

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008509.D
 Acq On : 21 Dec 2016 10:18
 Operator : UM/SJ
 Sample : H5996-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8Q7

Quant Time: Dec 22 00:09:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:00:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	240	0.40	ng/ul	0.02
2) Naphthalene-d8	10.51	136	913	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.31	164	508	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	906	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	904	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	911	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.09	152	460	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	932	0.37	ng/ul	0.00

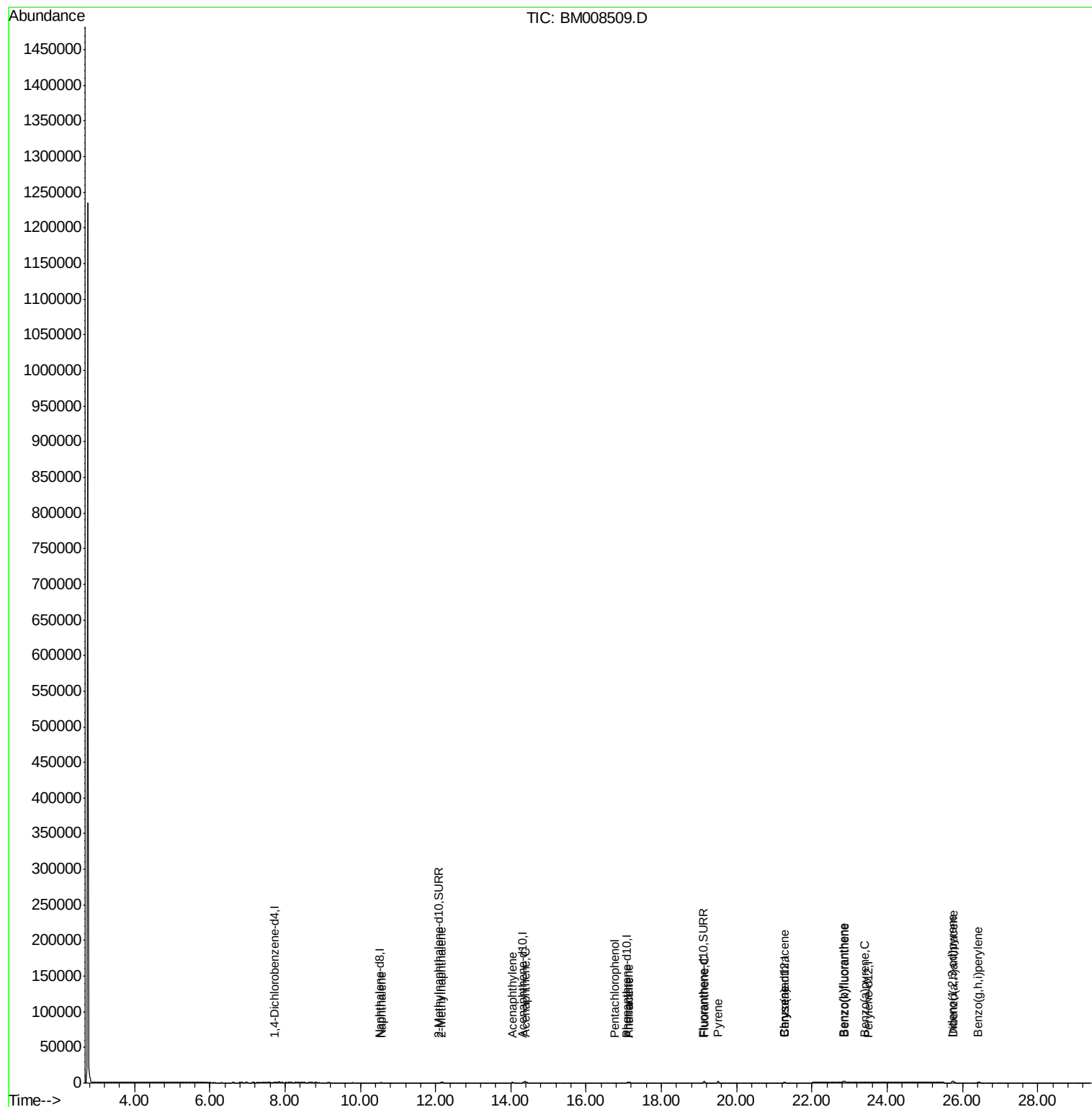
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	1113	0.43	ng/ul#	68
5) 2-Methylnaphthalene	12.16	142	1554	0.90	ng/ul	100
7) Acenaphthylene	14.04	152	1330	0.58	ng/ul#	86
8) Acenaphthene	14.38	153	2455	1.42	ng/ul	96
11) Pentachlorophenol	16.76	266	358	1.27	ng/ul	95
12) Phenanthrene	17.12	178	1758	0.64	ng/ul#	88
13) Anthracene	17.12	178	1923	0.72	ng/ul#	89
15) Fluoranthene	19.13	202	3491	1.03	ng/ul	100
17) Pyrene	19.51	202	2906	0.83	ng/ul	97
18) Benzo(a)anthracene	21.26	228	1738	0.59	ng/ul	95
19) Chrysene	21.26	228	1753	0.54	ng/ul	96
21) Benzo(b)fluoranthene	22.83	252	2725	0.76	ng/ul	93
22) Benzo(k)fluoranthene	22.87	252	3469	0.99	ng/ul#	93
23) Benzo(a)pyrene	23.41	252	1741	0.52	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.73	276	3424	0.86	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.74	278	3381	1.07	ng/ul#	95
26) Benzo(g,h,i)perylene	26.42	276	3756	1.10	ng/ul#	92

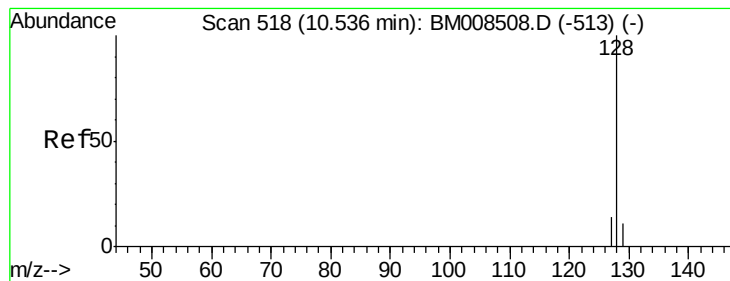
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.43 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. 0.02 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7

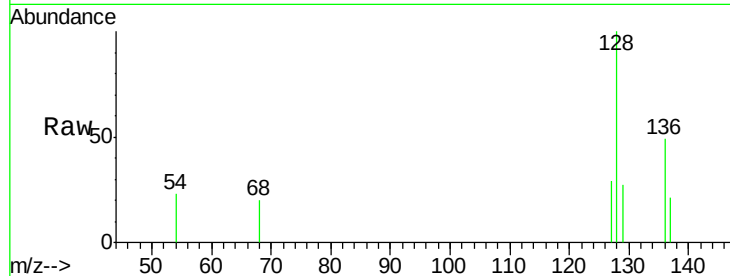
Tgt Ion:128 Resp: 1113

Ion Ratio Lower Upper

128 100

129 27.2 11.3 16.9#

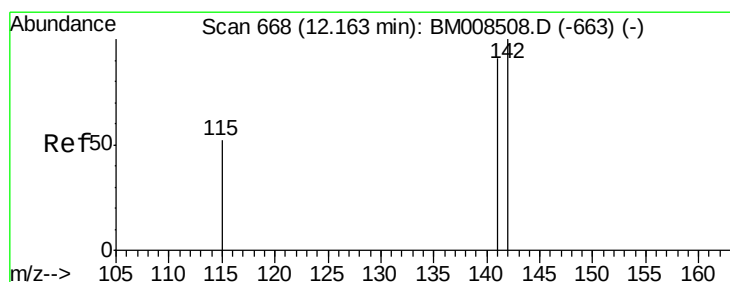
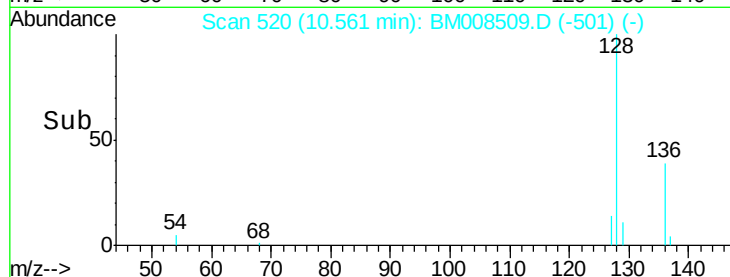
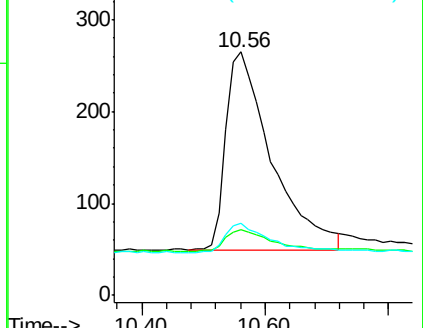
127 29.4 12.8 19.2#



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: 0.90 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM008509.D

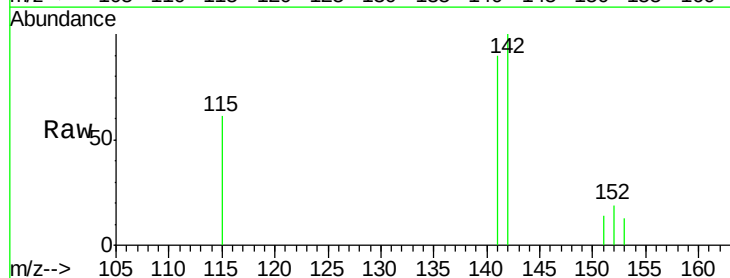
Acq: 21 Dec 2016 10:18

Tgt Ion:142 Resp: 1554

Ion Ratio Lower Upper

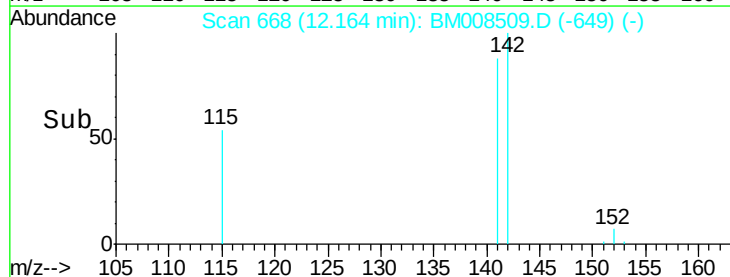
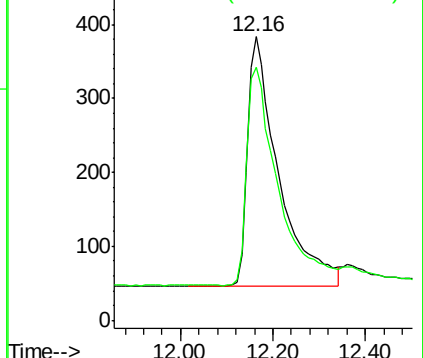
142 100

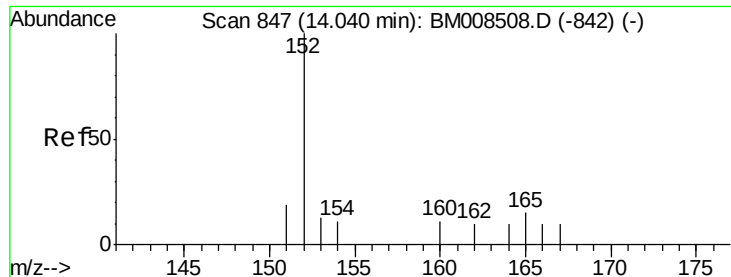
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.58 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7

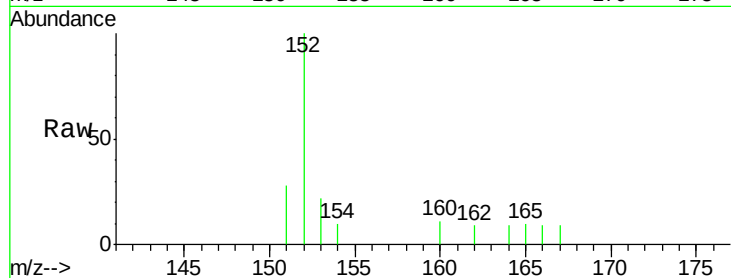
Tgt Ion:152 Resp: 1330

Ion Ratio Lower Upper

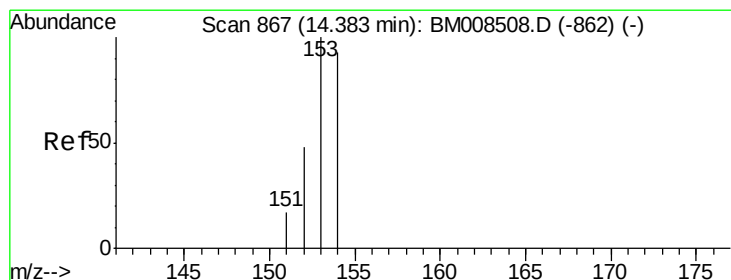
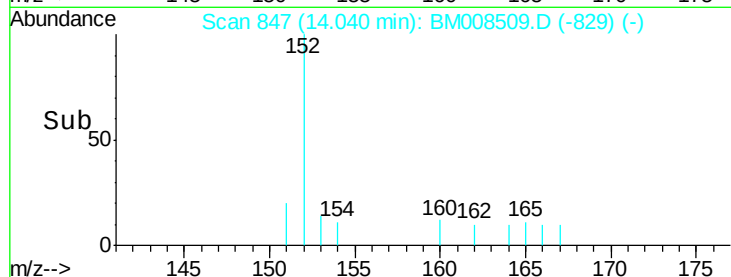
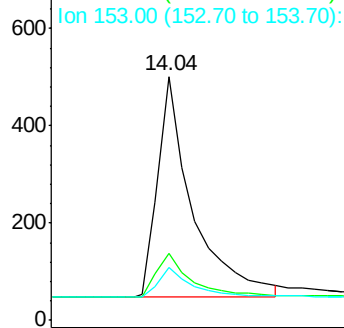
152 100

151 27.7 17.1 25.7#

153 22.0 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 1.42 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

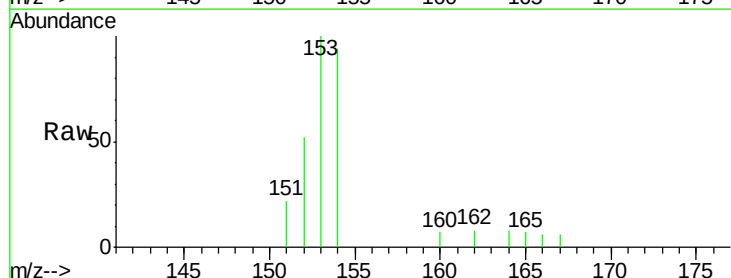
Tgt Ion:153 Resp: 2455

Ion Ratio Lower Upper

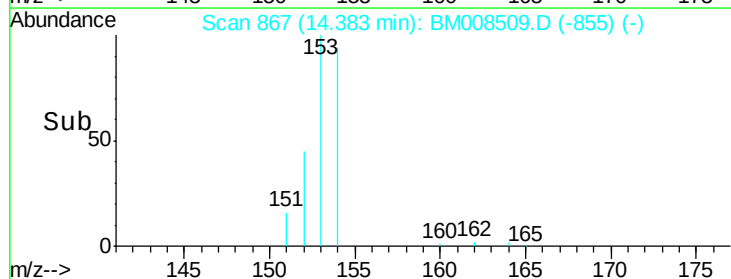
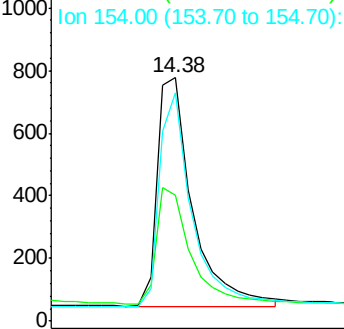
153 100

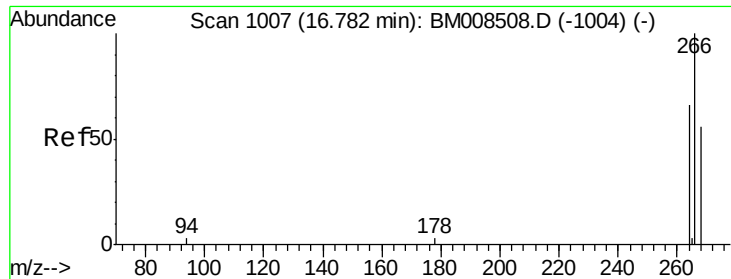
152 51.6 40.3 60.5

154 93.7 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E

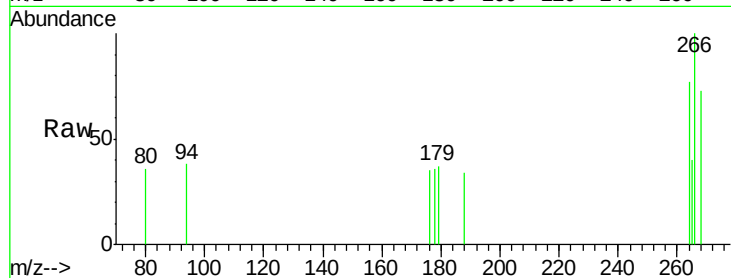




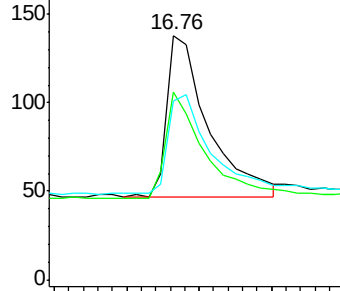
#11
 Pentachlorophenol
 Concen: 1.27 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BM008509.D
 Acq: 21 Dec 2016 10:18

Instrument :
 BNA_M
 ClientSampleId :
 DA8Q7

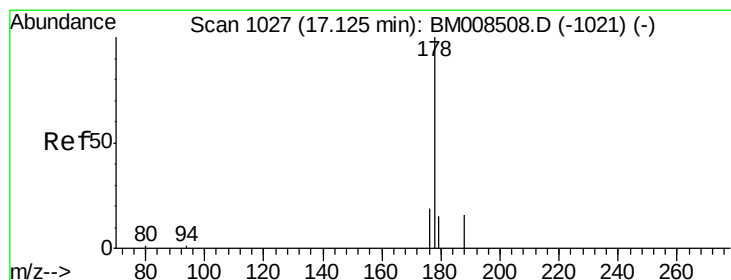
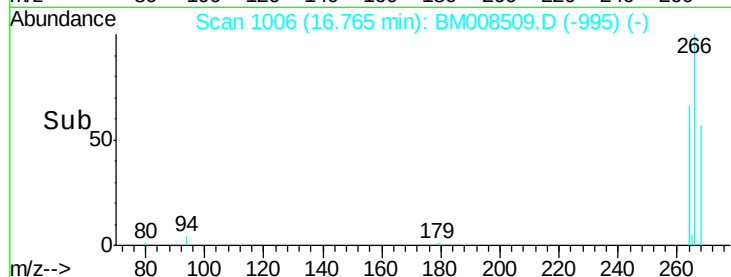
Tgt Ion: 266 Resp: 358
 Ion Ratio Lower Upper
 266 100
 264 63.7 47.9 71.9
 268 66.5 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

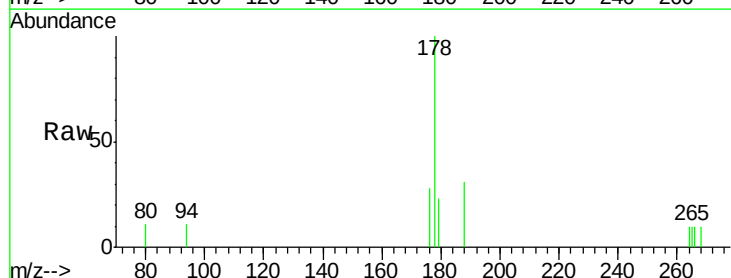


Time--> 16.60 16.70 16.80 16.90

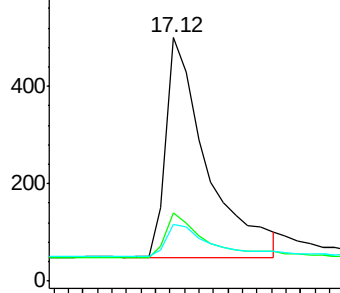


#12
 Phenanthrene
 Concen: 0.64 ng/ul
 RT: 17.12 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BM008509.D
 Acq: 21 Dec 2016 10:18

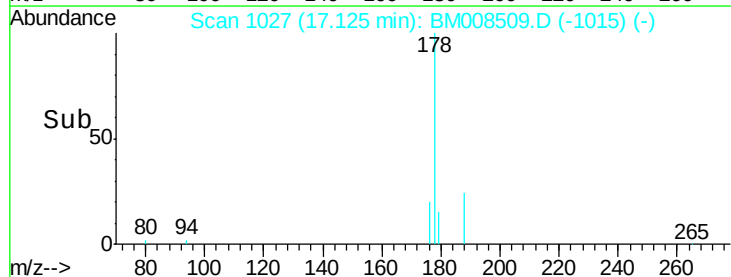
Tgt Ion: 178 Resp: 1758
 Ion Ratio Lower Upper
 178 100
 176 27.8 18.4 27.6#
 179 23.2 13.6 20.4#

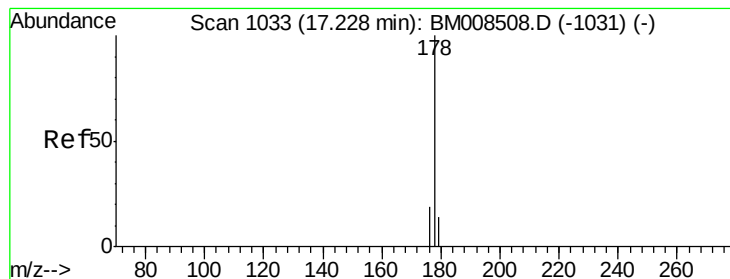


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time--> 17.00 17.10 17.20 17.30





#13

Anthracene

Concen: 0.72 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.10 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7

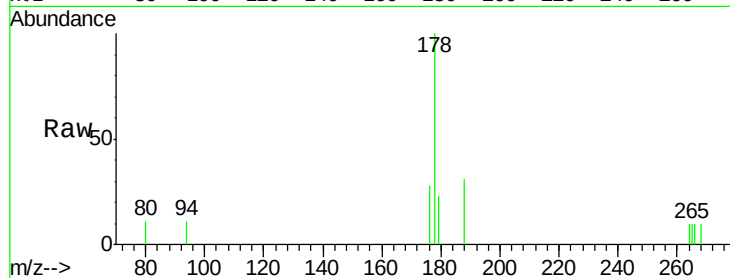
Tgt Ion:178 Resp: 1923

Ion Ratio Lower Upper

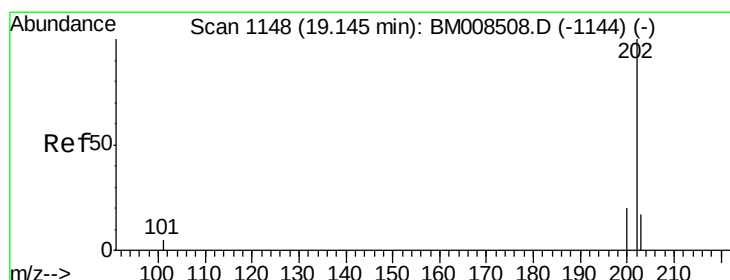
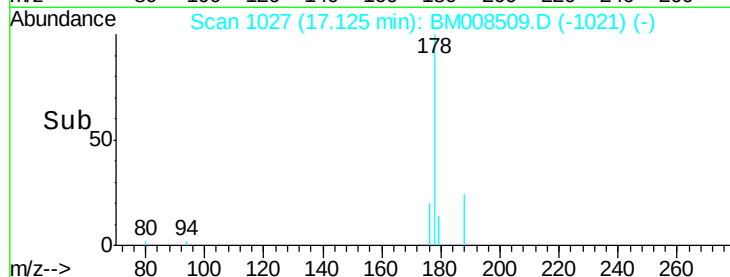
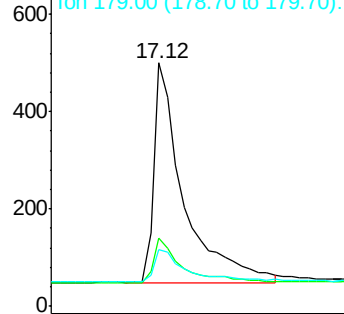
178 100

176 27.8 18.1 27.1#

179 23.2 14.7 22.1#



Abundance Ion 178.00 (177.70 to 178.70): E



#15

Fluoranthene

Concen: 1.03 ng/ul

RT: 19.13 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

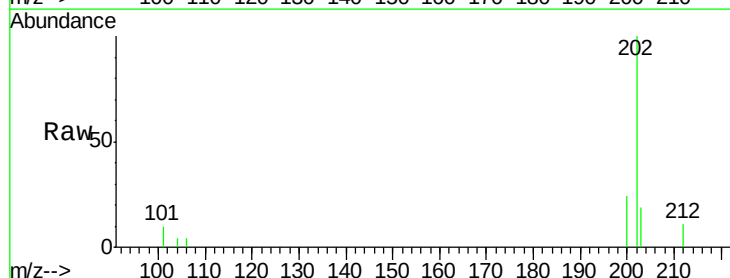
Tgt Ion:202 Resp: 3491

Ion Ratio Lower Upper

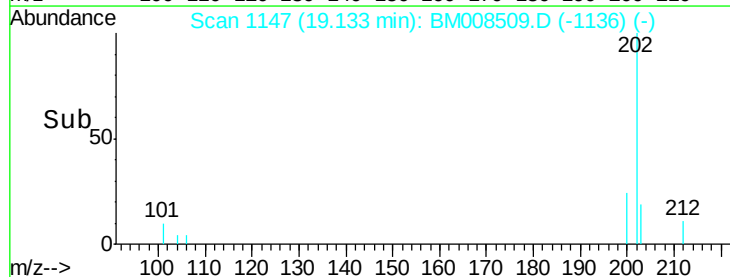
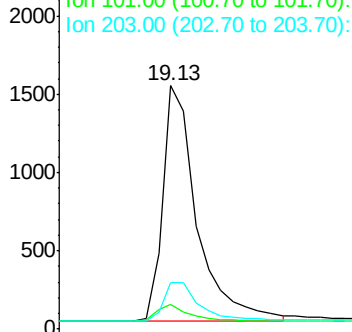
202 100

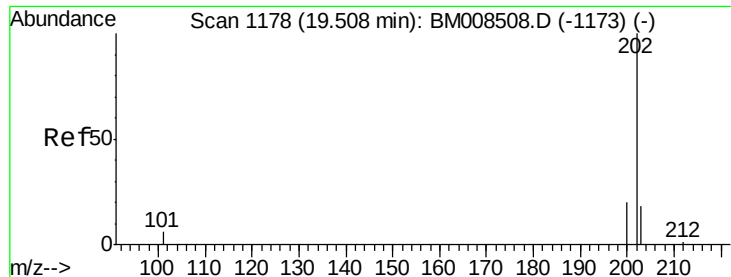
101 10.1 0.0 30.3

203 19.3 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

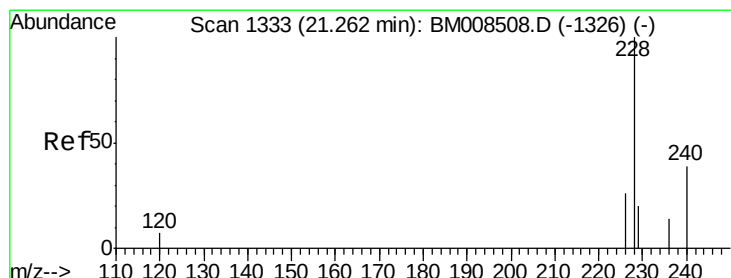
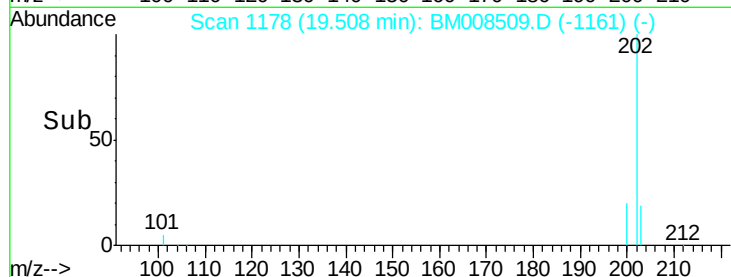
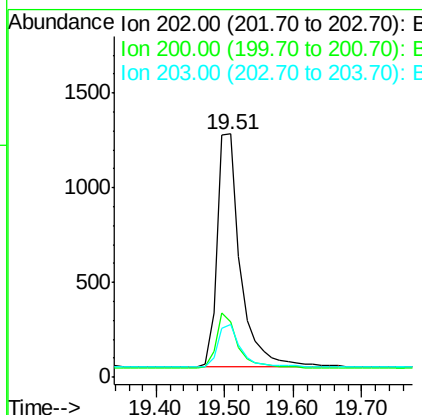
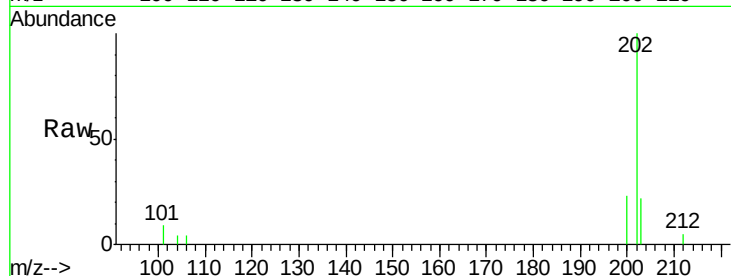




#17
 Pyrene
 Concen: 0.83 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BM008509.D
 Acq: 21 Dec 2016 10:18

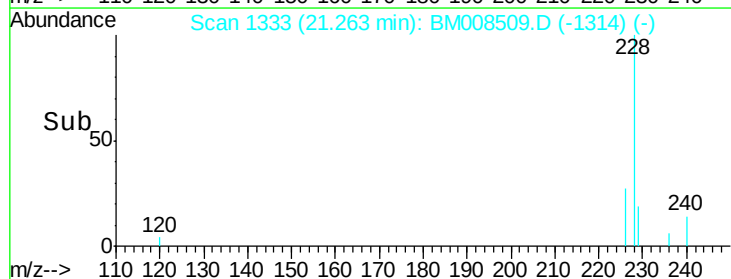
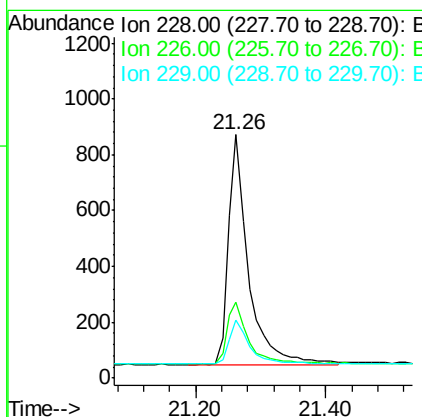
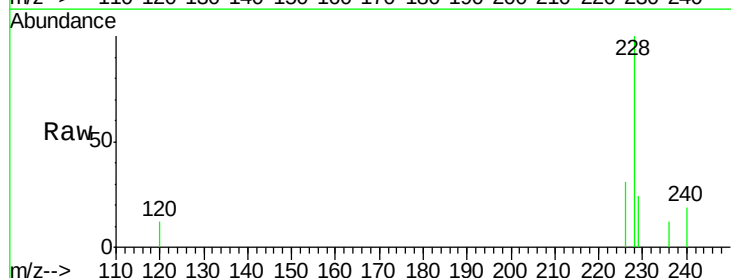
Instrument :
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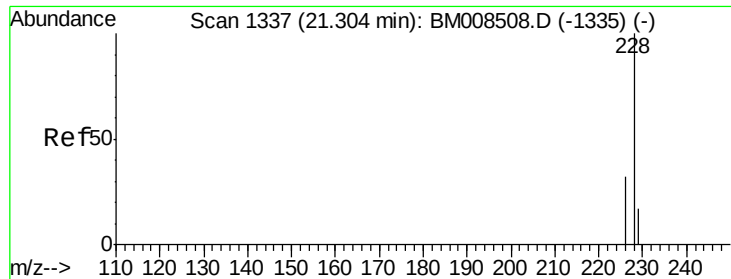
Tgt Ion: 202 Resp: 2906
 Ion Ratio Lower Upper
 202 100
 200 23.0 18.2 27.4
 203 21.9 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 0.59 ng/ul
 RT: 21.26 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: BM008509.D
 Acq: 21 Dec 2016 10:18

Tgt Ion: 228 Resp: 1738
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.8 34.2
 229 23.9 17.0 25.6





#19

Chrysene

Concen: 0.54 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.04 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7

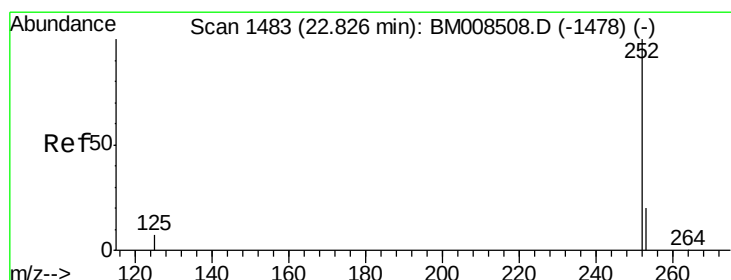
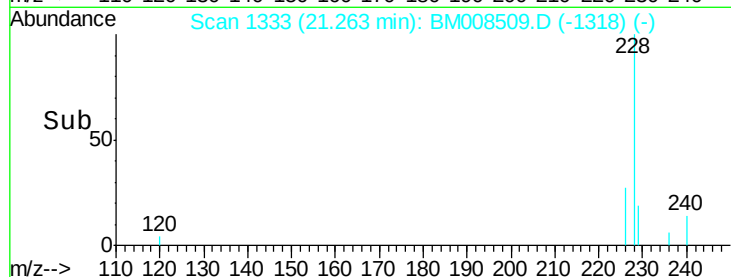
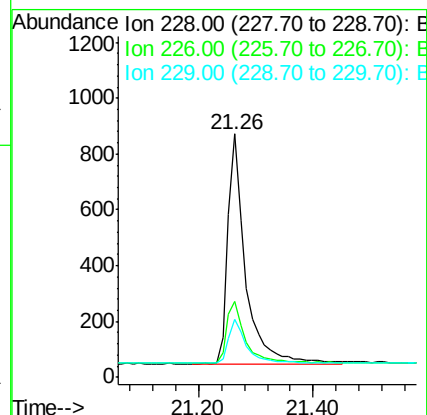
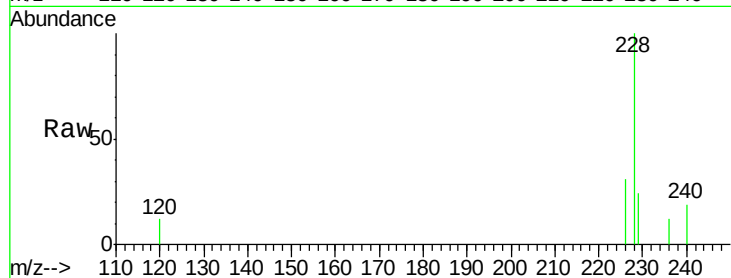
Tgt Ion:228 Resp: 1753

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

229 23.9 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.76 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

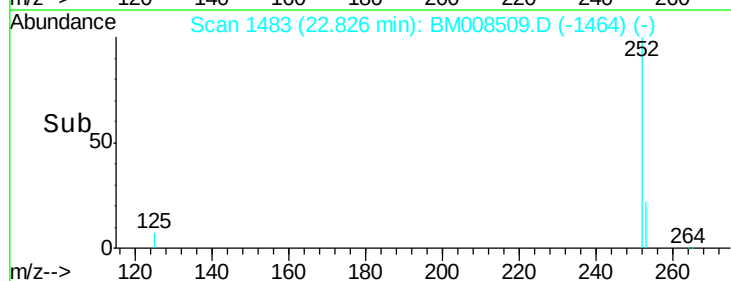
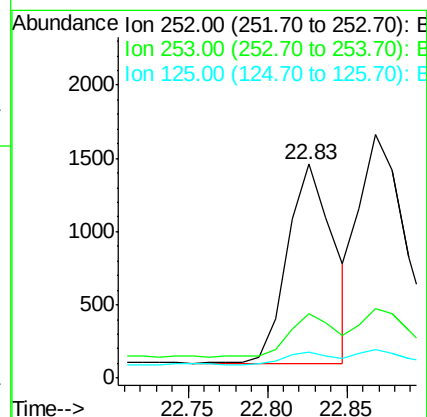
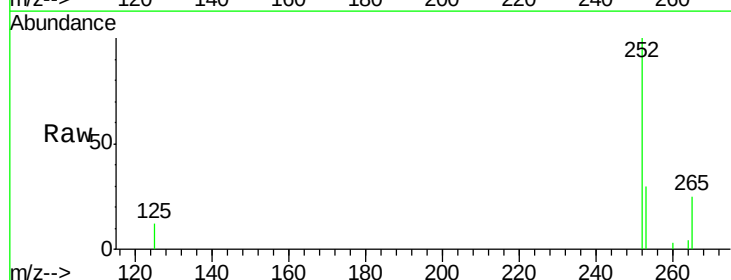
Tgt Ion:252 Resp: 2725

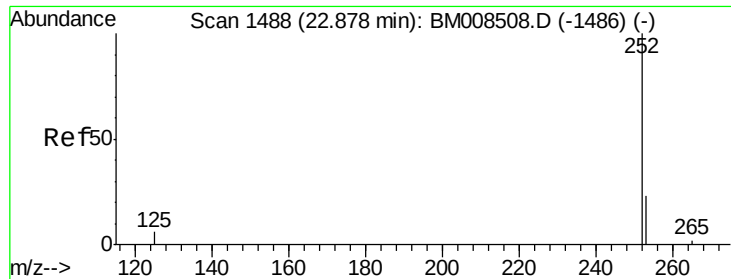
Ion Ratio Lower Upper

252 100

253 30.1 0.0 64.2

125 12.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.99 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7

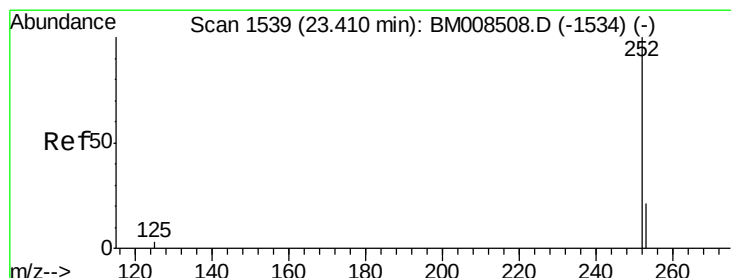
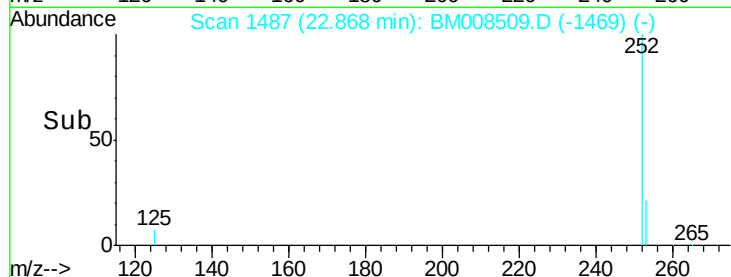
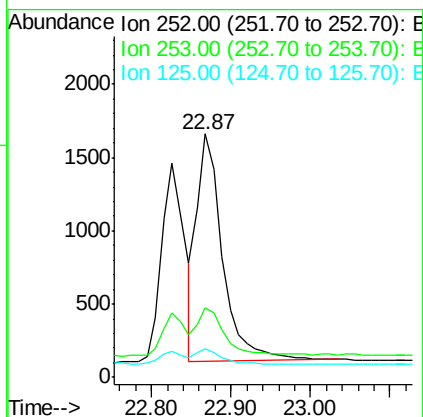
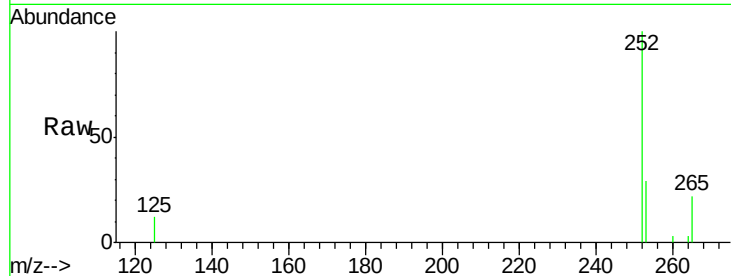
Tgt Ion:252 Resp: 3469

Ion Ratio Lower Upper

252 100

253 28.7 24.5 36.7

125 11.6 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.52 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

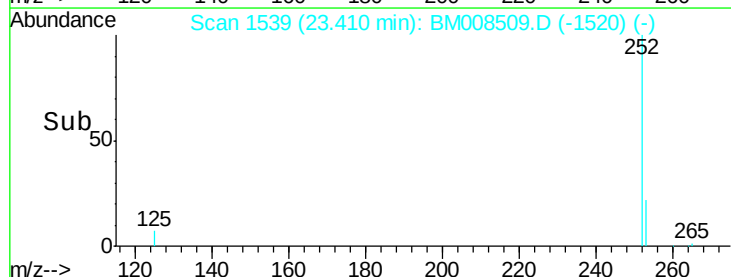
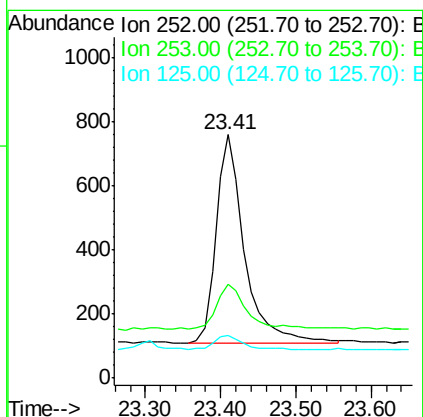
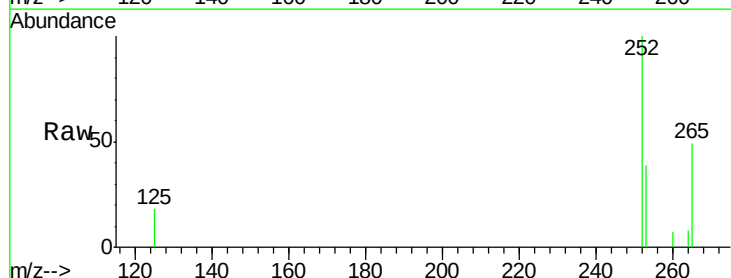
Tgt Ion:252 Resp: 1741

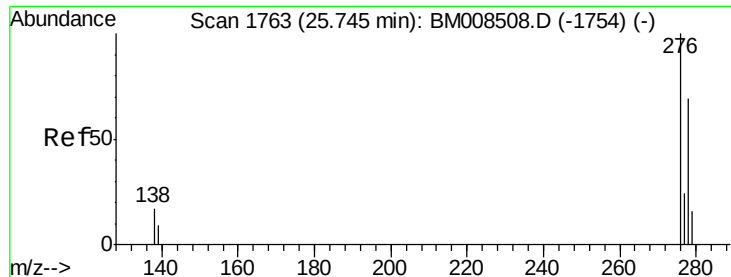
Ion Ratio Lower Upper

252 100

253 38.5 28.5 42.7

125 17.7 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.86 ng/ul

RT: 25.73 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7

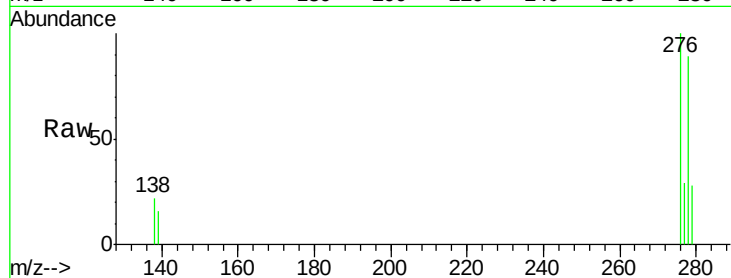
Tgt Ion:276 Resp: 3424

Ion Ratio Lower Upper

276 100

138 17.6 19.1 28.7#

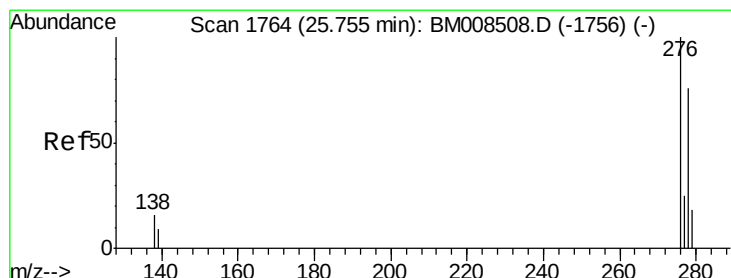
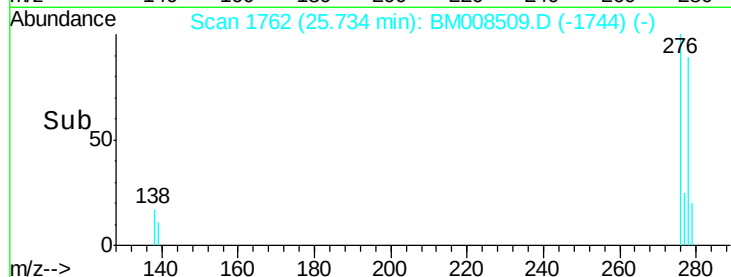
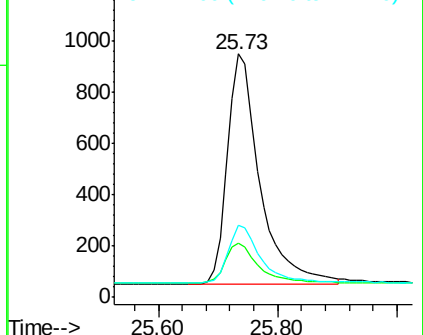
277 25.3 19.6 29.4



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

Dibenzo(a,h)anthracene

Concen: 1.07 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM008509.D

Acq: 21 Dec 2016 10:18

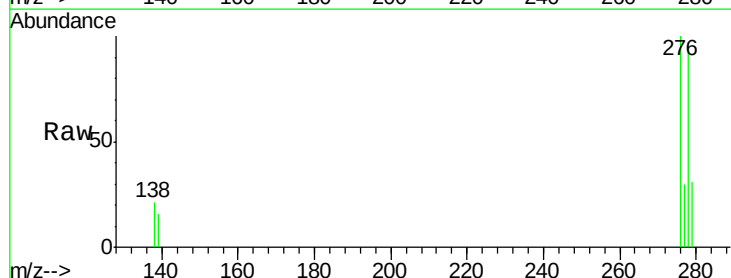
Tgt Ion:278 Resp: 3381

Ion Ratio Lower Upper

278 100

139 16.6 17.4 26.0#

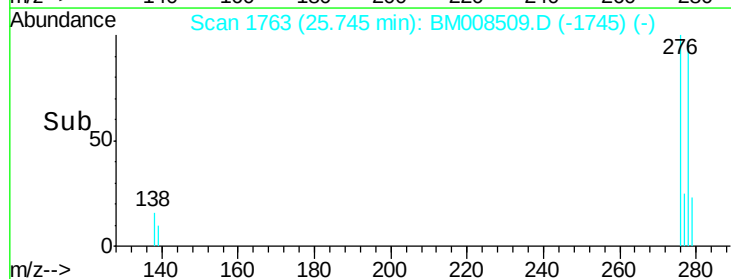
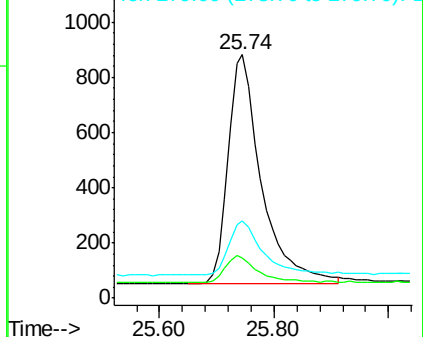
279 31.9 25.9 38.9

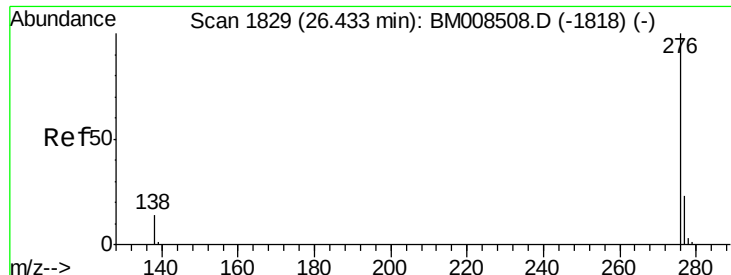


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.10 ng/ul

RT: 26.42 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BM008509.D

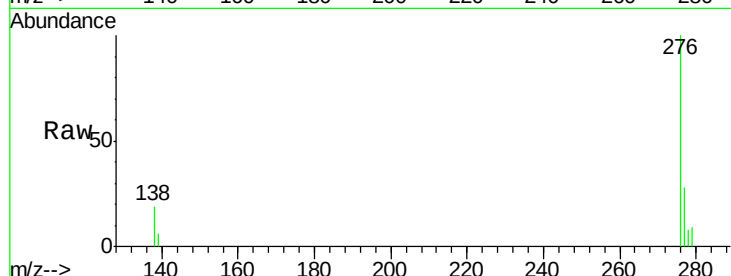
Acq: 21 Dec 2016 10:18

Instrument :

BNA_M

ClientSampleId :

DA8Q7



Tgt Ion: 276 Resp: 3756

Ion Ratio Lower Upper

276 100

277 28.2 21.8 32.8

138 18.5 20.5 30.7

