

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007128.D
 Acq On : 15 Aug 2016 22:09
 Operator : UM/SJ
 Sample : H4338-14MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V21MSD

Quant Time: Aug 16 01:56:07 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	2356	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	8779	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	4484	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	666198	0.40	ng/ul	0.10
16) Chrysene-d12	21.36	240	8684	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	570275	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3456	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	7941	0.01	ng/ul	0.00

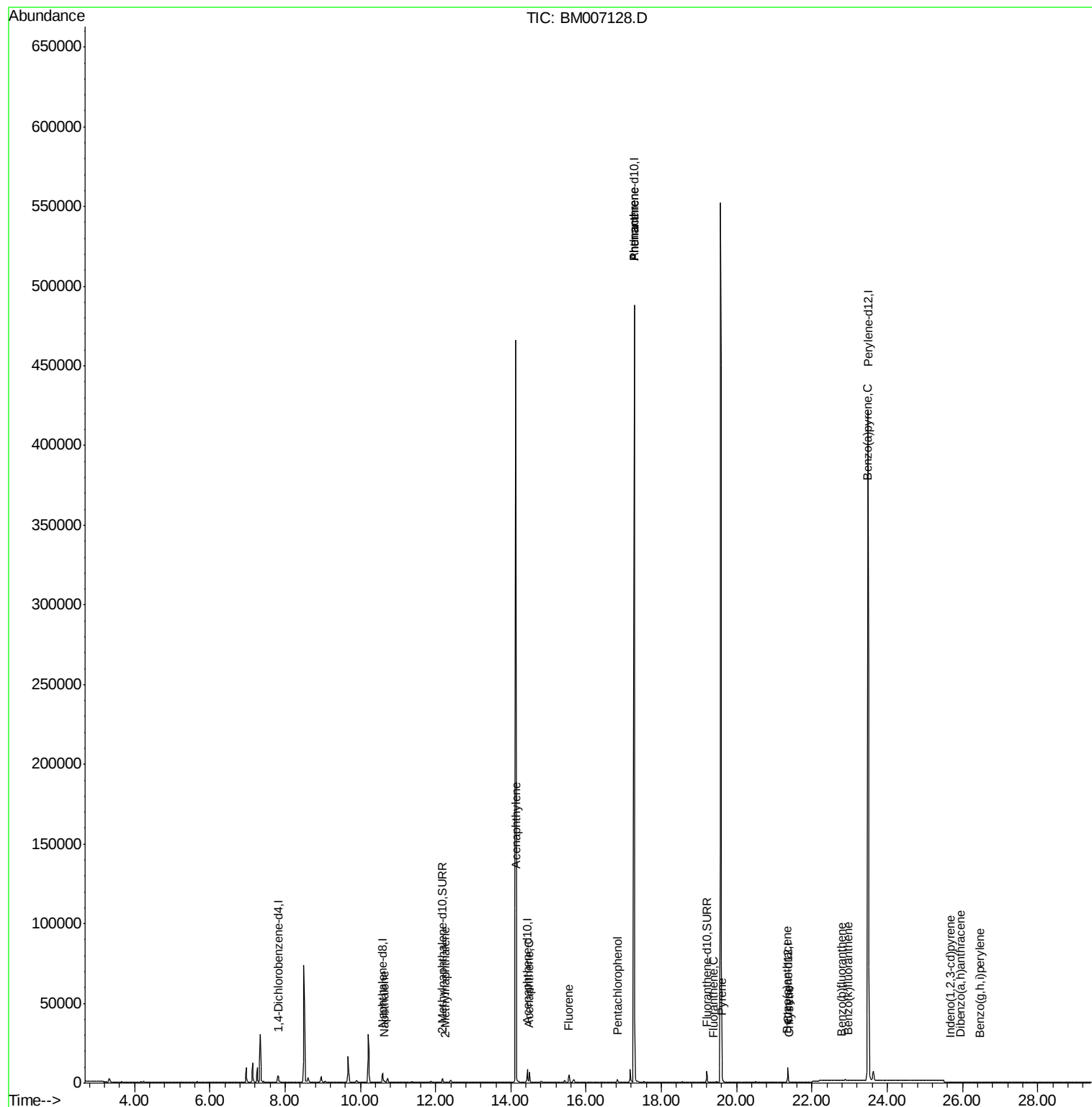
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	690	0.03	ng/ul#	68
5) 2-Methylnaphthalene	12.26	142	97	0.01	ng/ul	99
7) Acenaphthylene	14.14	152	276	0.01	ng/ul#	12
8) Acenaphthene	14.49	153	4934	0.32	ng/ul#	77
9) Fluorene	15.55	166	75	0.00	ng/ul#	1
11) Pentachlorophenol	16.83	266	1200	0.01	ng/ul	95
12) Phenanthrene	17.28	178	557	0.00	ng/ul#	1
13) Anthracene	17.28	178	539	0.00	ng/ul#	1
15) Fluoranthene	19.39	202	110	0.00	ng/ul#	1
17) Pyrene	19.60	202	13063	0.45	ng/ul#	92
18) Benzo(a)anthracene	21.35	228	250	0.01	ng/ul#	7
19) Chrysene	21.40	228	229	0.01	ng/ul#	30
21) Benzo(b)fluoranthene	22.79	252	15	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.95	252	518	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.48	252	2696	0.00	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	25.68	276	18	0.00	ng/ul#	10
25) Dibenzo(a,h)anthracene	25.94	278	377	0.00	ng/ul#	4
26) Benzo(g,h,i)perylene	26.46	276	4	0.00	ng/ul#	1

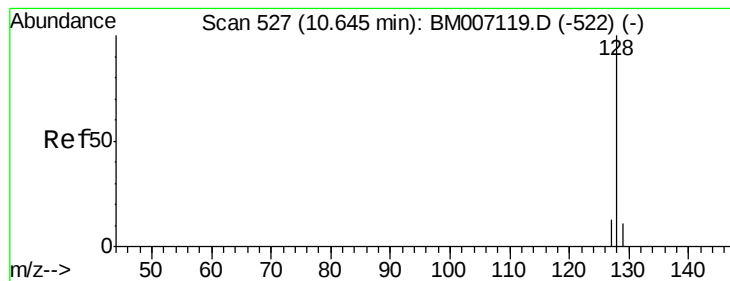
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
Data File : BM007128.D
Acq On : 15 Aug 2016 22:09
Operator : UM/SJ
Sample : H4338-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4V21MSD

Quant Time: Aug 16 01:56:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 01:54:24 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. -0.00 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

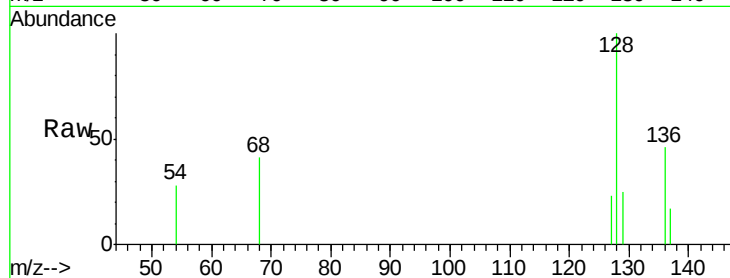
Tgt Ion:128 Resp: 690

Ion Ratio Lower Upper

128 100

129 24.7 9.0 13.6#

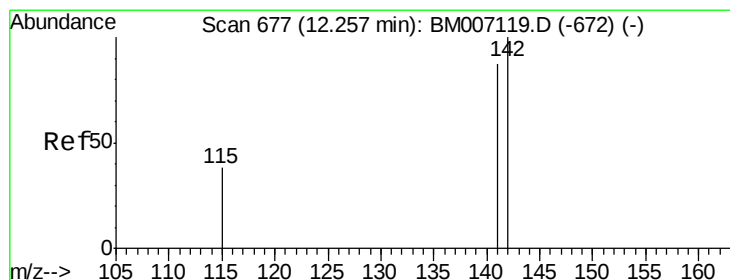
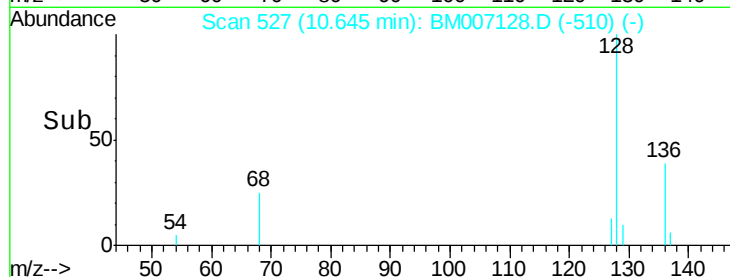
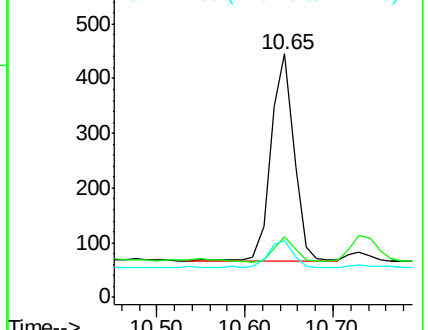
127 23.1 9.6 14.4#



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: 0.01 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM007128.D

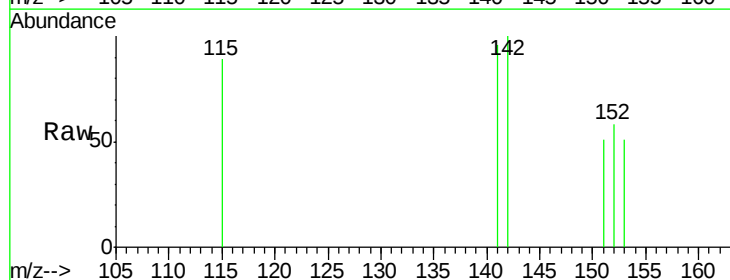
Acq: 15 Aug 2016 22:09

Tgt Ion:142 Resp: 97

Ion Ratio Lower Upper

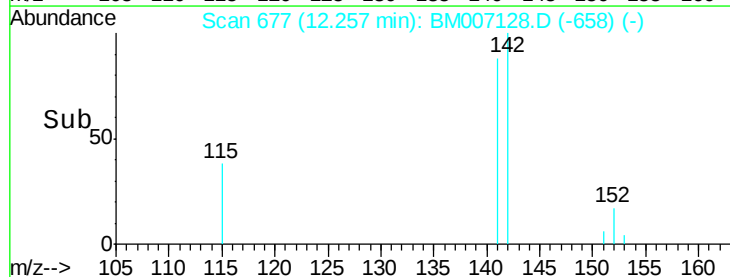
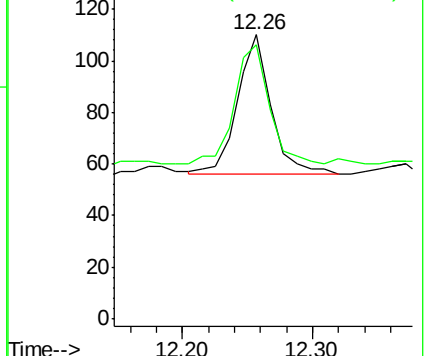
142 100

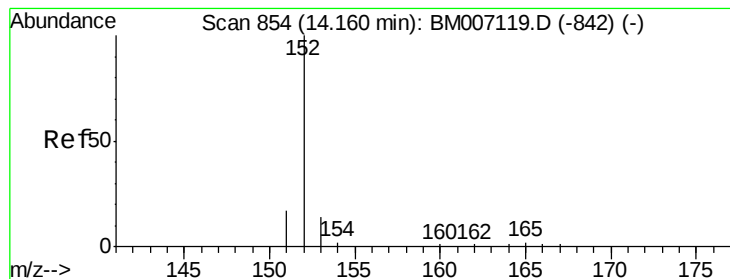
141 88.7 70.3 105.5



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: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

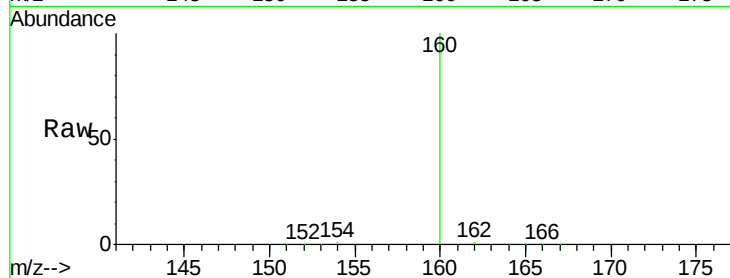
Tgt Ion:152 Resp: 276

Ion Ratio Lower Upper

152 100

151 53.9 17.6 26.4#

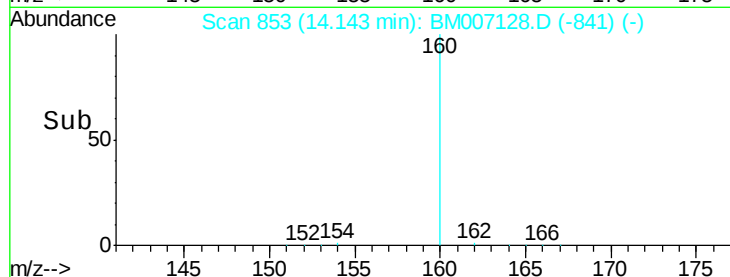
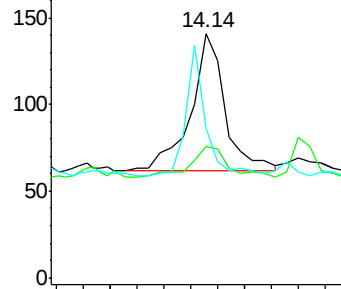
153 61.0 9.7 14.5#



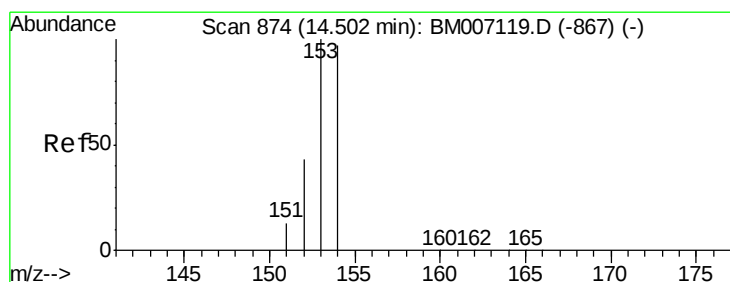
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.32 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

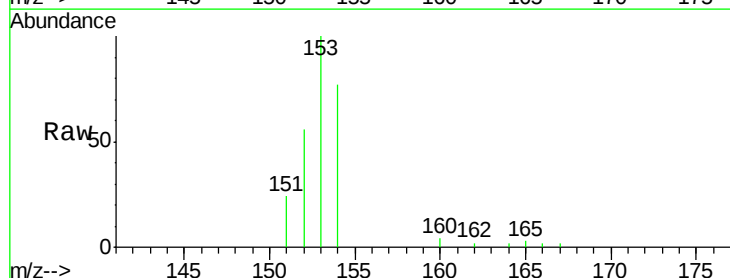
Tgt Ion:153 Resp: 4934

Ion Ratio Lower Upper

153 100

152 56.0 33.9 50.9#

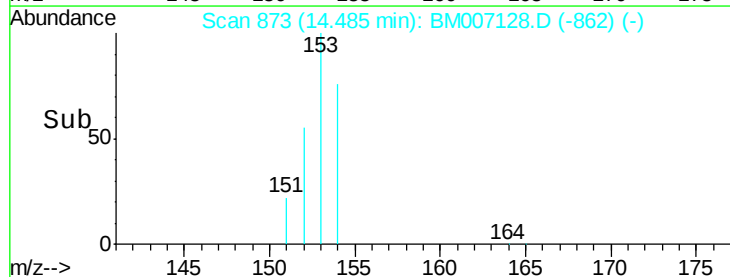
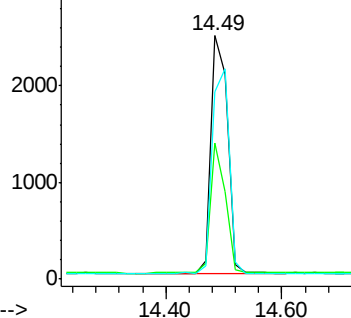
154 76.7 80.6 121.0#

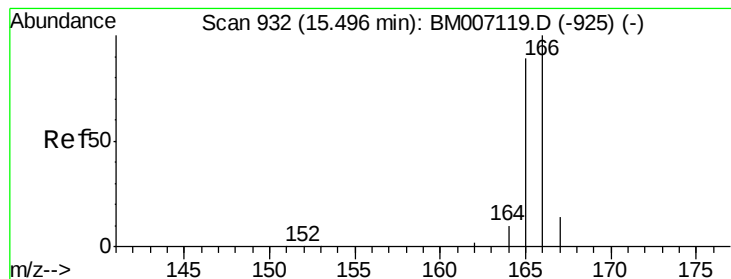


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

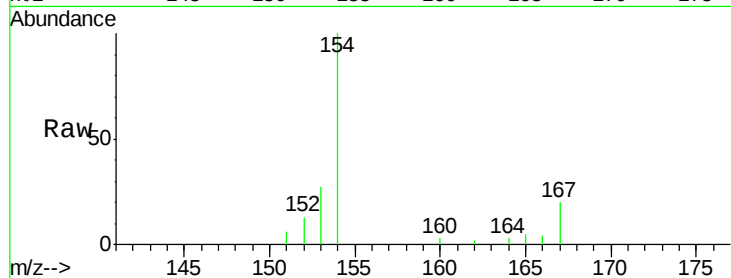
Tgt Ion:166 Resp: 75

Ion Ratio Lower Upper

166 100

165 133.0 69.6 104.4#

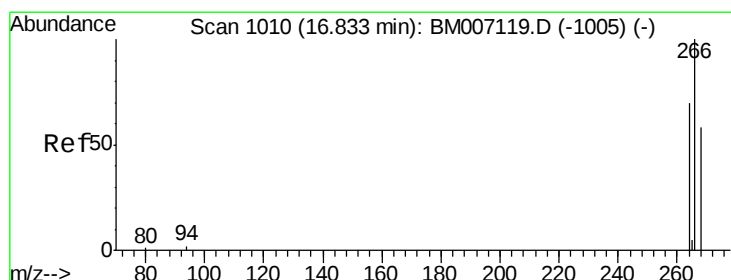
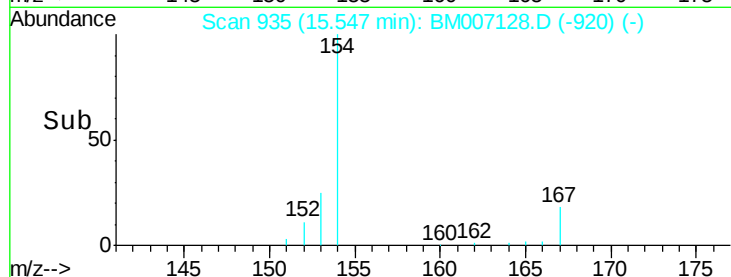
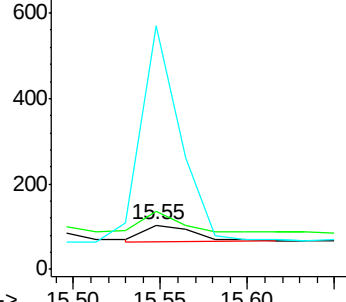
167 553.4 11.9 17.9#



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: 0.01 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

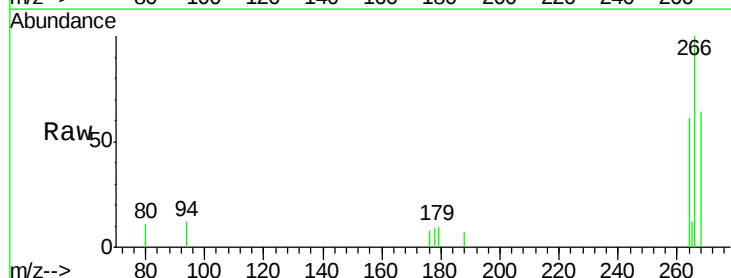
Tgt Ion:266 Resp: 1200

Ion Ratio Lower Upper

266 100

264 60.7 51.8 77.8

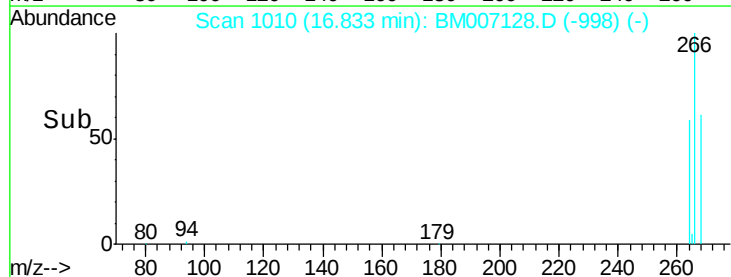
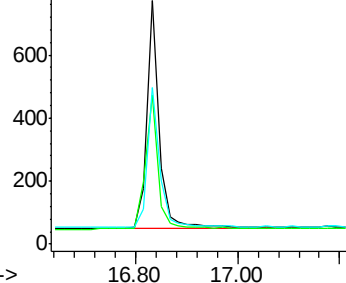
268 62.4 46.8 70.2

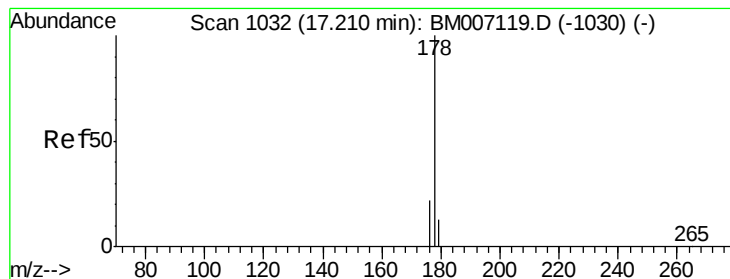


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.28 min Scan# 1036

Delta R.T. 0.07 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

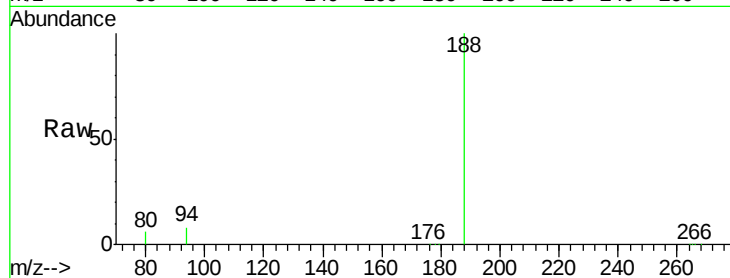
Tgt Ion:178 Resp: 557

Ion Ratio Lower Upper

178 100

176 29.7 13.0 19.4#

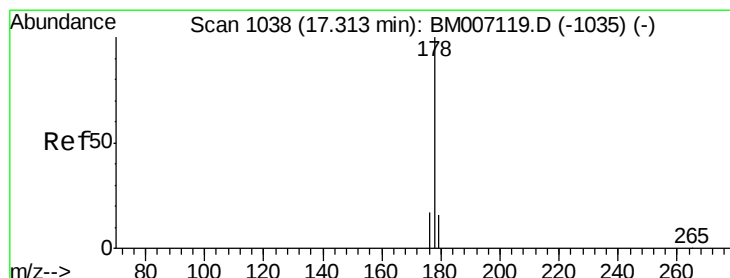
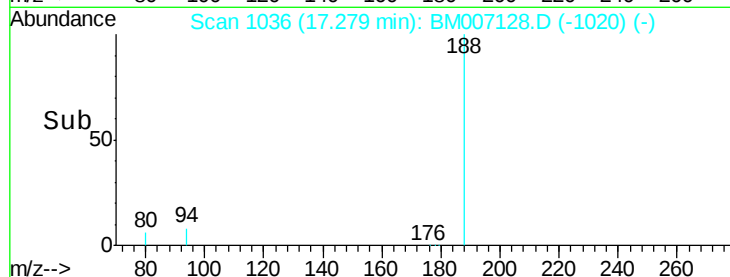
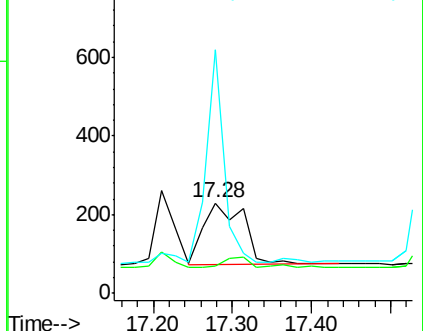
179 270.3 14.2 21.2#



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: 17.28 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

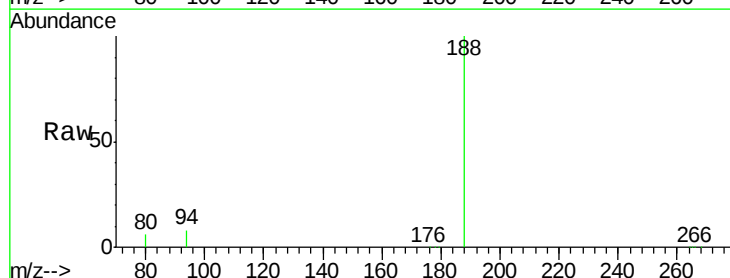
Tgt Ion:178 Resp: 539

Ion Ratio Lower Upper

178 100

176 29.7 14.0 21.0#

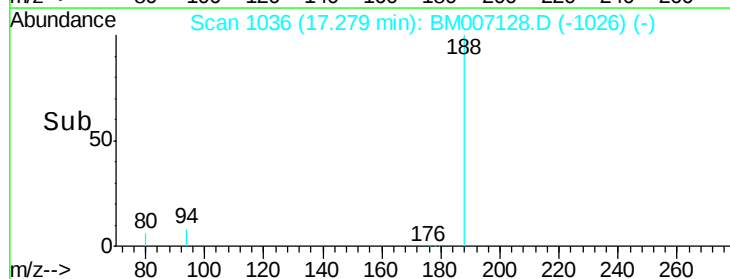
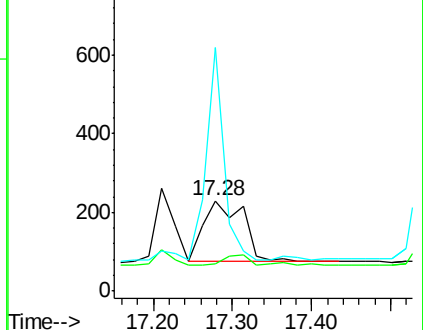
179 270.3 12.9 19.3#

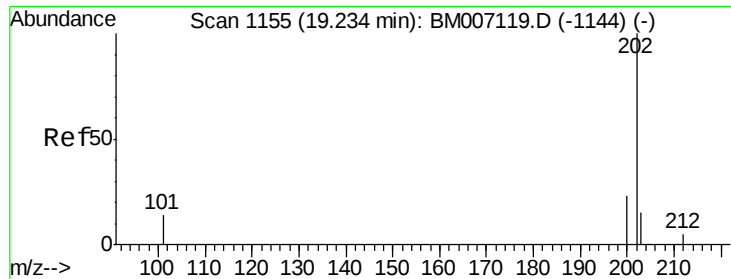


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.39 min Scan# 1168

Delta R.T. 0.15 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

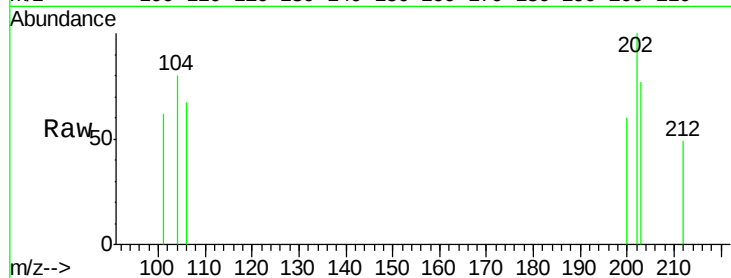
Tgt Ion:202 Resp: 110

Ion Ratio Lower Upper

202 100

101 62.1 0.0 29.6#

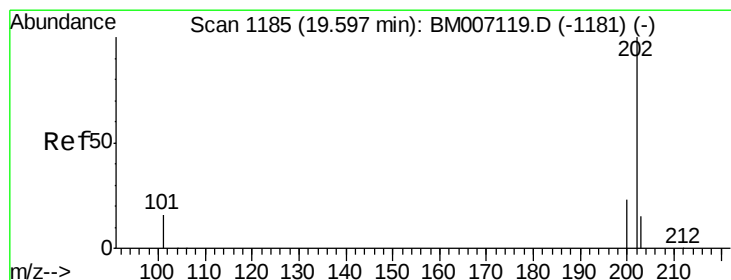
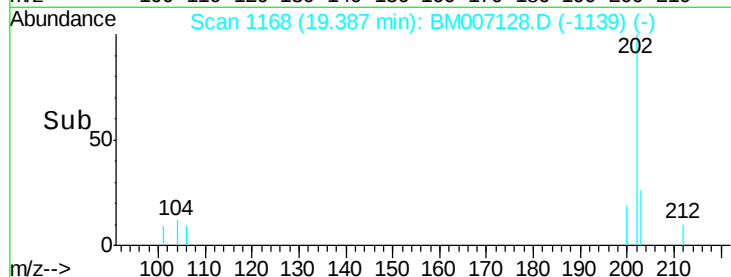
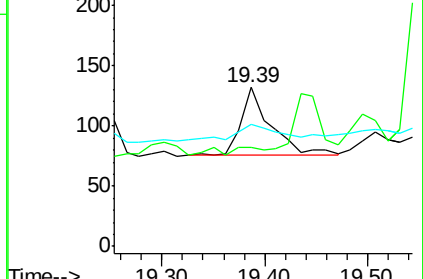
203 76.5 0.0 36.3#



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: 0.45 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

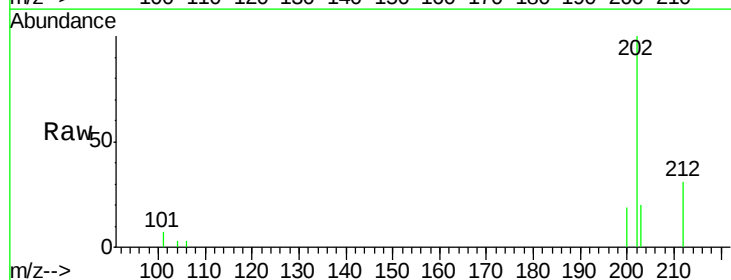
Tgt Ion:202 Resp: 13063

Ion Ratio Lower Upper

202 100

200 19.2 17.8 26.8

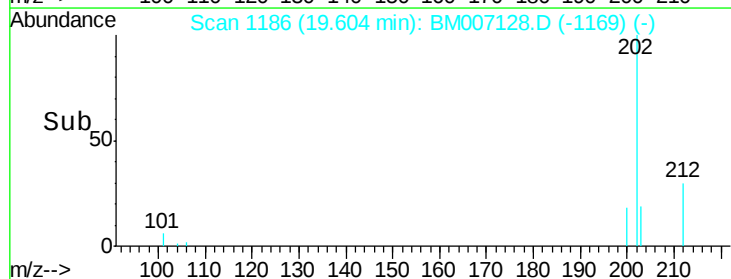
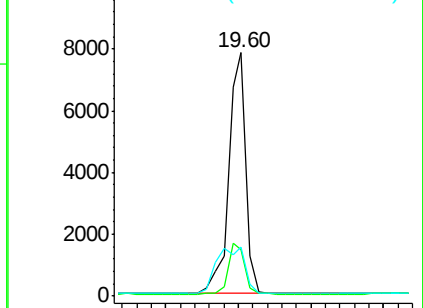
203 19.9 12.8 19.2#

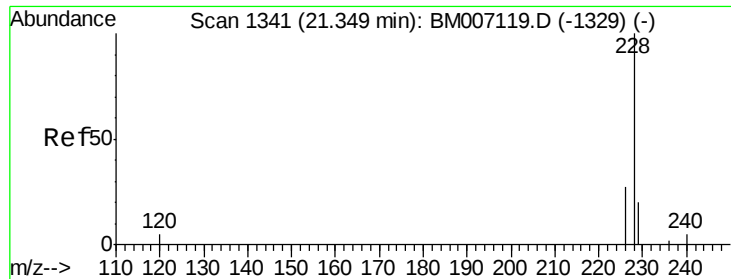


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

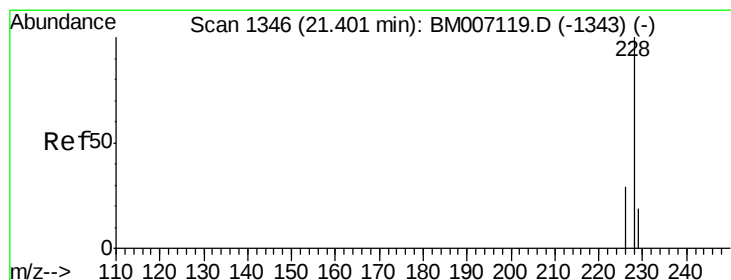
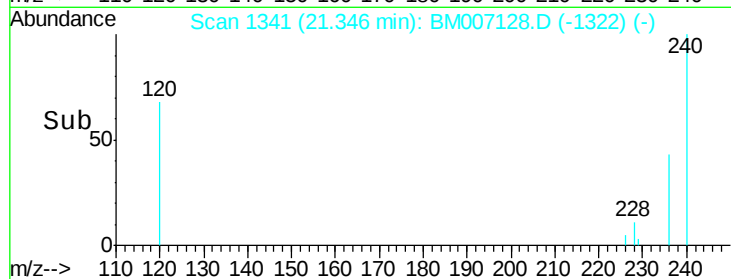
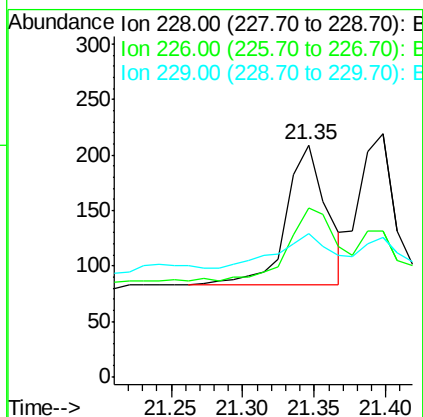
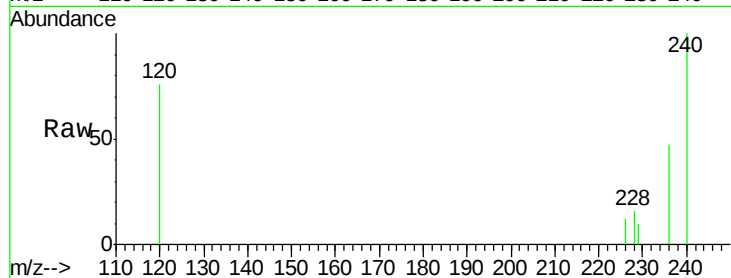
Tgt Ion:228 Resp: 250

Ion Ratio Lower Upper

228 100

226 72.7 18.8 28.2#

229 61.7 17.1 25.7#



#19

Chrysene

Concen: 0.01 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

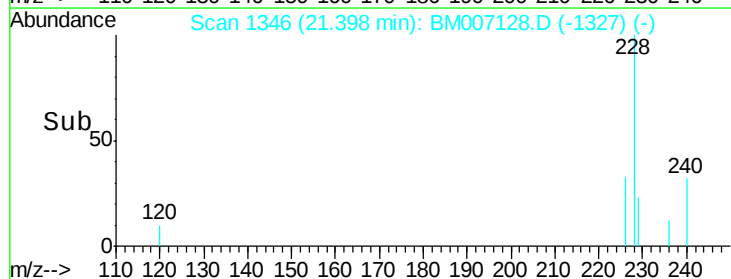
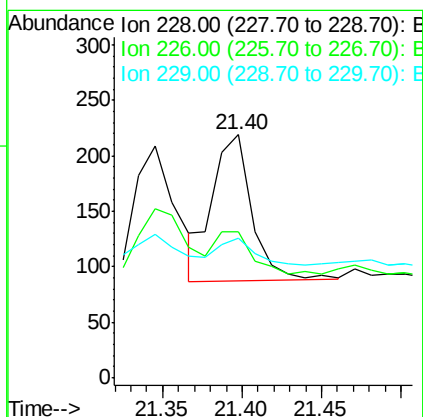
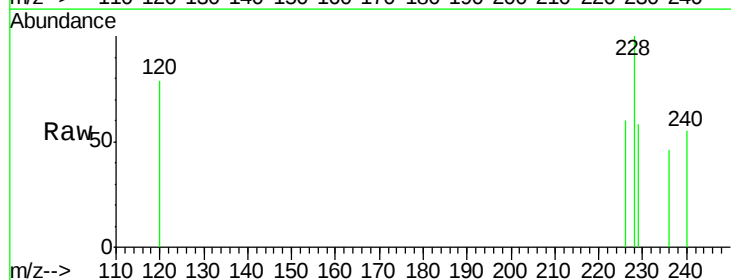
Tgt Ion:228 Resp: 229

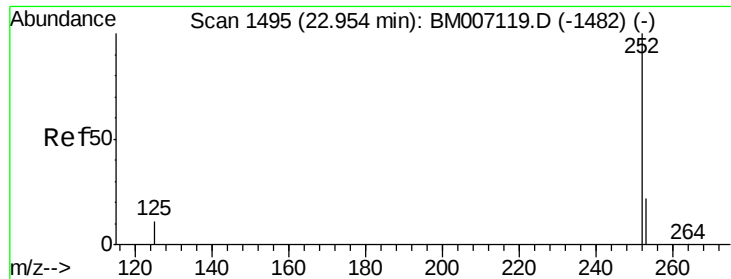
Ion Ratio Lower Upper

228 100

226 59.8 21.2 31.8#

229 57.5 17.0 25.6#





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.79 min Scan# 1480

Delta R.T. -0.16 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

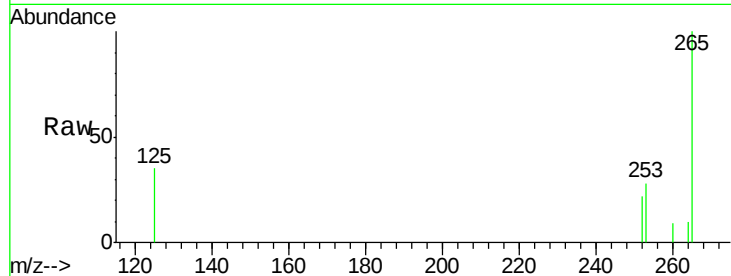
BNA_M

ClientSampleId :

A4V21MSD

Tgt Ion:252 Resp: 15

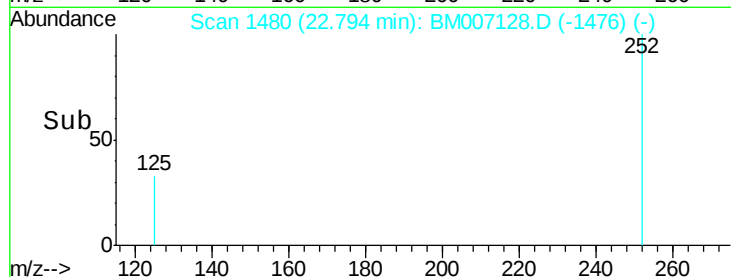
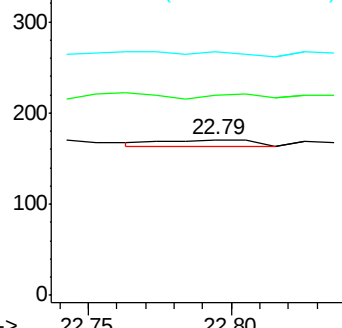
Ion	Ratio	Lower	Upper
252	100		
253	128.1	0.0	45.4#
125	156.1	0.0	28.8#



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: 0.00 ng/u1

RT: 22.95 min Scan# 1495

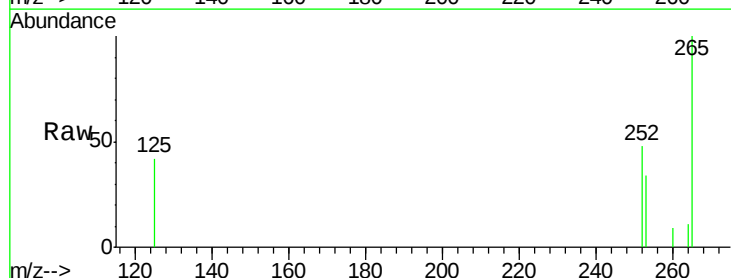
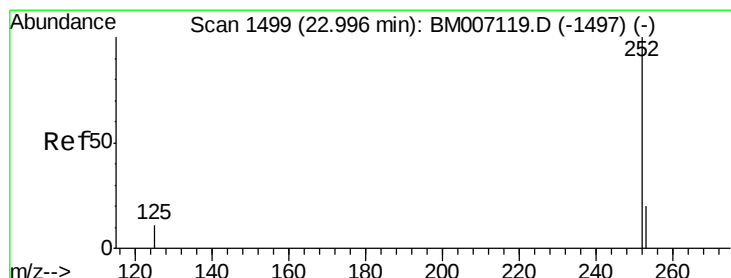
Delta R.T. -0.05 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Tgt Ion:252 Resp: 518

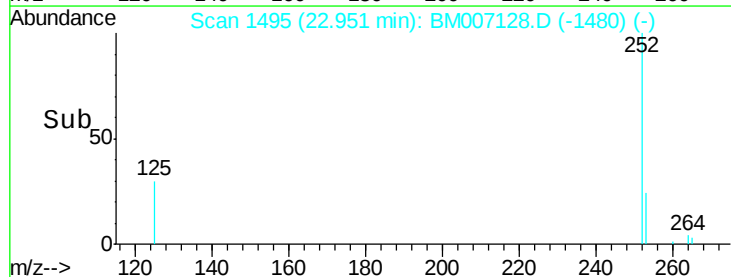
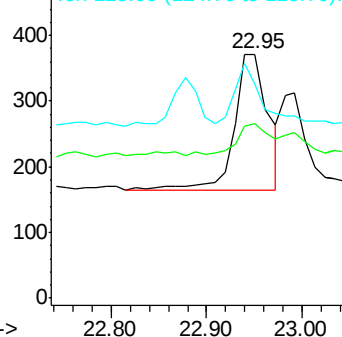
Ion	Ratio	Lower	Upper
252	100		
253	71.7	19.8	29.8#
125	87.9	10.4	15.6#

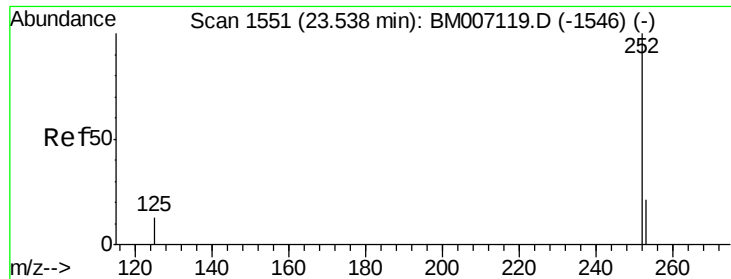


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.48 min Scan# 1546

Delta R.T. -0.06 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

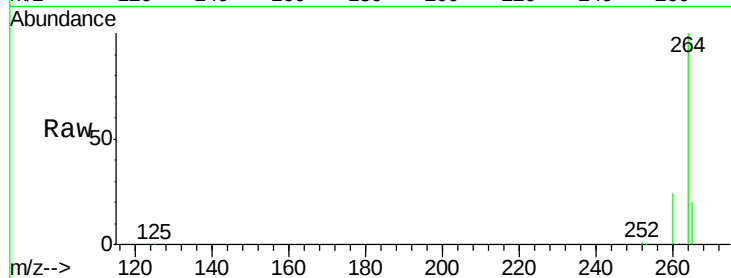
Tgt Ion:252 Resp: 2696

Ion Ratio Lower Upper

252 100

253 39.3 19.4 29.2#

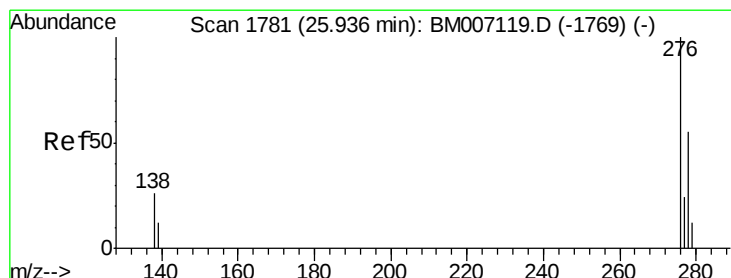
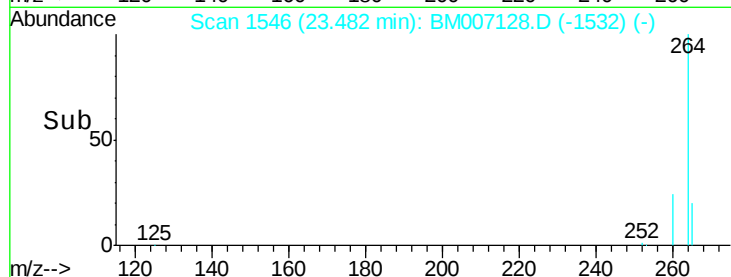
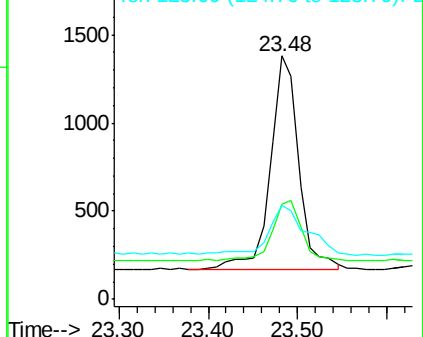
125 38.7 12.7 19.1#



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: 25.68 min Scan# 1757

Delta R.T. -0.25 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

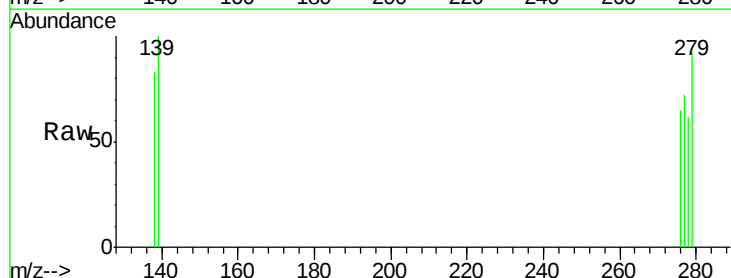
Tgt Ion:276 Resp: 18

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

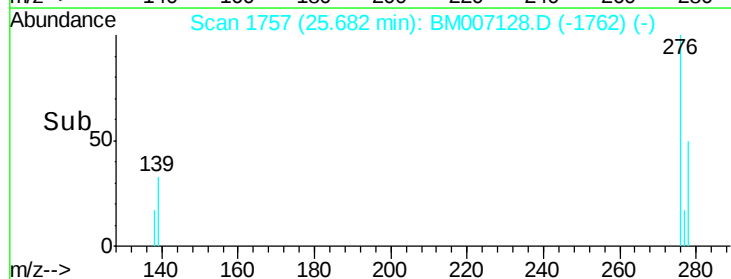
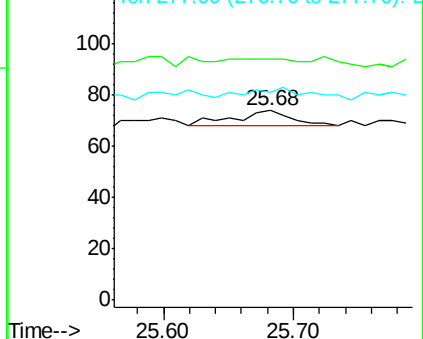
277 88.9 19.8 29.8#

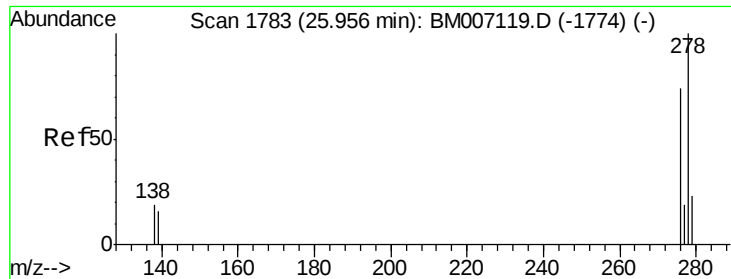


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.94 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

Instrument :

BNA_M

ClientSampleId :

A4V21MSD

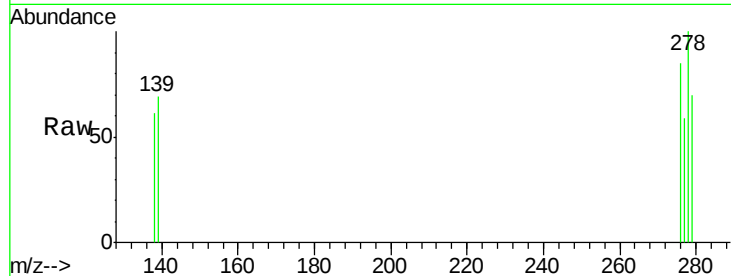
Tgt Ion: 278 Resp: 377

Ion Ratio Lower Upper

278 100

139 69.0 16.4 24.6#

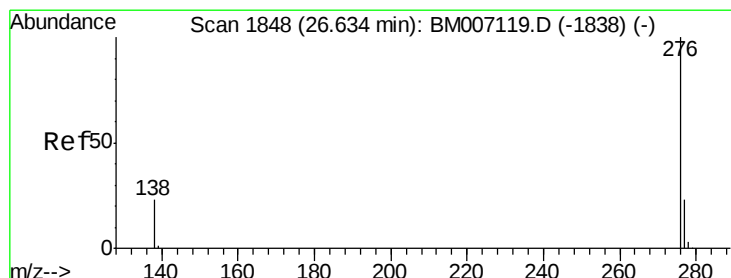
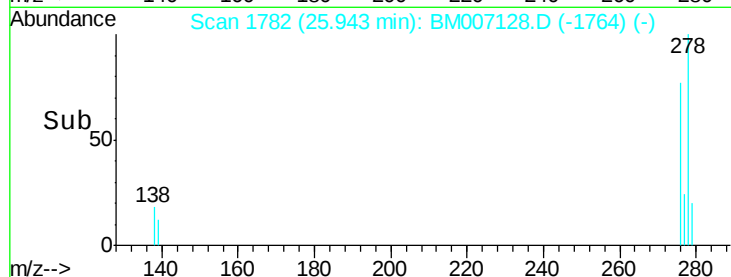
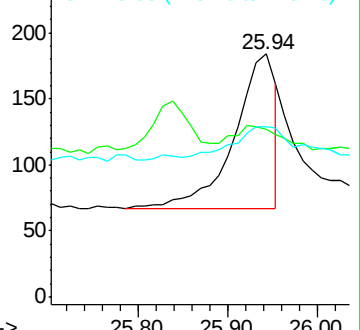
279 70.1 20.2 30.2#



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: 0.00 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.17 min

Lab File: BM007128.D

Acq: 15 Aug 2016 22:09

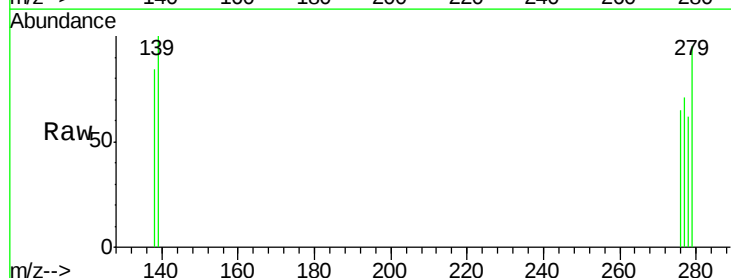
Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 109.7 18.9 28.3#

138 129.2 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

