

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007302.D
 Acq On : 26 Aug 2016 19:41
 Operator : UM/SJ
 Sample : MDL-07-S
 Misc : MDL 0.07
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

Quant Time: Aug 26 23:48:08 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	1149	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	4252	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	2682	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	7577	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	8325	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	8285	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.19	152	1892	0.36	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	6636	0.39	ng/ul	0.00

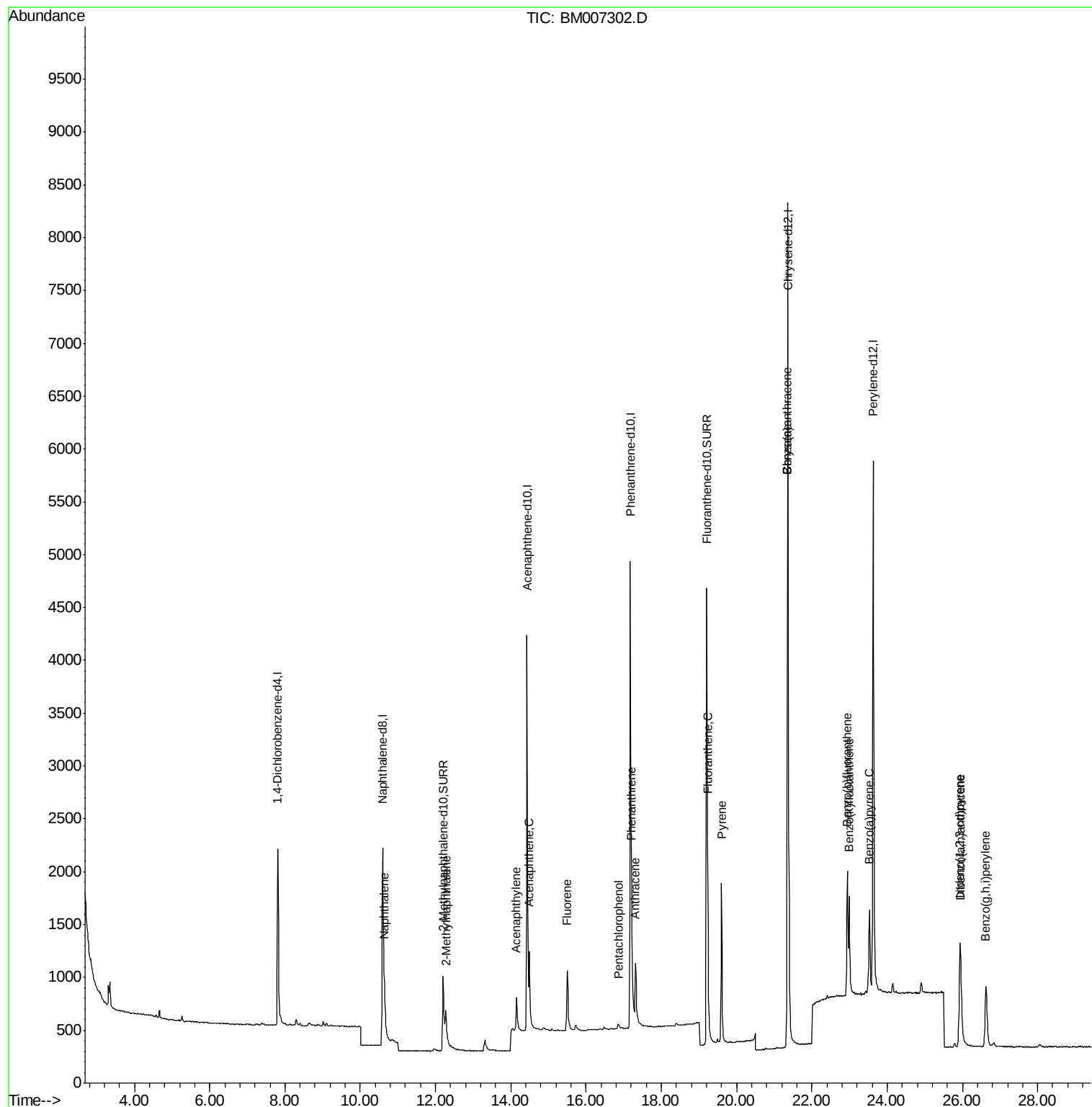
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	605	0.06	ng/ul#	57
5) 2-Methylnaphthalene	12.27	142	409	0.06	ng/ul	98
7) Acenaphthylene	14.14	152	649	0.04	ng/ul#	69
8) Acenaphthene	14.49	153	516	0.06	ng/ul#	79
9) Fluorene	15.50	166	622	0.06	ng/ul#	79
11) Pentachlorophenol	16.85	266	74	0.04	ng/ul#	86
12) Phenanthrene	17.21	178	1243	0.06	ng/ul#	81
13) Anthracene	17.31	178	980	0.05	ng/ul#	76
15) Fluoranthene	19.23	202	1708	0.07	ng/ul	87
17) Pyrene	19.60	202	1713	0.06	ng/ul#	92
18) Benzo(a)anthracene	21.35	228	1376	0.05	ng/ul#	90
19) Chrysene	21.35	228	1376	0.05	ng/ul	94
21) Benzo(b)fluoranthene	22.94	252	1616	0.05	ng/ul	81
22) Benzo(k)fluoranthene	22.99	252	1650	0.07	ng/ul#	78
23) Benzo(a)pyrene	23.53	252	1574	0.06	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.94	276	1687	0.05	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.95	278	1278	0.05	ng/ul#	73
26) Benzo(g,h,i)perylene	26.62	276	1562	0.06	ng/ul#	85

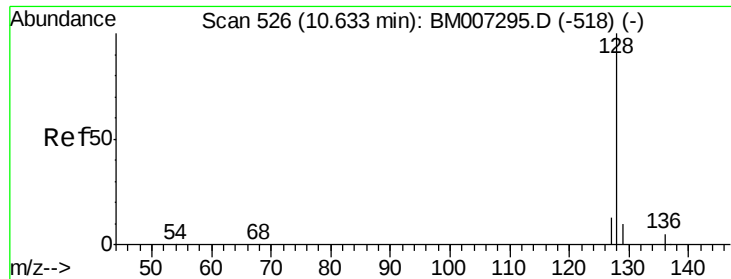
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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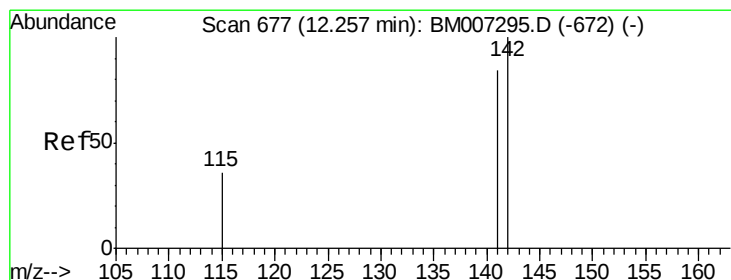
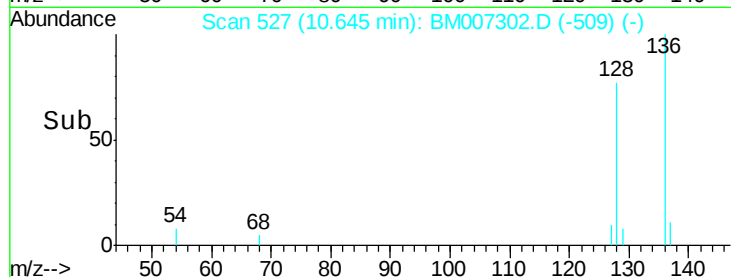
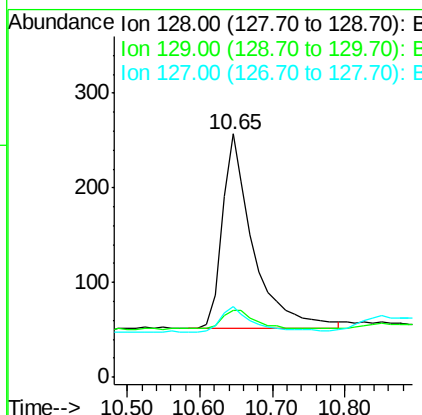
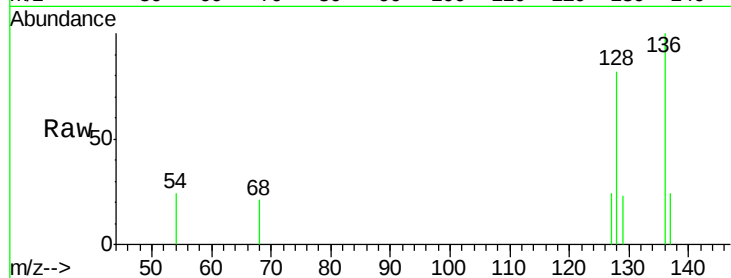




#3
Naphthalene
Concen: 0.06 ng/ul
RT: 10.65 min Scan# 527
Delta R.T. 0.01 min
Lab File: BM007302.D
Acq: 26 Aug 2016 19:41

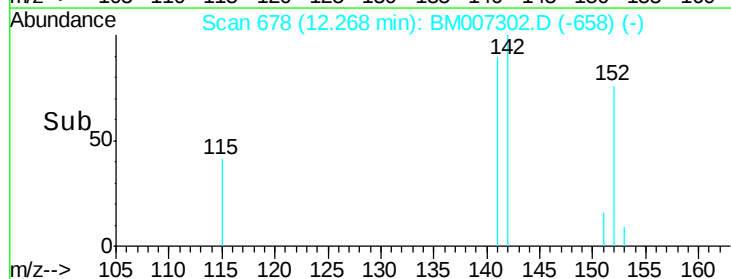
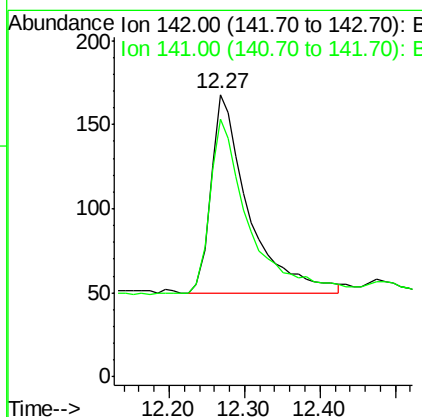
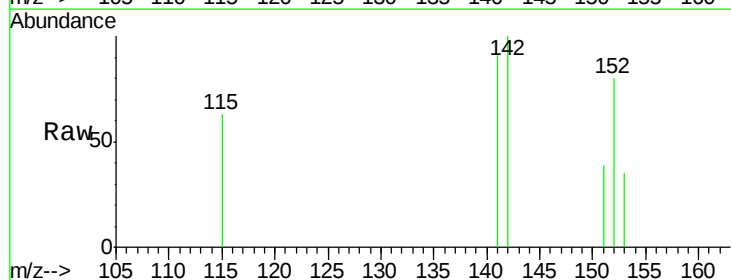
Instrument :
BNA_M
ClientSampleId :
MDL-07-S

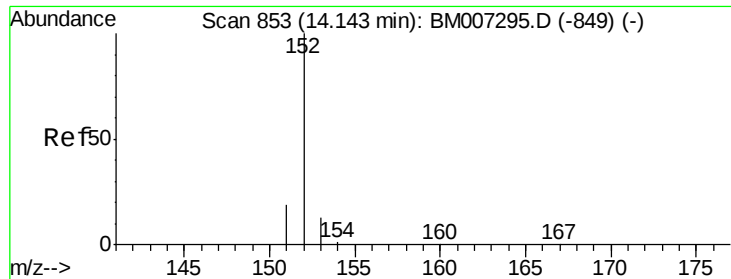
Tgt Ion:128 Resp: 605
Ion Ratio Lower Upper
128 100
129 27.6 9.0 13.6#
127 29.2 9.6 14.4#



#5
2-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 12.27 min Scan# 678
Delta R.T. 0.01 min
Lab File: BM007302.D
Acq: 26 Aug 2016 19:41

Tgt Ion:142 Resp: 409
Ion Ratio Lower Upper
142 100
141 89.7 70.3 105.5





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

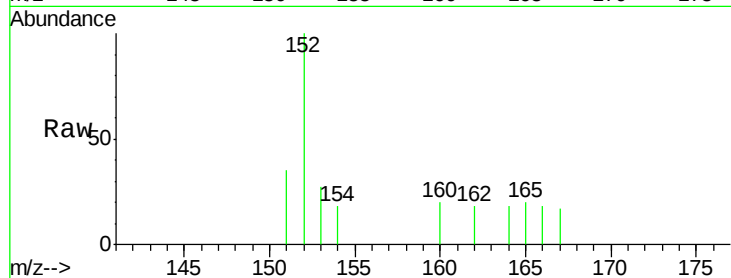
Tgt Ion:152 Resp: 649

Ion Ratio Lower Upper

152 100

151 34.7 17.6 26.4#

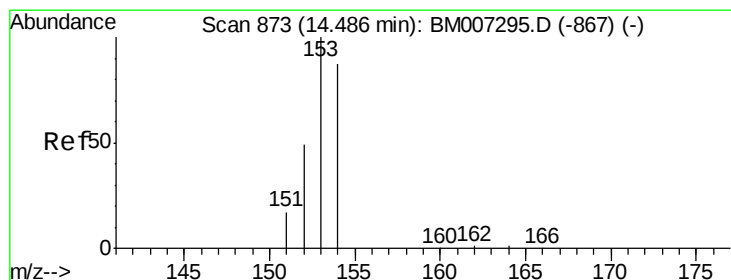
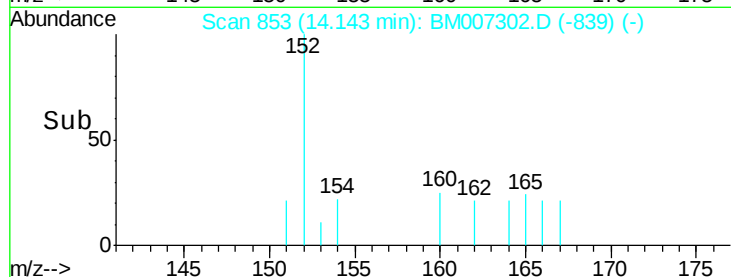
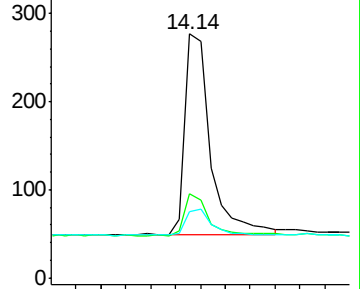
153 27.1 9.7 14.5#



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: 0.06 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

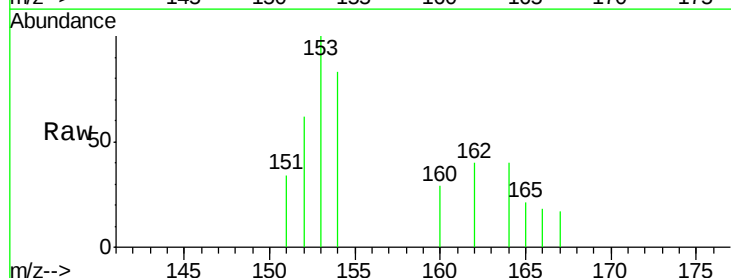
Tgt Ion:153 Resp: 516

Ion Ratio Lower Upper

153 100

152 61.8 33.9 50.9#

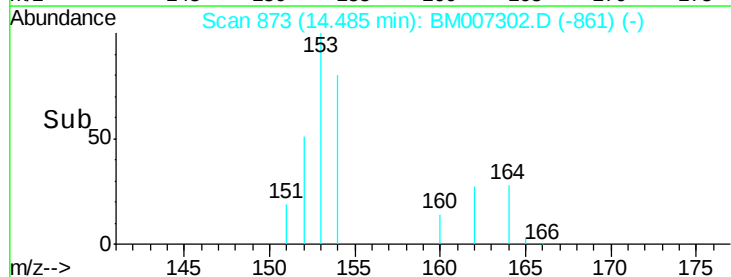
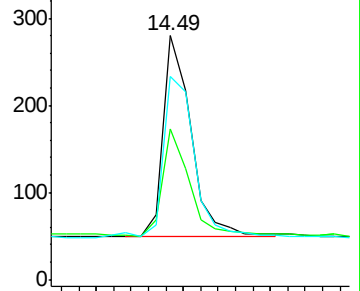
154 83.2 80.6 121.0

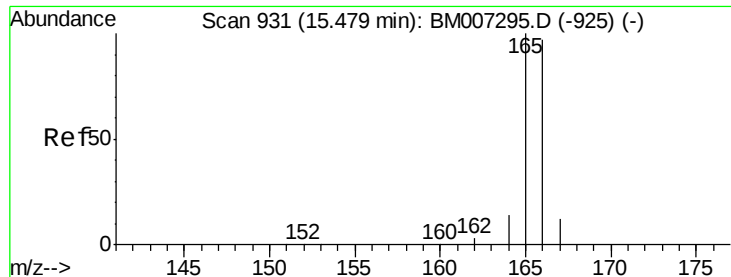


Abundance Ion 153.00 (152.70 to 153.70): E

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: 15.50 min Scan# 932

Delta R.T. 0.02 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

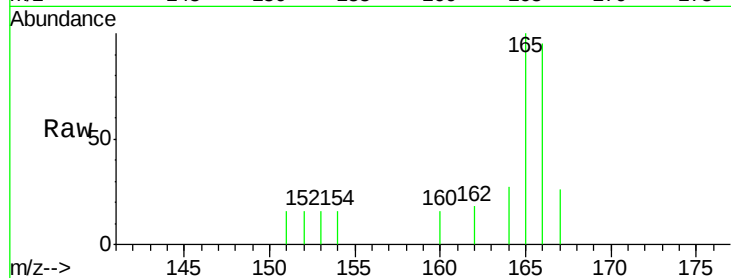
Tgt Ion:166 Resp: 622

Ion Ratio Lower Upper

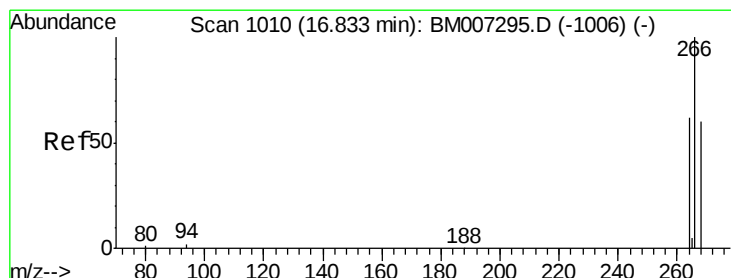
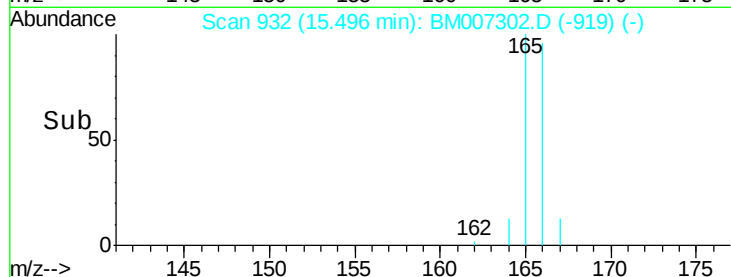
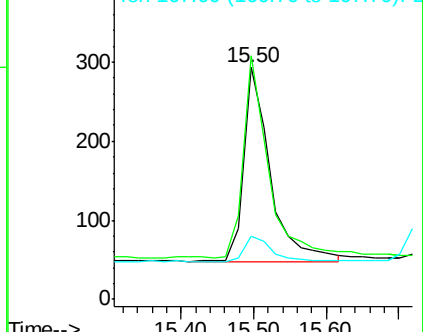
166 100

165 105.1 69.6 104.4#

167 27.3 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: 0.04 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

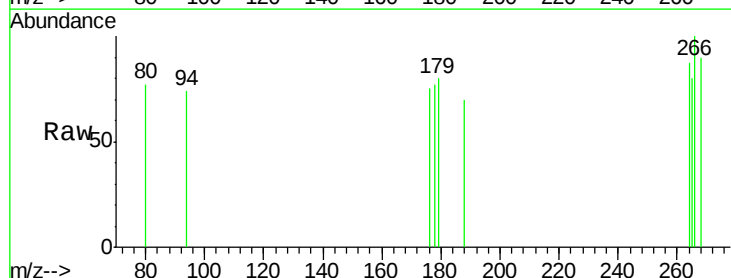
Tgt Ion:266 Resp: 74

Ion Ratio Lower Upper

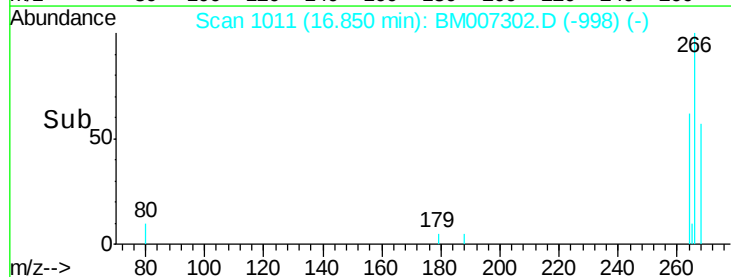
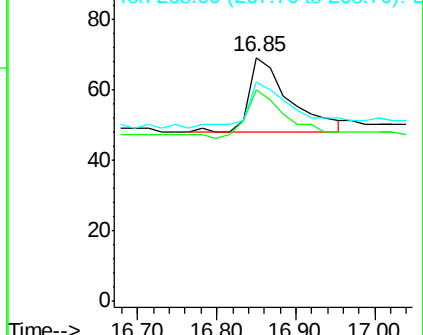
266 100

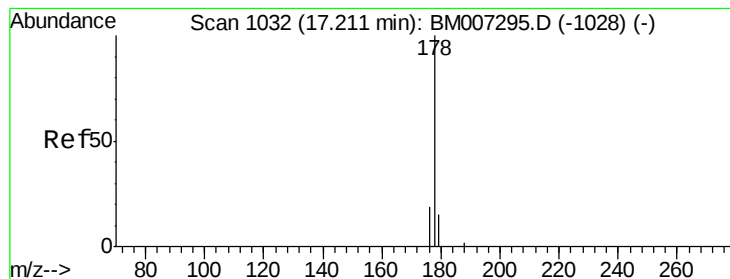
264 68.9 51.8 77.8

268 75.7 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: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

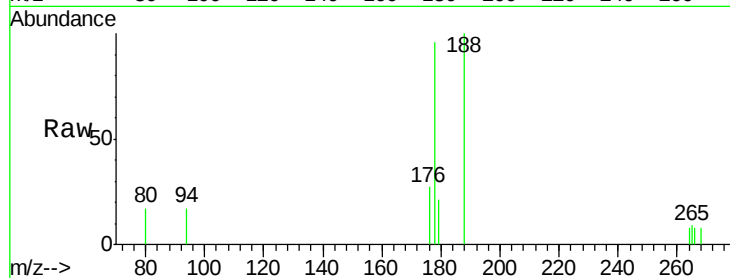
Tgt Ion:178 Resp: 1243

Ion Ratio Lower Upper

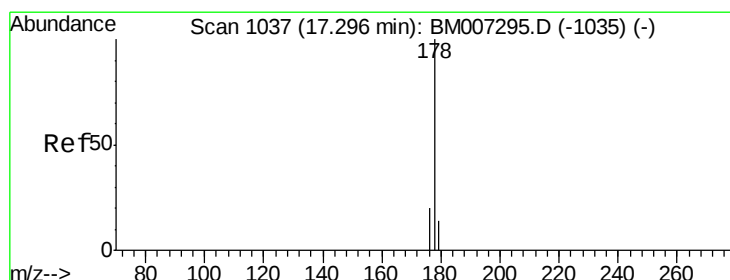
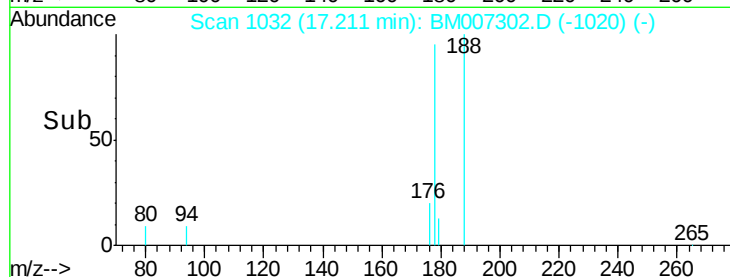
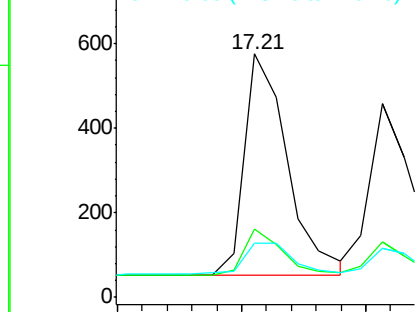
178 100

176 28.3 13.0 19.4#

179 22.2 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: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

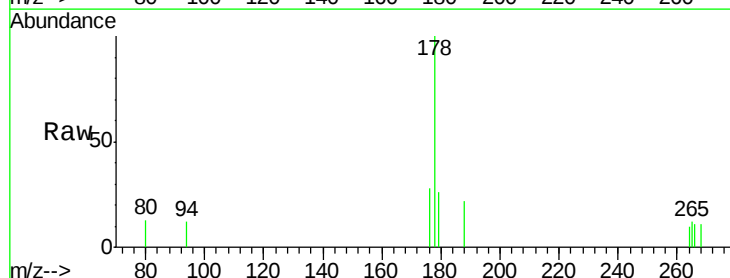
Tgt Ion:178 Resp: 980

Ion Ratio Lower Upper

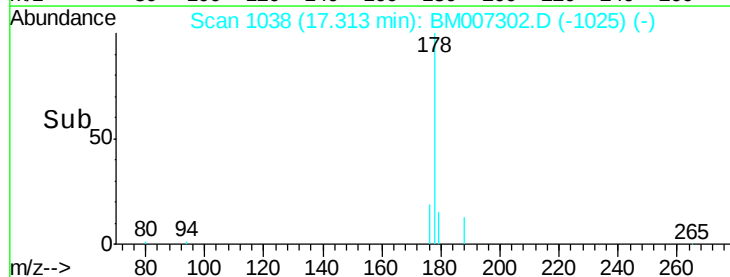
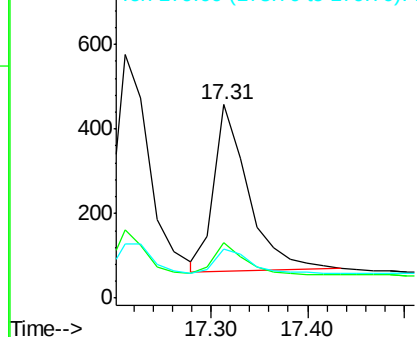
178 100

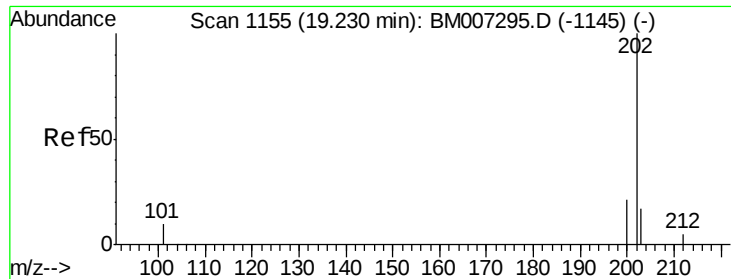
176 28.4 14.0 21.0#

179 25.5 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: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

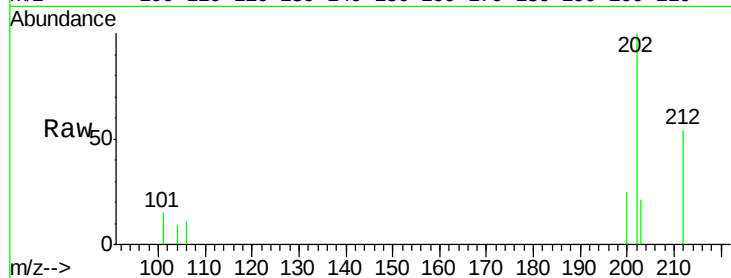
Tgt Ion:202 Resp: 1708

Ion Ratio Lower Upper

202 100

101 14.7 0.0 29.6

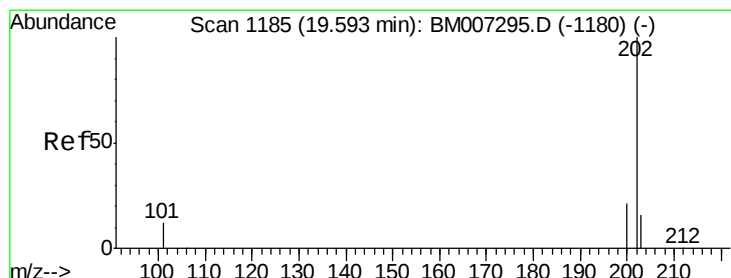
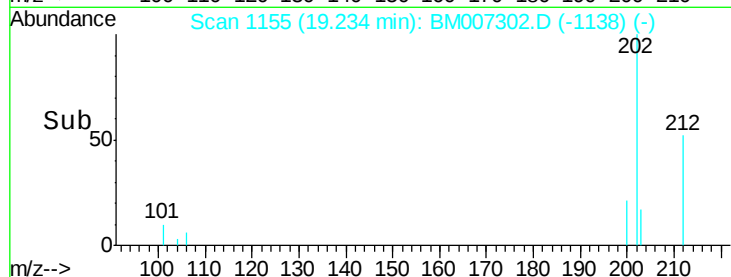
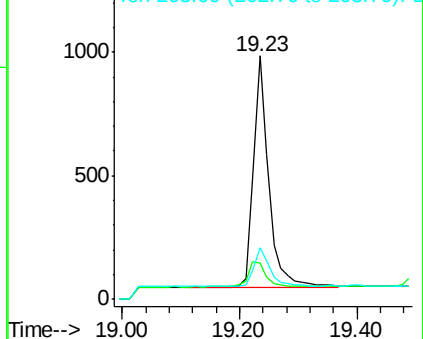
203 21.3 0.0 36.3



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: 19.60 min Scan# 1185

Delta R.T. 0.00 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

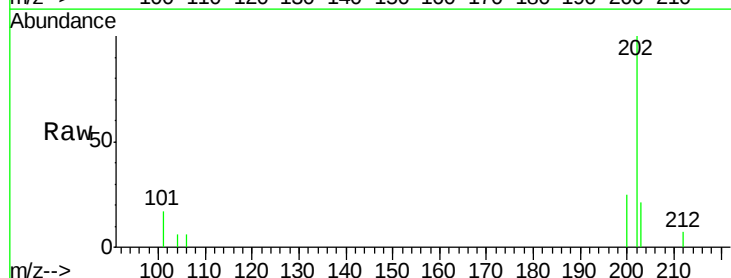
Tgt Ion:202 Resp: 1713

Ion Ratio Lower Upper

202 100

200 24.8 17.8 26.8

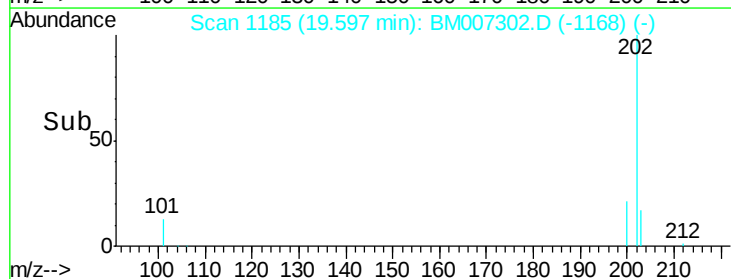
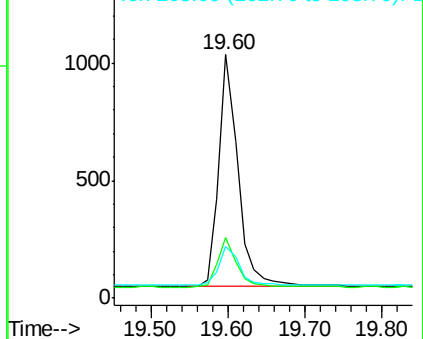
203 21.2 12.8 19.2#

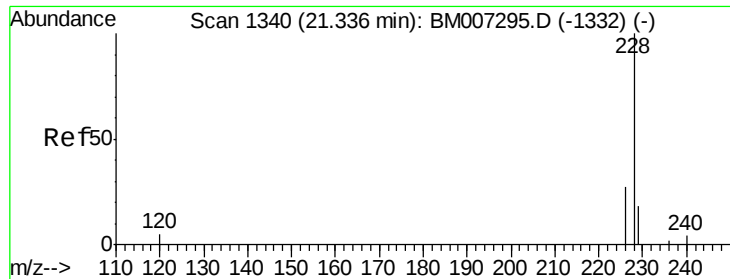


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampled :

MDL-07-S

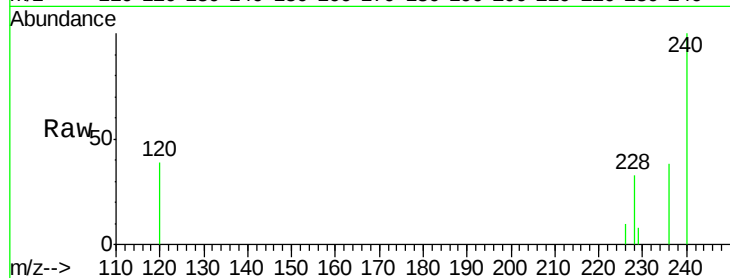
Tgt Ion:228 Resp: 1376

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

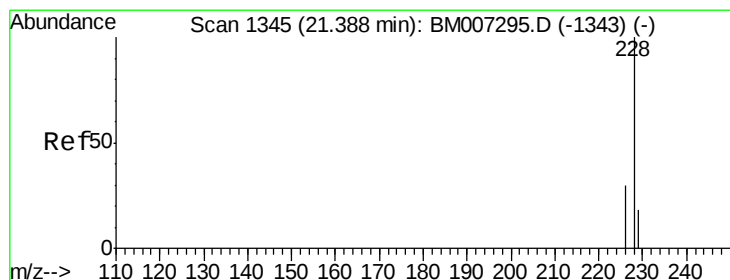
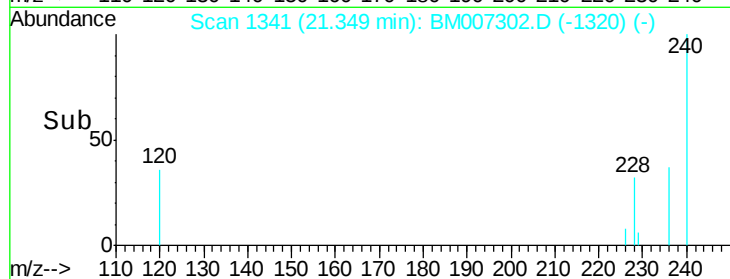
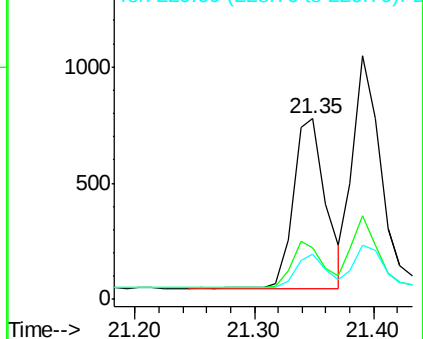
229 25.2 17.1 25.7



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: 0.05 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.04 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

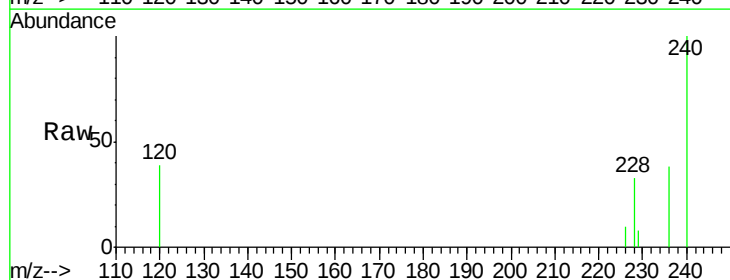
Tgt Ion:228 Resp: 1376

Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

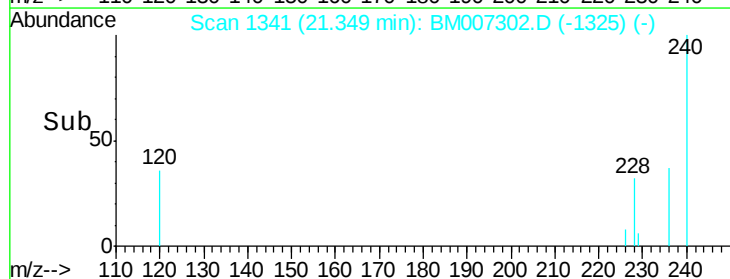
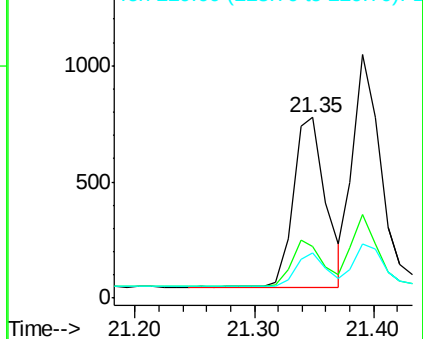
229 25.2 17.0 25.6

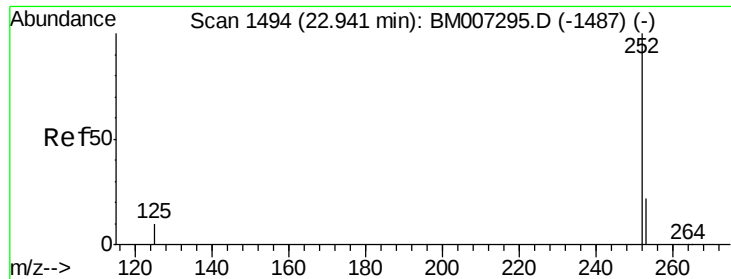


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.94 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

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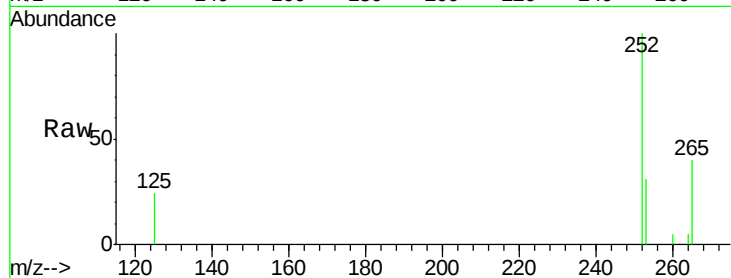
Tgt Ion:252 Resp: 1616

Ion Ratio Lower Upper

252 100

253 31.1 0.0 45.4

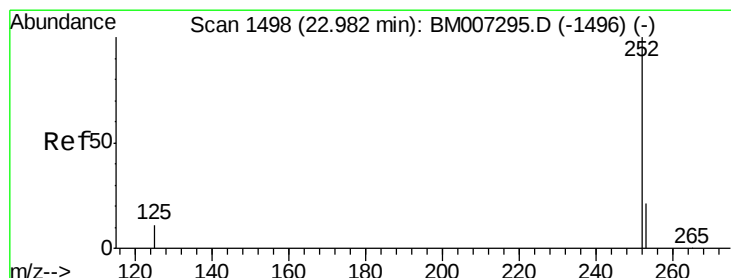
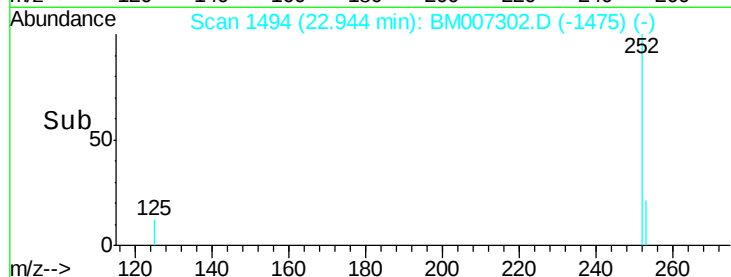
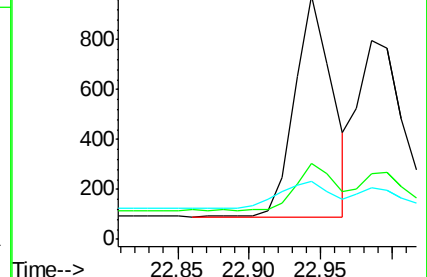
125 23.7 0.0 28.8



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: 0.07 ng/u1

RT: 22.99 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

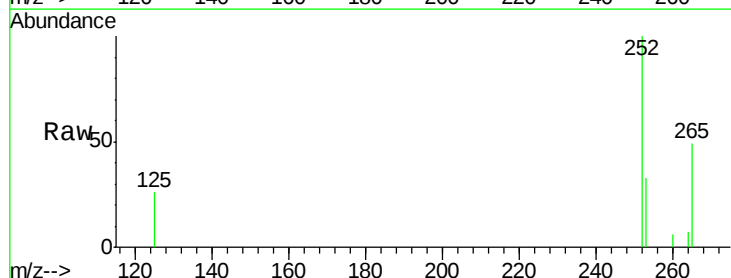
Tgt Ion:252 Resp: 1650

Ion Ratio Lower Upper

252 100

253 33.3 19.8 29.8#

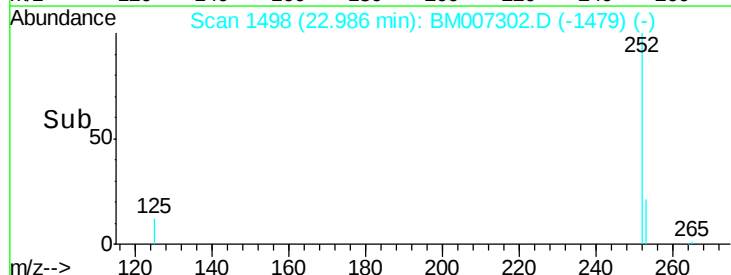
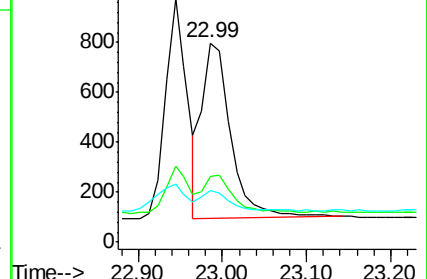
125 26.0 10.4 15.6#

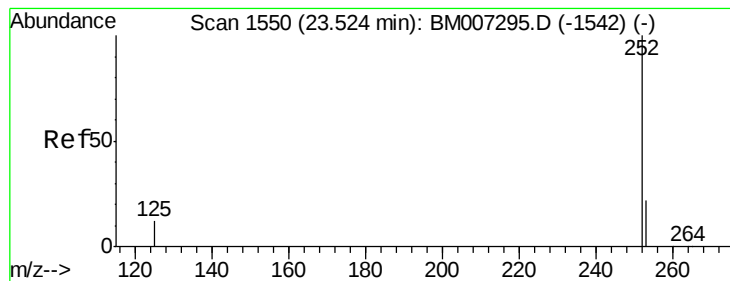


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.53 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

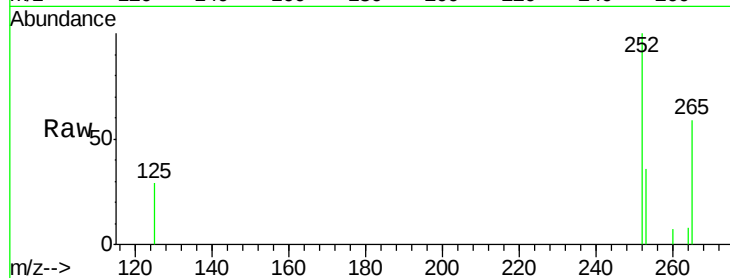
Tgt Ion:252 Resp: 1574

Ion Ratio Lower Upper

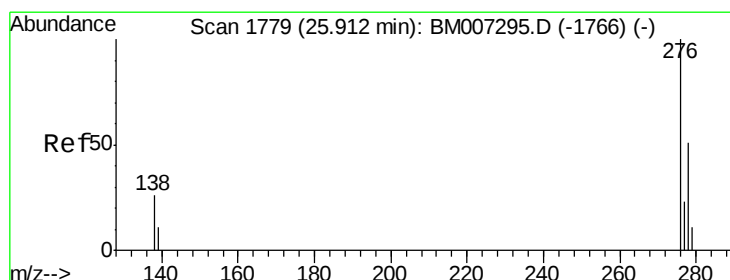
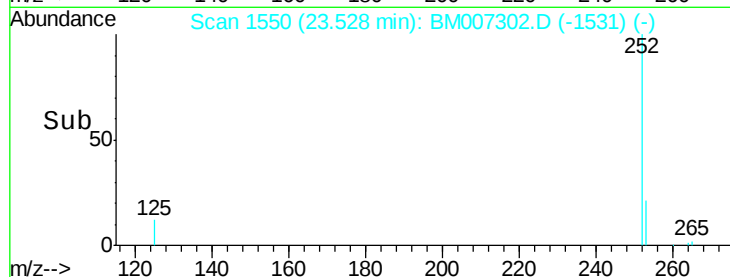
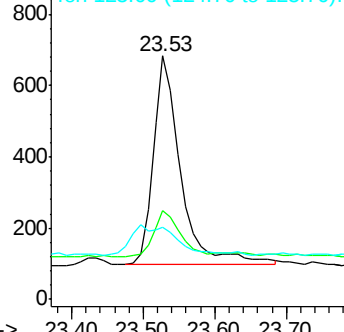
252 100

253 36.3 19.4 29.2#

125 29.4 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: 25.94 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

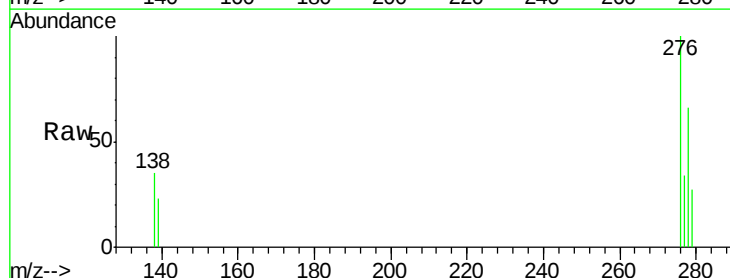
Tgt Ion:276 Resp: 1687

Ion Ratio Lower Upper

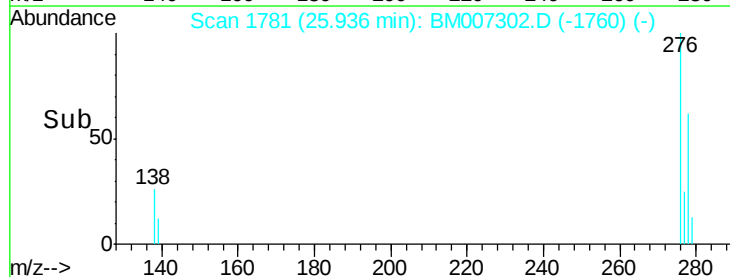
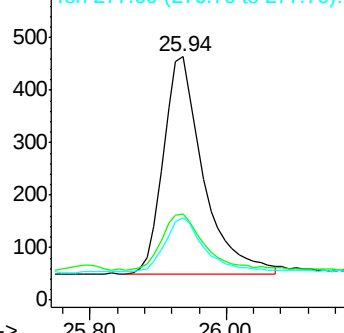
276 100

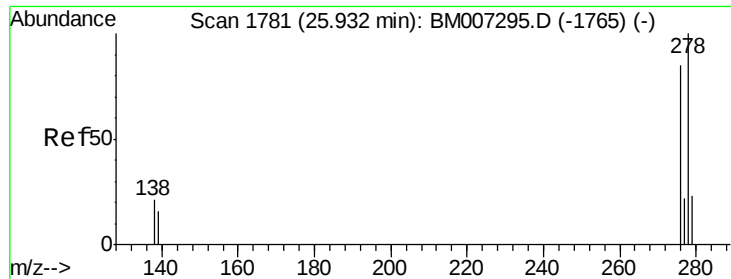
138 27.6 16.3 24.5#

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: 25.95 min Scan# 1782

Delta R.T. 0.01 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

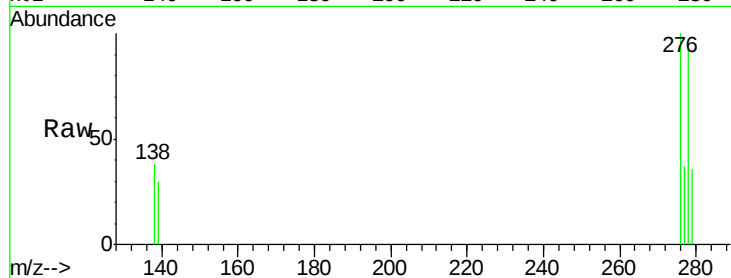
Tgt Ion: 278 Resp: 1278

Ion Ratio Lower Upper

278 100

139 32.3 16.4 24.6#

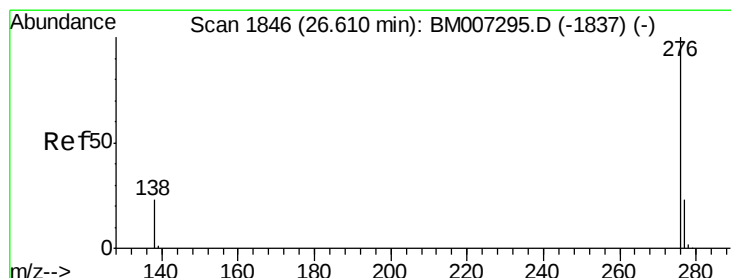
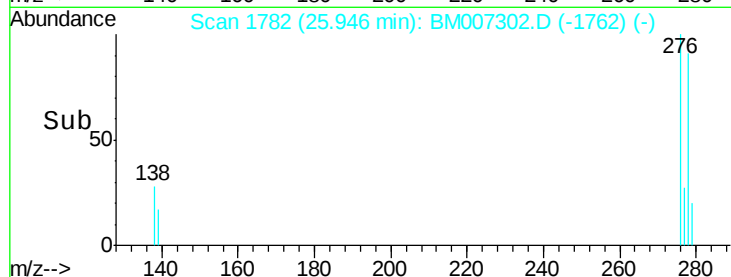
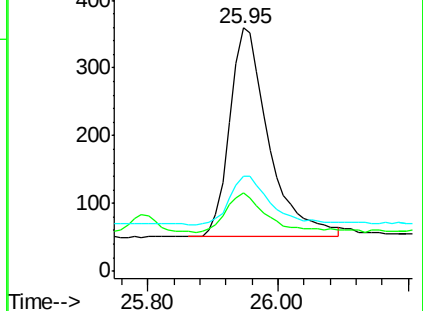
279 39.0 20.2 30.2#



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: 26.62 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BM007302.D

Acq: 26 Aug 2016 19:41

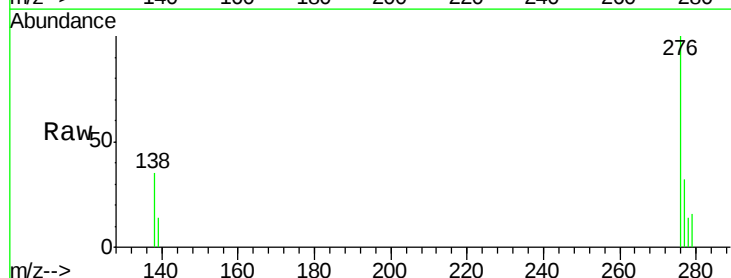
Tgt Ion: 276 Resp: 1562

Ion Ratio Lower Upper

276 100

277 32.4 18.9 28.3#

138 35.0 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

