

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008269.D
 Acq On : 12 Dec 2016 18:34
 Operator : UM/SJ
 Sample : H5905-07DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA807DL

Quant Time: Dec 13 02:32:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	543	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	1743	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1000	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1916	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1743	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1679	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	130	0.05	ng/ul	-0.01
14) Fluoranthene-d10	19.11	212	1570	0.29	ng/ul	-0.01

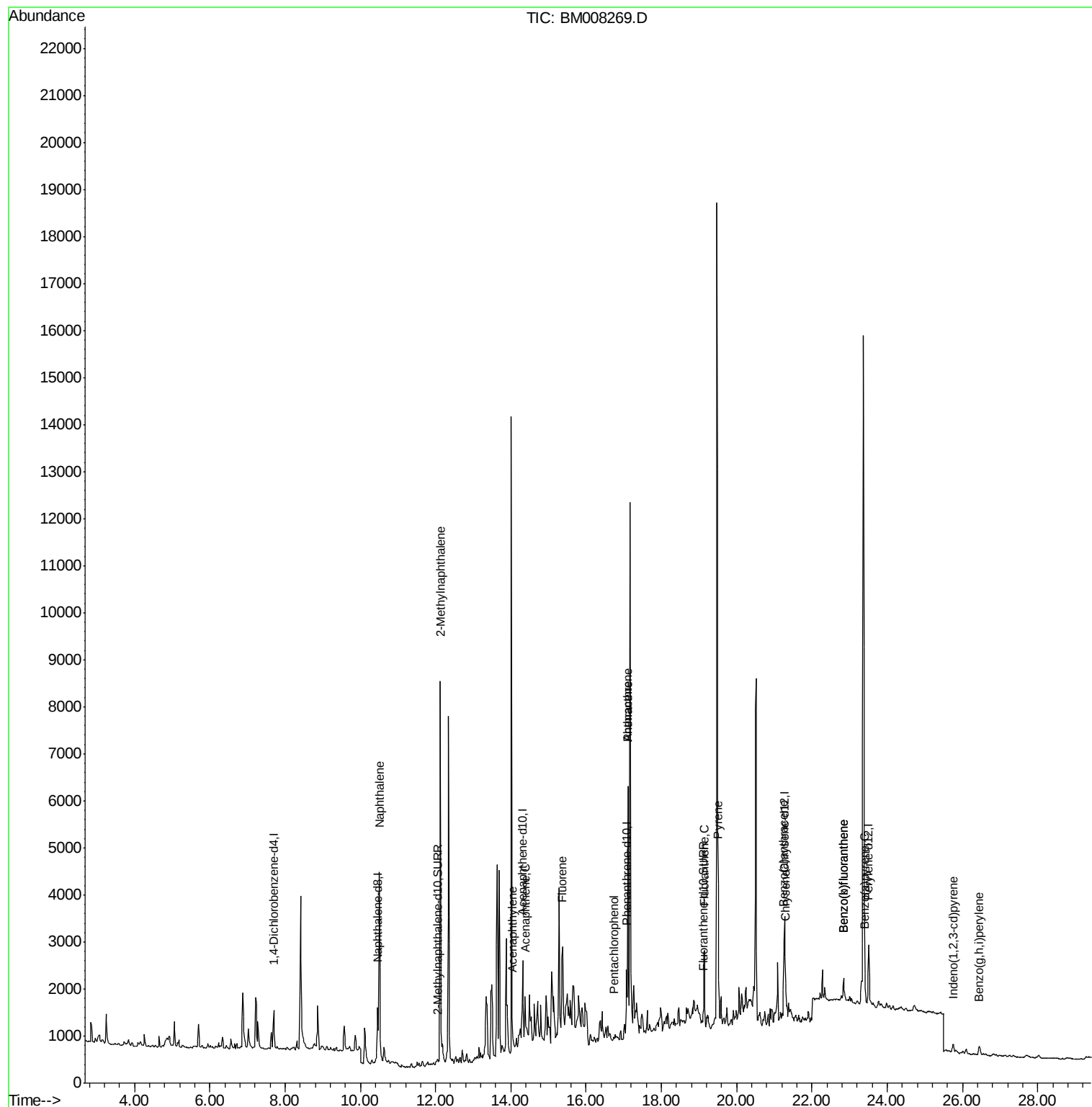
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	6202	1.27	ng/ul	97
5) 2-Methylnaphthalene	12.12	142	6087	1.94	ng/ul	99
7) Acenaphthylene	14.04	152	321	0.07	ng/ul#	1
8) Acenaphthene	14.38	153	619	0.18	ng/ul#	91
9) Fluorene	15.38	166	1440	0.36	ng/ul#	81
11) Pentachlorophenol	16.75	266	15	0.02	ng/ul#	68
12) Phenanthrene	17.11	178	6320	1.06	ng/ul	98
13) Anthracene	17.11	178	6110	1.09	ng/ul	100
15) Fluoranthene	19.14	202	2176	0.28	ng/ul	73
17) Pyrene	19.51	202	3517	0.58	ng/ul#	90
18) Benzo(a)anthracene	21.25	228	1090	0.20	ng/ul#	45
19) Chrysene	21.30	228	1199	0.18	ng/ul#	54
21) Benzo(b)fluoranthene	22.84	252	785	0.12	ng/ul#	8
22) Benzo(k)fluoranthene	22.84	252	785	0.11	ng/ul#	4
23) Benzo(a)pyrene	23.41	252	769	0.12	ng/ul#	40
24) Indeno(1,2,3-cd)pyrene	25.76	276	339	0.04	ng/ul#	86
26) Benzo(g,h,i)perylene	26.44	276	389	0.06	ng/ul#	39

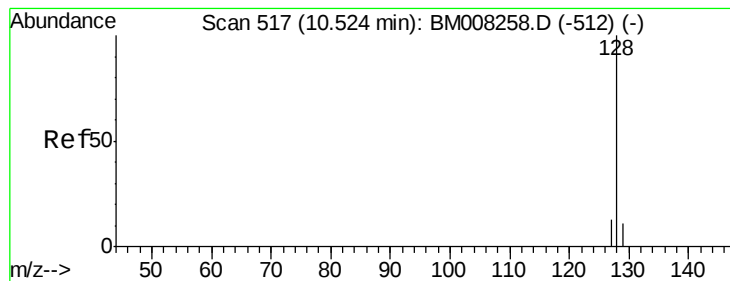
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.27 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL

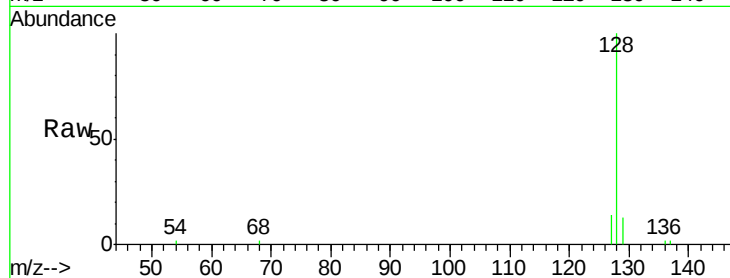
Tgt Ion:128 Resp: 6202

Ion Ratio Lower Upper

128 100

129 12.9 11.3 16.9

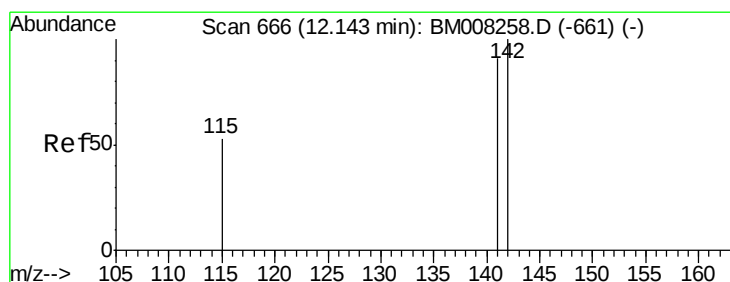
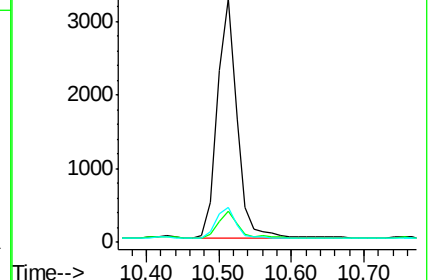
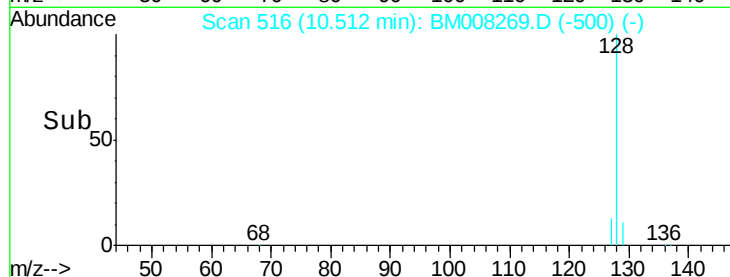
127 14.4 12.8 19.2



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: 1.94 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.02 min

Lab File: BM008269.D

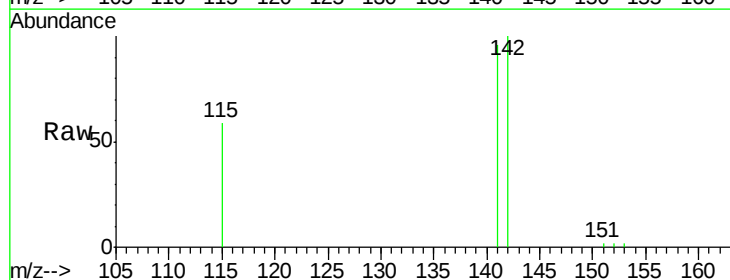
Acq: 12 Dec 2016 18:34

Tgt Ion:142 Resp: 6087

Ion Ratio Lower Upper

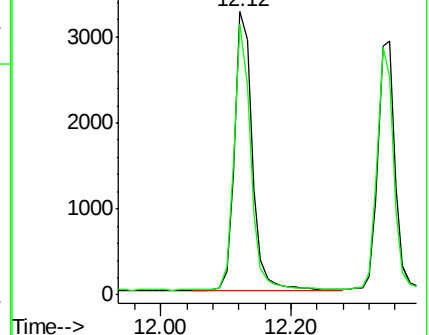
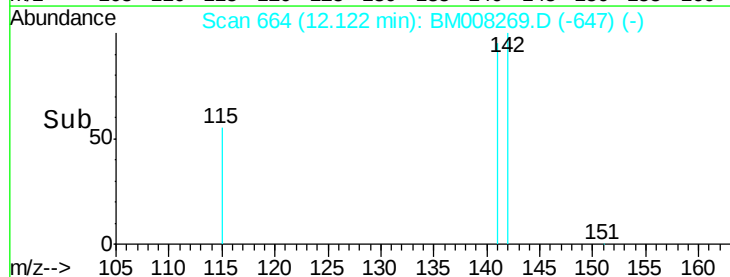
142 100

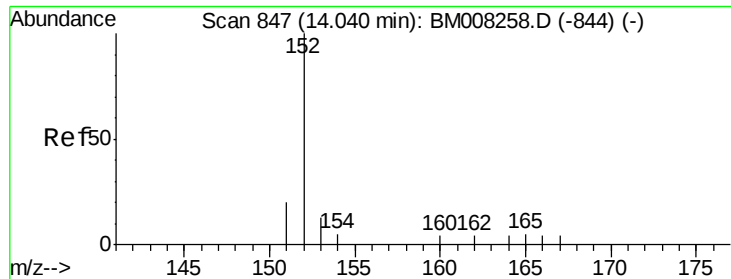
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL

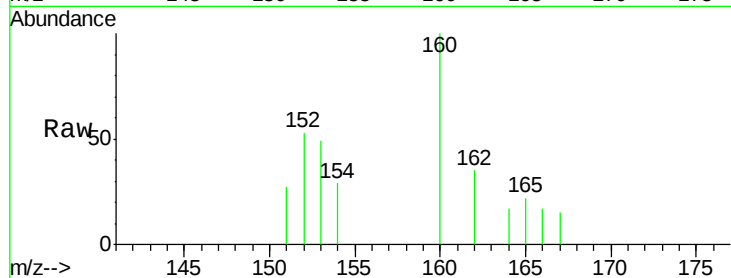
Tgt Ion:152 Resp: 321

Ion Ratio Lower Upper

152 100

151 50.5 17.1 25.7#

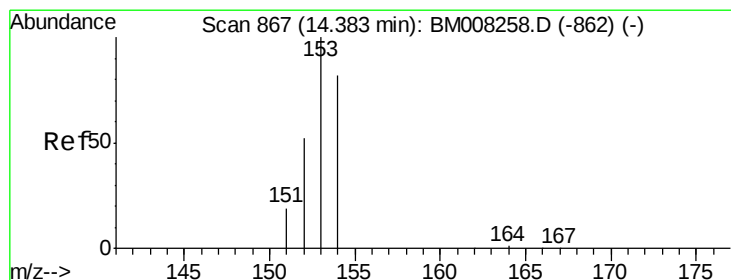
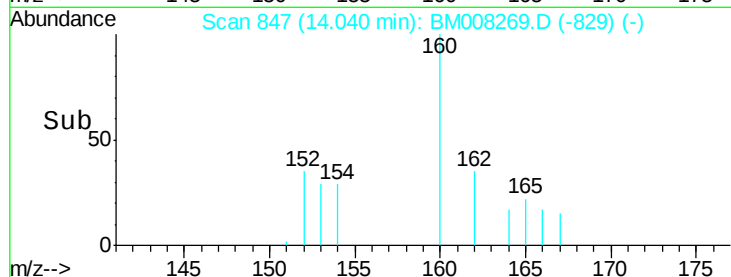
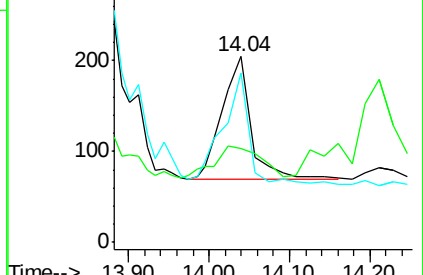
153 91.2 12.8 19.2#



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: 0.18 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

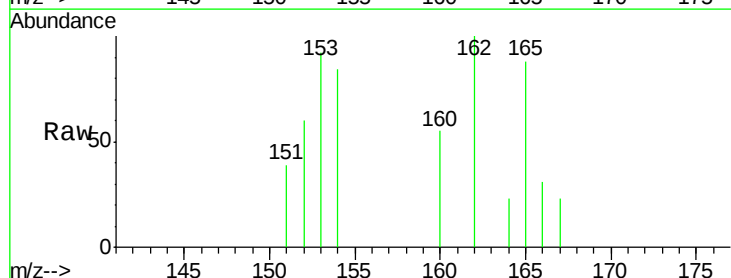
Tgt Ion:153 Resp: 619

Ion Ratio Lower Upper

153 100

152 65.0 40.3 60.5#

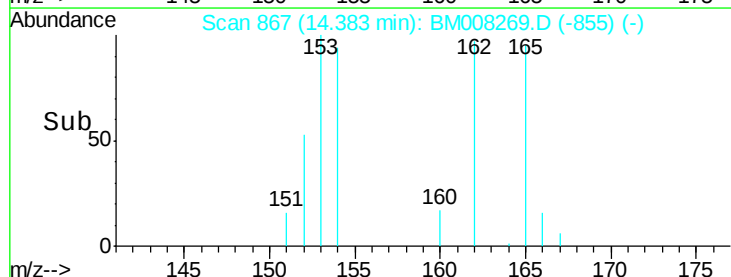
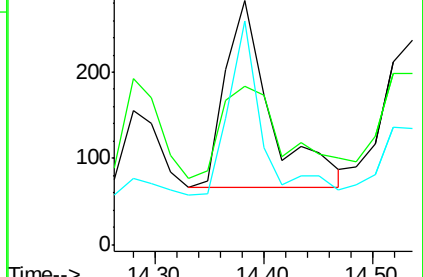
154 91.9 71.4 107.2

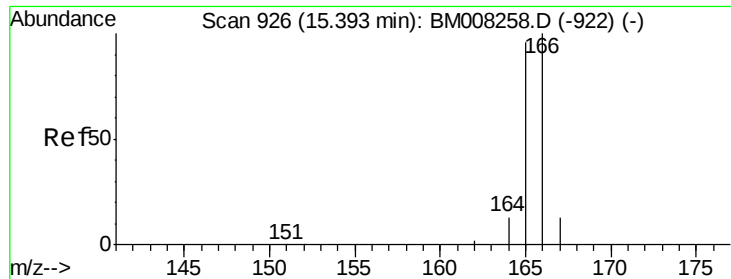


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

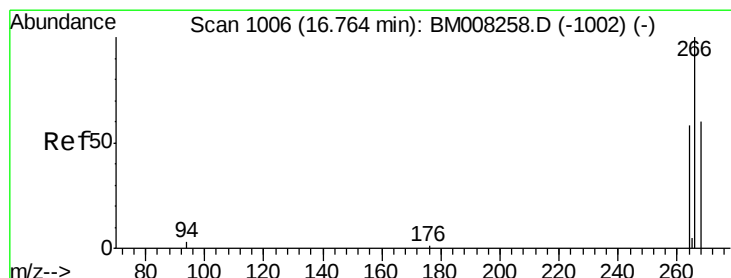
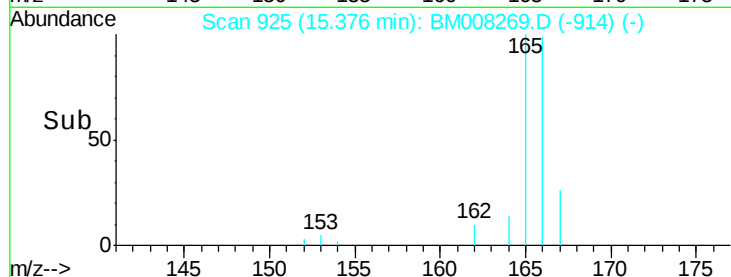
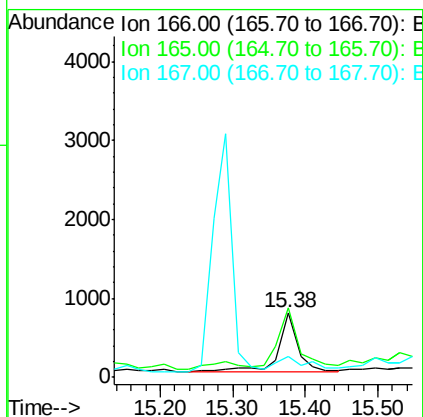
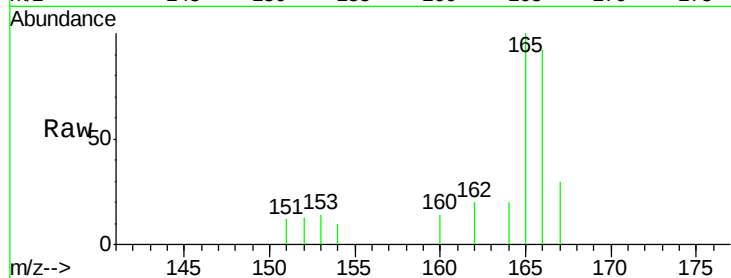




#9
Fluorene
 Concen: 0.36 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM008269.D
 Acq: 12 Dec 2016 18:34

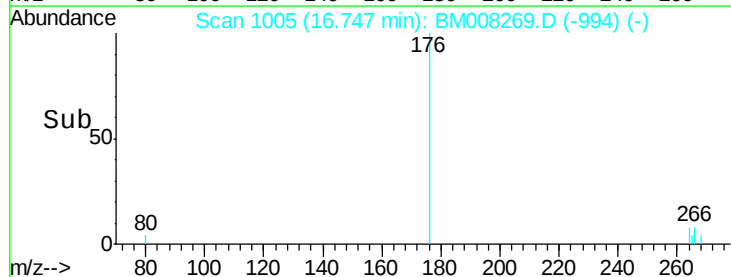
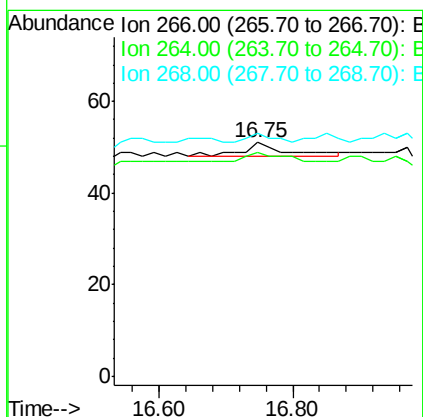
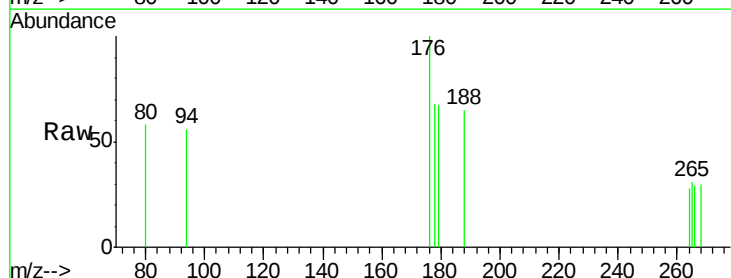
Instrument :
 BNA_M
 ClientSampleId :
 DA807DL

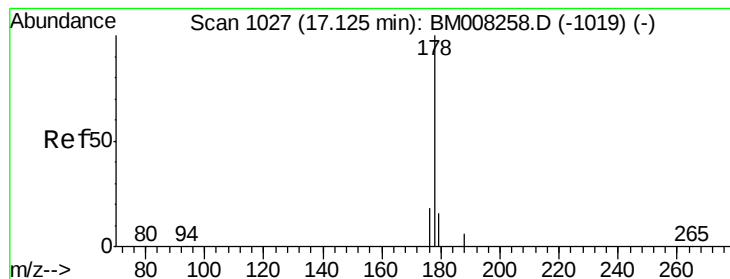
Tgt Ion:166 Resp: 1440
 Ion Ratio Lower Upper
 166 100
 165 108.2 73.4 110.2
 167 32.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BM008269.D
 Acq: 12 Dec 2016 18:34

Tgt Ion:266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 40.0 47.9 71.9#
 268 33.3 49.8 74.8#





#12

Phenanthrene

Concen: 1.06 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL

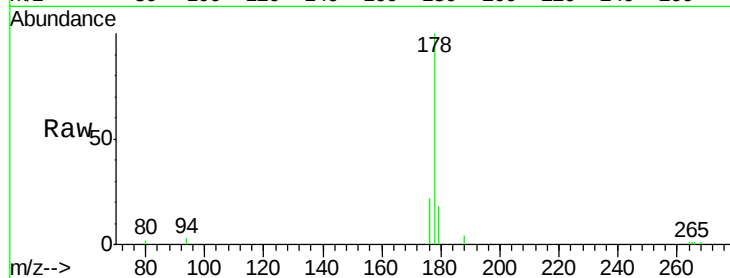
Tgt Ion:178 Resp: 6320

Ion Ratio Lower Upper

178 100

176 22.4 18.4 27.6

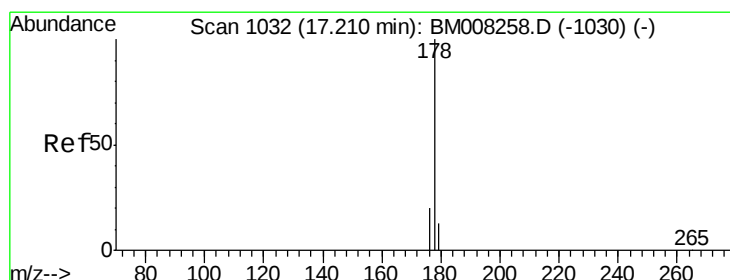
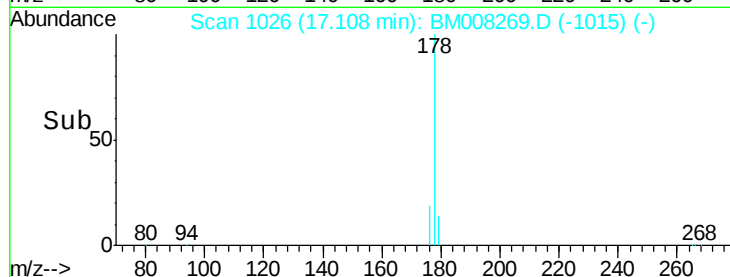
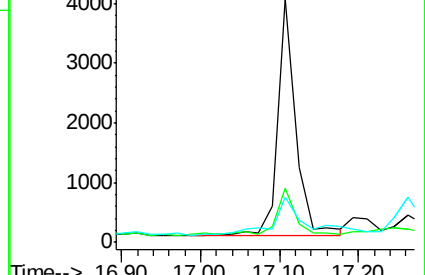
179 18.4 13.6 20.4



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: 1.09 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.10 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

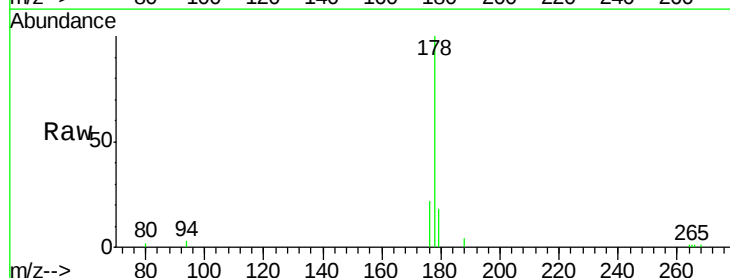
Tgt Ion:178 Resp: 6110

Ion Ratio Lower Upper

178 100

176 22.4 18.1 27.1

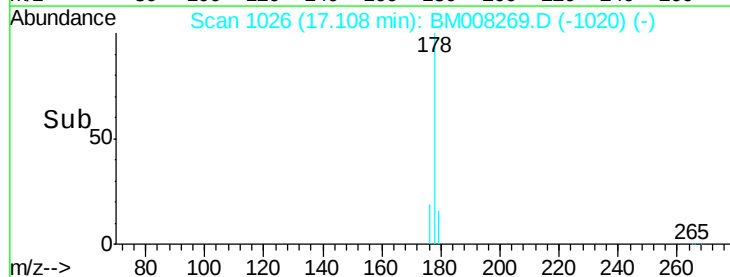
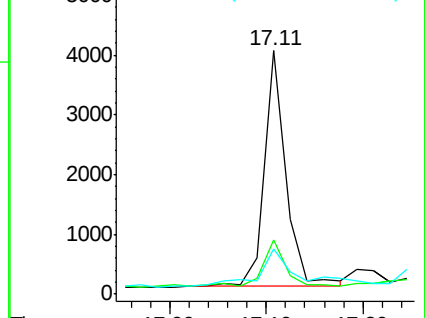
179 18.4 14.7 22.1

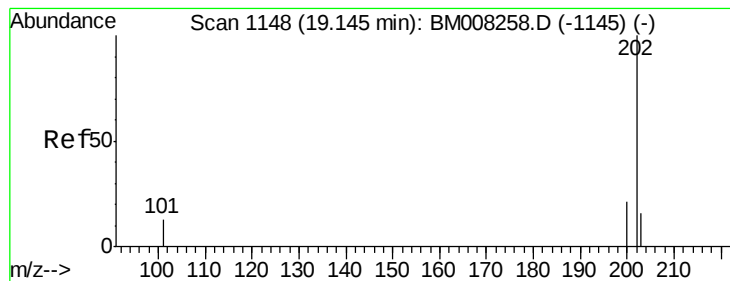


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.28 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL

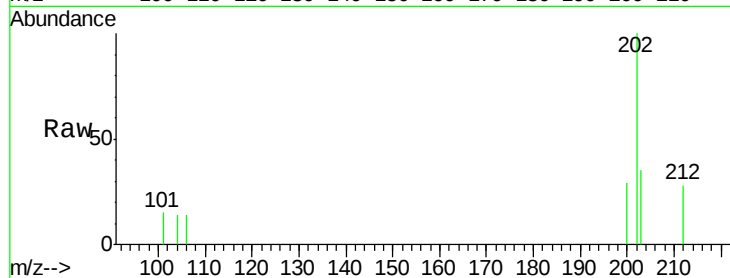
Tgt Ion:202 Resp: 2176

Ion Ratio Lower Upper

202 100

101 15.4 0.0 30.3

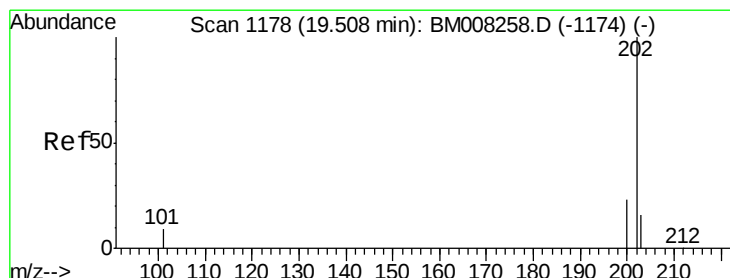
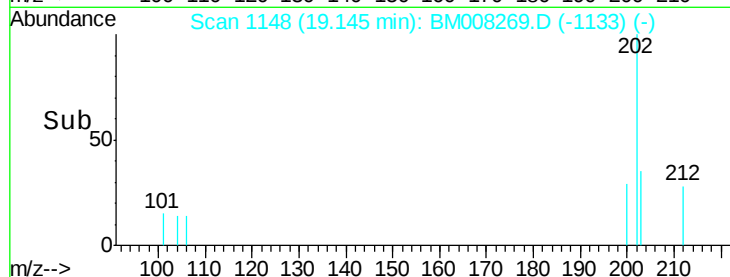
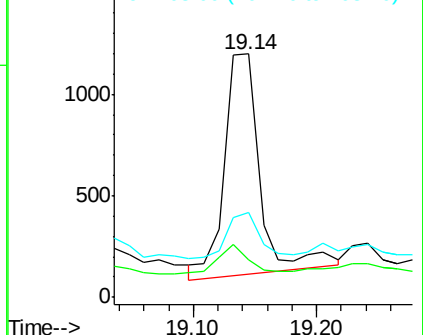
203 34.9 0.0 39.5



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: 0.58 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

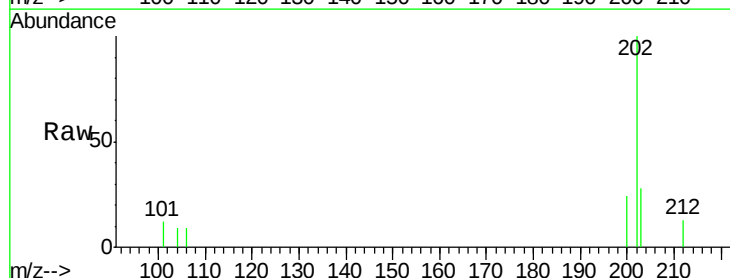
Tgt Ion:202 Resp: 3517

Ion Ratio Lower Upper

202 100

200 23.8 18.2 27.4

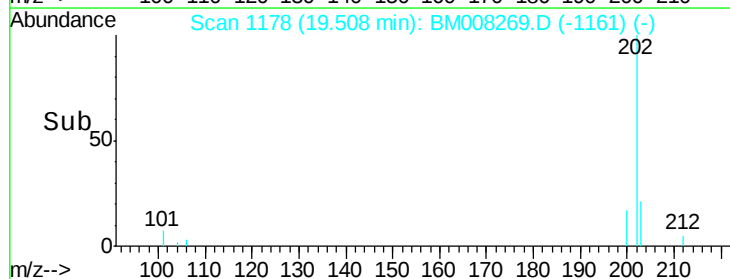
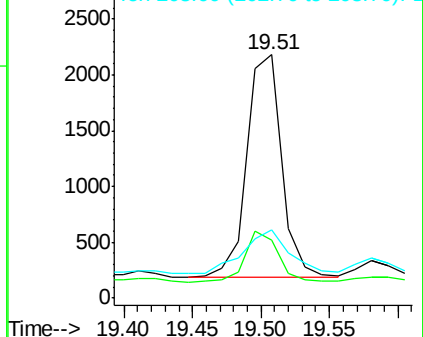
203 27.9 15.6 23.4#

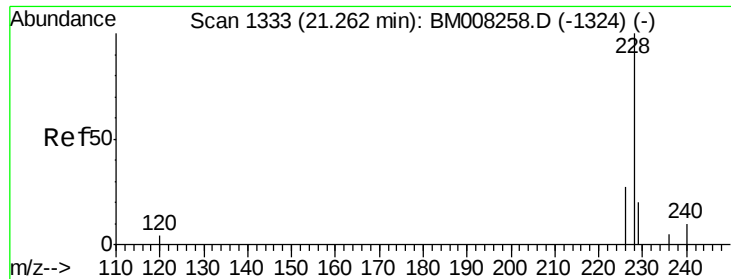


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL

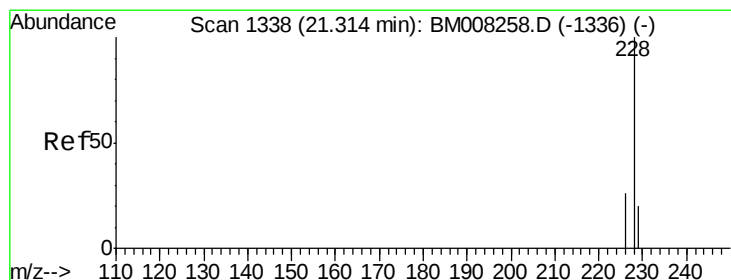
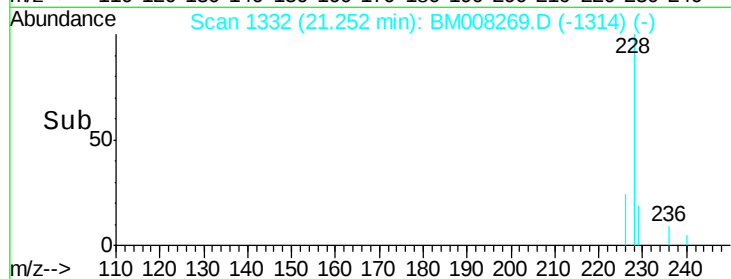
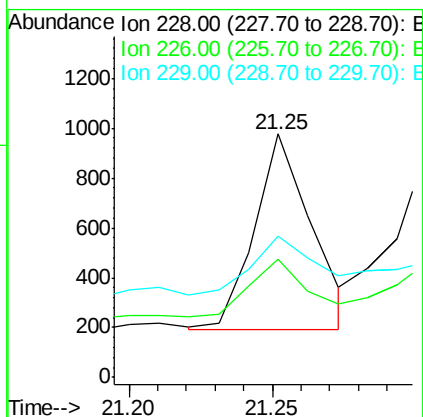
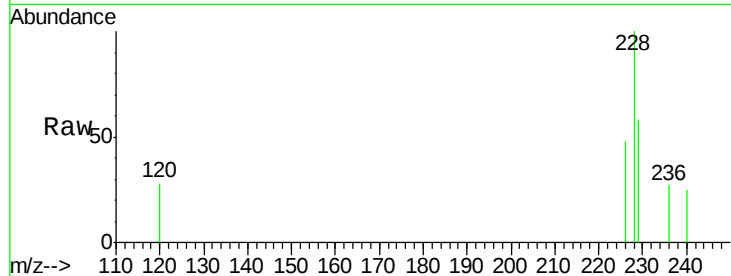
Tgt Ion:228 Resp: 1090

Ion Ratio Lower Upper

228 100

226 48.4 22.8 34.2#

229 58.1 17.0 25.6#



#19

Chrysene

Concen: 0.18 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

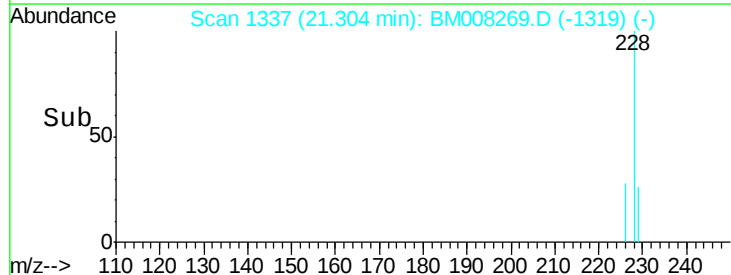
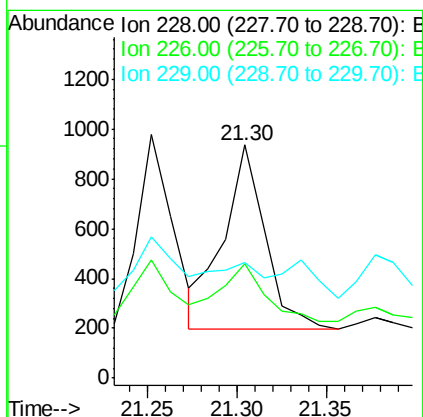
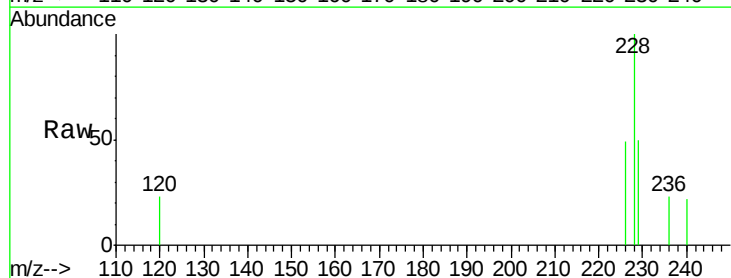
Tgt Ion:228 Resp: 1199

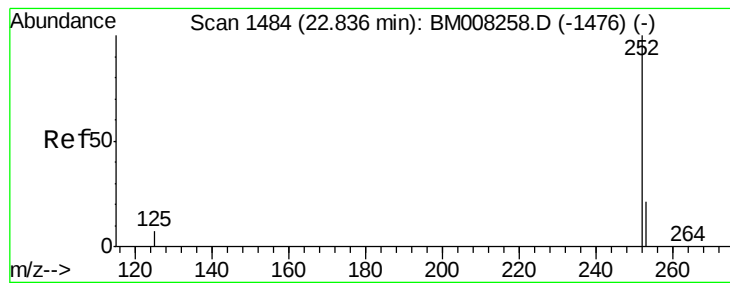
Ion Ratio Lower Upper

228 100

226 49.3 23.4 35.0#

229 49.8 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

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DA807DL

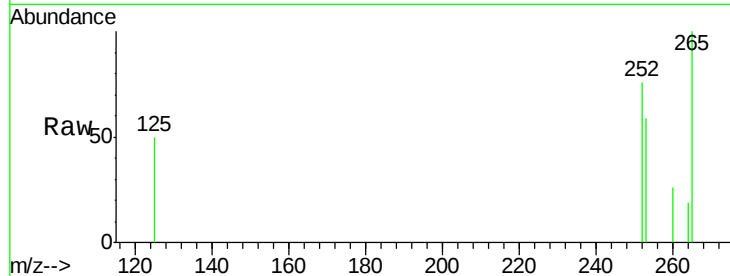
Tgt Ion:252 Resp: 785

Ion Ratio Lower Upper

252 100

253 78.1 0.0 64.2#

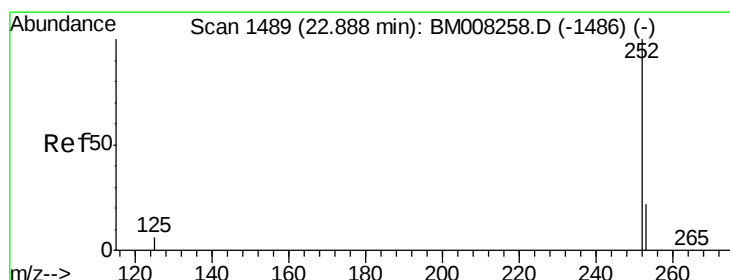
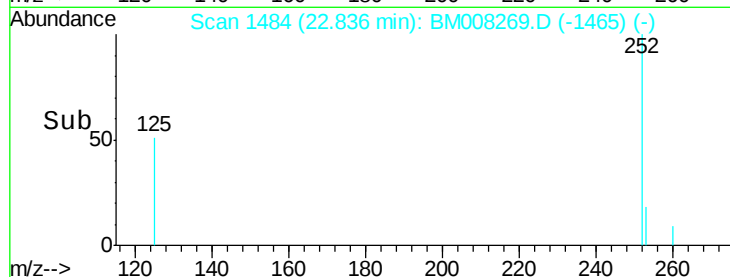
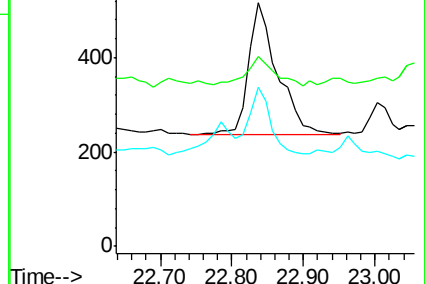
125 65.5 0.0 35.0#



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: 0.11 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

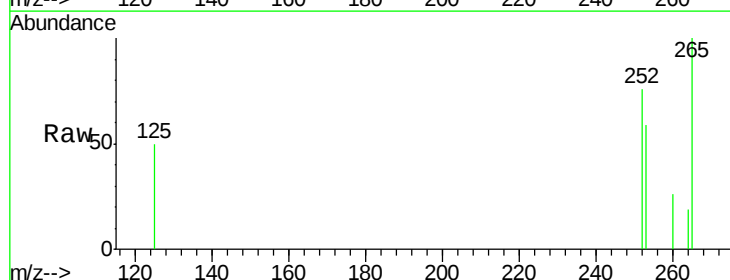
Tgt Ion:252 Resp: 785

Ion Ratio Lower Upper

252 100

253 78.1 24.5 36.7#

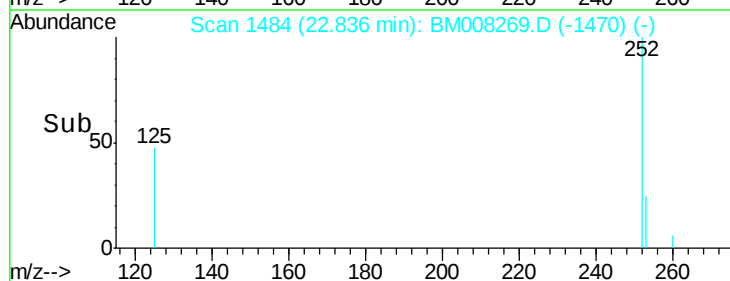
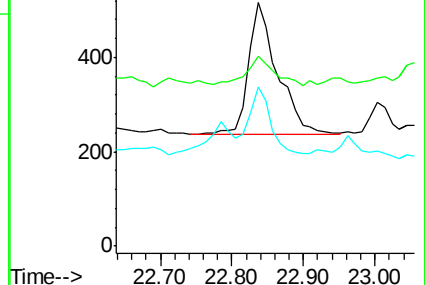
125 65.5 13.7 20.5#

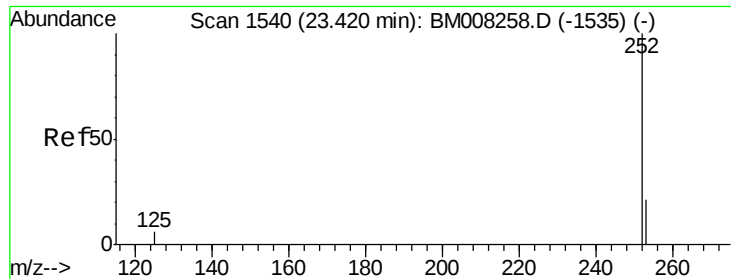


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL

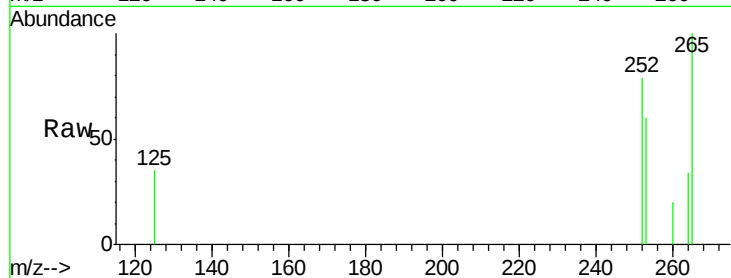
Tgt Ion: 252 Resp: 769

Ion Ratio Lower Upper

252 100

253 76.6 28.5 42.7#

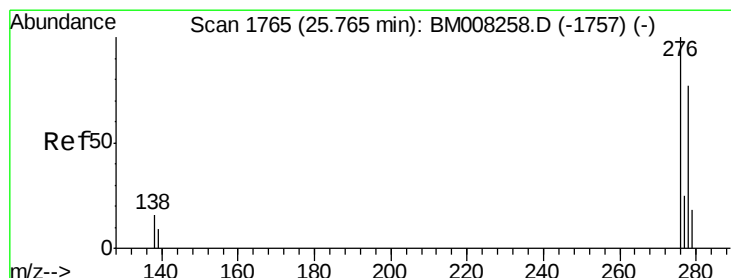
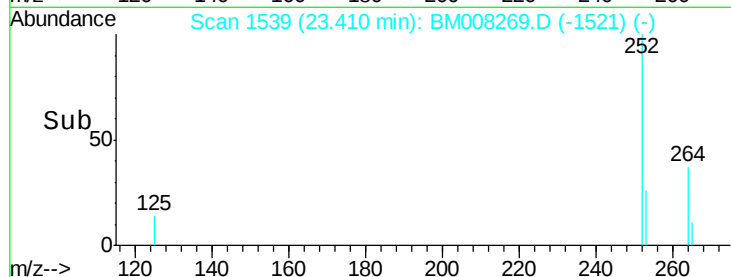
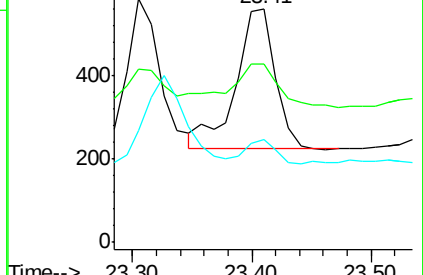
125 44.0 18.1 27.1#



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: 0.04 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008269.D

Acq: 12 Dec 2016 18:34

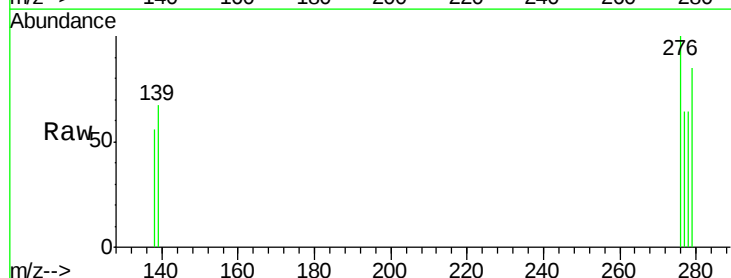
Tgt Ion: 276 Resp: 339

Ion Ratio Lower Upper

276 100

138 13.9 19.1 28.7#

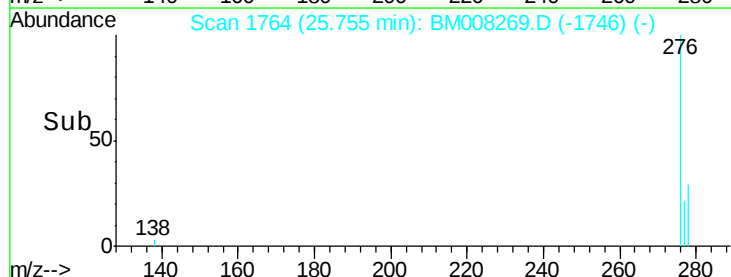
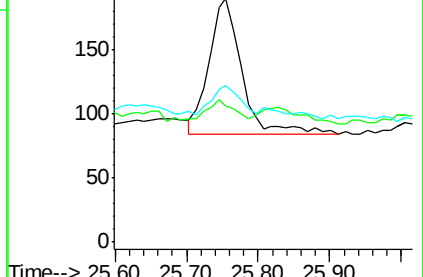
277 20.4 19.6 29.4

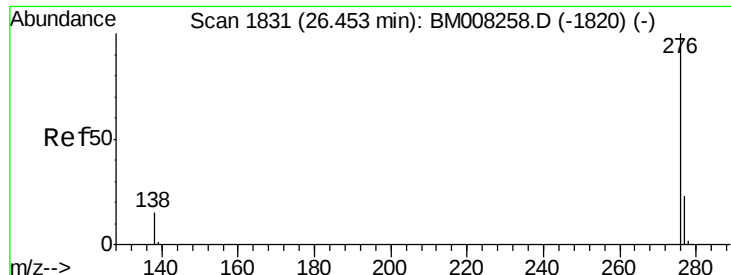


Abundance Ion 276.00 (275.70 to 276.70): E

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: 0.06 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM008269.D

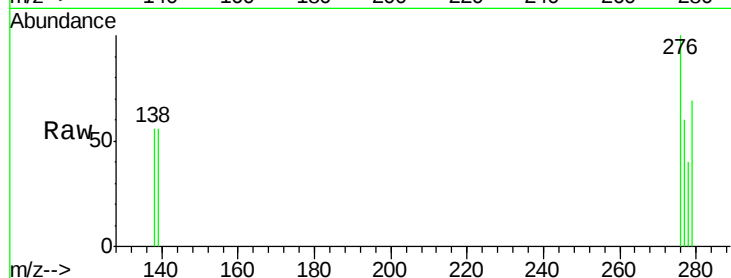
Acq: 12 Dec 2016 18:34

Instrument :

BNA_M

ClientSampleId :

DA807DL



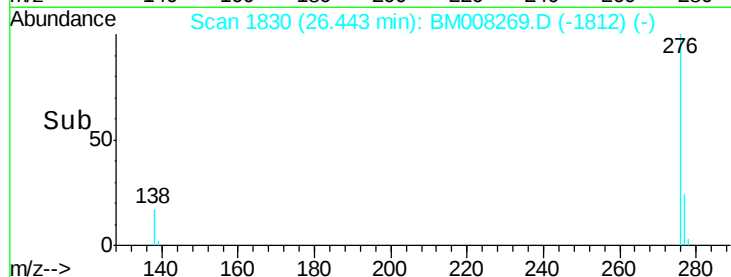
Tgt Ion: 276 Resp: 389

Ion Ratio Lower Upper

276 100

277 59.6 21.8 32.8#

138 56.2 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

