90.4 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

14.49

600

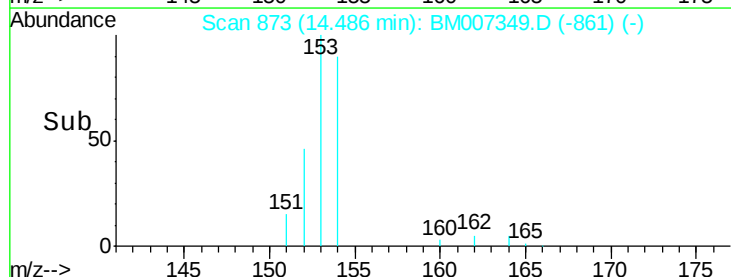
400

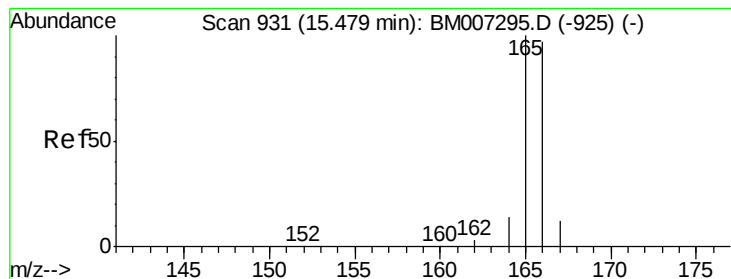
200

0

14.40 14.60

Time-->





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

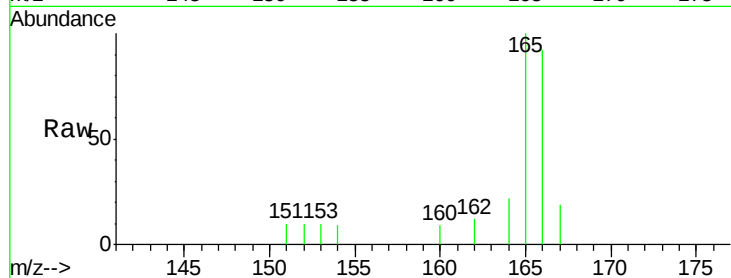
Tgt Ion:166 Resp: 968

Ion Ratio Lower Upper

166 100

165 108.9 69.6 104.4#

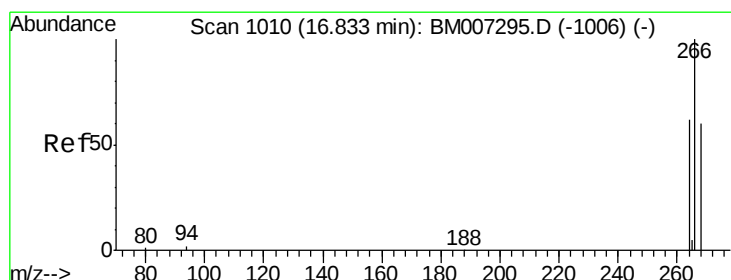
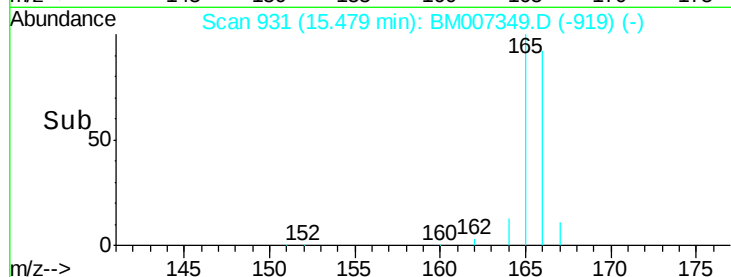
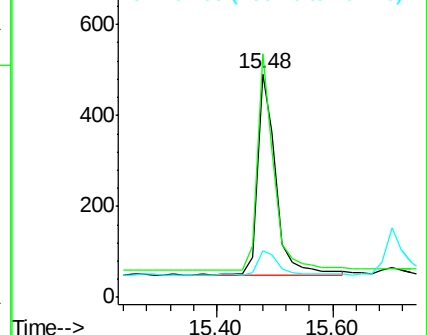
167 20.9 11.9 17.9#



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: 0.06 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

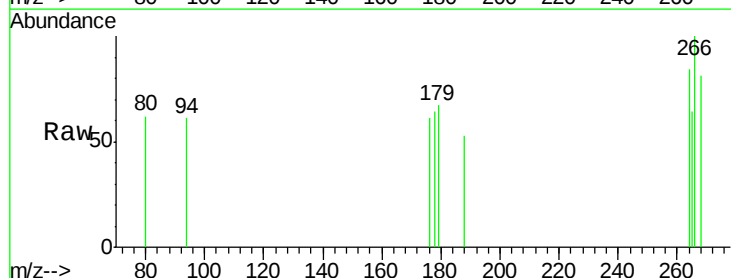
Tgt Ion:266 Resp: 131

Ion Ratio Lower Upper

266 100

264 58.0 51.8 77.8

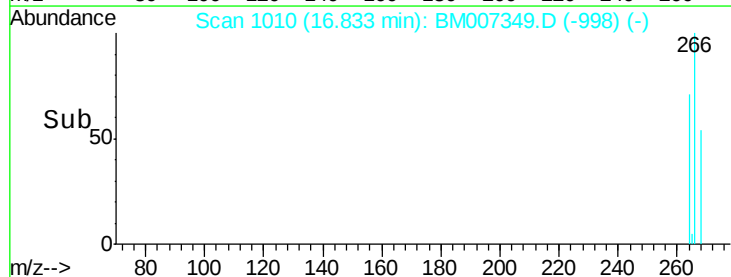
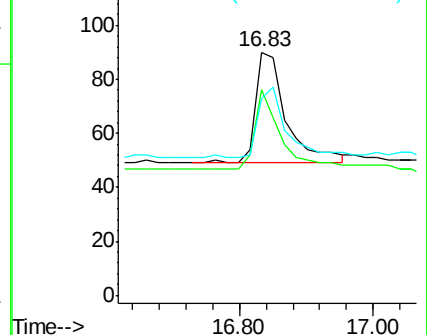
268 59.5 46.8 70.2

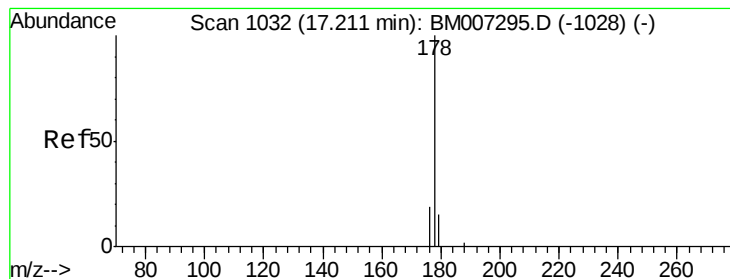


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

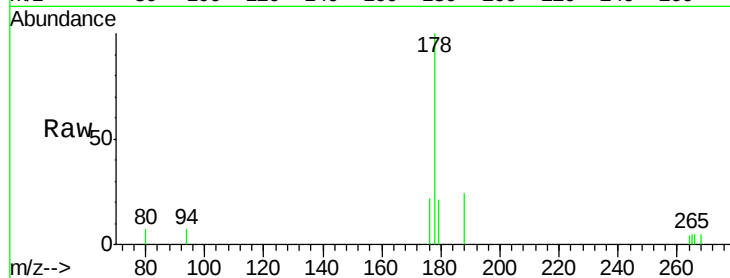
Tgt Ion:178 Resp: 1774

Ion Ratio Lower Upper

178 100

176 21.9 13.0 19.4#

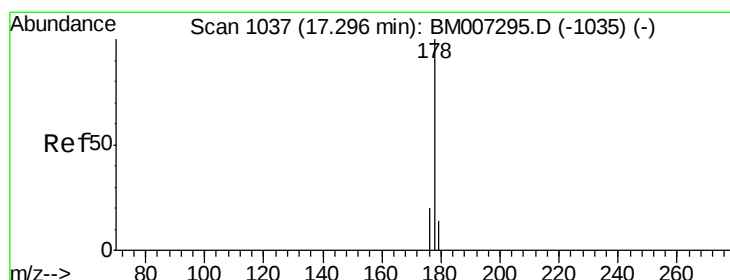
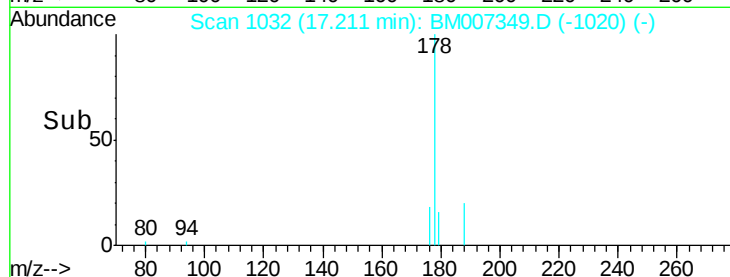
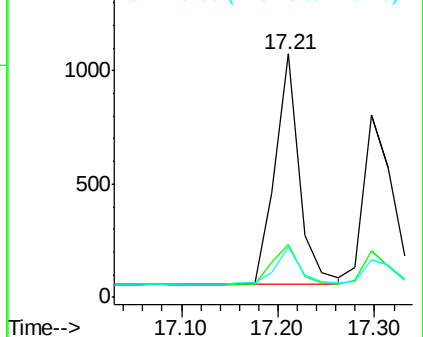
179 20.7 14.2 21.2



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: 0.06 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

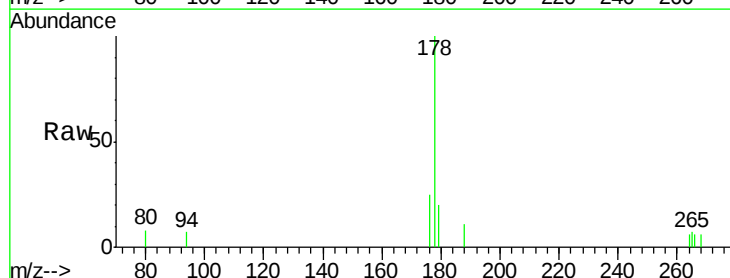
Tgt Ion:178 Resp: 1596

Ion Ratio Lower Upper

178 100

176 25.2 14.0 21.0#

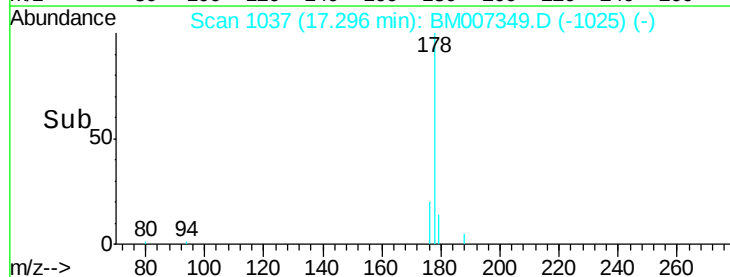
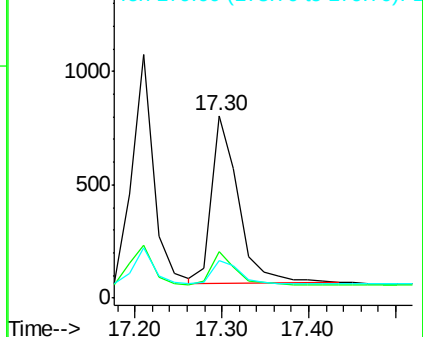
179 20.5 12.9 19.3#

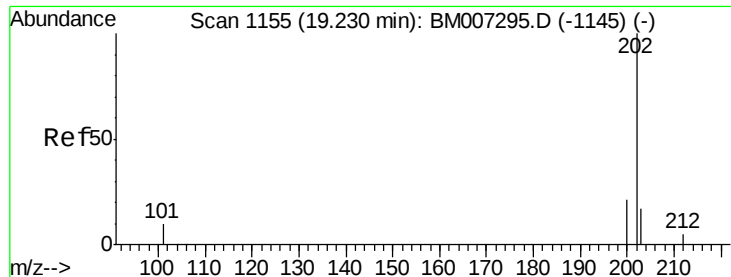


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

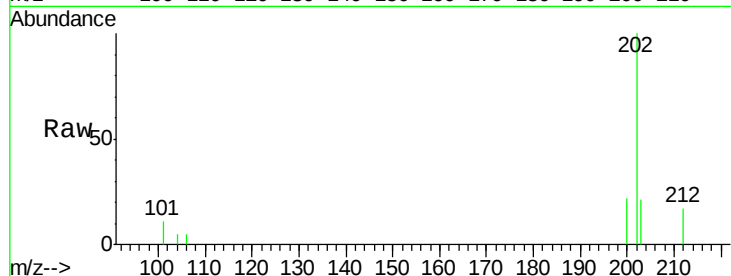
Tgt Ion:202 Resp: 2249

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

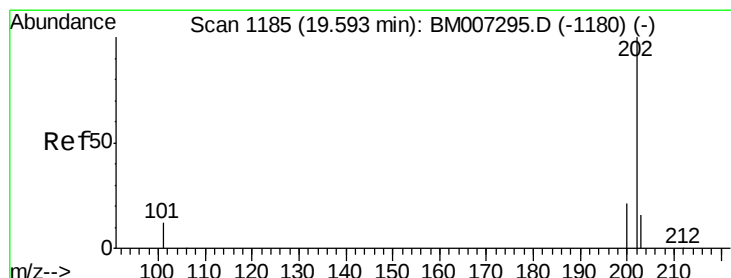
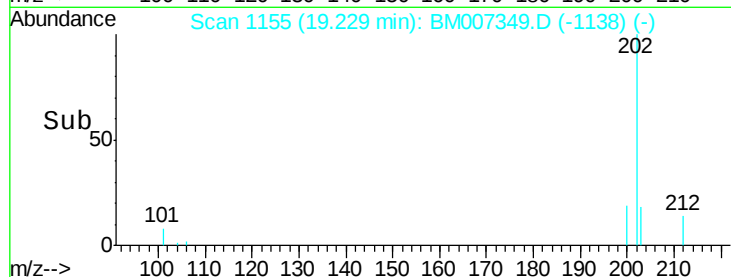
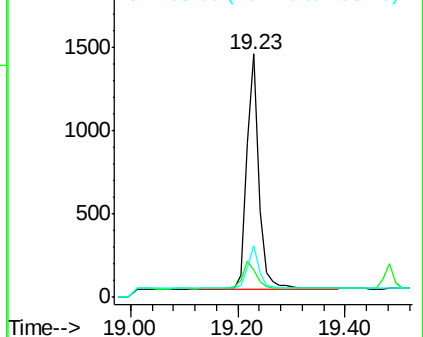
203 21.1 0.0 36.3



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: BM007349.D

Acq: 30 Aug 2016 19:17

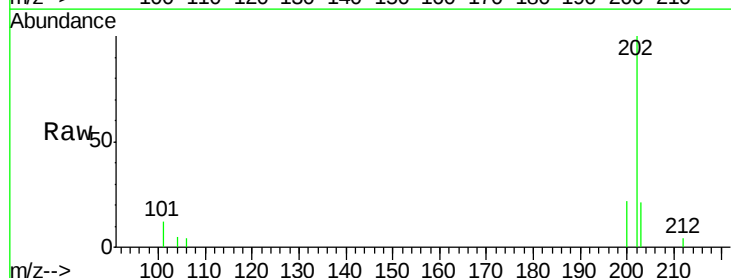
Tgt Ion:202 Resp: 2363

Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.8

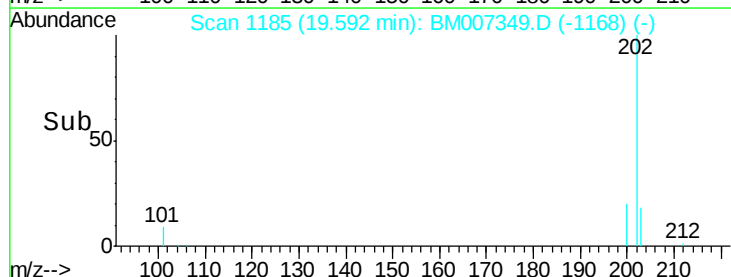
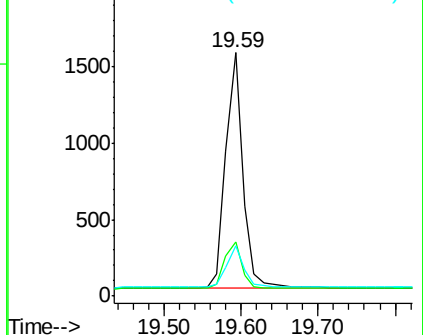
203 20.6 12.8 19.2#

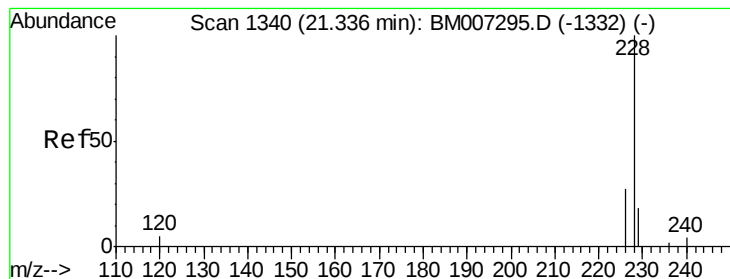


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

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ClientSampleId :

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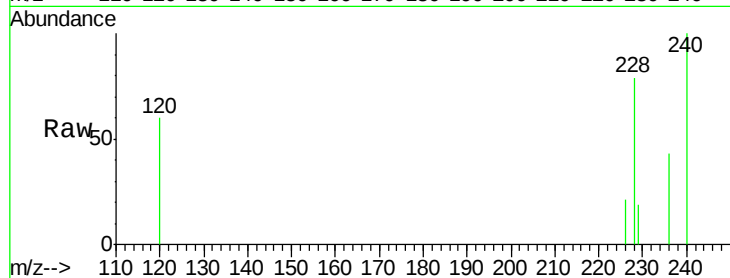
Tgt Ion:228 Resp: 2161

Ion Ratio Lower Upper

228 100

226 27.2 18.8 28.2

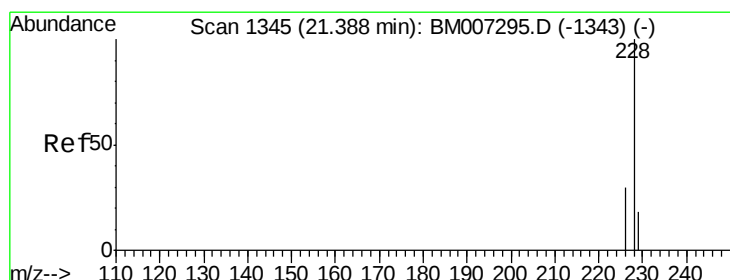
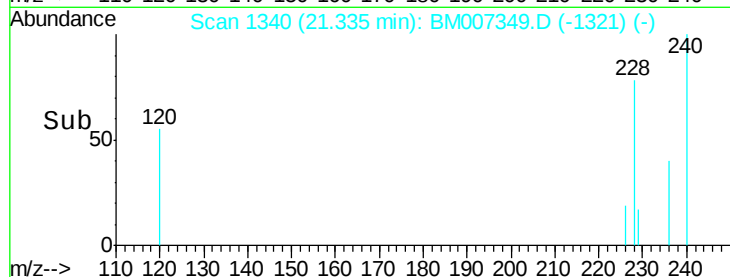
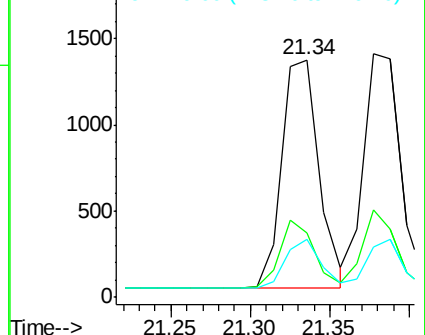
229 24.5 17.1 25.7



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: 0.07 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.05 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

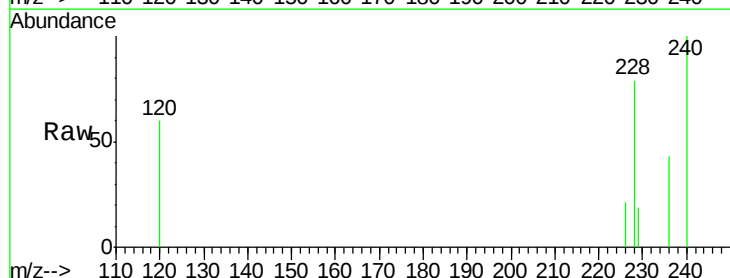
Tgt Ion:228 Resp: 2161

Ion Ratio Lower Upper

228 100

226 27.2 21.2 31.8

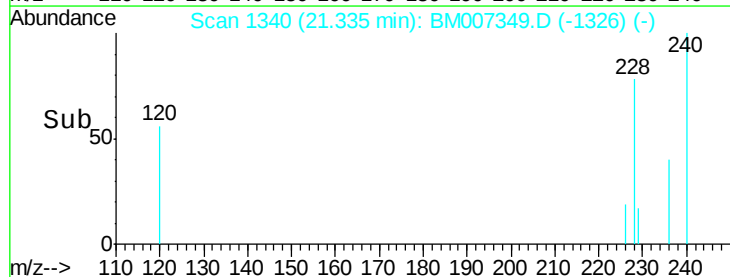
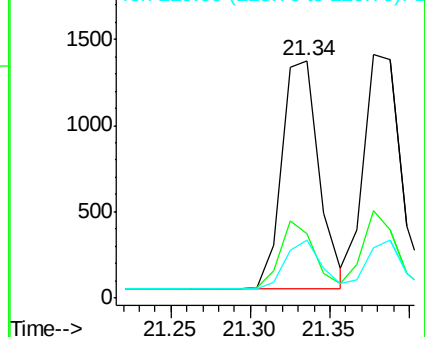
229 24.5 17.0 25.6

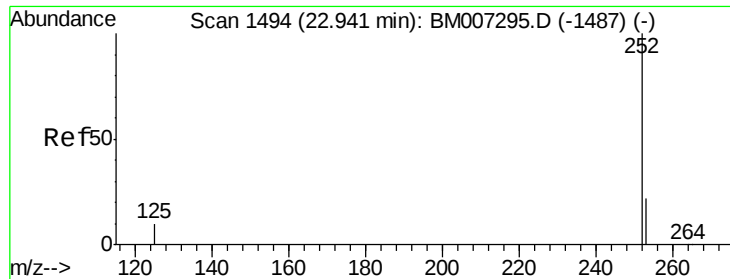


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.06 ng/u1

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

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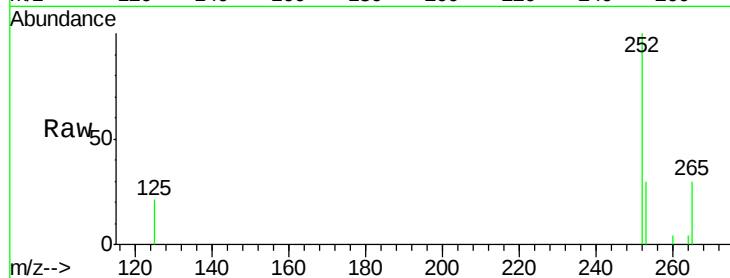
Tgt Ion:252 Resp: 2346

Ion Ratio Lower Upper

252 100

253 30.0 0.0 45.4

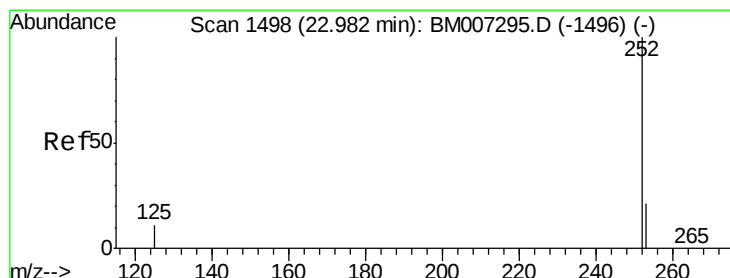
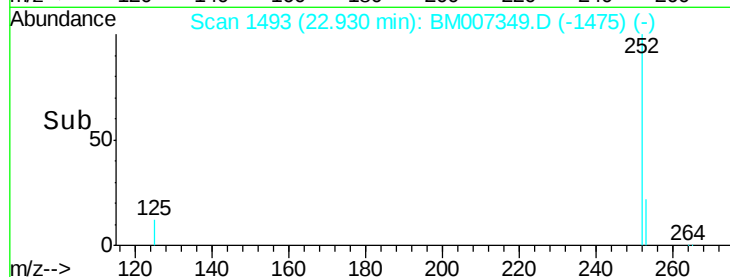
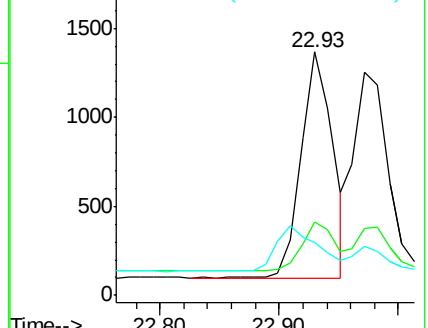
125 21.5 0.0 28.8



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: 0.08 ng/u1

RT: 22.97 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

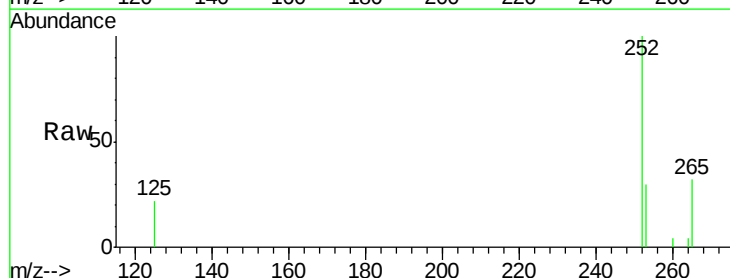
Tgt Ion:252 Resp: 2426

Ion Ratio Lower Upper

252 100

253 30.0 19.8 29.8#

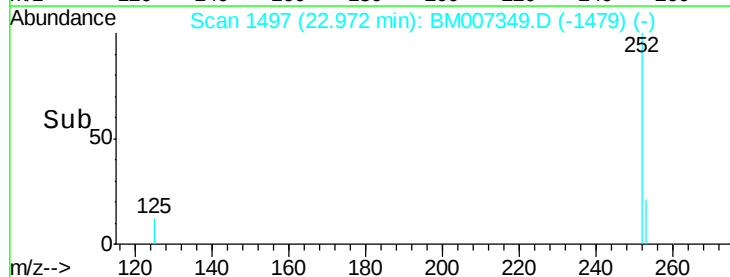
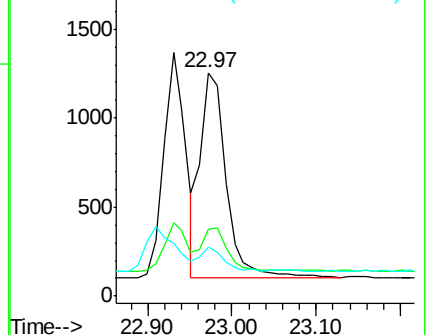
125 21.7 10.4 15.6#

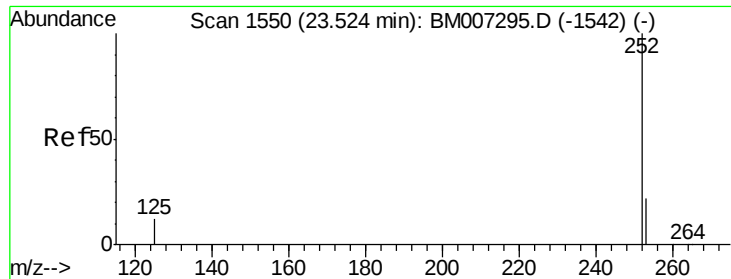


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

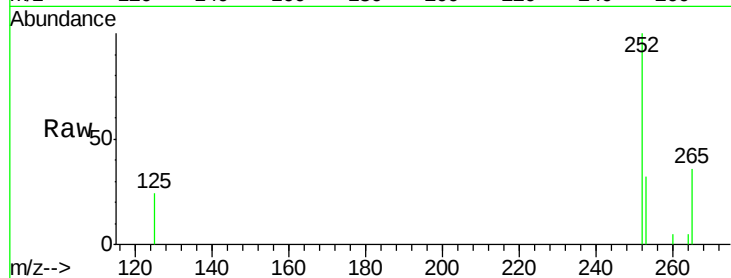
Tgt Ion:252 Resp: 2253

Ion Ratio Lower Upper

252 100

253 32.0 19.4 29.2#

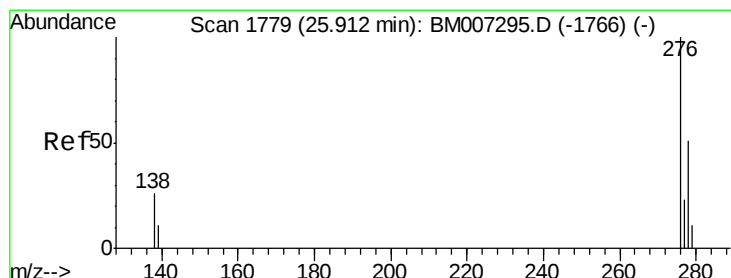
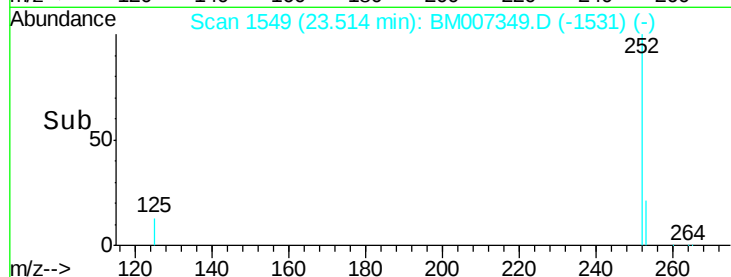
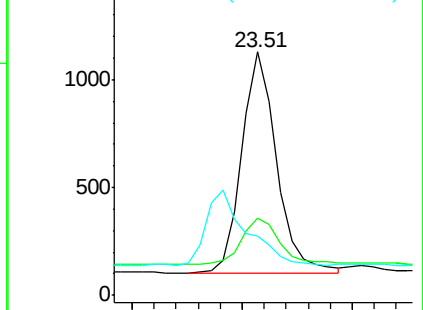
125 24.2 12.7 19.1#



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: 0.06 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

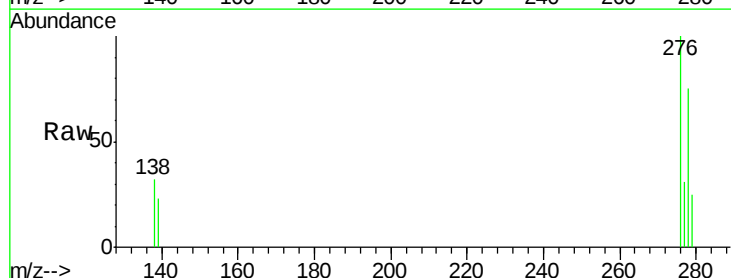
Tgt Ion:276 Resp: 2399

Ion Ratio Lower Upper

276 100

138 26.3 16.3 24.5#

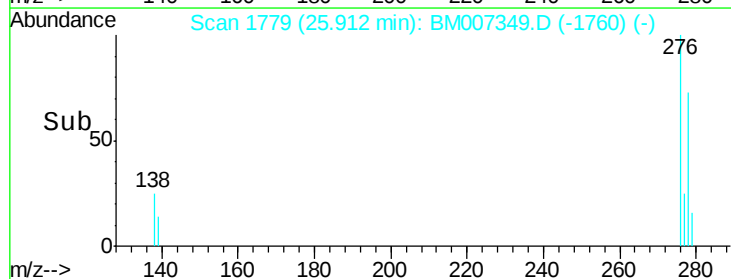
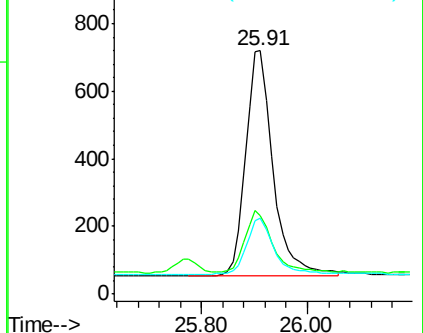
277 24.6 19.8 29.8

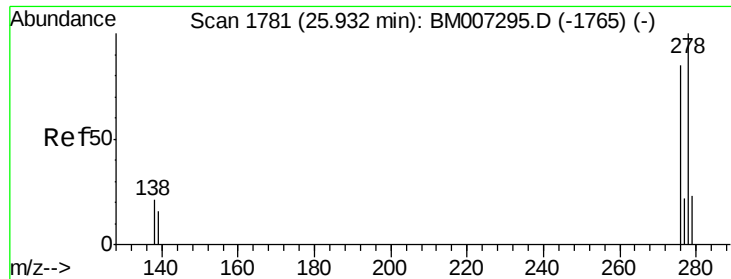


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM007349.D

Acq: 30 Aug 2016 19:17

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

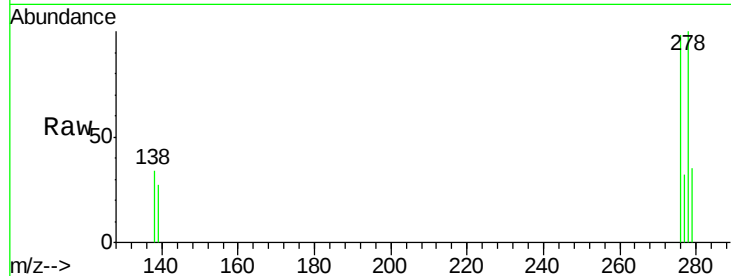
Tgt Ion: 278 Resp: 1872

Ion Ratio Lower Upper

278 100

139 27.4 16.4 24.6#

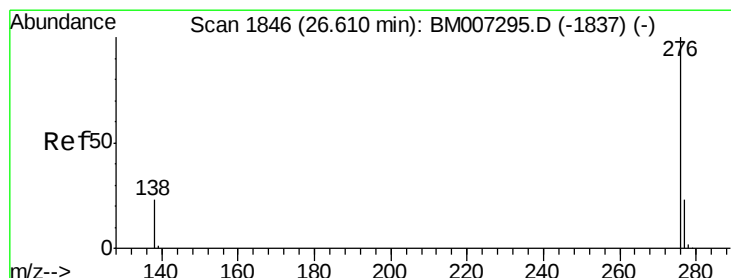
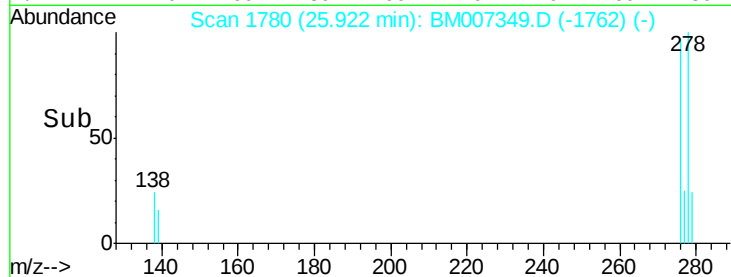
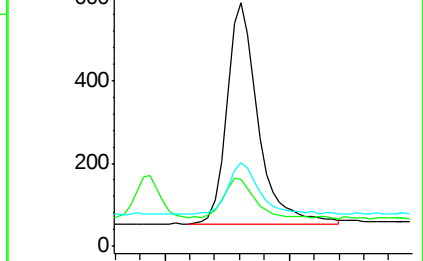
279 34.5 20.2 30.2#



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: 26.60 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM007349.D

Acq: 30 Aug 2016 19:17

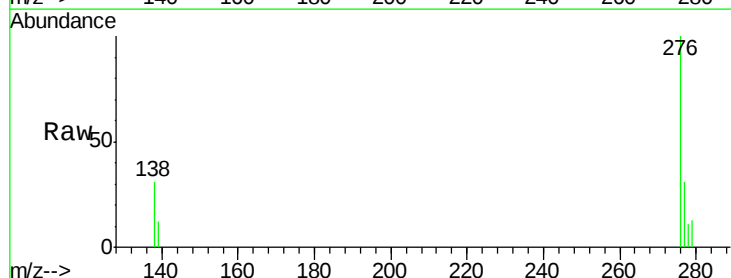
Tgt Ion: 276 Resp: 2070

Ion Ratio Lower Upper

276 100

277 30.8 18.9 28.3#

138 31.3 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

