

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008648.D
 Acq On : 25 Dec 2016 00:44
 Operator : UM/SJ
 Sample : H6069-09DL 2X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8X9DL

Quant Time: Dec 26 00:59:20 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	7.67	152	430	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.44	136	1302	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.30	164	792	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.06	188	1370	0.40	ng/ul	-0.02
16) Chrysene-d12	21.26	240	1470	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	1904	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	207	0.10	ng/ul	-0.02
14) Fluoranthene-d10	19.10	212	584	0.15	ng/ul	0.00

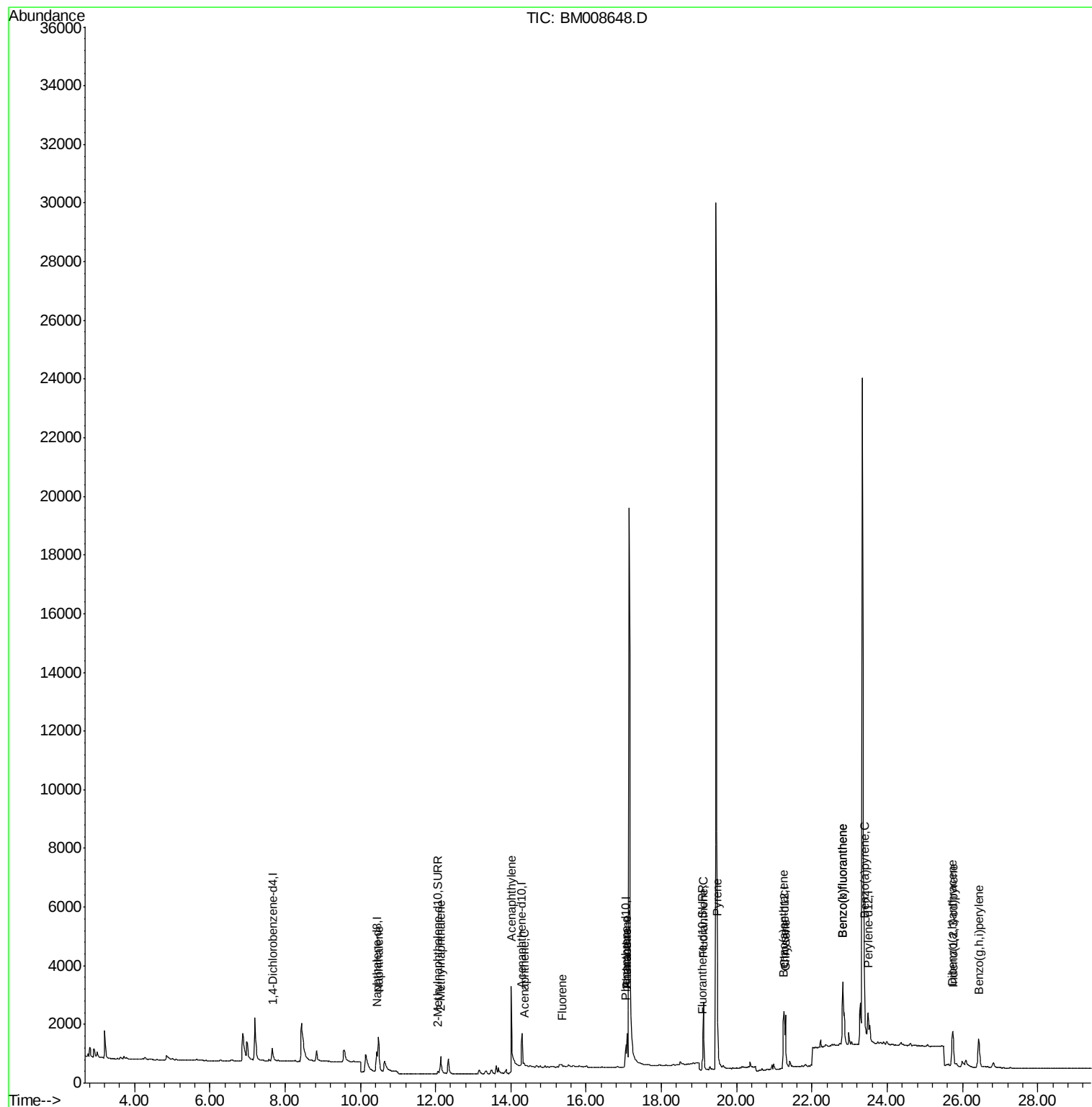
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	2397	0.65	ng/ul	96
5) 2-Methylnaphthalene	12.13	142	748	0.30	ng/ul	99
7) Acenaphthylene	14.01	152	287	0.08	ng/ul#	60
8) Acenaphthene	14.35	153	96	0.04	ng/ul#	83
9) Fluorene	15.36	166	82	0.03	ng/ul#	79
12) Phenanthrene	17.09	178	1435	0.34	ng/ul#	95
13) Anthracene	17.09	178	1425	0.35	ng/ul	96
15) Fluoranthene	19.12	202	2699	0.53	ng/ul	97
17) Pyrene	19.48	202	2604	0.46	ng/ul	95
18) Benzo(a)anthracene	21.24	228	1975	0.41	ng/ul#	89
19) Chrysene	21.29	228	1968	0.37	ng/ul#	90
21) Benzo(b)fluoranthene	22.82	252	5190	0.69	ng/ul	95
22) Benzo(k)fluoranthene	22.82	252	5159	0.71	ng/ul#	96
23) Benzo(a)pyrene	23.39	252	2623	0.38	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	25.74	276	2513	0.30	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.73	278	479	0.07	ng/ul#	22
26) Benzo(g,h,i)perylene	26.43	276	2351	0.33	ng/ul	94

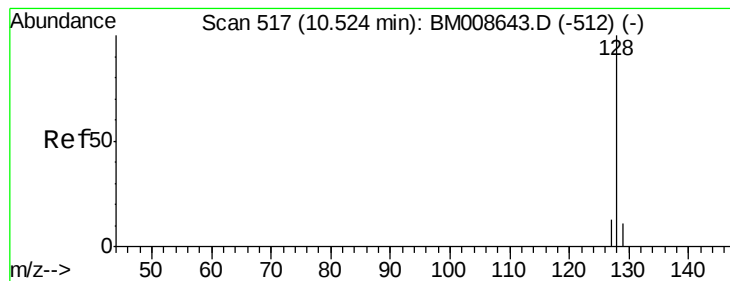
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.65 ng/ul

RT: 10.49 min Scan# 514

Delta R.T. -0.04 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL

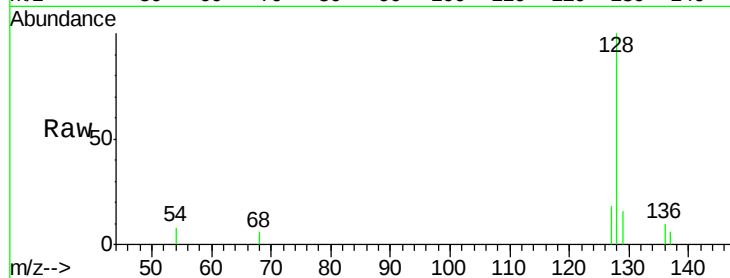
Tgt Ion:128 Resp: 2397

Ion Ratio Lower Upper

128 100

129 15.9 11.3 16.9

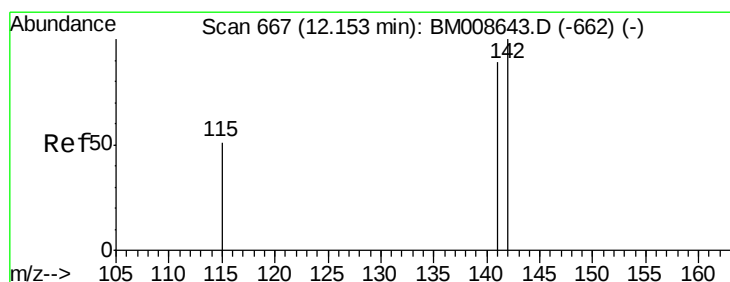
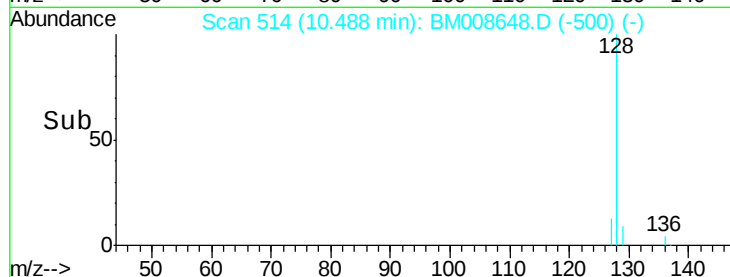
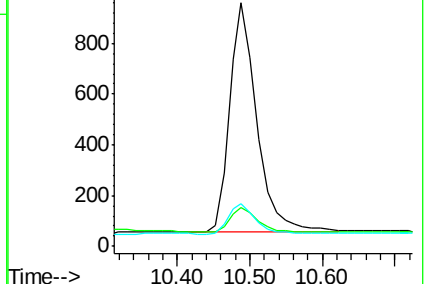
127 17.6 12.8 19.2



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: 0.30 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008648.D

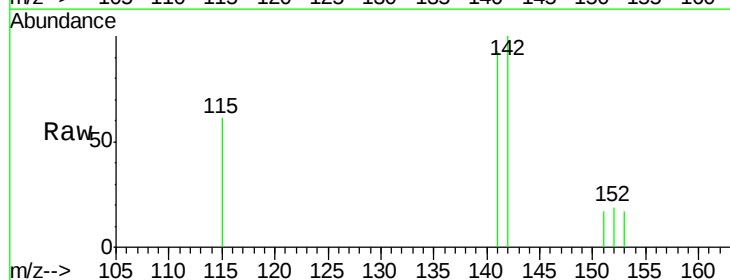
Acq: 25 Dec 2016 00:44

Tgt Ion:142 Resp: 748

Ion Ratio Lower Upper

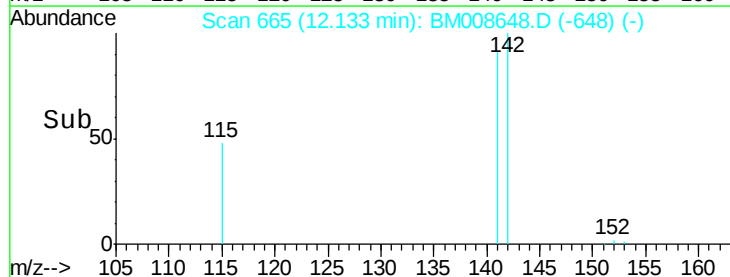
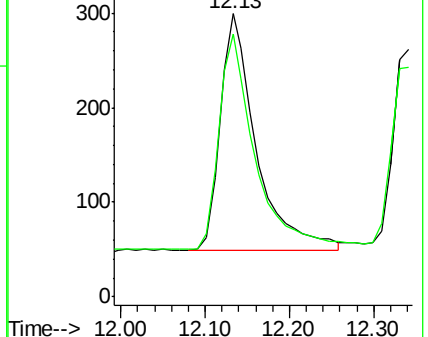
142 100

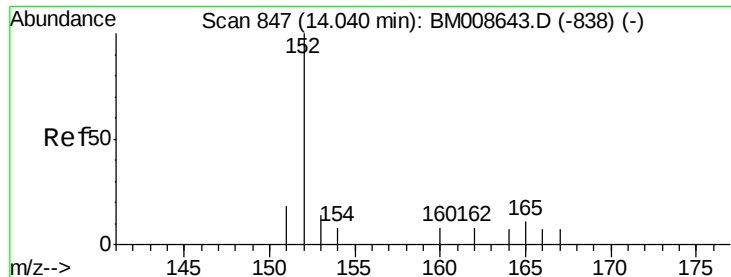
141 91.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL

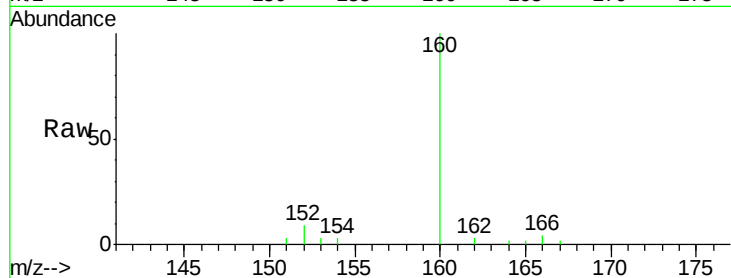
Tgt Ion:152 Resp: 287

Ion Ratio Lower Upper

152 100

151 38.6 17.1 25.7#

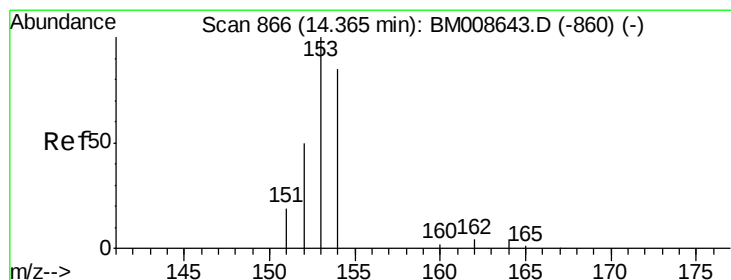
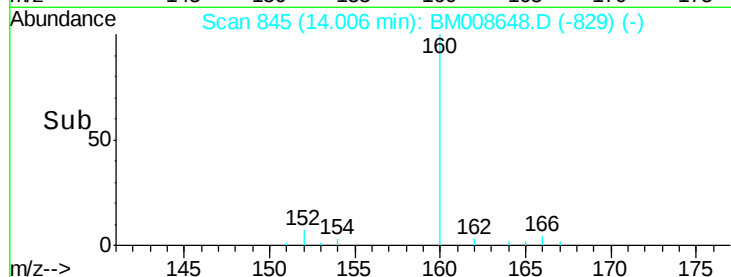
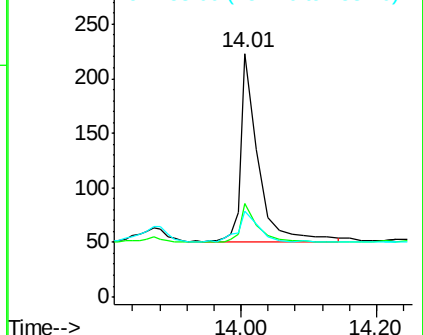
153 35.4 12.8 19.2#



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: 0.04 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

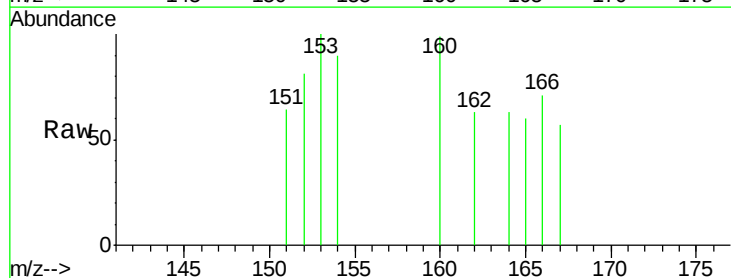
Tgt Ion:153 Resp: 96

Ion Ratio Lower Upper

153 100

152 80.9 40.3 60.5#

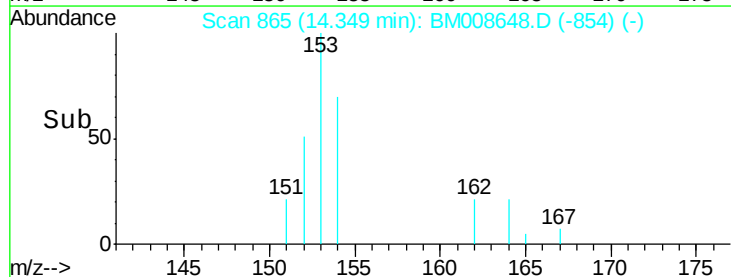
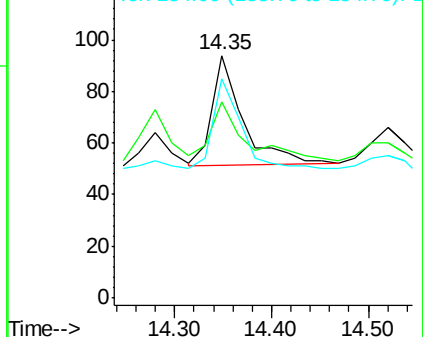
154 90.4 71.4 107.2

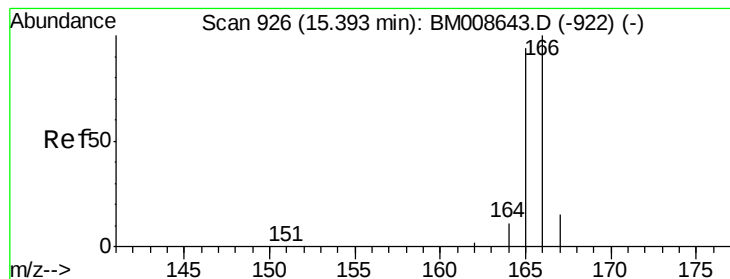


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.03 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL

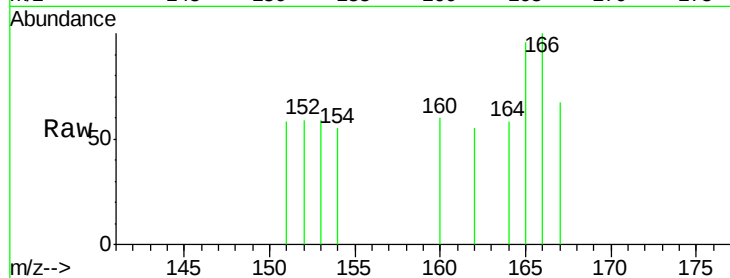
Tgt Ion:166 Resp: 82

Ion Ratio Lower Upper

166 100

165 95.7 73.4 110.2

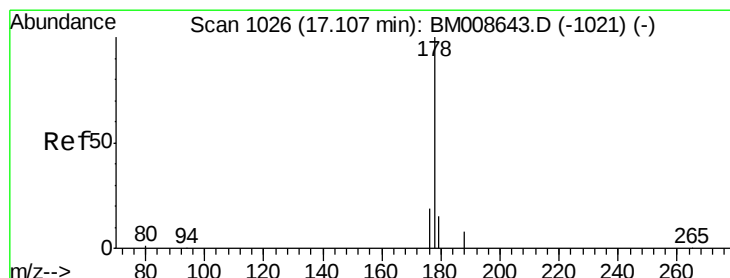
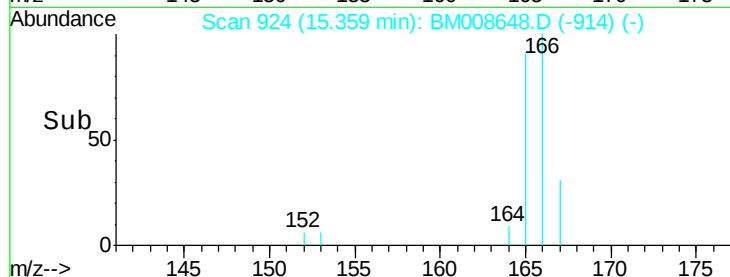
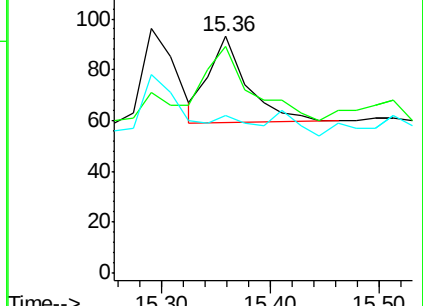
167 66.7 14.6 22.0#



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: 0.34 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

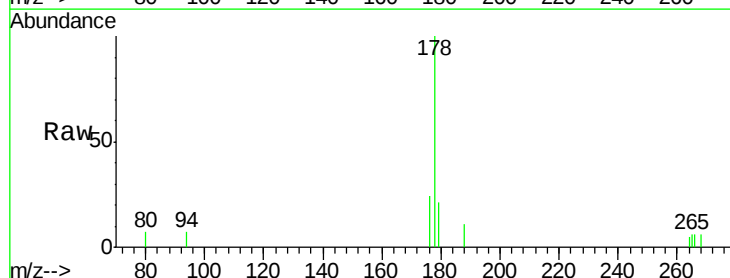
Tgt Ion:178 Resp: 1435

Ion Ratio Lower Upper

178 100

176 23.8 18.4 27.6

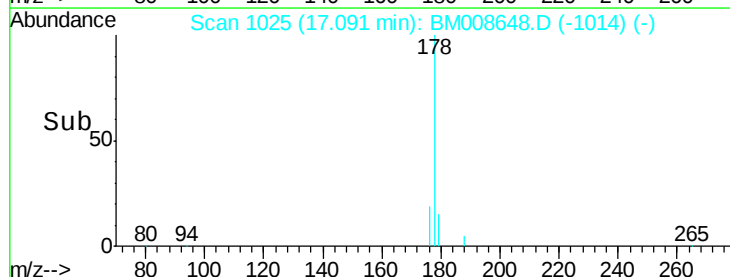
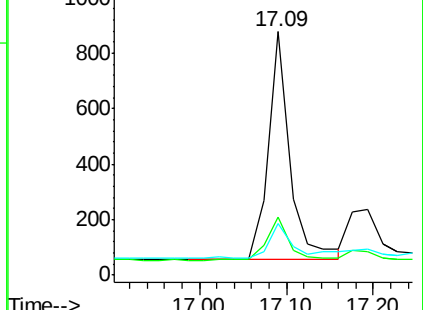
179 21.1 13.6 20.4#

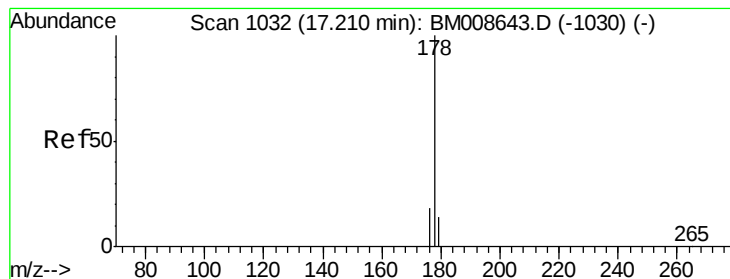


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.35 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.12 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL

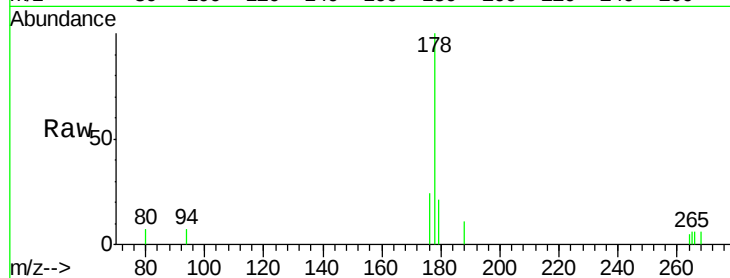
Tgt Ion:178 Resp: 1425

Ion Ratio Lower Upper

178 100

176 23.8 18.1 27.1

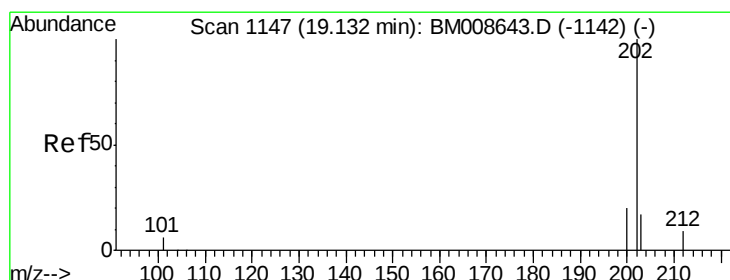
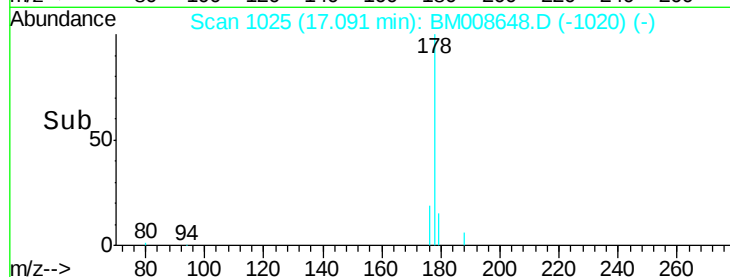
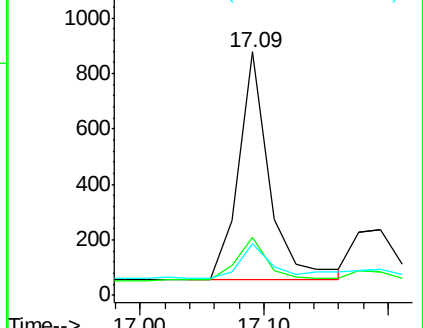
179 21.1 14.7 22.1



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: 0.53 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

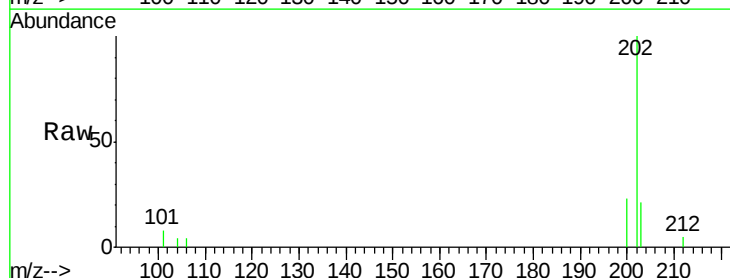
Tgt Ion:202 Resp: 2699

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.3

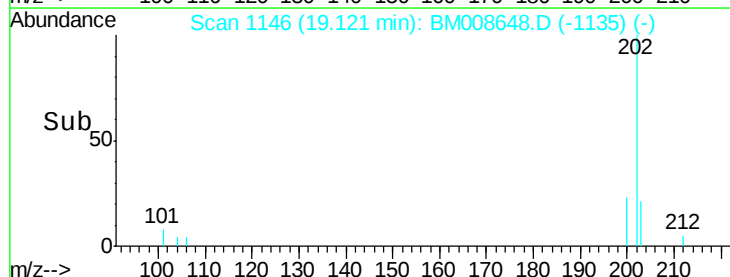
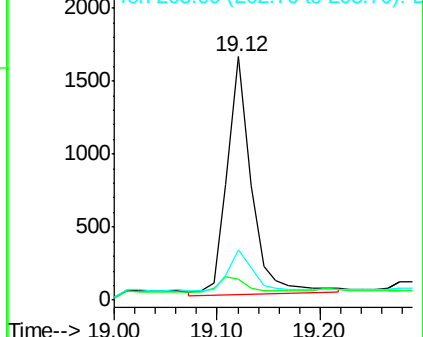
203 20.6 0.0 39.5

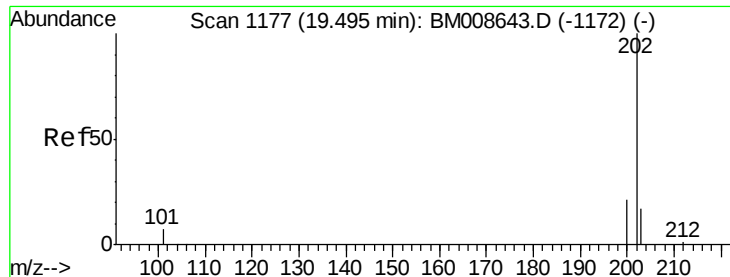


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

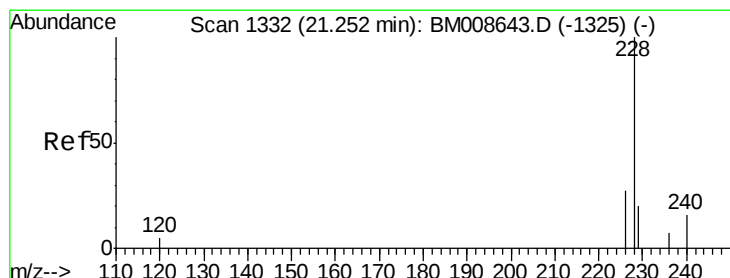
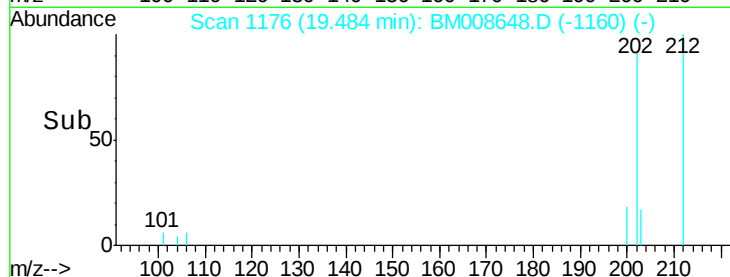
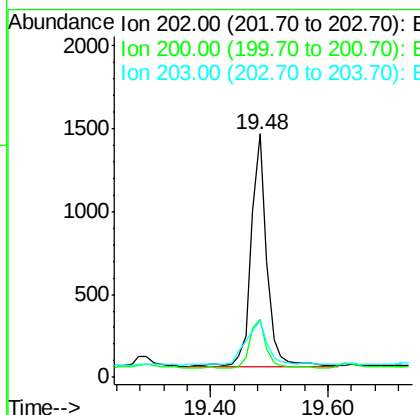
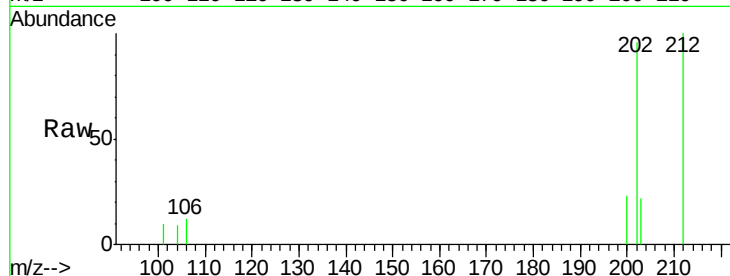




#17
 Pyrene
 Concen: 0.46 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BM008648.D
 Acq: 25 Dec 2016 00:44

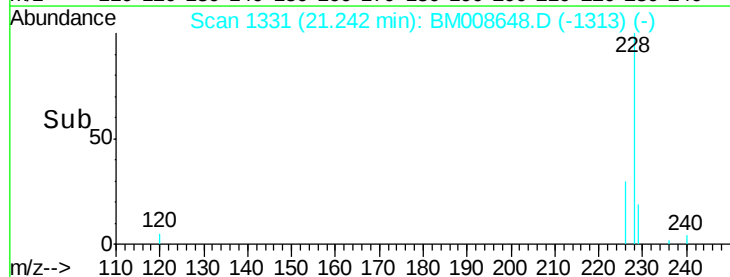
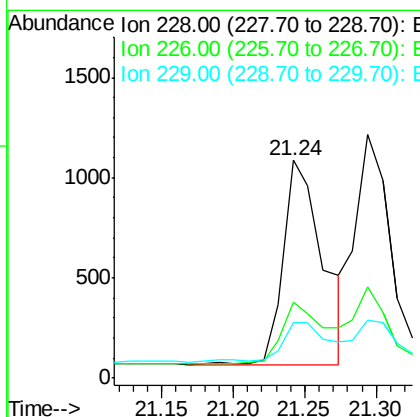
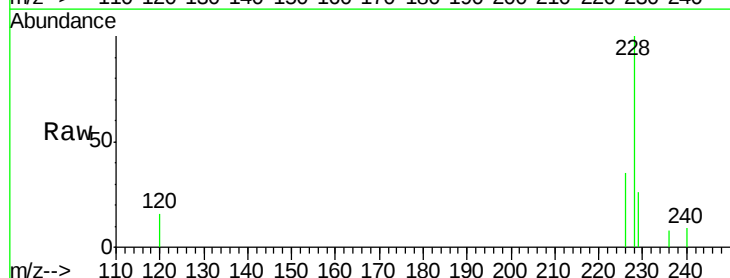
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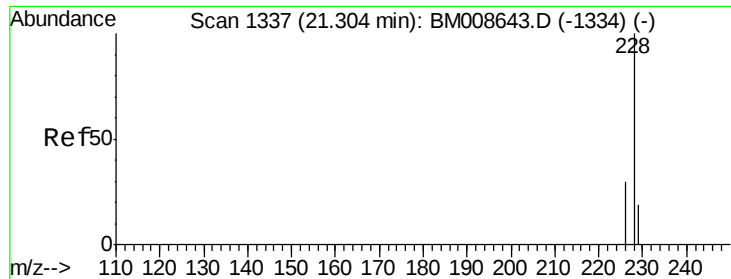
Tgt Ion:202 Resp: 2604
 Ion Ratio Lower Upper
 202 100
 200 23.8 18.2 27.4
 203 23.1 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 0.41 ng/ul
 RT: 21.24 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BM008648.D
 Acq: 25 Dec 2016 00:44

Tgt Ion:228 Resp: 1975
 Ion Ratio Lower Upper
 228 100
 226 35.1 22.8 34.2#
 229 25.5 17.0 25.6





#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL

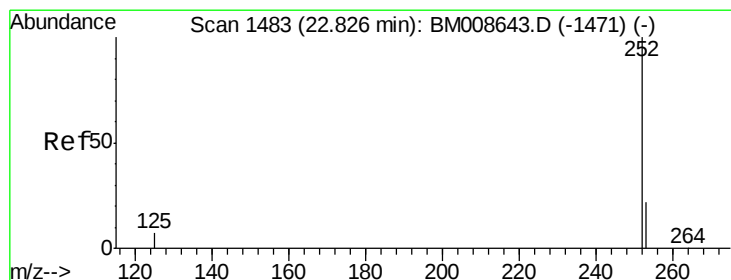
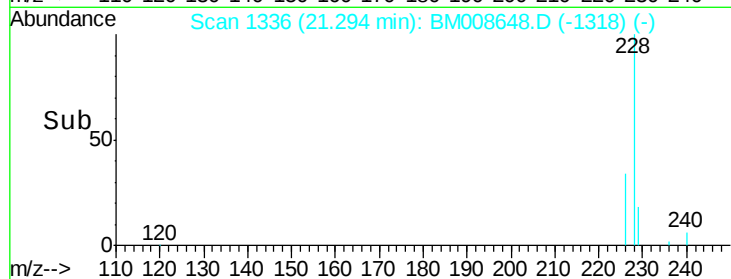
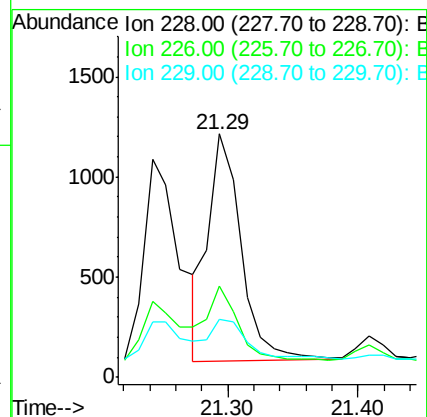
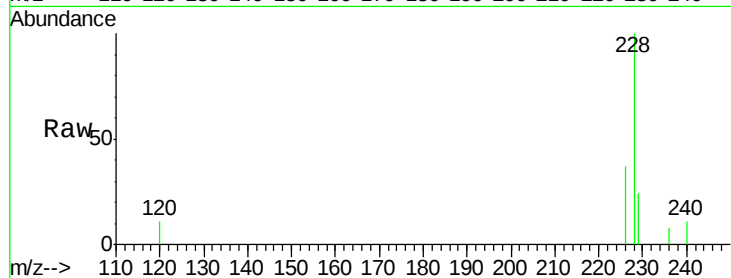
Tgt Ion:228 Resp: 1968

Ion Ratio Lower Upper

228 100

226 37.4 23.4 35.0#

229 23.9 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.69 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

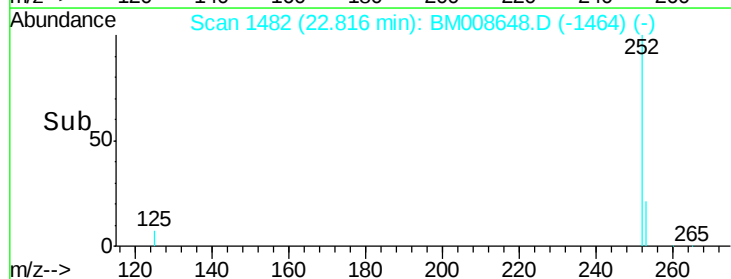
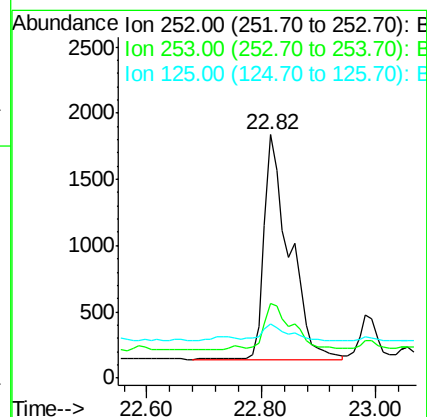
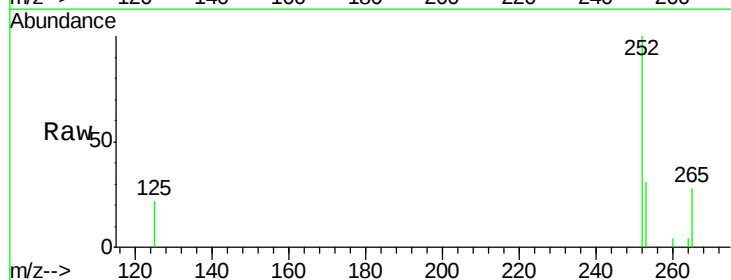
Tgt Ion:252 Resp: 5190

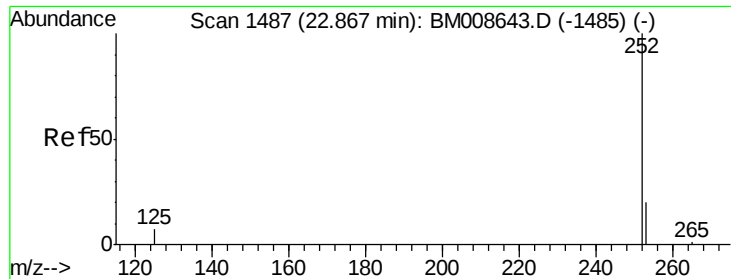
Ion Ratio Lower Upper

252 100

253 30.8 0.0 64.2

125 22.0 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.71 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.05 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

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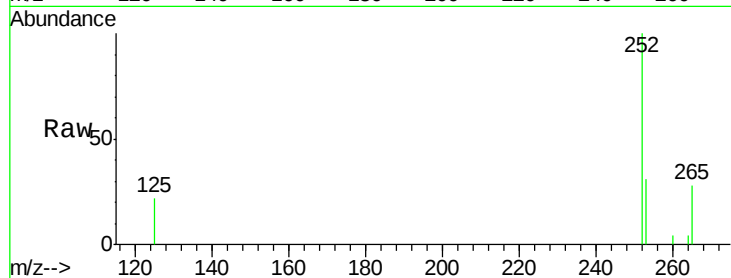
Tgt Ion:252 Resp: 5159

Ion Ratio Lower Upper

252 100

253 30.8 24.5 36.7

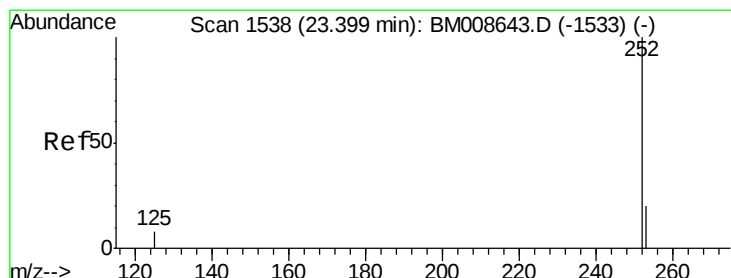
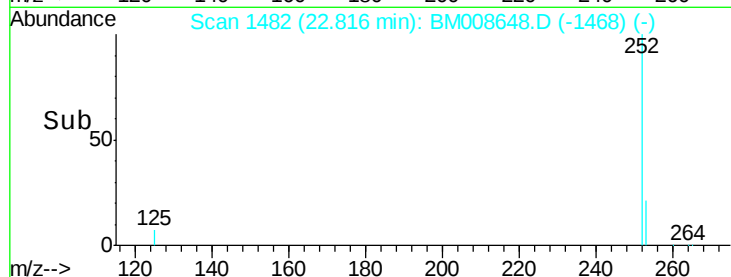
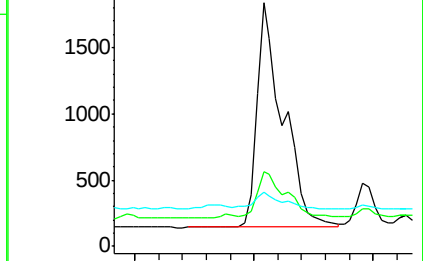
125 22.0 13.7 20.5#



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: 0.38 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

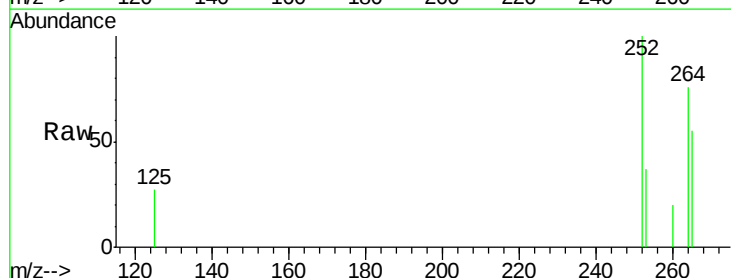
Tgt Ion:252 Resp: 2623

Ion Ratio Lower Upper

252 100

253 36.7 28.5 42.7

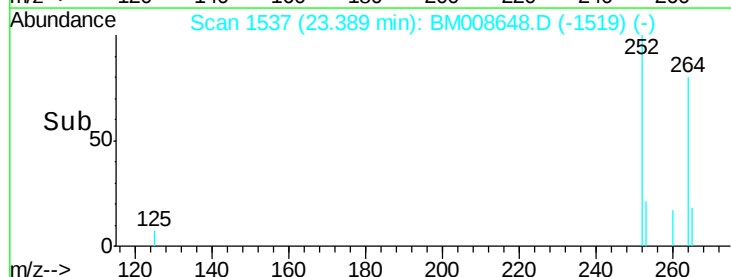
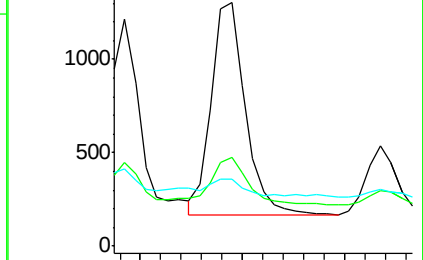
125 27.3 18.1 27.1#

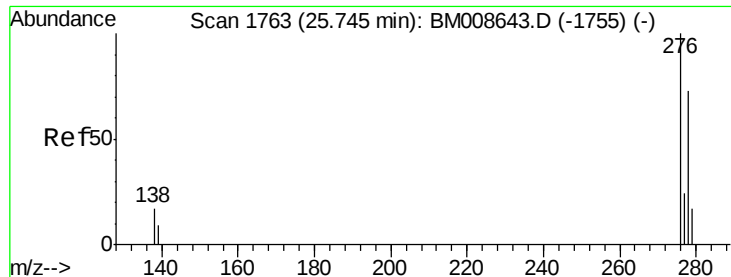


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.30 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL

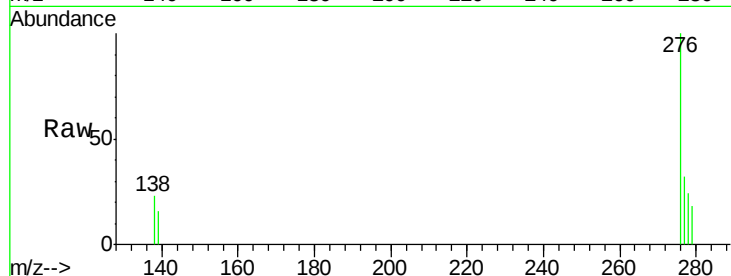
Tgt Ion: 276 Resp: 2513

Ion Ratio Lower Upper

276 100

138 14.9 19.1 28.7#

277 24.3 19.6 29.4

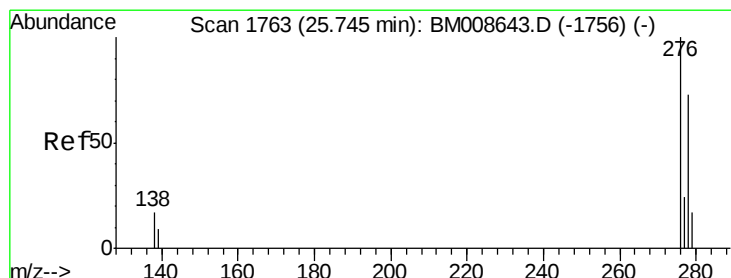
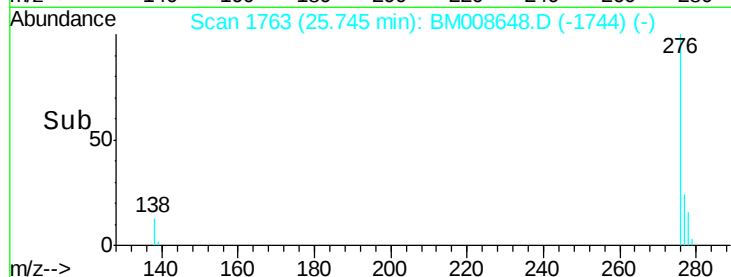
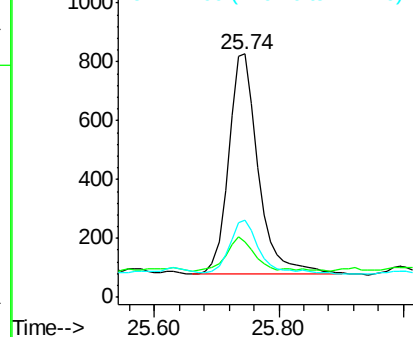


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.74



#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 25.73 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BM008648.D

Acq: 25 Dec 2016 00:44

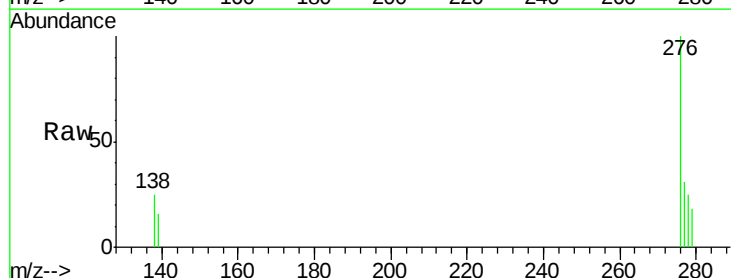
Tgt Ion: 278 Resp: 479

Ion Ratio Lower Upper

278 100

139 63.9 17.4 26.0#

279 71.6 25.9 38.9#

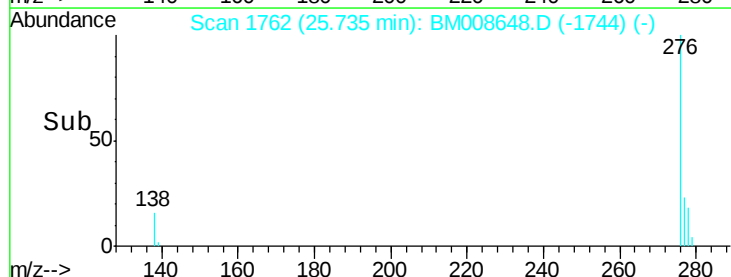
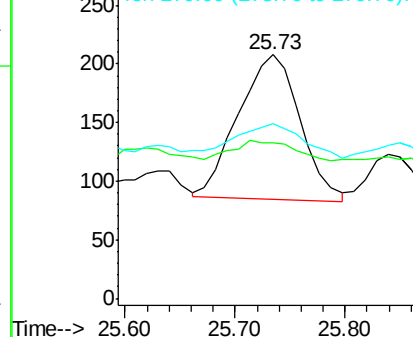


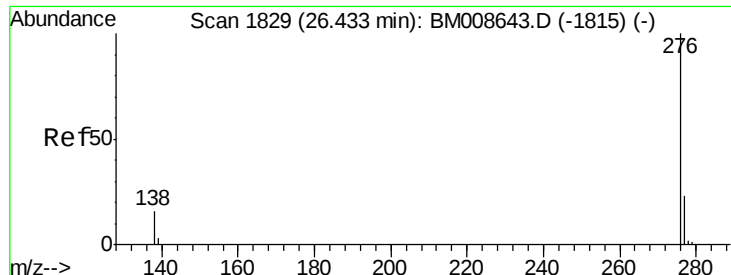
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.73





#26

Benzo(g,h,i)perylene

Concen: 0.33 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BM008648.D

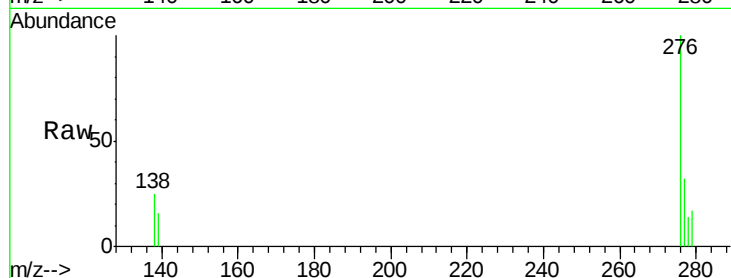
Acq: 25 Dec 2016 00:44

Instrument :

BNA_M

ClientSampleId :

DA8X9DL



Tgt Ion: 276 Resp: 2351

Ion Ratio Lower Upper

276 100

277 32.5 21.8 32.8

138 24.9 20.5 30.7

