

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089548.D
 Acq On : 7 Feb 2015 6:08
 Operator : TP/IZ
 Sample : G1243-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Quant Time: Feb 09 00:13:19 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	38018	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	149436	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	66080	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	128808	5.00	ng	0.00
16) Chrysene-d12	23.72	240	143838	5.00	ng	0.00
22) Perylene-d12	25.41	264	145827	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	93554	9.43	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	155541	8.82	ng	0.00
18) Terphenyl-d14	22.36	244	190177	10.02	ng	0.00

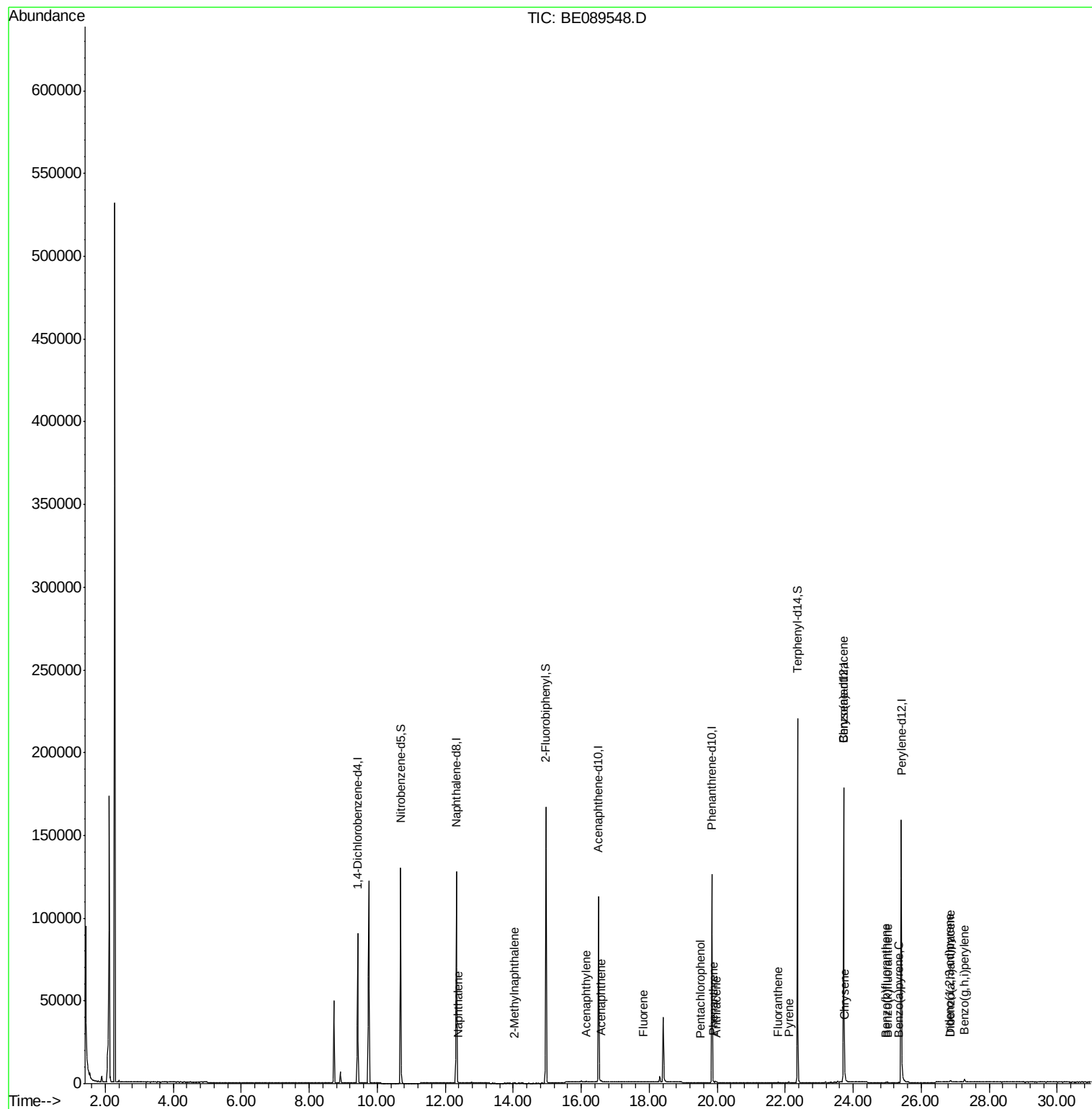
Target Compounds						Qvalue
4) Naphthalene	12.37	128	469	0.01	ng	# 62
5) 2-Methylnaphthalene	14.03	142	201	0.01	ng	# 78
8) Acenaphthylene	16.16	152	708	0.01	ng	# 68
9) Acenaphthene	16.59	154	177	0.01	ng	# 56
10) Fluorene	17.84	166	212	0.01	ng	# 80
12) Pentachlorophenol	19.51	266	8	0.54	ng	# 75
13) Phenanthrene	19.89	178	863	0.03	ng	97
14) Anthracene	19.98	178	320	0.01	ng	94
15) Fluoranthene	21.79	202	682	0.02	ng	98
17) Pyrene	22.10	202	703	0.02	ng	96
19) Benzo(a)anthracene	23.71	228	4600	0.04	ng	# 93
20) Chrysene	23.75	228	3749	0.03	ng	# 90
21) Indeno(1,2,3-cd)pyrene	26.84	276	2257	0.01	ng	# 92
23) Benzo(b)fluoranthene	24.97	252	554	0.02	ng	# 62
24) Benzo(k)fluoranthene	25.00	252	641	0.02	ng	# 67
25) Benzo(a)pyrene	25.34	252	518	0.02	ng	# 61
26) Dibenzo(a,h)anthracene	26.87	278	464	0.01	ng	# 39
27) Benzo(g,h,i)perylene	27.27	276	3256	0.02	ng	# 68

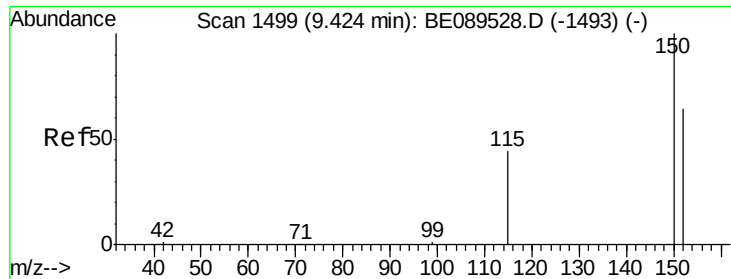
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampled :

MW-3

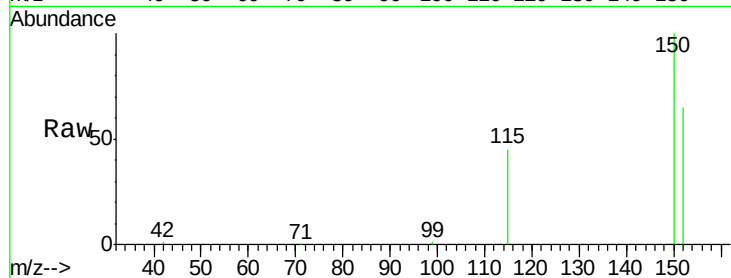
Tgt Ion:152 Resp: 38018

Ion Ratio Lower Upper

152 100

150 154.4 125.7 188.5

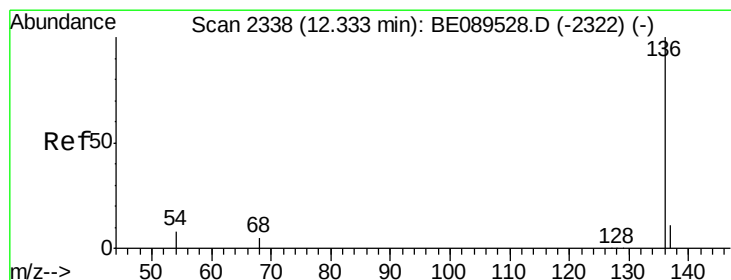
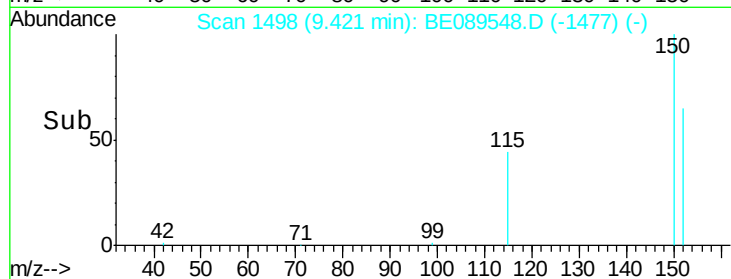
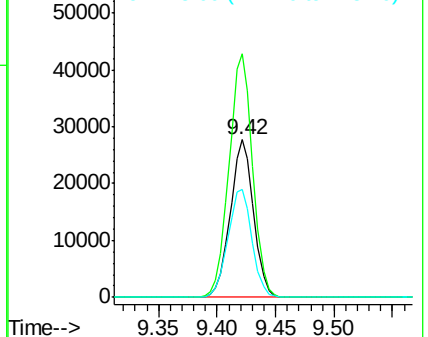
115 68.8 55.6 83.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

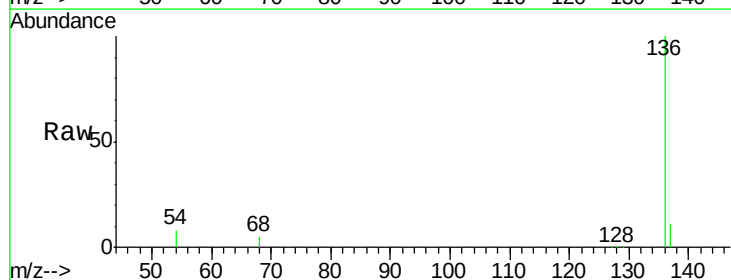
Tgt Ion:136 Resp: 149436

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

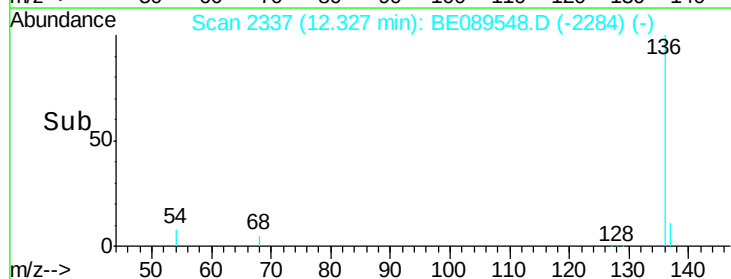
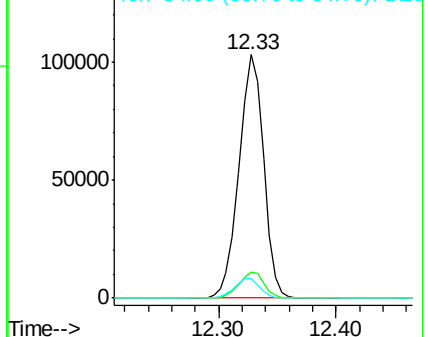
54 7.8 6.1 9.1

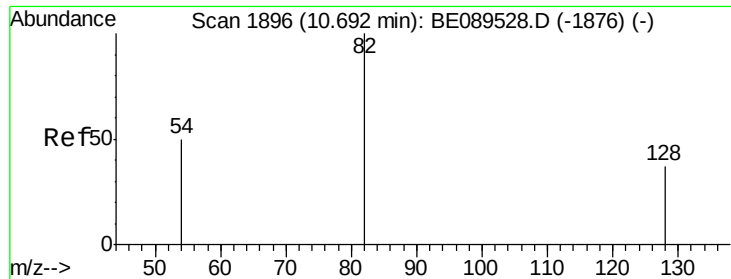


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 9.43 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

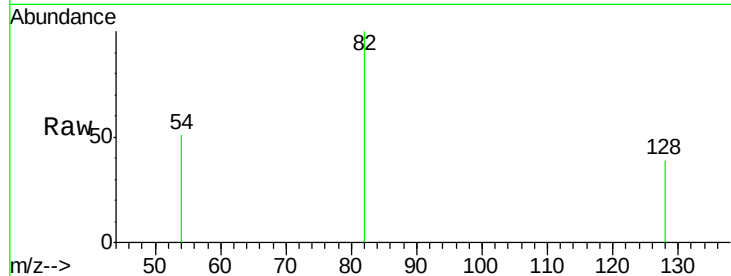
Tgt Ion: 82 Resp: 93554

Ion Ratio Lower Upper

82 100

128 39.4 30.2 45.4

54 51.1 40.6 60.8

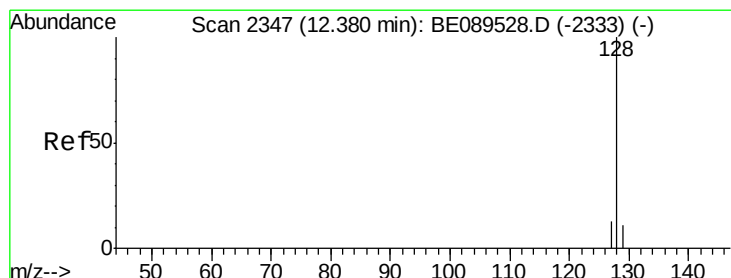
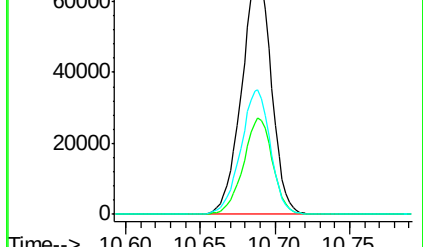
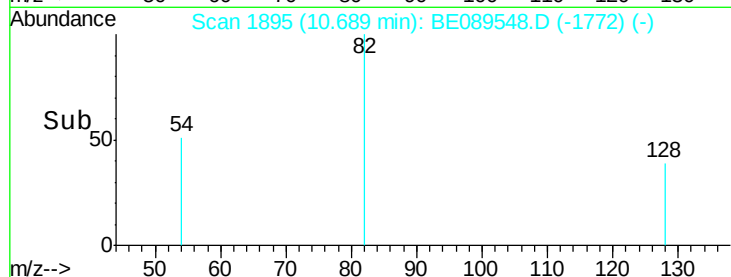


Abundance Ion 82.00 (81.70 to 82.70): BE089528.D (-1876) (-)

Ion 128.00 (127.70 to 128.70): BE089528.D (-1876) (-)

Ion 54.00 (53.70 to 54.70): BE089528.D (-1876) (-)

Time-->



#4

Naphthalene

Concen: 0.01 ng

RT: 12.37 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

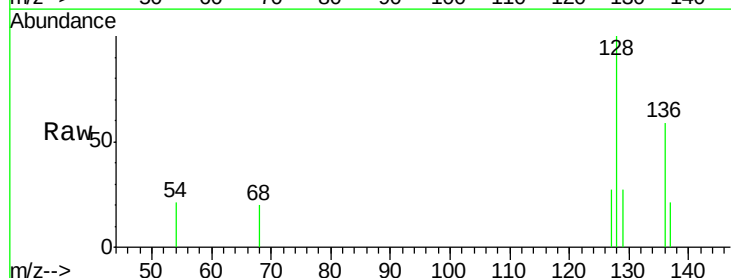
Tgt Ion: 128 Resp: 469

Ion Ratio Lower Upper

128 100

129 26.9 9.1 13.7#

127 27.2 10.5 15.7#

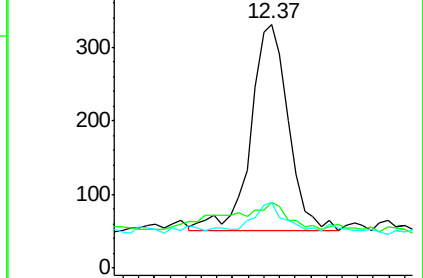
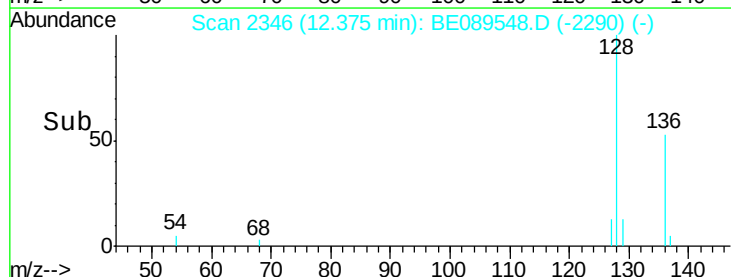


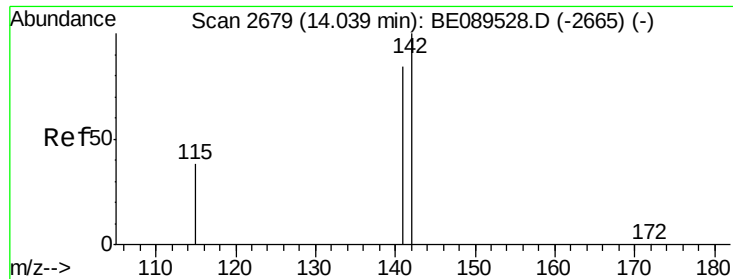
Abundance Ion 128.00 (127.70 to 128.70): BE089528.D (-2333) (-)

Ion 129.00 (128.70 to 129.70): BE089528.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): BE089528.D (-2333) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.01 ng

RT: 14.03 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

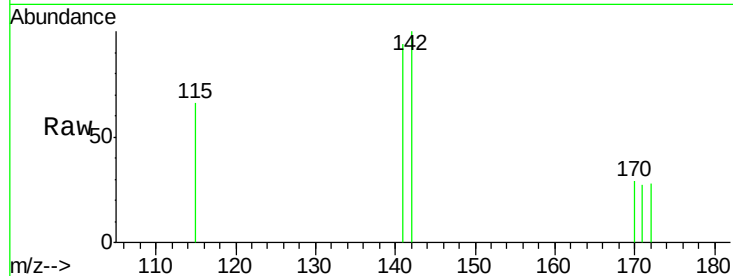
Tgt Ion:142 Resp: 201

Ion Ratio Lower Upper

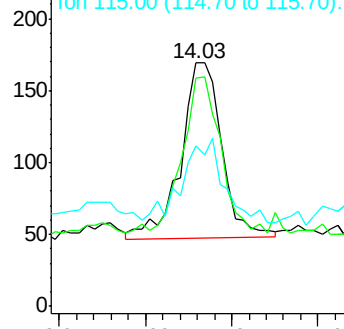
142 100

141 94.1 67.0 100.6

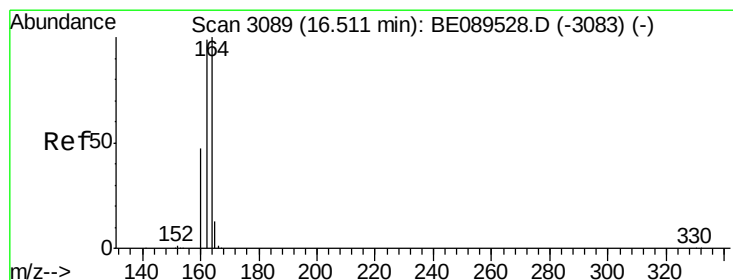
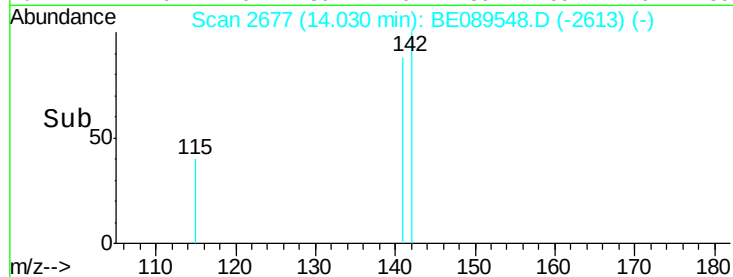
115 66.3 30.6 45.8#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

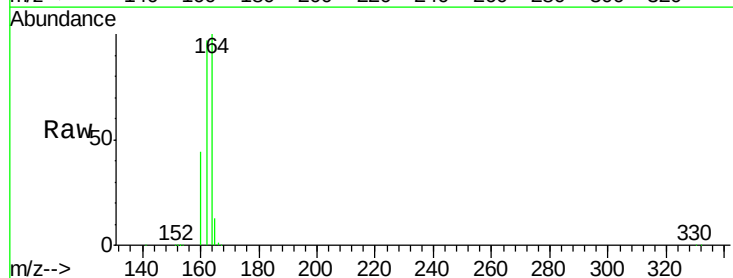
Tgt Ion:164 Resp: 66080

Ion Ratio Lower Upper

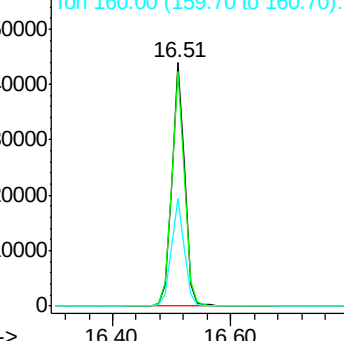
164 100

162 96.6 79.5 119.3

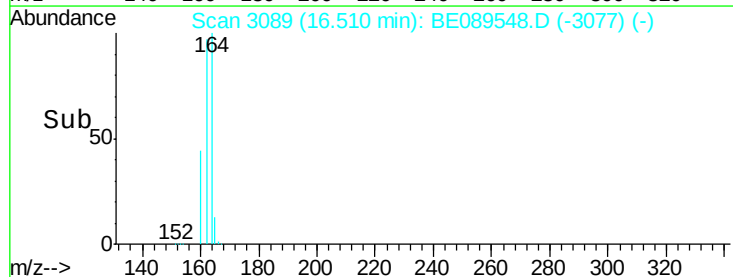
160 44.5 37.6 56.4

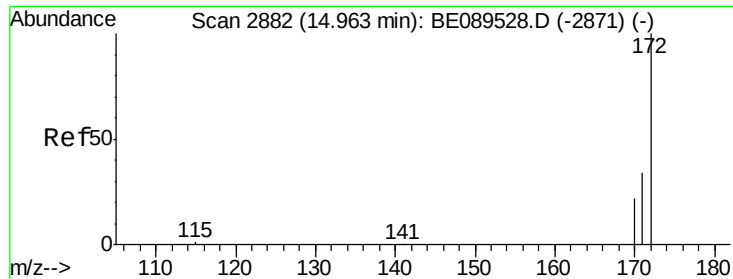


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





#7

2-Fluorobiphenyl

Concen: 8.82 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

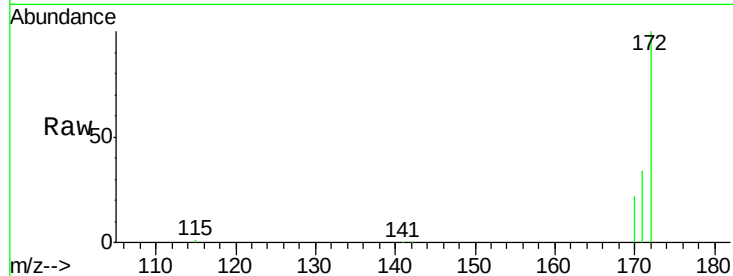
Tgt Ion:172 Resp: 155541

Ion Ratio Lower Upper

172 100

171 33.9 27.7 41.5

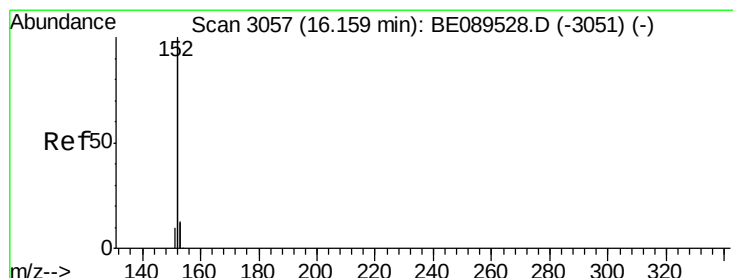
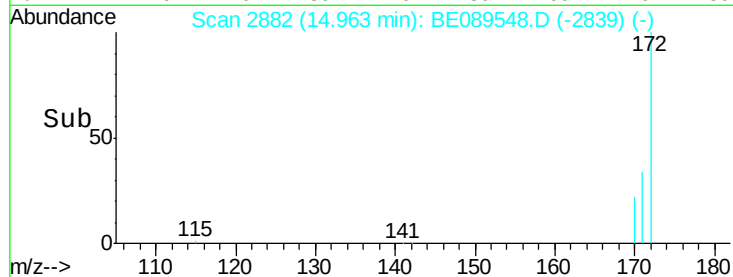
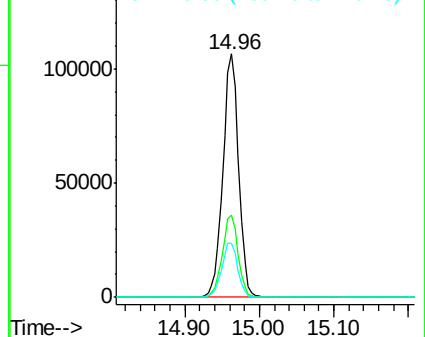
170 22.3 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 0.01 ng

RT: 16.16 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

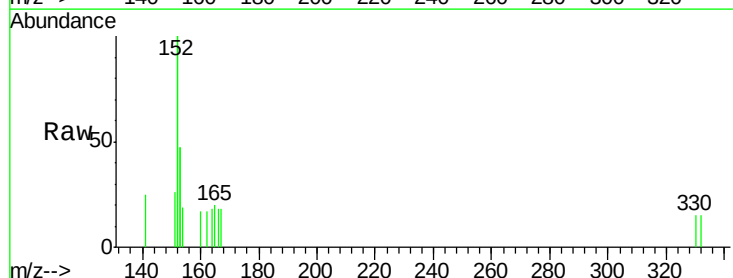
Tgt Ion:152 Resp: 708

Ion Ratio Lower Upper

152 100

151 8.2 4.0 6.0#

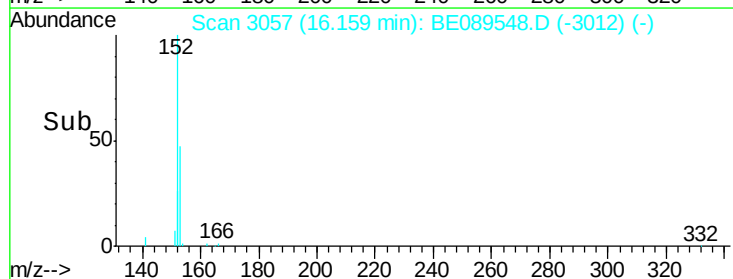
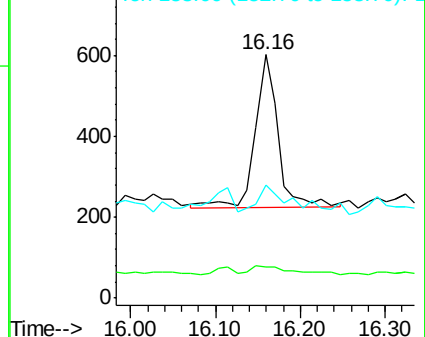
153 29.2 10.6 15.8#

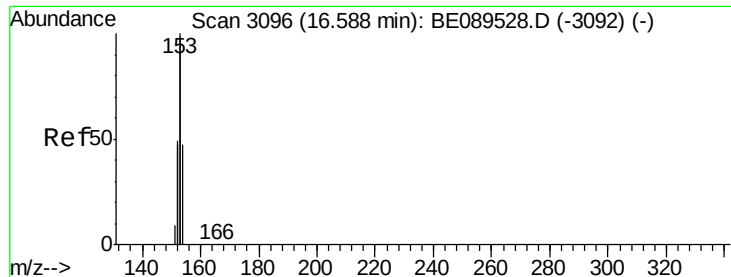


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.01 ng

RT: 16.59 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

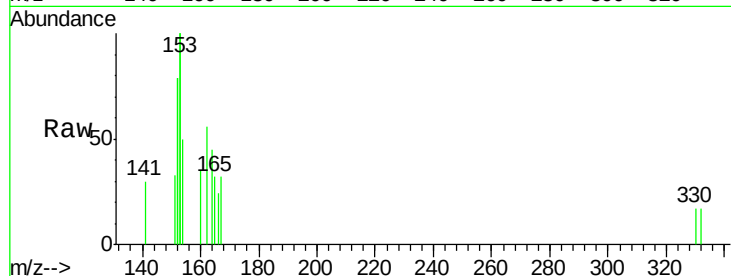
Tgt Ion:154 Resp: 177

Ion Ratio Lower Upper

154 100

153 400.0 340.8 511.2

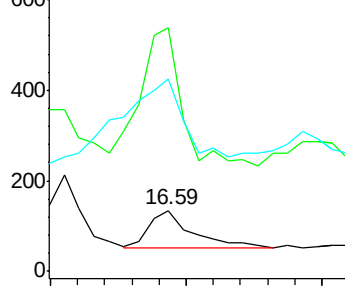
152 381.9 165.5 248.3#



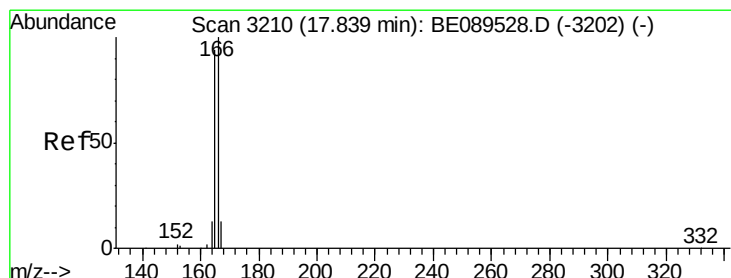
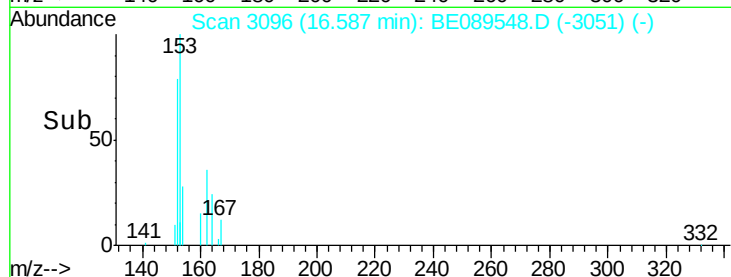
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time--> 16.50



#10

Fluorene

Concen: 0.01 ng

RT: 17.84 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

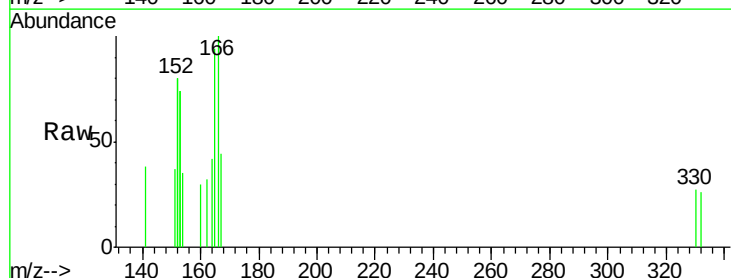
Tgt Ion:166 Resp: 212

Ion Ratio Lower Upper

166 100

165 111.8 75.5 113.3

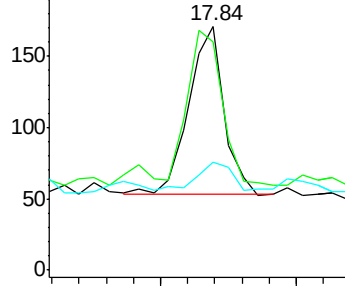
167 26.4 10.9 16.3#



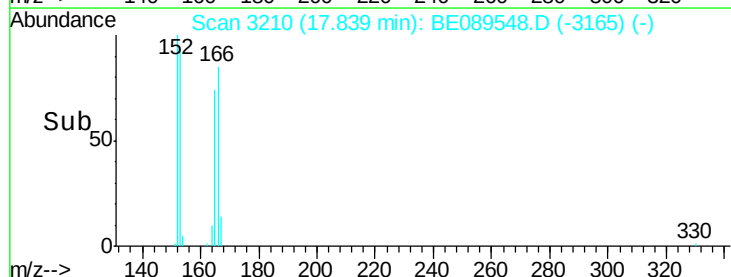
Abundance Ion 166.00 (165.70 to 166.70): E

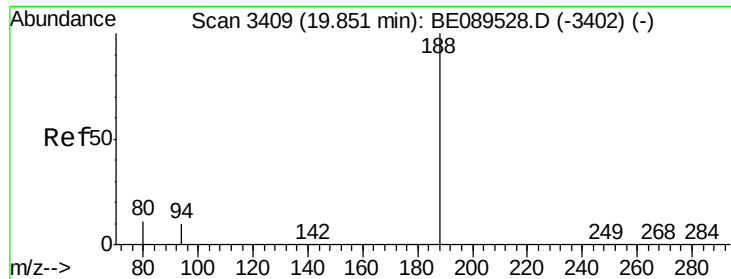
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 17.80

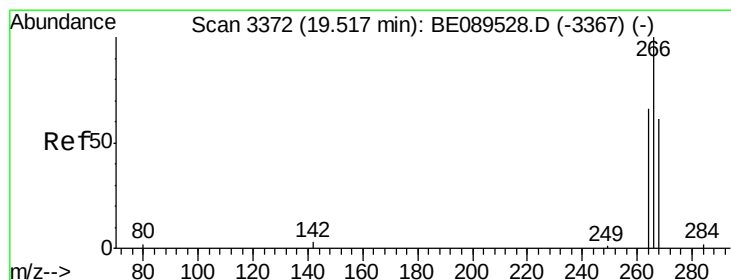
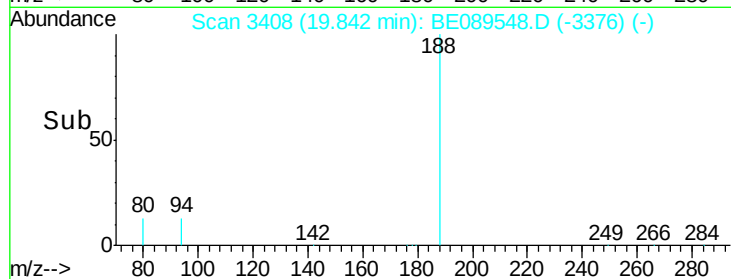
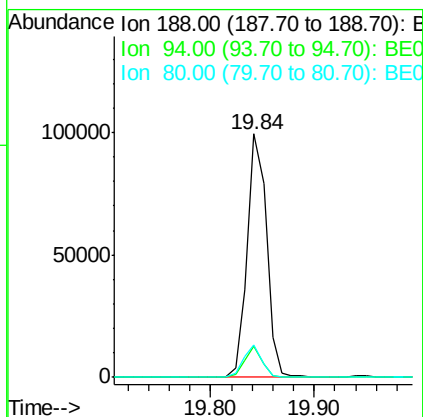
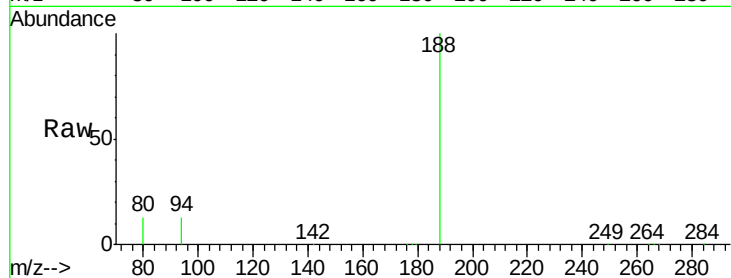




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.01 min
Lab File: BE089548.D
Acq: 7 Feb 2015 6:08

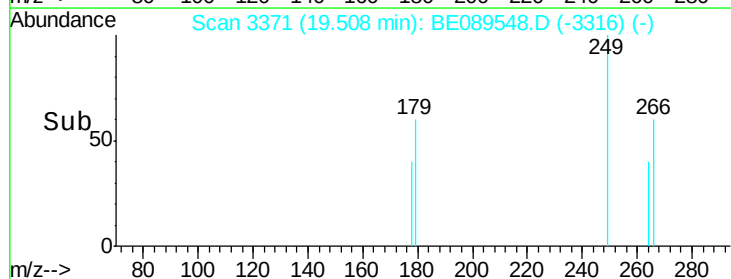
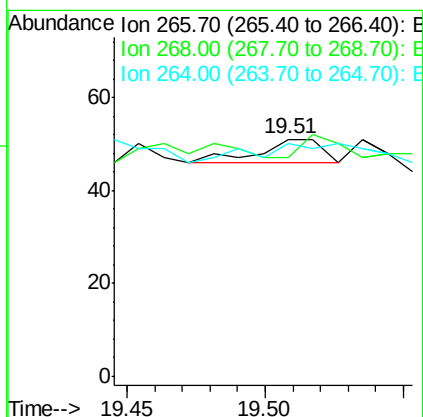
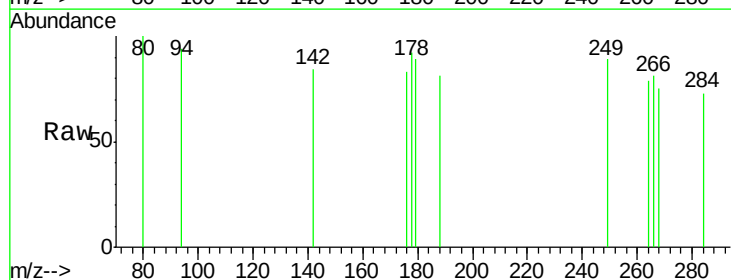
Instrument :
BNA_E
ClientSampled :
MW-3

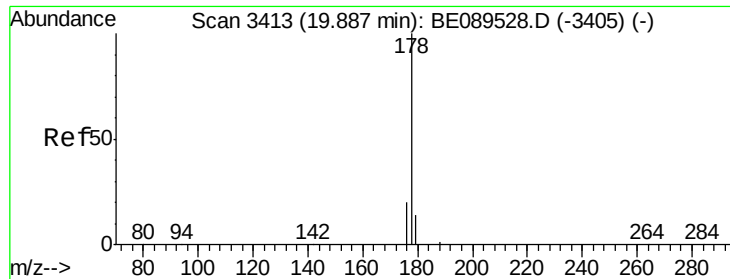
Tgt Ion:188 Resp: 128808
Ion Ratio Lower Upper
188 100
94 12.8 8.4 12.6#
80 13.4 8.6 12.8#



#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.51 min Scan# 3371
Delta R.T. -0.01 min
Lab File: BE089548.D
Acq: 7 Feb 2015 6:08

Tgt Ion:266 Resp: 8
Ion Ratio Lower Upper
266 100
268 92.2 57.9 86.9#
264 98.0 60.2 90.4#





#13

Phenanthrene

Concen: 0.03 ng

RT: 19.89 min Scan# 3413

Delta R.T. 0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

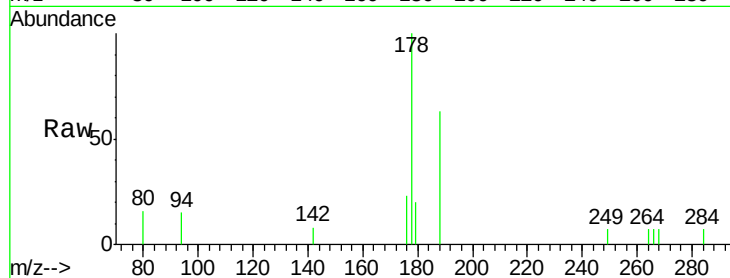
Tgt Ion:178 Resp: 863

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

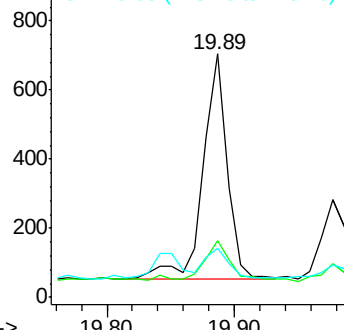
179 12.4 12.2 18.2



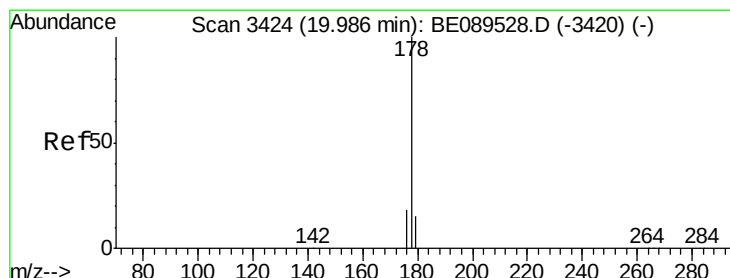
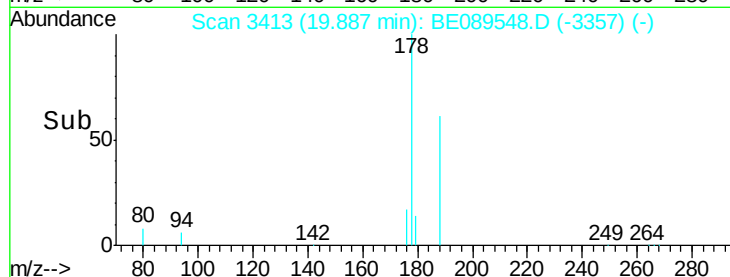
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#14

Anthracene

Concen: 0.01 ng

RT: 19.98 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

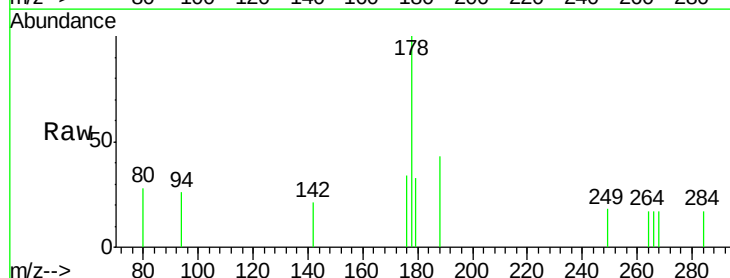
Tgt Ion:178 Resp: 320

Ion Ratio Lower Upper

178 100

176 21.6 14.5 21.7

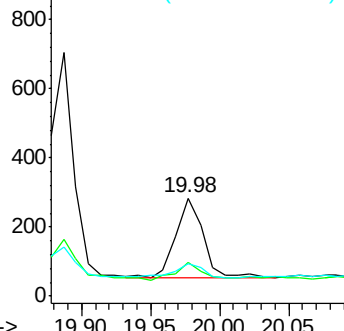
179 16.9 12.2 18.2



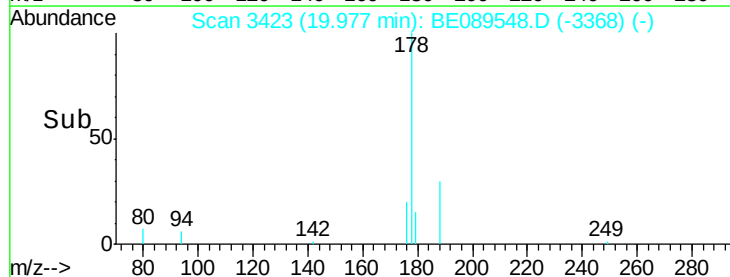
Abundance Ion 178.00 (177.70 to 178.70): E

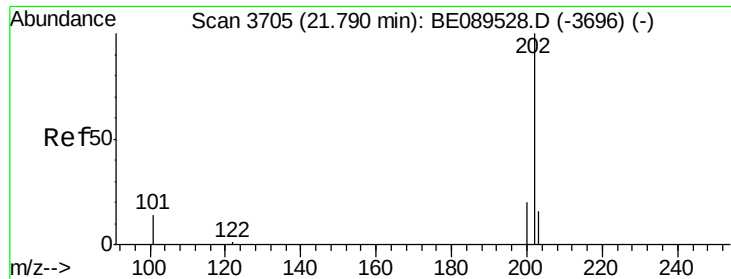
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

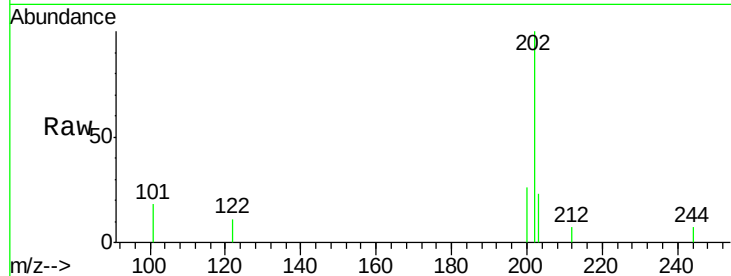




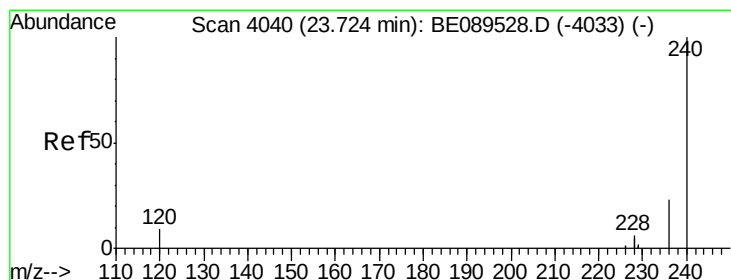
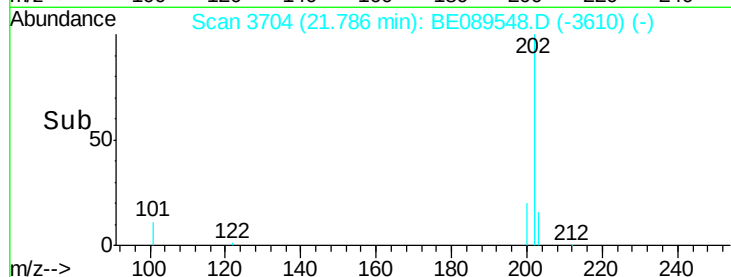
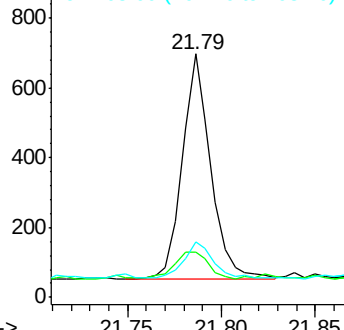
#15
 Fluoranthene
 Concen: 0.02 ng
 RT: 21.79 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089548.D
 Acq: 7 Feb 2015 6:08

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Tgt Ion: 202 Resp: 682
 Ion Ratio Lower Upper
 202 100
 101 13.8 11.6 17.4
 203 16.4 13.6 20.4

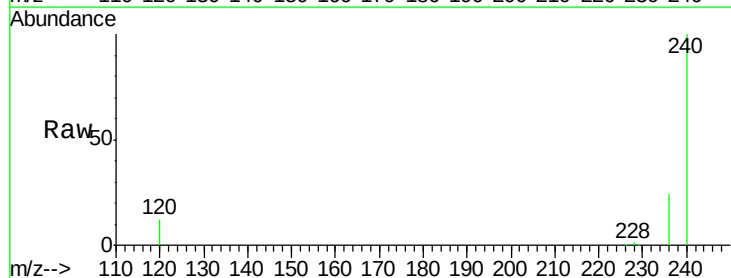


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

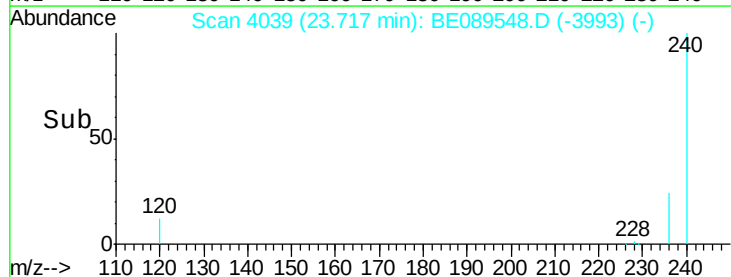
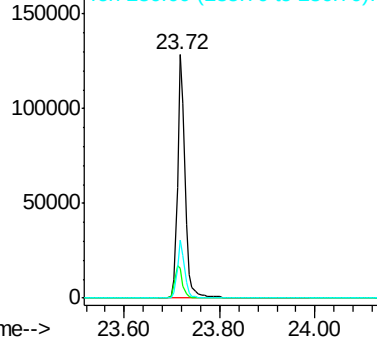


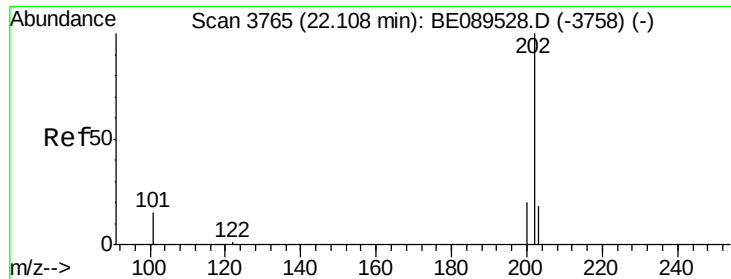
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089548.D
 Acq: 7 Feb 2015 6:08

Tgt Ion: 240 Resp: 143838
 Ion Ratio Lower Upper
 240 100
 120 12.2 7.2 10.8#
 236 24.0 18.5 27.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

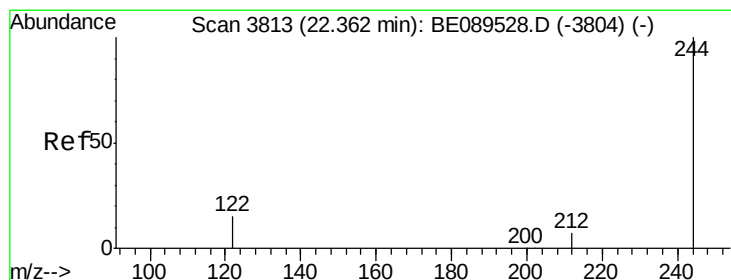
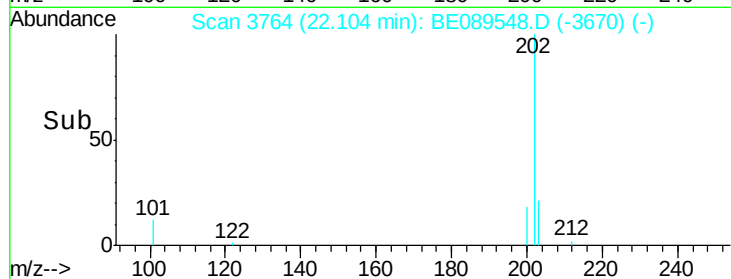
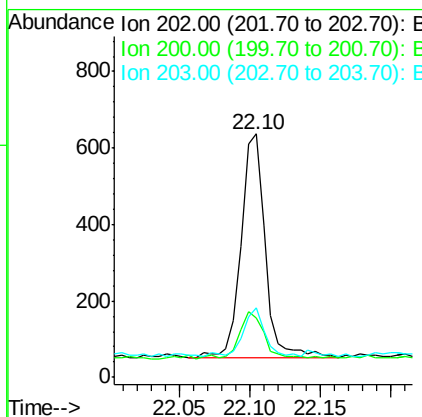
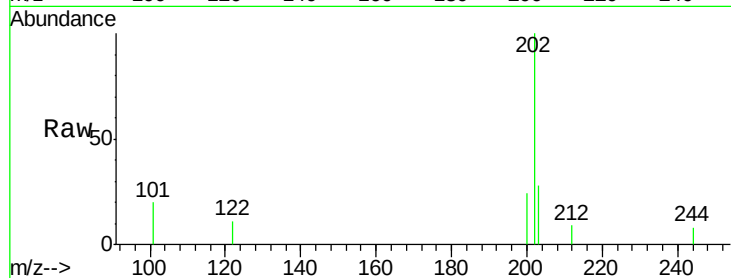




#17
 Pyrene
 Concen: 0.02 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BE089548.D
 Acq: 7 Feb 2015 6:08

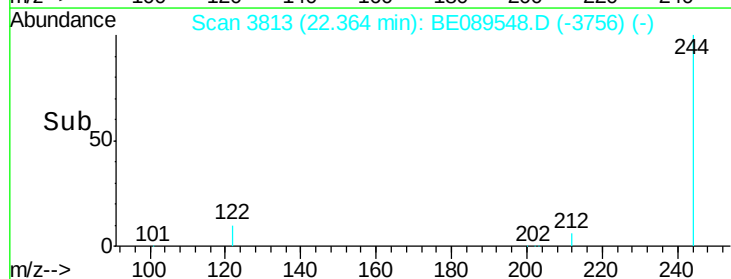
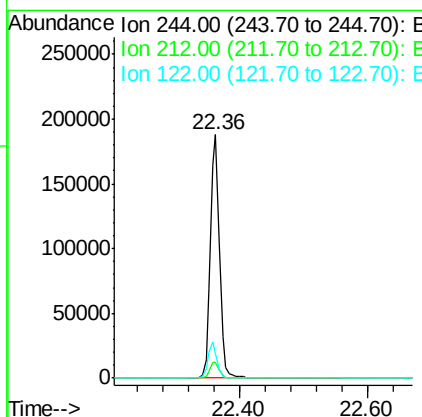
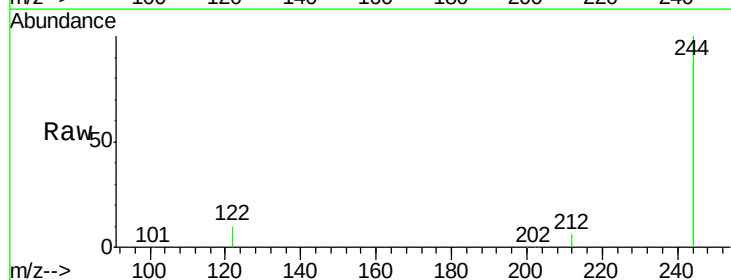
Instrument :
 BNA_E
 ClientSampleId :
 MW-3

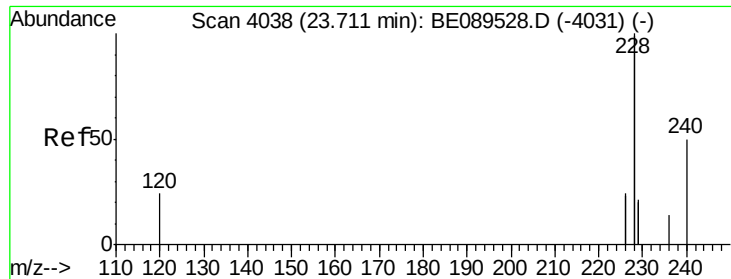
Tgt Ion: 202 Resp: 703
 Ion Ratio Lower Upper
 202 100
 200 22.8 16.3 24.5
 203 18.5 13.5 20.3



#18
 Terphenyl-d14
 Concen: 10.02 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089548.D
 Acq: 7 Feb 2015 6:08

Tgt Ion: 244 Resp: 190177
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 10.4 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.04 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

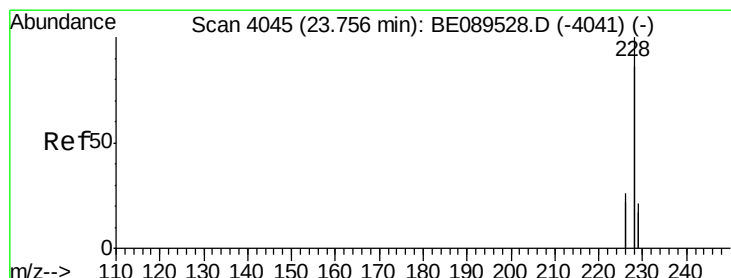
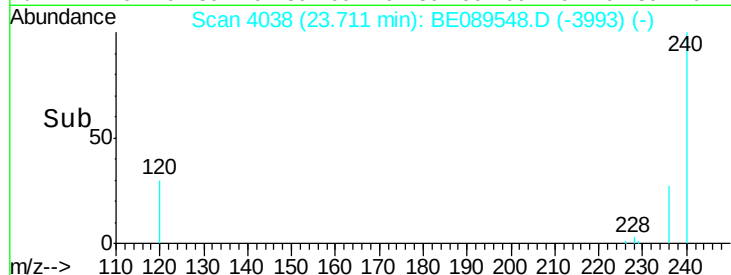
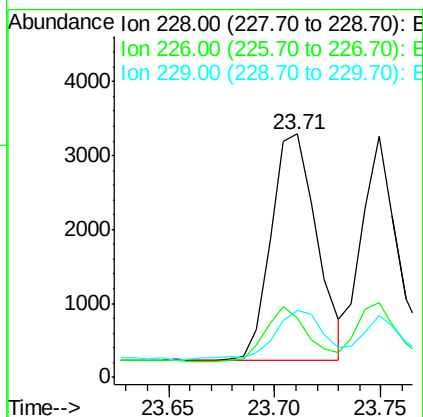
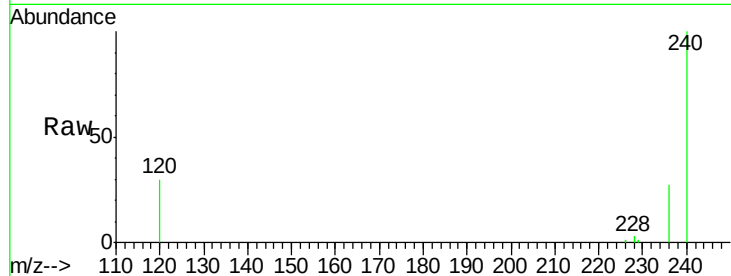
Tgt Ion:228 Resp: 4600

Ion Ratio Lower Upper

228 100

226 24.1 19.0 28.4

229 27.7 16.8 25.2#



#20

Chrysene

Concen: 0.03 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

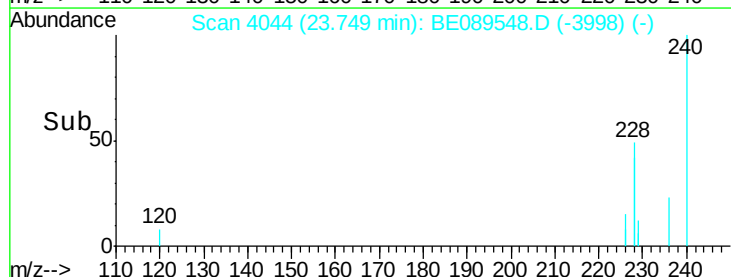
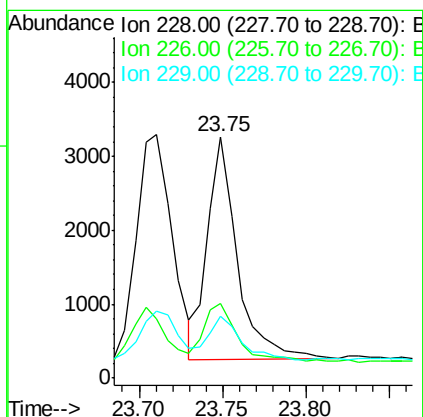
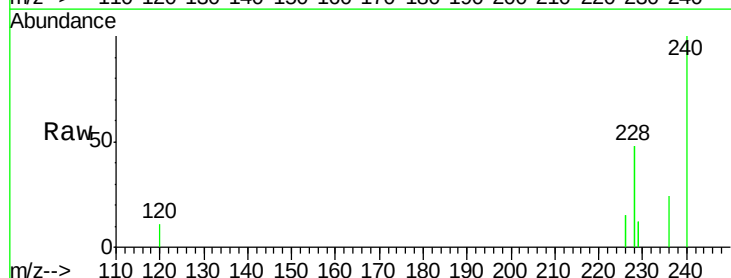
Tgt Ion:228 Resp: 3749

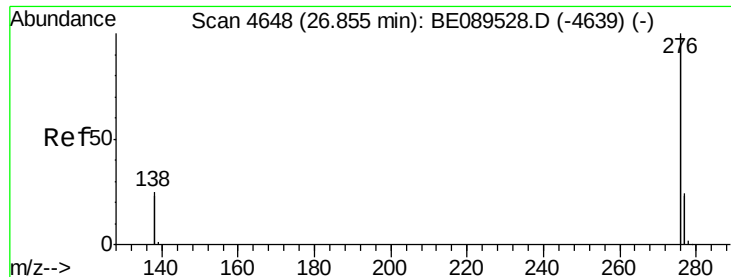
Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

229 25.6 16.7 25.1#





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 26.84 min Scan# 4646

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

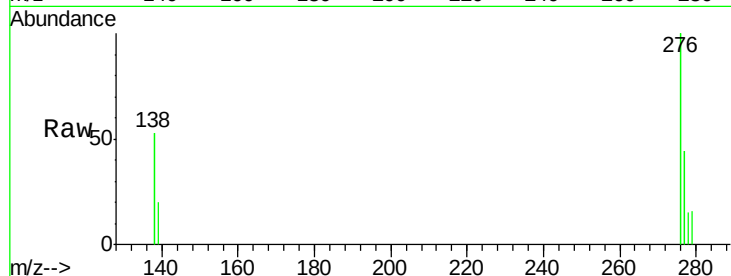
Tgt Ion:276 Resp: 2257

Ion Ratio Lower Upper

276 100

138 26.5 23.0 34.4

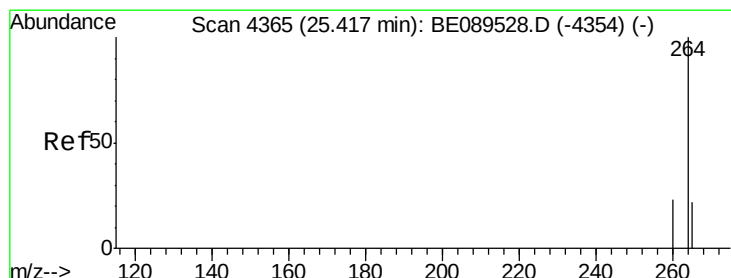
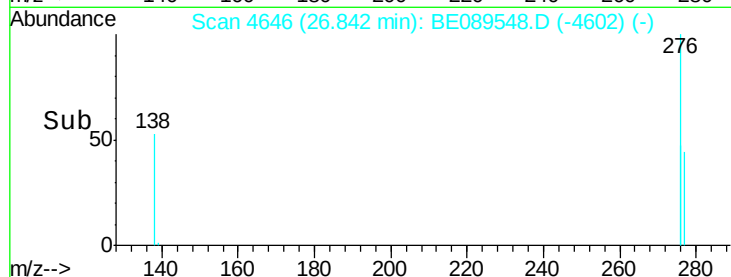
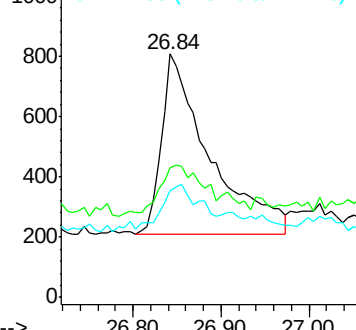
277 18.5 19.9 29.9#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.41 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

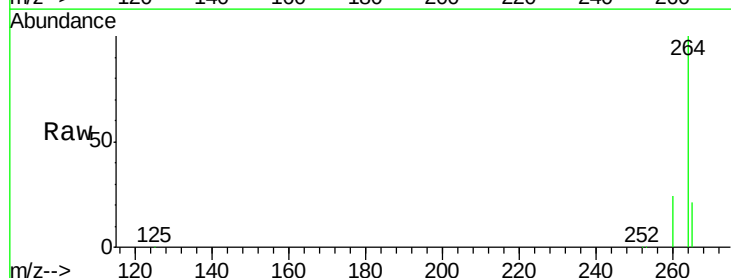
Tgt Ion:264 Resp: 145827

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

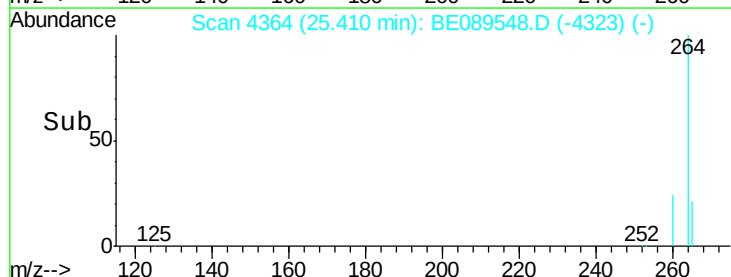
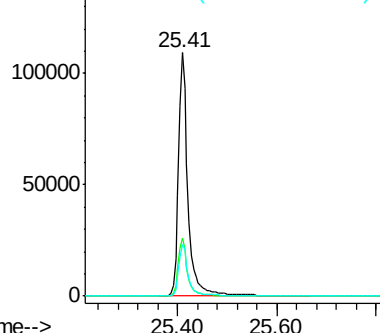
265 21.1 17.5 26.3

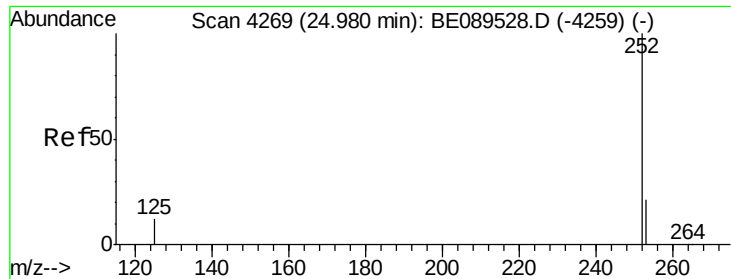


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 24.97 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

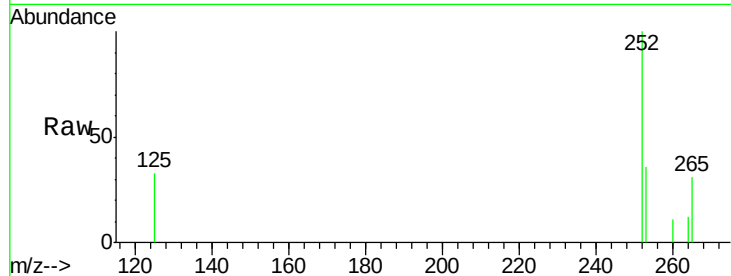
Tgt Ion:252 Resp: 554

Ion Ratio Lower Upper

252 100

253 36.4 17.4 26.0#

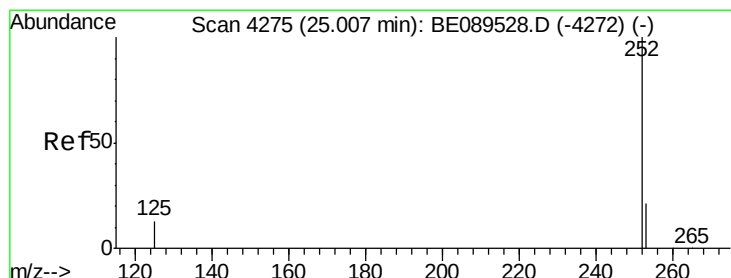
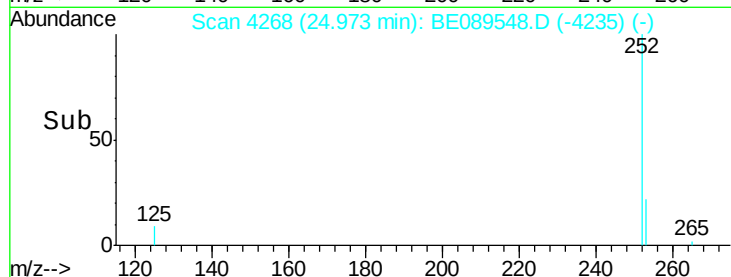
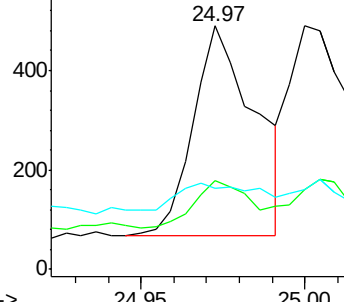
125 33.1 10.4 15.6#



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



#24

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 25.00 min Scan# 4274

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

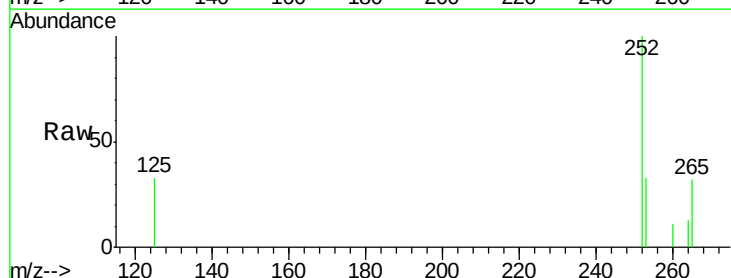
Tgt Ion:252 Resp: 641

Ion Ratio Lower Upper

252 100

253 32.9 17.2 25.8#

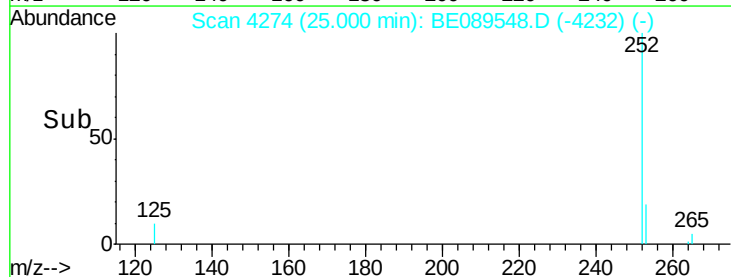
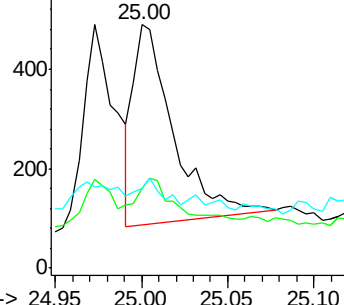
125 32.7 10.6 15.8#

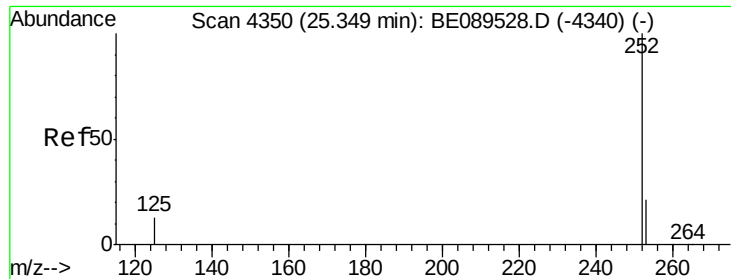


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.02 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

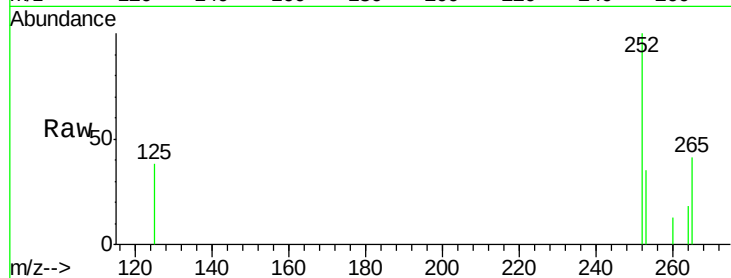
Tgt Ion: 252 Resp: 518

Ion Ratio Lower Upper

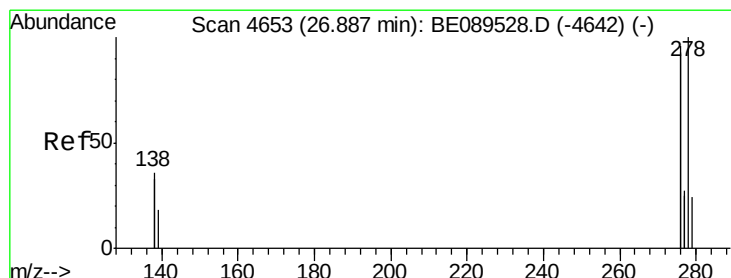
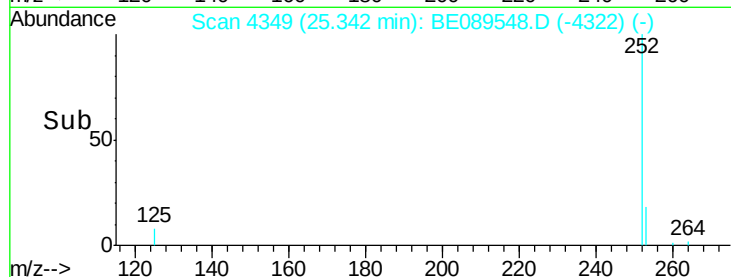
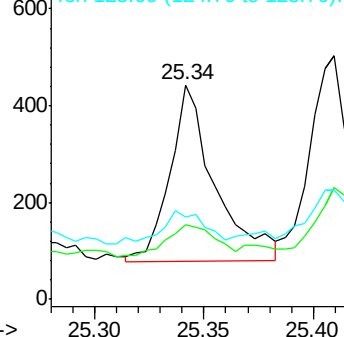
252 100

253 34.8 17.8 26.6#

125 38.4 11.4 17.2#



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

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 26.87 min Scan# 4651

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

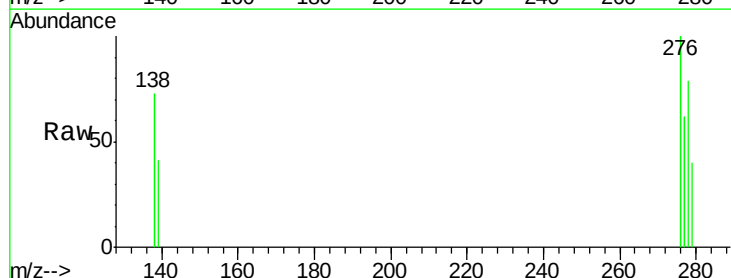
Tgt Ion: 278 Resp: 464

Ion Ratio Lower Upper

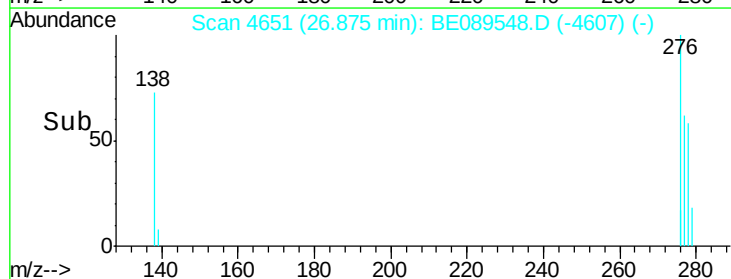
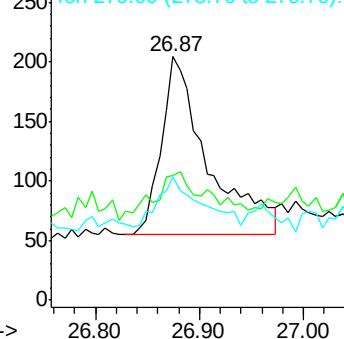
278 100

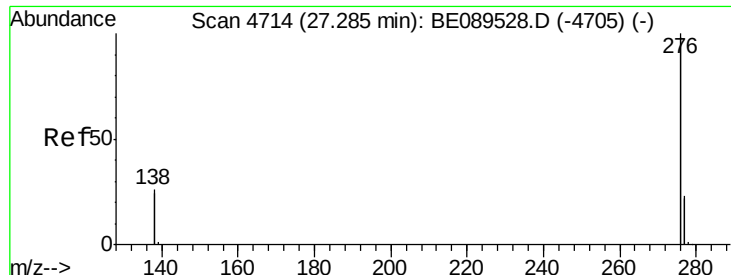
139 51.5 15.7 23.5#

279 51.0 19.5 29.3#



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





#27

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.27 min Scan# 4712

Delta R.T. -0.01 min

Lab File: BE089548.D

Acq: 7 Feb 2015 6:08

Instrument :

BNA_E

ClientSampleId :

MW-3

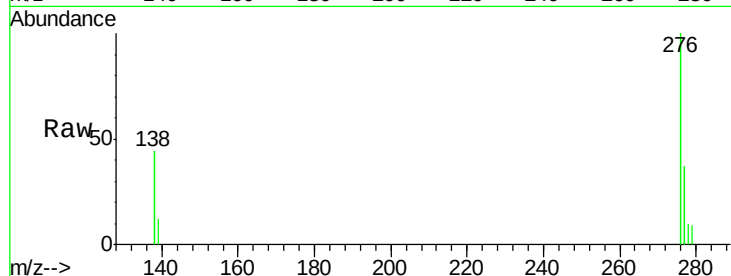
Tgt Ion: 276 Resp: 3256

Ion Ratio Lower Upper

276 100

277 37.1 18.6 27.8#

138 44.2 20.9 31.3#



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

