

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008658.D
 Acq On : 25 Dec 2016 06:38
 Operator : UM/SJ
 Sample : H6040-02DL 5X
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T7DL

Quant Time: Dec 26 01:00:51 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 00:55:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	379	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.44	136	1186	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.28	164	701	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.14	188	6350	0.40	ng/ul	0.07
16) Chrysene-d12	21.25	240	1329	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1454	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	44	0.02	ng/ul	-0.05
14) Fluoranthene-d10	19.19	212	132	0.01	ng/ul	0.10

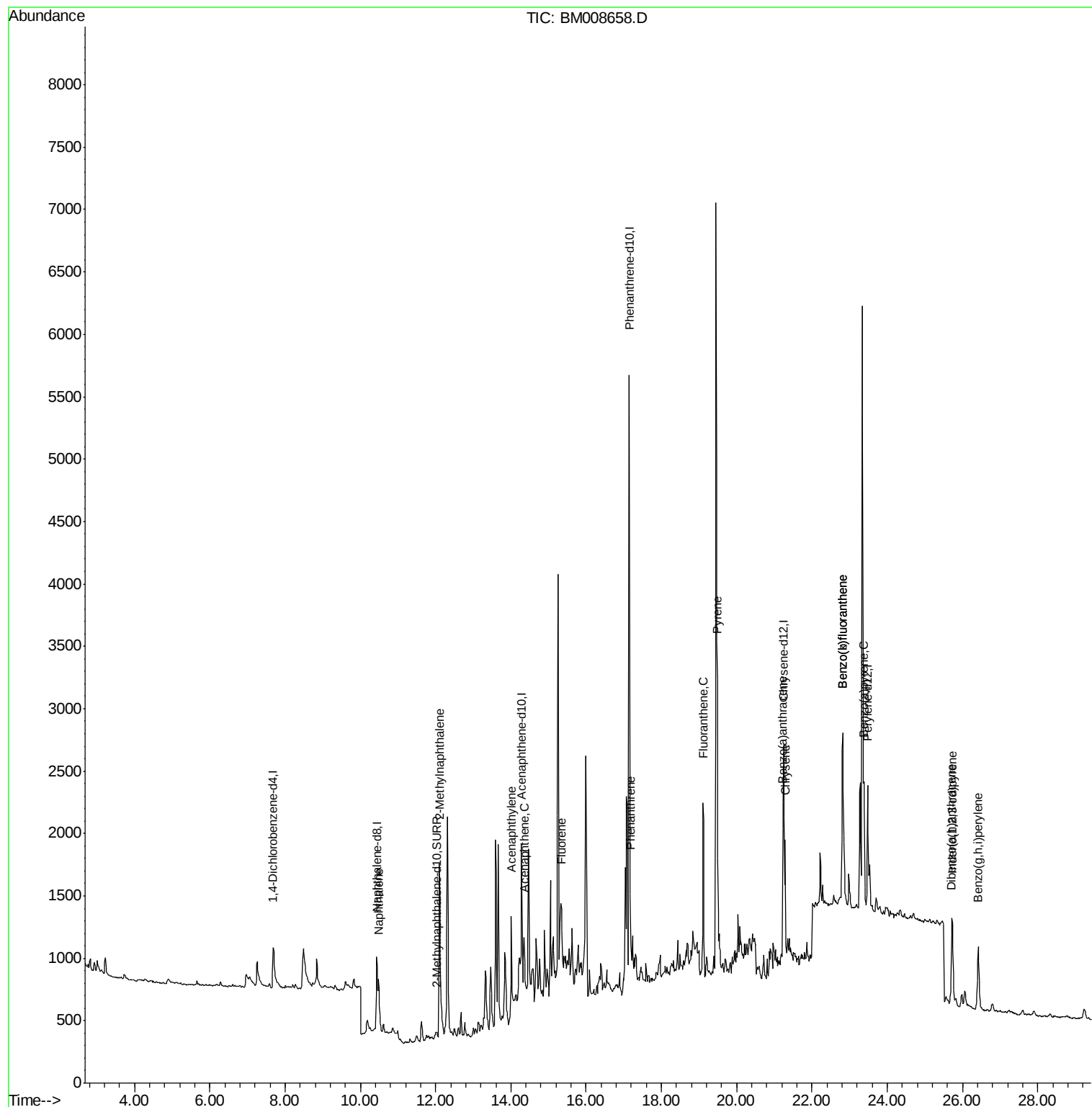
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	785	0.24	ng/ul#	74
5) 2-Methylnaphthalene	12.10	142	1333	0.59	ng/ul	99
7) Acenaphthylene	14.01	152	289	0.09	ng/ul#	38
8) Acenaphthene	14.35	153	252	0.11	ng/ul#	88
9) Fluorene	15.34	166	611	0.22	ng/ul#	63
12) Phenanthrene	17.18	178	742	0.04	ng/ul#	67
15) Fluoranthene	19.11	202	1552	0.07	ng/ul	80
17) Pyrene	19.48	202	2611	0.51	ng/ul#	90
18) Benzo(a)anthracene	21.23	228	945	0.22	ng/ul#	58
19) Chrysene	21.28	228	1107	0.23	ng/ul#	62
21) Benzo(b)fluoranthene	22.82	252	2951	0.52	ng/ul	88
22) Benzo(k)fluoranthene	22.82	252	2951	0.53	ng/ul#	85
23) Benzo(a)pyrene	23.38	252	1297	0.24	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.72	276	1278	0.20	ng/ul	94
25) Dibenzo(a,h)anthracene	25.71	278	312	0.06	ng/ul#	1
26) Benzo(g,h,i)perylene	26.41	276	1145	0.21	ng/ul#	79

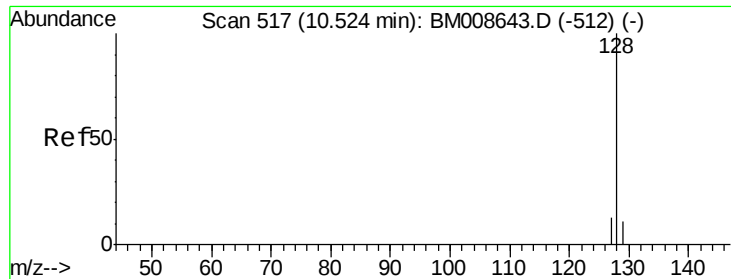
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.24 ng/ul

RT: 10.49 min Scan# 514

Delta R.T. -0.04 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

BNA_M

ClientSampleId :

DA8T7DL

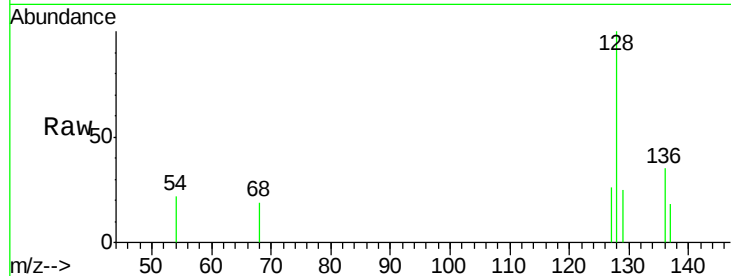
Tgt Ion:128 Resp: 785

Ion Ratio Lower Upper

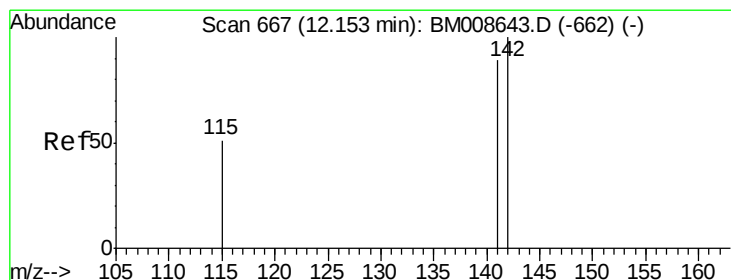
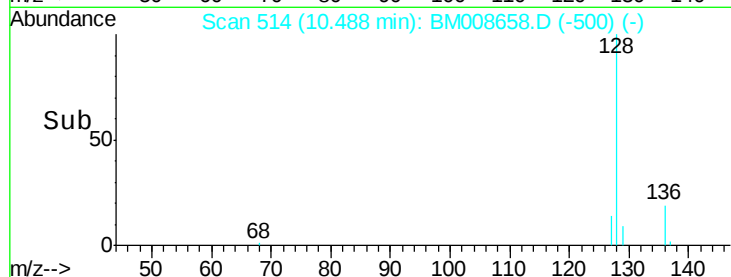
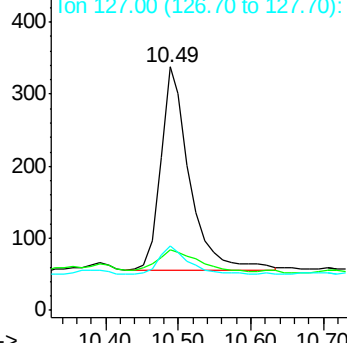
128 100

129 25.1 11.3 16.9#

127 26.3 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E



#5

2-Methylnaphthalene

Concen: 0.59 ng/ul

RT: 12.10 min Scan# 662

Delta R.T. -0.05 min

Lab File: BM008658.D

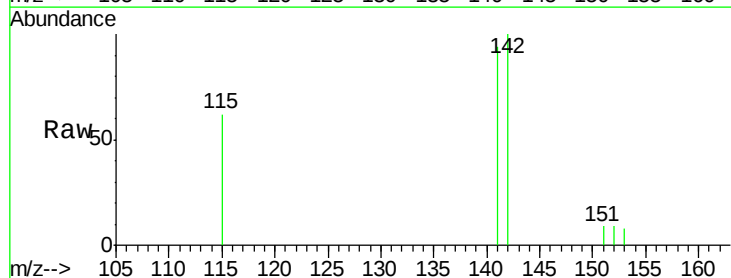
Acq: 25 Dec 2016 06:38

Tgt Ion:142 Resp: 1333

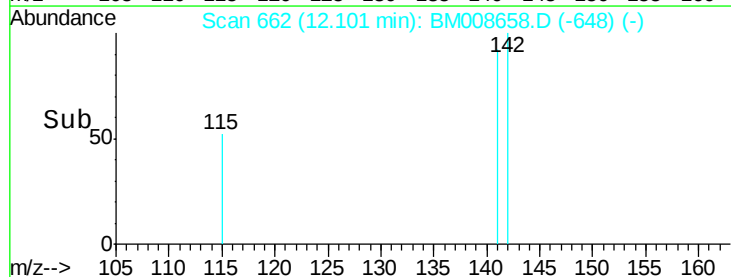
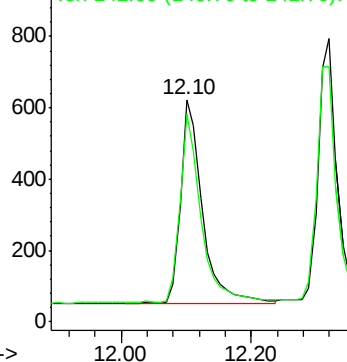
Ion Ratio Lower Upper

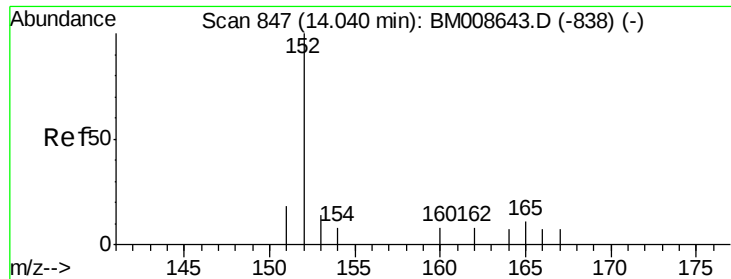
142 100

141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

BNA_M

ClientSampleId :

DA8T7DL

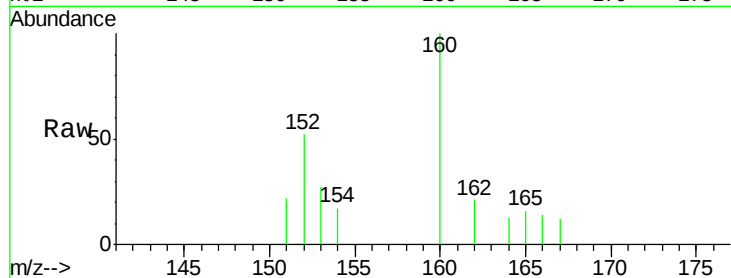
Tgt Ion:152 Resp: 289

Ion Ratio Lower Upper

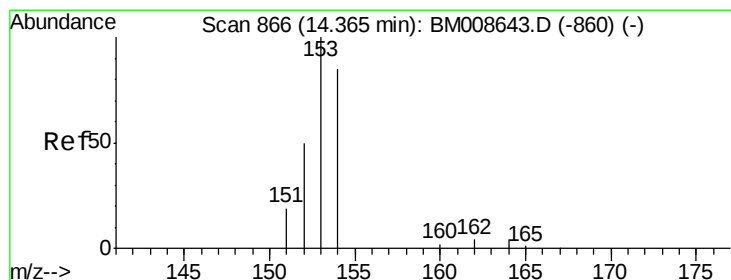
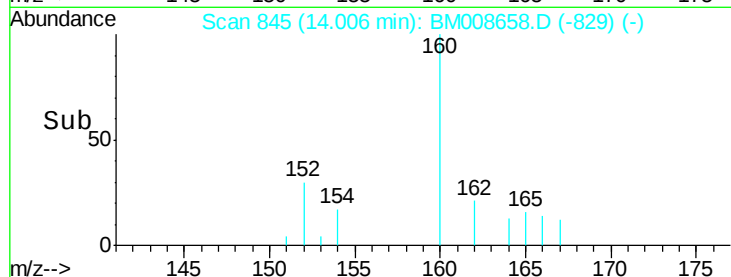
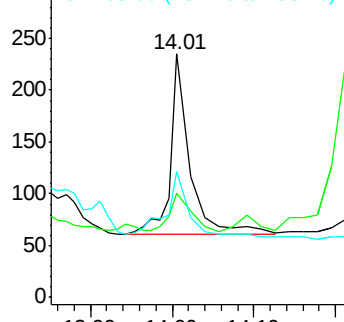
152 100

151 43.0 17.1 25.7#

153 51.9 12.8 19.2#



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: 0.11 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

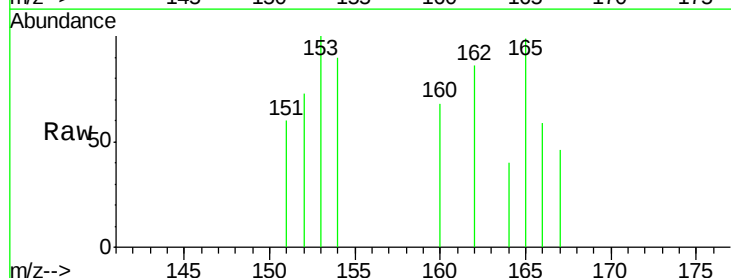
Tgt Ion:153 Resp: 252

Ion Ratio Lower Upper

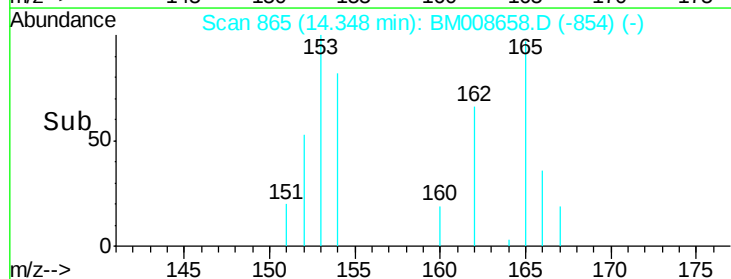
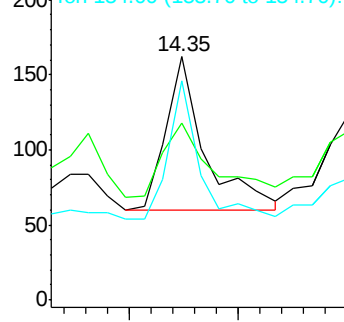
153 100

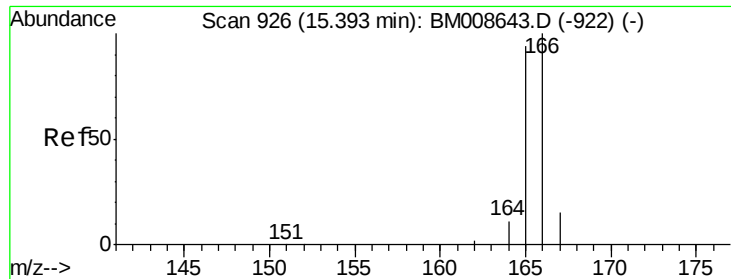
152 72.8 40.3 60.5#

154 90.1 71.4 107.2



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: 0.22 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.05 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

BNA_M

ClientSampleId :

DA8T7DL

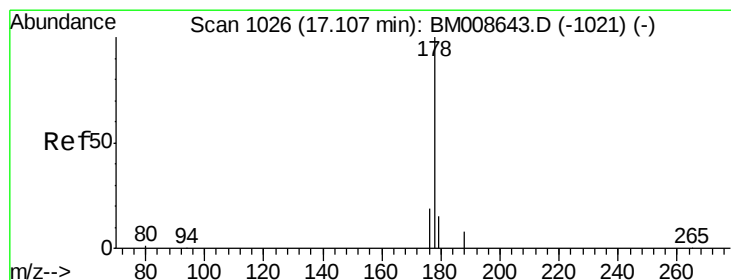
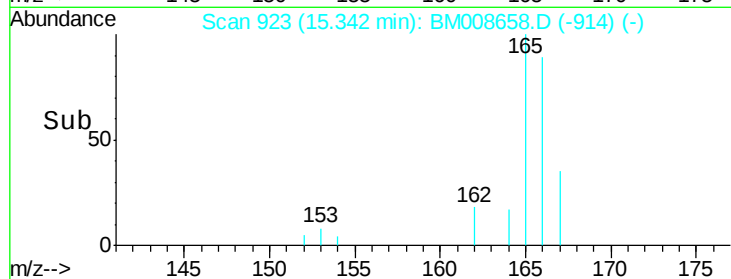
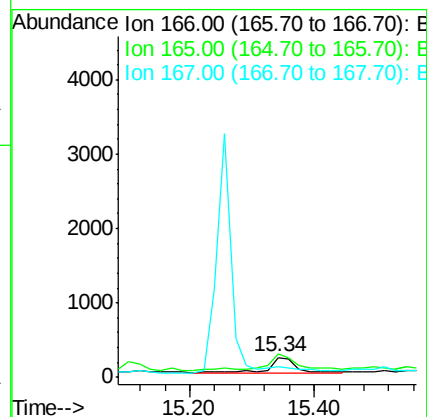
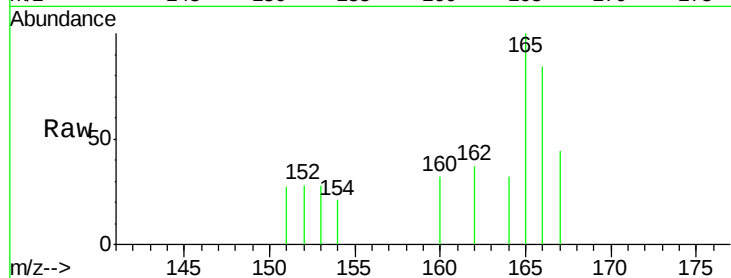
Tgt Ion:166 Resp: 611

Ion Ratio Lower Upper

166 100

165 119.3 73.4 110.2#

167 52.0 14.6 22.0#



#12

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.07 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

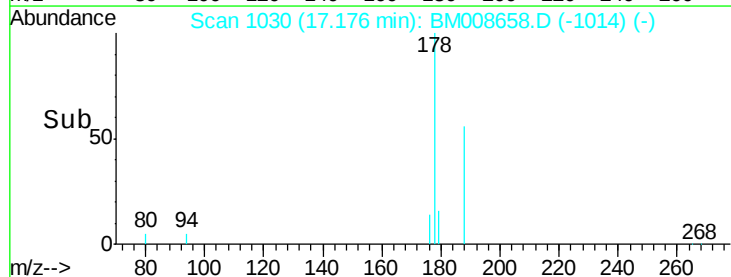
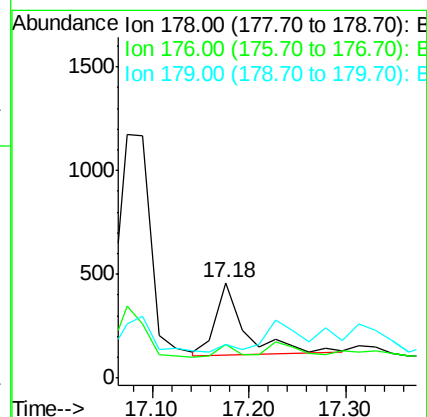
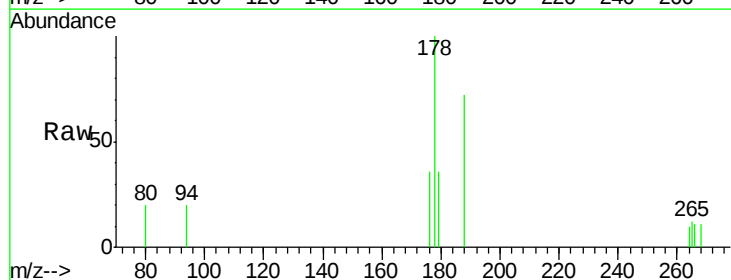
Tgt Ion:178 Resp: 742

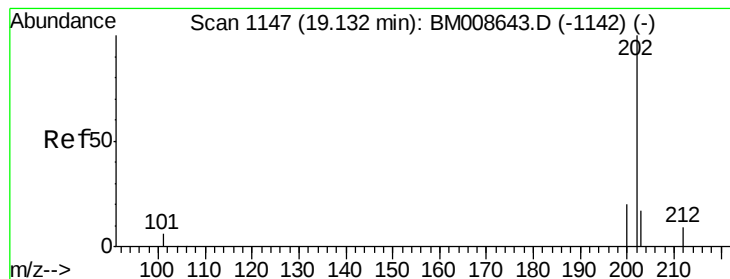
Ion Ratio Lower Upper

178 100

176 35.5 18.4 27.6#

179 35.5 13.6 20.4#





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

BNA_M

ClientSampleId :

DA8T7DL

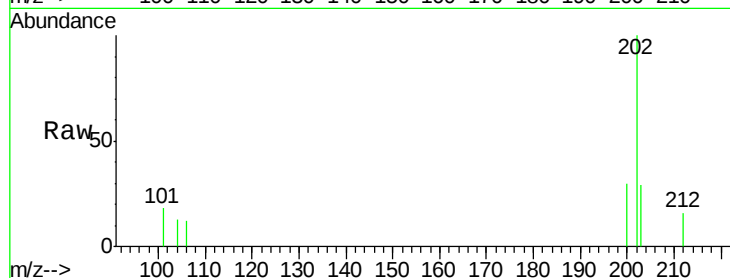
Tgt Ion:202 Resp: 1552

Ion Ratio Lower Upper

202 100

101 17.9 0.0 30.3

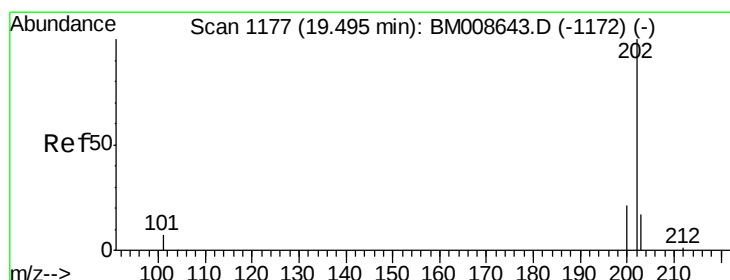
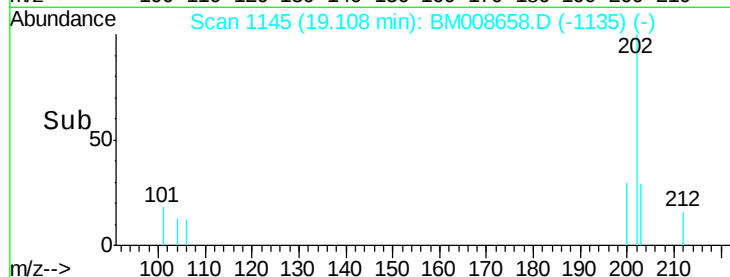
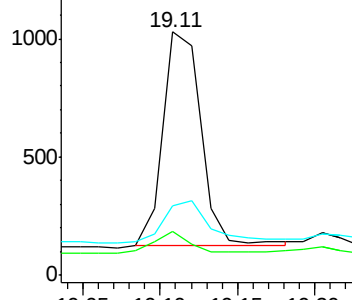
203 28.7 0.0 39.5



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: 0.51 ng/ul

RT: 19.48 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

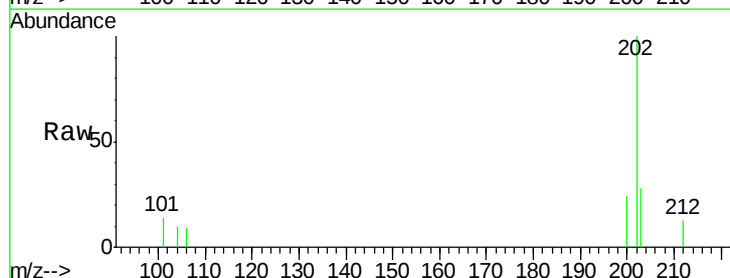
Tgt Ion:202 Resp: 2611

Ion Ratio Lower Upper

202 100

200 24.1 18.2 27.4

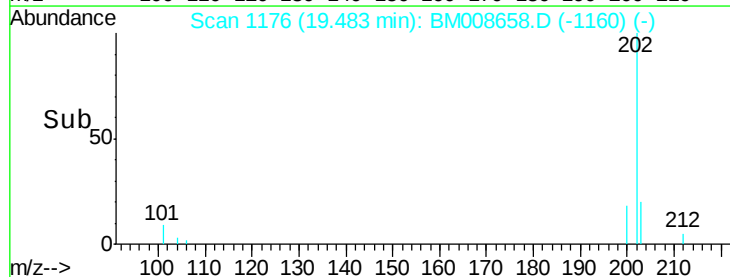
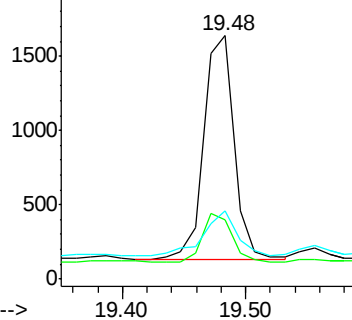
203 27.8 15.6 23.4#

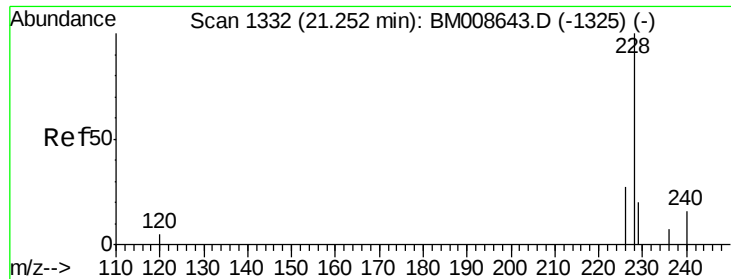


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.22 ng/ul

RT: 21.23 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

BNA_M

ClientSampleId :

DA8T7DL

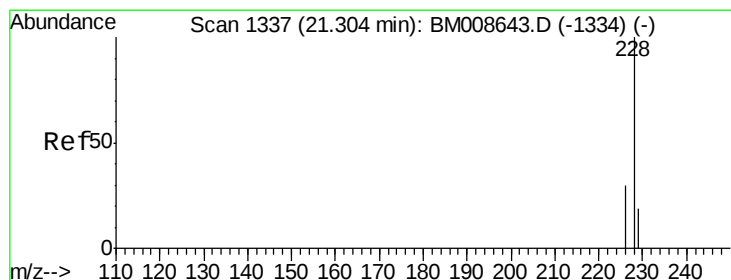
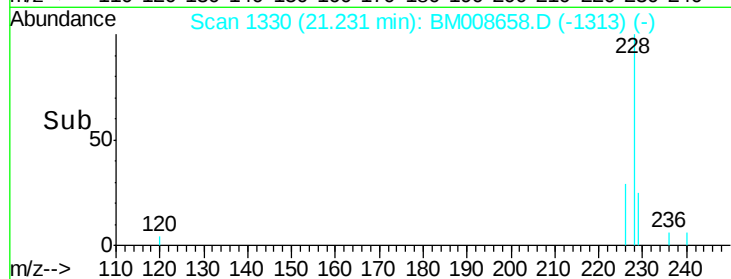
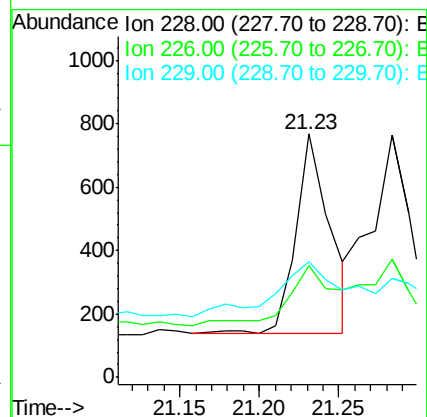
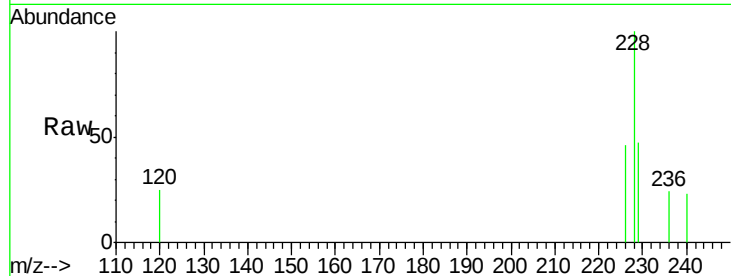
Tgt Ion:228 Resp: 945

Ion Ratio Lower Upper

228 100

226 46.0 22.8 34.2#

229 47.3 17.0 25.6#



#19

Chrysene

Concen: 0.23 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

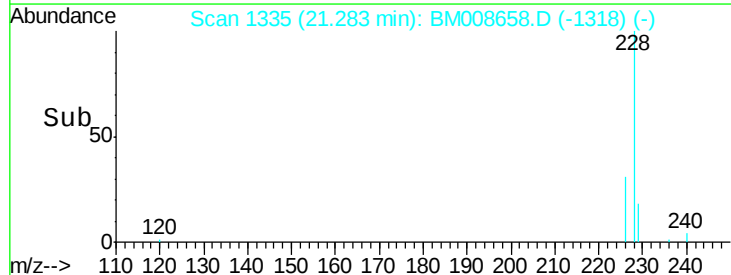
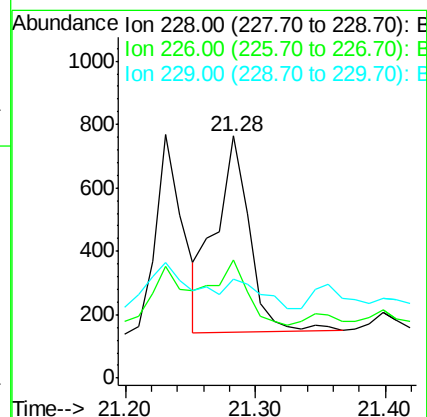
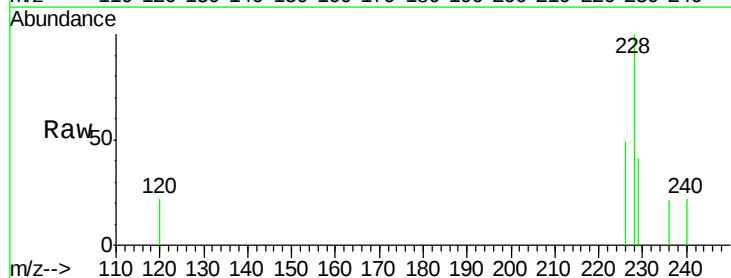
Tgt Ion:228 Resp: 1107

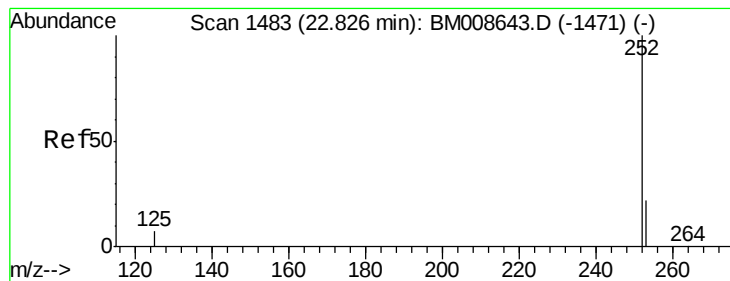
Ion Ratio Lower Upper

228 100

226 48.6 23.4 35.0#

229 41.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.52 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

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ClientSampleId :

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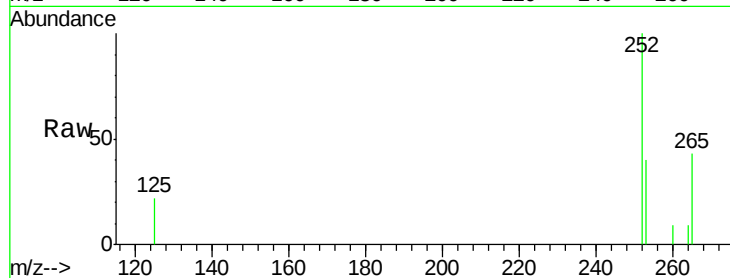
Tgt Ion:252 Resp: 2951

Ion Ratio Lower Upper

252 100

253 39.7 0.0 64.2

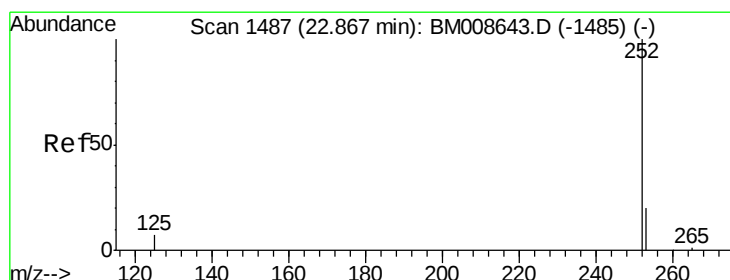
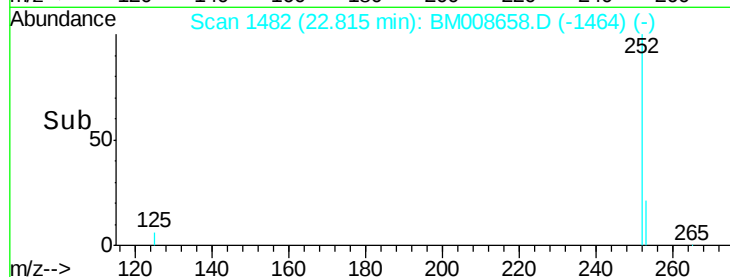
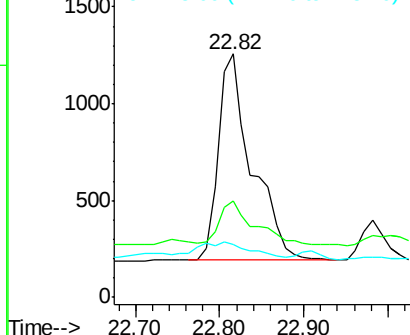
125 21.8 0.0 35.0



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: 0.53 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.05 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

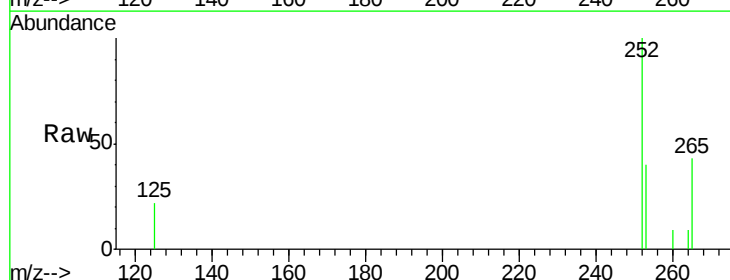
Tgt Ion:252 Resp: 2951

Ion Ratio Lower Upper

252 100

253 39.7 24.5 36.7#

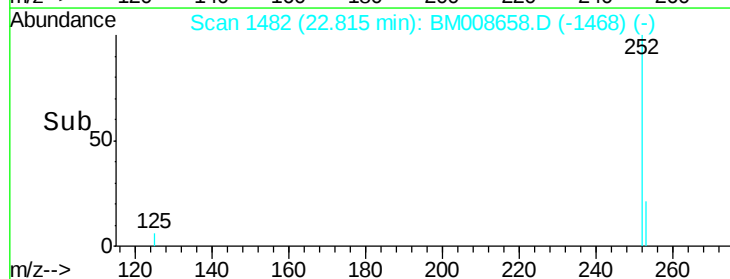
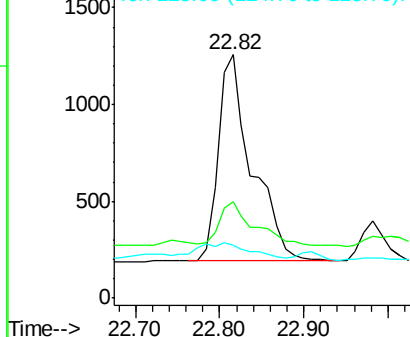
125 21.8 13.7 20.5#

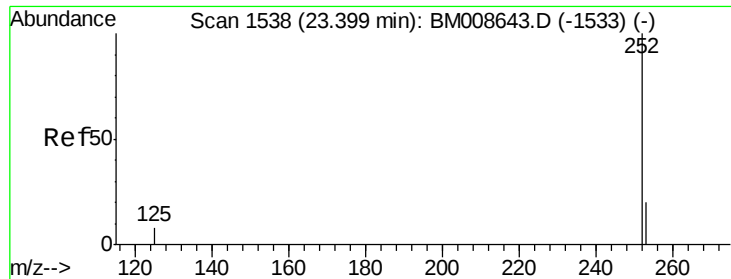


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.24 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

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DA8T7DL

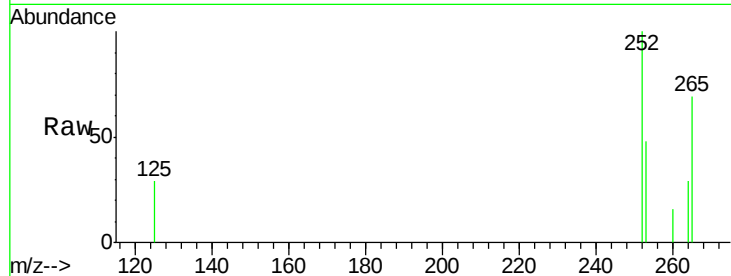
Tgt Ion: 252 Resp: 1297

Ion Ratio Lower Upper

252 100

253 48.1 28.5 42.7#

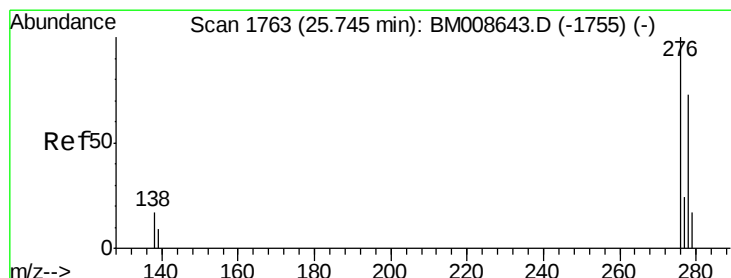
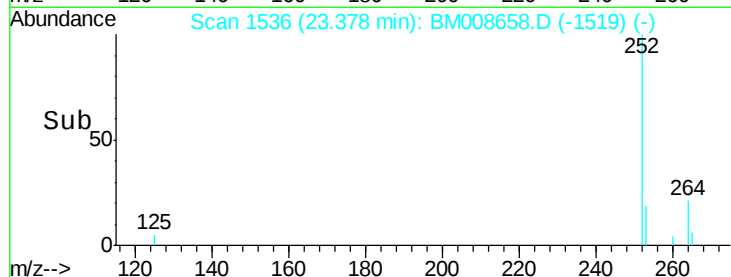
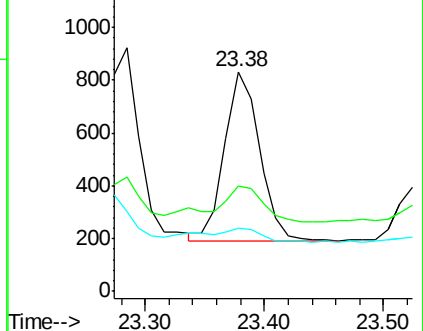
125 28.8 18.1 27.1#



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: 0.20 ng/ul

RT: 25.72 min Scan# 1761

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

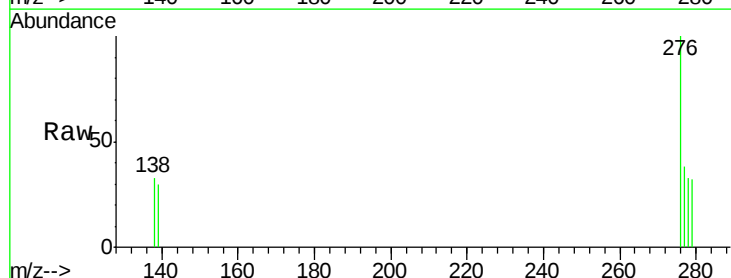
Tgt Ion: 276 Resp: 1278

Ion Ratio Lower Upper

276 100

138 19.8 19.1 28.7

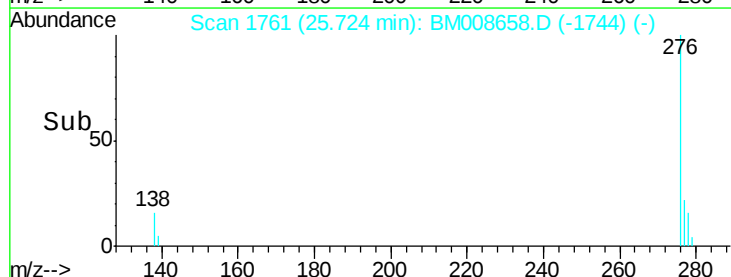
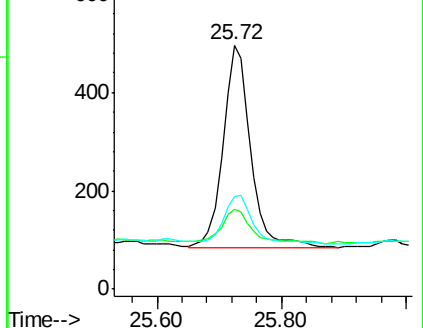
277 26.6 19.6 29.4

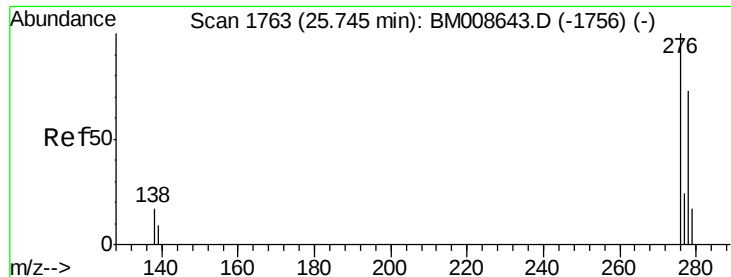


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 25.71 min Scan# 1760

Delta R.T. -0.03 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

Instrument :

BNA_M

ClientSampleId :

DA8T7DL

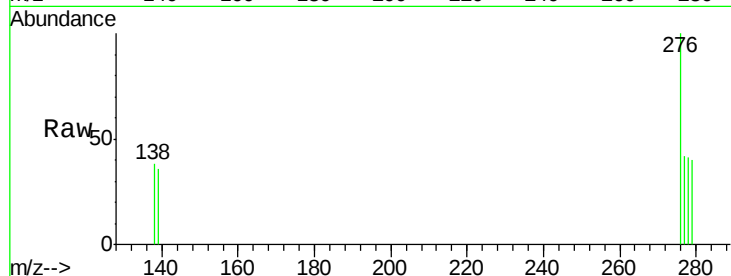
Tgt Ion:278 Resp: 312

Ion Ratio Lower Upper

278 100

139 87.3 17.4 26.0#

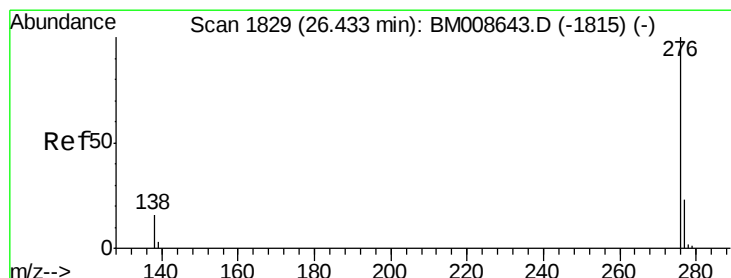
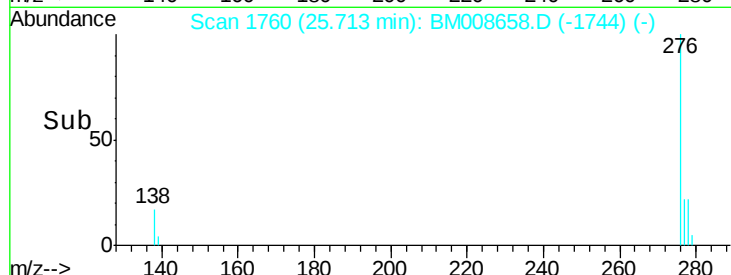
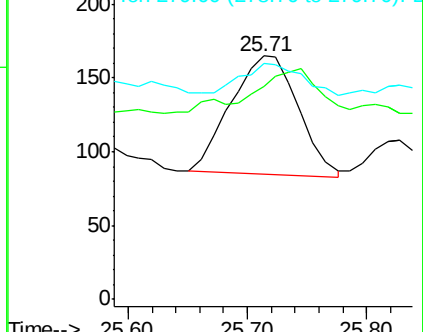
279 97.0 25.9 38.9#



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: 0.21 ng/ul

RT: 26.41 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BM008658.D

Acq: 25 Dec 2016 06:38

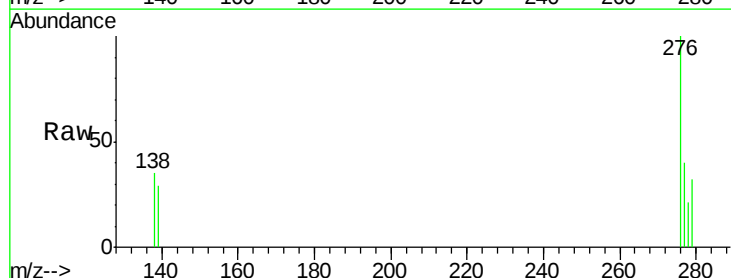
Tgt Ion:276 Resp: 1145

Ion Ratio Lower Upper

276 100

277 40.0 21.8 32.8#

138 34.6 20.5 30.7#



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

