

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002962.D
 Acq On : 22 Oct 2015 00:01
 Operator : UM/IZ
 Sample : G4075-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J7

Quant Time: Oct 22 12:05:00 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 16:23:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6178	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.49	136	28114	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	15682	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1545109	0.40	ng/ul	0.08
18) Chrysene-d12	22.03	240	32638	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	26882	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.71	96	18874	2.86	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	10518	0.22	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	20784	0.01	ng/ul	0.00

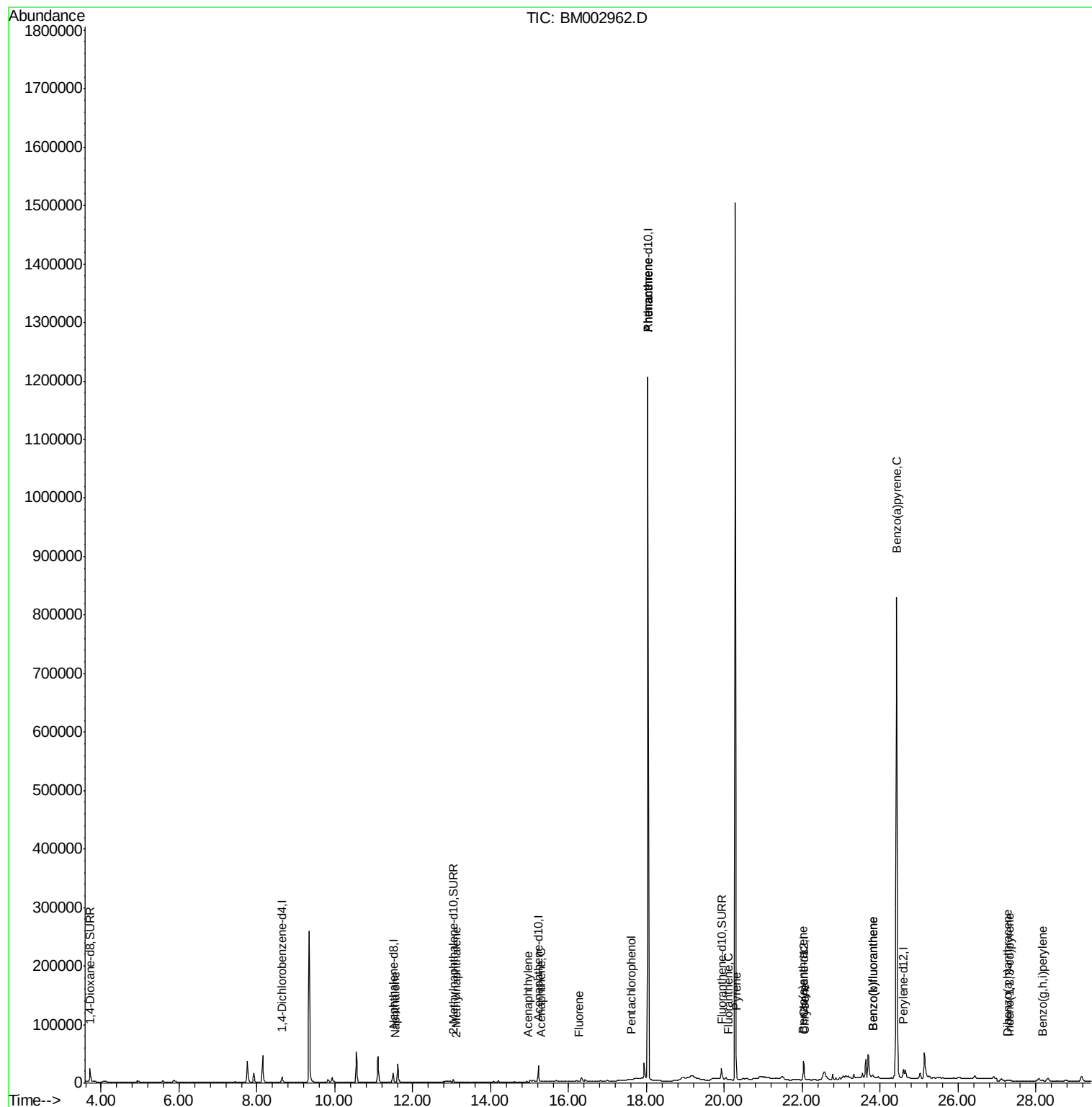
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.54	128	471	0.01	ng/ul#	29
7) 2-Methylnaphthalene	13.11	142	478	0.01	ng/ul#	57
9) Acenaphthylene	14.96	152	711	0.01	ng/ul#	1
10) Acenaphthene	15.30	153	144	0.00	ng/ul#	47
11) Fluorene	16.27	166	1120	0.02	ng/ul#	78
13) Pentachlorophenol	17.61	266	201	0.00	ng/ul#	67
14) Phenanthrene	18.03	178	1416	0.00	ng/ul#	1
15) Anthracene	18.03	178	1623	0.00	ng/ul#	1
17) Fluoranthene	20.10	202	586	0.00	ng/ul#	1
19) Pyrene	20.30	202	6878	0.06	ng/ul#	54
20) Benzo(a)anthracene	22.01	228	1486	0.01	ng/ul#	9
21) Chrysene	22.07	228	3040	0.03	ng/ul#	41
23) Benzo(b)fluoranthene	23.81	252	3377	0.04	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	3377	0.04	ng/ul#	1
25) Benzo(a)pyrene	24.42	252	3574	0.04	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.33	276	1226	0.01	ng/ul#	2
27) Dibenzo(a,h)anthracene	27.26	278	393	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	28.18	276	1996	0.02	ng/ul#	1

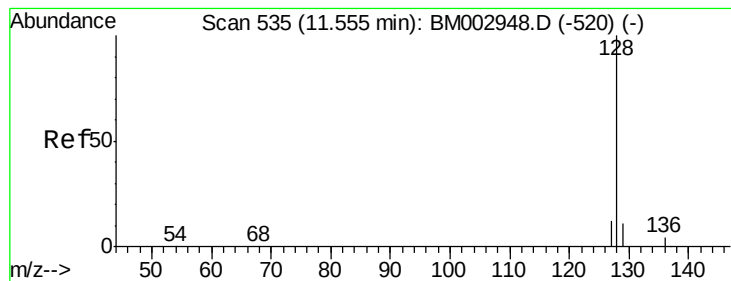
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

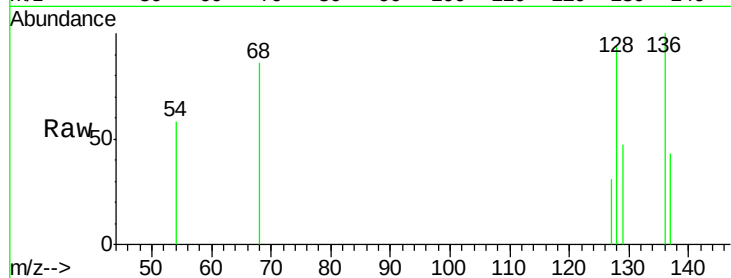
Tgt Ion:128 Resp: 471

Ion Ratio Lower Upper

128 100

129 49.6 9.8 14.8#

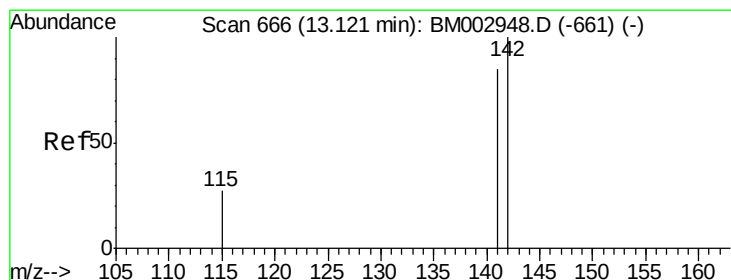
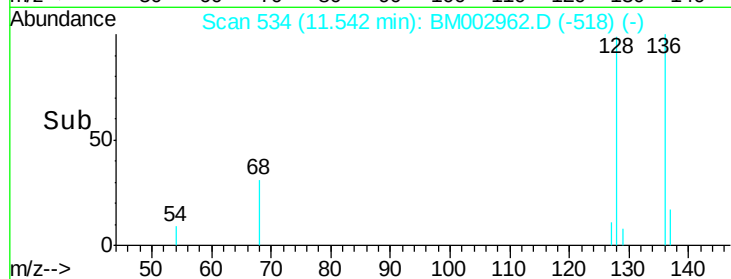
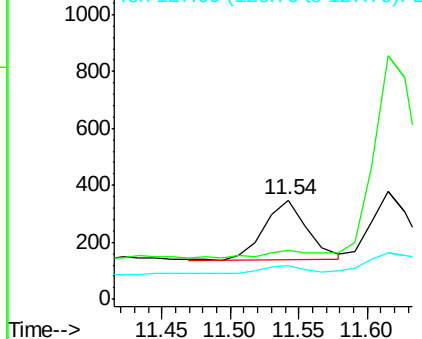
127 33.2 10.7 16.1#



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: 0.01 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM002962.D

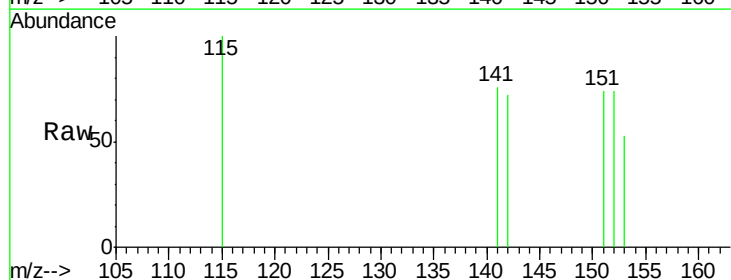
Acq: 22 Oct 2015 00:01

Tgt Ion:142 Resp: 478

Ion Ratio Lower Upper

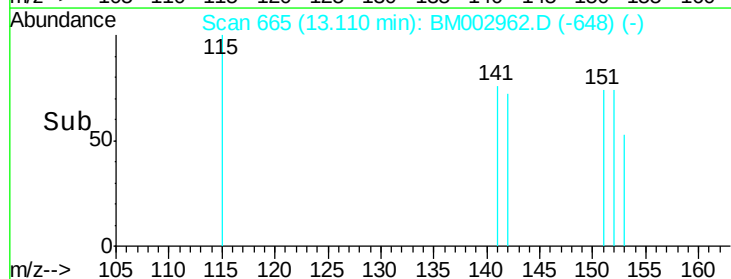
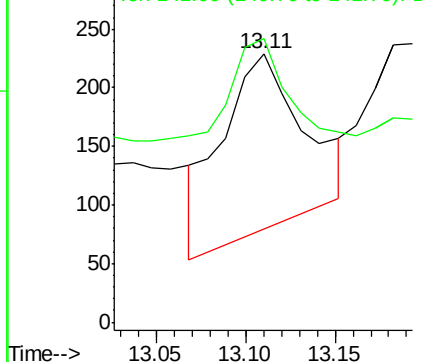
142 100

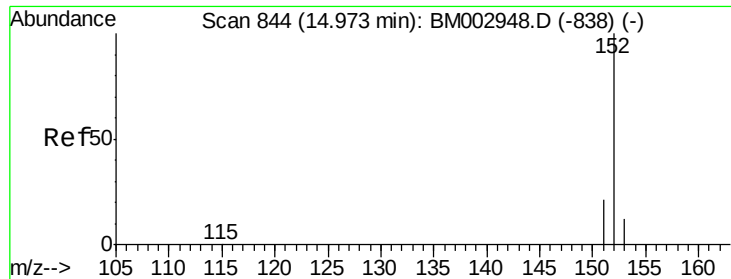
141 47.9 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

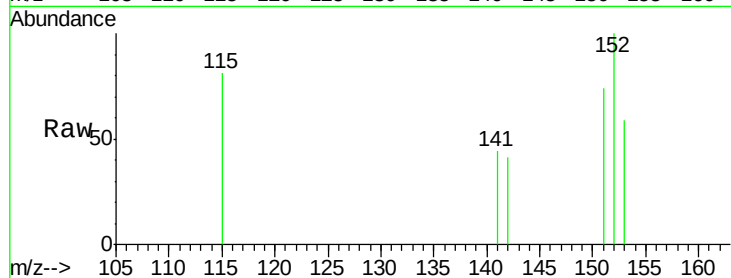
Tgt Ion:152 Resp: 711

Ion Ratio Lower Upper

152 100

151 73.5 16.8 25.2#

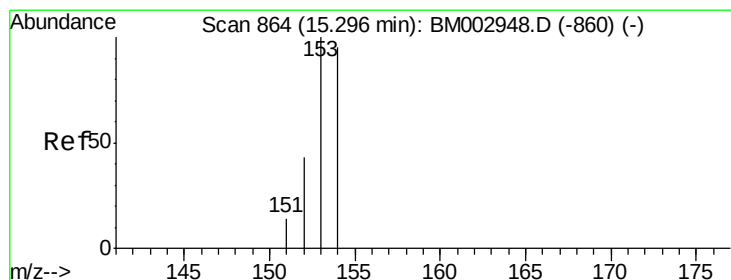
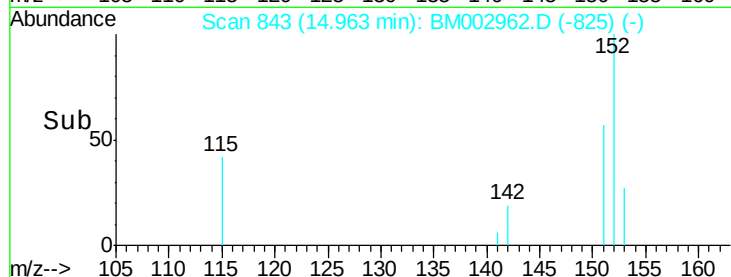
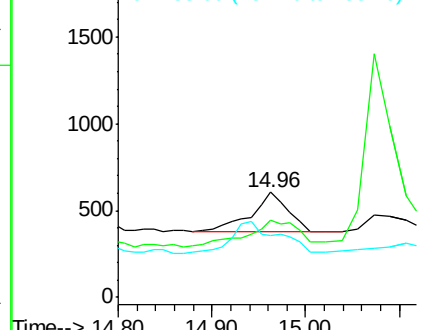
153 58.9 11.3 16.9#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 15.30 min Scan# 864

Delta R.T. -0.00 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

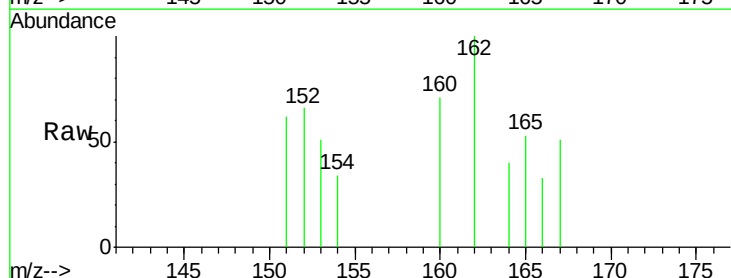
Tgt Ion:153 Resp: 144

Ion Ratio Lower Upper

153 100

152 130.9 42.3 63.5#

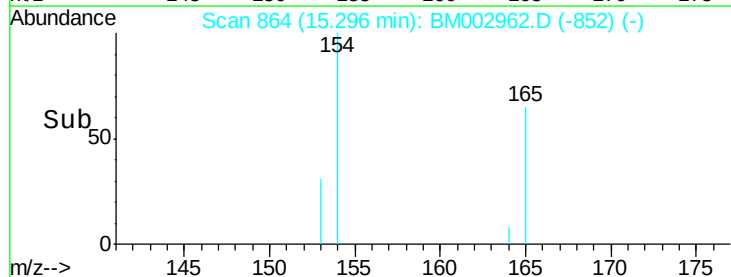
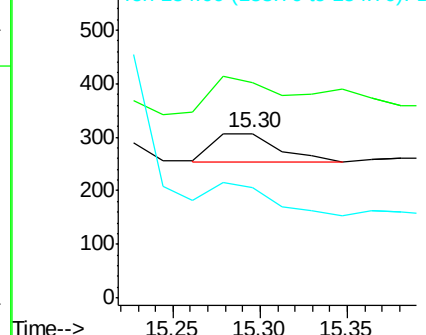
154 67.4 64.7 97.1

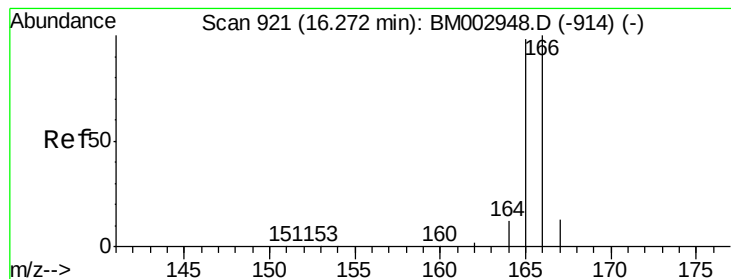


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.02 ng/ul

RT: 16.27 min Scan# 921

Delta R.T. -0.00 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

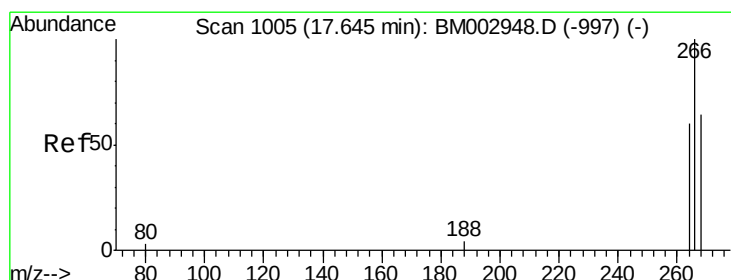
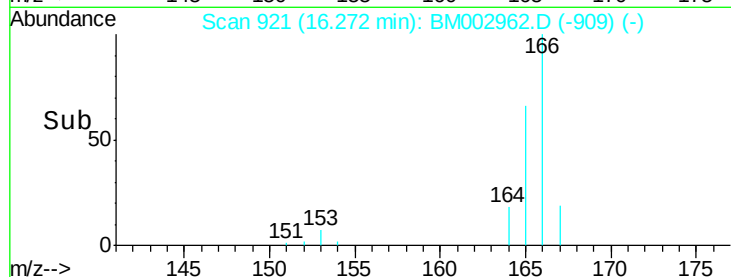
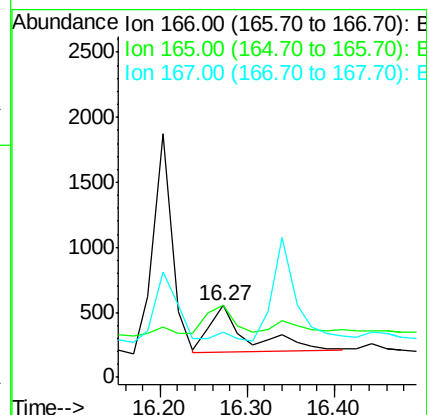
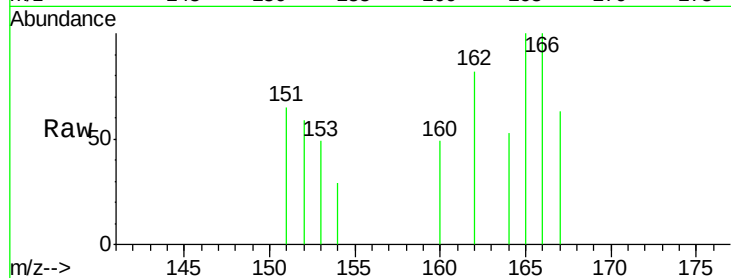
Tgt Ion:166 Resp: 1120

Ion Ratio Lower Upper

166 100

165 100.0 87.6 131.4

167 62.8 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.61 min Scan# 1003

Delta R.T. -0.03 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

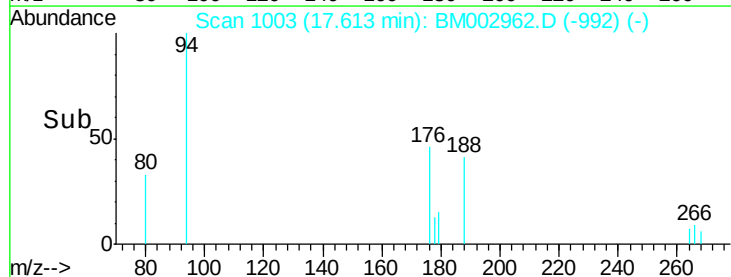
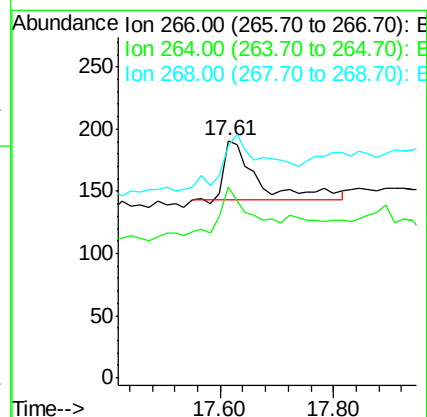
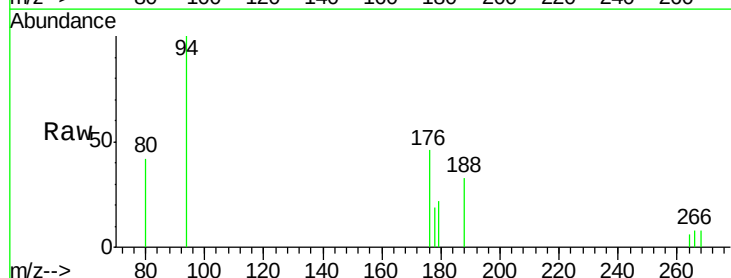
Tgt Ion:266 Resp: 201

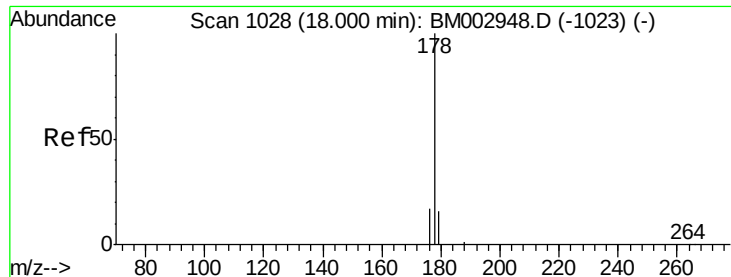
Ion Ratio Lower Upper

266 100

264 58.7 53.5 80.3

268 112.9 54.2 81.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.03 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

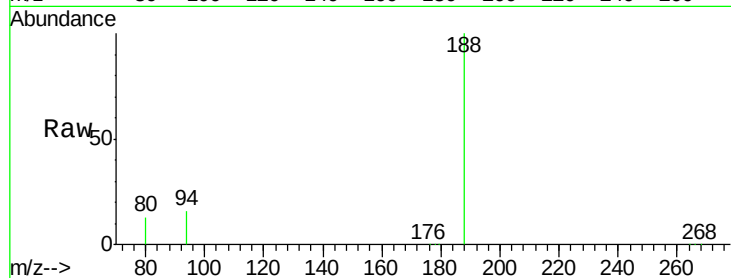
Tgt Ion:178 Resp: 1416

Ion Ratio Lower Upper

178 100

176 106.0 16.2 24.4#

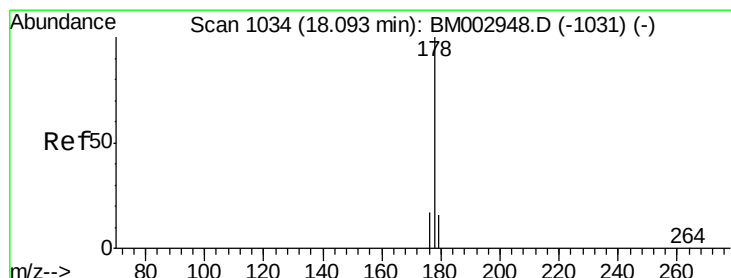
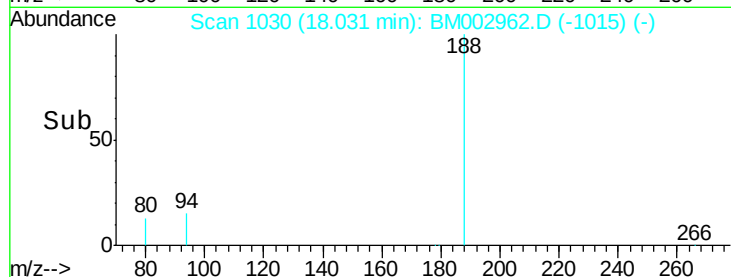
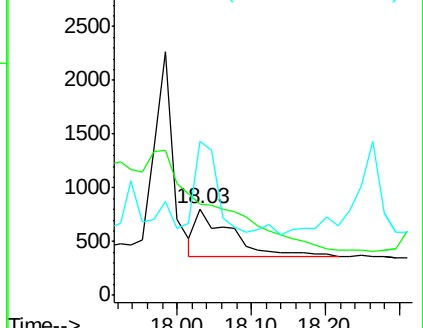
179 177.7 12.8 19.2#



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: 18.03 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

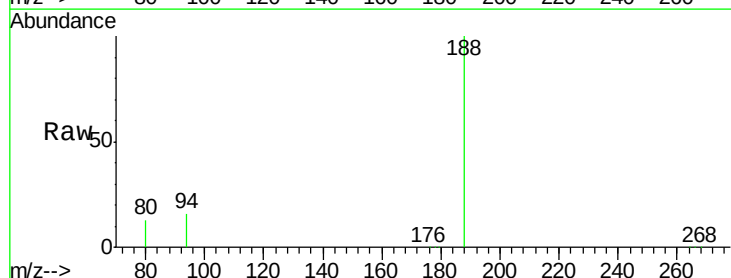
Tgt Ion:178 Resp: 1623

Ion Ratio Lower Upper

178 100

176 106.0 15.8 23.8#

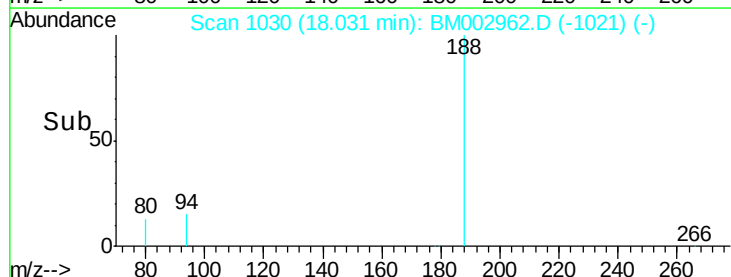
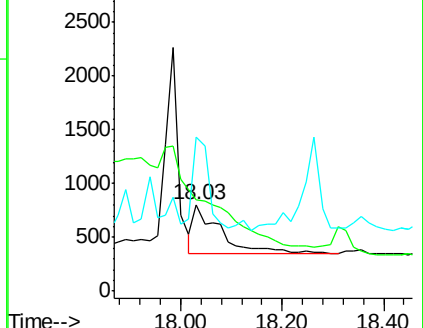
179 177.7 13.3 19.9#

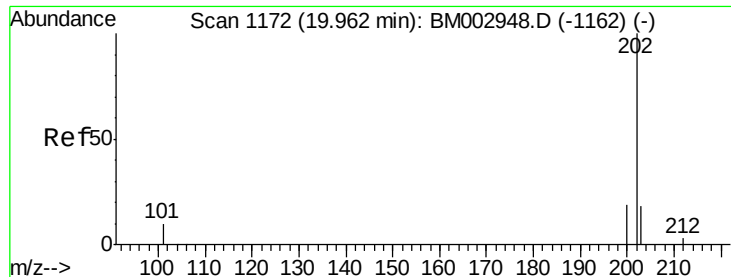


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

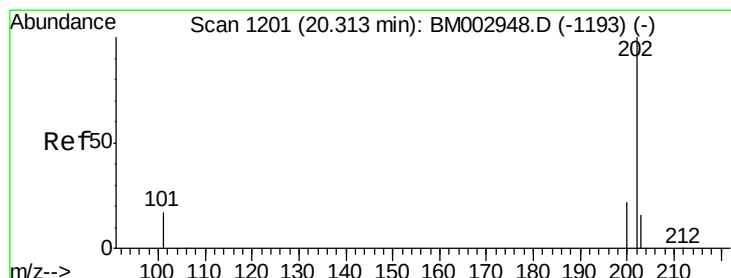
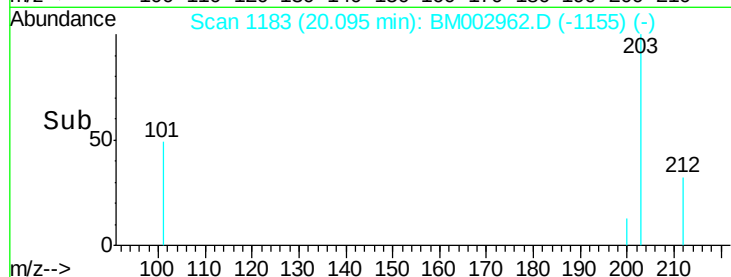
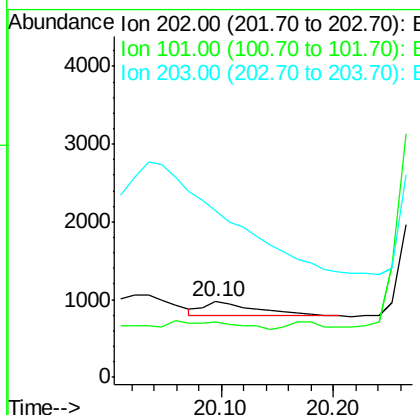
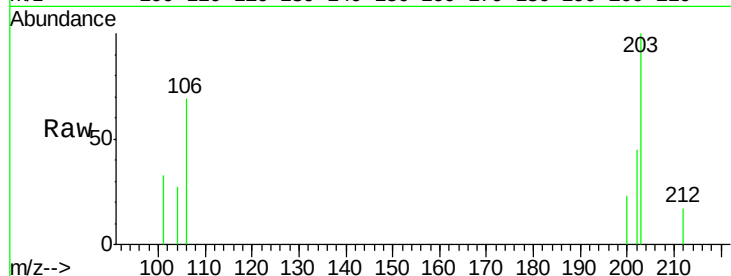




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 20.10 min Scan# 1183
Delta R.T. 0.13 min
Lab File: BM002962.D
Acq: 22 Oct 2015 00:01

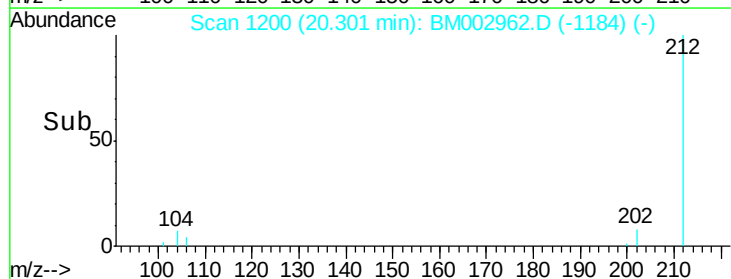
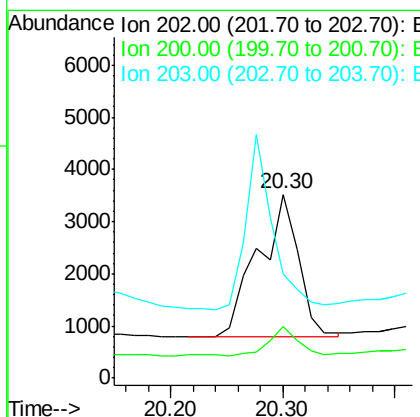
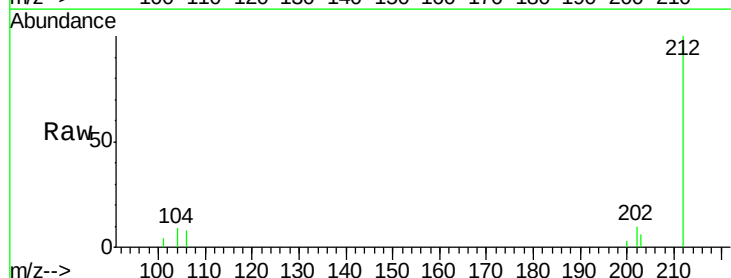
Instrument :
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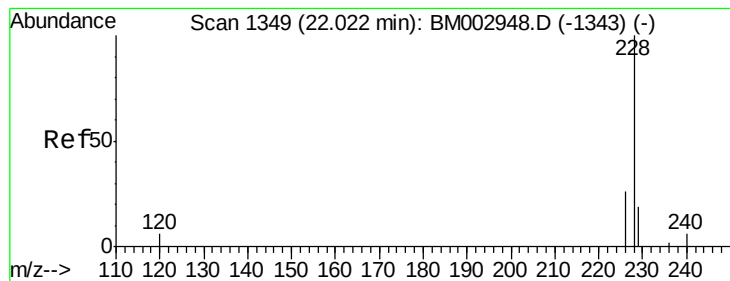
Tgt Ion:202 Resp: 586
Ion Ratio Lower Upper
202 100
101 73.8 0.0 33.1#
203 221.9 0.0 37.2#



#19
Pyrene
Concen: 0.06 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM002962.D
Acq: 22 Oct 2015 00:01

Tgt Ion:202 Resp: 6878
Ion Ratio Lower Upper
202 100
200 28.2 18.0 27.0#
203 56.3 13.8 20.6#

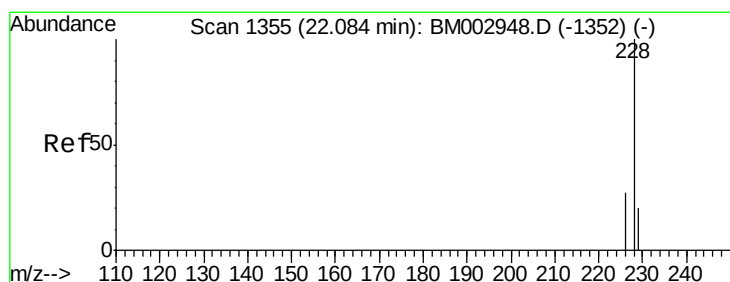
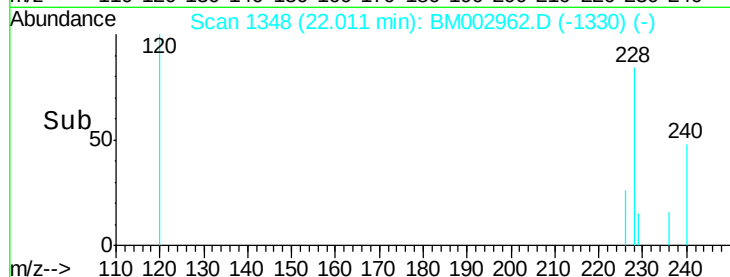
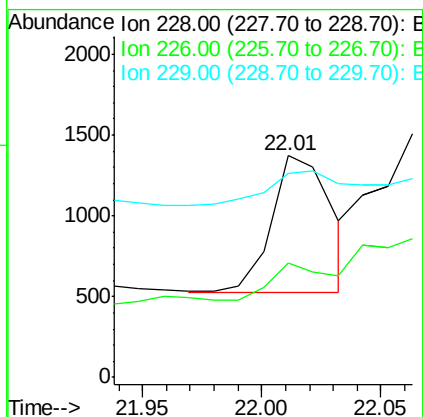
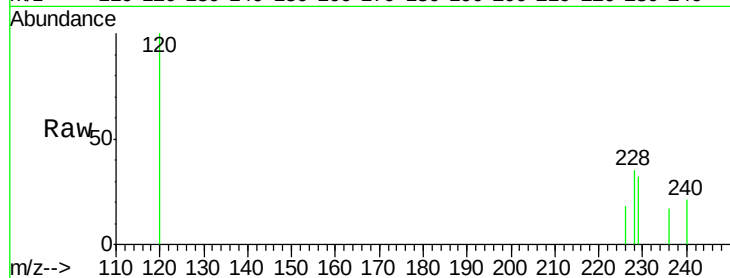




#20
Benzo(a)anthracene
Concen: 0.01 ng/ul
RT: 22.01 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BM002962.D
Acq: 22 Oct 2015 00:01

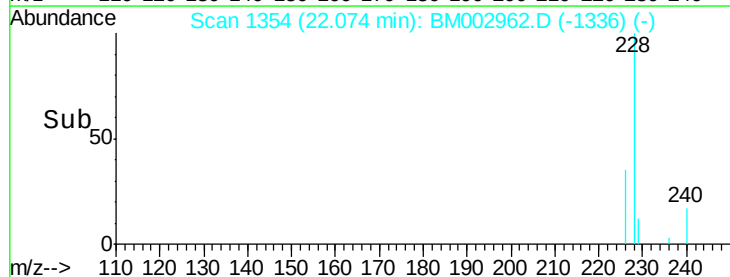
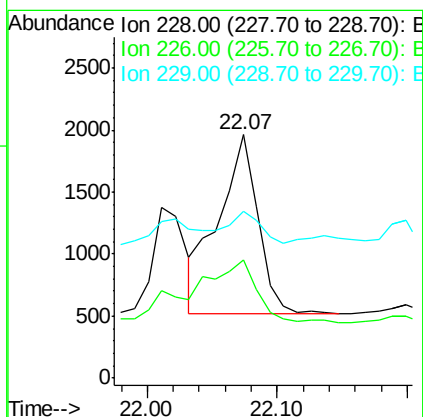
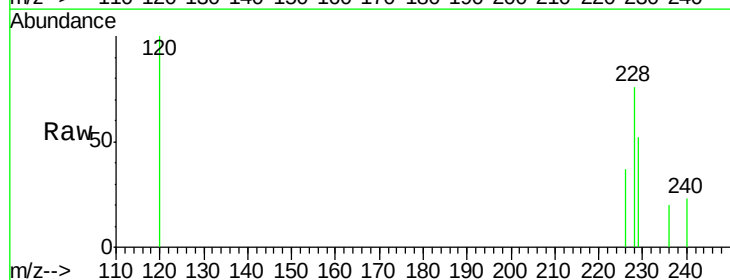
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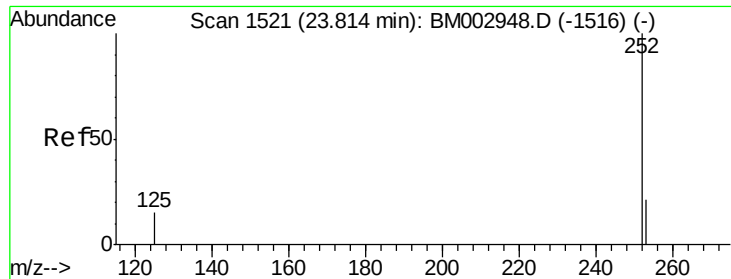
Tgt Ion:228 Resp: 1486
Ion Ratio Lower Upper
228 100
226 51.6 23.0 34.4#
229 92.3 15.2 22.8#



#21
Chrysene
Concen: 0.03 ng/ul
RT: 22.07 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BM002962.D
Acq: 22 Oct 2015 00:01

Tgt Ion:228 Resp: 3040
Ion Ratio Lower Upper
228 100
226 48.4 25.7 38.5#
229 68.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

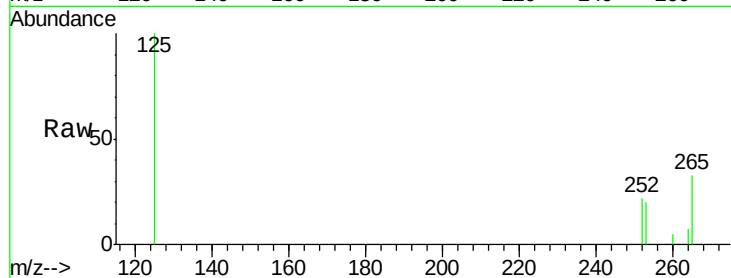
Tgt Ion:252 Resp: 3377

Ion Ratio Lower Upper

252 100

253 90.0 0.0 48.0#

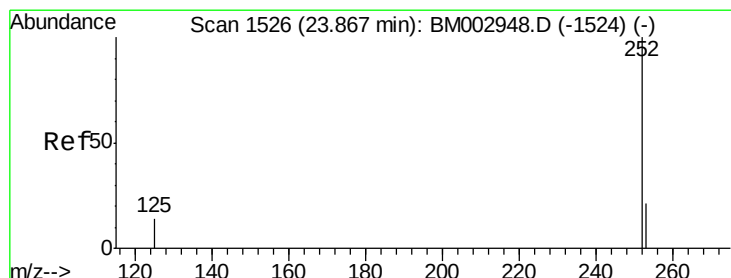
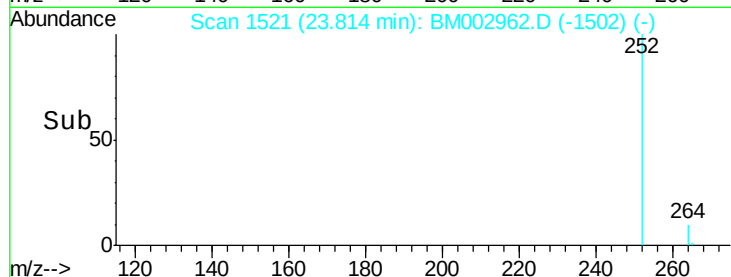
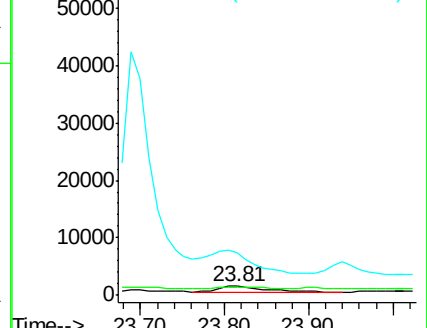
125 453.9 0.0 36.6#



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



#24

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.05 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

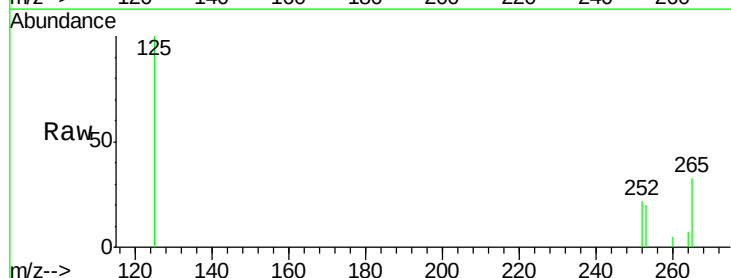
Tgt Ion:252 Resp: 3377

Ion Ratio Lower Upper

252 100

253 90.0 20.8 31.2#

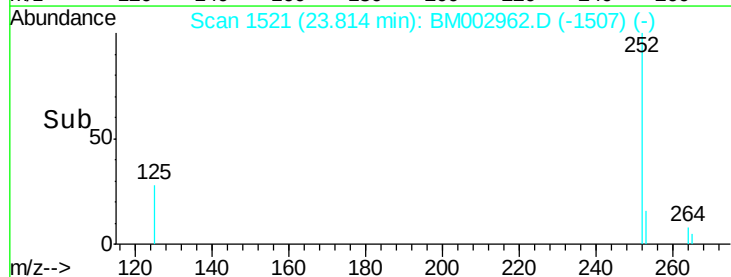
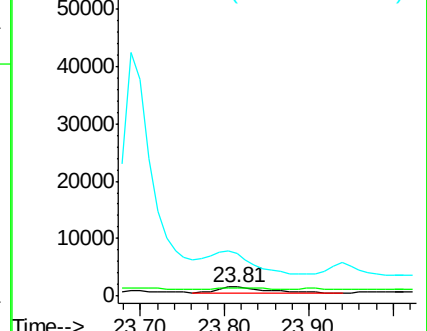
125 453.9 12.2 18.4#

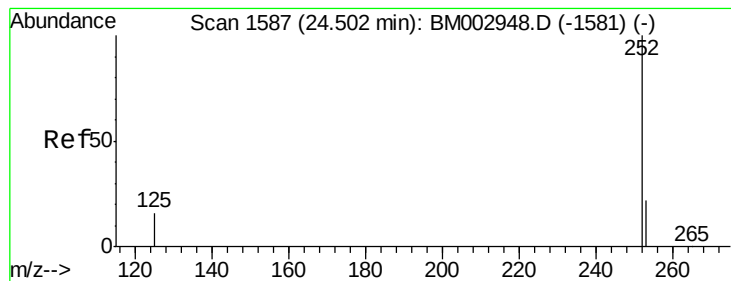


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 24.42 min Scan# 1579

Delta R.T. -0.08 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

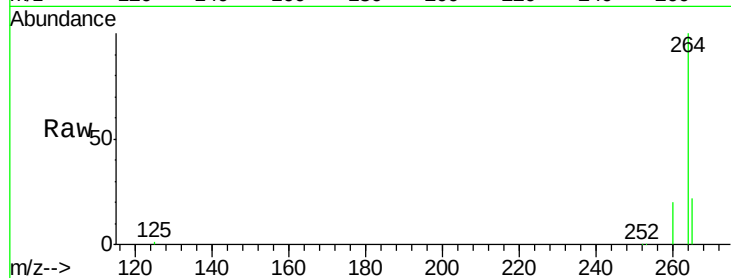
Tgt Ion:252 Resp: 3574

Ion Ratio Lower Upper

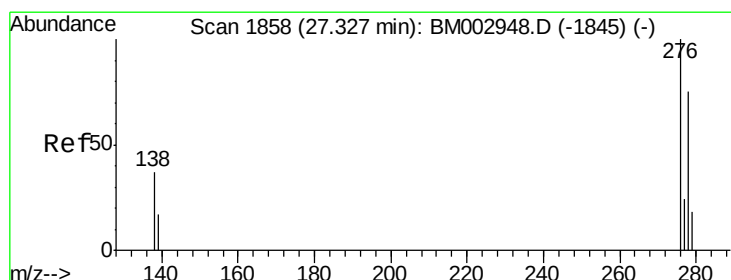
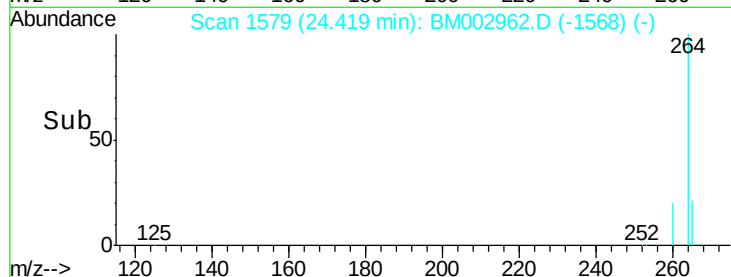
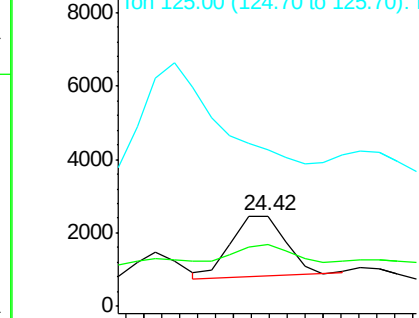
252 100

253 67.6 21.8 32.8#

125 172.7 14.5 21.7#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 27.33 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

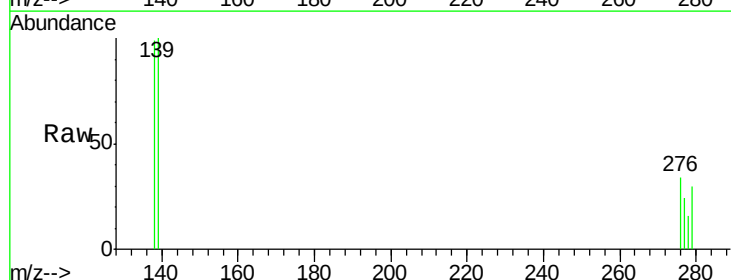
Tgt Ion:276 Resp: 1226

Ion Ratio Lower Upper

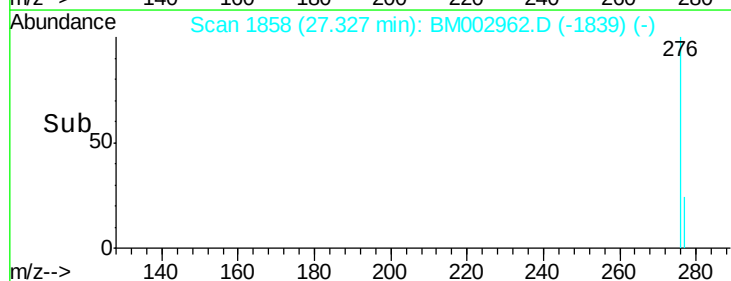
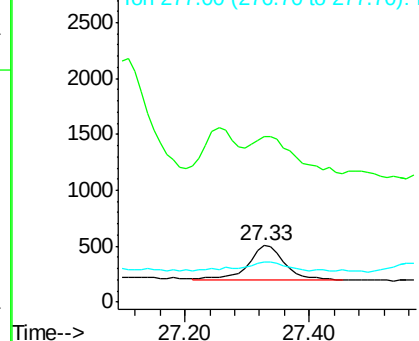
276 100

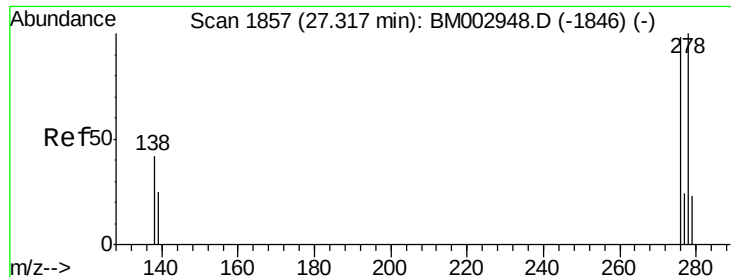
138 123.3 27.5 41.3#

277 33.0 19.3 28.9#



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





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 27.26 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

Instrument :

BNA_M

ClientSampleId :

JG9J7

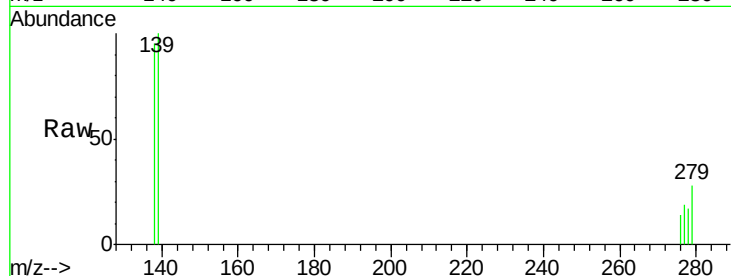
Tgt Ion:278 Resp: 393

Ion Ratio Lower Upper

278 100

139 599.6 21.7 32.5#

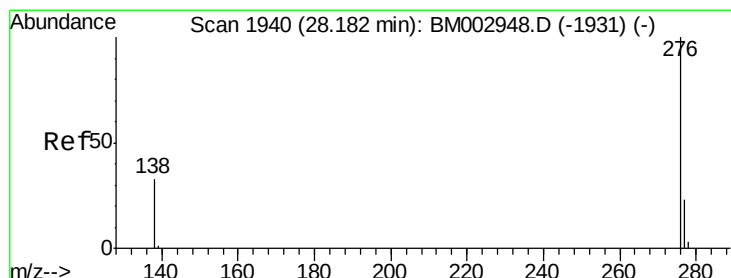
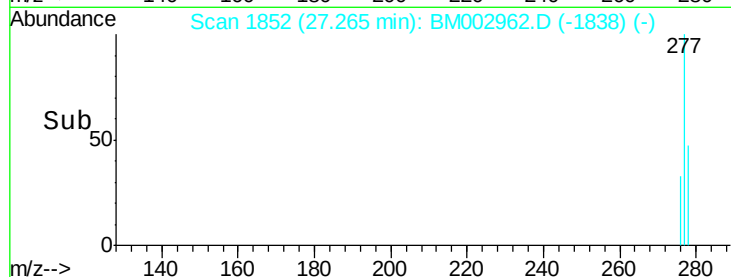
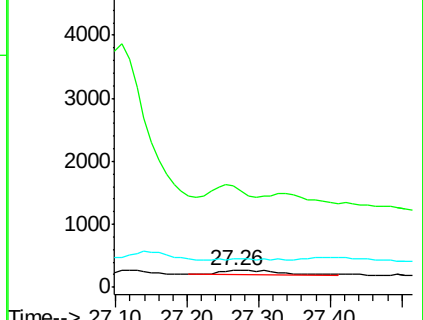
279 166.9 21.9 32.9#



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



#28

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 28.18 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BM002962.D

Acq: 22 Oct 2015 00:01

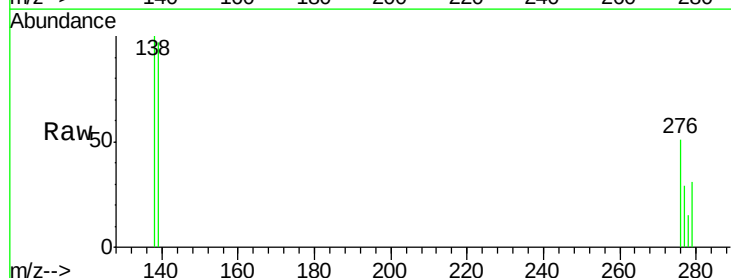
Tgt Ion:276 Resp: 1996

Ion Ratio Lower Upper

276 100

277 56.4 21.3 31.9#

138 195.8 25.5 38.3#



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

