

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007296.D
 Acq On : 26 Aug 2016 16:04
 Operator : UM/SJ
 Sample : MDL-01-S
 Misc : MDL 0.07
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Quant Time: Aug 26 23:47:07 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	1088	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	4246	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	2750	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	7919	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	8609	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	8839	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	2285	0.43	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	7784	0.44	ng/ul	0.00

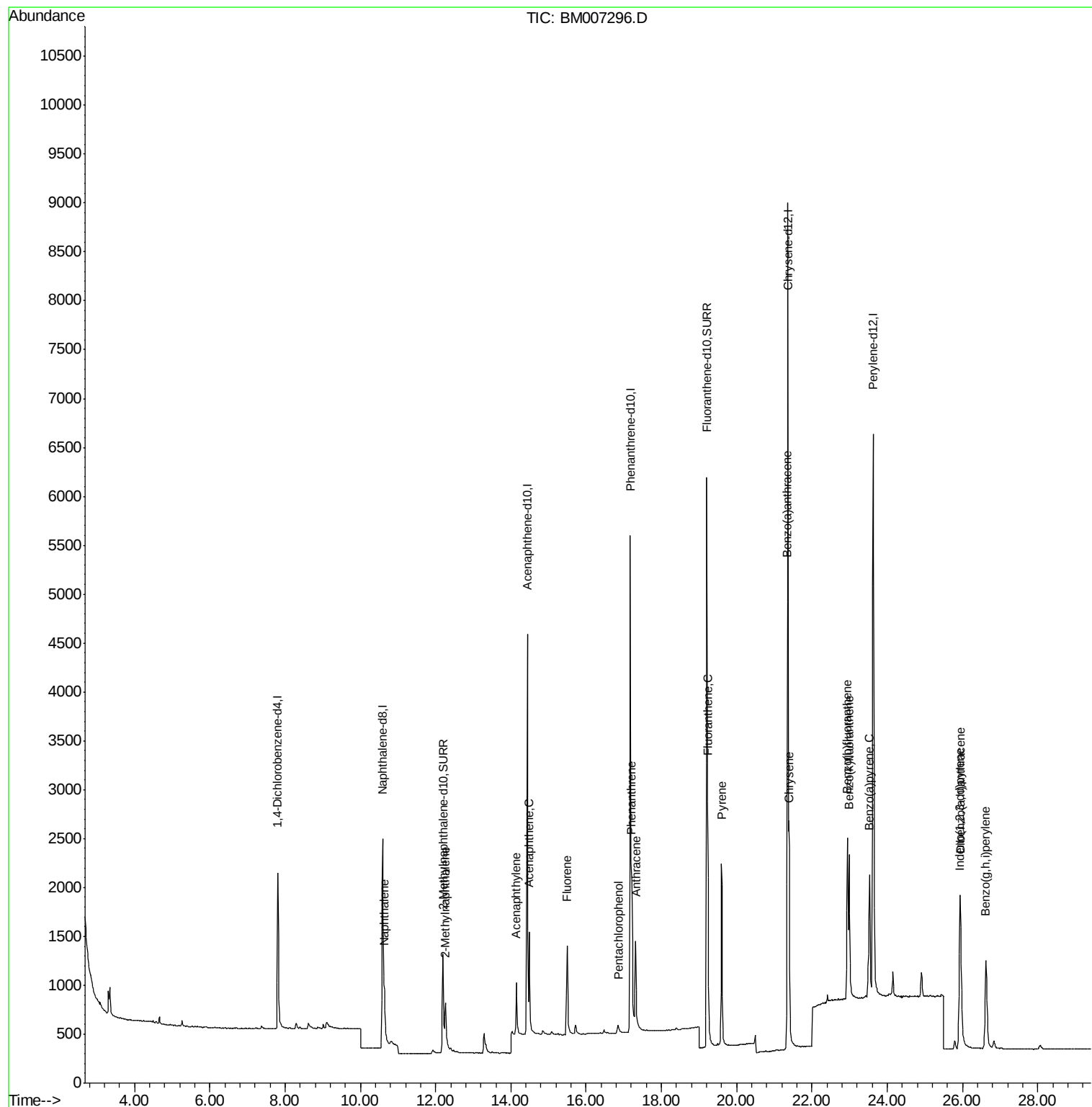
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	803	0.08	ng/ul#	69
5) 2-Methylnaphthalene	12.26	142	542	0.08	ng/ul	93
7) Acenaphthylene	14.14	152	904	0.06	ng/ul#	82
8) Acenaphthene	14.49	153	702	0.07	ng/ul#	81
9) Fluorene	15.50	166	864	0.08	ng/ul#	91
11) Pentachlorophenol	16.85	266	109	0.05	ng/ul#	85
12) Phenanthrene	17.21	178	1682	0.07	ng/ul#	87
13) Anthracene	17.31	178	1384	0.06	ng/ul#	86
15) Fluoranthene	19.23	202	2229	0.09	ng/ul	88
17) Pyrene	19.59	202	2264	0.08	ng/ul#	92
18) Benzo(a)anthracene	21.35	228	1894	0.07	ng/ul	93
19) Chrysene	21.40	228	2245	0.09	ng/ul	94
21) Benzo(b)fluoranthene	22.94	252	2599	0.08	ng/ul	85
22) Benzo(k)fluoranthene	22.99	252	2090	0.08	ng/ul#	85
23) Benzo(a)pyrene	23.52	252	2339	0.08	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	2537	0.07	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.94	278	1943	0.07	ng/ul#	86
26) Benzo(g,h,i)perylene	26.62	276	2279	0.08	ng/ul#	92

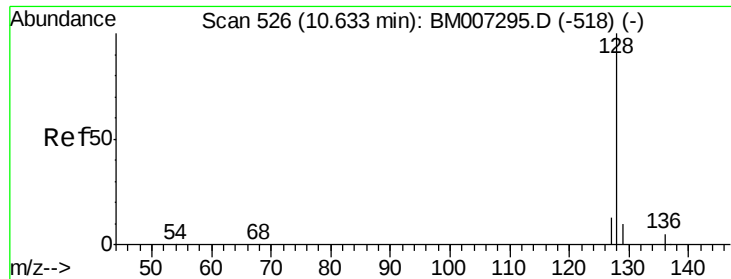
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 26 23:46:46 2016
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#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

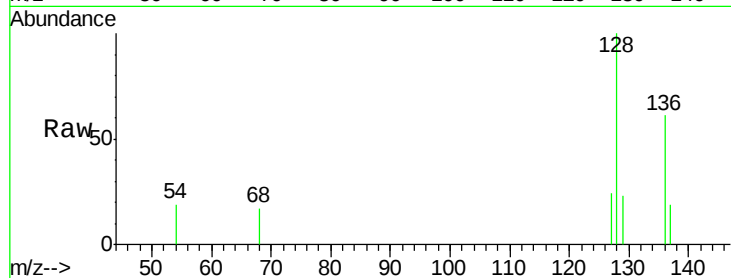
Tgt Ion:128 Resp: 803

Ion Ratio Lower Upper

128 100

129 23.3 9.0 13.6#

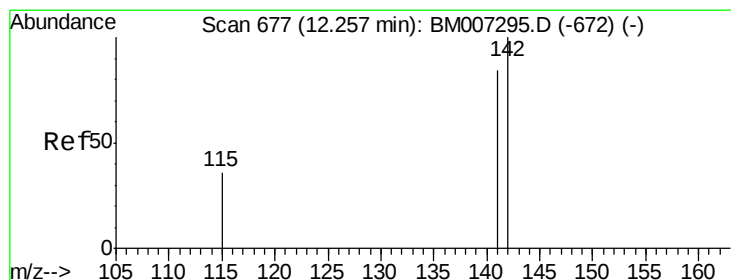
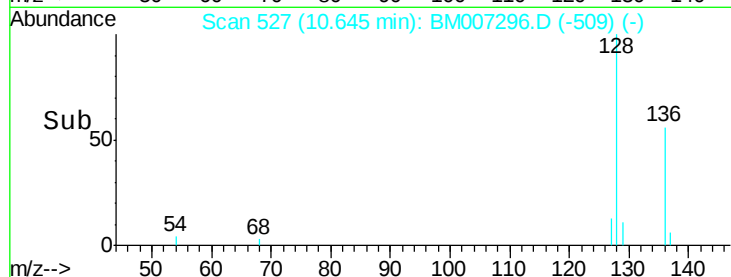
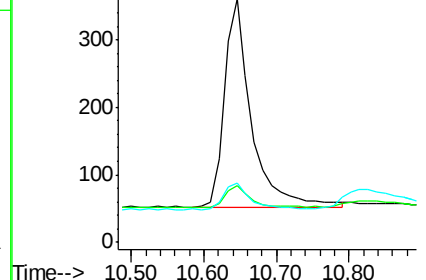
127 24.1 9.6 14.4#



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: 0.08 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM007296.D

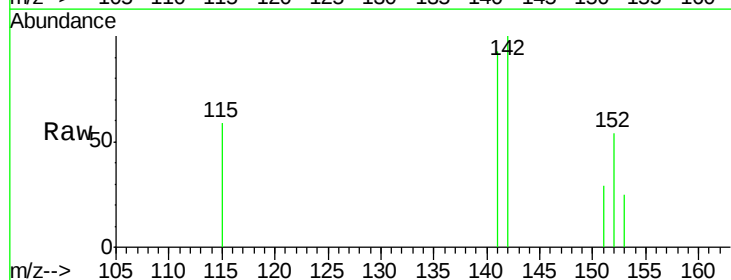
Acq: 26 Aug 2016 16:04

Tgt Ion:142 Resp: 542

Ion Ratio Lower Upper

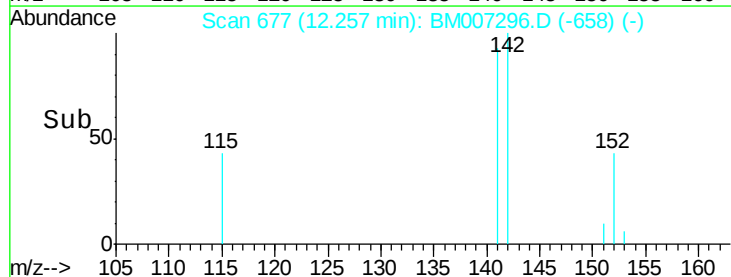
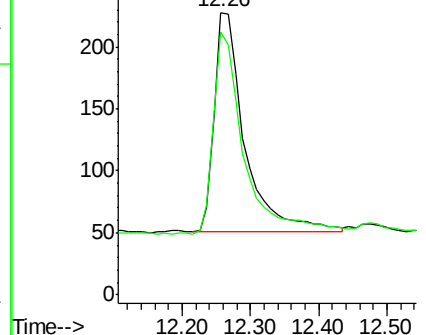
142 100

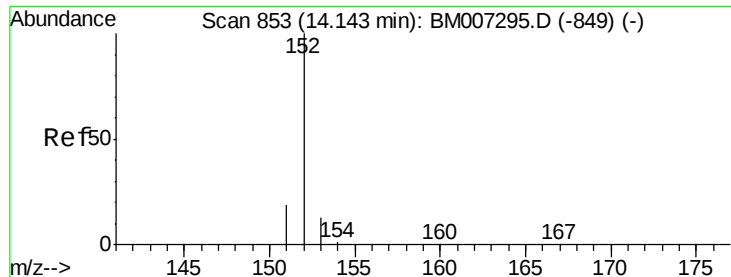
141 94.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

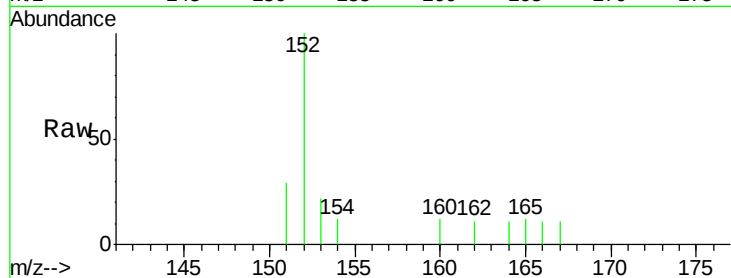
Tgt Ion:152 Resp: 904

Ion Ratio Lower Upper

152 100

151 29.2 17.6 26.4#

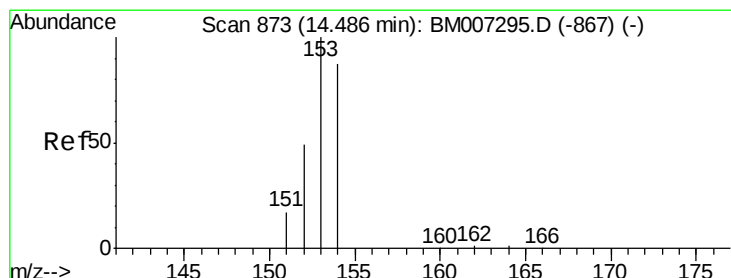
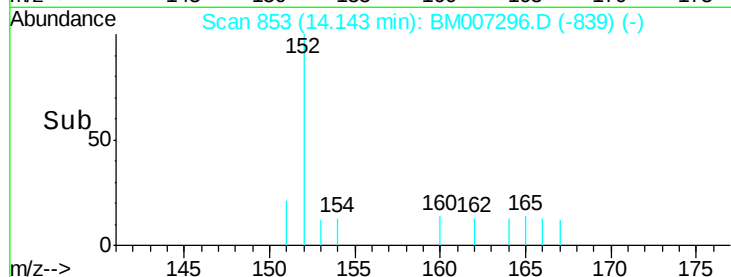
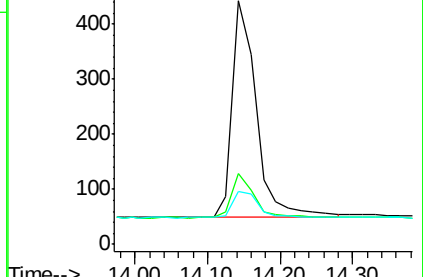
153 21.7 9.7 14.5#



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: BM007296.D

Acq: 26 Aug 2016 16:04

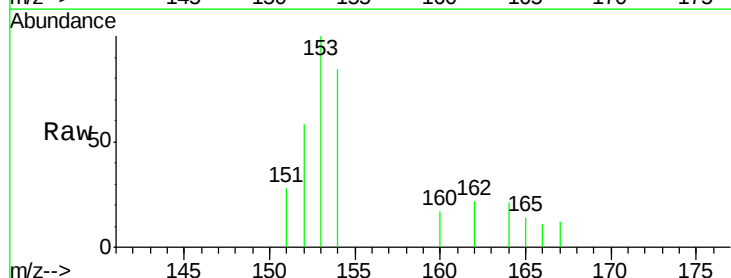
Tgt Ion:153 Resp: 702

Ion Ratio Lower Upper

153 100

152 57.8 33.9 50.9#

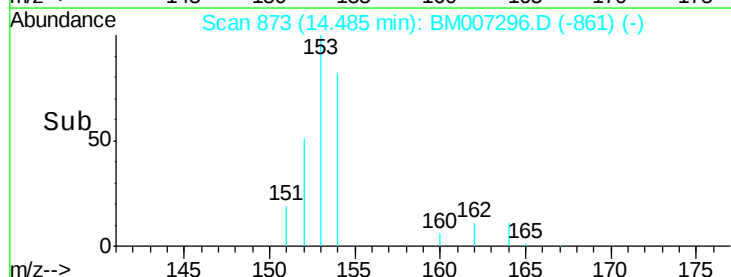
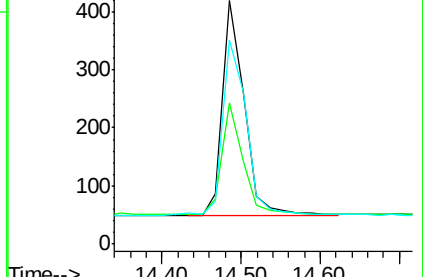
154 84.0 80.6 121.0

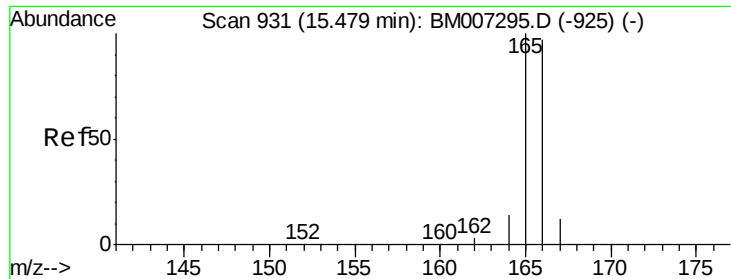


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

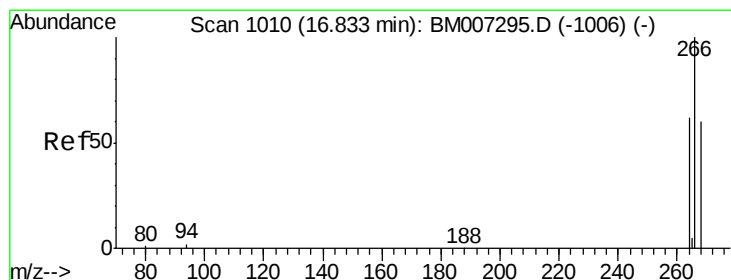
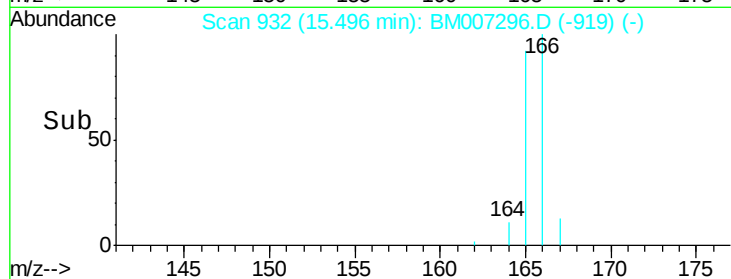
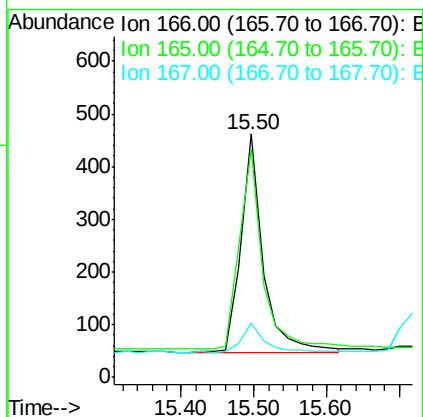
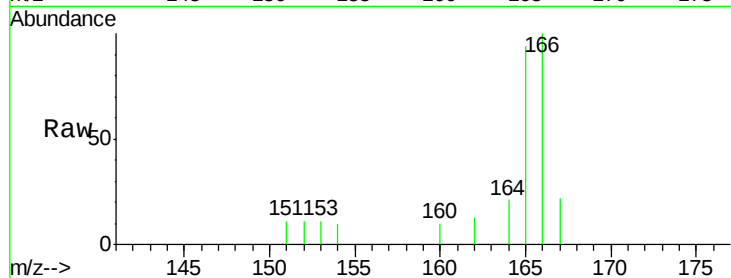




#9
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: BM007296.D
 Acq: 26 Aug 2016 16:04

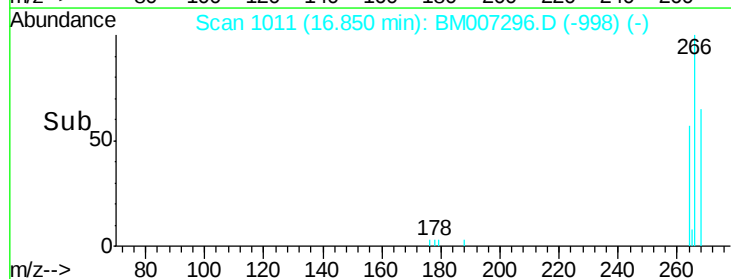
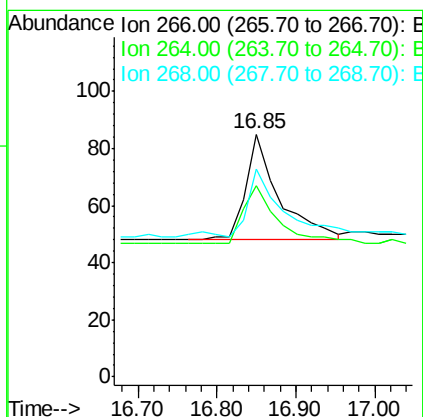
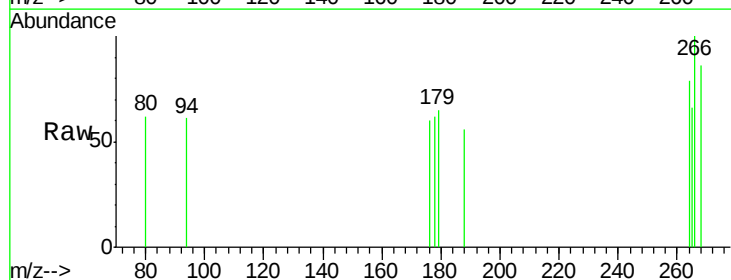
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

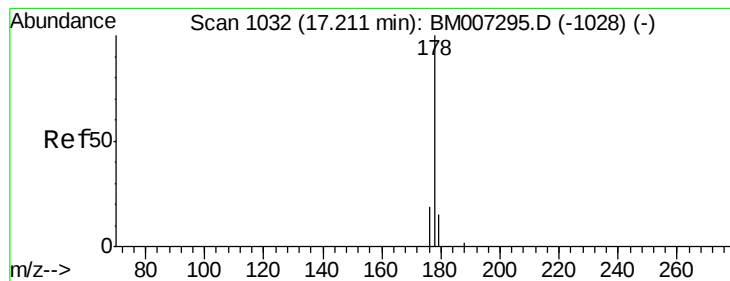
Tgt Ion:166 Resp: 864
 Ion Ratio Lower Upper
 166 100
 165 93.7 69.6 104.4
 167 22.3 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.02 min
 Lab File: BM007296.D
 Acq: 26 Aug 2016 16:04

Tgt Ion:266 Resp: 109
 Ion Ratio Lower Upper
 266 100
 264 54.1 51.8 77.8
 268 71.6 46.8 70.2#





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

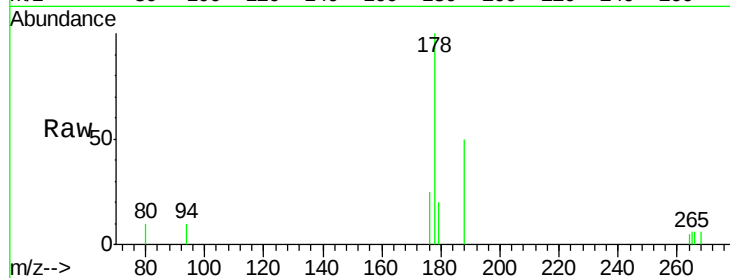
Tgt Ion:178 Resp: 1682

Ion Ratio Lower Upper

178 100

176 25.1 13.0 19.4#

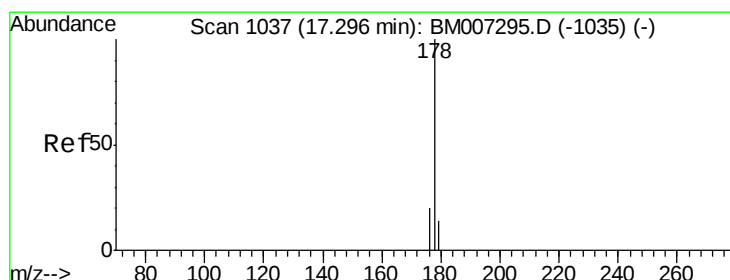
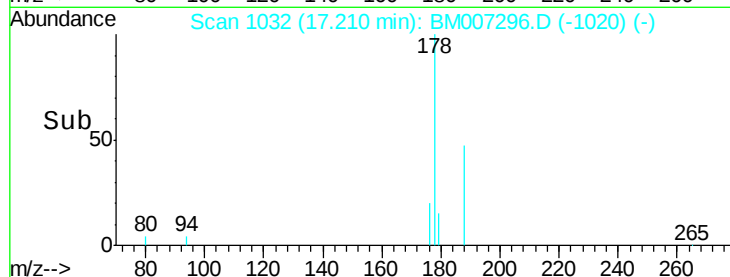
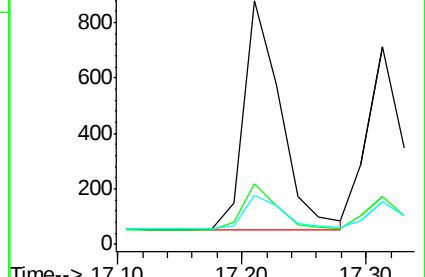
179 20.0 14.2 21.2



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: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

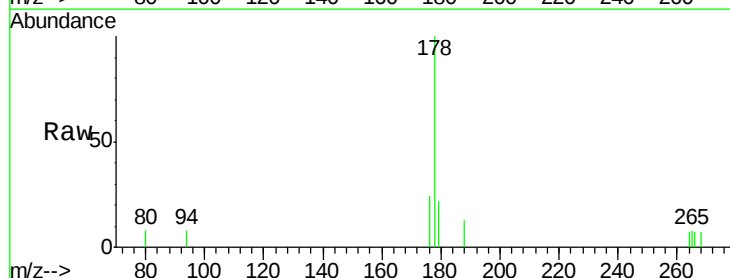
Tgt Ion:178 Resp: 1384

Ion Ratio Lower Upper

178 100

176 24.3 14.0 21.0#

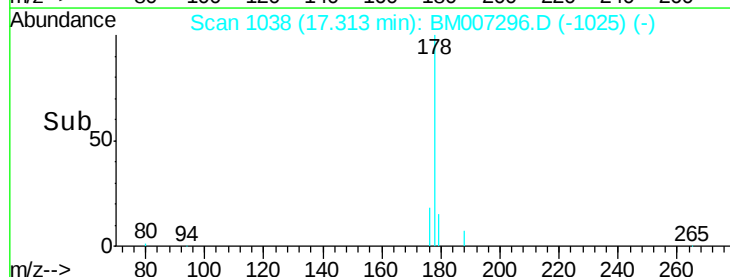
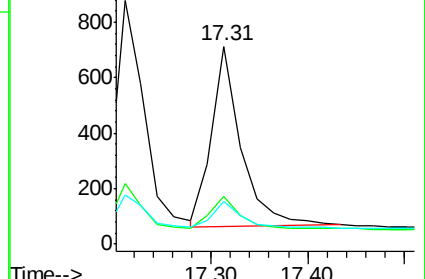
179 21.6 12.9 19.3#

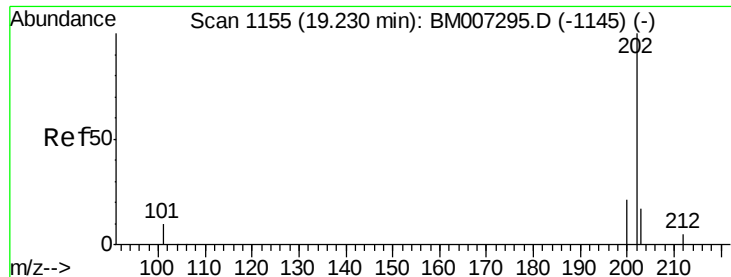


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.09 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

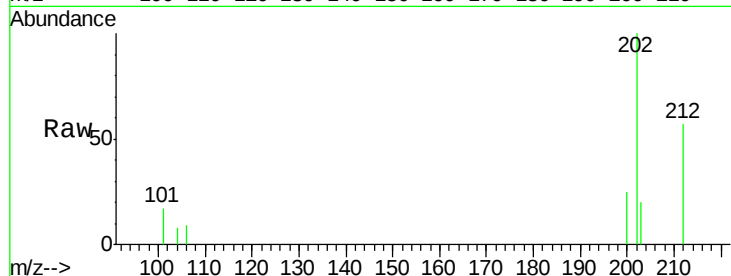
Tgt Ion:202 Resp: 2229

Ion Ratio Lower Upper

202 100

101 16.5 0.0 29.6

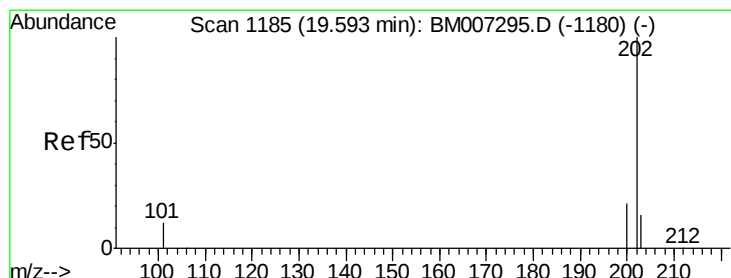
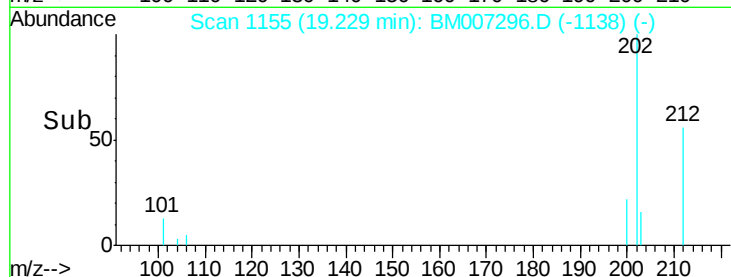
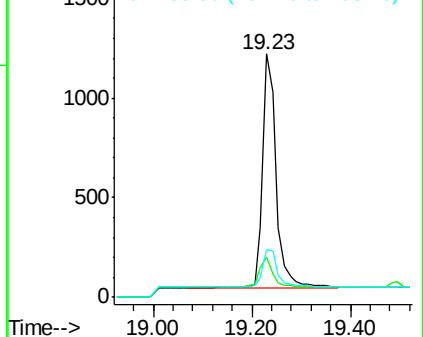
203 19.7 0.0 36.3



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: 0.08 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

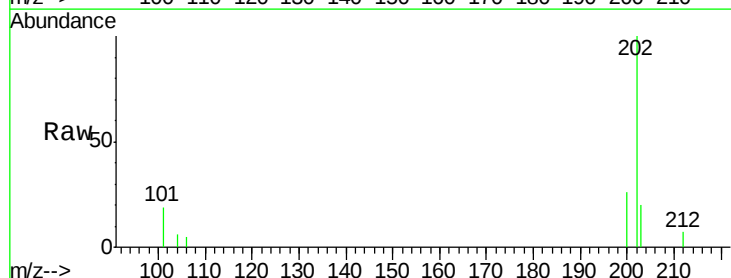
Tgt Ion:202 Resp: 2264

Ion Ratio Lower Upper

202 100

200 25.5 17.8 26.8

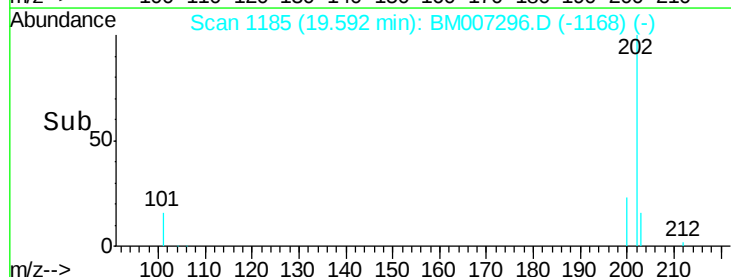
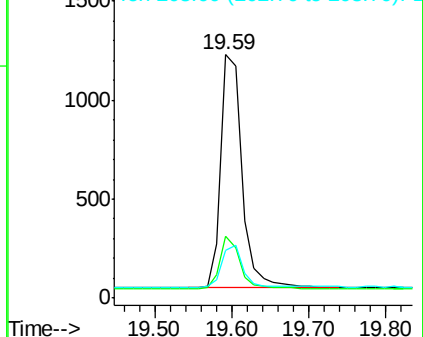
203 19.8 12.8 19.2#

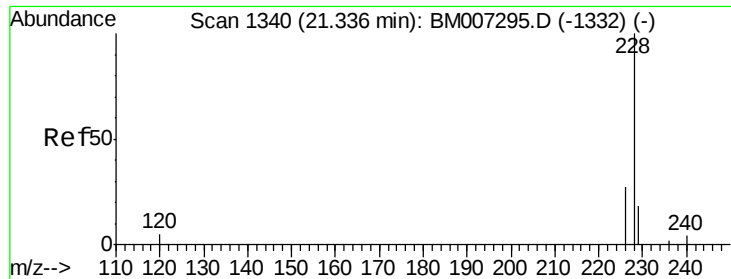


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

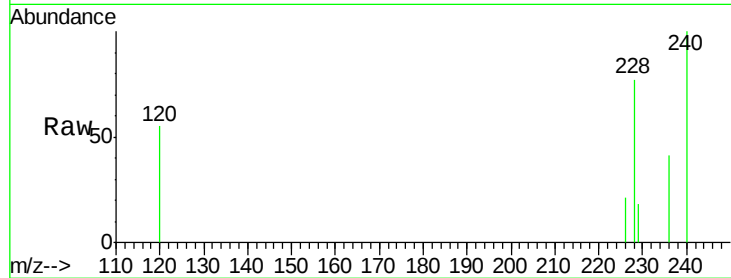
Tgt Ion:228 Resp: 1894

Ion Ratio Lower Upper

228 100

226 27.9 18.8 28.2

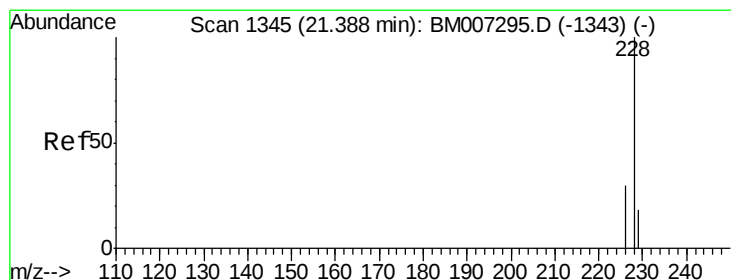
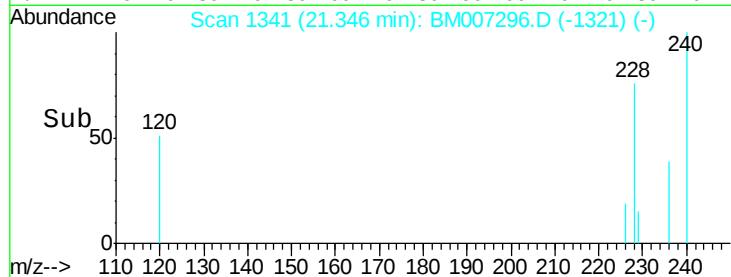
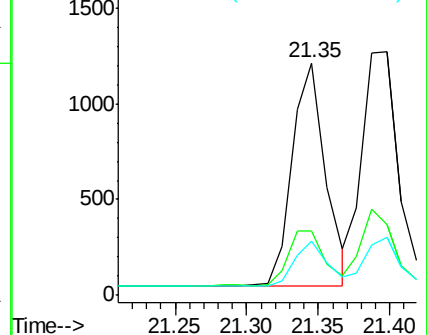
229 23.5 17.1 25.7



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: 0.09 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. 0.01 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

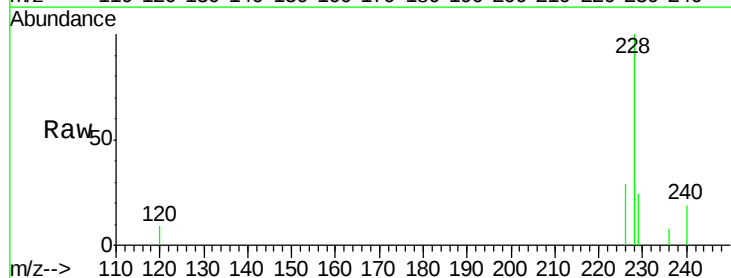
Tgt Ion:228 Resp: 2245

Ion Ratio Lower Upper

228 100

226 29.3 21.2 31.8

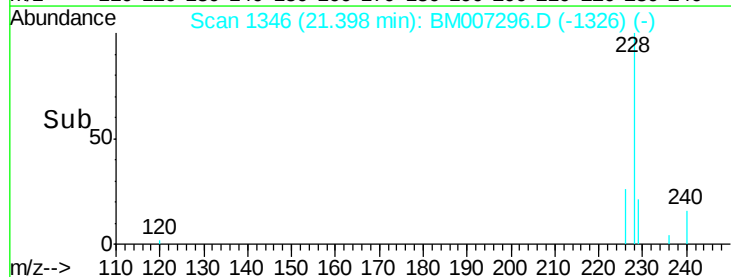
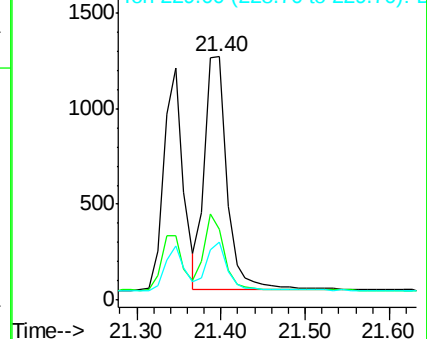
229 24.0 17.0 25.6

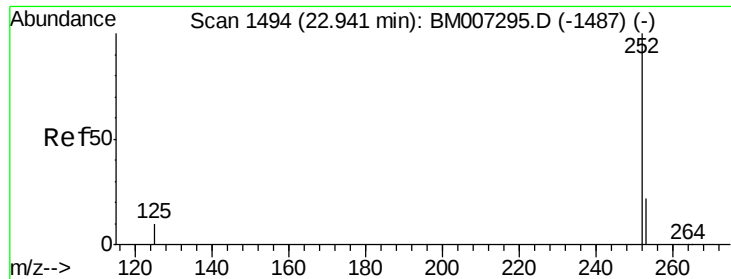


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.08 ng/u1

RT: 22.94 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

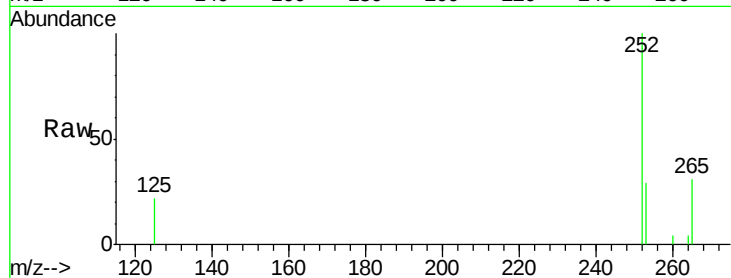
Tgt Ion:252 Resp: 2599

Ion Ratio Lower Upper

252 100

253 28.7 0.0 45.4

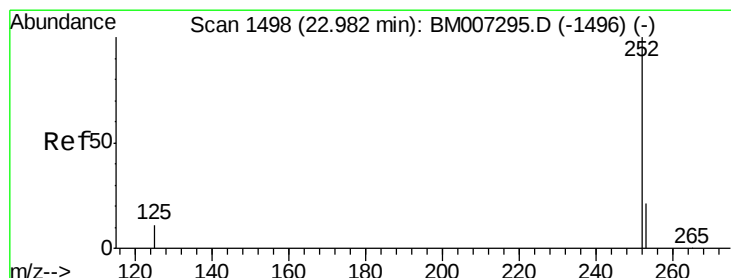
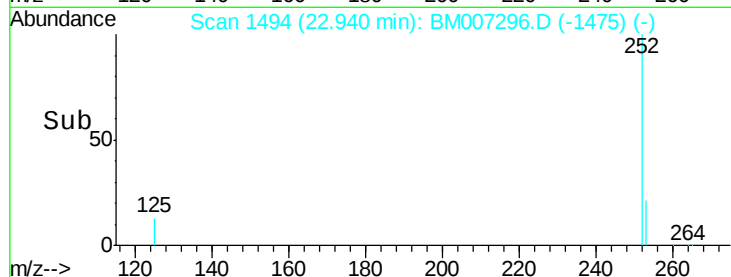
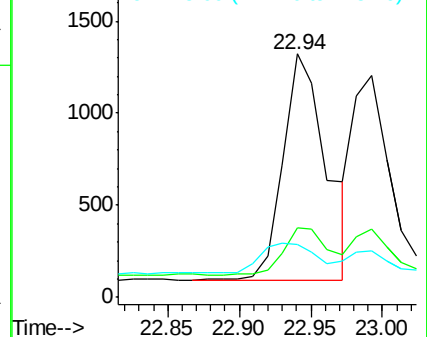
125 21.9 0.0 28.8



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: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

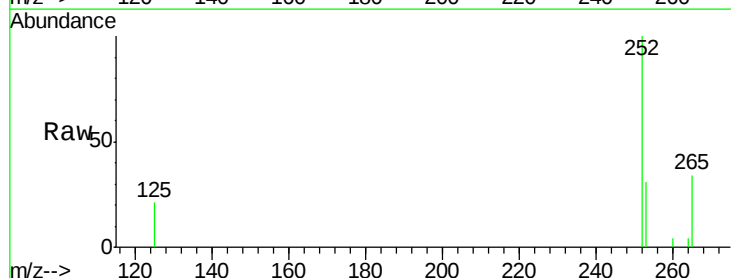
Tgt Ion:252 Resp: 2090

Ion Ratio Lower Upper

252 100

253 31.0 19.8 29.8#

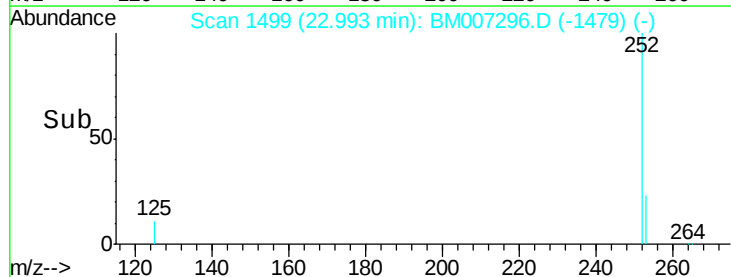
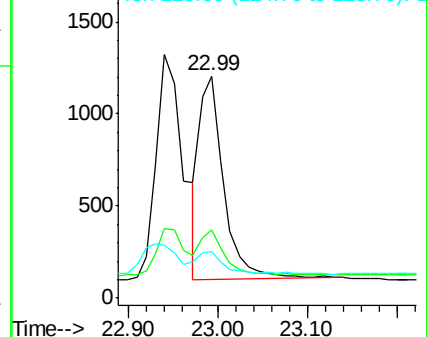
125 20.8 10.4 15.6#

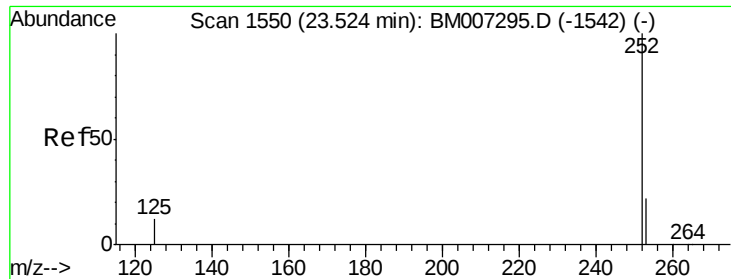


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

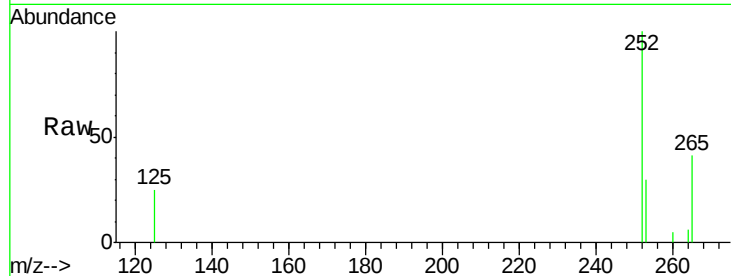
Tgt Ion:252 Resp: 2339

Ion Ratio Lower Upper

252 100

253 30.5 19.4 29.2#

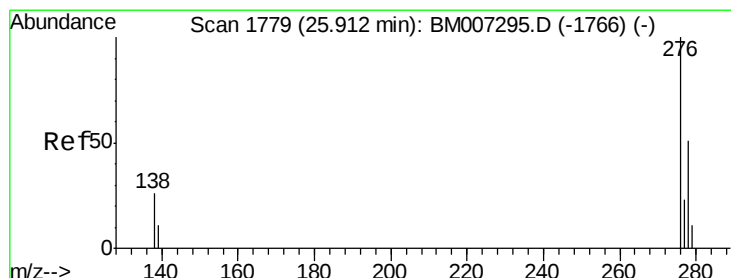
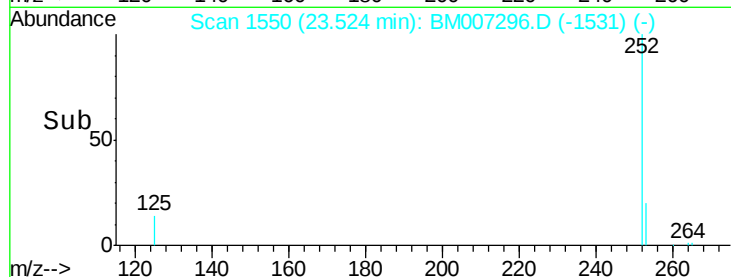
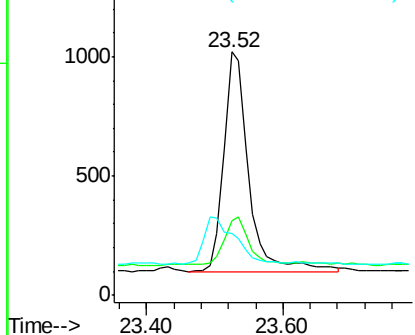
125 25.4 12.7 19.1#



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: 0.07 ng/ul

RT: 25.92 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BM007296.D

Acq: 26 Aug 2016 16:04

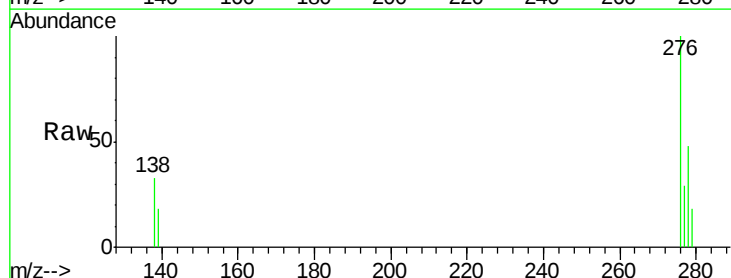
Tgt Ion:276 Resp: 2537

Ion Ratio Lower Upper

276 100

138 26.6 16.3 24.5#

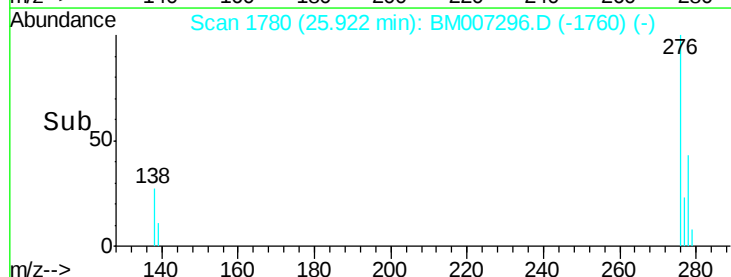
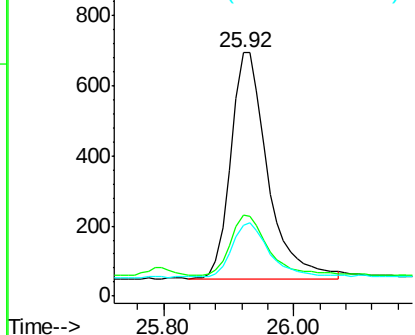
277 24.4 19.8 29.8

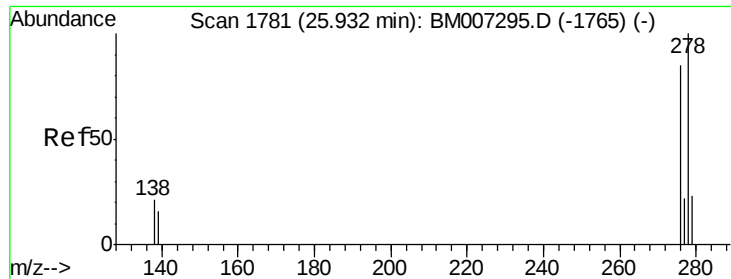


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



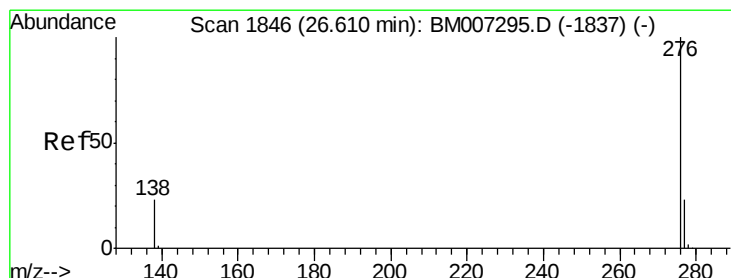
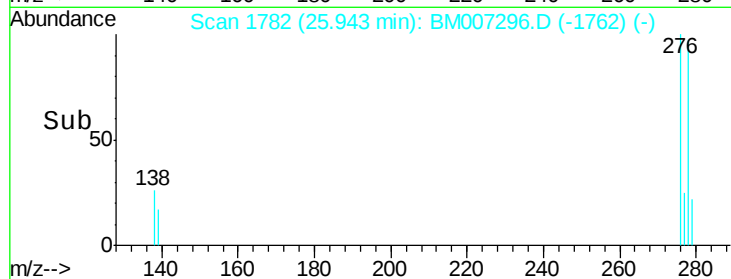
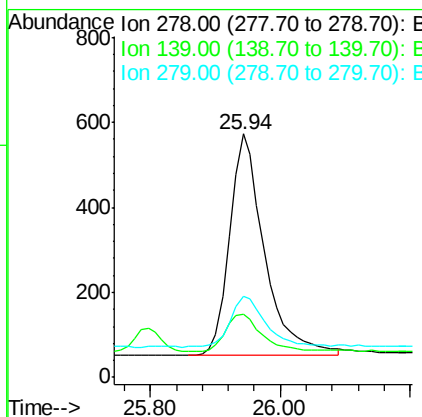
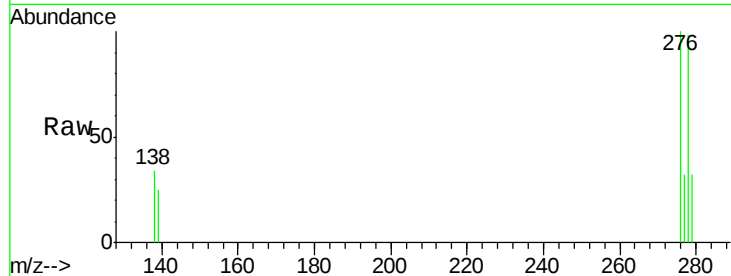


#25
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.94 min Scan# 1782
Delta R.T. 0.01 min
Lab File: BM007296.D
Acq: 26 Aug 2016 16:04

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion: 278 Resp: 1943

Ion	Ratio	Lower	Upper
278	100		
139	26.0	16.4	24.6#
279	33.2	20.2	30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 26.62 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BM007296.D
Acq: 26 Aug 2016 16:04

Tgt Ion: 276 Resp: 2279

Ion	Ratio	Lower	Upper
276	100		
277	29.7	18.9	28.3#
138	30.4	22.5	33.7

