

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020116\
 Data File : BM004162.D
 Acq On : 01 Feb 2016 16:26
 Operator : SJ/IZ
 Sample : PB88046BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK46

Quant Time: Feb 02 01:22:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 01:18:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1433	0.40	ng/ul	0.00
4) Naphthalene-d8	10.45	136	6015	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	3888	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	10564	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	10920	0.40	ng/ul	0.00
22) Perylene-d12	23.51	264	10173	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.12	96	14	0.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	2824	0.36	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	9644	0.36	ng/ul	0.01

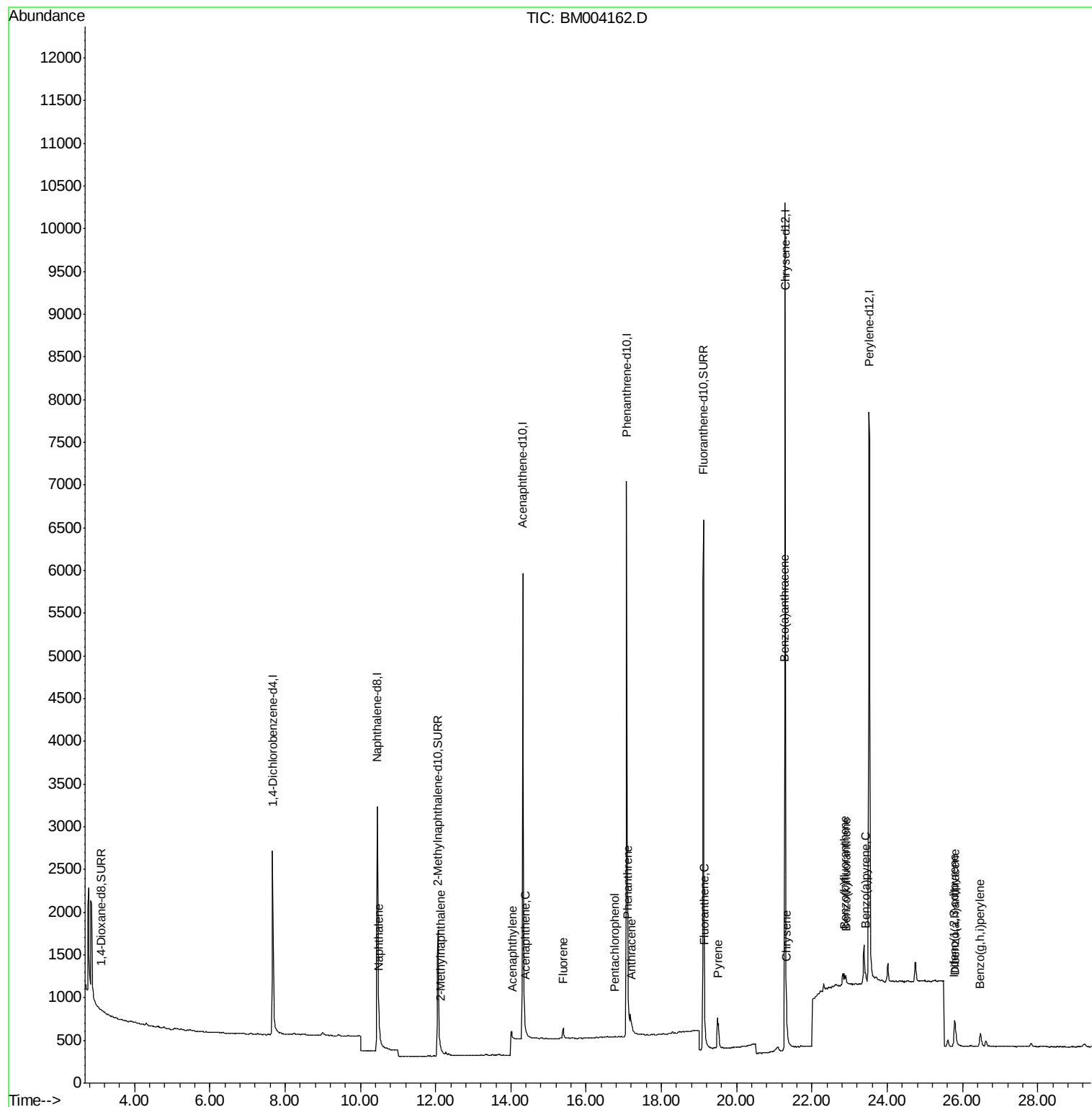
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.50	128	116	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.13	142	29	0.00	ng/ul#	80
9) Acenaphthylene	14.04	152	28	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	40	0.00	ng/ul#	75
11) Fluorene	15.39	166	149	0.01	ng/ul#	71
13) Pentachlorophenol	16.76	266	15	0.02	ng/ul#	70
14) Phenanthrene	17.11	178	318	0.01	ng/ul#	46
15) Anthracene	17.21	178	67	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	385	0.01	ng/ul#	21
19) Pyrene	19.51	202	297	0.01	ng/ul#	52
20) Benzo(a)anthracene	21.27	228	189	0.01	ng/ul#	41
21) Chrysene	21.32	228	176	0.01	ng/ul#	38
23) Benzo(b)fluoranthene	22.86	252	243	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	171	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.42	252	164	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.79	276	275	0.01	ng/ul#	78
27) Dibenzo(a,h)anthracene	25.80	278	535	0.02	ng/ul#	14
28) Benzo(g,h,i)perylene	26.47	276	397	0.01	ng/ul#	35

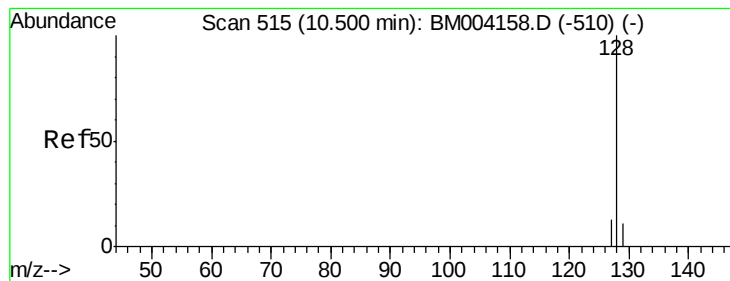
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.00 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

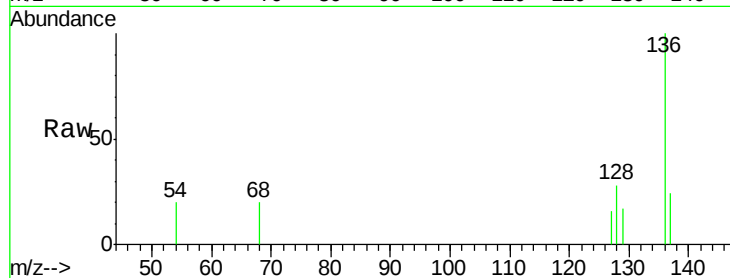
Tgt Ion:128 Resp: 116

Ion Ratio Lower Upper

128 100

129 60.2 9.0 13.6#

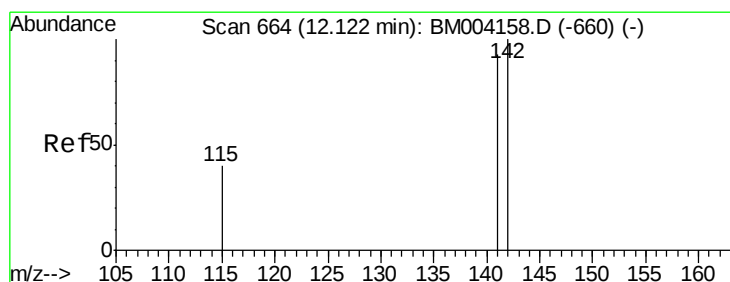
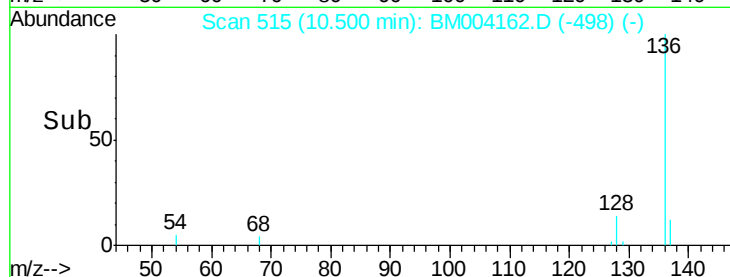
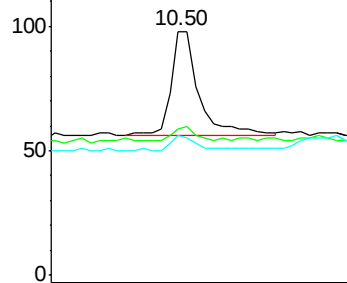
127 57.1 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM004162.D

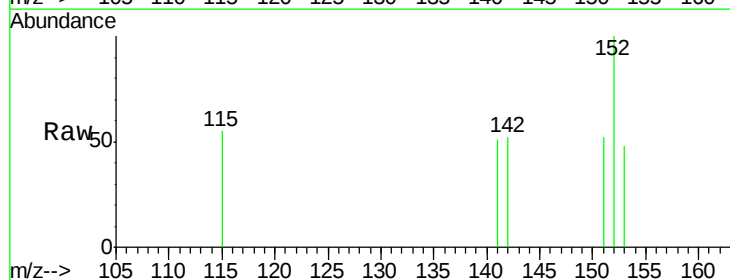
Acq: 01 Feb 2016 16:26

Tgt Ion:142 Resp: 29

Ion Ratio Lower Upper

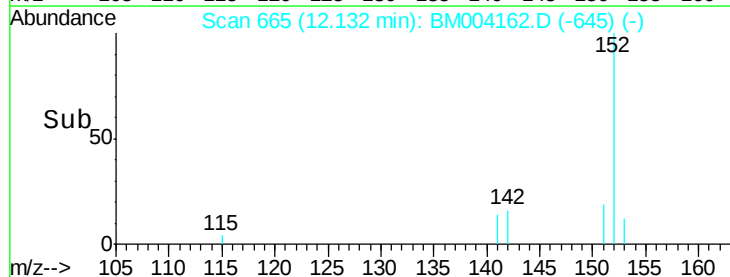
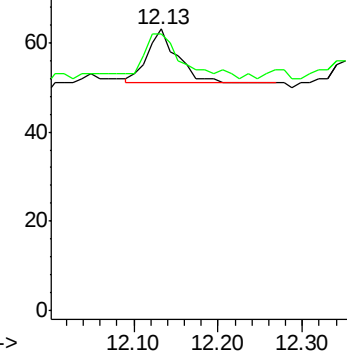
142 100

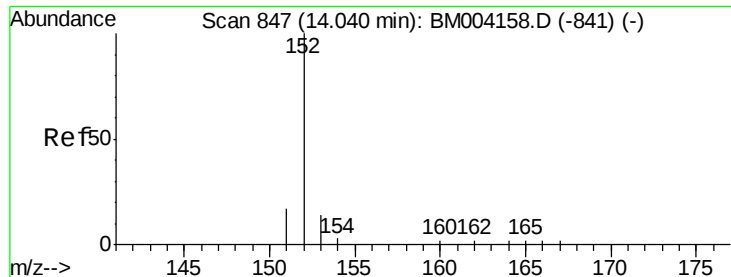
141 106.9 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

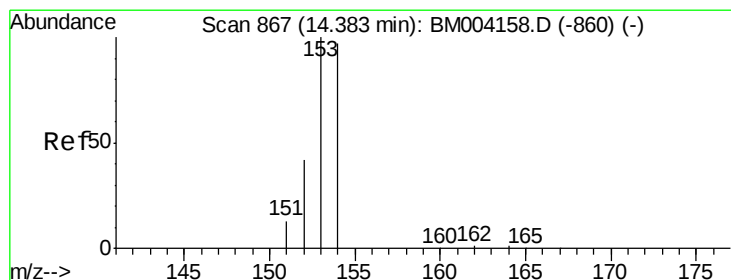
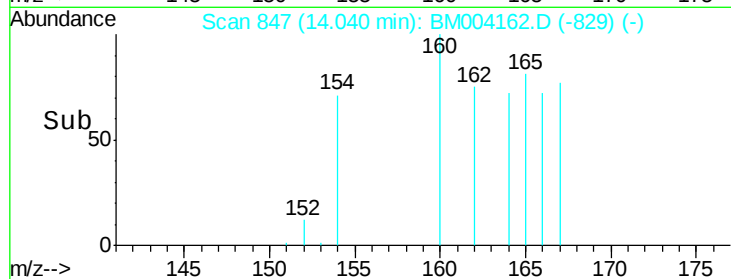
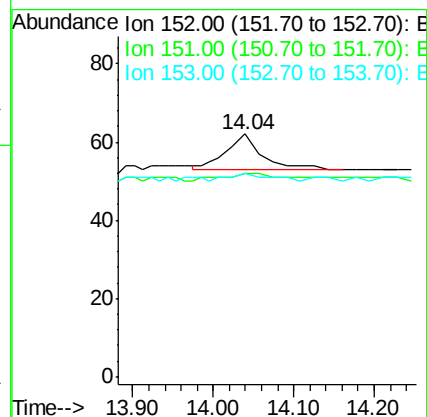
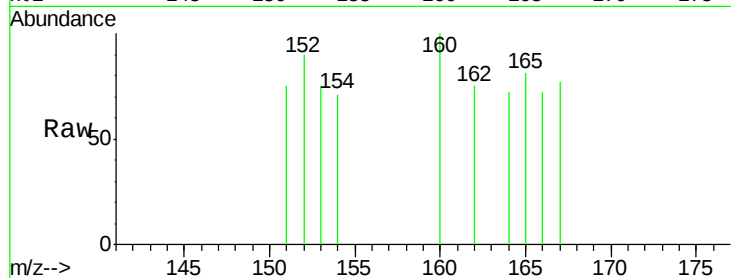
Tgt Ion:152 Resp: 28

Ion Ratio Lower Upper

152 100

151 83.9 17.6 26.4#

153 83.9 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

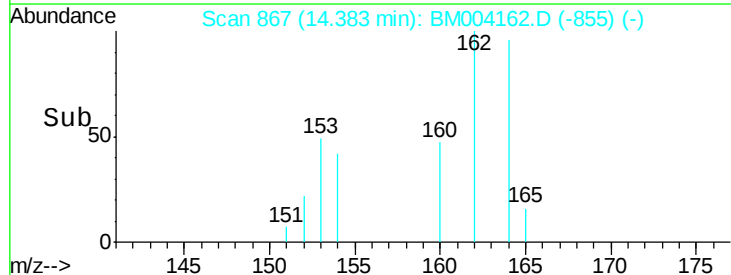
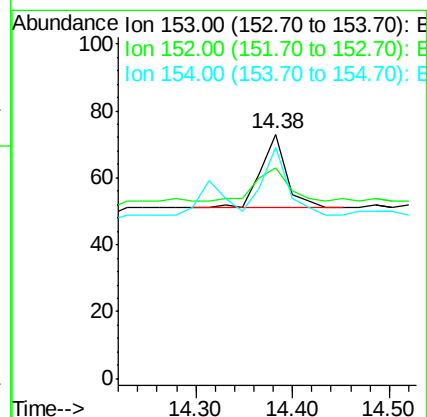
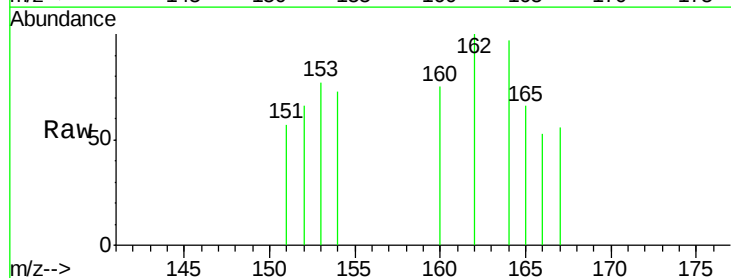
Tgt Ion:153 Resp: 40

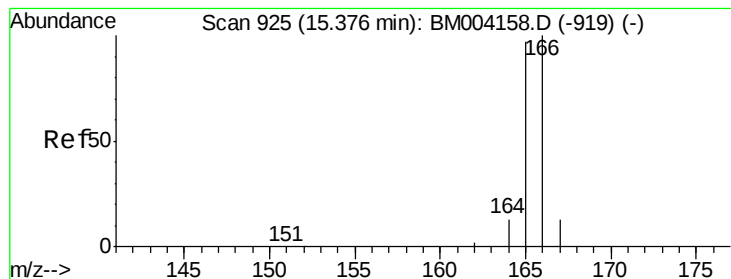
Ion Ratio Lower Upper

153 100

152 86.3 33.9 50.9#

154 94.5 80.6 121.0





#11

Fluorene

Concen: 0.01 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.02 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

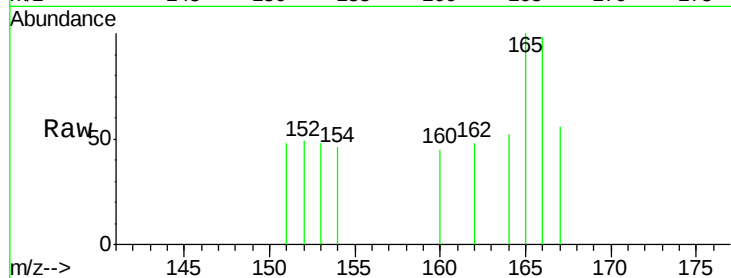
Tgt Ion:166 Resp: 149

Ion Ratio Lower Upper

166 100

165 101.9 69.6 104.4

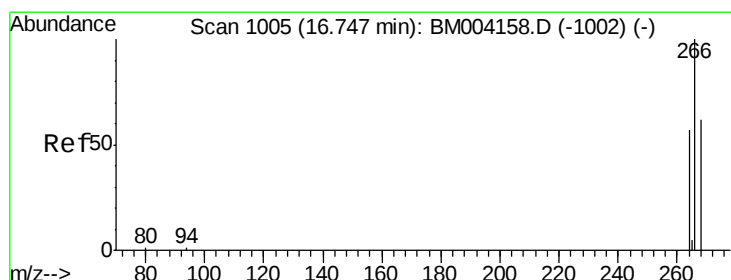
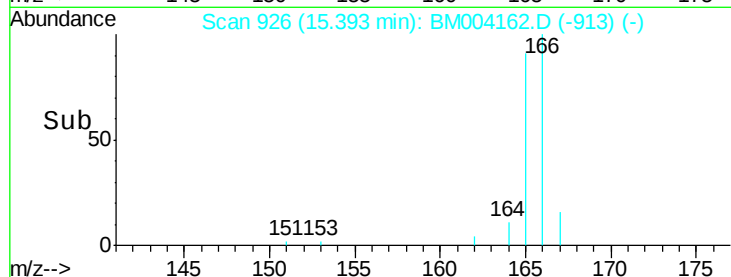
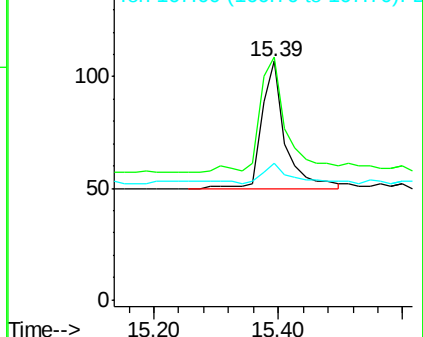
167 57.0 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

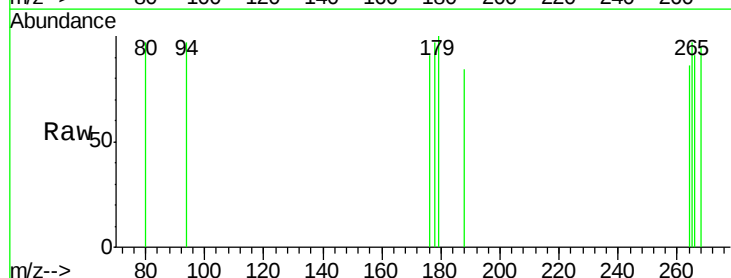
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 66.7 51.8 77.8

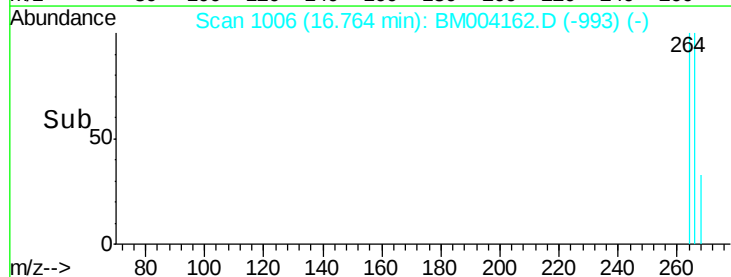
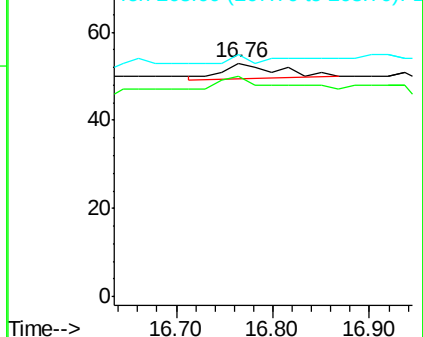
268 13.3 46.8 70.2#

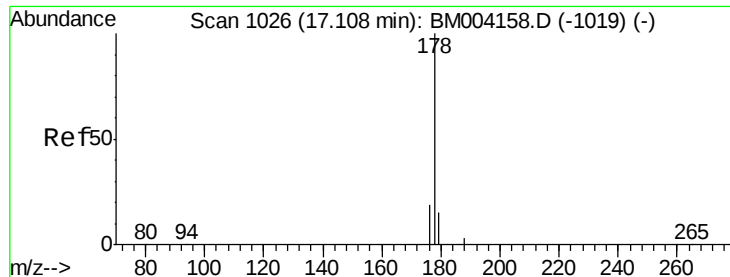


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

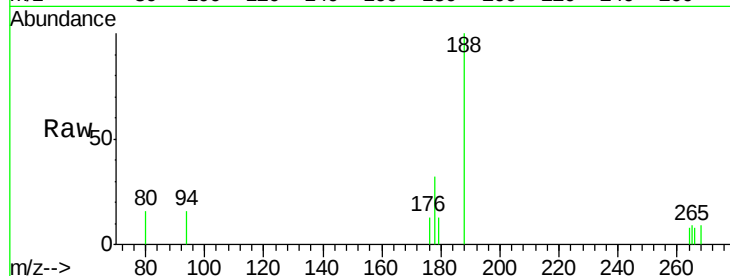
Tgt Ion:178 Resp: 318

Ion Ratio Lower Upper

178 100

176 40.3 13.0 19.4#

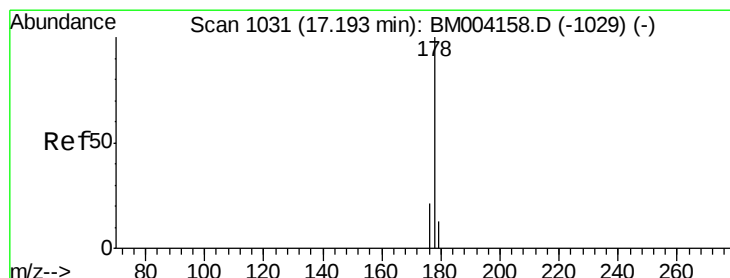
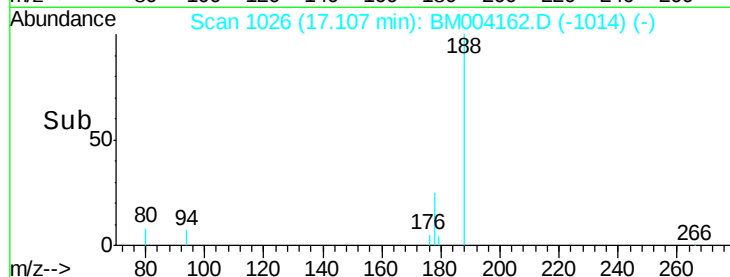
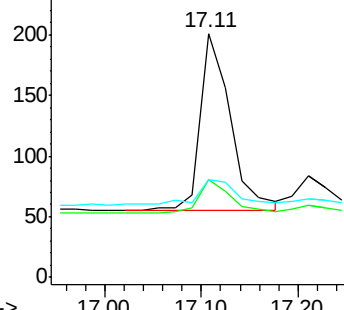
179 40.3 14.2 21.2#



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

Anthracene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

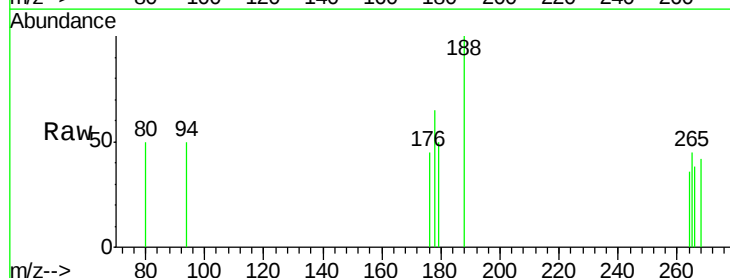
Tgt Ion:178 Resp: 67

Ion Ratio Lower Upper

178 100

176 70.2 14.0 21.0#

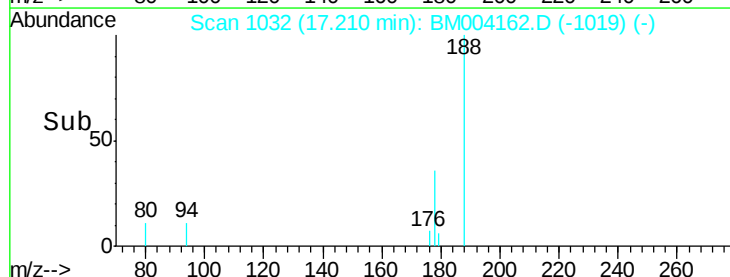
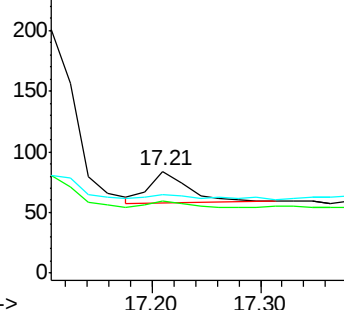
179 77.4 12.9 19.3#

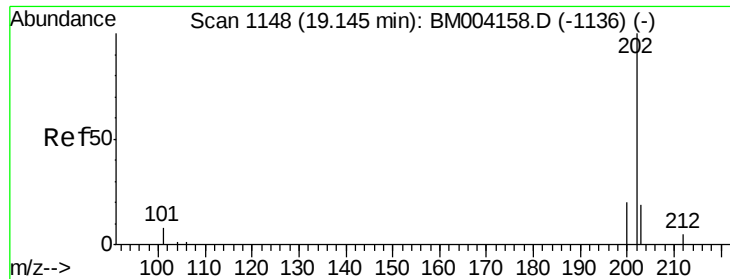


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

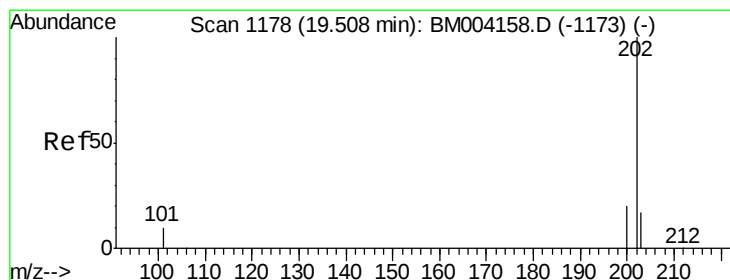
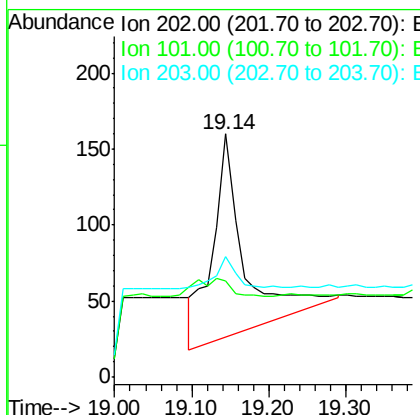
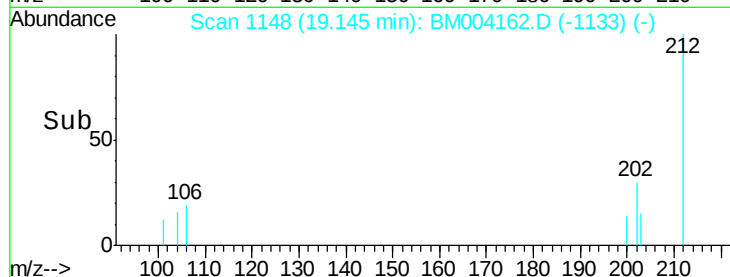
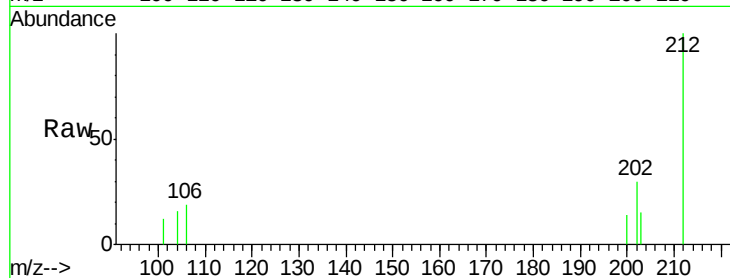




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BM004162.D
 Acq: 01 Feb 2016 16:26

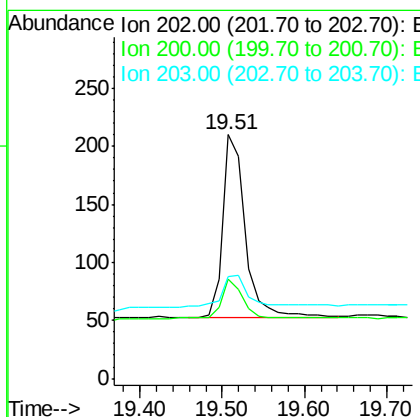
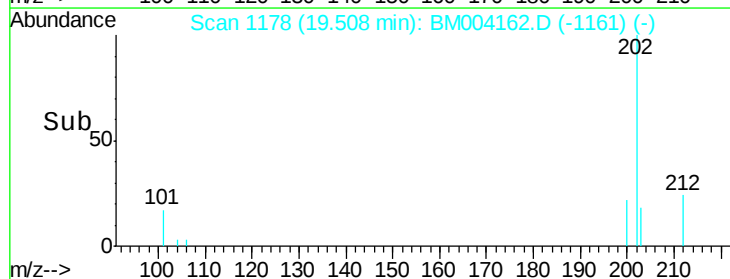
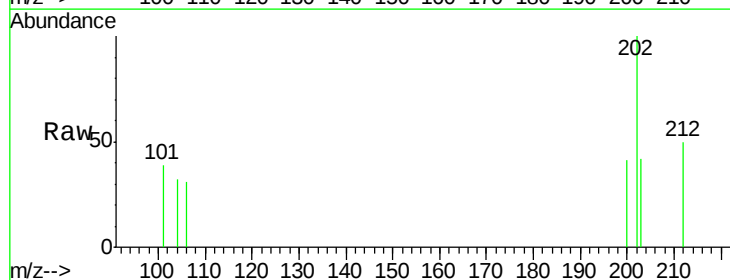
Instrument :
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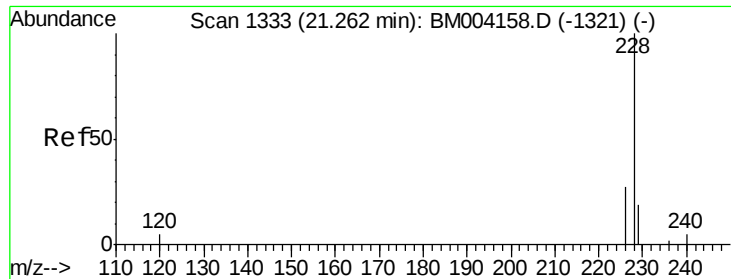
Tgt Ion:202 Resp: 385
 Ion Ratio Lower Upper
 202 100
 101 39.4 0.0 29.6#
 203 49.4 0.0 36.3#



#19
Pyrene
 Concen: 0.01 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM004162.D
 Acq: 01 Feb 2016 16:26

Tgt Ion:202 Resp: 297
 Ion Ratio Lower Upper
 202 100
 200 41.0 17.8 26.8#
 203 41.9 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

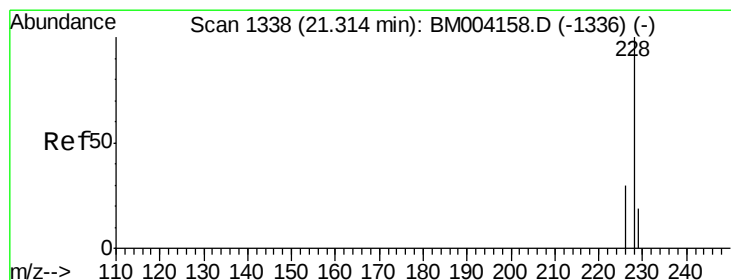
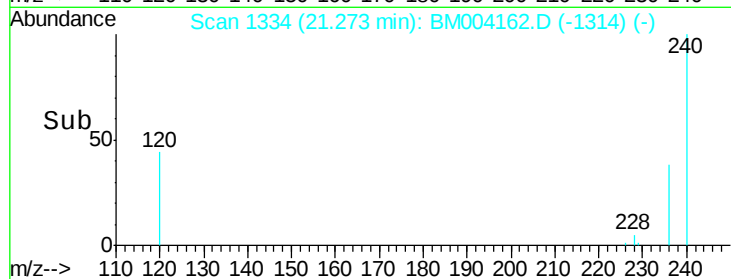
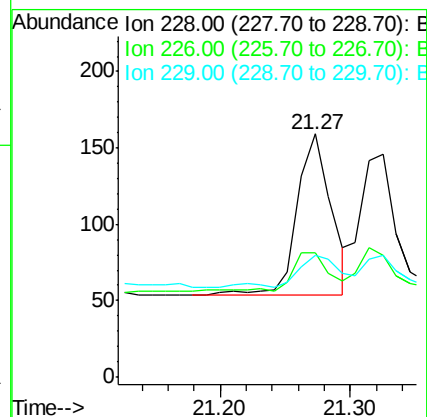
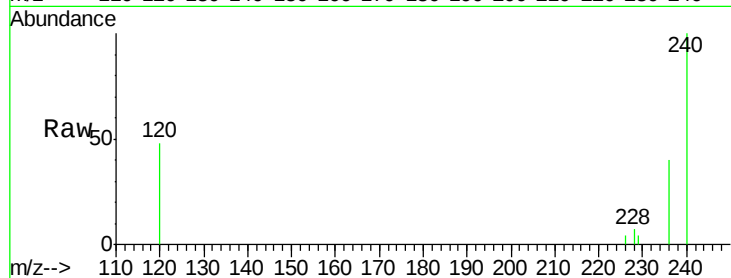
Tgt Ion:228 Resp: 189

Ion Ratio Lower Upper

228 100

226 50.9 18.8 28.2#

229 50.3 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

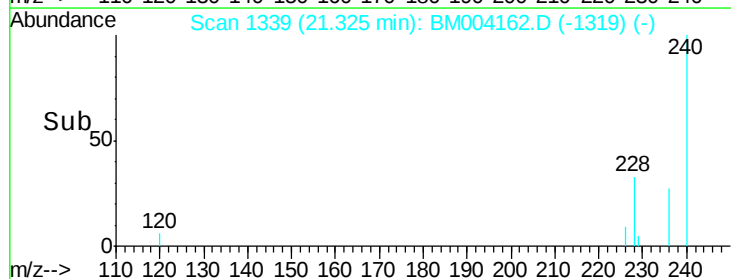
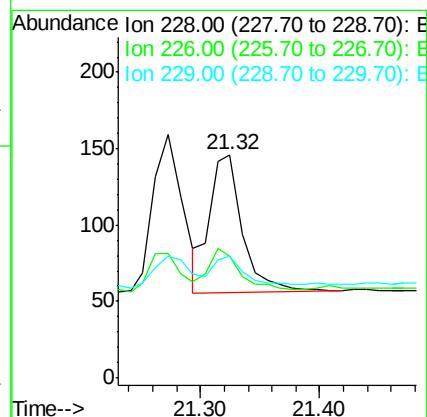
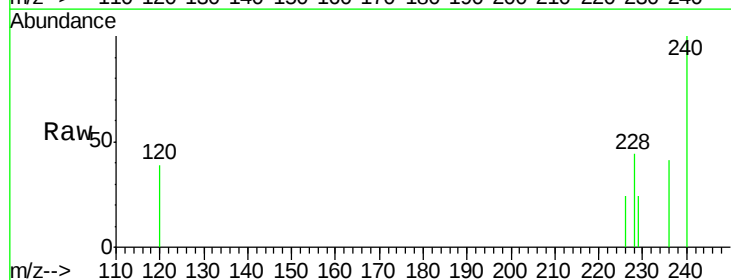
Tgt Ion:228 Resp: 176

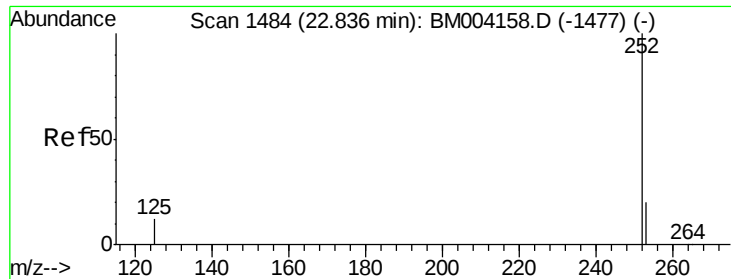
Ion Ratio Lower Upper

228 100

226 54.8 21.2 31.8#

229 54.8 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. 0.02 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

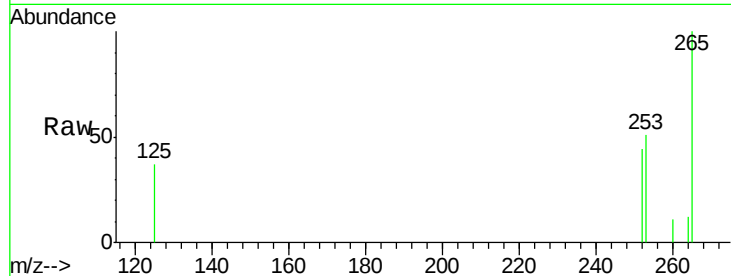
Tgt Ion:252 Resp: 243

Ion Ratio Lower Upper

252 100

253 113.9 0.0 45.4#

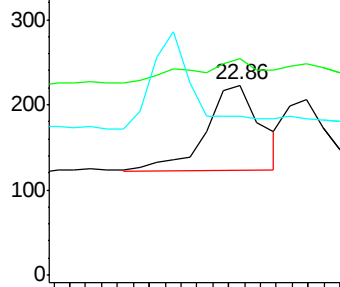
125 83.4 0.0 28.8#



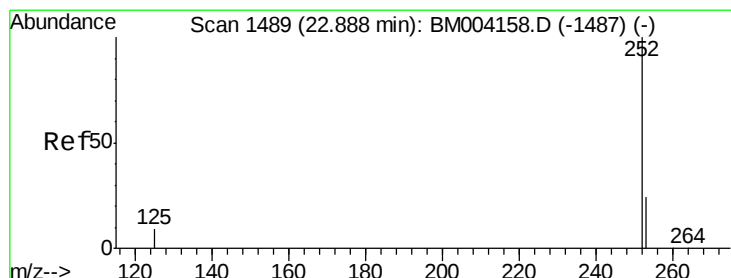
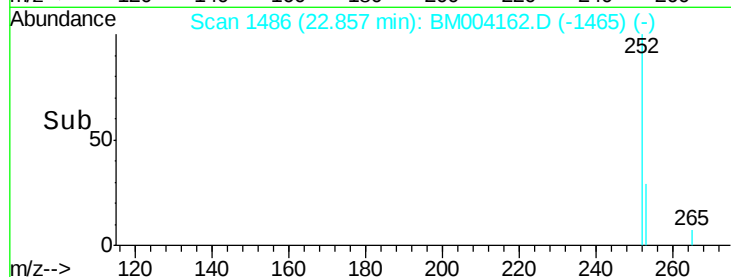
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.75 22.80 22.85 22.90



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.90 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

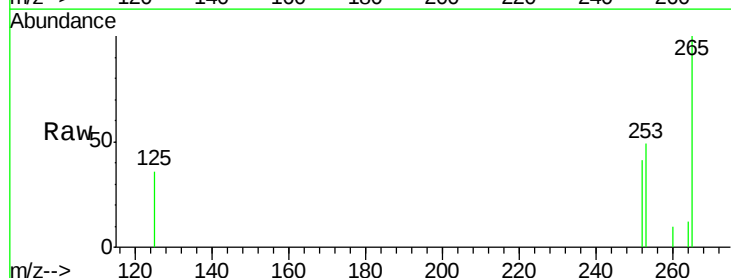
Tgt Ion:252 Resp: 171

Ion Ratio Lower Upper

252 100

253 120.4 19.8 29.8#

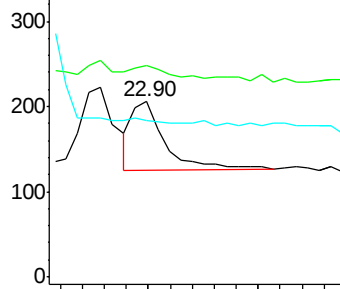
125 88.8 10.4 15.6#



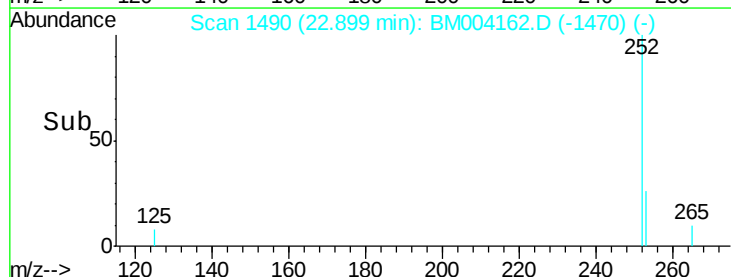
Abundance Ion 252.00 (251.70 to 252.70): E

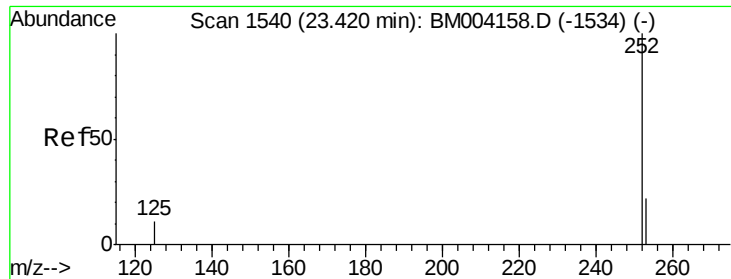
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.90 23.00





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SBLK46

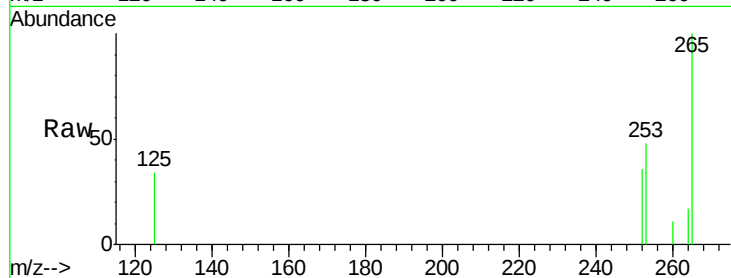
Tgt Ion: 252 Resp: 164

Ion Ratio Lower Upper

252 100

253 134.6 19.4 29.2#

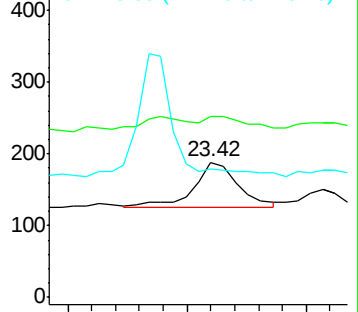
125 95.2 12.7 19.1#



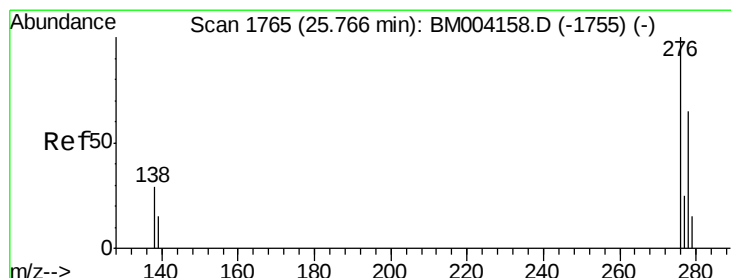
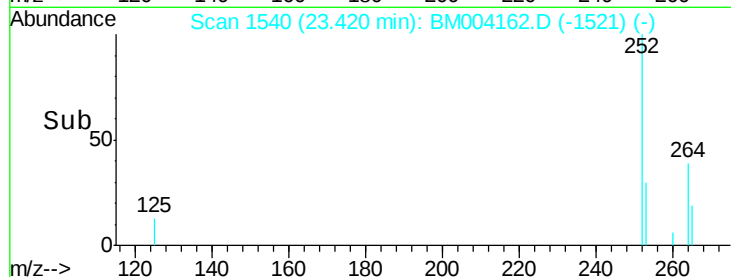
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. 0.02 min

Lab File: BM004162.D

Acq: 01 Feb 2016 16:26

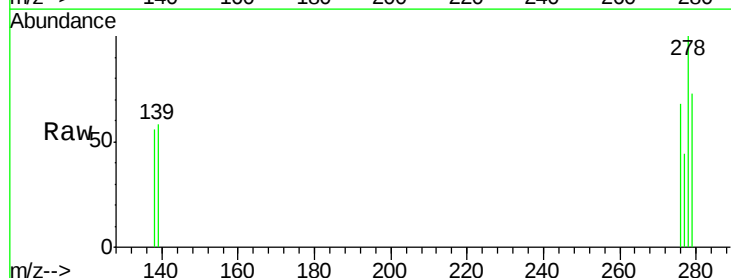
Tgt Ion: 276 Resp: 275

Ion Ratio Lower Upper

276 100

138 38.5 16.3 24.5#

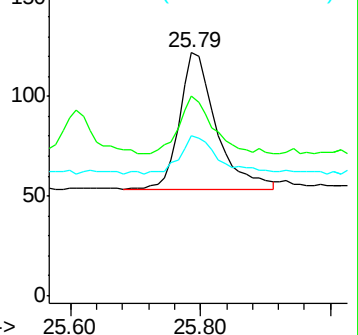
277 28.4 19.8 29.8



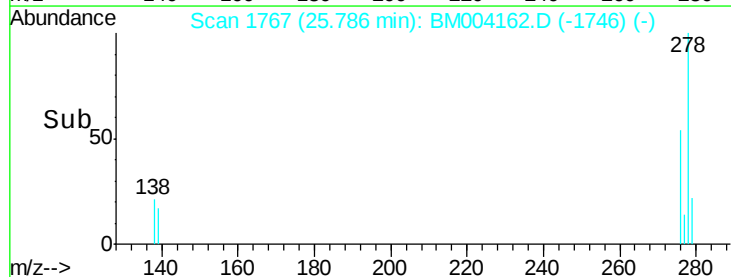
Abundance Ion 276.00 (275.70 to 276.70): E

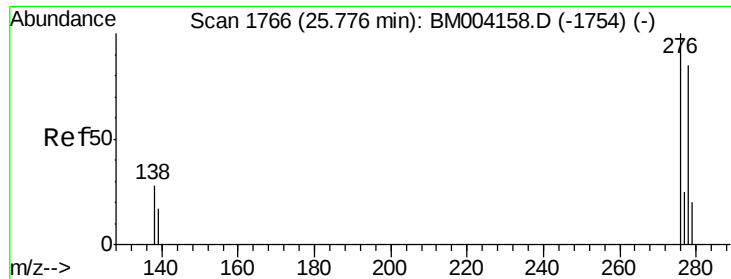
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

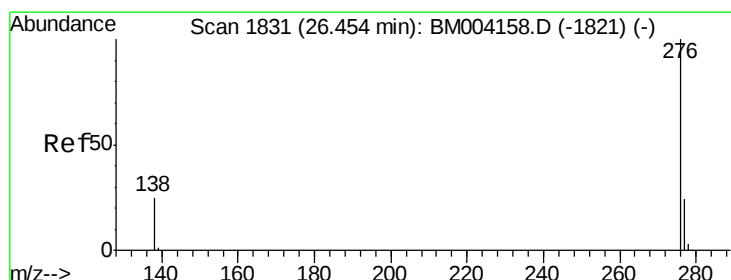
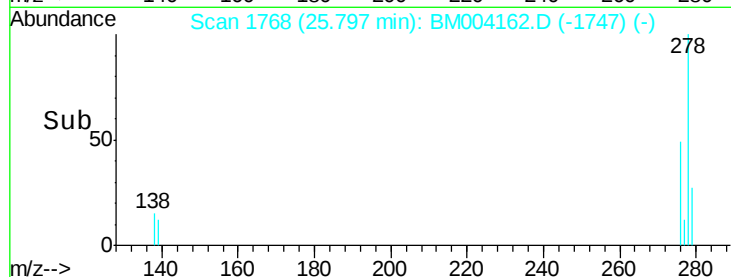
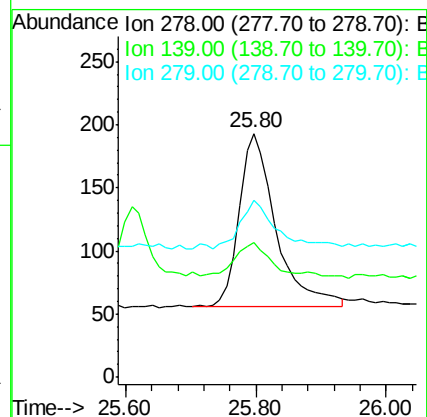
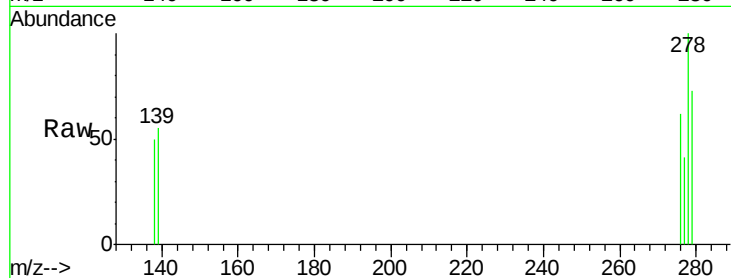




#27
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.80 min Scan# 1768
Delta R.T. 0.02 min
Lab File: BM004162.D
Acq: 01 Feb 2016 16:26

Instrument :
BNA_M
ClientSampleId :
SBLK46

Tgt Ion: 278 Resp: 535
Ion Ratio Lower Upper
278 100
139 55.4 16.4 24.6#
279 72.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.47 min Scan# 1833
Delta R.T. 0.02 min
Lab File: BM004162.D
Acq: 01 Feb 2016 16:26

Tgt Ion: 276 Resp: 397
Ion Ratio Lower Upper
276 100
277 55.5 18.9 28.3#
138 62.6 22.5 33.7#

