

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008222.D
 Acq On : 10 Dec 2016 01:17
 Operator : UM/SJ
 Sample : H5863-05DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y4DL

Quant Time: Dec 10 04:42:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 04:37:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	792	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	2518	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1455	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	2466	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2195	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2119	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	400	0.11	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	1013	0.15	ng/ul	-0.02

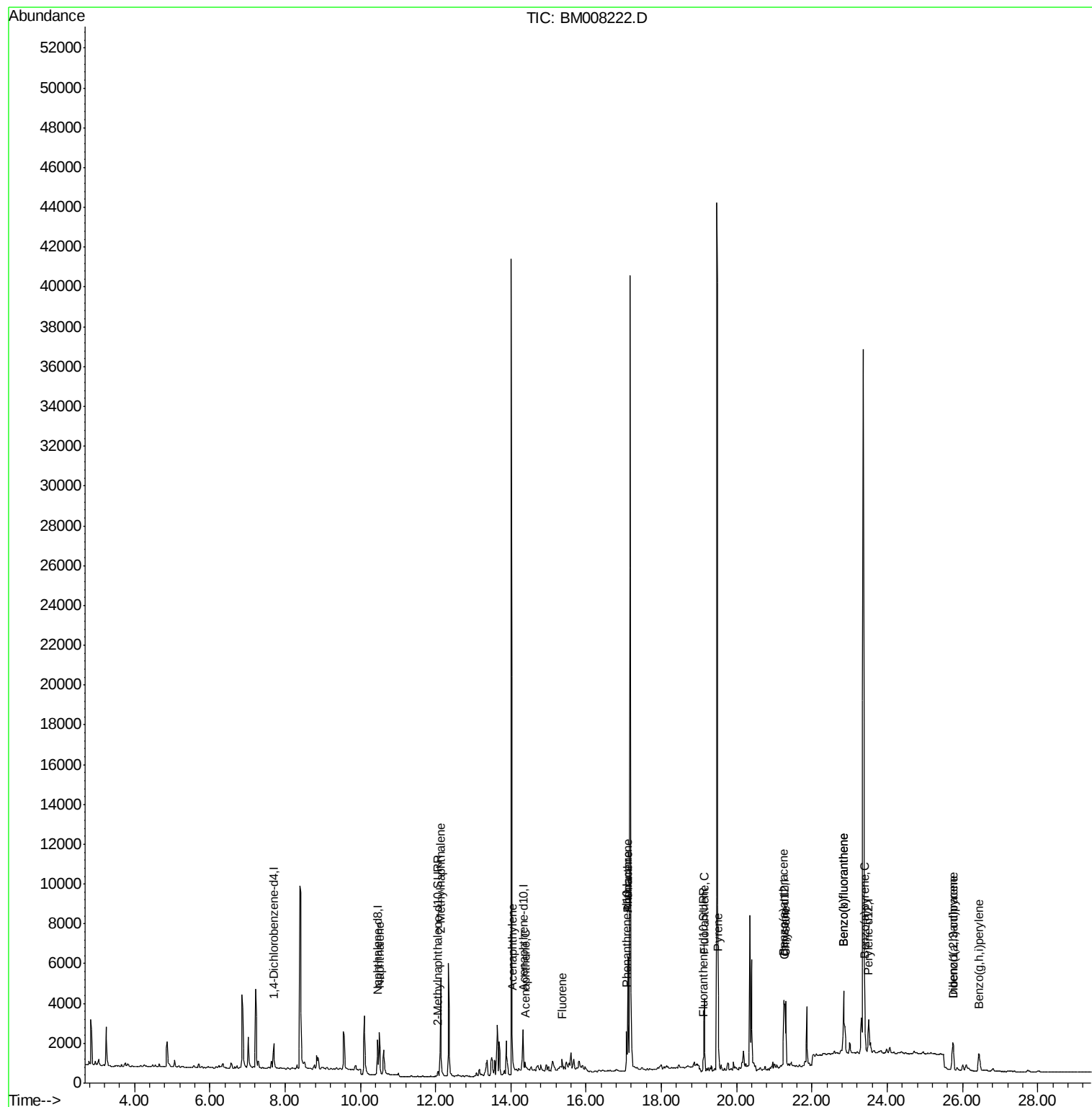
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	3053	0.43	ng/ul	99
5) 2-Methylnaphthalene	12.13	142	3918	0.86	ng/ul	99
7) Acenaphthylene	14.04	152	687	0.10	ng/ul#	69
8) Acenaphthene	14.38	153	200	0.04	ng/ul#	82
9) Fluorene	15.38	166	143	0.02	ng/ul#	43
12) Phenanthrene	17.11	178	6758	0.88	ng/ul	98
13) Anthracene	17.11	178	6616	0.92	ng/ul	97
15) Fluoranthene	19.14	202	3829	0.39	ng/ul	95
17) Pyrene	19.51	202	3643	0.48	ng/ul	95
18) Benzo(a)anthracene	21.25	228	2963	0.44	ng/ul#	85
19) Chrysene	21.30	228	3437	0.41	ng/ul#	88
21) Benzo(b)fluoranthene	22.84	252	6676	0.79	ng/ul	98
22) Benzo(k)fluoranthene	22.84	252	6676	0.77	ng/ul	97
23) Benzo(a)pyrene	23.40	252	2524	0.32	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.74	276	2282	0.23	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.74	278	725	0.09	ng/ul#	31
26) Benzo(g,h,i)perylene	26.43	276	2008	0.23	ng/ul#	92

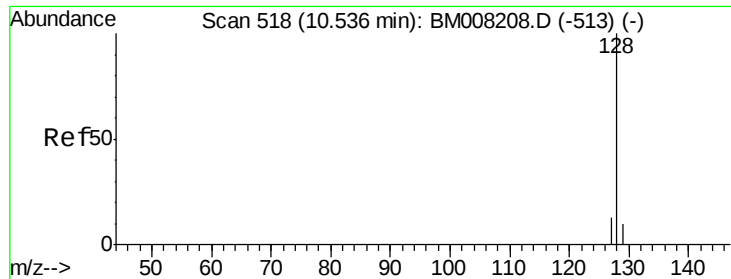
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.43 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL

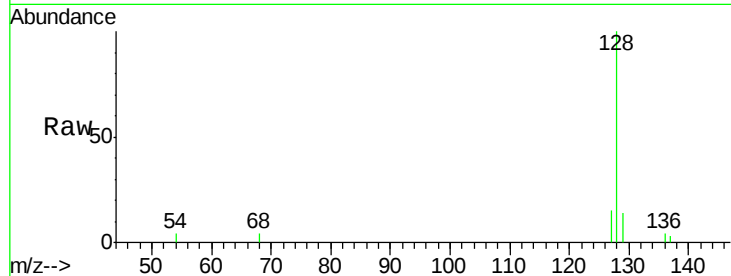
Tgt Ion:128 Resp: 3053

Ion Ratio Lower Upper

128 100

129 13.9 11.3 16.9

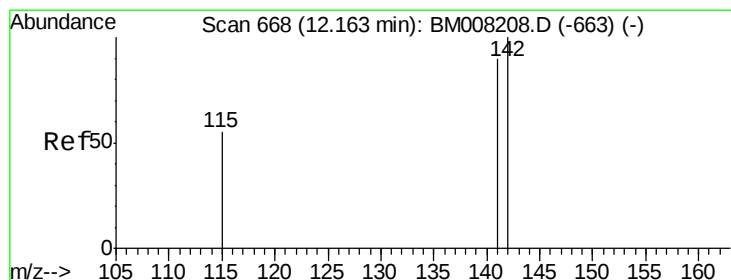
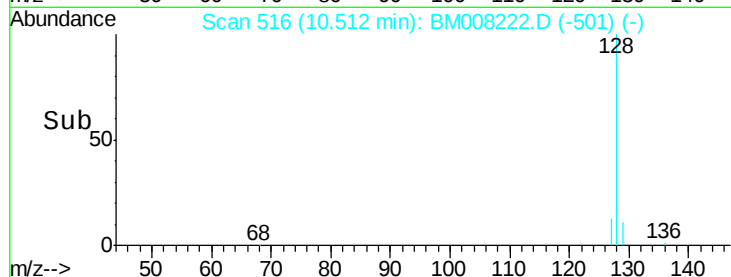
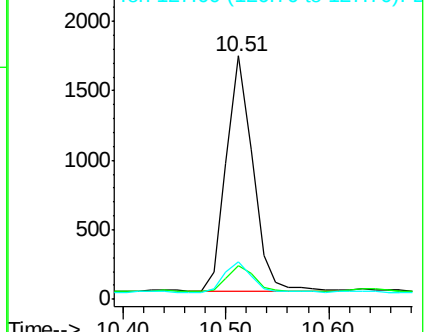
127 15.5 12.8 19.2



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: 0.86 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.03 min

Lab File: BM008222.D

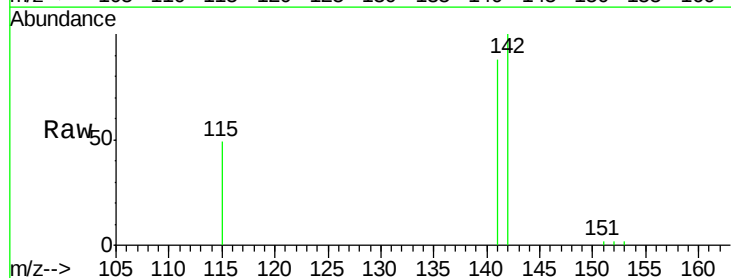
Acq: 10 Dec 2016 01:17

Tgt Ion:142 Resp: 3918

Ion Ratio Lower Upper

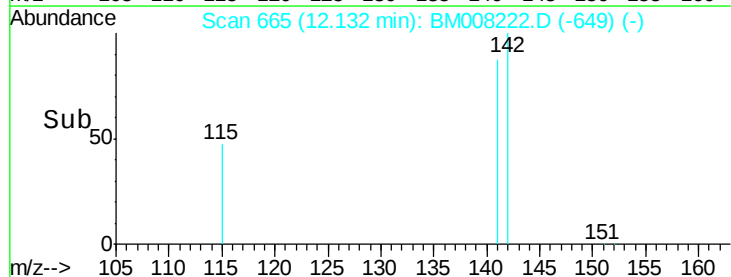
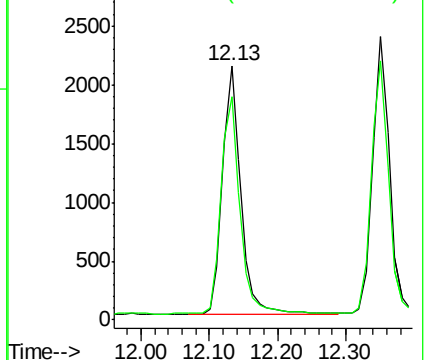
142 100

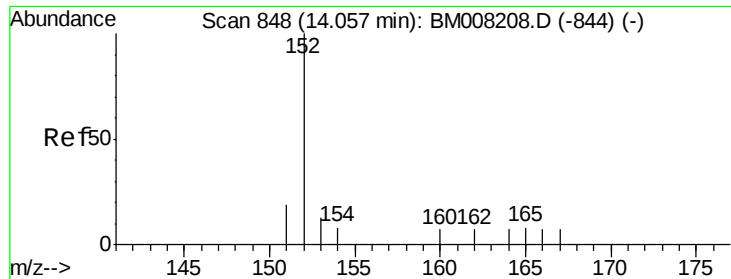
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL

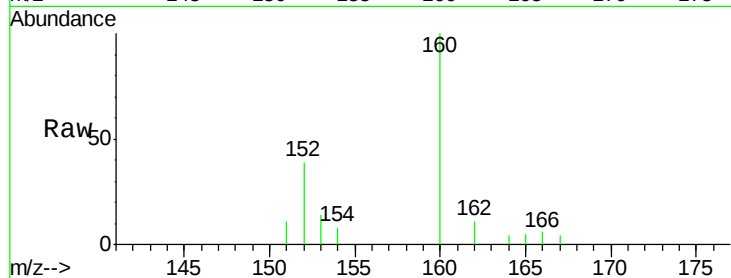
Tgt Ion:152 Resp: 687

Ion Ratio Lower Upper

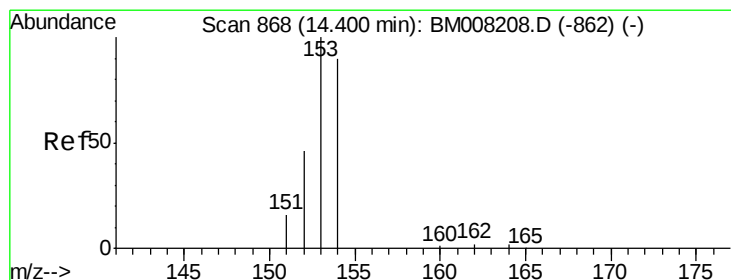
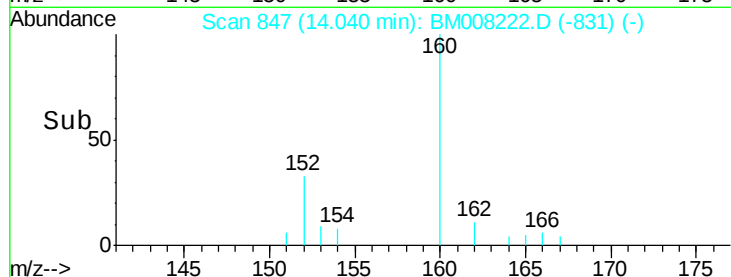
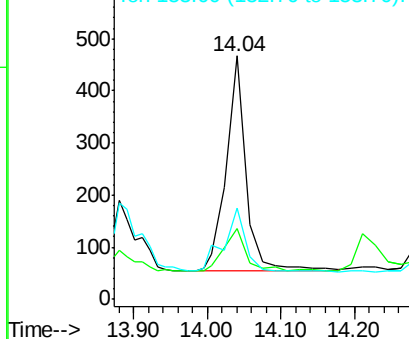
152 100

151 29.3 17.1 25.7#

153 37.3 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: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

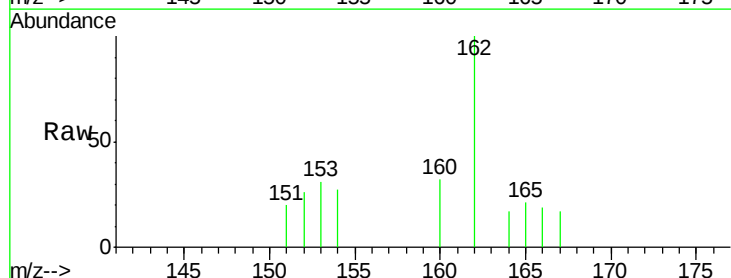
Tgt Ion:153 Resp: 200

Ion Ratio Lower Upper

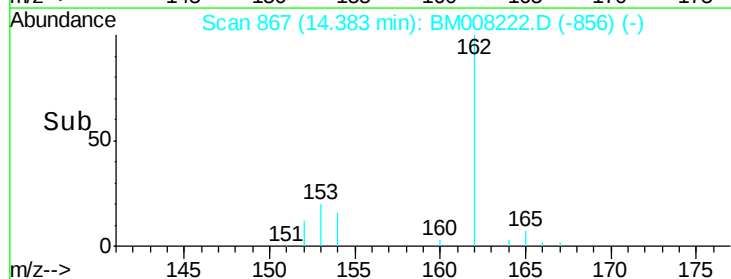
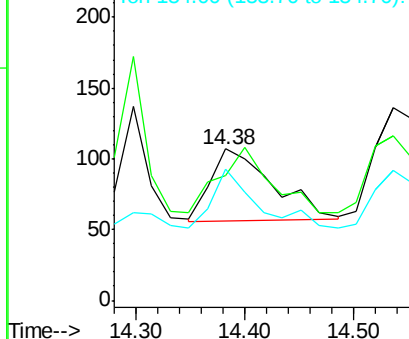
153 100

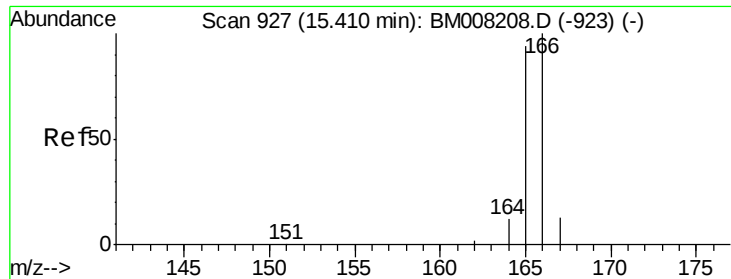
152 82.2 40.3 60.5#

154 86.9 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: 0.02 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.03 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL

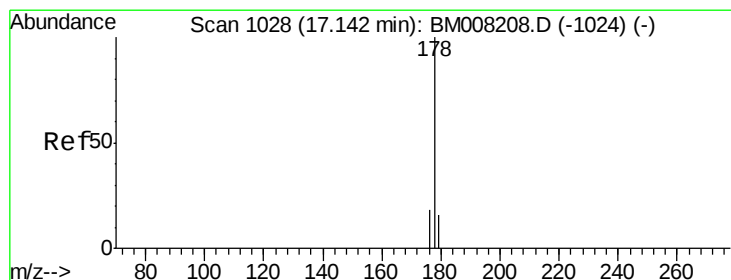
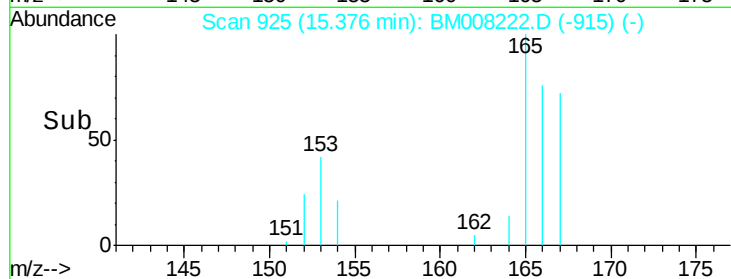
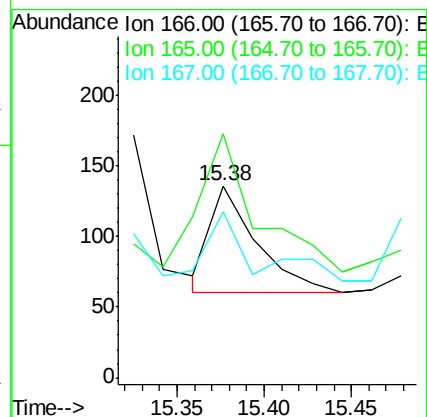
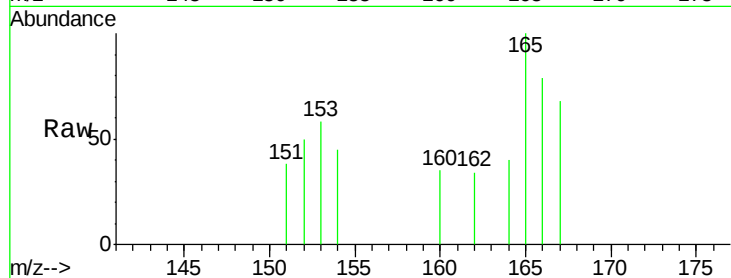
Tgt Ion:166 Resp: 143

Ion Ratio Lower Upper

166 100

165 127.2 73.4 110.2#

167 86.8 14.6 22.0#



#12

Phenanthrene

Concen: 0.88 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

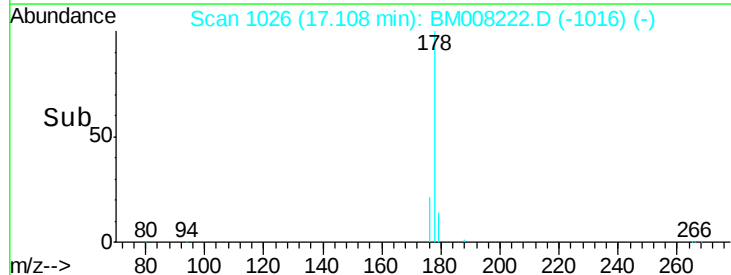
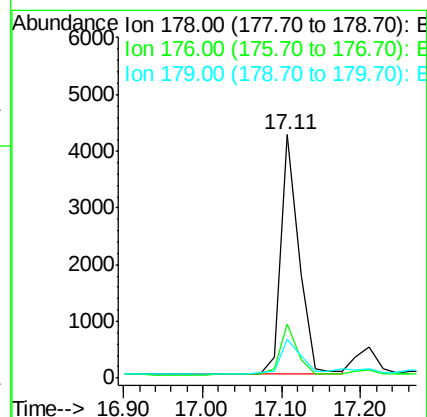
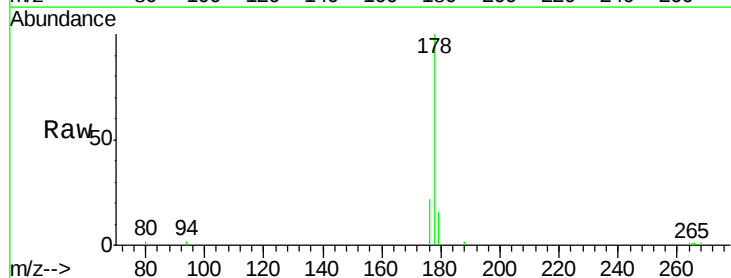
Tgt Ion:178 Resp: 6758

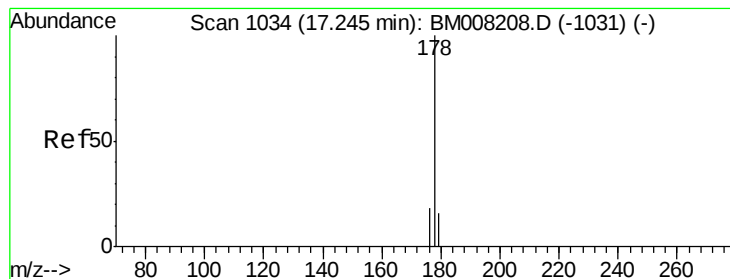
Ion Ratio Lower Upper

178 100

176 22.2 18.4 27.6

179 15.7 13.6 20.4





#13

Anthracene

Concen: 0.92 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.14 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL

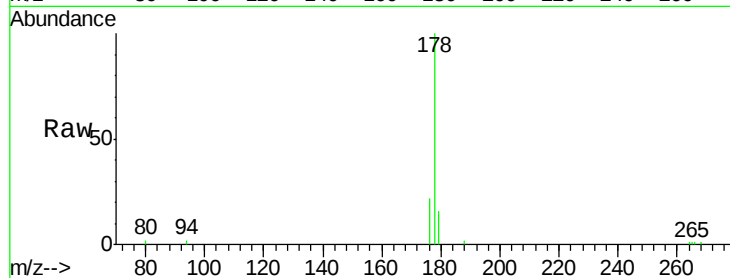
Tgt Ion:178 Resp: 6616

Ion Ratio Lower Upper

178 100

176 22.2 18.1 27.1

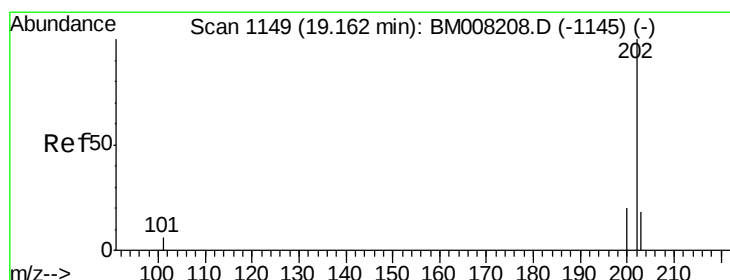
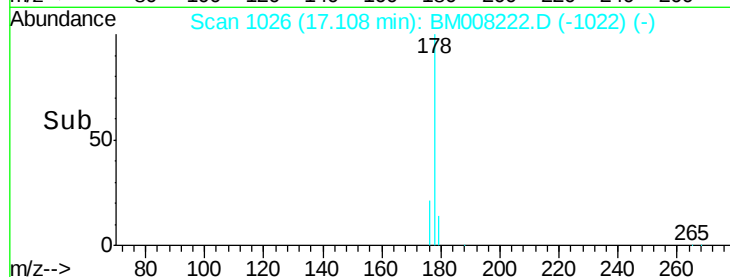
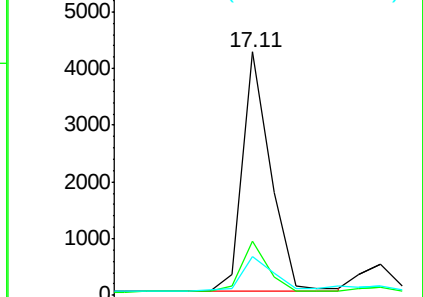
179 15.7 14.7 22.1



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: 0.39 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

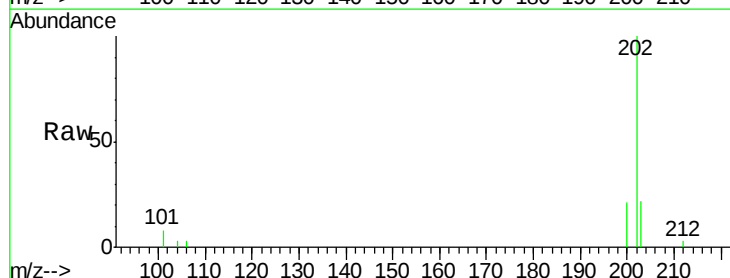
Tgt Ion:202 Resp: 3829

Ion Ratio Lower Upper

202 100

101 8.3 0.0 30.3

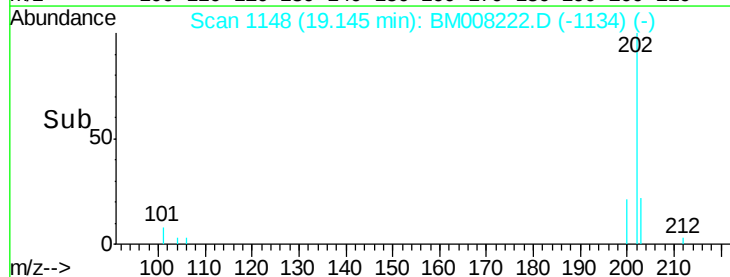
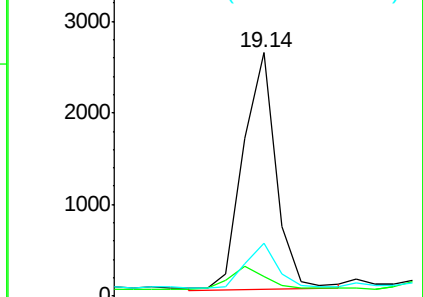
203 21.8 0.0 39.5

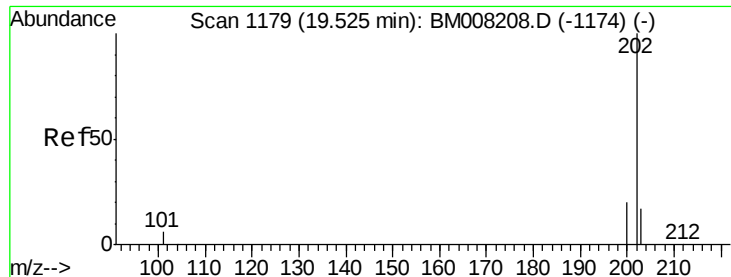


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

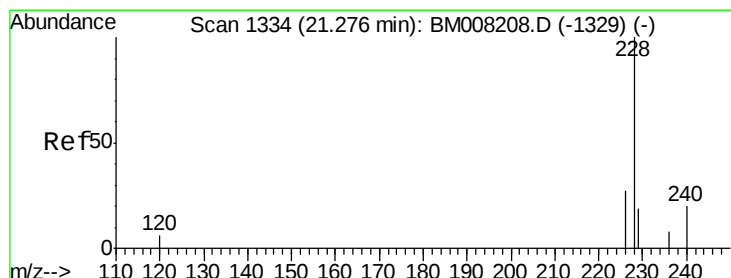
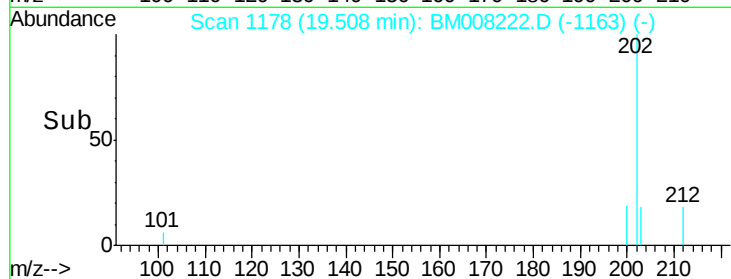
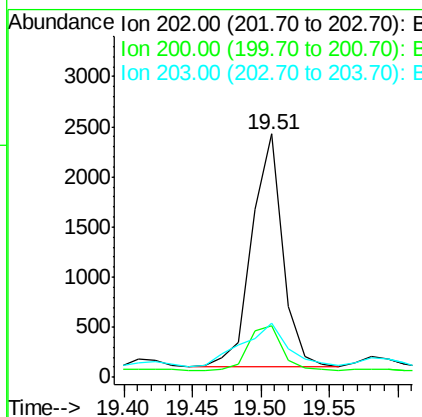
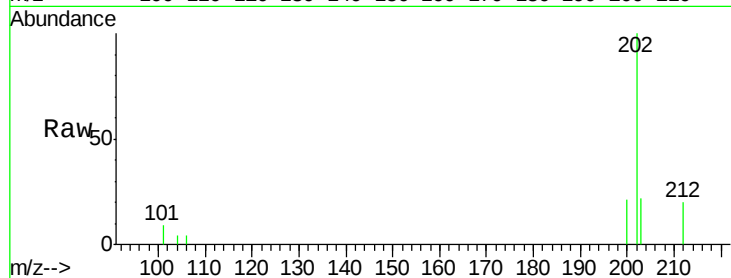




#17
Pyrene
Concen: 0.48 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BM008222.D
Acq: 10 Dec 2016 01:17

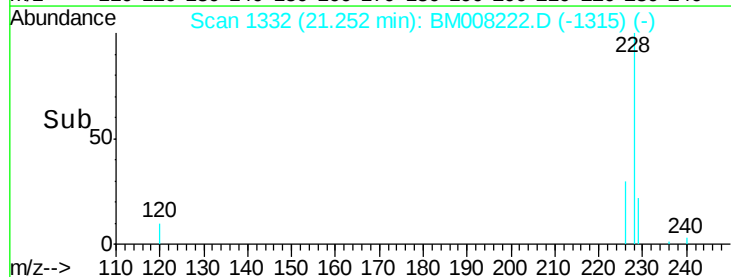
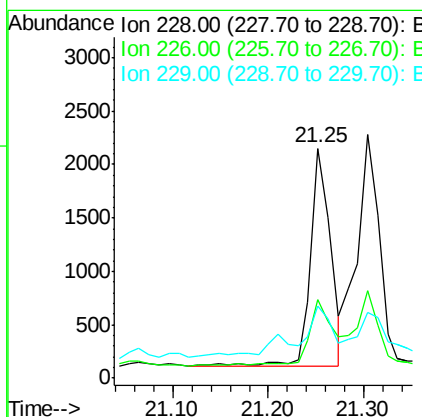
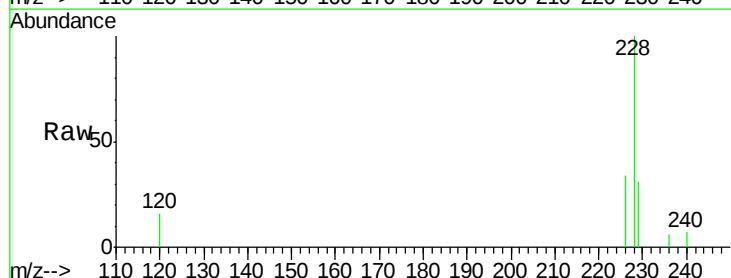
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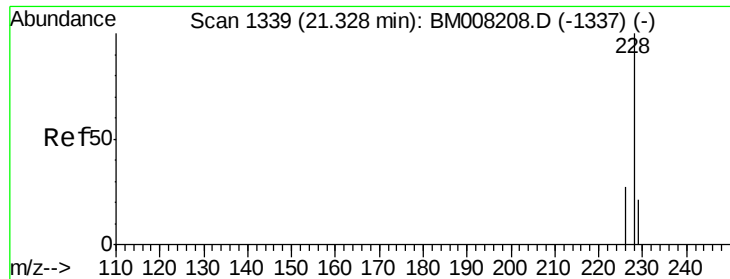
Tgt Ion: 202 Resp: 3643
Ion Ratio Lower Upper
202 100
200 21.3 18.2 27.4
203 22.3 15.6 23.4



#18
Benzo(a)anthracene
Concen: 0.44 ng/ul
RT: 21.25 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BM008222.D
Acq: 10 Dec 2016 01:17

Tgt Ion: 228 Resp: 2963
Ion Ratio Lower Upper
228 100
226 34.1 22.8 34.2
229 31.5 17.0 25.6#





#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL

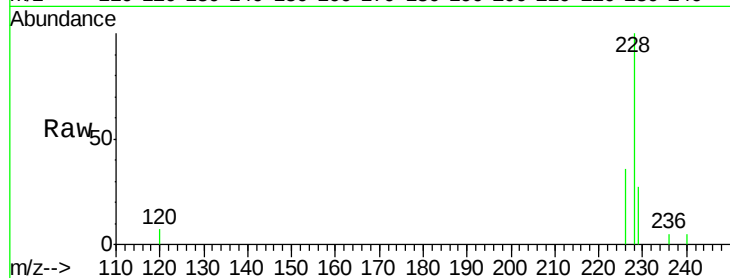
Tgt Ion:228 Resp: 3437

Ion Ratio Lower Upper

228 100

226 36.2 23.4 35.0#

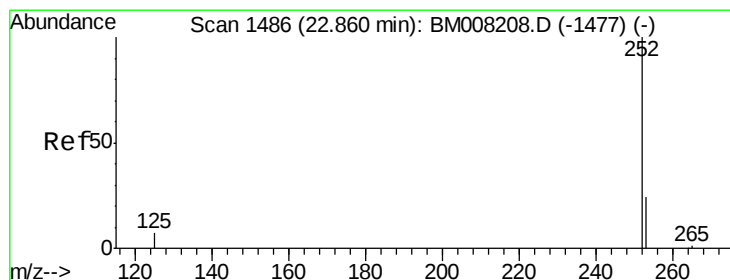
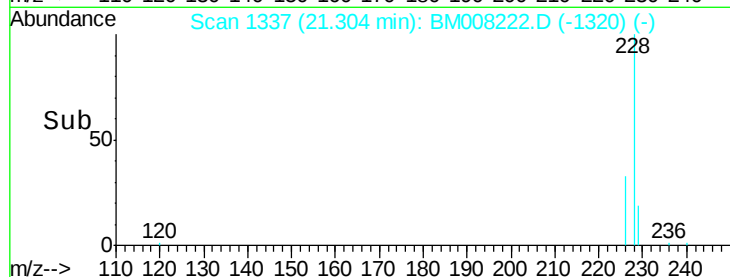
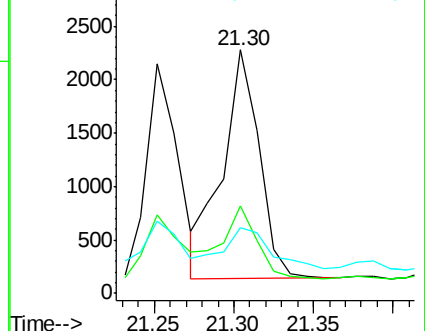
229 27.1 17.7 26.5#



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



#21

Benzo(b)fluoranthene

Concen: 0.79 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

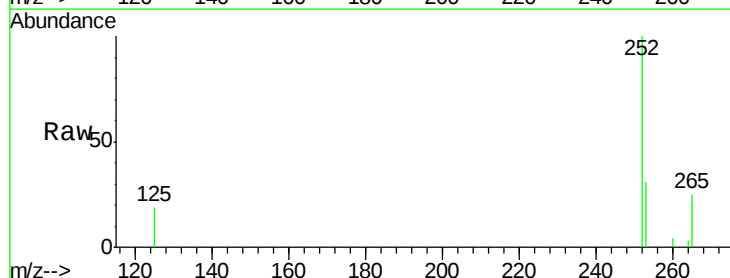
Tgt Ion:252 Resp: 6676

Ion Ratio Lower Upper

252 100

253 31.5 0.0 64.2

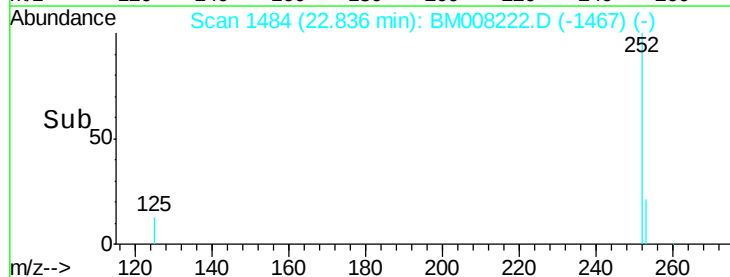
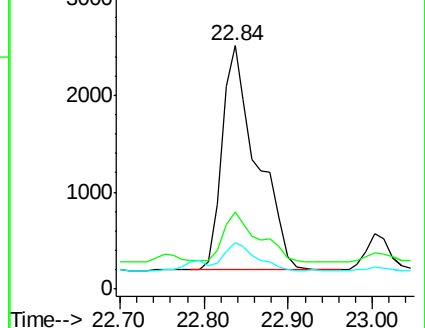
125 19.2 0.0 35.0

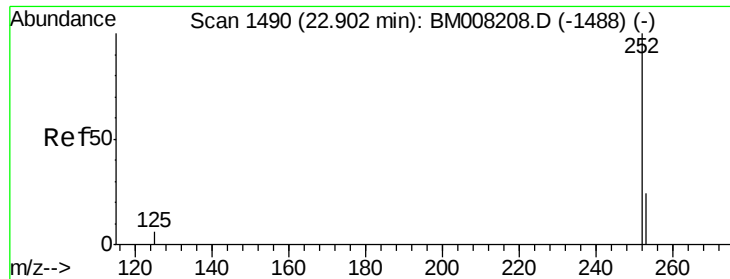


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.77 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.07 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

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ClientSampleId :

DA7Y4DL

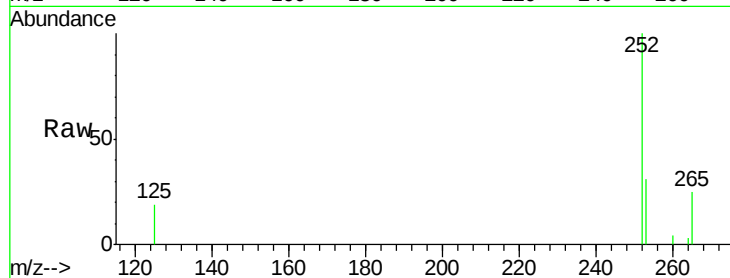
Tgt Ion:252 Resp: 6676

Ion Ratio Lower Upper

252 100

253 31.5 24.5 36.7

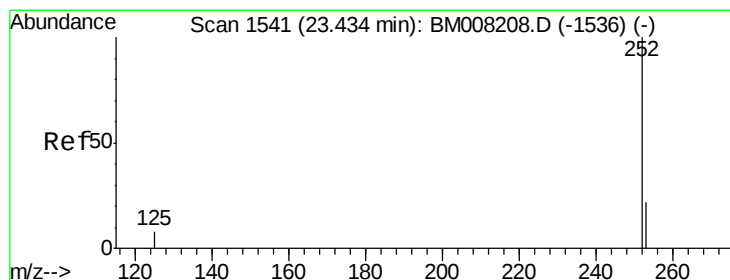
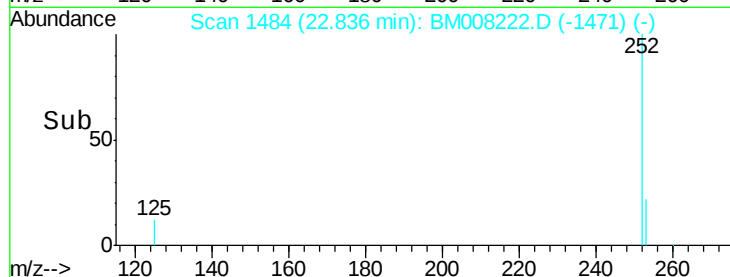
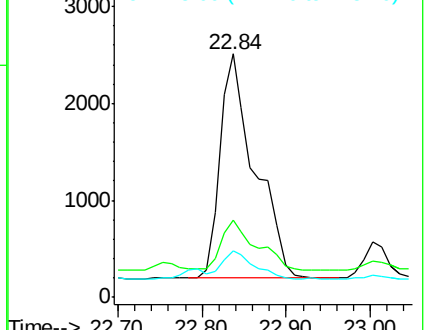
125 19.2 13.7 20.5



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: 0.32 ng/u1

RT: 23.40 min Scan# 1538

Delta R.T. -0.03 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

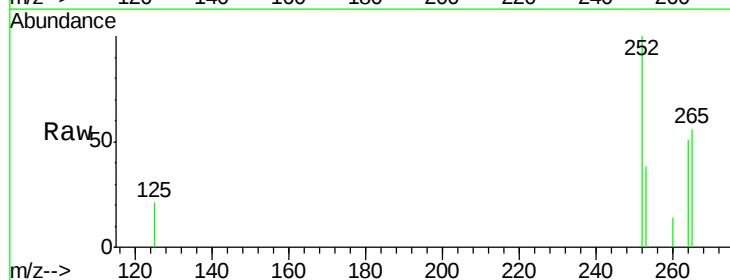
Tgt Ion:252 Resp: 2524

Ion Ratio Lower Upper

252 100

253 38.1 28.5 42.7

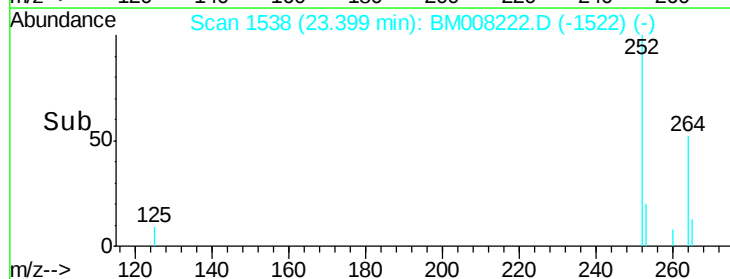
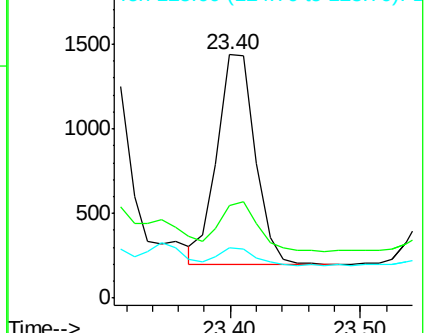
125 20.9 18.1 27.1

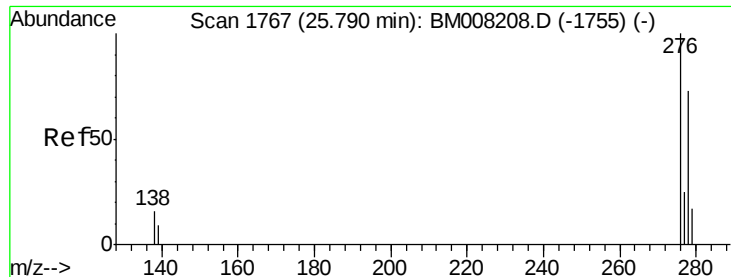


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.23 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.04 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL

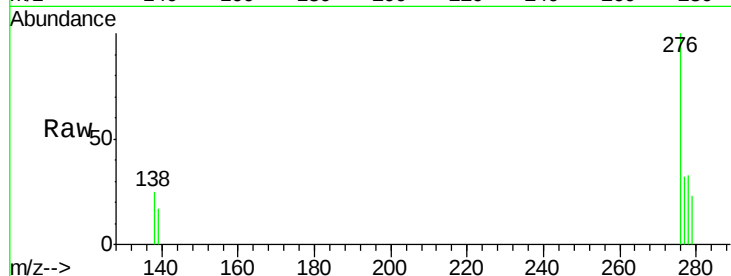
Tgt Ion: 276 Resp: 2282

Ion Ratio Lower Upper

276 100

138 16.8 19.1 28.7#

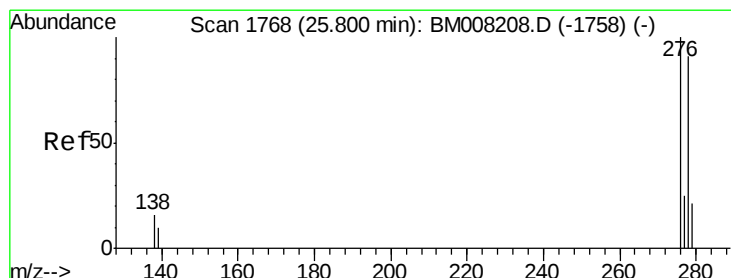
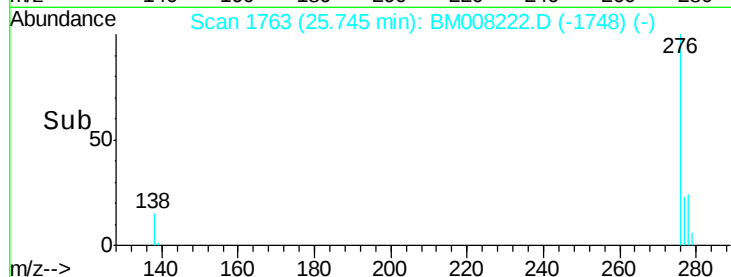
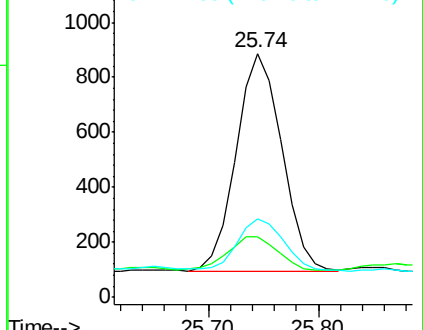
277 24.1 19.6 29.4



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



#25

Dibenzo(a,h)anthracene

Concen: 0.09 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.06 min

Lab File: BM008222.D

Acq: 10 Dec 2016 01:17

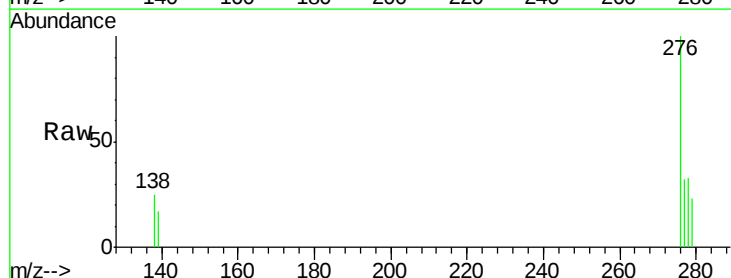
Tgt Ion: 278 Resp: 725

Ion Ratio Lower Upper

278 100

139 53.6 17.4 26.0#

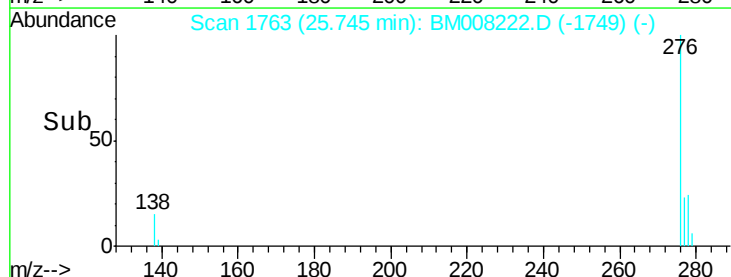
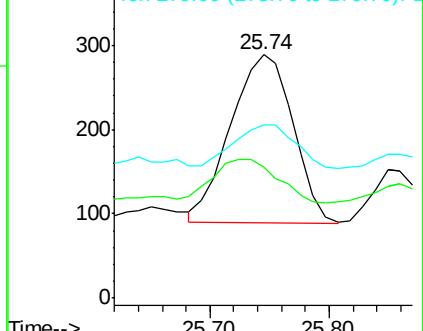
279 71.3 25.9 38.9#

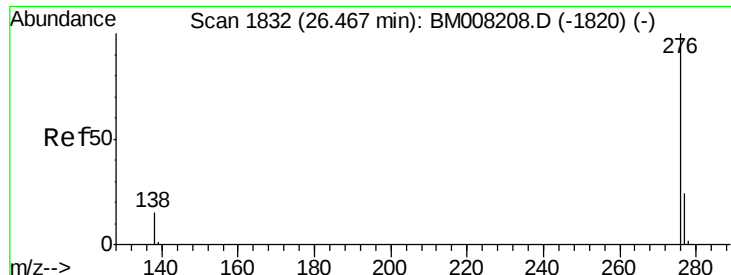


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.23 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. -0.03 min

Lab File: BM008222.D

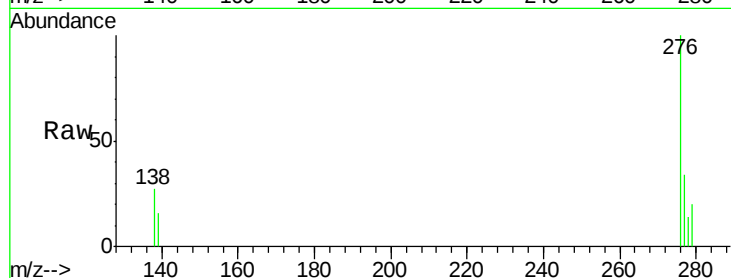
Acq: 10 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

DA7Y4DL



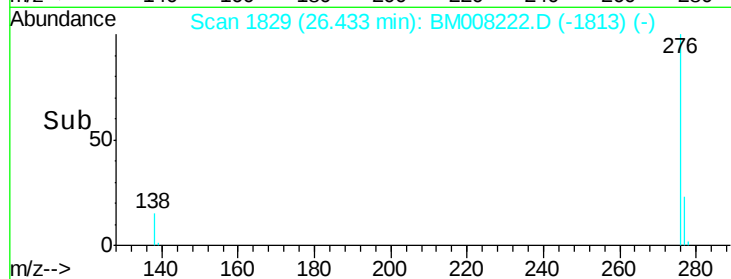
Tgt Ion: 276 Resp: 2008

Ion Ratio Lower Upper

276 100

277 33.9 21.8 32.8#

138 27.2 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

