

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007125.D
 Acq On : 15 Aug 2016 20:21
 Operator : UM/SJ
 Sample : H4338-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V19

Quant Time: Aug 16 01:55:38 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	2051	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	7201	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3706	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	558156	0.40	ng/ul	0.10
16) Chrysene-d12	21.36	240	6942	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	484913	0.40	ng/ul	-0.16

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.18	152	3071	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	6446	0.01	ng/ul	0.00

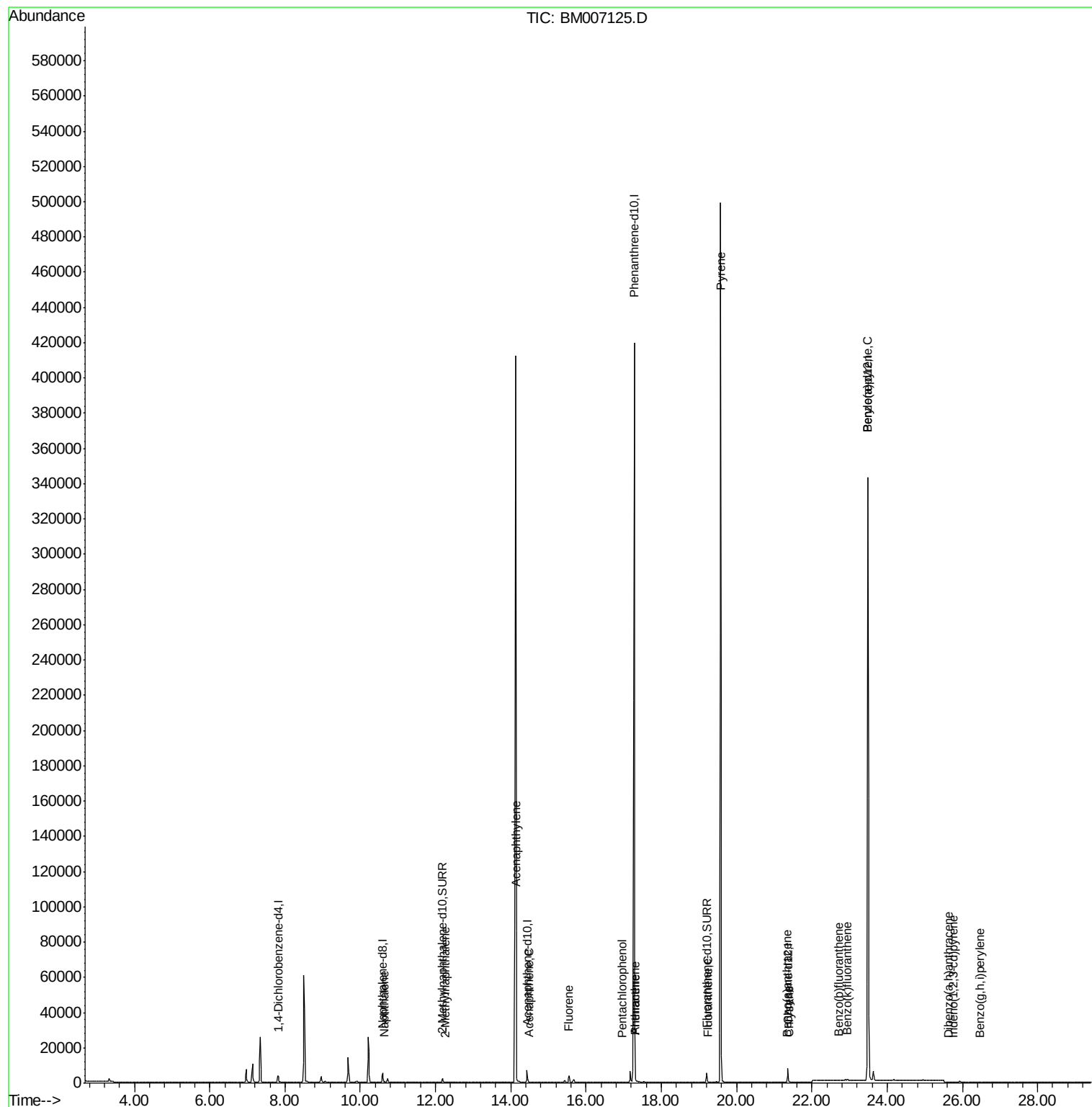
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	504	0.03	ng/ul#	62
5) 2-Methylnaphthalene	12.26	142	121	0.01	ng/ul	90
7) Acenaphthylene	14.14	152	296	0.01	ng/ul#	24
8) Acenaphthene	14.49	153	157	0.01	ng/ul#	73
9) Fluorene	15.55	166	68	0.00	ng/ul#	1
11) Pentachlorophenol	16.95	266	2	0.00	ng/ul#	20
12) Phenanthrene	17.31	178	585	0.00	ng/ul#	45
13) Anthracene	17.31	178	611	0.00	ng/ul#	45
15) Fluoranthene	19.23	202	516	0.00	ng/ul	60
17) Pyrene	19.57	202	1472	0.06	ng/ul#	1
18) Benzo(a)anthracene	21.34	228	264	0.01	ng/ul#	19
19) Chrysene	21.39	228	266	0.01	ng/ul#	35
21) Benzo(b)fluoranthene	22.71	252	22	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.94	252	718	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.49	252	2347	0.00	ng/ul#	54
24) Indeno(1,2,3-cd)pyrene	25.75	276	5	0.00	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.63	278	13	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.46	276	6	0.00	ng/ul#	1

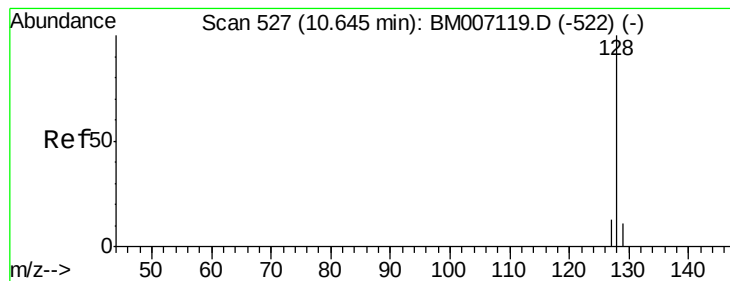
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

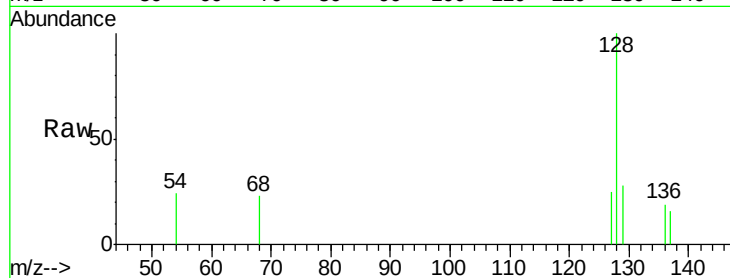
Tgt Ion:128 Resp: 504

Ion Ratio Lower Upper

128 100

129 28.0 9.0 13.6#

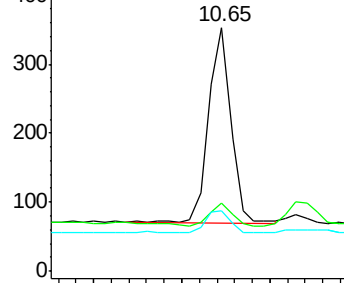
127 24.9 9.6 14.4#



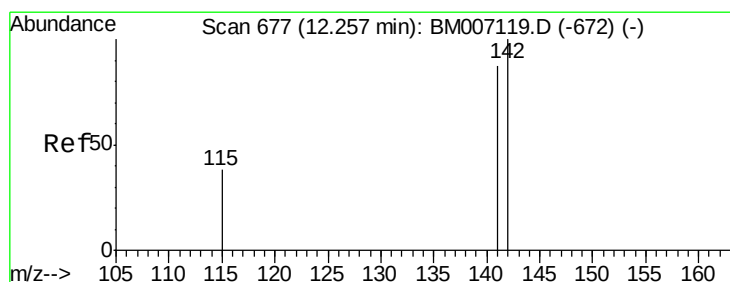
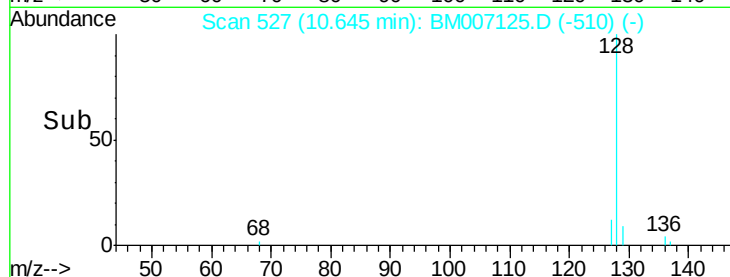
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM007125.D

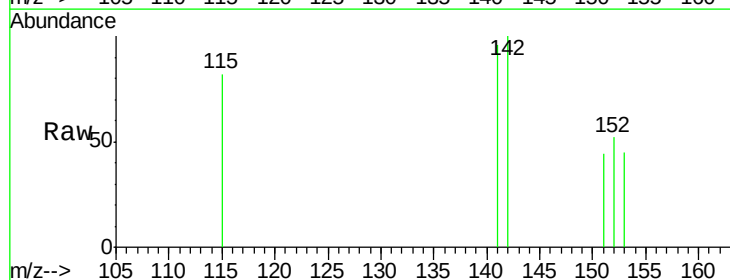
Acq: 15 Aug 2016 20:21

Tgt Ion:142 Resp: 121

Ion Ratio Lower Upper

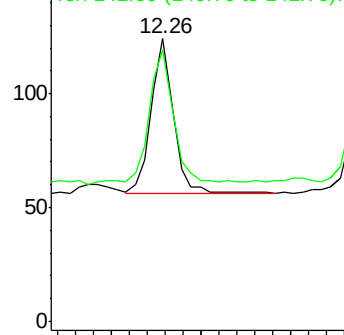
142 100

141 97.5 70.3 105.5

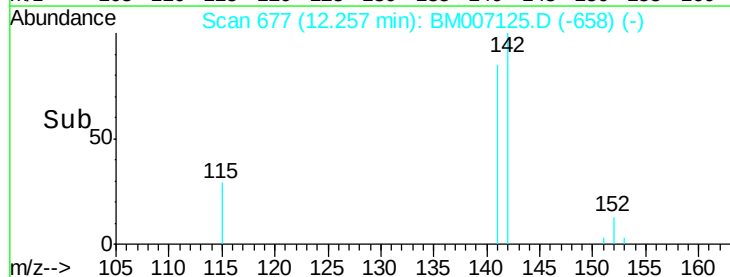


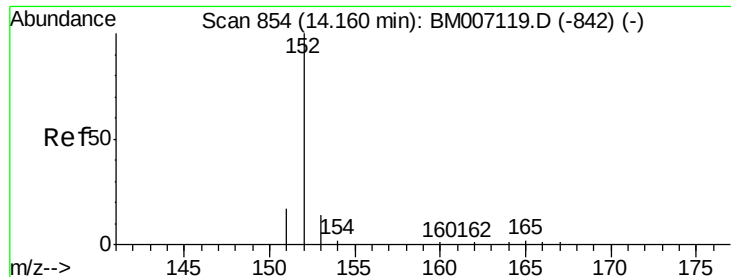
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

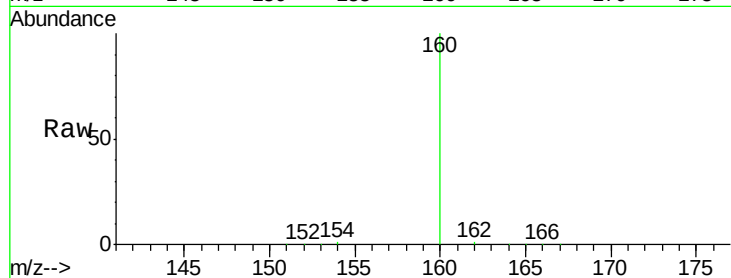
Tgt Ion:152 Resp: 296

Ion Ratio Lower Upper

152 100

151 50.3 17.6 26.4#

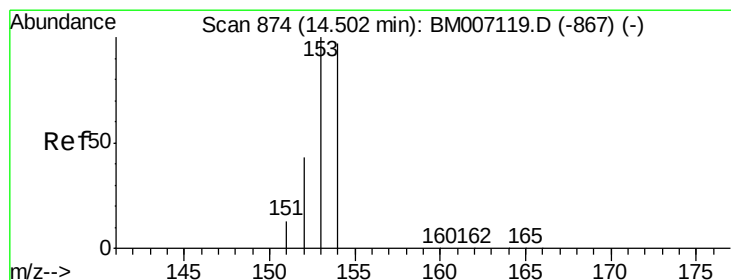
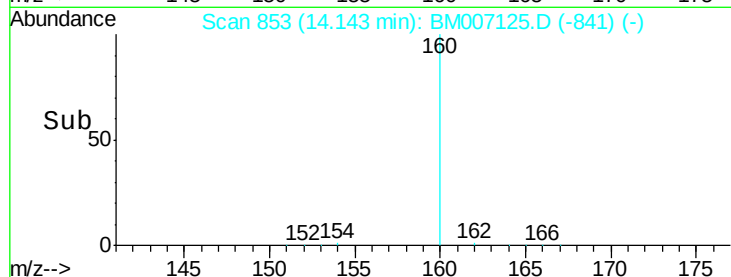
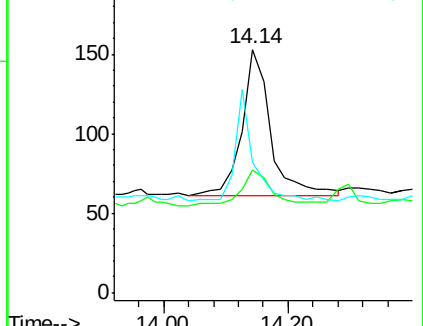
153 53.6 9.7 14.5#



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: 0.01 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

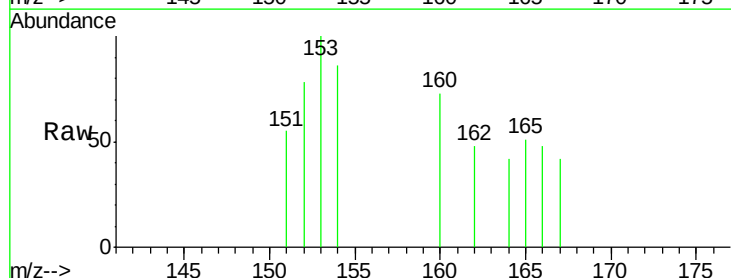
Tgt Ion:153 Resp: 157

Ion Ratio Lower Upper

153 100

152 78.0 33.9 50.9#

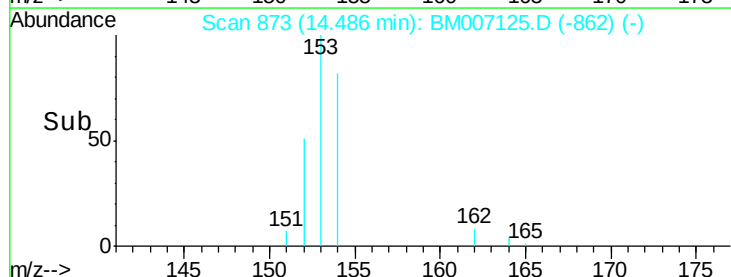
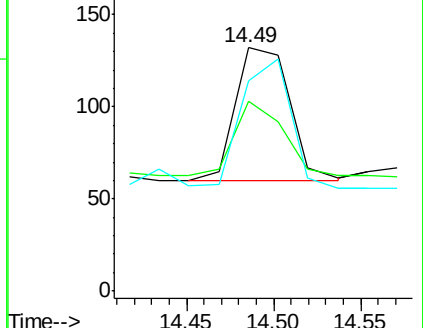
154 86.4 80.6 121.0

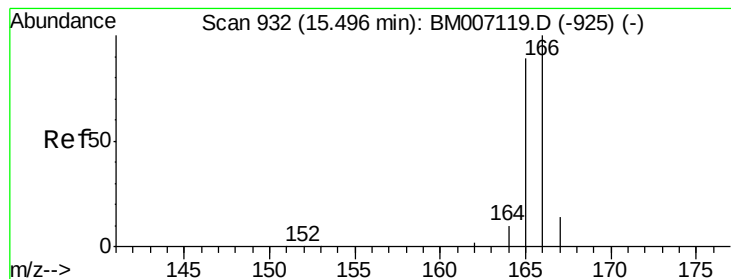


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.00 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.05 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

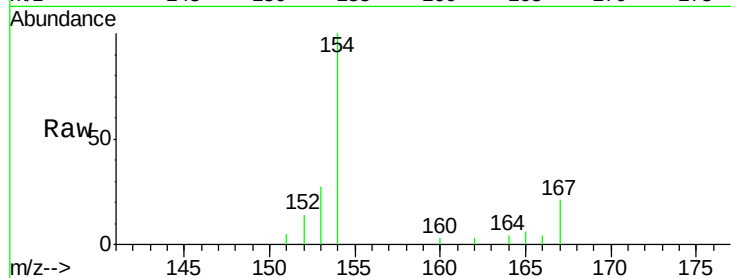
Tgt Ion:166 Resp: 68

Ion Ratio Lower Upper

166 100

165 135.4 69.6 104.4#

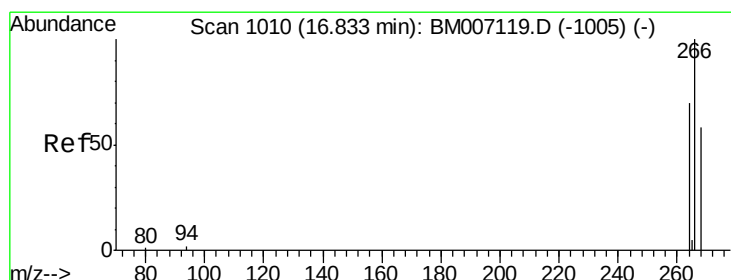
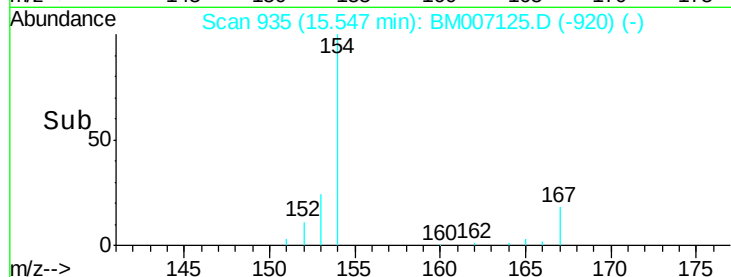
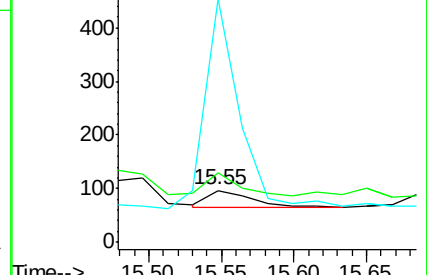
167 472.9 11.9 17.9#



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: 0.00 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. 0.12 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

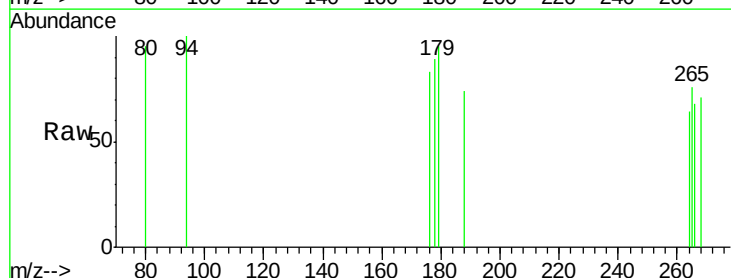
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

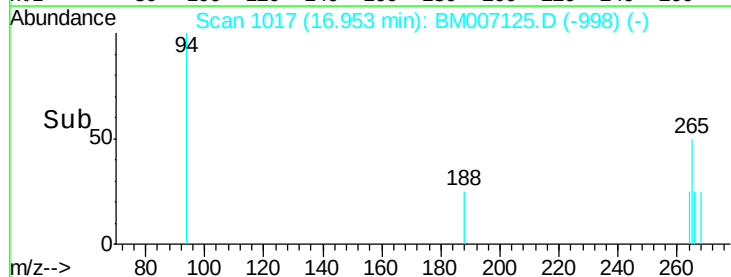
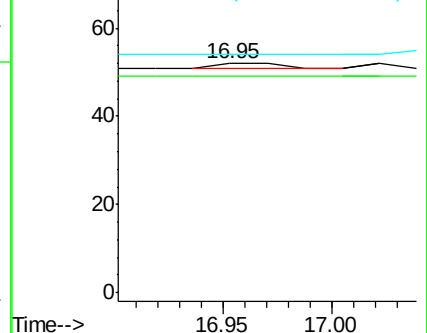
268 0.0 46.8 70.2#

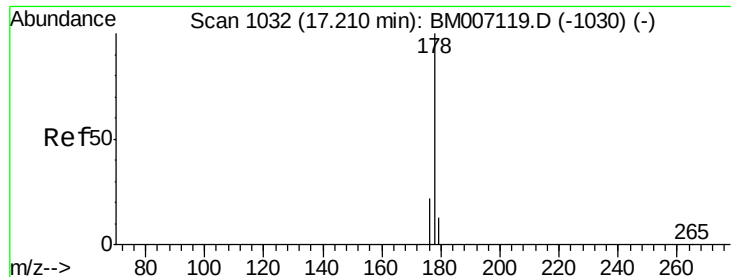


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

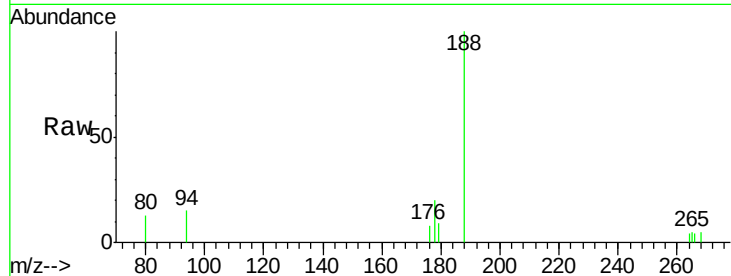
Tgt Ion:178 Resp: 585

Ion Ratio Lower Upper

178 100

176 38.1 13.0 19.4#

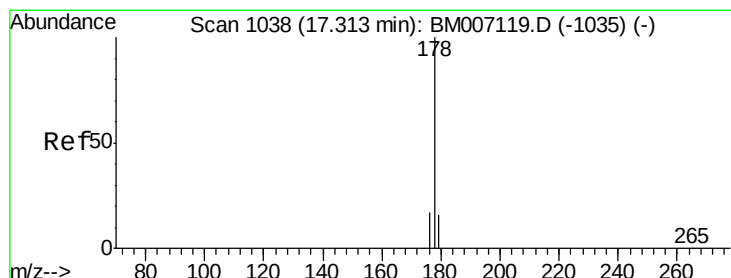
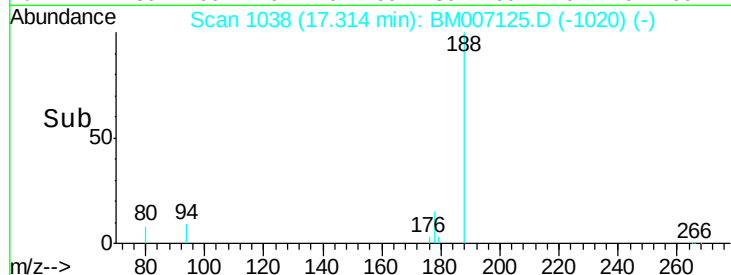
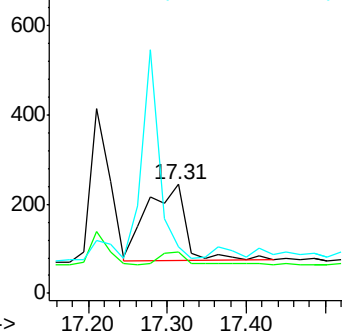
179 43.0 14.2 21.2#



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: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

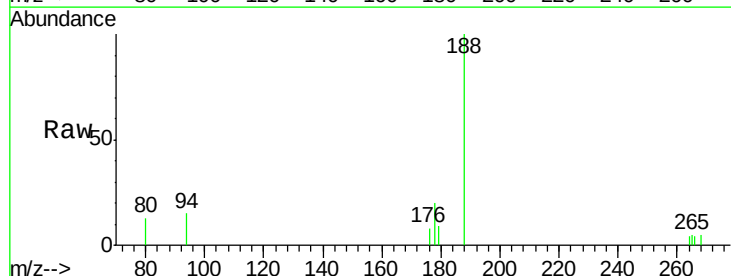
Tgt Ion:178 Resp: 611

Ion Ratio Lower Upper

178 100

176 38.1 14.0 21.0#

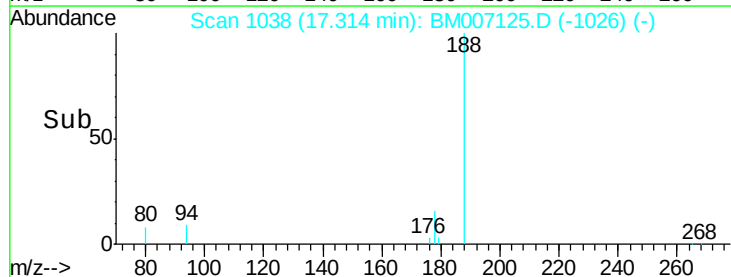
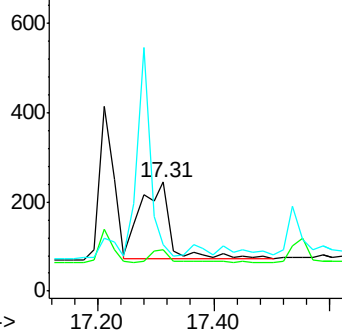
179 43.0 12.9 19.3#

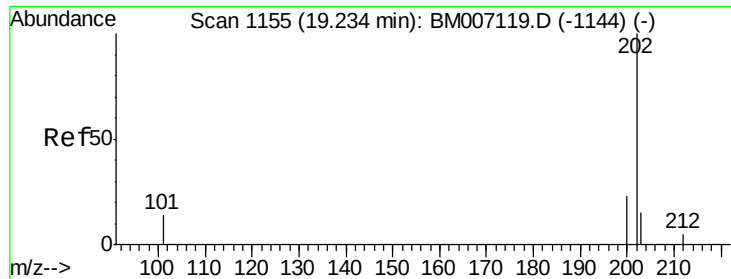


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.23 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

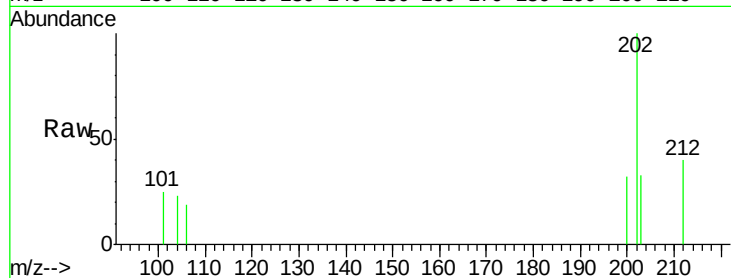
Tgt Ion:202 Resp: 516

Ion Ratio Lower Upper

202 100

101 24.7 0.0 29.6

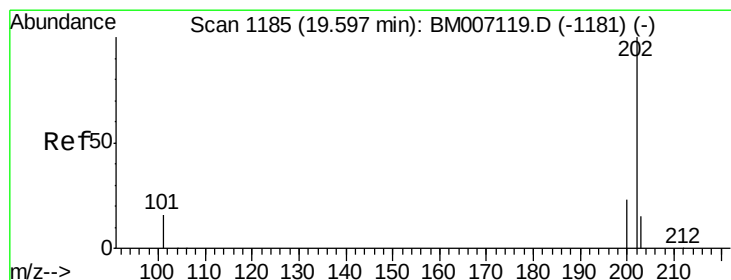
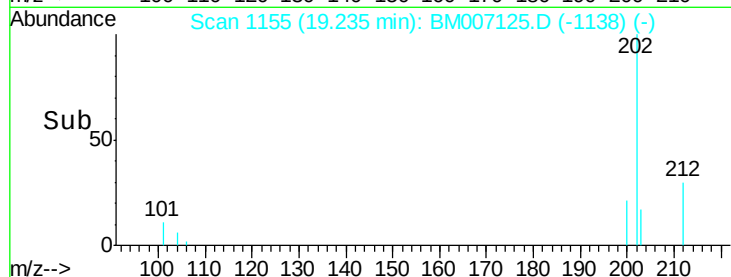
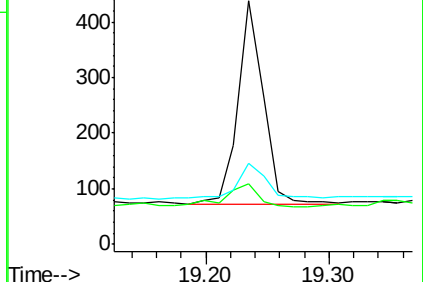
203 33.1 0.0 36.3



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: 0.06 ng/ul

RT: 19.57 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

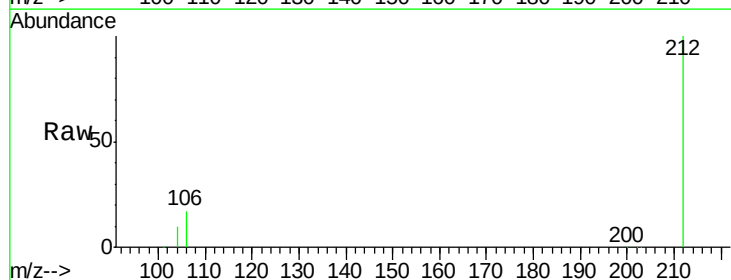
Tgt Ion:202 Resp: 1472

Ion Ratio Lower Upper

202 100

200 12.0 17.8 26.8#

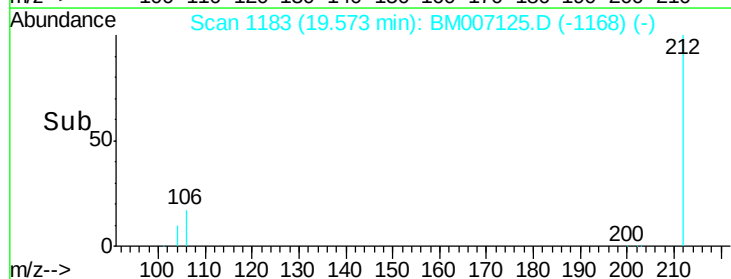
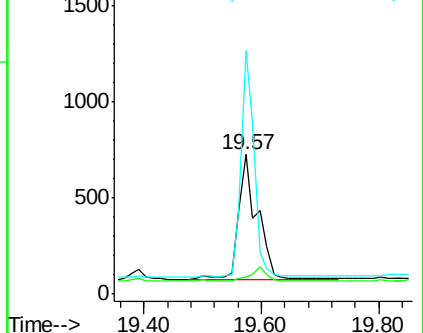
203 174.1 12.8 19.2#

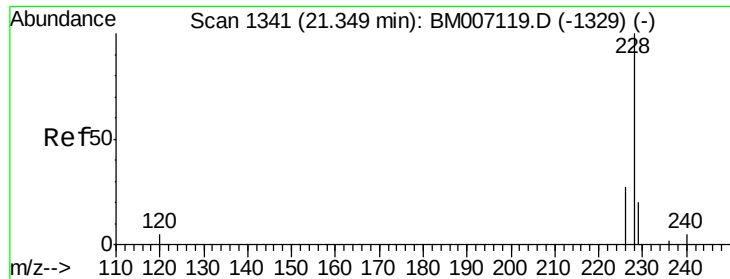


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

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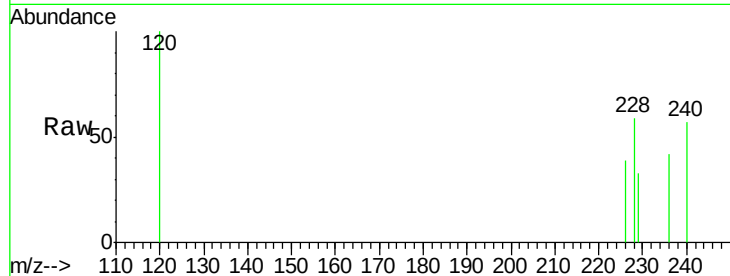
Tgt Ion:228 Resp: 264

Ion Ratio Lower Upper

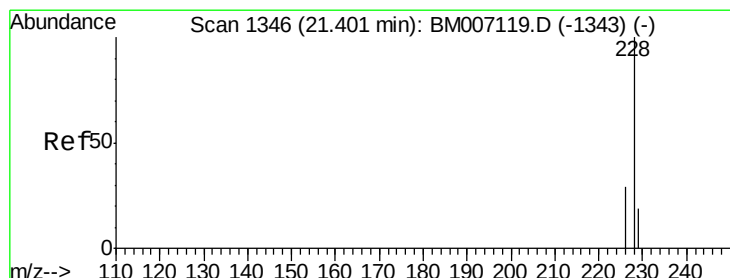
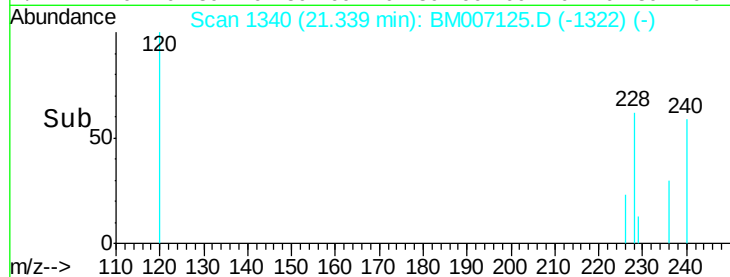
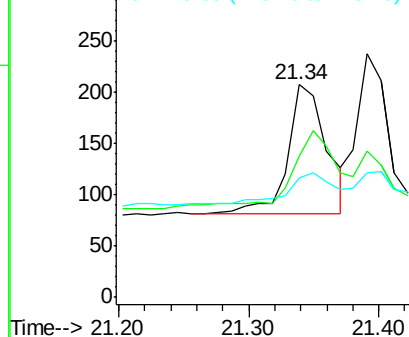
228 100

226 66.2 18.8 28.2#

229 56.0 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: BM007125.D

Acq: 15 Aug 2016 20:21

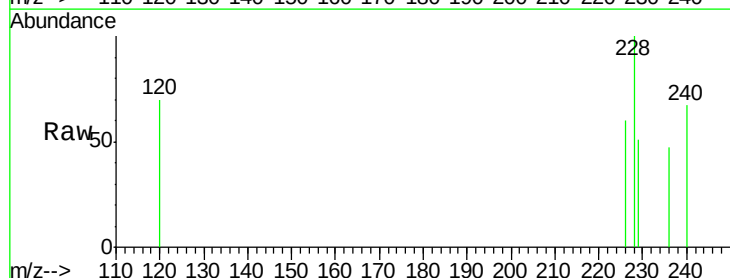
Tgt Ion:228 Resp: 266

Ion Ratio Lower Upper

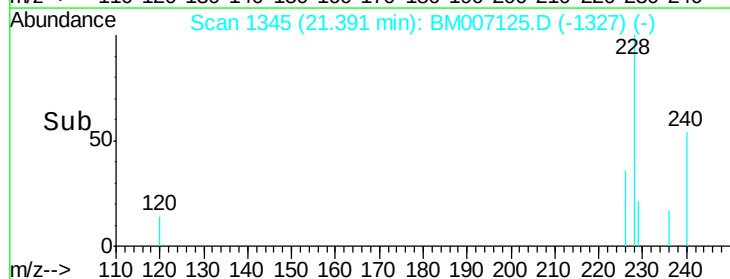
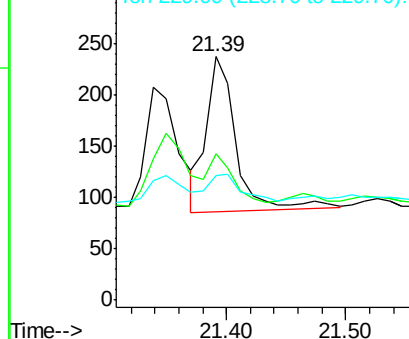
228 100

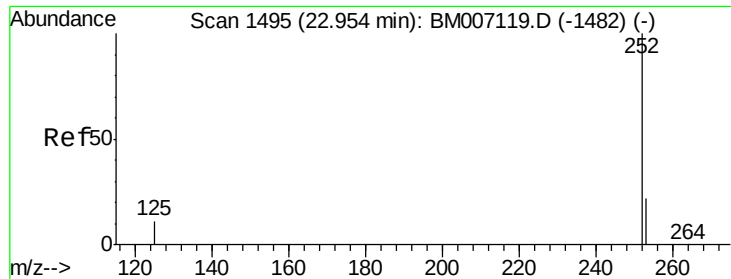
226 60.3 21.2 31.8#

229 51.5 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: 0.00 ng/ul

RT: 22.71 min Scan# 1472

Delta R.T. -0.24 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

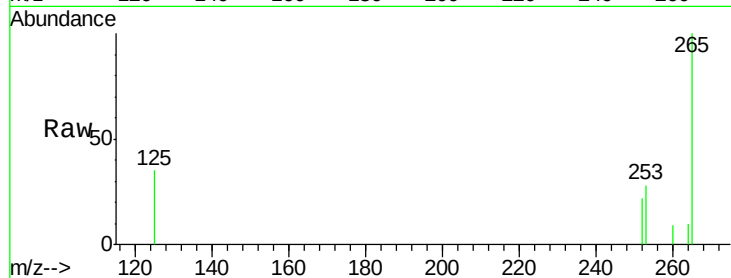
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

252 100

253 125.3 0.0 45.4#

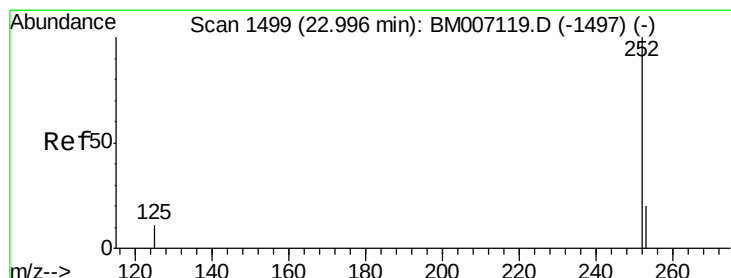
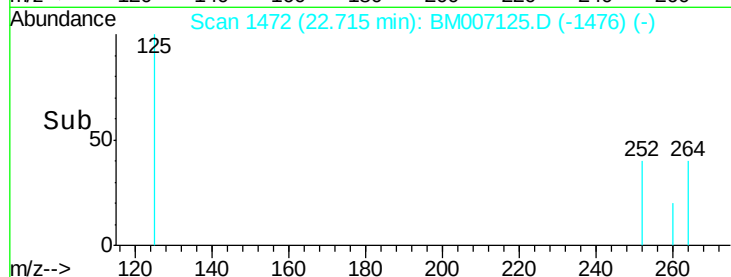
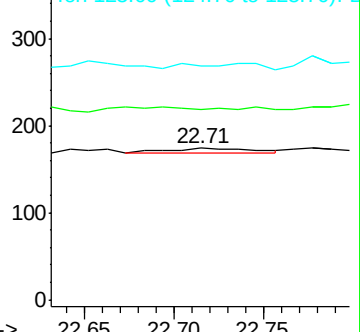
125 154.6 0.0 28.8#



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/ul

RT: 22.94 min Scan# 1494

Delta R.T. -0.05 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

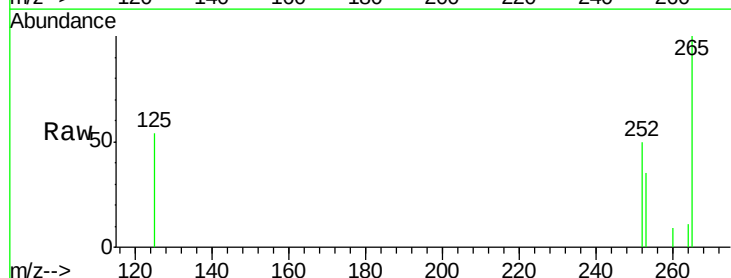
Tgt Ion:252 Resp: 718

Ion Ratio Lower Upper

252 100

253 69.6 19.8 29.8#

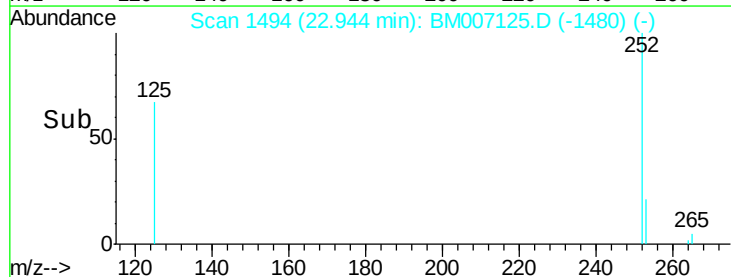
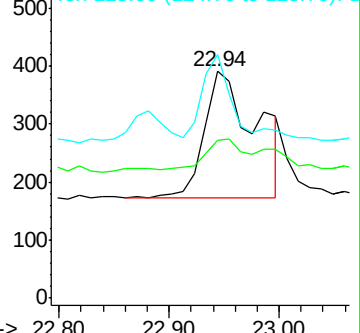
125 107.4 10.4 15.6#

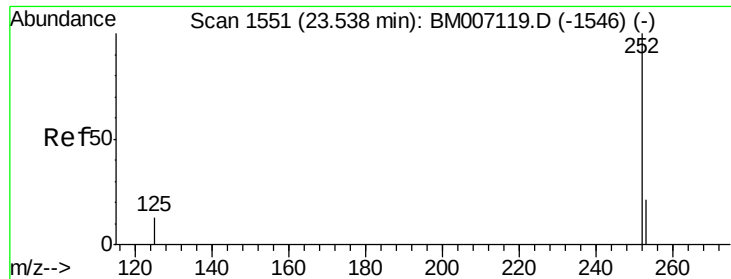


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.49 min Scan# 1546

Delta R.T. -0.05 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

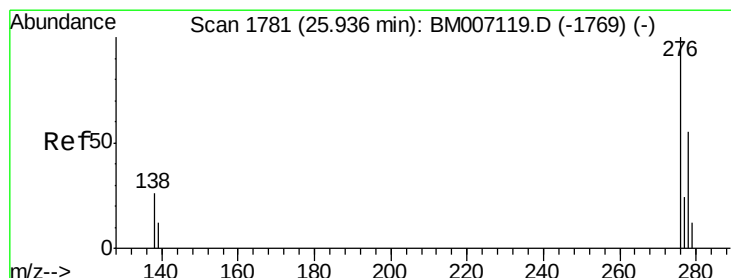
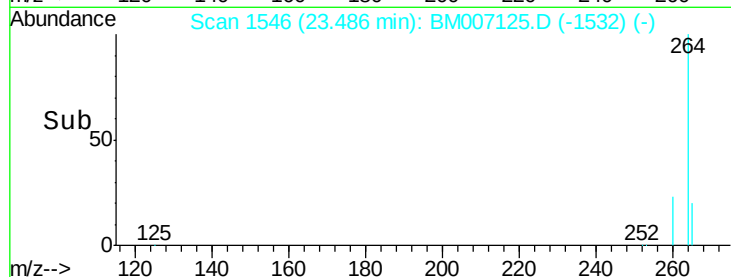
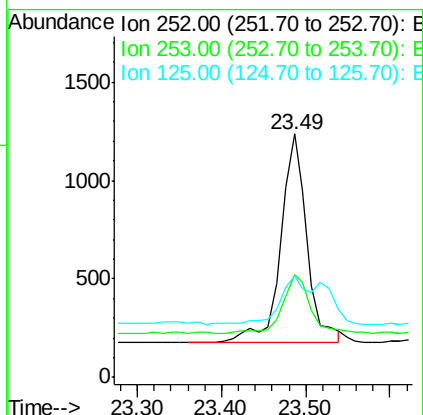
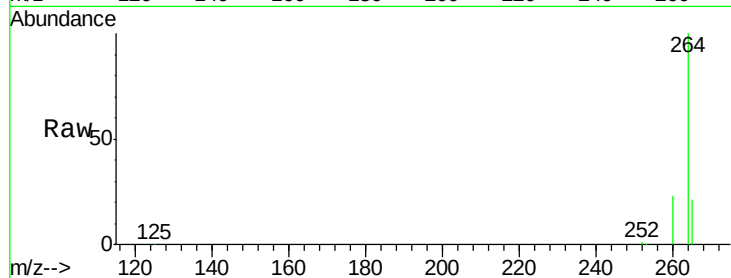
Instrument :

BNA_M

ClientSampleId :

A4V19

Tgt Ion:	252	Resp:	2347
Ion Ratio	Lower	Upper	
252	100		
253	42.4	19.4	29.2#
125	41.6	12.7	19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

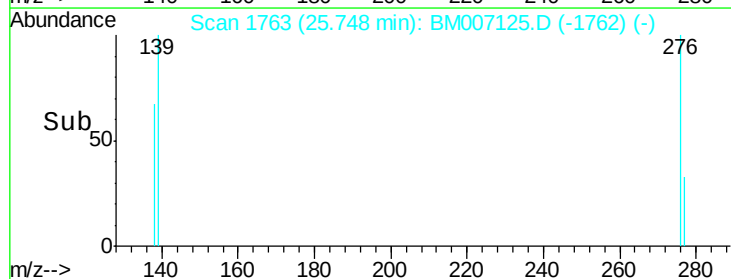
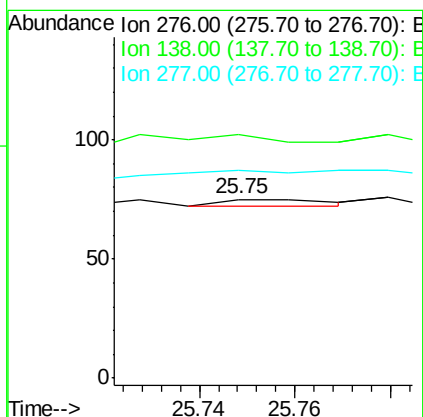
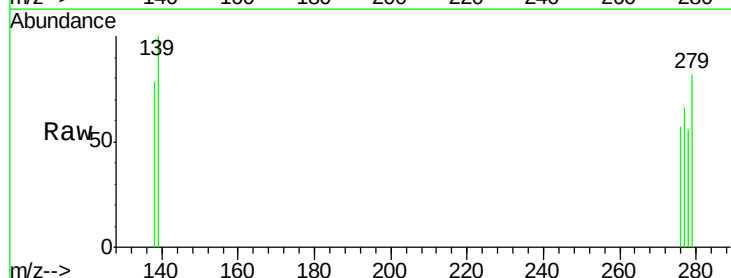
RT: 25.75 min Scan# 1763

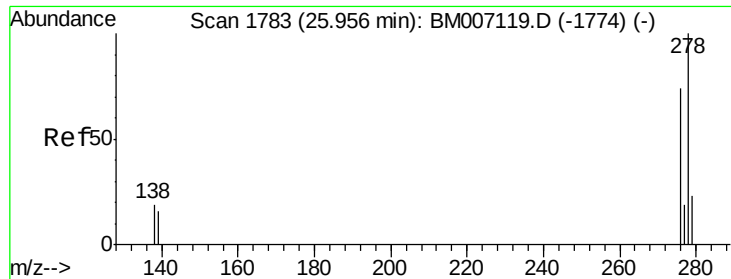
Delta R.T. -0.19 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Tgt Ion:	276	Resp:	5
Ion Ratio	Lower	Upper	
276	100		
138	0.0	16.3	24.5#
277	160.0	19.8	29.8#





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.63 min Scan# 1752

Delta R.T. -0.32 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Instrument :

BNA_M

ClientSampleId :

A4V19

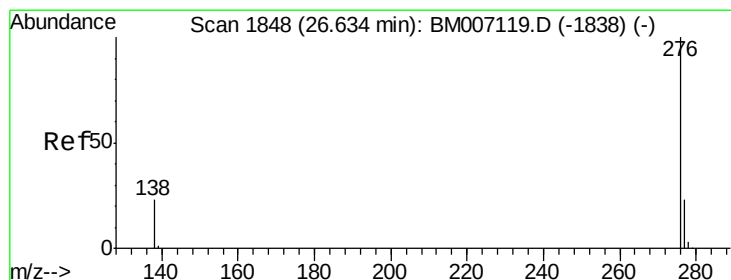
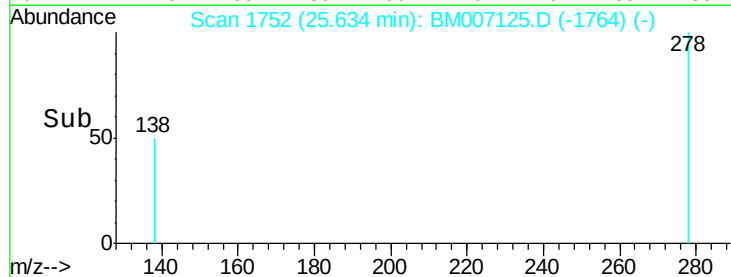
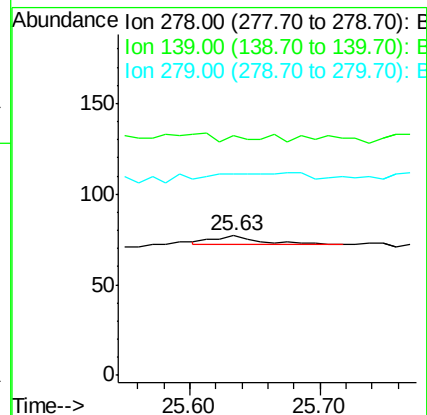
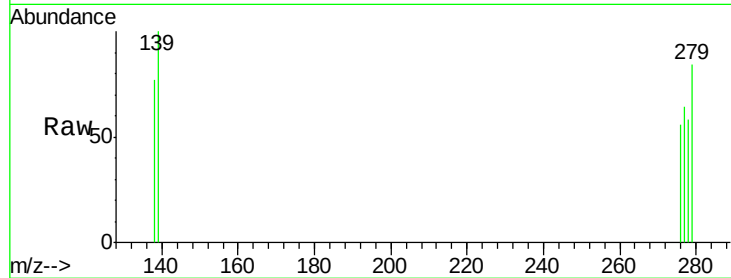
Tgt Ion: 278 Resp: 13

Ion Ratio Lower Upper

278 100

139 171.4 16.4 24.6#

279 144.2 20.2 30.2#



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.46 min Scan# 1831

Delta R.T. -0.18 min

Lab File: BM007125.D

Acq: 15 Aug 2016 20:21

Tgt Ion: 276 Resp: 6

Ion Ratio Lower Upper

276 100

277 111.8 18.9 28.3#

138 134.2 22.5 33.7#

