

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089549.D
 Acq On : 7 Feb 2015 6:47
 Operator : TP/IZ
 Sample : G1243-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Quant Time: Feb 09 00:13:45 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	30130	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	109310	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	39278	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	64606	5.00	ng	0.00
16) Chrysene-d12	23.72	240	77097	5.00	ng	0.00
22) Perylene-d12	25.41	264	91569	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	54468	7.50	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	86929	8.30	ng	0.00
18) Terphenyl-d14	22.36	244	96932	9.53	ng	0.00

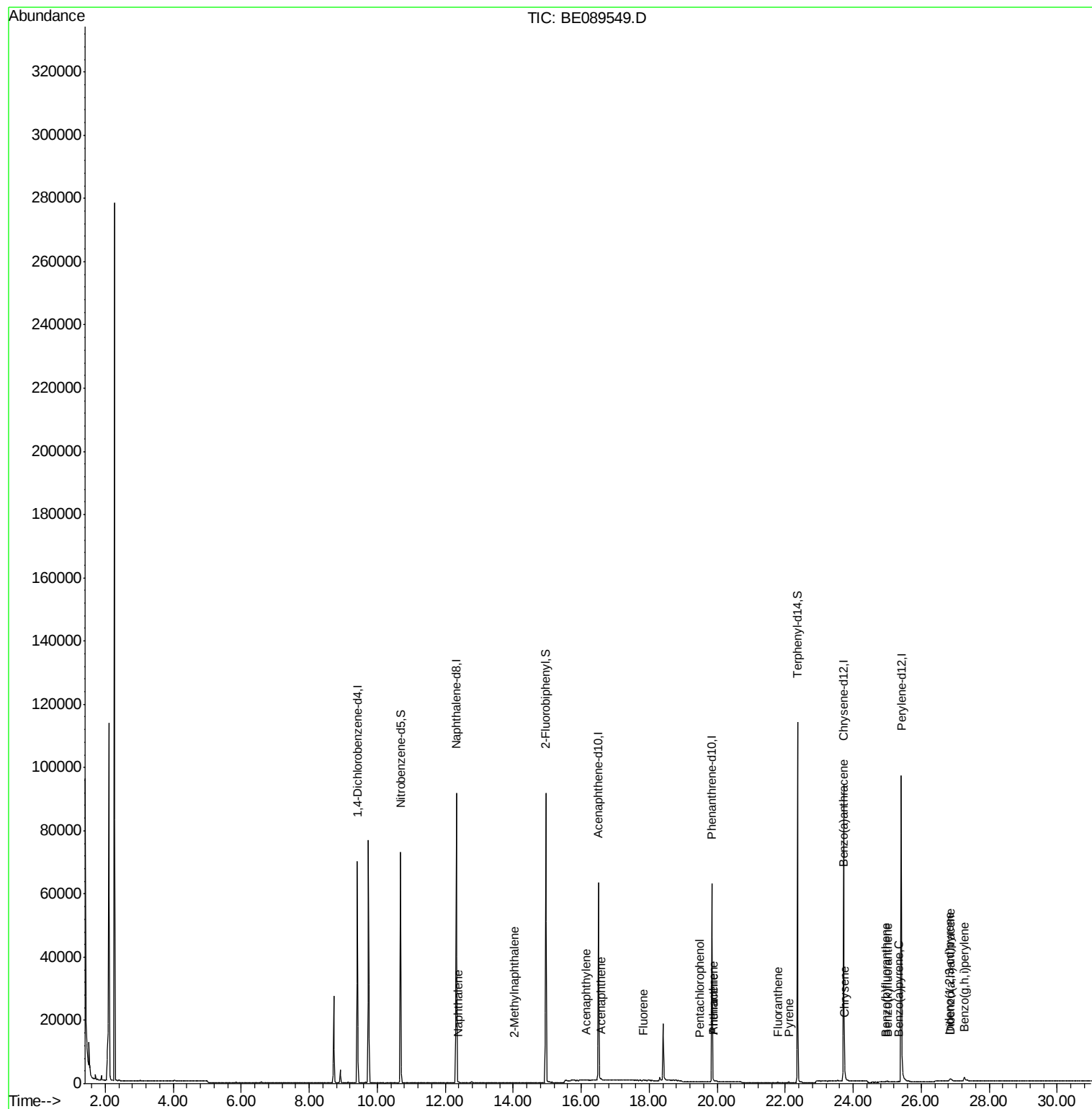
Target Compounds						Qvalue
4) Naphthalene	12.38	128	248	0.01	ng	# 53
5) 2-Methylnaphthalene	14.03	142	115	0.01	ng	# 78
8) Acenaphthylene	16.16	152	316	0.00	ng	# 93
9) Acenaphthene	16.58	154	81	0.01	ng	# 1
10) Fluorene	17.84	166	125	0.01	ng	# 54
12) Pentachlorophenol	19.49	266	6	0.54	ng	# 78
13) Phenanthrene	19.89	178	441	0.03	ng	95
14) Anthracene	19.89	178	441	0.03	ng	93
15) Fluoranthene	21.79	202	261	0.02	ng	# 89
17) Pyrene	22.10	202	271	0.02	ng	# 91
19) Benzo(a)anthracene	23.70	228	2104	0.03	ng	# 81
20) Chrysene	23.75	228	1882	0.03	ng	# 73
21) Indeno(1,2,3-cd)pyrene	26.84	276	1485	0.02	ng	97
23) Benzo(b)fluoranthene	24.98	252	298	0.02	ng	# 51
24) Benzo(k)fluoranthene	25.00	252	399	0.02	ng	# 42
25) Benzo(a)pyrene	25.34	252	284	0.02	ng	# 32
26) Dibenzo(a,h)anthracene	26.87	278	356	0.02	ng	# 30
27) Benzo(g,h,i)perylene	27.27	276	2491	0.03	ng	# 64

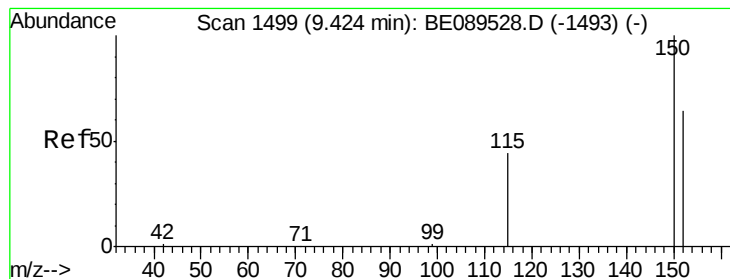
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

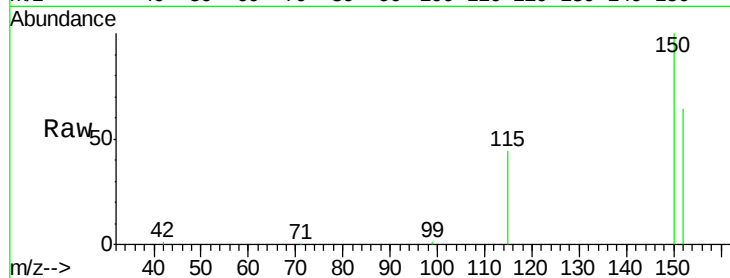
Tgt Ion:152 Resp: 30130

Ion Ratio Lower Upper

152 100

150 157.3 125.7 188.5

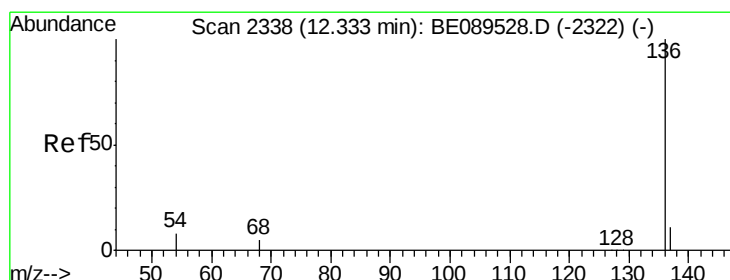
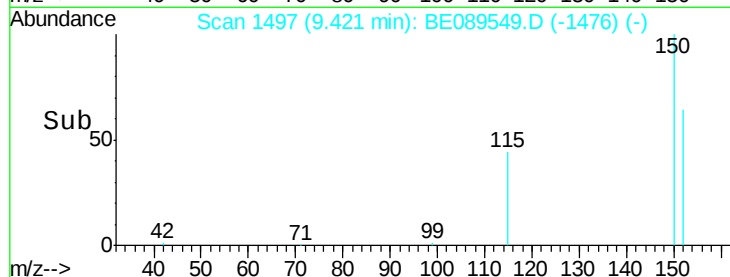
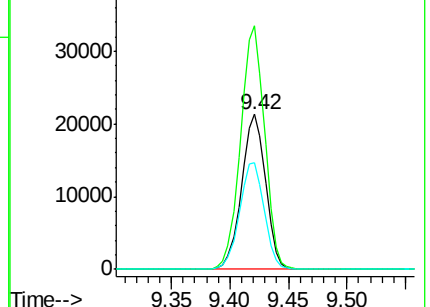
115 69.0 55.6 83.4



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. -0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

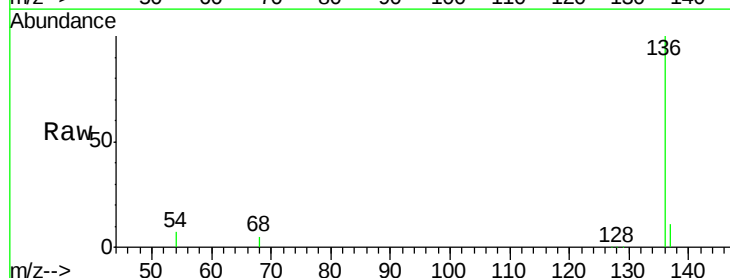
Tgt Ion:136 Resp: 109310

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

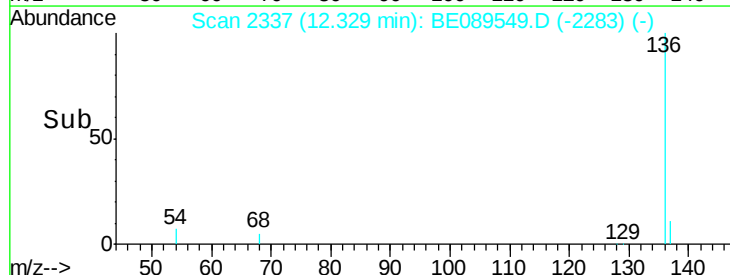
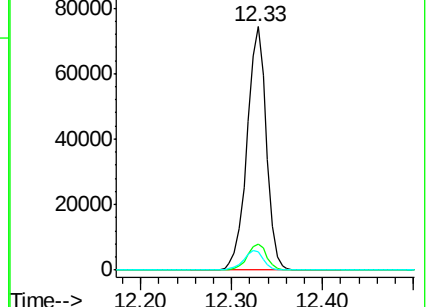
54 7.3 6.1 9.1



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: 7.50 ng

RT: 10.69 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

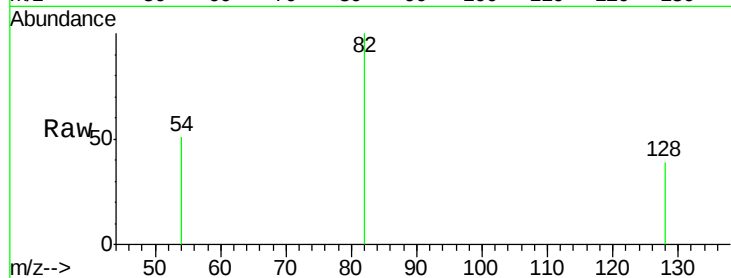
Tgt Ion: 82 Resp: 54468

Ion Ratio Lower Upper

82 100

128 38.6 30.2 45.4

54 51.2 40.6 60.8

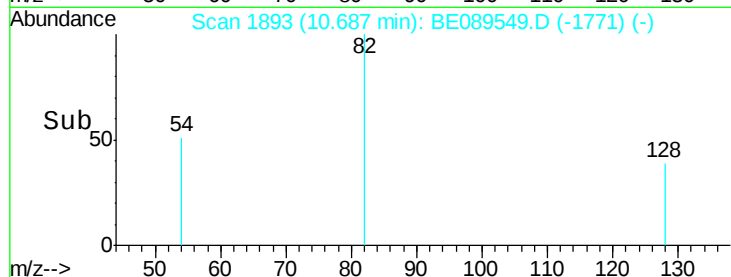


Abundance Ion 82.00 (81.70 to 82.70): BE089528.D (-1876) (-)

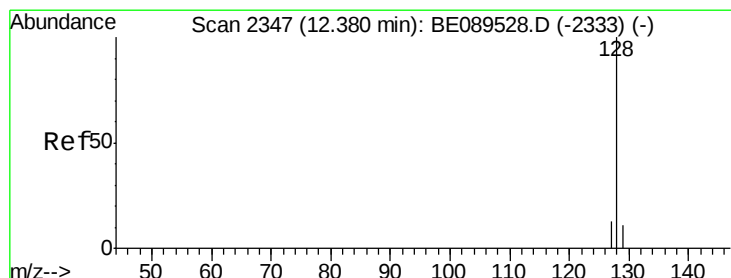
Ion 128.00 (127.70 to 128.70): BE089528.D (-1876) (-)

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

Time-->



Time-->



#4

Naphthalene

Concen: 0.01 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

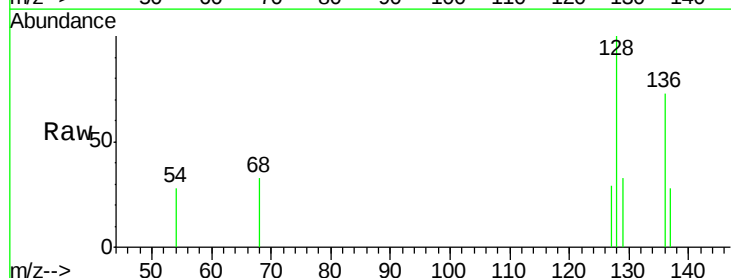
Tgt Ion: 128 Resp: 248

Ion Ratio Lower Upper

128 100

129 32.7 9.1 13.7#

127 29.0 10.5 15.7#

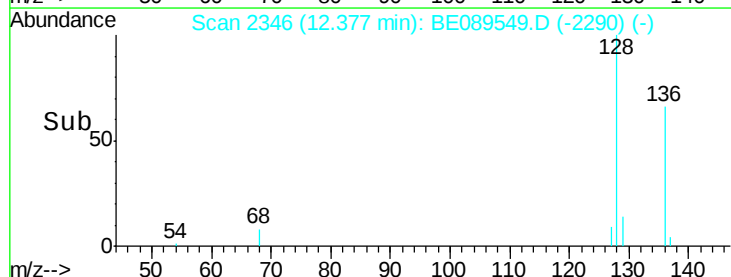


Abundance Ion 128.00 (127.70 to 128.70): BE089528.D (-2333) (-)

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

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

Time-->



Time-->

Time-->



#5

2-Methylnaphthalene

Concen: 0.01 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampled :

MW-2

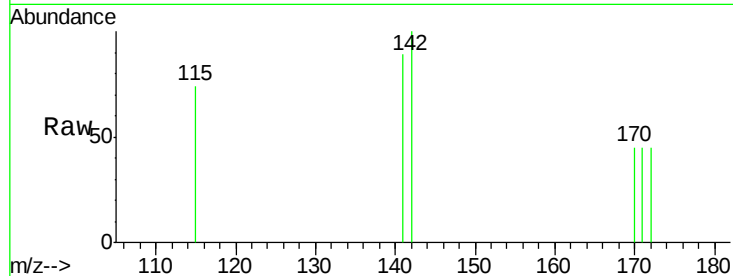
Tgt Ion:142 Resp: 115

Ion Ratio Lower Upper

142 100

141 89.1 67.0 100.6

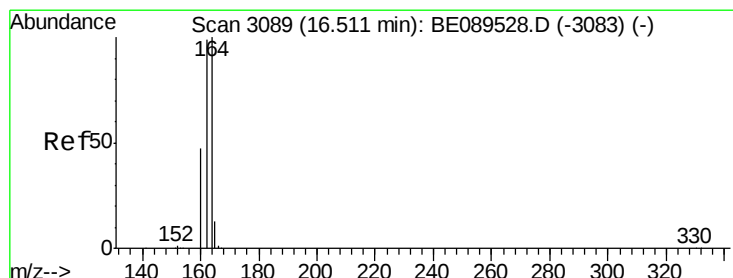
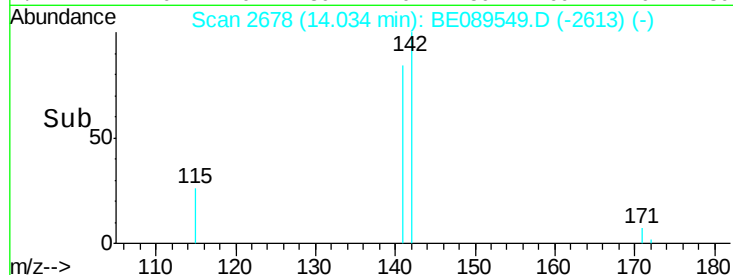
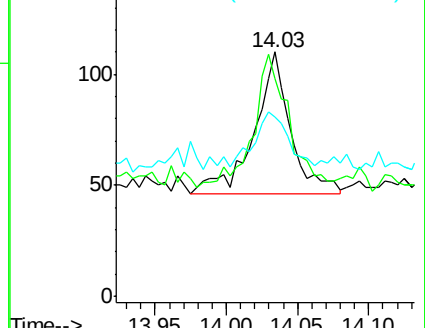
115 73.6 30.6 45.8#



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

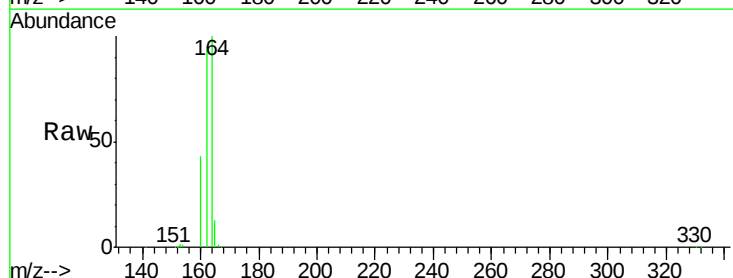
Tgt Ion:164 Resp: 39278

Ion Ratio Lower Upper

164 100

162 94.5 79.5 119.3

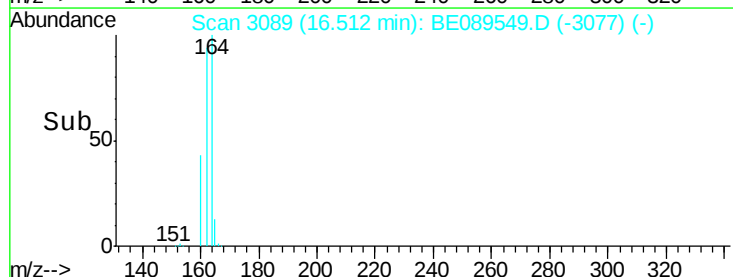
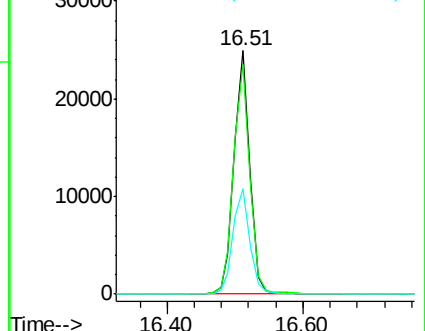
160 43.1 37.6 56.4



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





#7

2-Fluorobiphenyl

Concen: 8.30 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

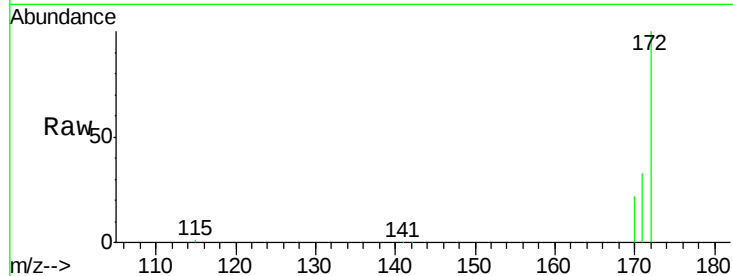
Tgt Ion:172 Resp: 86929

Ion Ratio Lower Upper

172 100

171 32.9 27.7 41.5

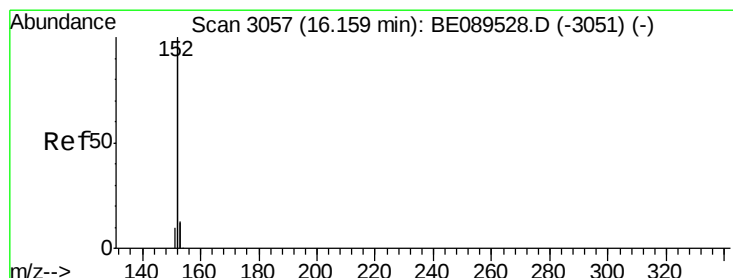
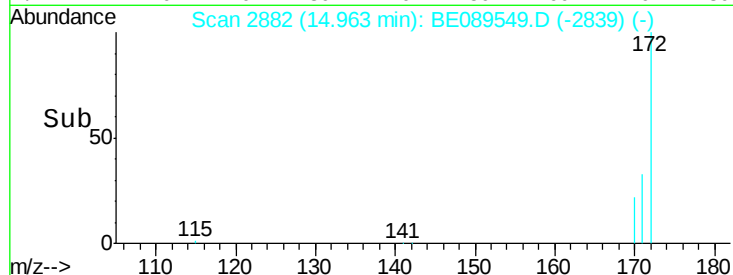
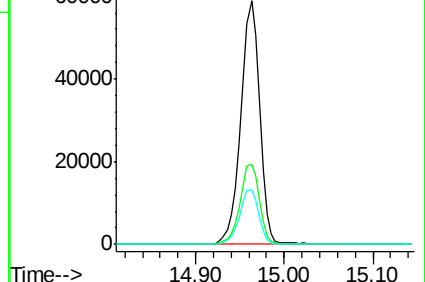
170 22.1 18.3 27.5



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: 0.00 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

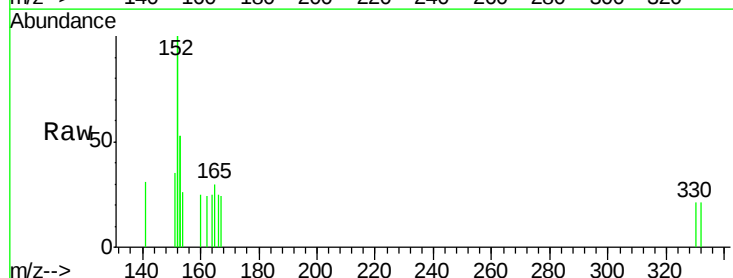
Tgt Ion:152 Resp: 316

Ion Ratio Lower Upper

152 100

151 7.9 4.0 6.0#

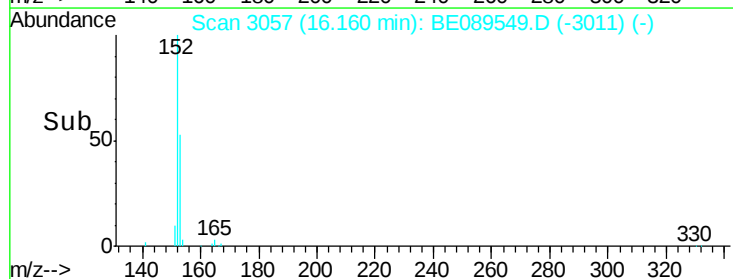
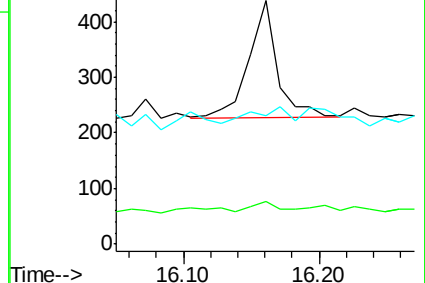
153 15.8 10.6 15.8

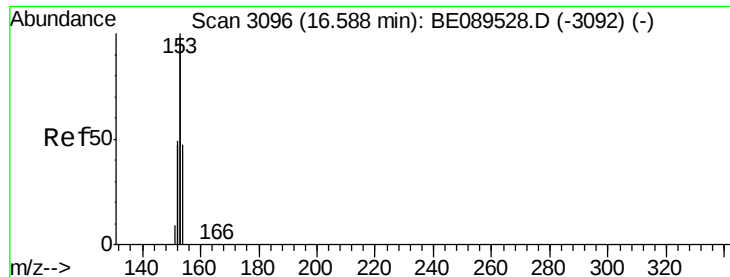


Abundance Ion 152.00 (151.70 to 152.70): E

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: 16.58 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

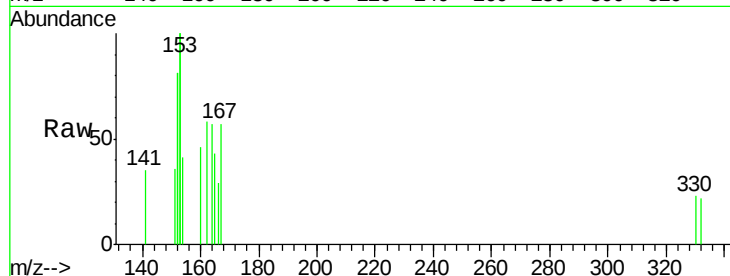
Tgt Ion:154 Resp: 81

Ion Ratio Lower Upper

154 100

153 803.7 340.8 511.2#

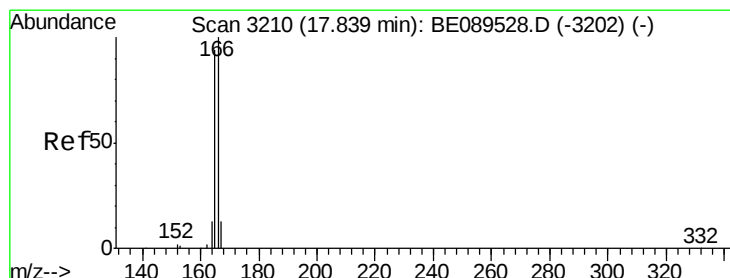
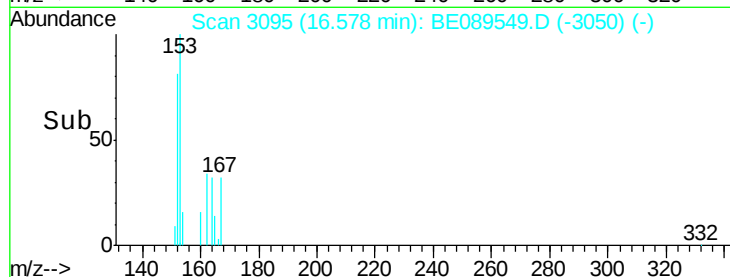
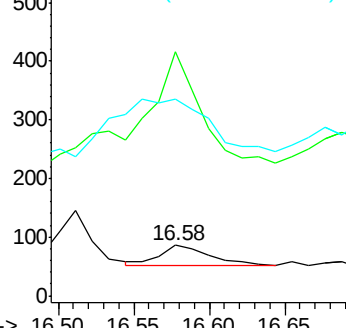
152 0.0 165.5 248.3#



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



#10

Fluorene

Concen: 0.01 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

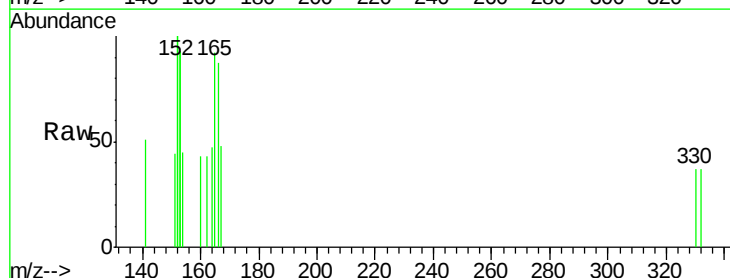
Tgt Ion:166 Resp: 125

Ion Ratio Lower Upper

166 100

165 138.4 75.5 113.3#

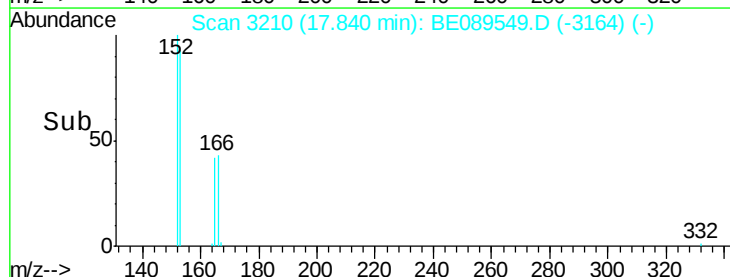
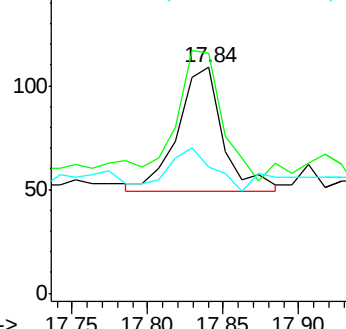
167 33.6 10.9 16.3#

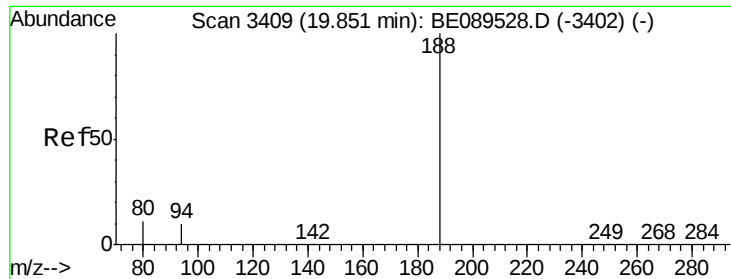


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.84 min Scan# 3408

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

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ClientSampleId :

MW-2

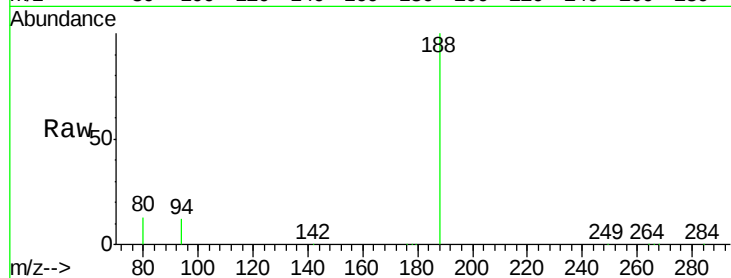
Tgt Ion:188 Resp: 64606

Ion Ratio Lower Upper

188 100

94 12.4 8.4 12.6

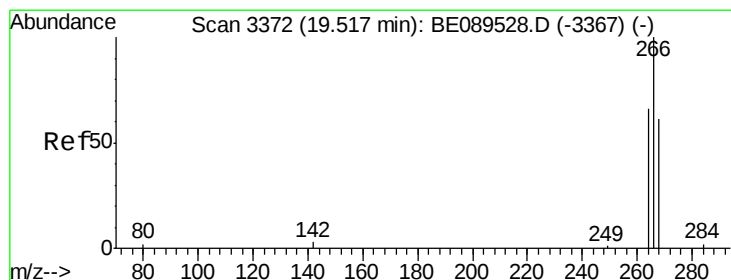
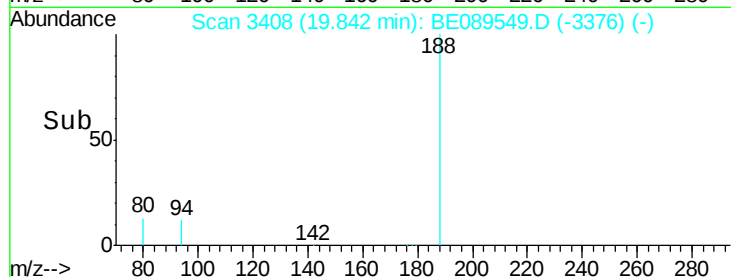
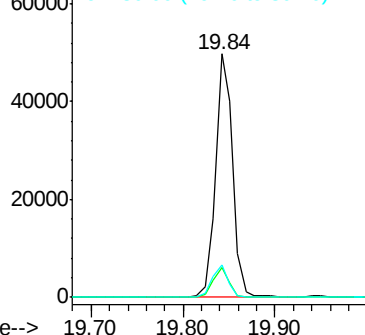
80 13.4 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#12

Pentachlorophenol

Concen: 0.54 ng

RT: 19.49 min Scan# 3369

Delta R.T. -0.03 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

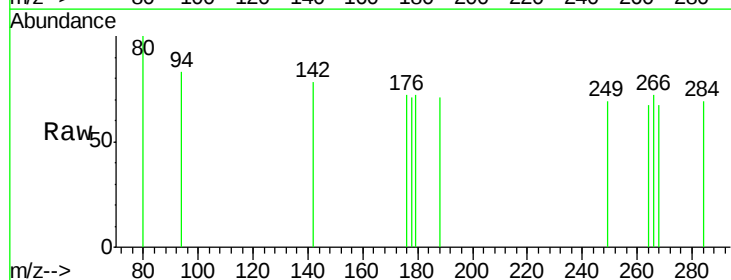
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

268 92.3 57.9 86.9#

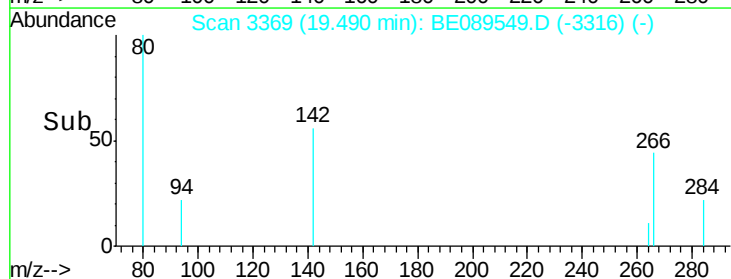
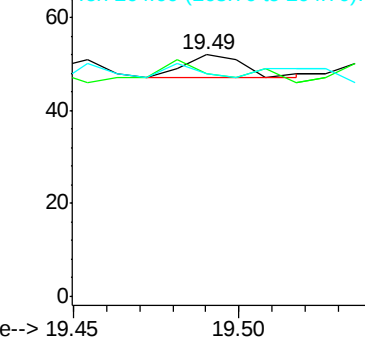
264 92.3 60.2 90.4#

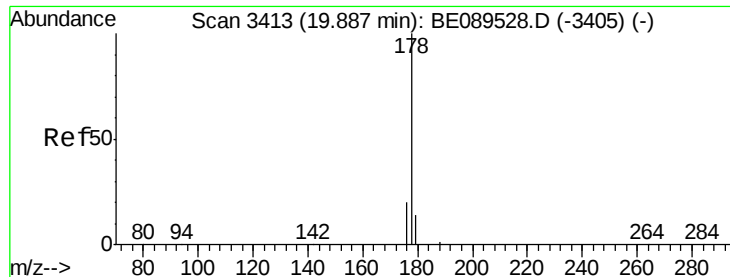


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#13

Phenanthrene

Concen: 0.03 ng

RT: 19.89 min Scan# 3413

Delta R.T. 0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

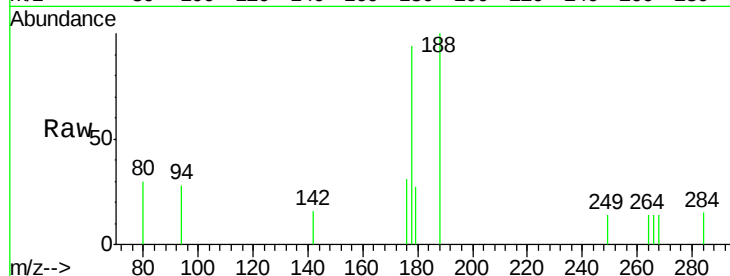
Tgt Ion:178 Resp: 441

Ion Ratio Lower Upper

178 100

176 21.5 15.4 23.0

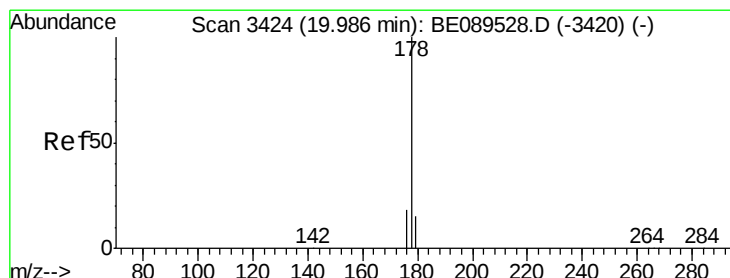
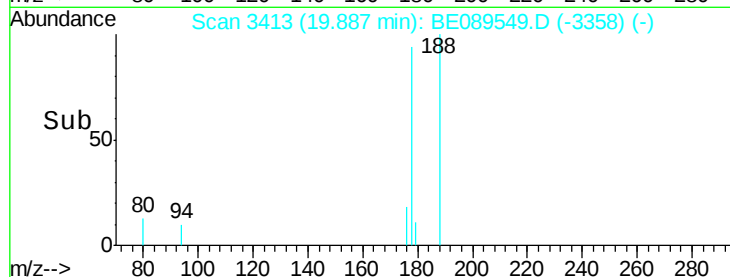
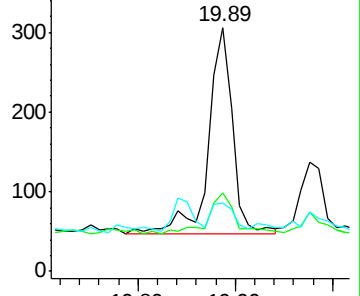
179 12.9 12.2 18.2



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



#14

Anthracene

Concen: 0.03 ng

RT: 19.89 min Scan# 3413

Delta R.T. -0.10 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

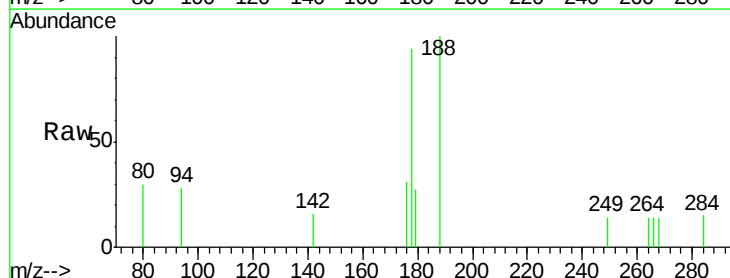
Tgt Ion:178 Resp: 441

Ion Ratio Lower Upper

178 100

176 21.5 14.5 21.7

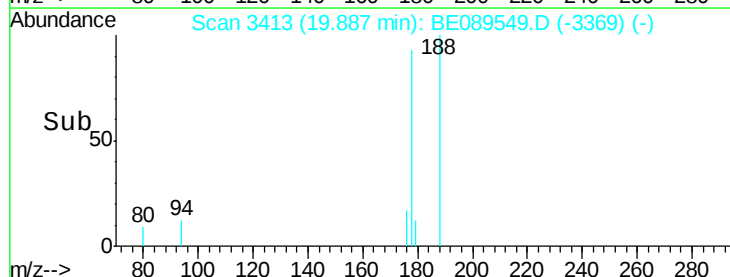
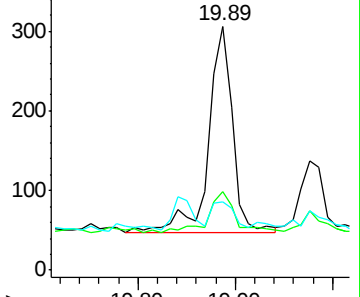
179 12.7 12.2 18.2



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

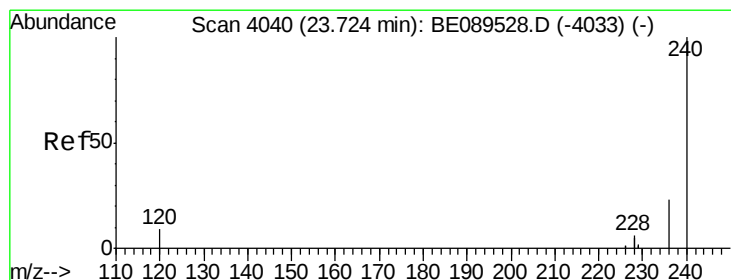
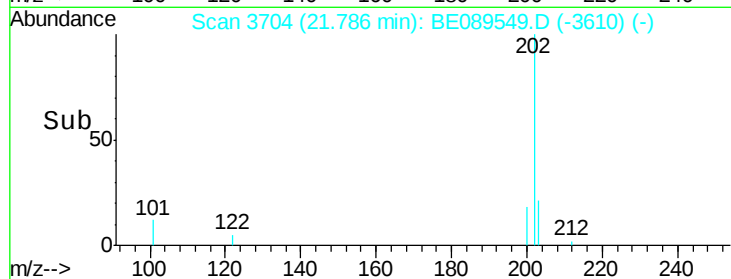
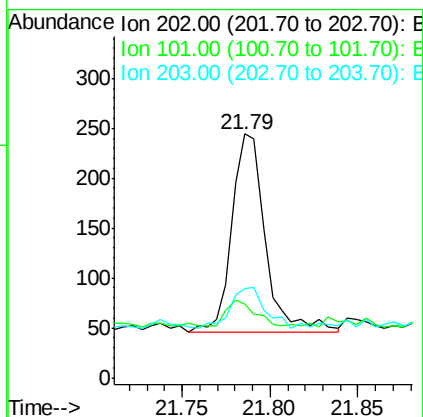
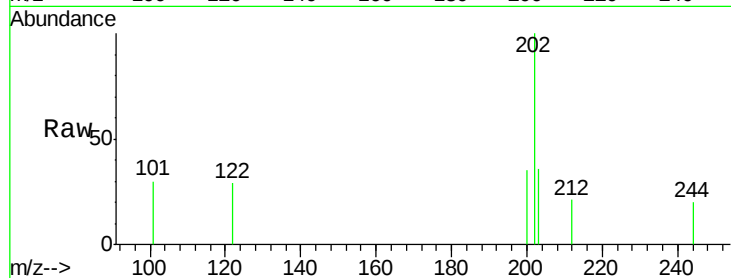




#15
 Fluoranthene
 Concen: 0.02 ng
 RT: 21.79 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089549.D
 Acq: 7 Feb 2015 6:47

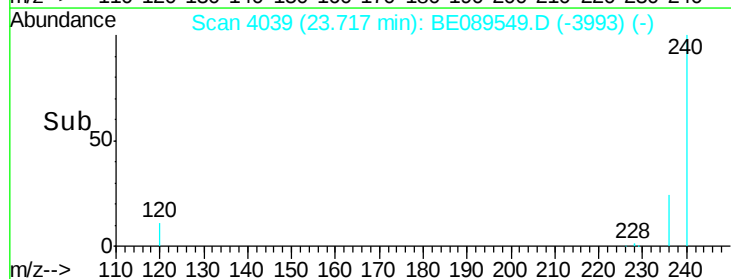
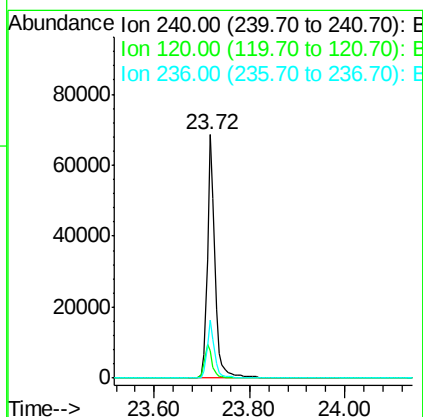
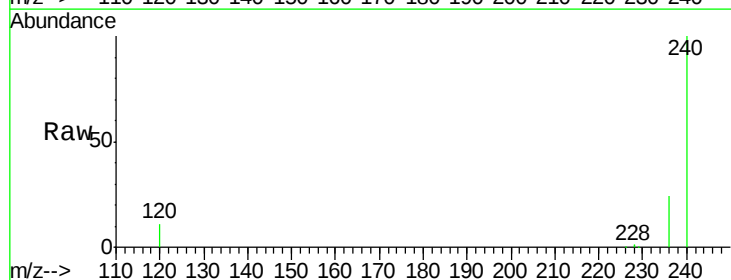
Instrument :
 BNA_E
 ClientSampleId :
 MW-2

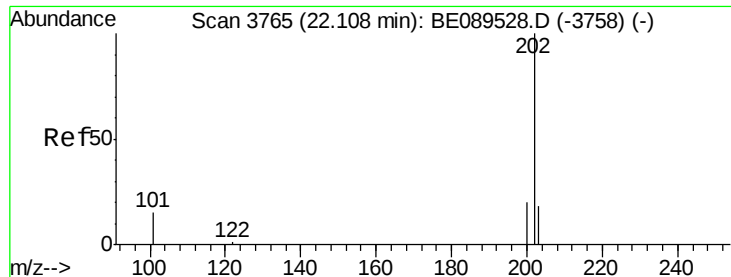
Tgt Ion:202 Resp: 261
 Ion Ratio Lower Upper
 202 100
 101 10.7 11.6 17.4#
 203 22.6 13.6 20.4#



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089549.D
 Acq: 7 Feb 2015 6:47

Tgt Ion:240 Resp: 77097
 Ion Ratio Lower Upper
 240 100
 120 11.0 7.2 10.8#
 236 23.9 18.5 27.7

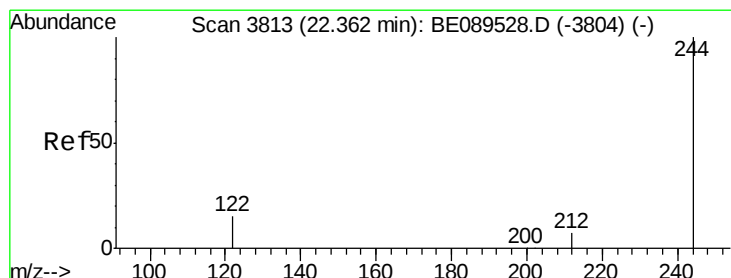
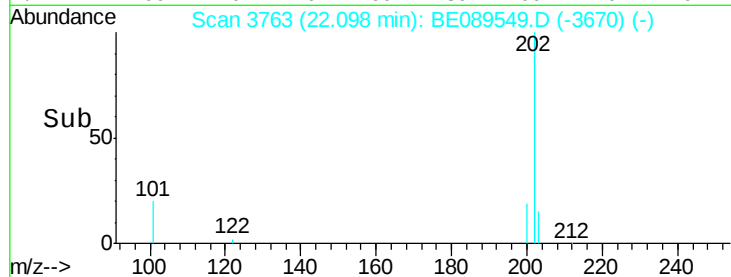
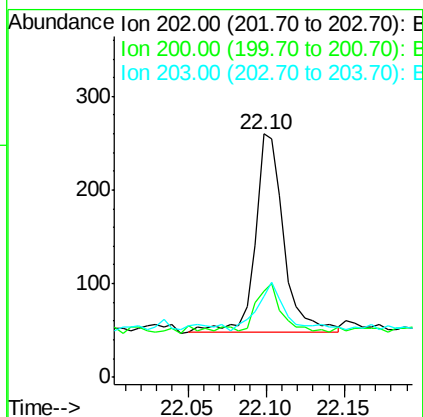
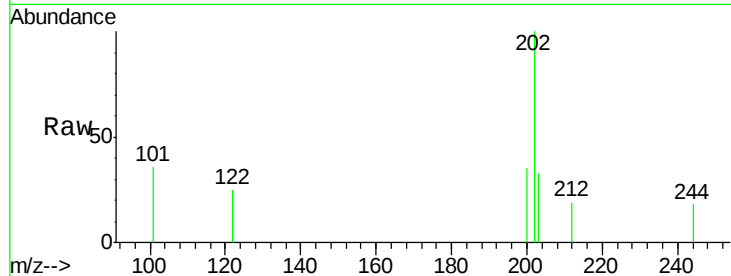




#17
 Pyrene
 Concen: 0.02 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BE089549.D
 Acq: 7 Feb 2015 6:47

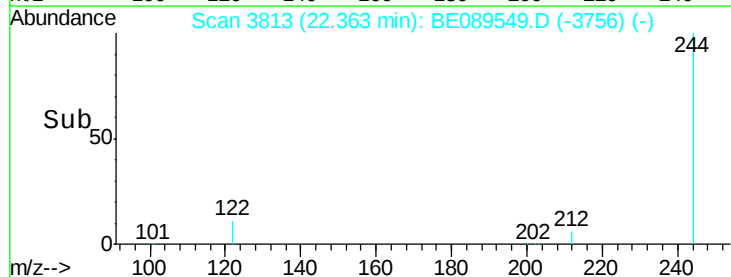
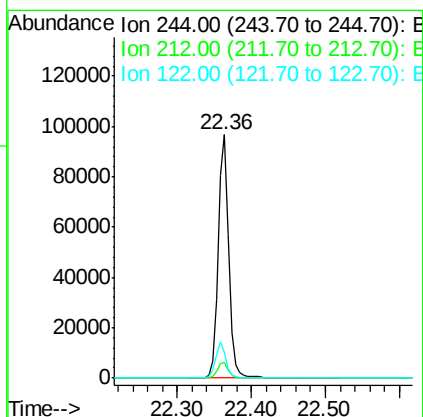
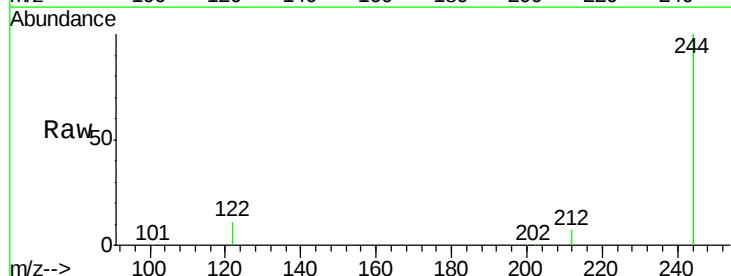
Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Tgt Ion: 202 Resp: 271
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.3 24.5
 203 24.0 13.5 20.3#



#18
 Terphenyl-d14
 Concen: 9.53 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089549.D
 Acq: 7 Feb 2015 6:47

Tgt Ion: 244 Resp: 96932
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 10.8 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.03 ng

RT: 23.70 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

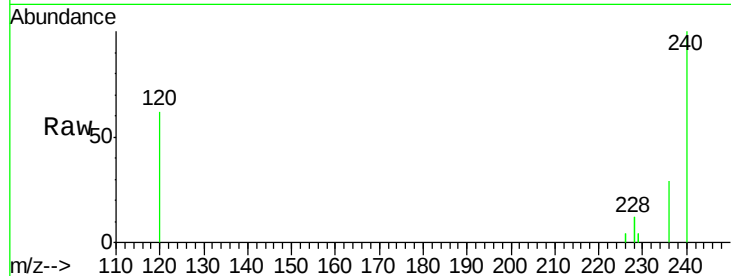
Tgt Ion:228 Resp: 2104

Ion Ratio Lower Upper

228 100

226 32.8 19.0 28.4#

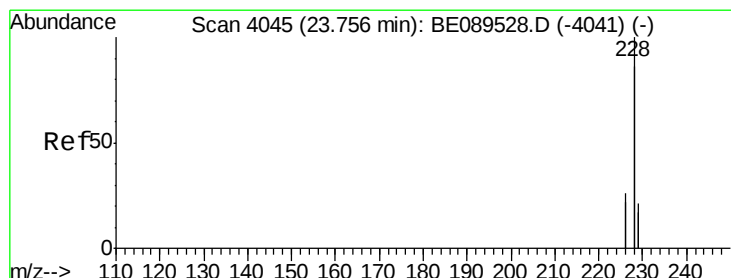
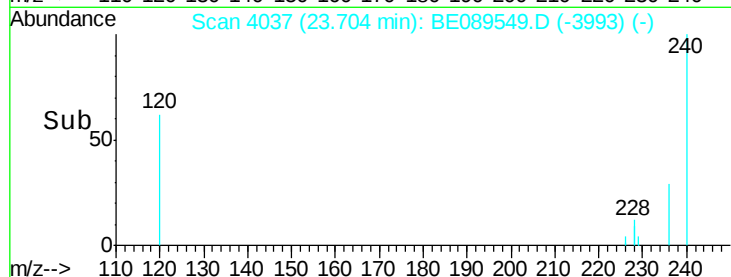
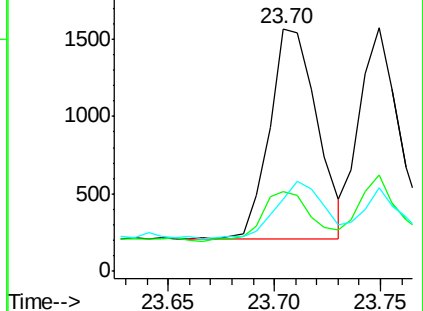
229 29.7 16.8 25.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#20

Chrysene

Concen: 0.03 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

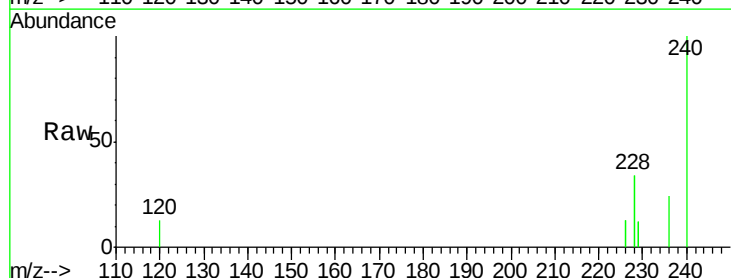
Tgt Ion:228 Resp: 1882

Ion Ratio Lower Upper

228 100

226 39.4 21.0 31.4#

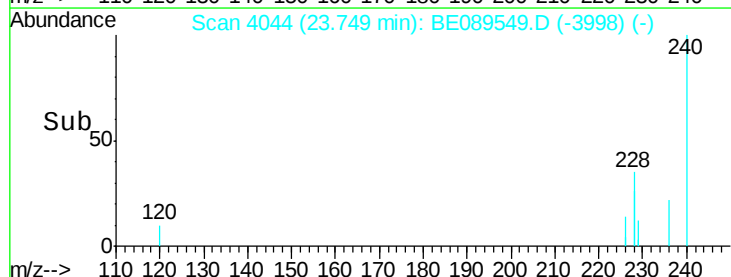
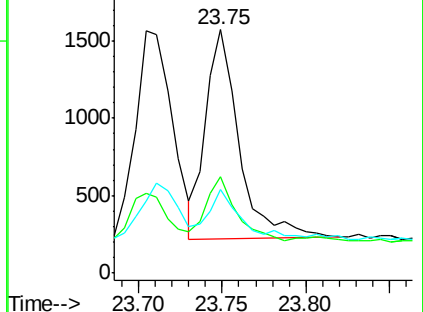
229 34.1 16.7 25.1#

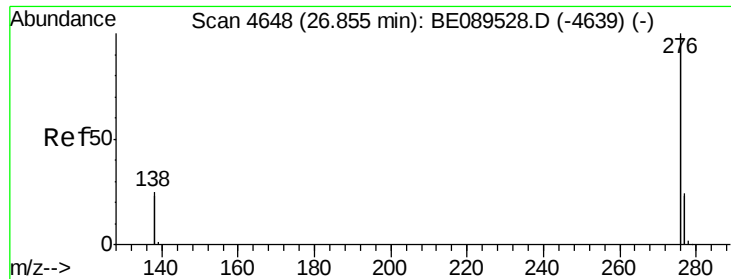


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 26.84 min Scan# 4646

Delta R.T. -0.01 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

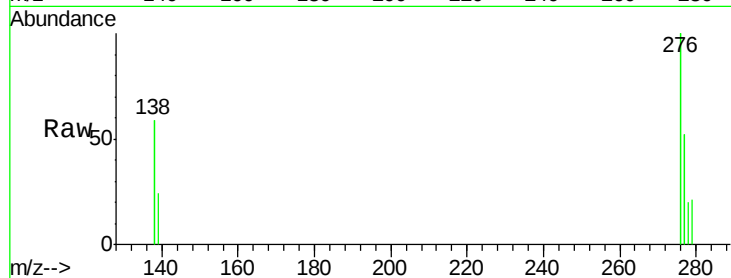
Tgt Ion: 276 Resp: 1485

Ion Ratio Lower Upper

276 100

138 30.9 23.0 34.4

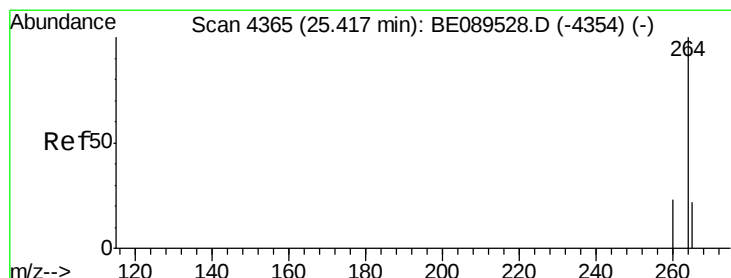
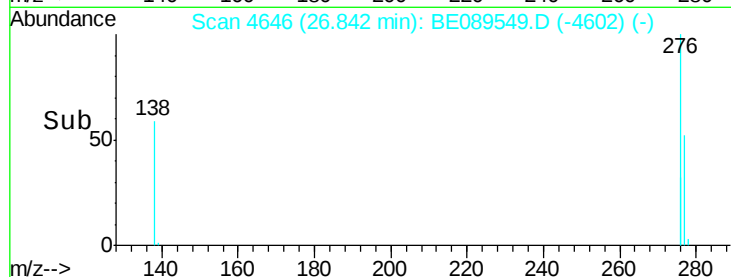
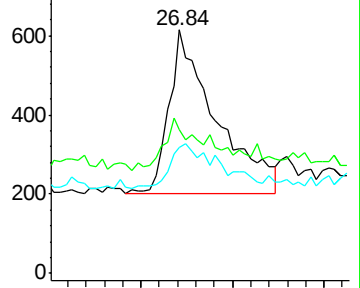
277 24.0 19.9 29.9



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: BE089549.D

Acq: 7 Feb 2015 6:47

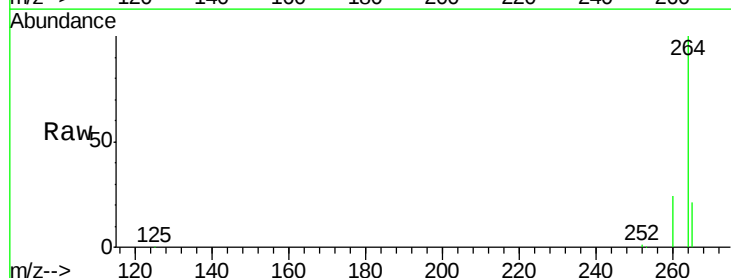
Tgt Ion: 264 Resp: 91569

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

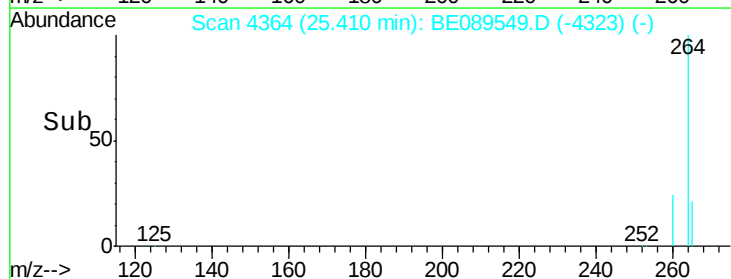
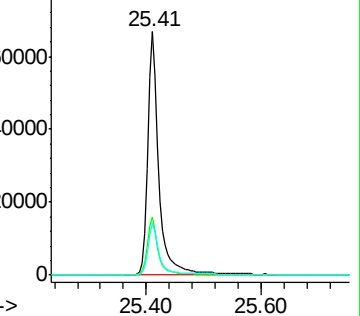
265 21.4 17.5 26.3



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: 24.98 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampleId :

MW-2

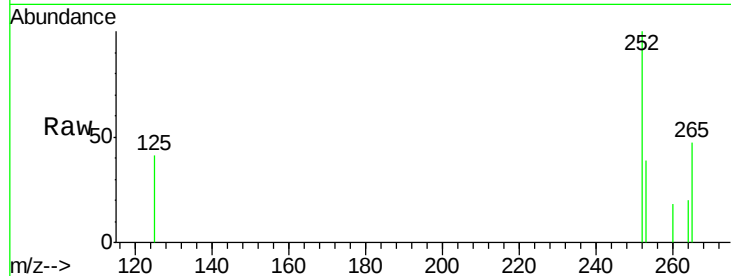
Tgt Ion: 252 Resp: 298

Ion Ratio Lower Upper

252 100

253 39.0 17.4 26.0#

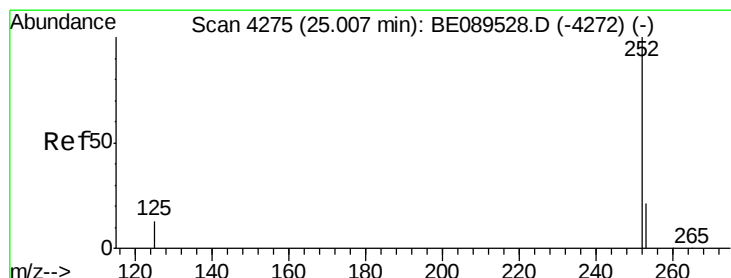
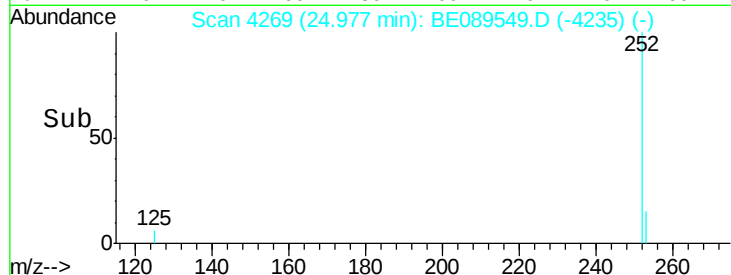
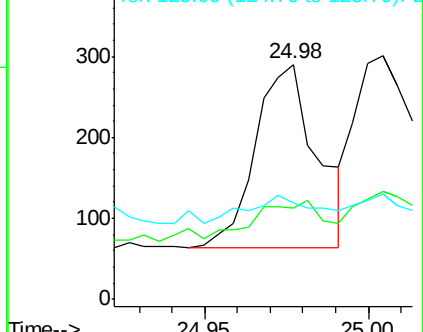
125 41.0 10.4 15.6#



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# 4275

Delta R.T. -0.00 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

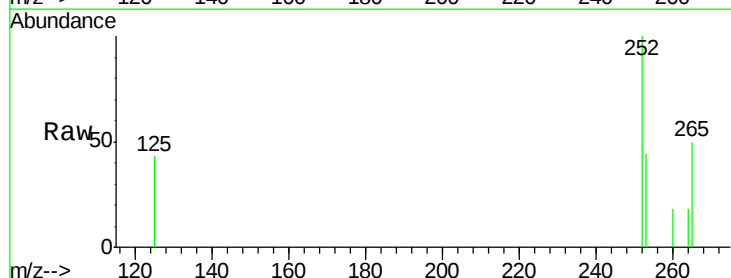
Tgt Ion: 252 Resp: 399

Ion Ratio Lower Upper

252 100

253 44.2 17.2 25.8#

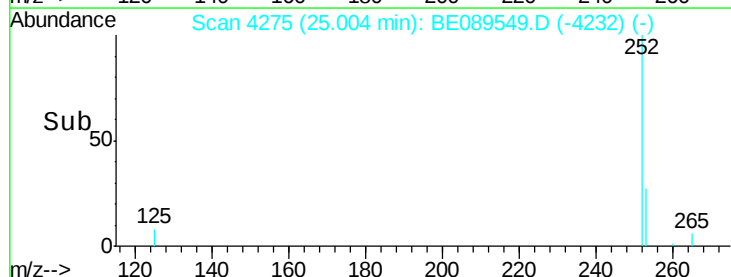
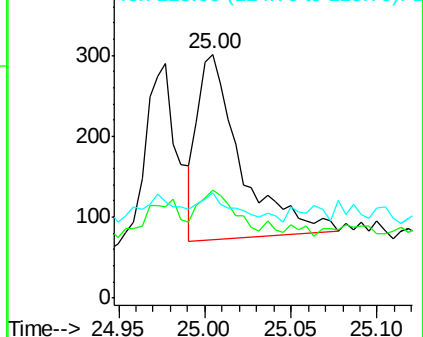
125 43.2 10.6 15.8#



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: BE089549.D

Acq: 7 Feb 2015 6:47

Instrument :

BNA_E

ClientSampled :

MW-2

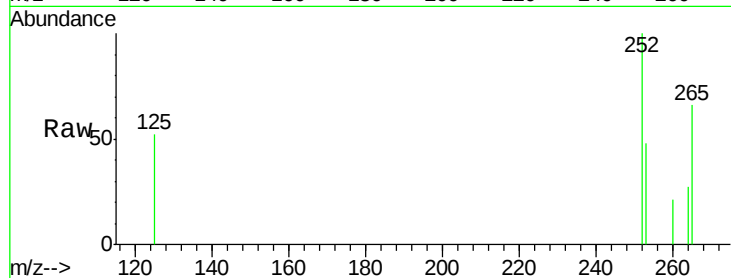
Tgt Ion: 252 Resp: 284

Ion Ratio Lower Upper

252 100

253 47.6 17.8 26.6#

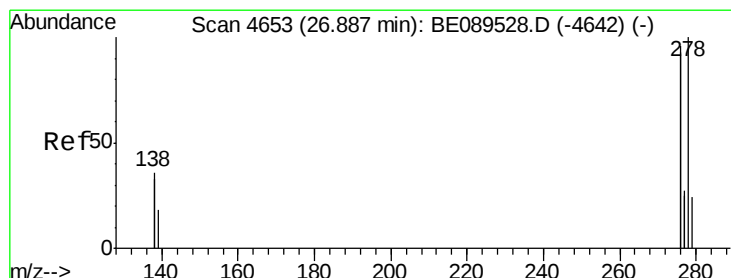
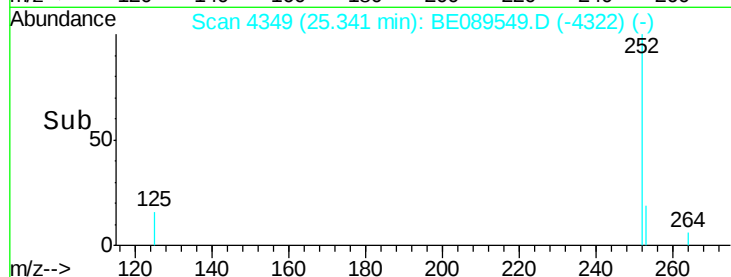
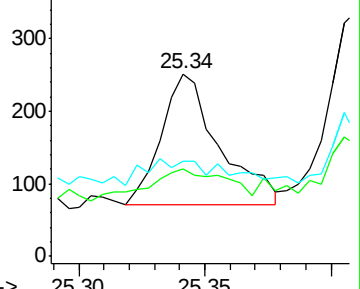
125 52.0 11.4 17.2#



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: 0.02 ng

RT: 26.87 min Scan# 4650

Delta R.T. -0.02 min

Lab File: BE089549.D

Acq: 7 Feb 2015 6:47

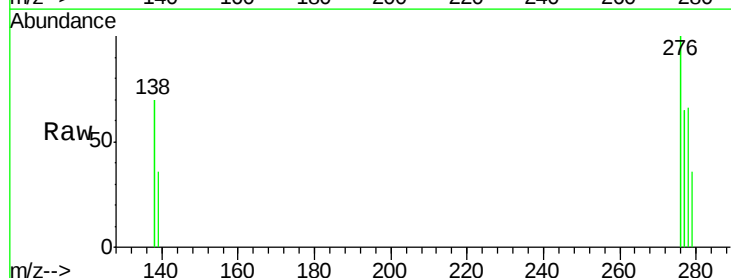
Tgt Ion: 278 Resp: 356

Ion Ratio Lower Upper

278 100

139 55.6 15.7 23.5#

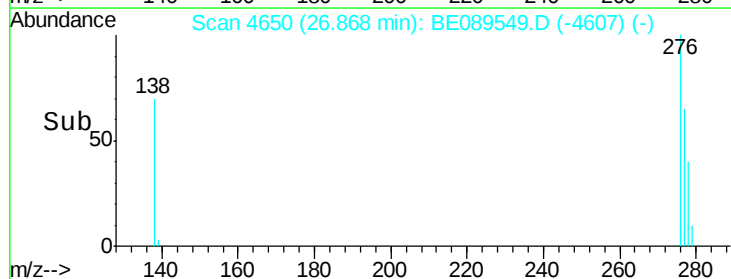
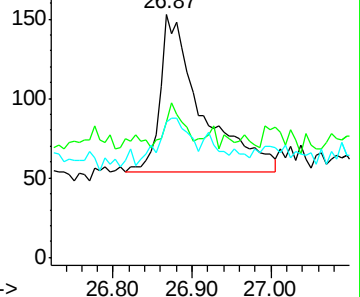
279 55.6 19.5 29.3#



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

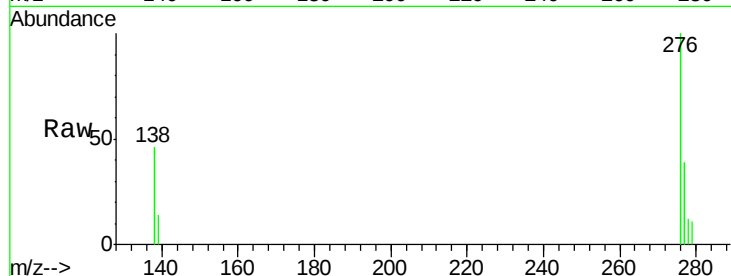




#27
 Benzo(g,h,i)perylene
 Concen: 0.03 ng
 RT: 27.27 min Scan# 4712
 Delta R.T. -0.01 min
 Lab File: BE089549.D
 Acq: 7 Feb 2015 6:47

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Tgt Ion: 276 Resp: 2491
 Ion Ratio Lower Upper
 276 100
 277 39.4 18.6 27.8#
 138 46.0 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

