

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008564.D
 Acq On : 22 Dec 2016 20:14
 Operator : UM/SJ
 Sample : H5938-07DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA827DL

Quant Time: Dec 23 04:16:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 04:12:47 2016
 Response via : Initial Calibration

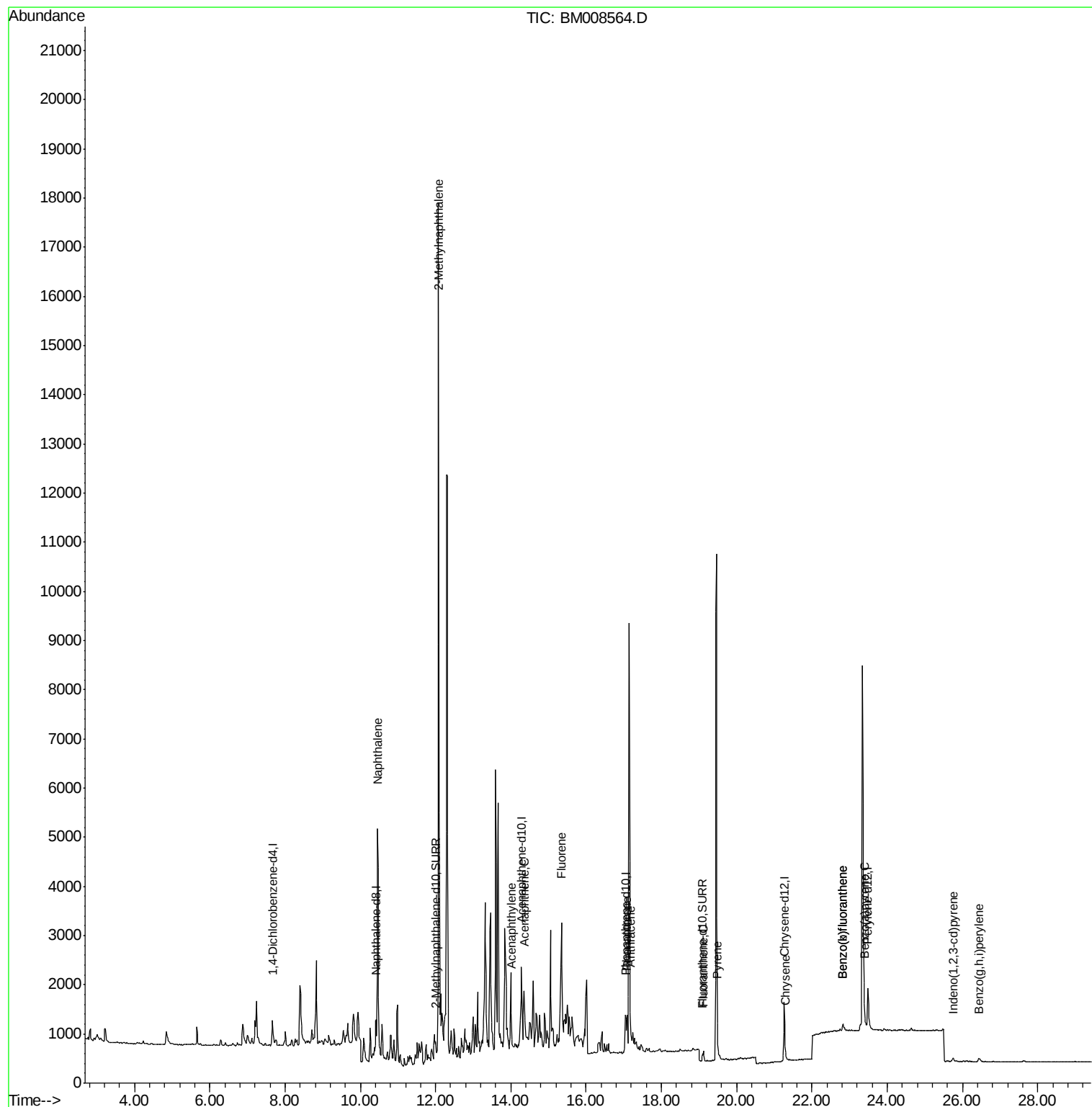
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	400	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.43	136	1346	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.28	164	802	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.06	188	1438	0.40	ng/ul	-0.02
16) Chrysene-d12	21.26	240	1380	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	1424	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	95	0.05	ng/ul	-0.05
14) Fluoranthene-d10	19.10	212	327	0.08	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.46	128	7442	1.97	ng/ul	97
5) 2-Methylnaphthalene	12.08	142	12690	4.98	ng/ul	100
7) Acenaphthylene	14.01	152	317	0.09	ng/ul#	1
8) Acenaphthene	14.35	153	968	0.35	ng/ul	96
9) Fluorene	15.34	166	2116	0.68	ng/ul#	75
12) Phenanthrene	17.09	178	1138	0.26	ng/ul#	84
13) Anthracene	17.18	178	135	0.03	ng/ul#	32
15) Fluoranthene	19.12	202	333	0.06	ng/ul#	38
17) Pyrene	19.48	202	277	0.05	ng/ul#	47
19) Chrysene	21.29	228	183	0.04	ng/ul#	24
21) Benzo(b)fluoranthene	22.82	252	384	0.07	ng/ul#	2
22) Benzo(k)fluoranthene	22.82	252	384	0.07	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	106	0.02	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.74	276	134	0.02	ng/ul#	88
26) Benzo(g,h,i)perylene	26.43	276	159	0.03	ng/ul#	6

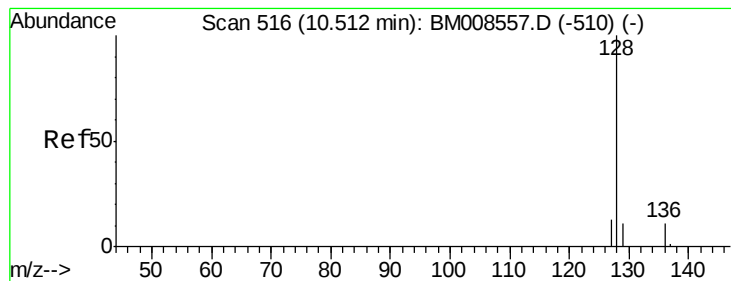
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.97 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.05 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL

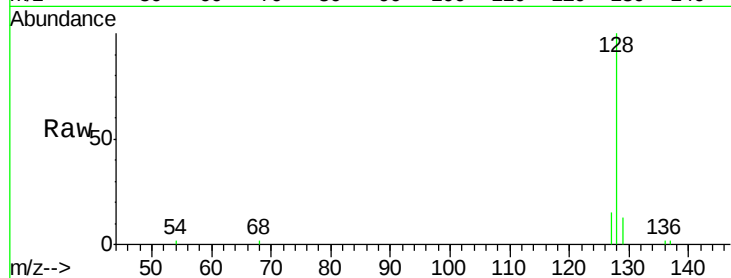
Tgt Ion:128 Resp: 7442

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

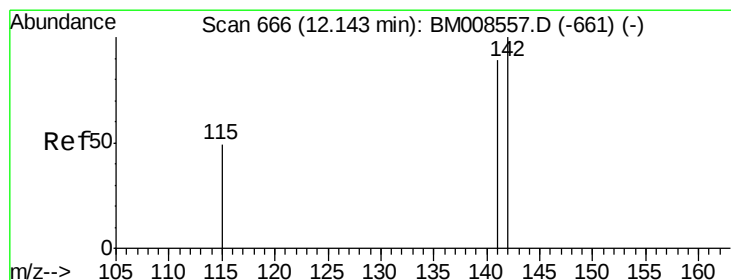
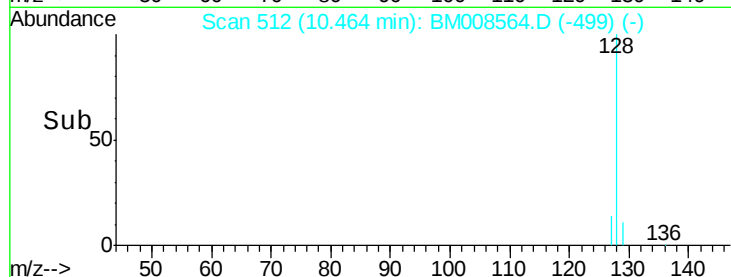
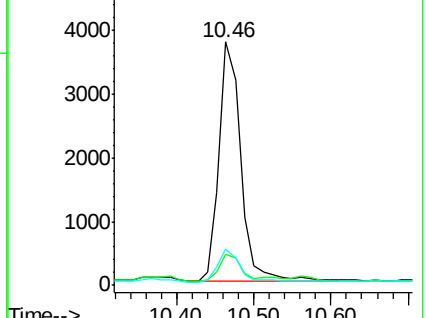
127 15.1 12.8 19.2



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: 4.98 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.06 min

Lab File: BM008564.D

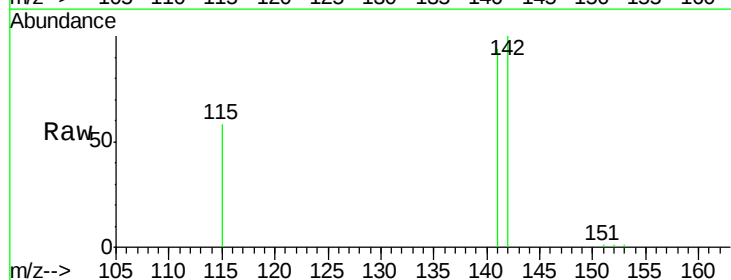
Acq: 22 Dec 2016 20:14

Tgt Ion:142 Resp: 12690

Ion Ratio Lower Upper

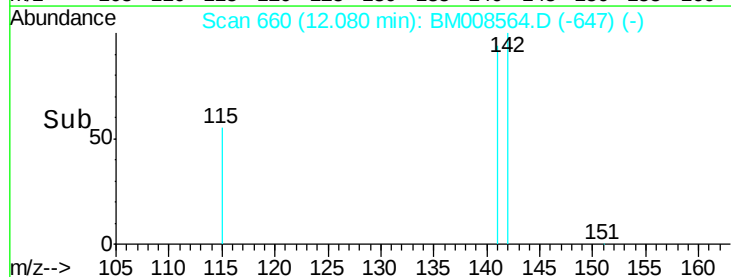
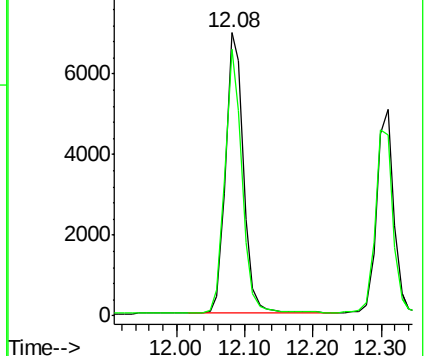
142 100

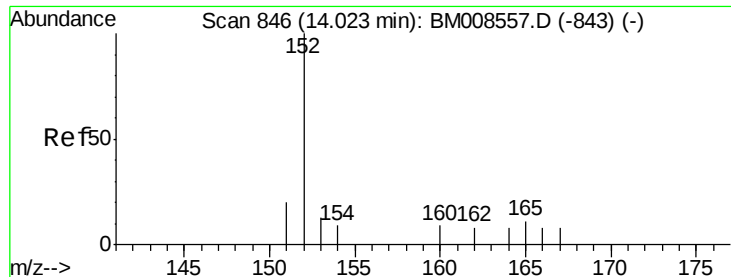
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

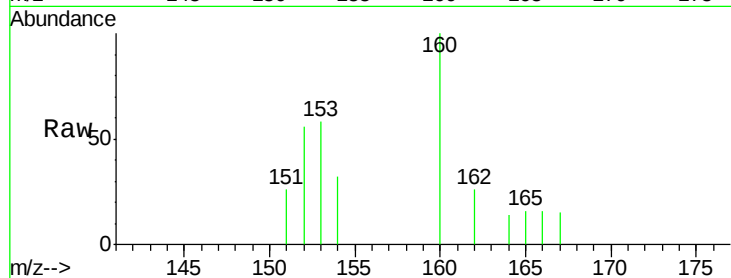
Instrument :

BNA_M

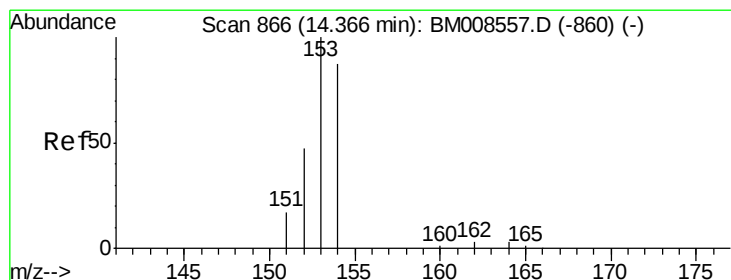
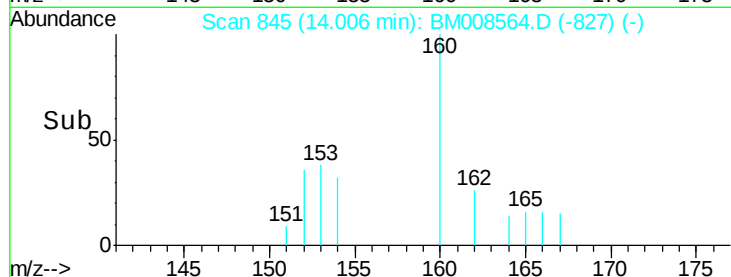
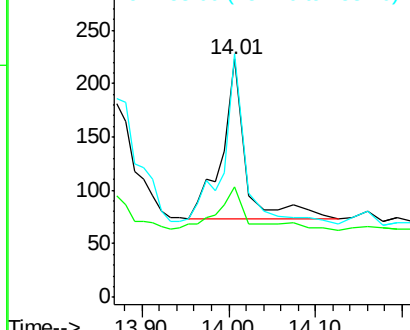
ClientSampleId :

DA827DL

Tgt Ion:	152	Resp:	317
Ion	Ratio	Lower	Upper
152	100		
151	46.2	17.1	25.7#
153	102.2	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: 0.35 ng/ul

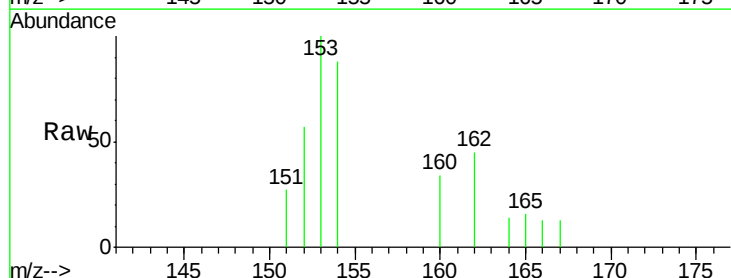
RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

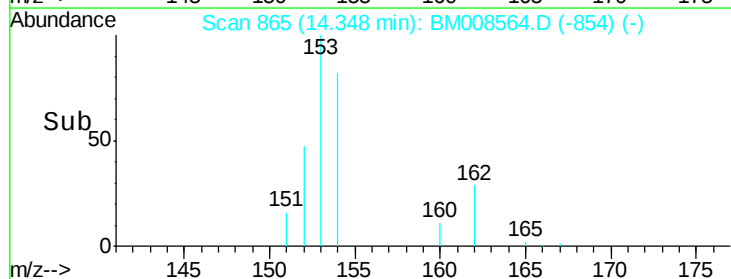
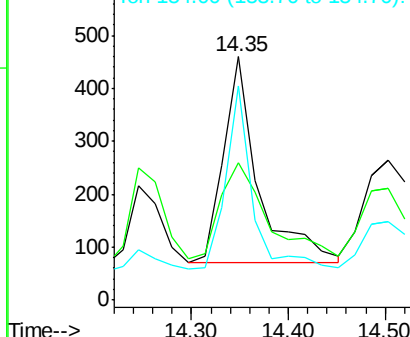
Lab File: BM008564.D

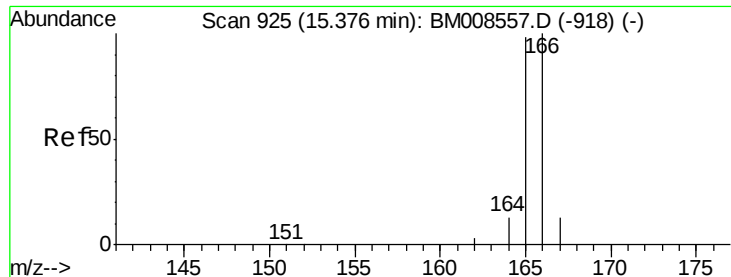
Acq: 22 Dec 2016 20:14

Tgt Ion:	153	Resp:	968
Ion	Ratio	Lower	Upper
153	100		
152	56.5	40.3	60.5
154	87.8	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: 0.68 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.03 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL

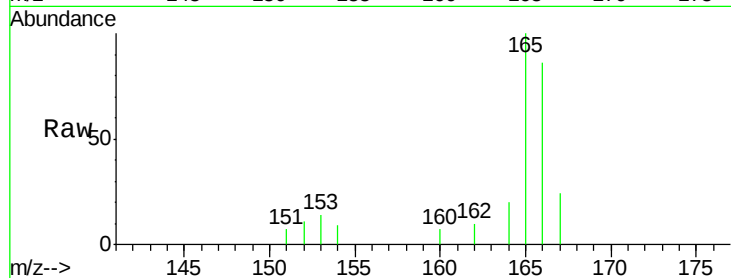
Tgt Ion:166 Resp: 2116

Ion Ratio Lower Upper

166 100

165 116.5 73.4 110.2#

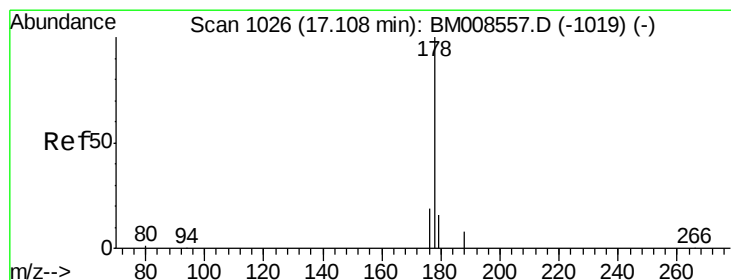
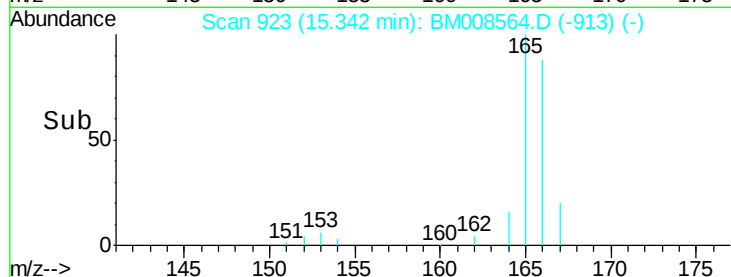
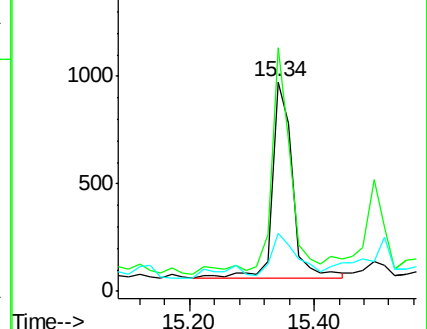
167 27.5 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.26 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

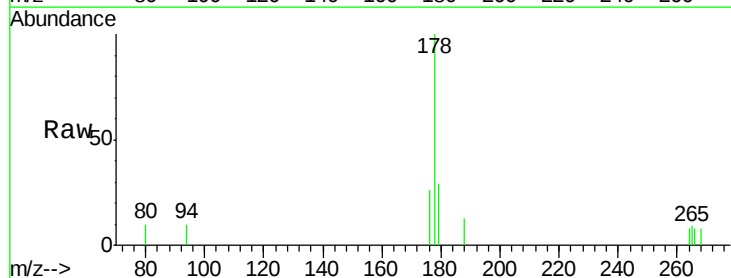
Tgt Ion:178 Resp: 1138

Ion Ratio Lower Upper

178 100

176 26.1 18.4 27.6

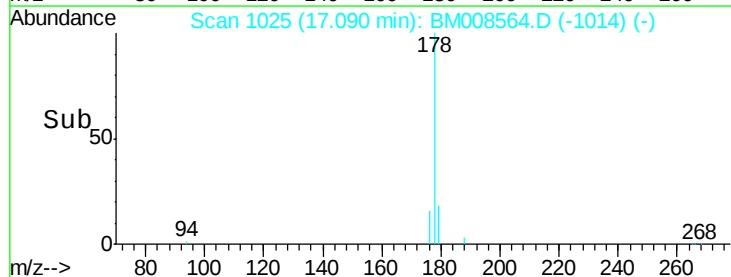
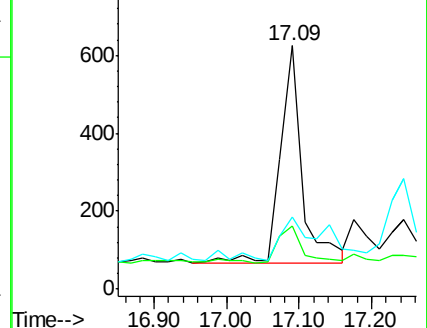
179 29.4 13.6 20.4#

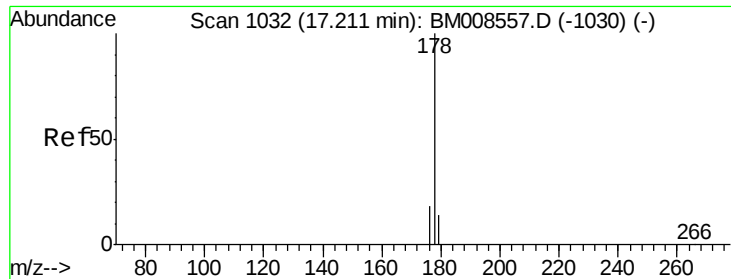


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.03 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL

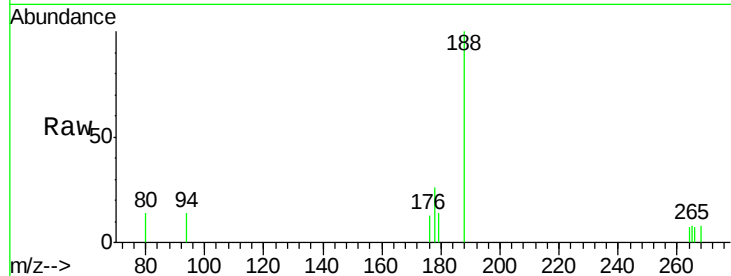
Tgt Ion:178 Resp: 135

Ion Ratio Lower Upper

178 100

176 49.2 18.1 27.1#

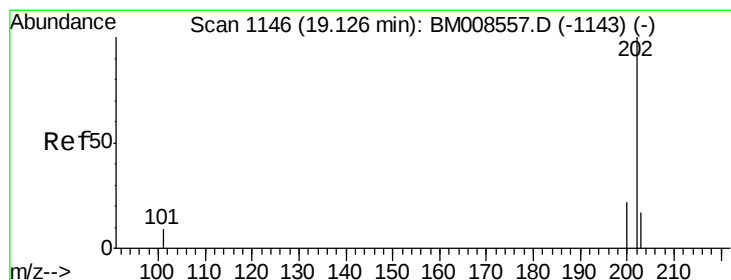
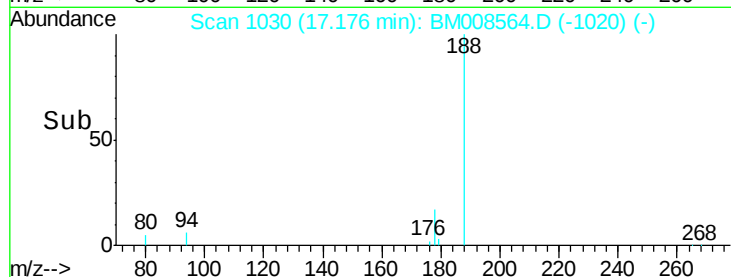
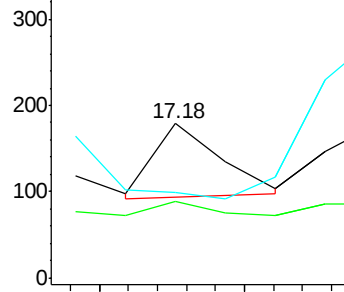
179 55.3 14.7 22.1#



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: 0.06 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

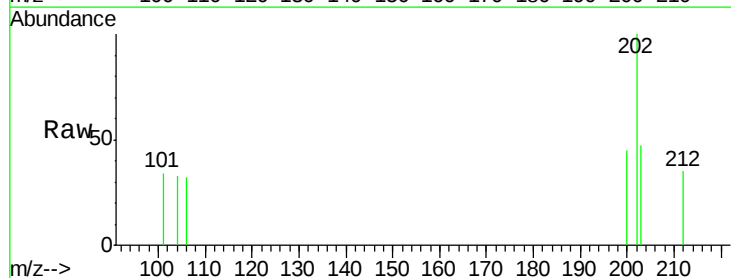
Tgt Ion:202 Resp: 333

Ion Ratio Lower Upper

202 100

101 34.2 0.0 30.3#

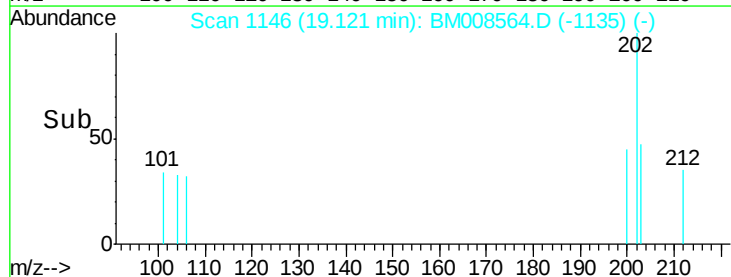
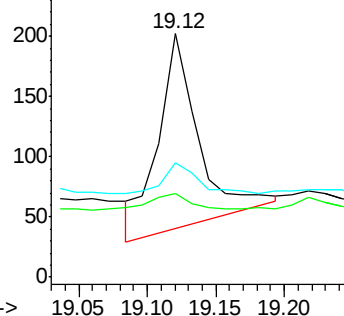
203 47.0 0.0 39.5#

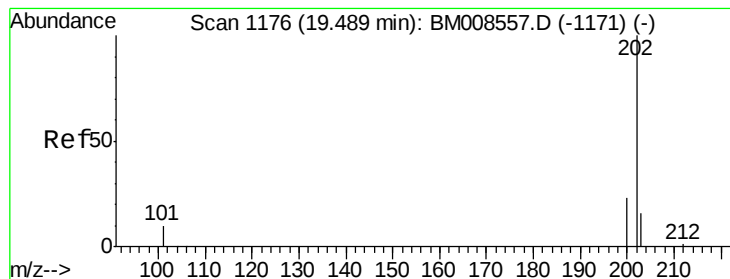


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.05 ng/ul

RT: 19.48 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL

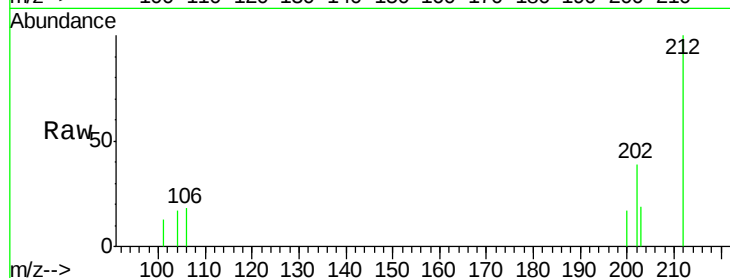
Tgt Ion:202 Resp: 277

Ion Ratio Lower Upper

202 100

200 42.9 18.2 27.4#

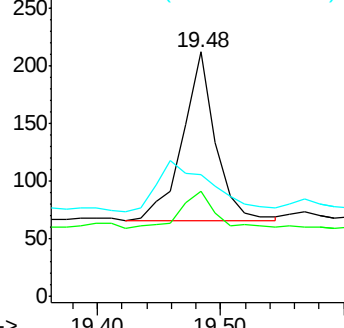
203 49.5 15.6 23.4#



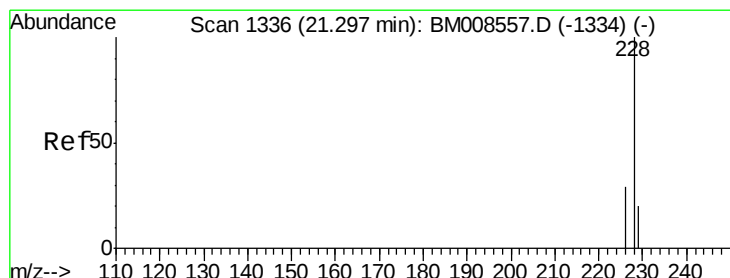
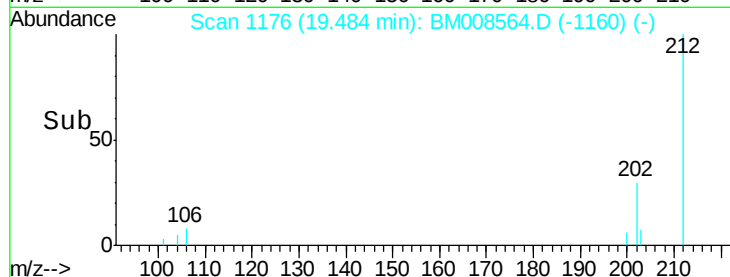
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#19

Chrysene

Concen: 0.04 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

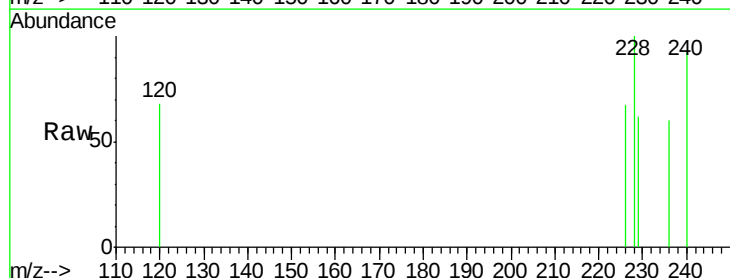
Tgt Ion:228 Resp: 183

Ion Ratio Lower Upper

228 100

226 67.1 23.4 35.0#

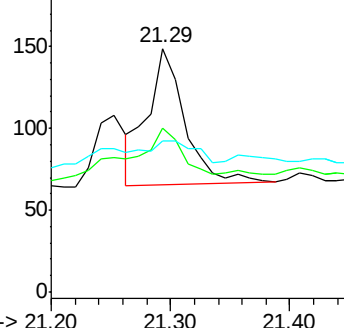
229 61.7 17.7 26.5#



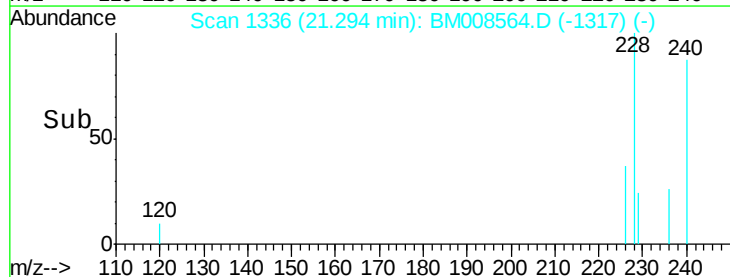
Abundance Ion 228.00 (227.70 to 228.70): E

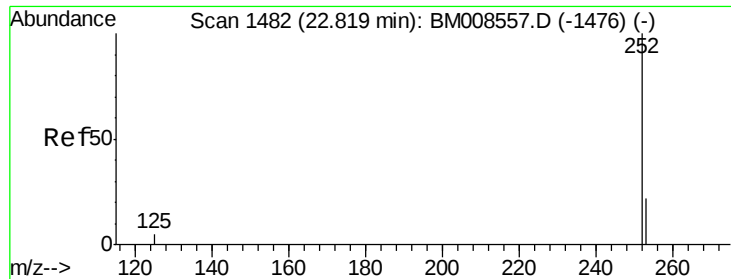
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL

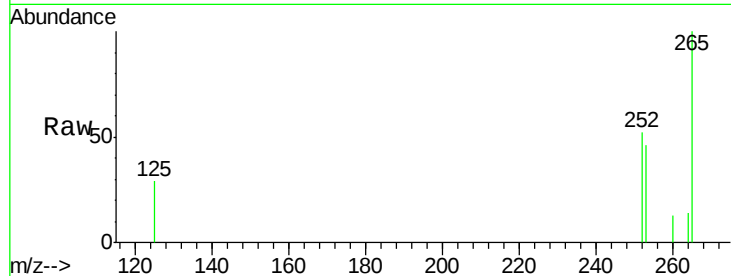
Tgt Ion:252 Resp: 384

Ion Ratio Lower Upper

252 100

253 89.4 0.0 64.2#

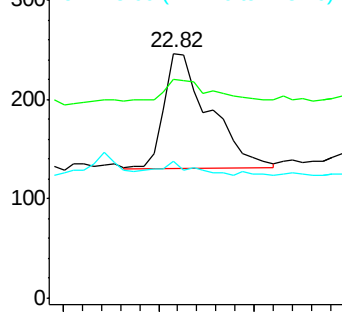
125 56.1 0.0 35.0#



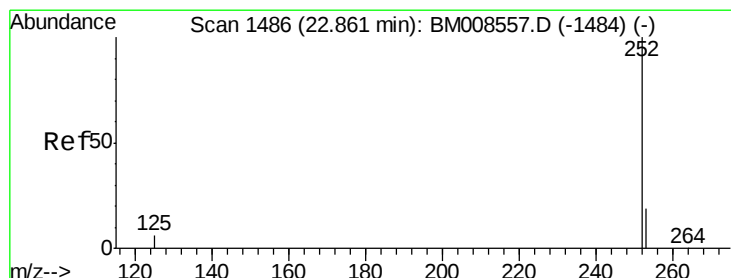
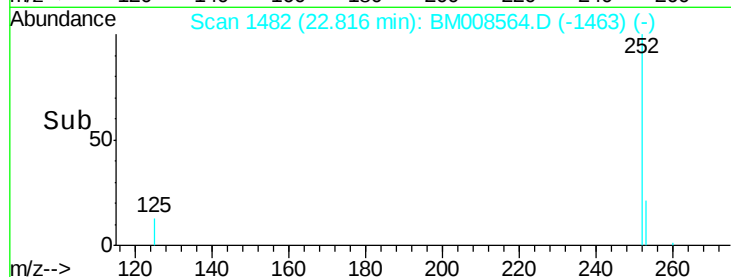
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.80 22.90



#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.05 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

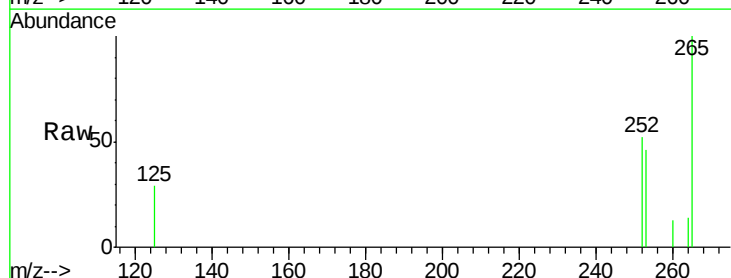
Tgt Ion:252 Resp: 384

Ion Ratio Lower Upper

252 100

253 89.4 24.5 36.7#

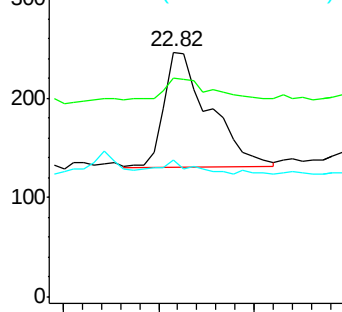
125 56.1 13.7 20.5#



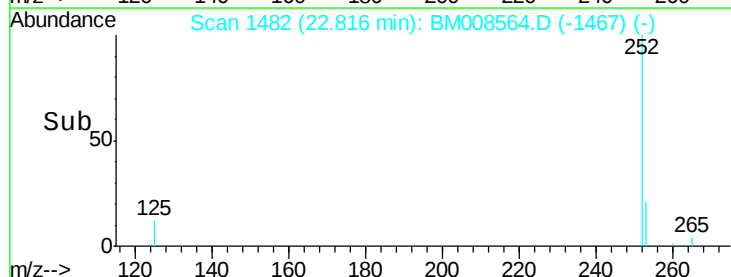
Abundance Ion 252.00 (251.70 to 252.70): E

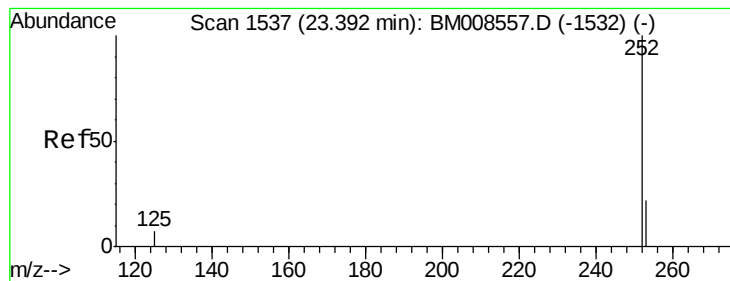
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.80 22.90





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL

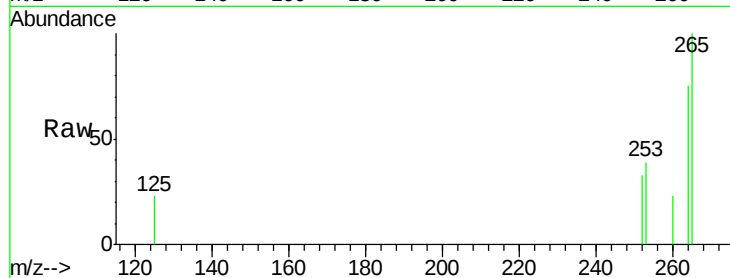
Tgt Ion:252 Resp: 106

Ion Ratio Lower Upper

252 100

253 115.8 28.5 42.7#

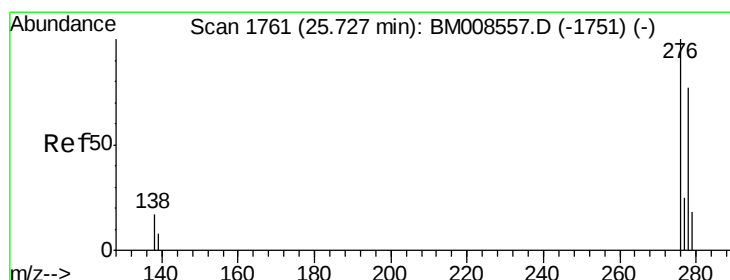
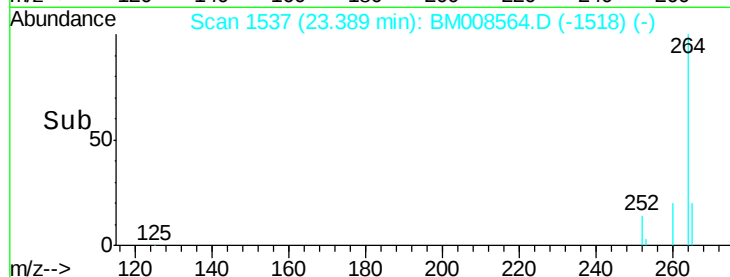
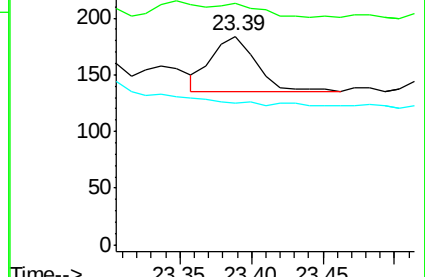
125 67.9 18.1 27.1#



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: 0.02 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BM008564.D

Acq: 22 Dec 2016 20:14

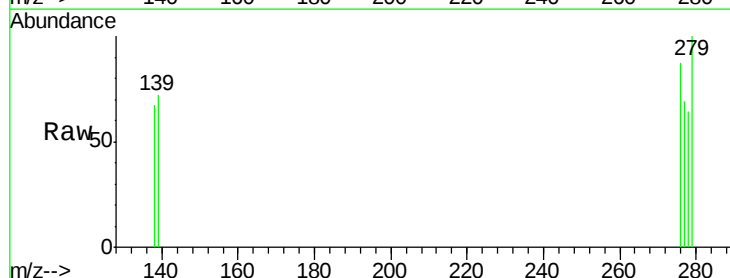
Tgt Ion:276 Resp: 134

Ion Ratio Lower Upper

276 100

138 19.4 19.1 28.7

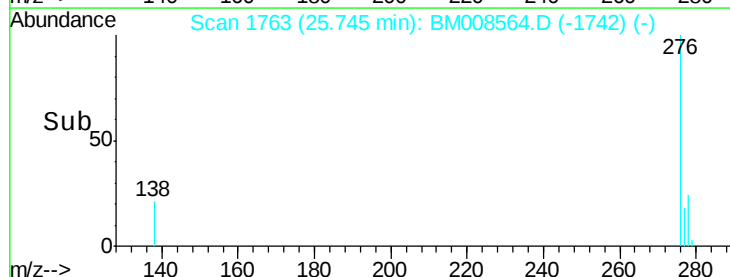
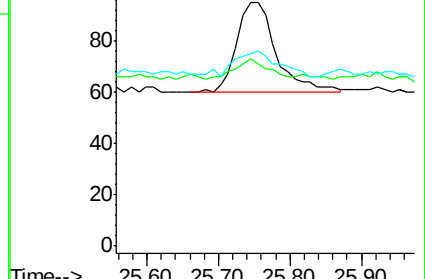
277 32.1 19.6 29.4#

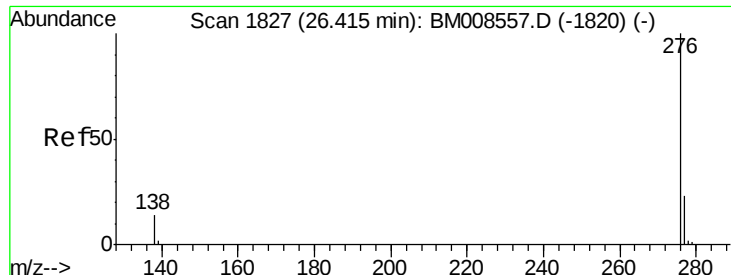


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.03 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BM008564.D

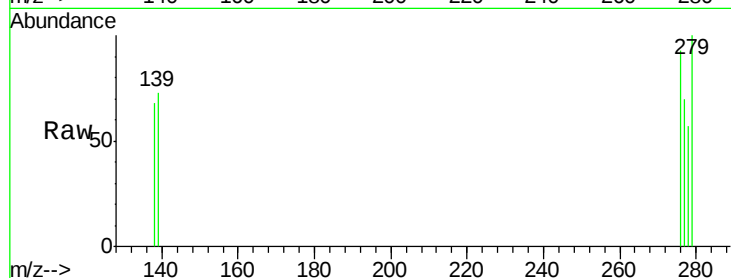
Acq: 22 Dec 2016 20:14

Instrument :

BNA_M

ClientSampleId :

DA827DL



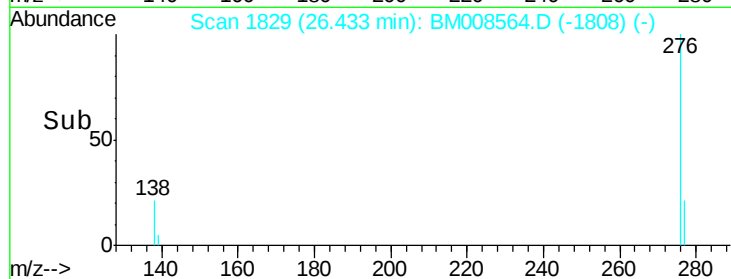
Tgt Ion: 276 Resp: 159

Ion Ratio Lower Upper

276 100

277 76.0 21.8 32.8#

138 73.0 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

