

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007127.D
 Acq On : 15 Aug 2016 21:33
 Operator : UM/SJ
 Sample : H4338-13MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V21MS

Quant Time: Aug 16 01:55:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 01:54:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2387	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	9014	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	4569	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	656659	0.40	ng/ul	0.10
16) Chrysene-d12	21.36	240	8616	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	563329	0.40	ng/ul	-0.16

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.18	152	3463	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	7960	0.01	ng/ul	0.00

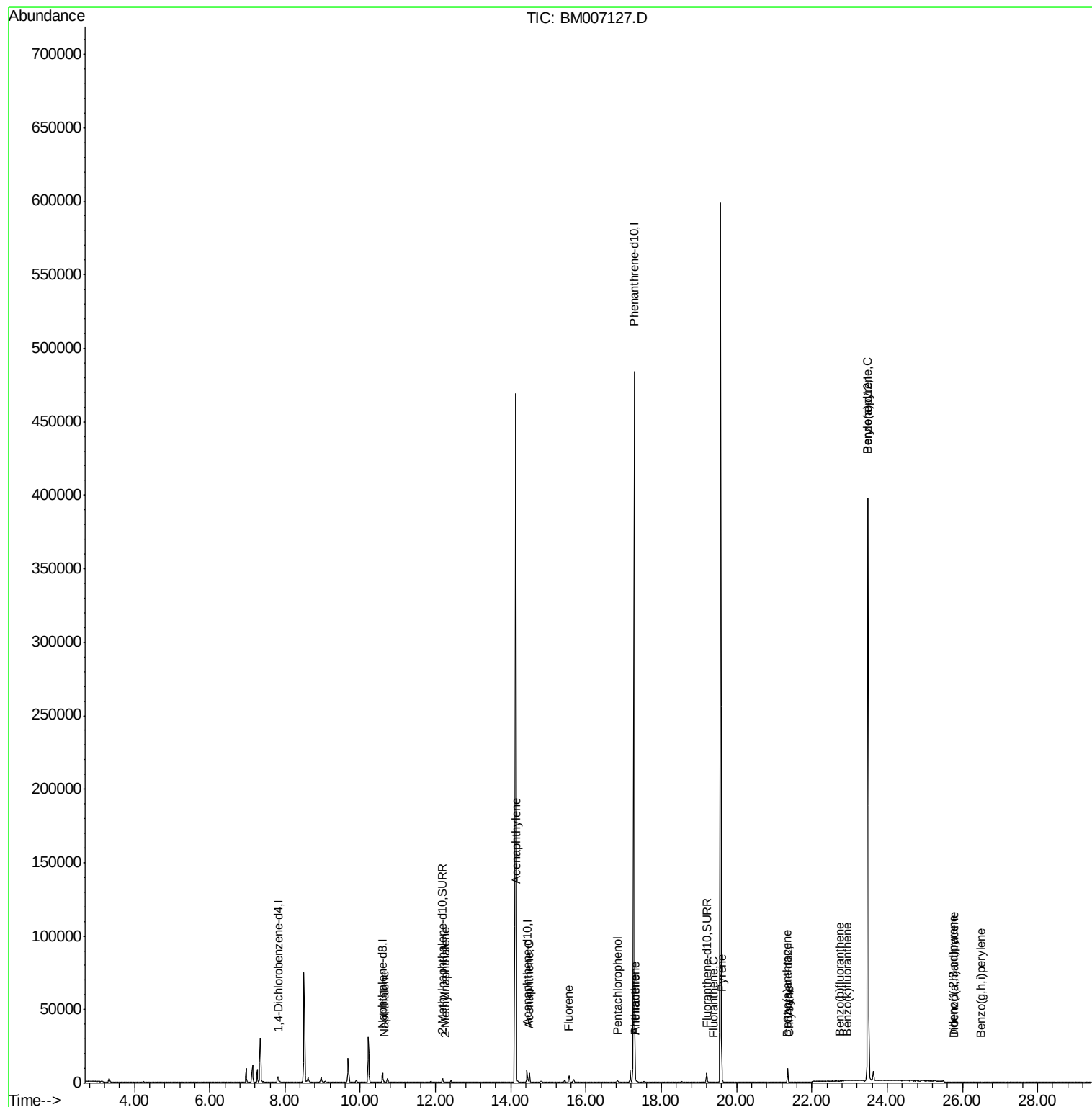
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	679	0.03	ng/ul#	70
5) 2-Methylnaphthalene	12.26	142	102	0.01	ng/ul	98
7) Acenaphthylene	14.14	152	347	0.01	ng/ul#	23
8) Acenaphthene	14.49	153	4987	0.31	ng/ul#	76
9) Fluorene	15.55	166	69	0.00	ng/ul#	1
11) Pentachlorophenol	16.83	266	1161	0.01	ng/ul	94
12) Phenanthrene	17.31	178	633	0.00	ng/ul#	44
13) Anthracene	17.31	178	622	0.00	ng/ul#	44
15) Fluoranthene	19.39	202	128	0.00	ng/ul#	1
17) Pyrene	19.60	202	13205	0.46	ng/ul	98
18) Benzo(a)anthracene	21.34	228	265	0.01	ng/ul#	15
19) Chrysene	21.39	228	233	0.01	ng/ul#	33
21) Benzo(b)fluoranthene	22.75	252	13	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.94	252	716	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.49	252	2680	0.00	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	25.76	276	9	0.00	ng/ul#	53
25) Dibenzo(a,h)anthracene	25.79	278	4	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.48	276	5	0.00	ng/ul#	1

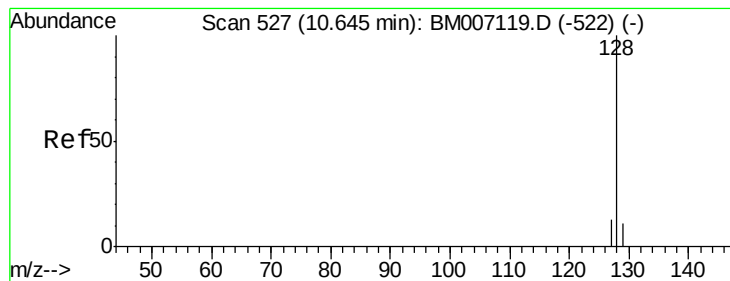
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Instrument :

BNA_M

ClientSampleId :

A4V21MS

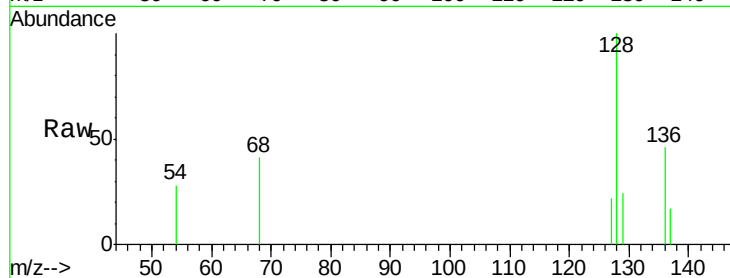
Tgt Ion:128 Resp: 679

Ion Ratio Lower Upper

128 100

129 24.3 9.0 13.6#

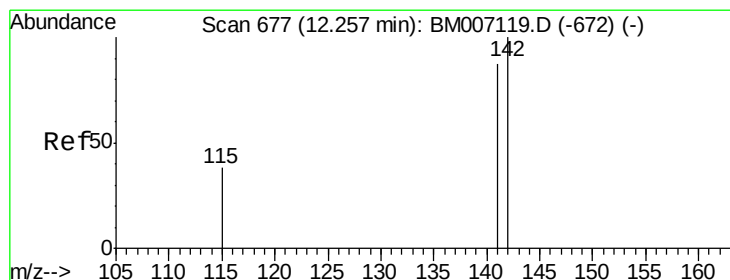
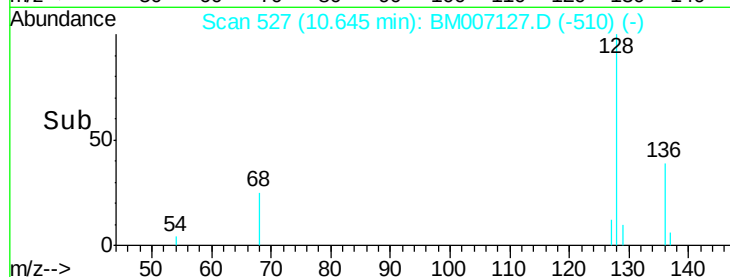
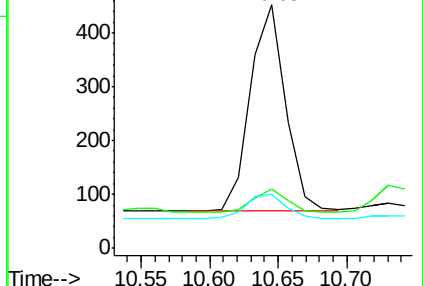
127 22.3 9.6 14.4#



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: 0.01 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM007127.D

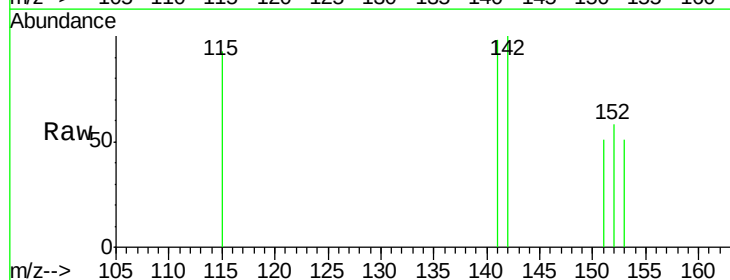
Acq: 15 Aug 2016 21:33

Tgt Ion:142 Resp: 102

Ion Ratio Lower Upper

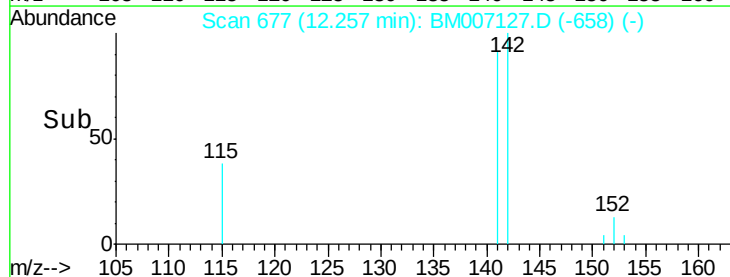
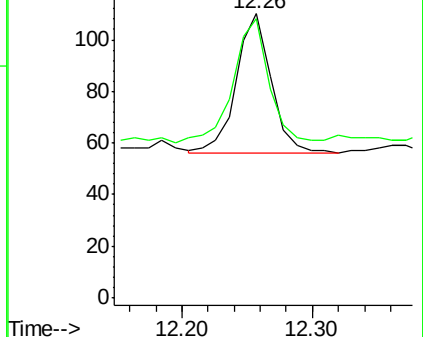
142 100

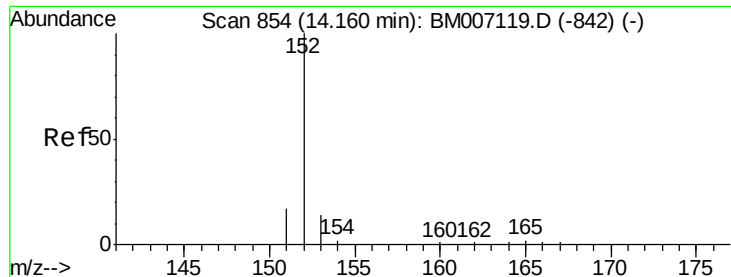
141 90.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Instrument :

BNA_M

ClientSampleId :

A4V21MS

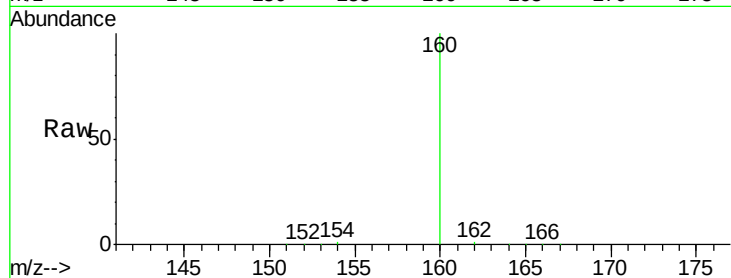
Tgt Ion:152 Resp: 347

Ion Ratio Lower Upper

152 100

151 50.9 17.6 26.4#

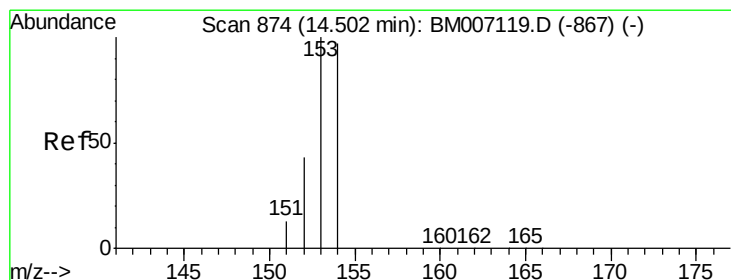
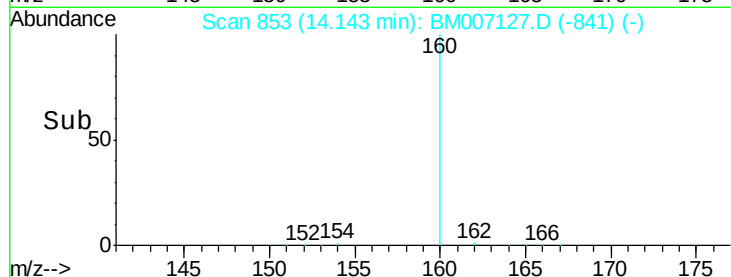
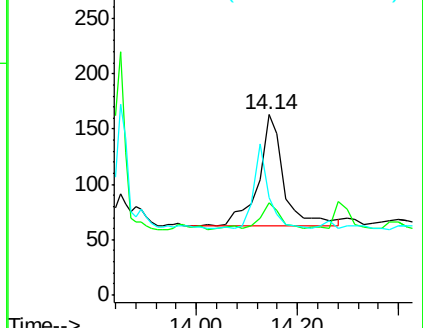
153 54.0 9.7 14.5#



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: 0.31 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

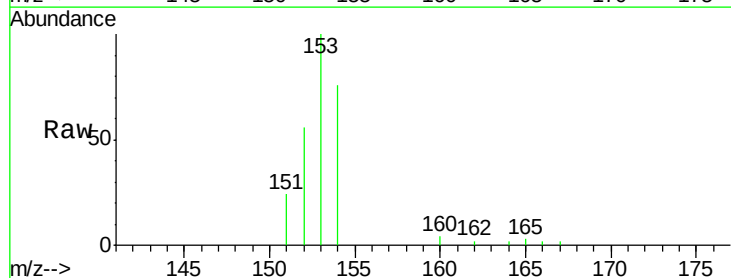
Tgt Ion:153 Resp: 4987

Ion Ratio Lower Upper

153 100

152 56.4 33.9 50.9#

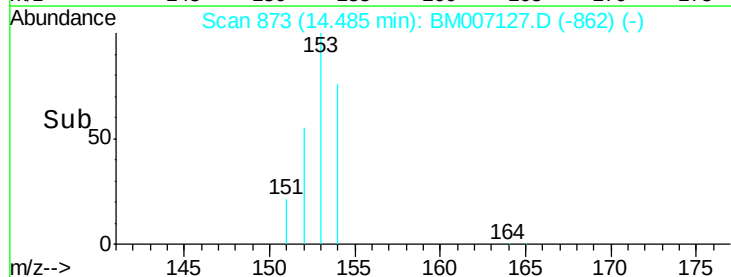
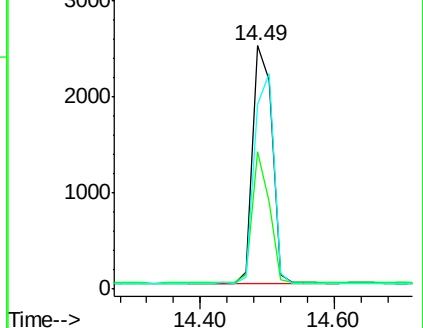
154 76.0 80.6 121.0#

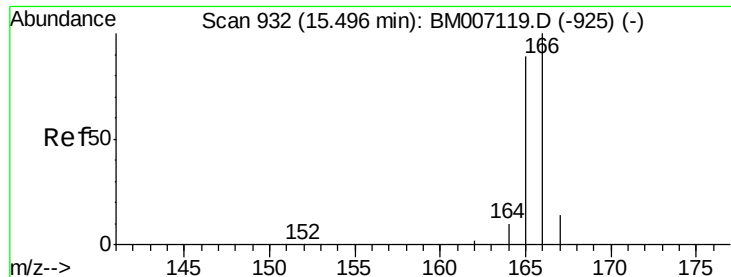


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

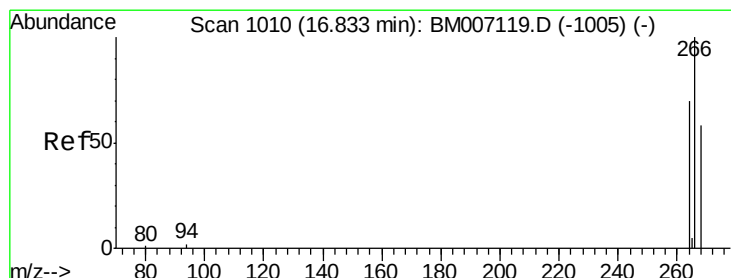
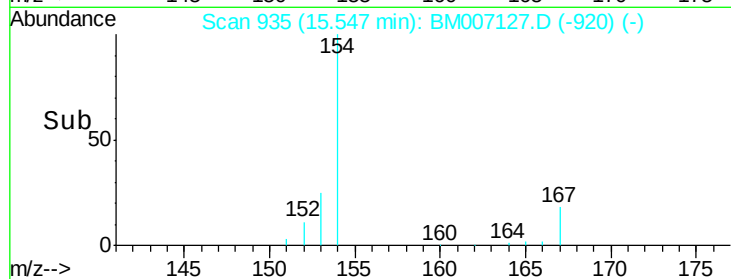
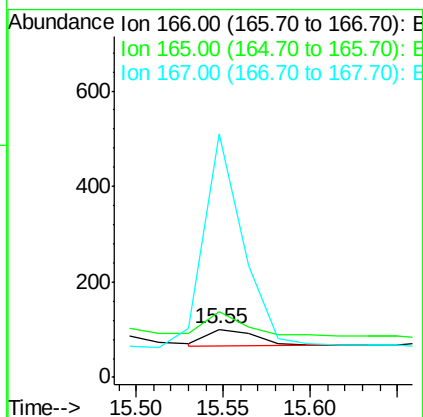
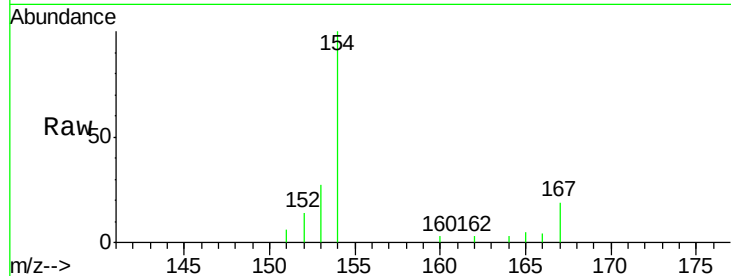




#9
Fluorene
 Concen: 0.00 ng/ul
 RT: 15.55 min Scan# 935
 Delta R.T. 0.05 min
 Lab File: BM007127.D
 Acq: 15 Aug 2016 21:33

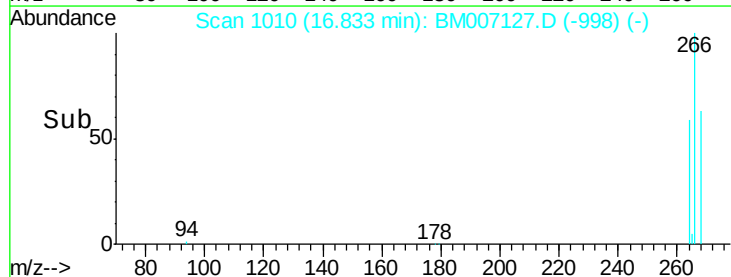
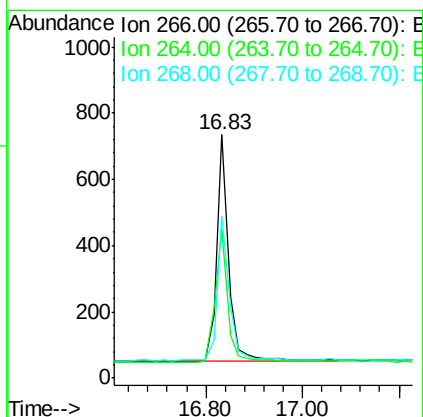
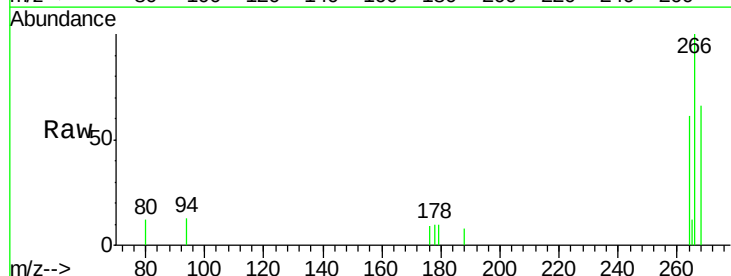
Instrument :
 BNA_M
 ClientSampleId :
 A4V21MS

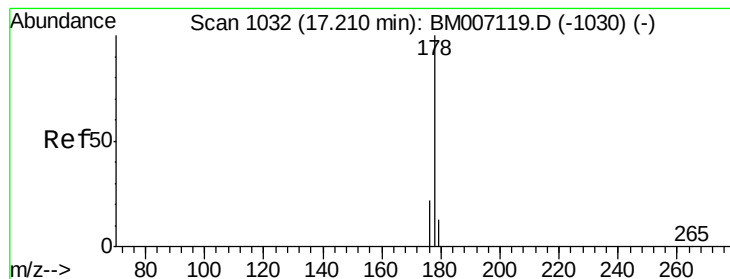
Tgt Ion:166 Resp: 69
 Ion Ratio Lower Upper
 166 100
 165 135.6 69.6 104.4#
 167 505.0 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BM007127.D
 Acq: 15 Aug 2016 21:33

Tgt Ion:266 Resp: 1161
 Ion Ratio Lower Upper
 266 100
 264 62.5 51.8 77.8
 268 65.3 46.8 70.2





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Instrument :

BNA_M

ClientSampleId :

A4V21MS

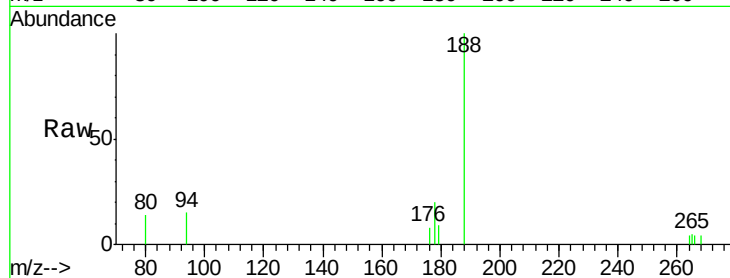
Tgt Ion:178 Resp: 633

Ion Ratio Lower Upper

178 100

176 38.7 13.0 19.4#

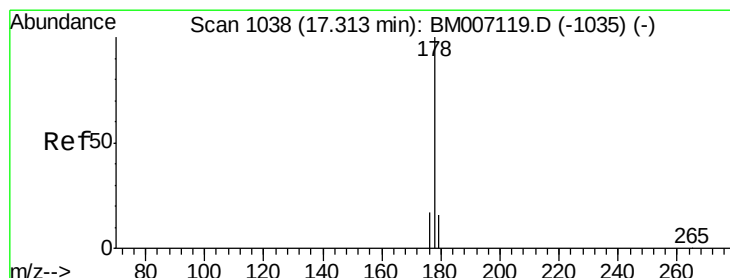
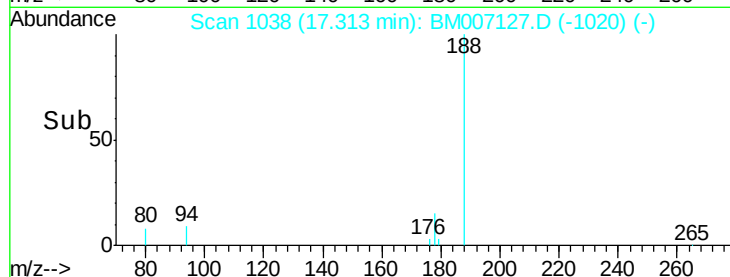
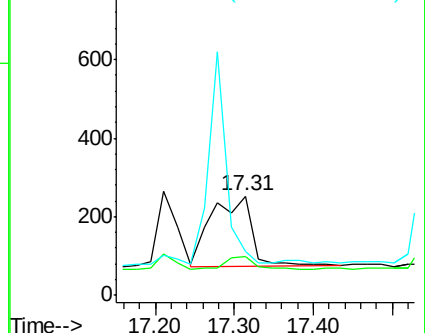
179 43.5 14.2 21.2#



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: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

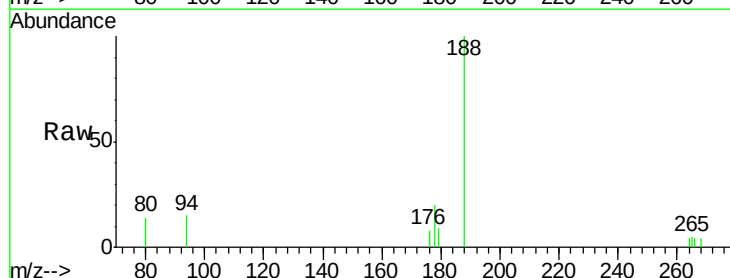
Tgt Ion:178 Resp: 622

Ion Ratio Lower Upper

178 100

176 38.7 14.0 21.0#

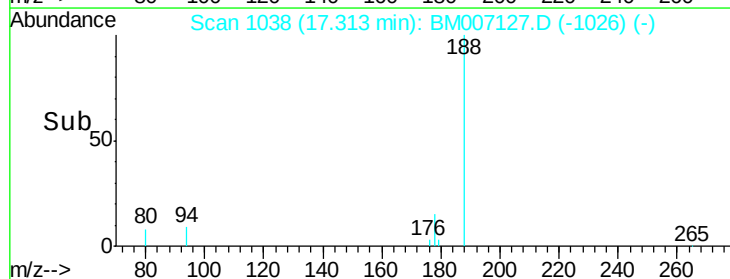
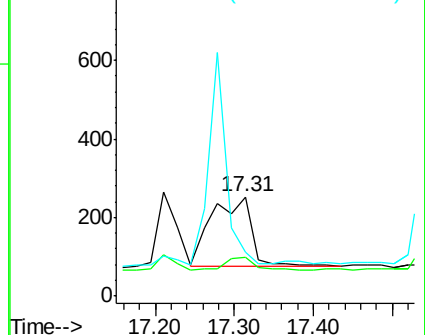
179 43.5 12.9 19.3#

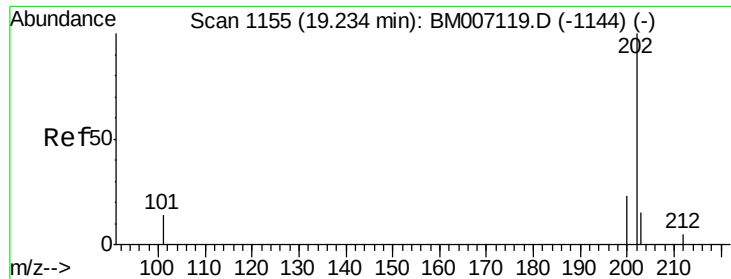


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.39 min Scan# 1168

Delta R.T. 0.16 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Instrument :

BNA_M

ClientSampleId :

A4V21MS

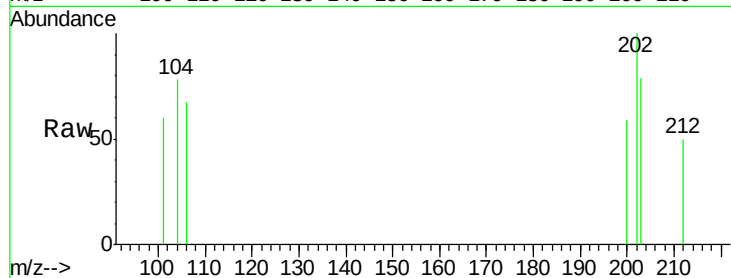
Tgt Ion:202 Resp: 128

Ion Ratio Lower Upper

202 100

101 60.0 0.0 29.6#

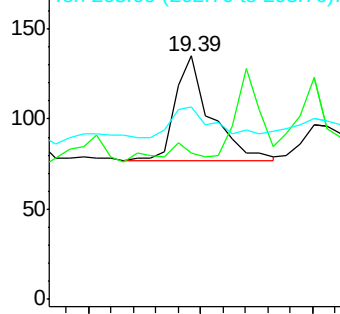
203 79.3 0.0 36.3#



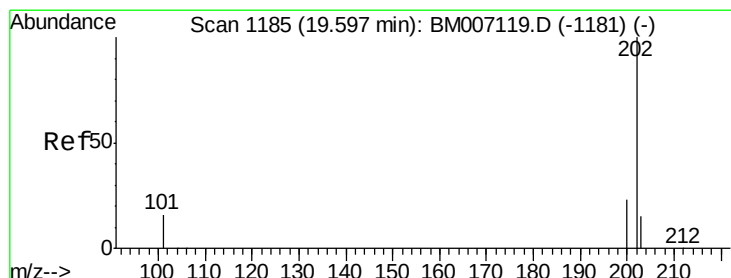
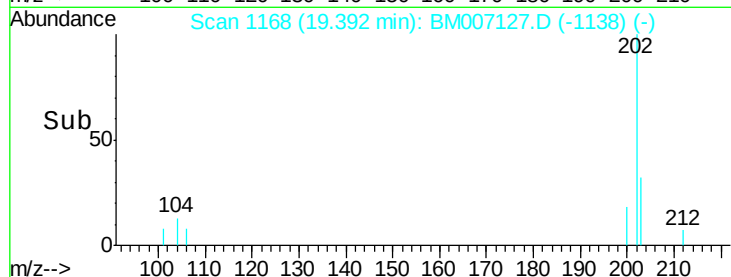
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#17

Pyrene

Concen: 0.46 ng/ul

RT: 19.60 min Scan# 1185

Delta R.T. 0.00 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

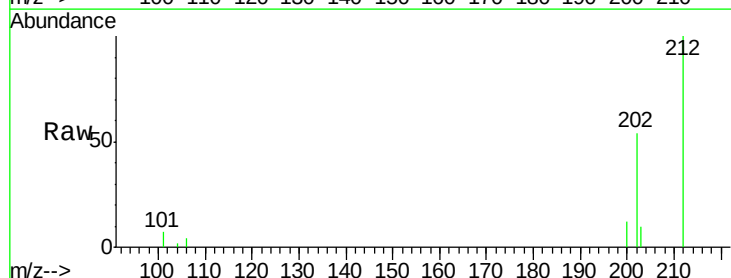
Tgt Ion:202 Resp: 13205

Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.8

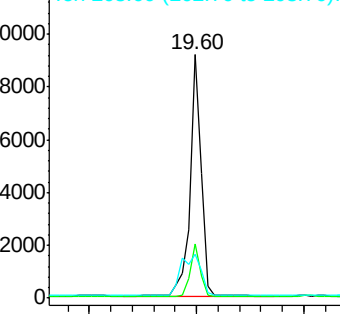
203 17.9 12.8 19.2



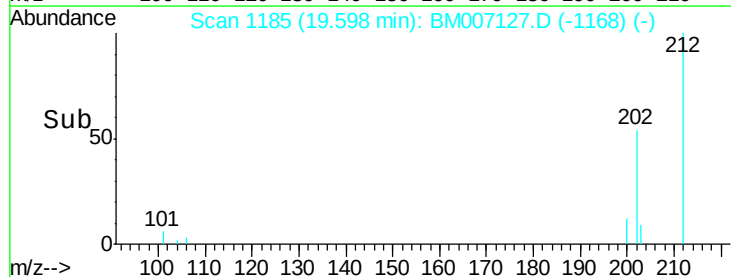
Abundance Ion 202.00 (201.70 to 202.70): E

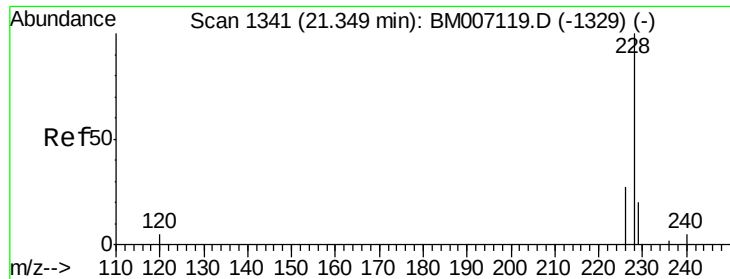
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#18

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Instrument :

BNA_M

ClientSampleId :

A4V21MS

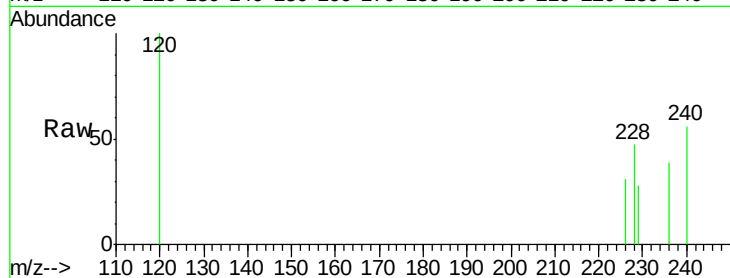
Tgt Ion:228 Resp: 265

Ion Ratio Lower Upper

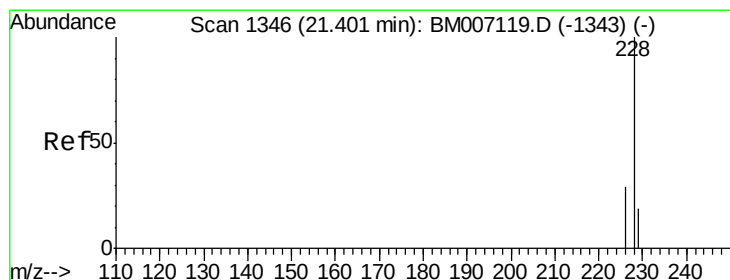
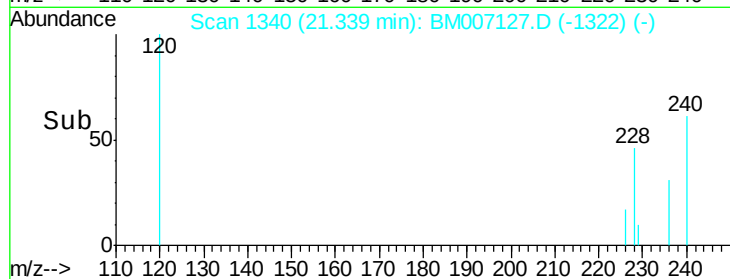
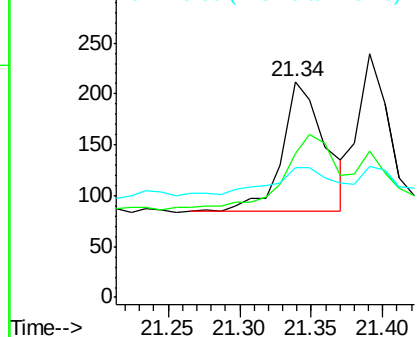
228 100

226 66.5 18.8 28.2#

229 59.9 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: 0.01 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

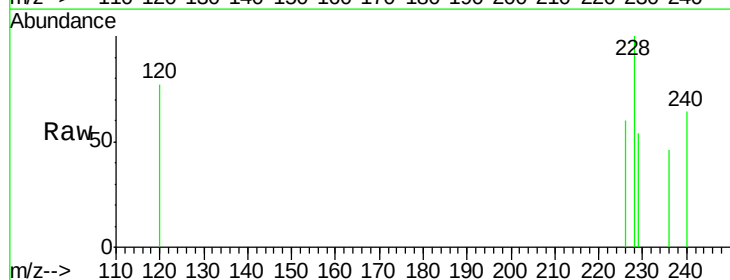
Tgt Ion:228 Resp: 233

Ion Ratio Lower Upper

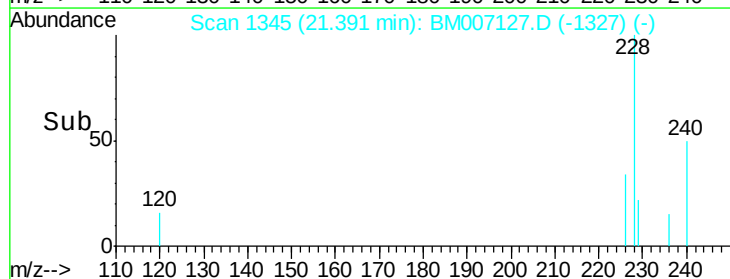
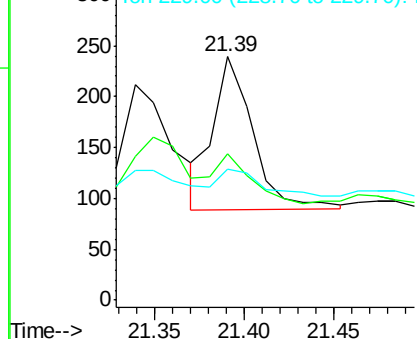
228 100

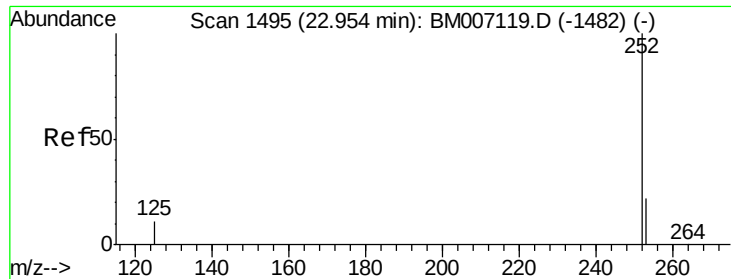
226 60.3 21.2 31.8#

229 54.0 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: 0.00 ng/ul

RT: 22.75 min Scan# 1475

Delta R.T. -0.21 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

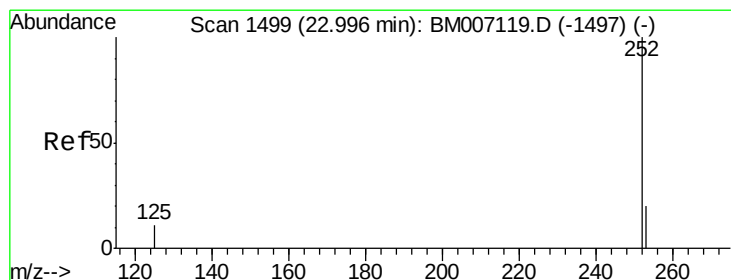
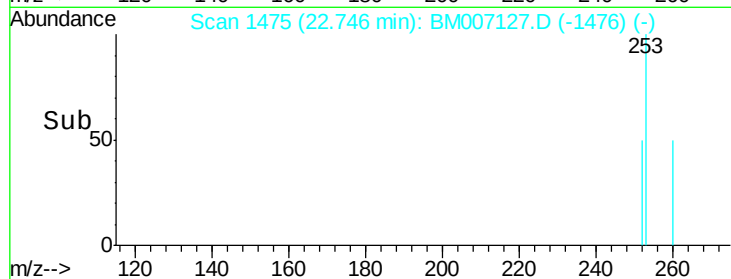
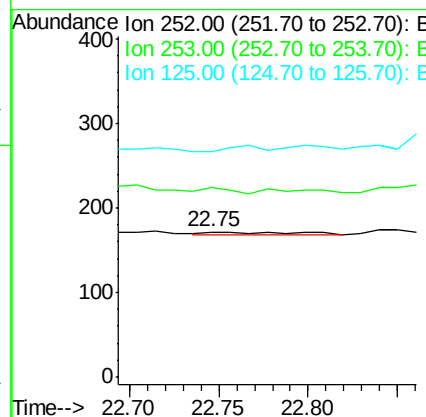
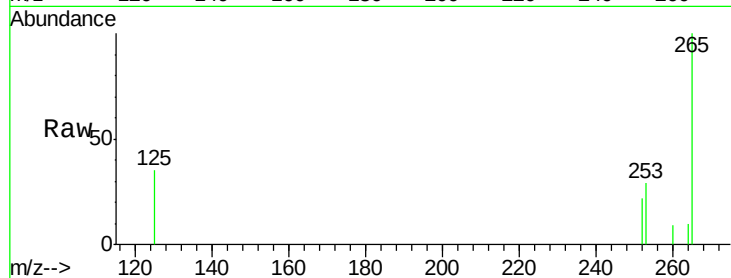
Instrument :

BNA_M

ClientSampleId :

A4V21MS

Tgt Ion:	252	Resp:	13
Ion	Ratio	Lower	Upper
252	100		
253	130.2	0.0	45.4#
125	155.2	0.0	28.8#



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

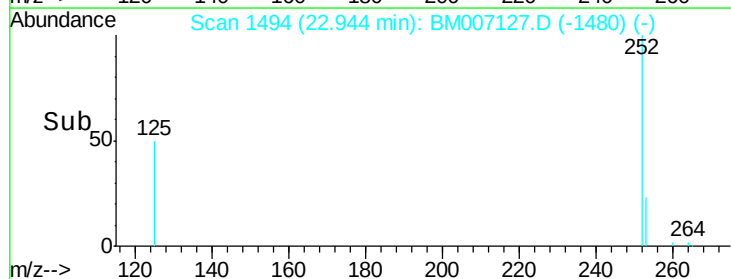
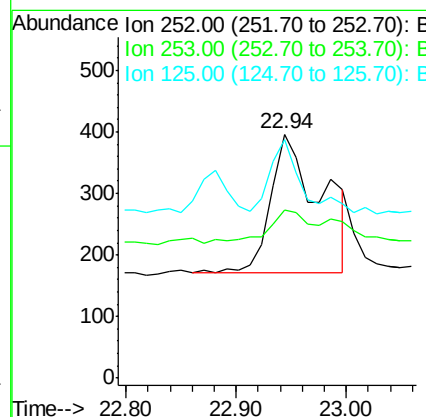
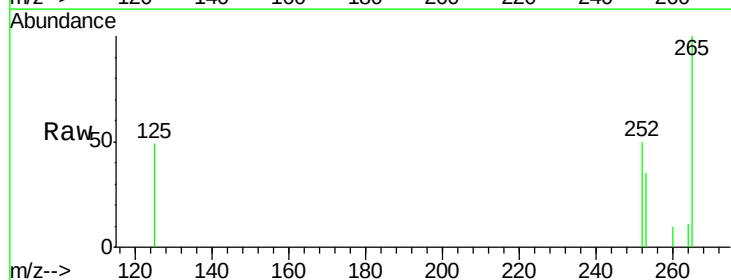
RT: 22.94 min Scan# 1494

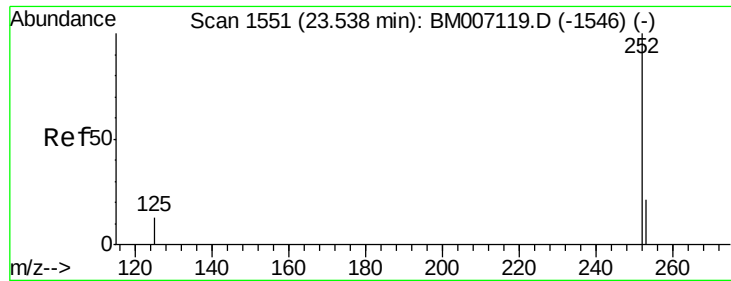
Delta R.T. -0.05 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Tgt Ion:	252	Resp:	716
Ion	Ratio	Lower	Upper
252	100		
253	68.9	19.8	29.8#
125	97.7	10.4	15.6#





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.49 min Scan# 1546

Delta R.T. -0.05 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

Instrument :

BNA_M

ClientSampleId :

A4V21MS

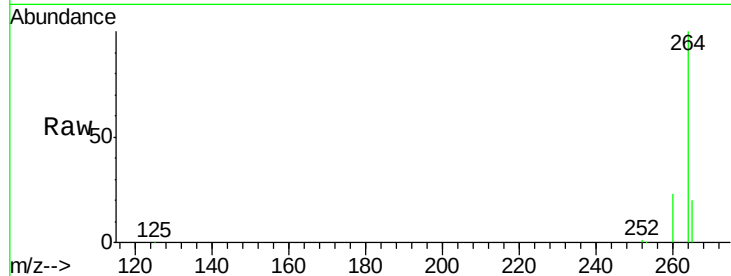
Tgt Ion: 252 Resp: 2680

Ion Ratio Lower Upper

252 100

253 39.3 19.4 29.2#

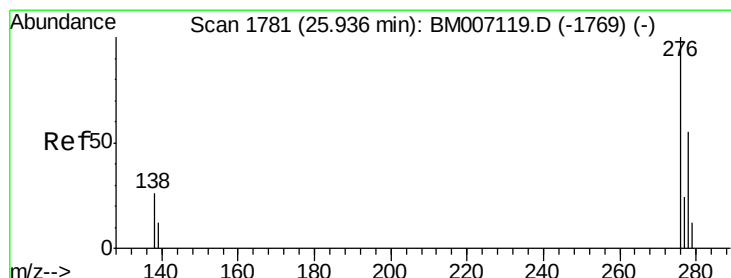
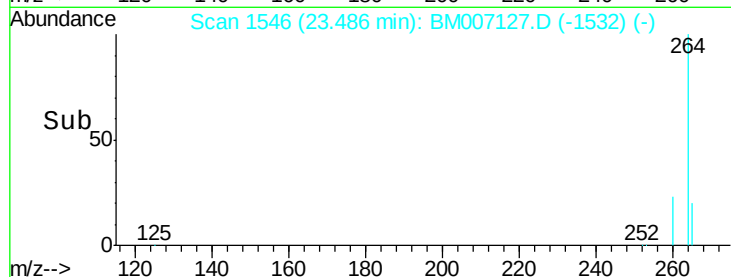
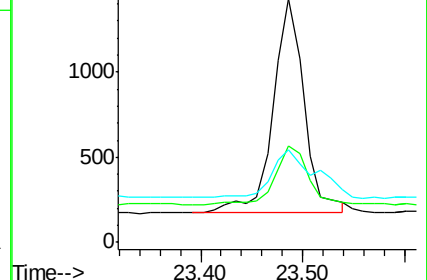
125 38.1 12.7 19.1#



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: 0.00 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.18 min

Lab File: BM007127.D

Acq: 15 Aug 2016 21:33

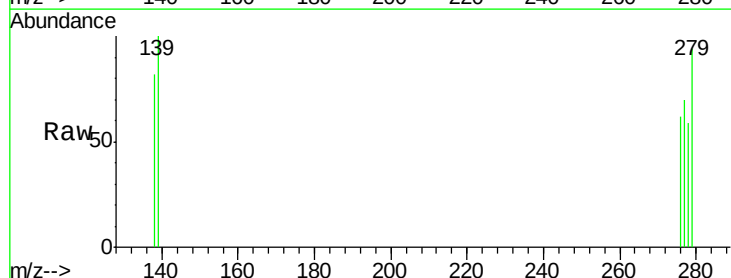
Tgt Ion: 276 Resp: 9

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

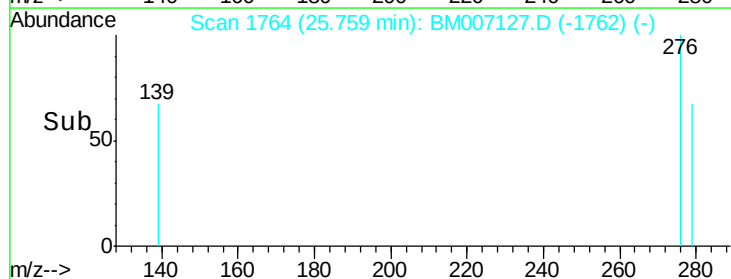
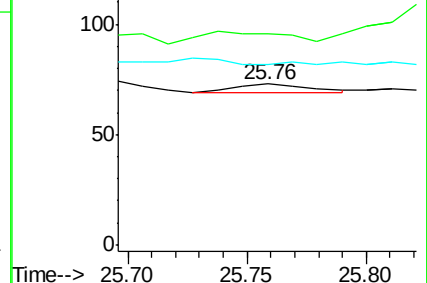
277 0.0 19.8 29.8#

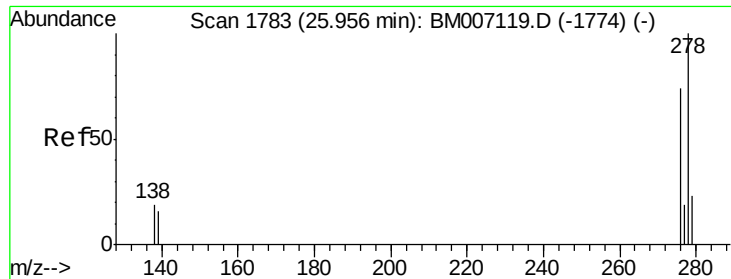


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



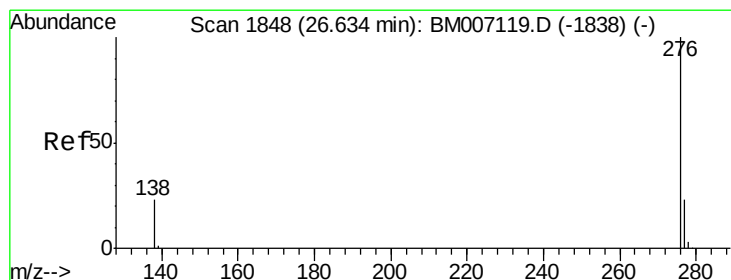
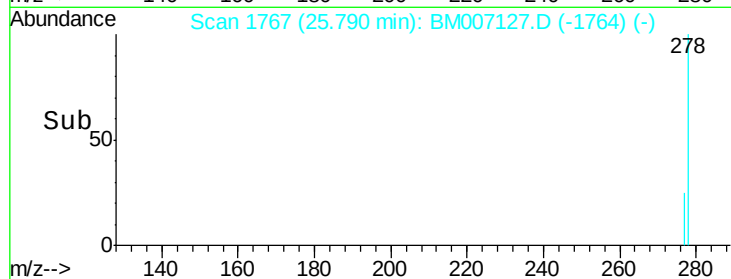
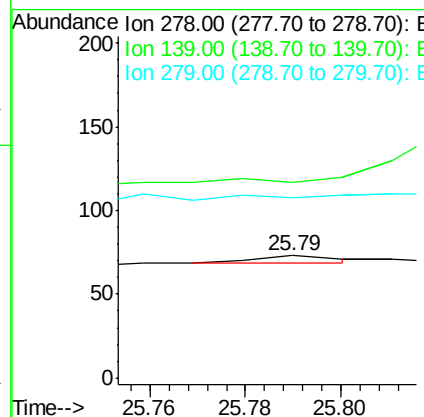
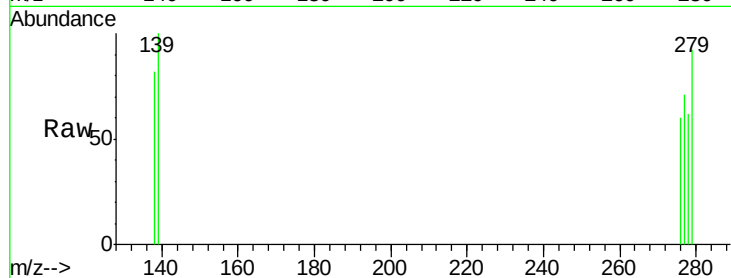


#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.79 min Scan# 1767
Delta R.T. -0.17 min
Lab File: BM007127.D
Acq: 15 Aug 2016 21:33

Instrument :
BNA_M
ClientSampleId :
A4V21MS

Tgt Ion: 278 Resp: 4

Ion	Ratio	Lower	Upper
278	100		
139	160.3	16.4	24.6#
279	147.9	20.2	30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.48 min Scan# 1833
Delta R.T. -0.16 min
Lab File: BM007127.D
Acq: 15 Aug 2016 21:33

Tgt Ion: 276 Resp: 5

Ion	Ratio	Lower	Upper
276	100		
277	115.3	18.9	28.3#
138	131.9	22.5	33.7#

