

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089551.D
 Acq On : 7 Feb 2015 8:04
 Operator : TP/IZ
 Sample : MDL-BLK-W
 Misc : MDL-WATER-BLK
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

Quant Time: Feb 09 00:14:38 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	59145	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	223802	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	101916	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	168427	5.00	ng	0.00
16) Chrysene-d12	23.72	240	195980	5.00	ng	0.00
22) Perylene-d12	25.41	264	217551	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	118278	7.96	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	178200	6.55	ng	0.00
18) Terphenyl-d14	22.36	244	201165	7.78	ng	0.00

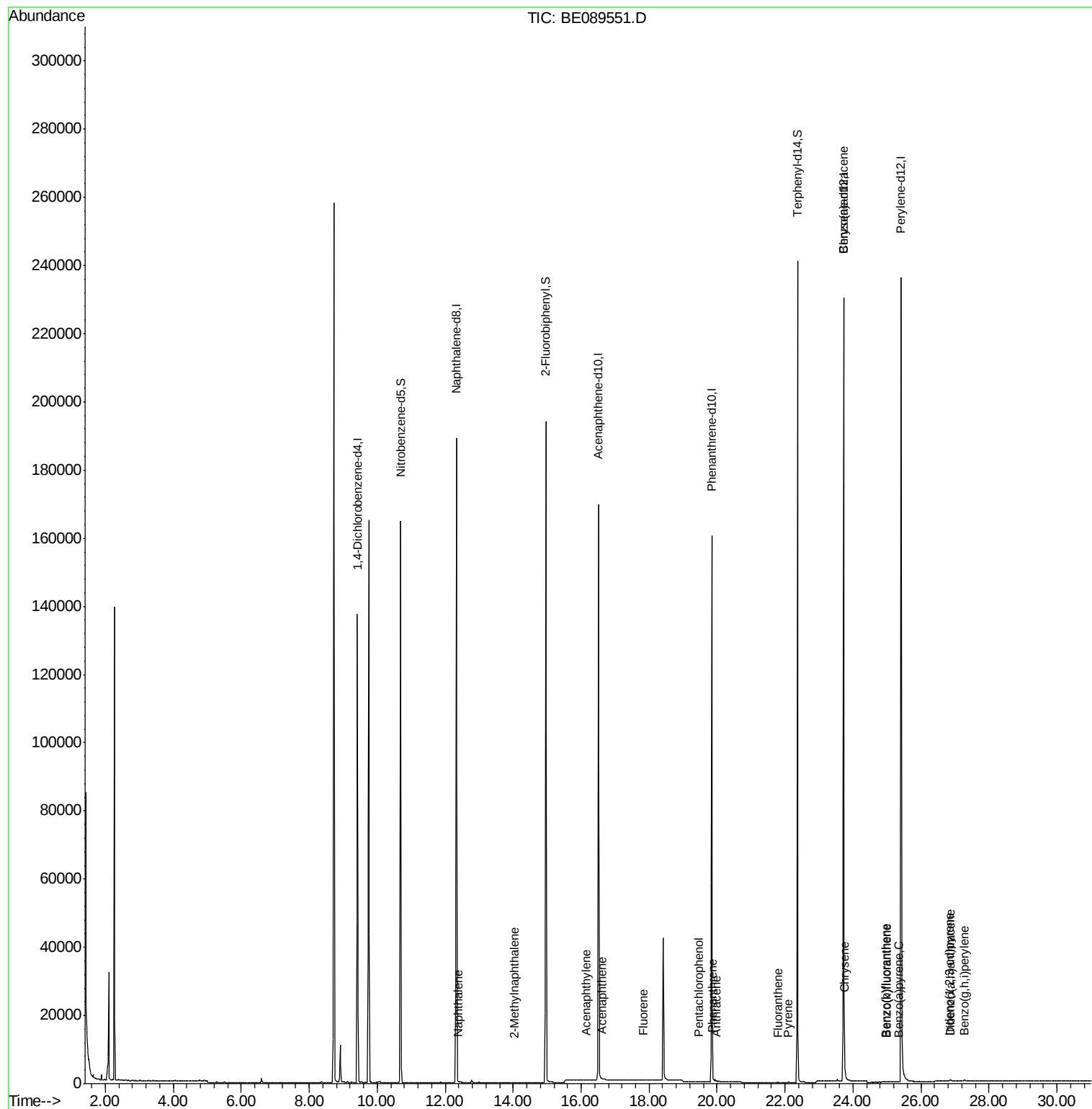
Target Compounds						Qvalue
4) Naphthalene	12.38	128	107	0.00	ng	# 1
5) 2-Methylnaphthalene	14.04	142	16	0.00	ng	# 50
8) Acenaphthylene	16.16	152	228	0.00	ng	# 70
9) Acenaphthene	16.60	154	47	0.00	ng	# 1
10) Fluorene	17.83	166	63	0.00	ng	# 65
12) Pentachlorophenol	19.45	266	8	0.54	ng	# 78
13) Phenanthrene	19.89	178	115	0.00	ng	# 48
14) Anthracene	19.98	178	88	0.00	ng	# 81
15) Fluoranthene	21.79	202	98	0.00	ng	# 69
17) Pyrene	22.10	202	141	0.00	ng	# 89
19) Benzo(a)anthracene	23.72	228	2416	0.01	ng	# 83
20) Chrysene	23.75	228	786	0.00	ng	# 59
21) Indeno(1,2,3-cd)pyrene	26.85	276	364	0.00	ng	# 89
23) Benzo(b)fluoranthene	24.98	252	100	0.00	ng	# 1
24) Benzo(k)fluoranthene	25.00	252	143	0.00	ng	# 1
25) Benzo(a)pyrene	25.34	252	104	0.00	ng	# 1
26) Dibenzo(a,h)anthracene	26.87	278	59	0.00	ng	# 1
27) Benzo(g,h,i)perylene	27.27	276	527	0.00	ng	# 1

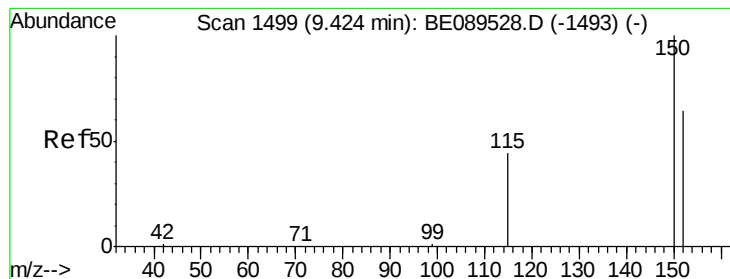
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampled :

DFTPP

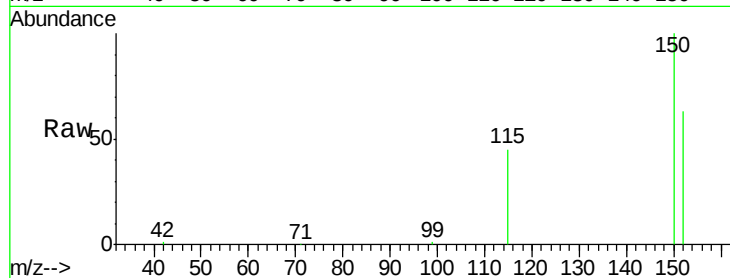
Tgt Ion:152 Resp: 59145

Ion Ratio Lower Upper

152 100

150 158.1 125.7 188.5

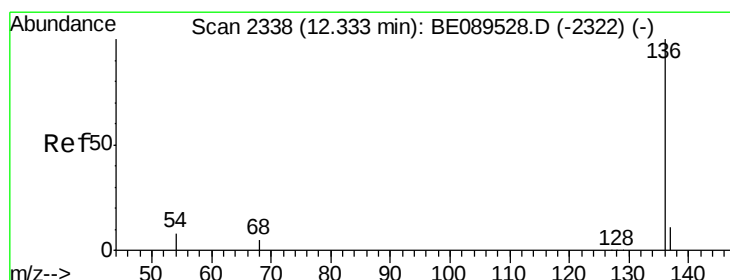
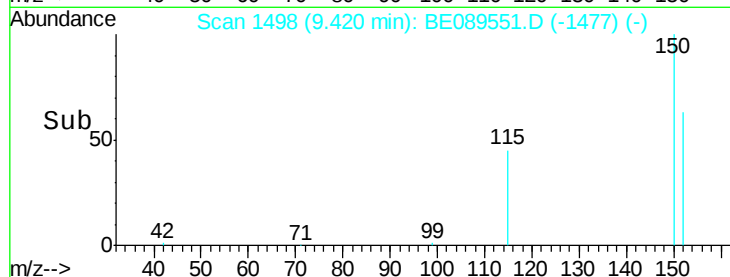
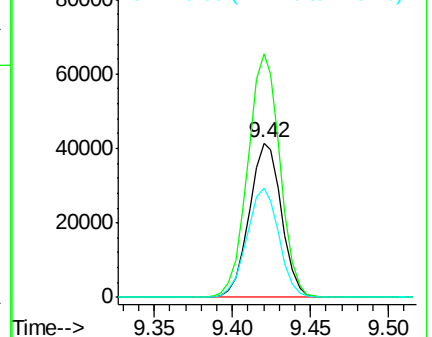
115 70.9 55.6 83.4



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# 2338

Delta R.T. -0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

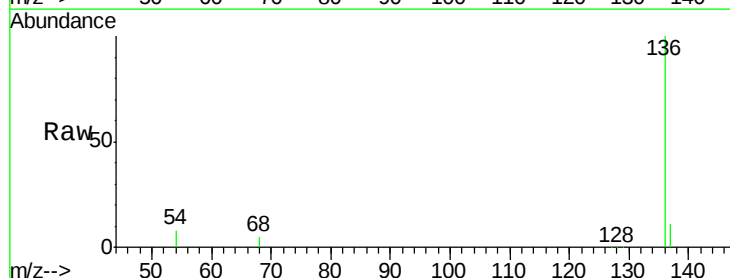
Tgt Ion:136 Resp: 223802

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

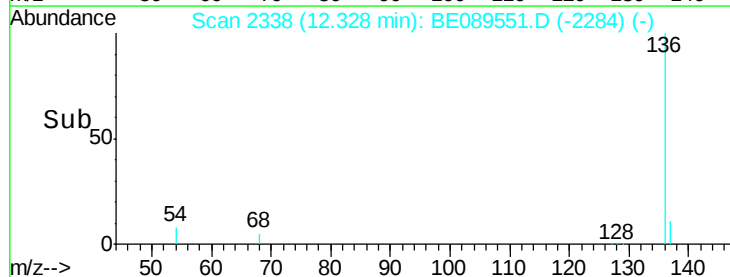
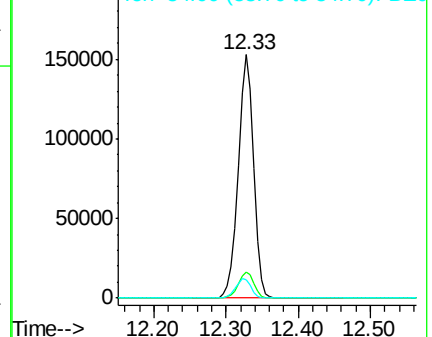
54 7.6 6.1 9.1

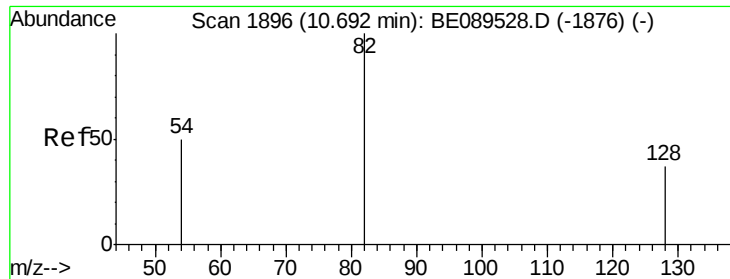


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 7.96 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

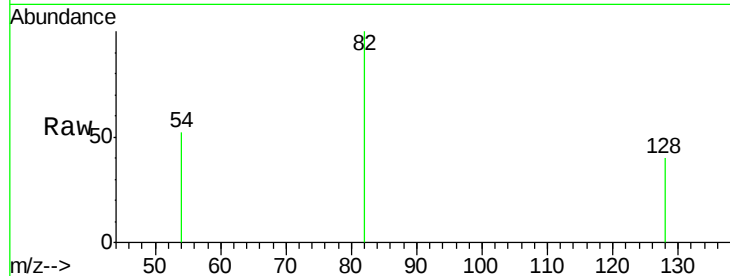
Tgt Ion: 82 Resp: 118278

Ion Ratio Lower Upper

82 100

128 39.6 30.2 45.4

54 52.0 40.6 60.8

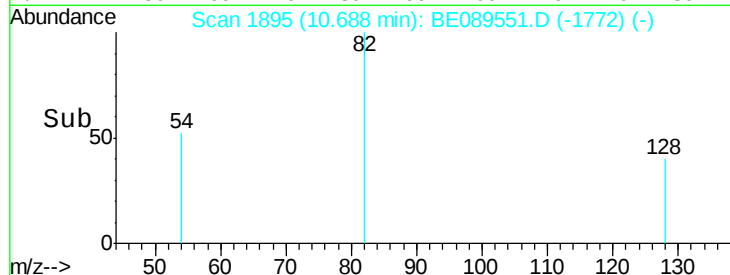


Abundance Ion 82.00 (81.70 to 82.70): BE089528.D (-1876) (-)

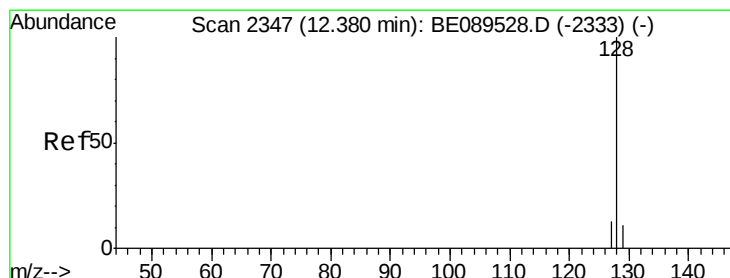
Ion 128.00 (127.70 to 128.70): BE089528.D (-1876) (-)

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

Time-->



Time-->



#4

Naphthalene

Concen: 0.00 ng

RT: 12.38 min Scan# 2347

Delta R.T. -0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

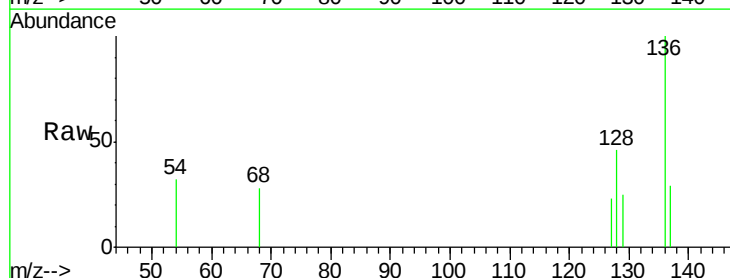
Tgt Ion: 128 Resp: 107

Ion Ratio Lower Upper

128 100

129 53.3 9.1 13.7#

127 50.5 10.5 15.7#

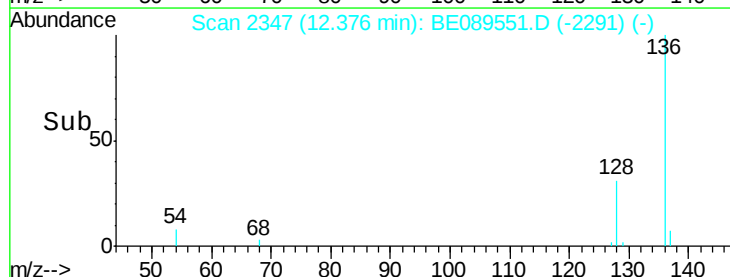


Abundance Ion 128.00 (127.70 to 128.70): BE089528.D (-2333) (-)

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-->

Time-->

Time-->

Time-->

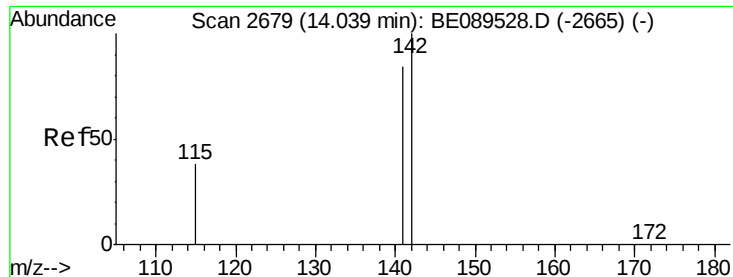
Time-->

Time-->

Time-->

Time-->

Time-->



#5

2-Methylnaphthalene

Concen: 0.00 ng

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

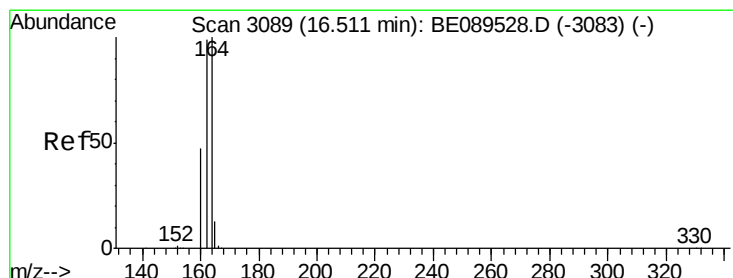
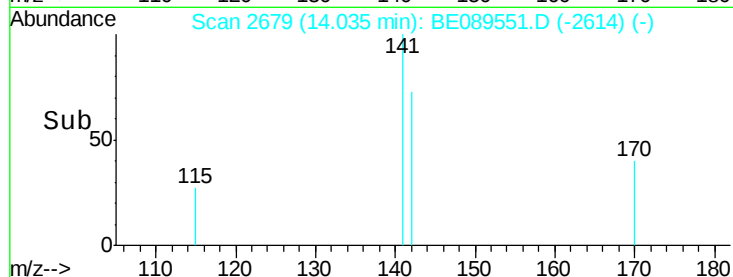
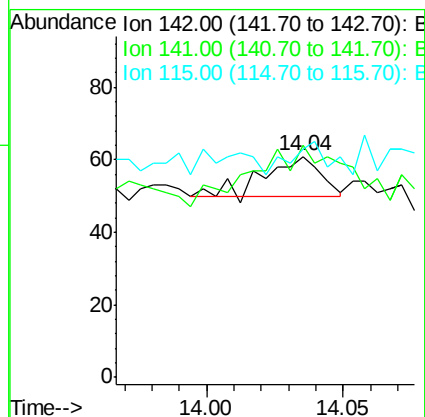
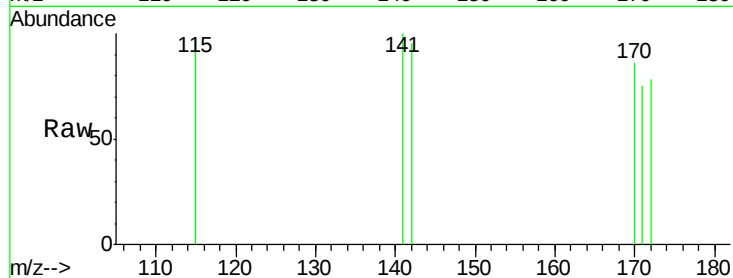
Tgt Ion:142 Resp: 16

Ion Ratio Lower Upper

142 100

141 104.9 67.0 100.6#

115 103.3 30.6 45.8#



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

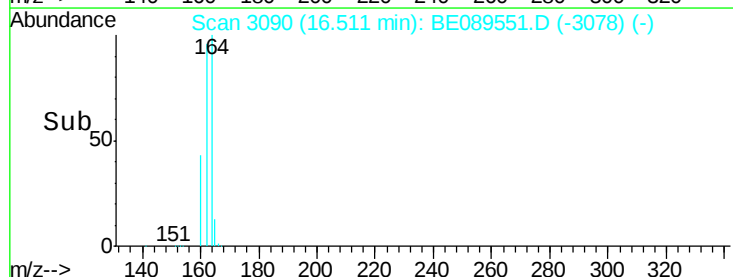
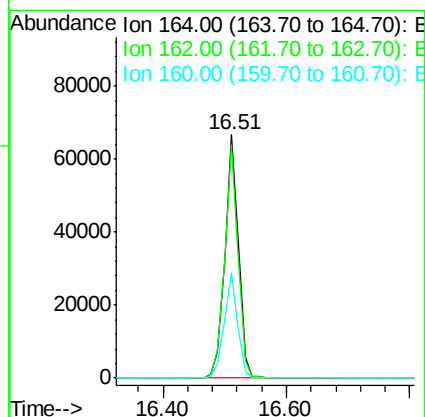
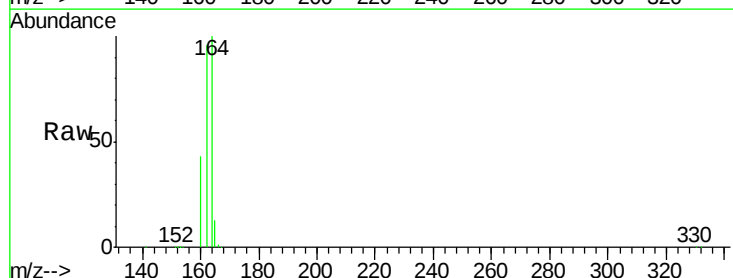
Tgt Ion:164 Resp: 101916

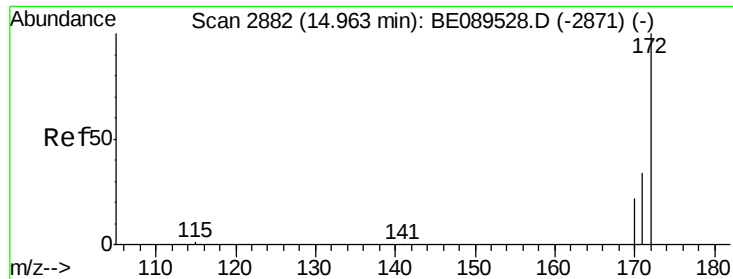
Ion Ratio Lower Upper

164 100

162 96.0 79.5 119.3

160 43.5 37.6 56.4





#7

2-Fluorobiphenyl

Concen: 6.55 ng

RT: 14.96 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

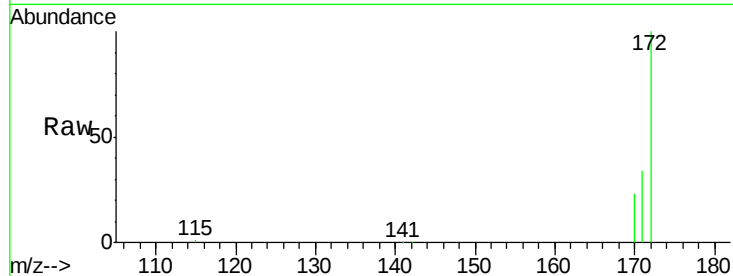
Tgt Ion:172 Resp: 178200

Ion Ratio Lower Upper

172 100

171 34.3 27.7 41.5

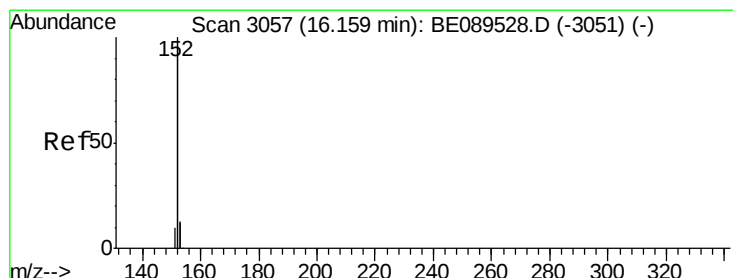
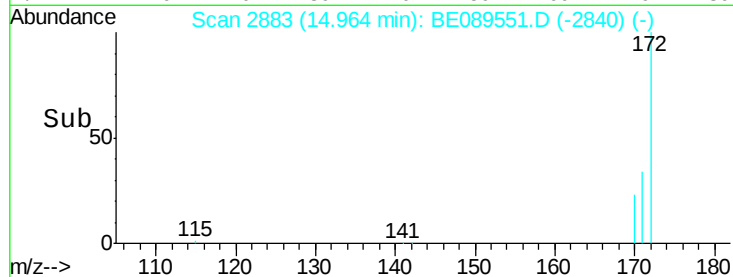
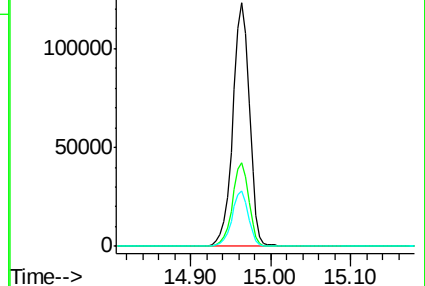
170 22.7 18.3 27.5



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# 3058

Delta R.T. 0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

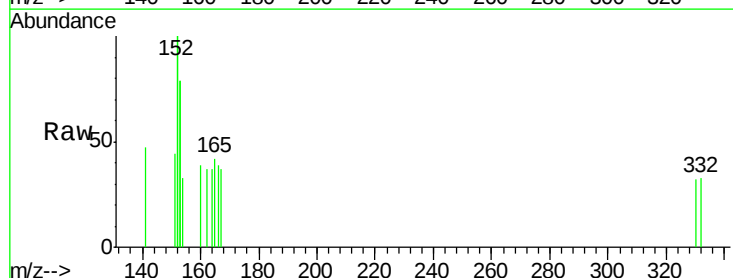
Tgt Ion:152 Resp: 228

Ion Ratio Lower Upper

152 100

151 12.3 4.0 6.0#

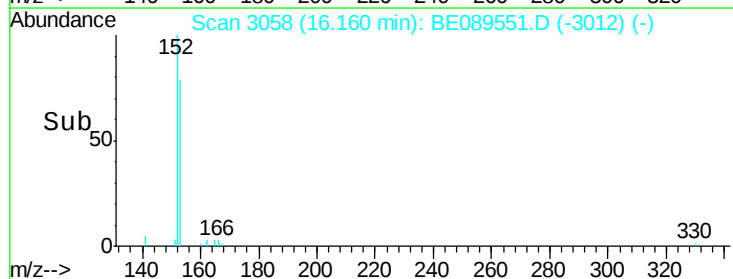
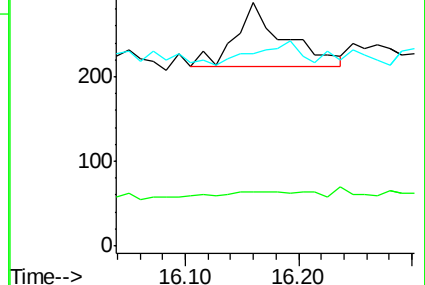
153 0.0 10.6 15.8#

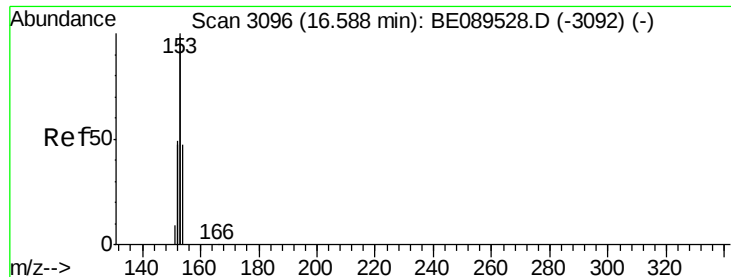


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.00 ng

RT: 16.60 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

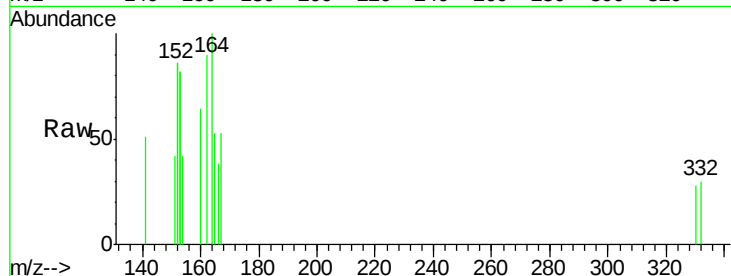
Tgt Ion:154 Resp: 47

Ion Ratio Lower Upper

154 100

153 1070.2 340.8 511.2#

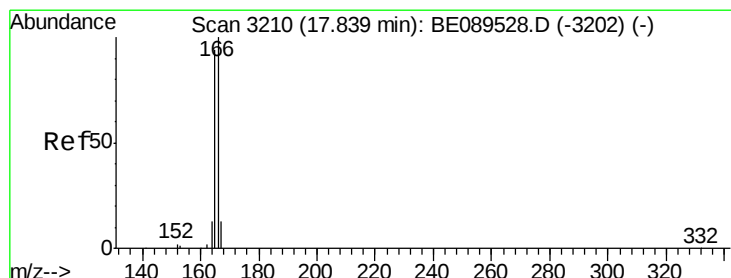
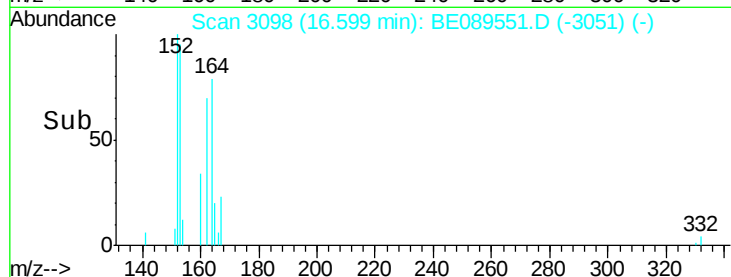
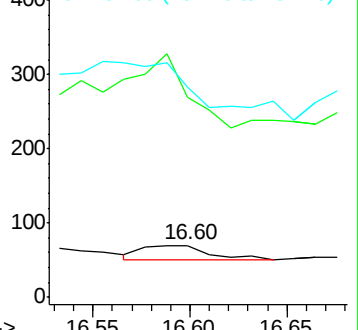
152 0.0 165.5 248.3#



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: 0.00 ng

RT: 17.83 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

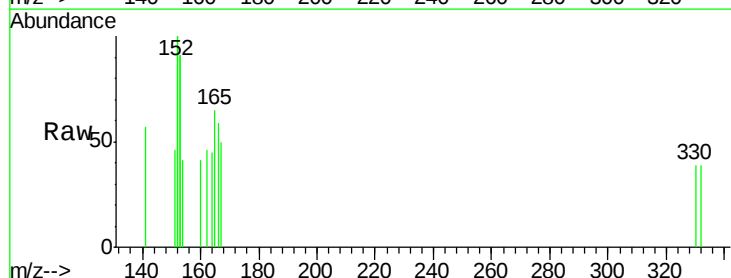
Tgt Ion:166 Resp: 63

Ion Ratio Lower Upper

166 100

165 125.4 75.5 113.3#

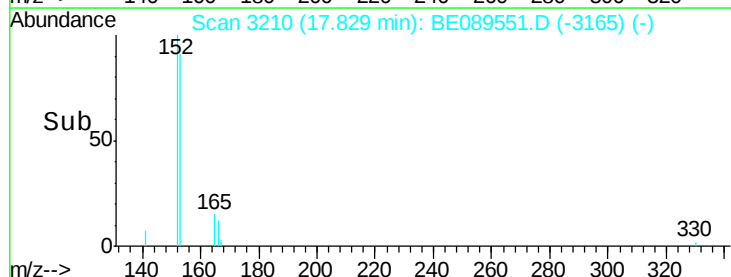
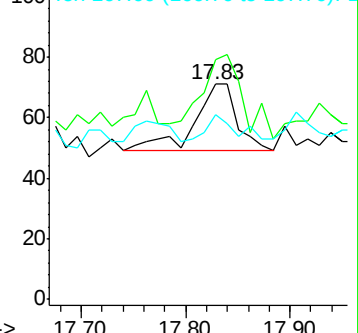
167 34.9 10.9 16.3#

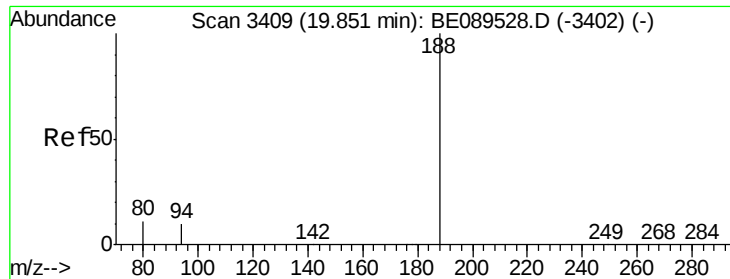


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

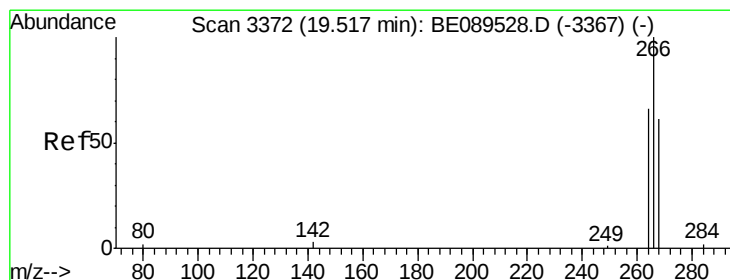
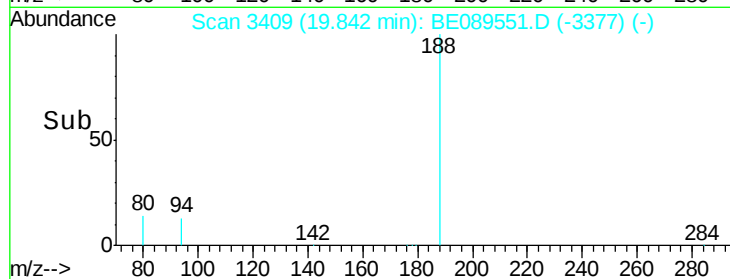
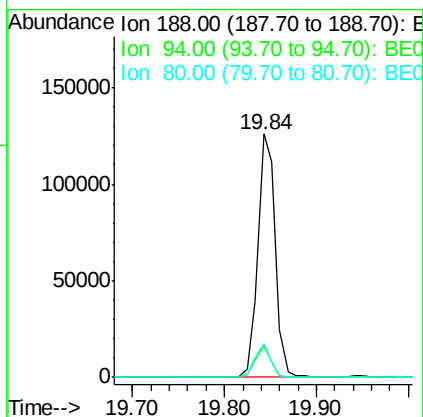
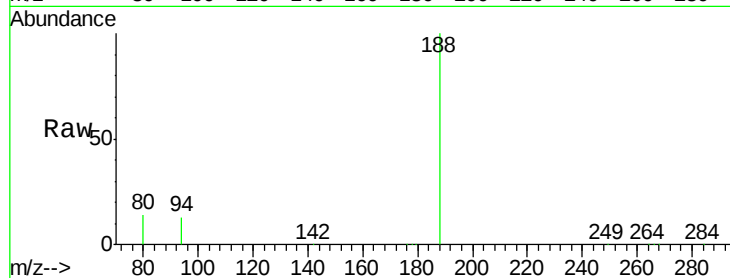




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3409
Delta R.T. -0.01 min
Lab File: BE089551.D
Acq: 7 Feb 2015 8:04

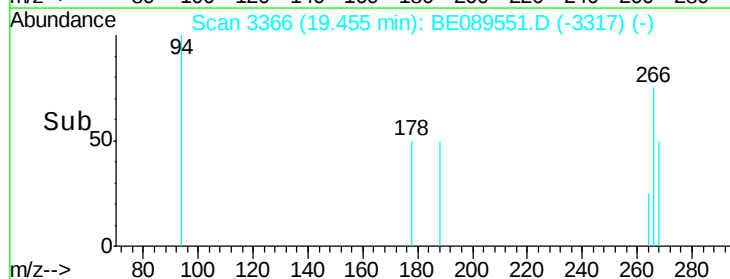
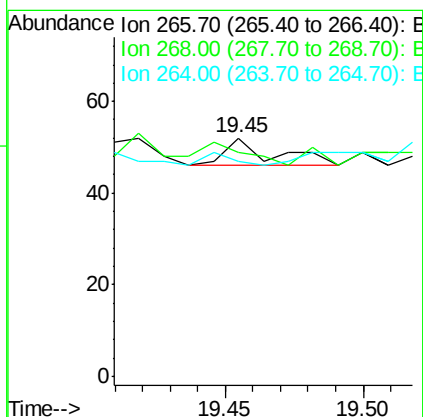
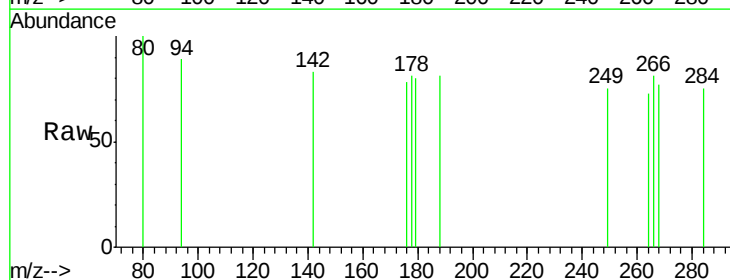
Instrument :
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DFTPP

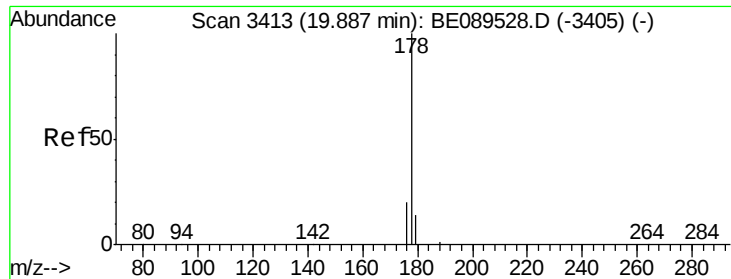
Tgt Ion:188 Resp: 168427
Ion Ratio Lower Upper
188 100
94 12.7 8.4 12.6#
80 13.9 8.6 12.8#



#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.45 min Scan# 3366
Delta R.T. -0.06 min
Lab File: BE089551.D
Acq: 7 Feb 2015 8:04

Tgt Ion:266 Resp: 8
Ion Ratio Lower Upper
266 100
268 94.2 57.9 86.9#
264 90.4 60.2 90.4#





#13

Phenanthrene

Concen: 0.00 ng

RT: 19.89 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

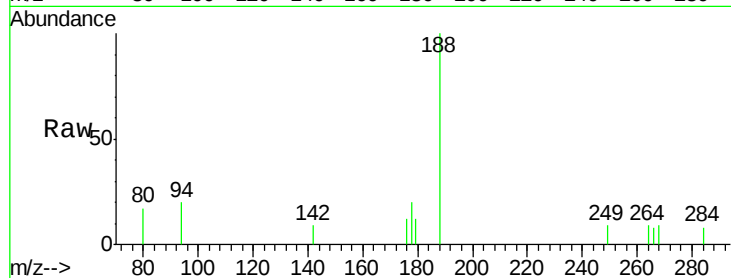
Tgt Ion:178 Resp: 115

Ion Ratio Lower Upper

178 100

176 48.7 15.4 23.0#

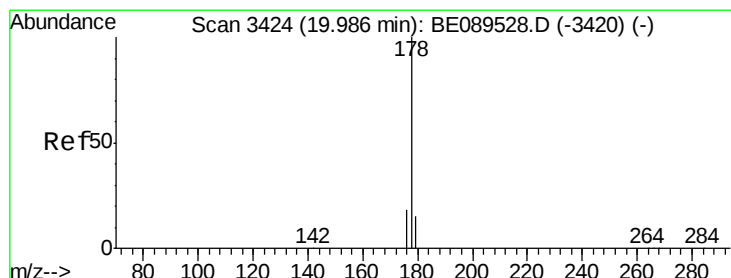
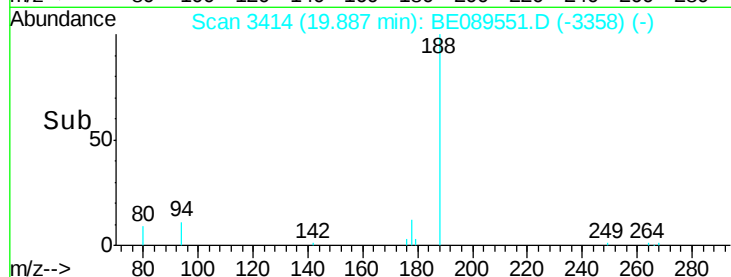
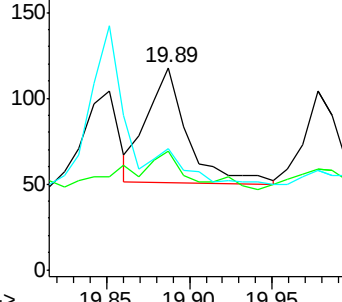
179 0.0 12.2 18.2#



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: 0.00 ng

RT: 19.98 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

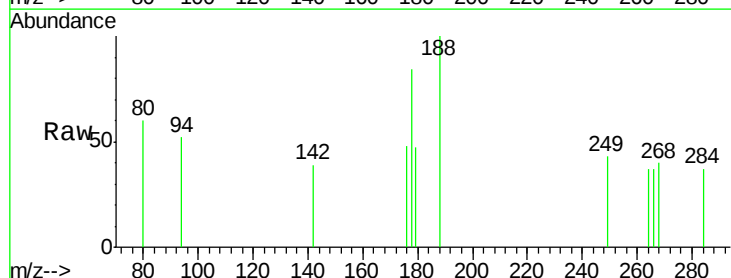
Tgt Ion:178 Resp: 88

Ion Ratio Lower Upper

178 100

176 31.8 14.5 21.7#

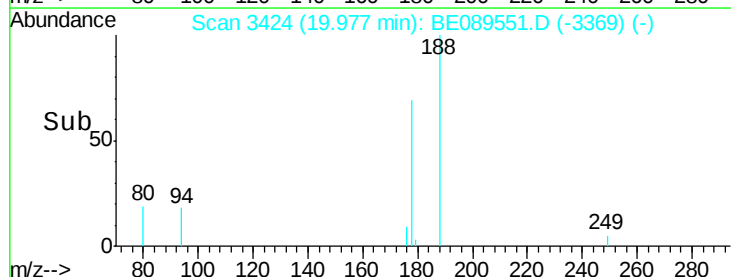
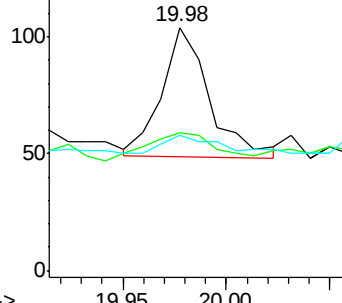
179 17.0 12.2 18.2

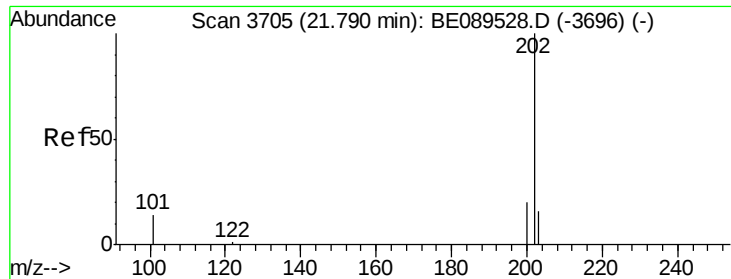


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

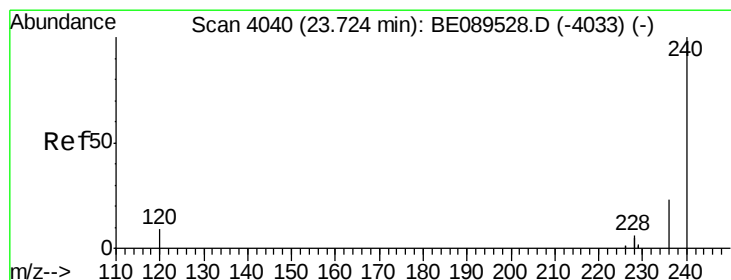
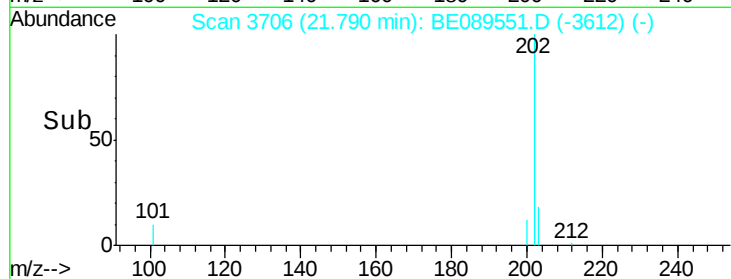
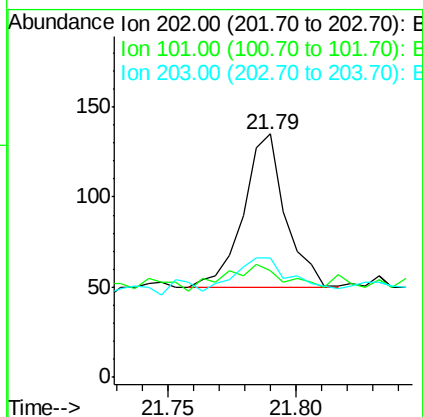
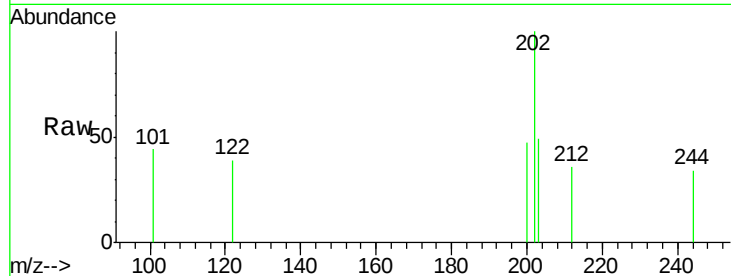




#15
 Fluoranthene
 Concen: 0.00 ng
 RT: 21.79 min Scan# 3706
 Delta R.T. 0.00 min
 Lab File: BE089551.D
 Acq: 7 Feb 2015 8:04

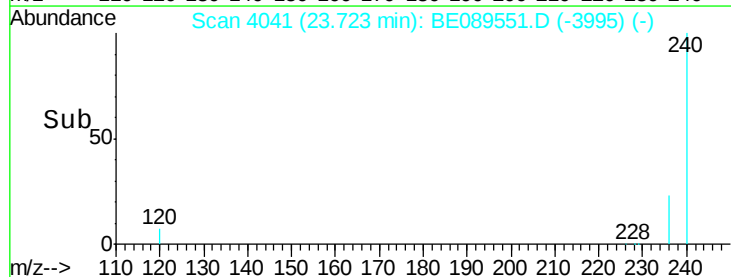
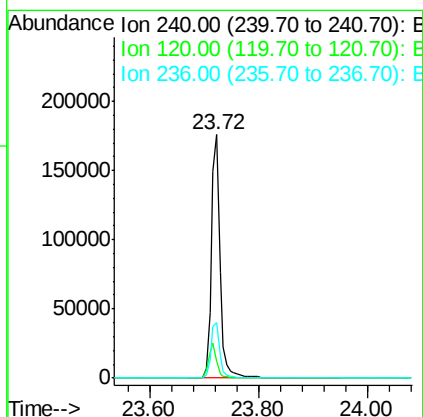
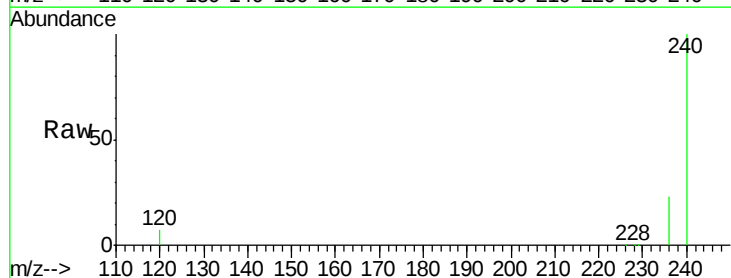
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

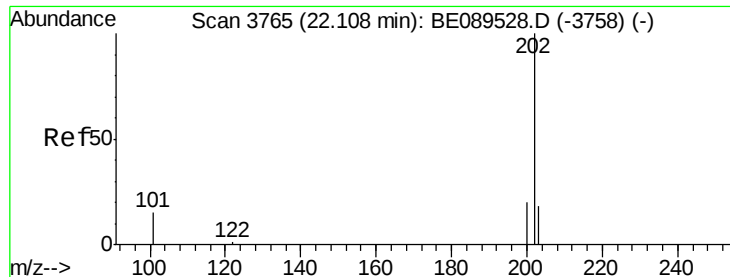
Tgt Ion: 202 Resp: 98
 Ion Ratio Lower Upper
 202 100
 101 24.5 11.6 17.4#
 203 32.7 13.6 20.4#



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4041
 Delta R.T. -0.00 min
 Lab File: BE089551.D
 Acq: 7 Feb 2015 8:04

Tgt Ion: 240 Resp: 195980
 Ion Ratio Lower Upper
 240 100
 120 6.8 7.2 10.8#
 236 22.6 18.5 27.7

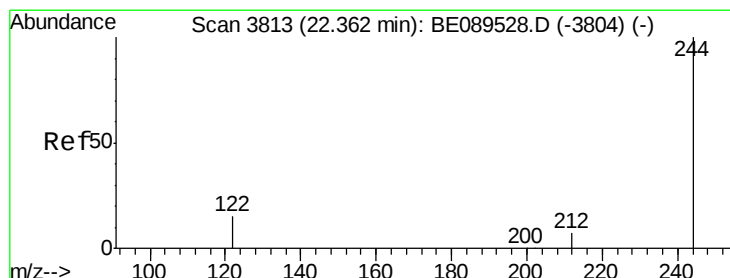
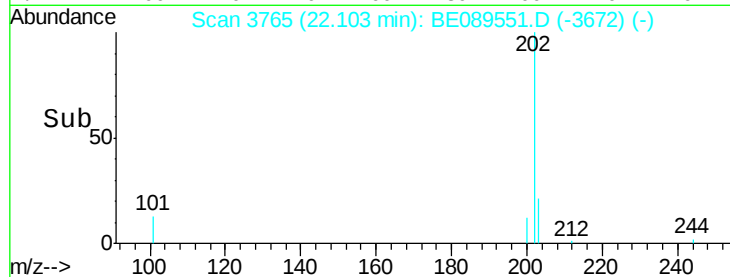
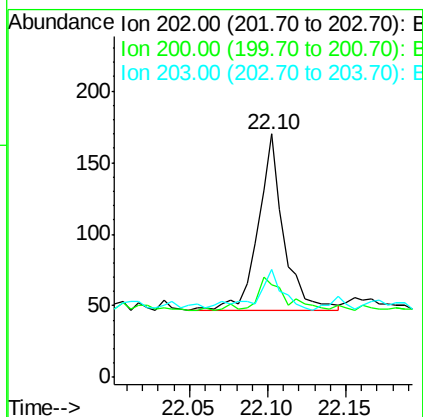
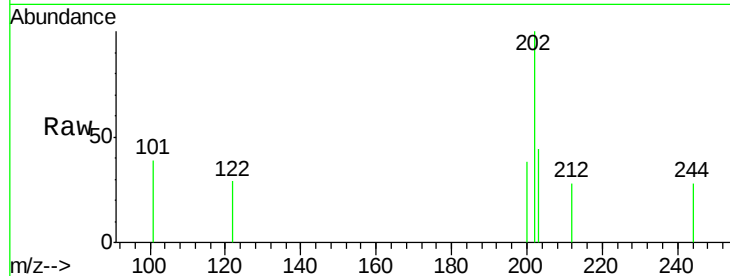




#17
 Pyrene
 Concen: 0.00 ng
 RT: 22.10 min Scan# 3765
 Delta R.T. -0.01 min
 Lab File: BE089551.D
 Acq: 7 Feb 2015 8:04

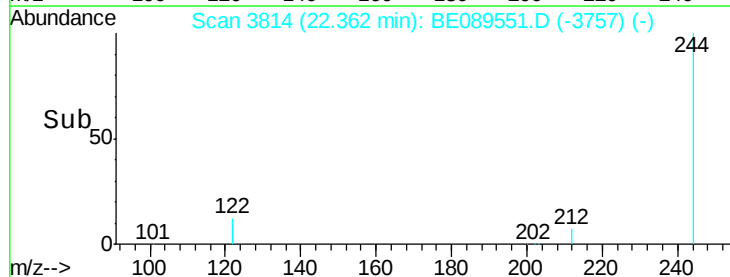
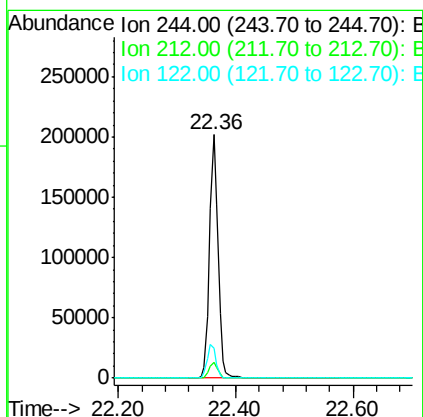
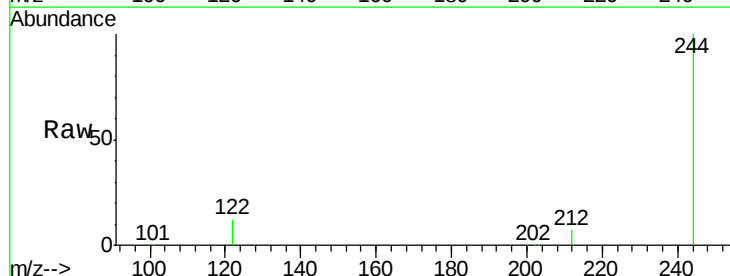
Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

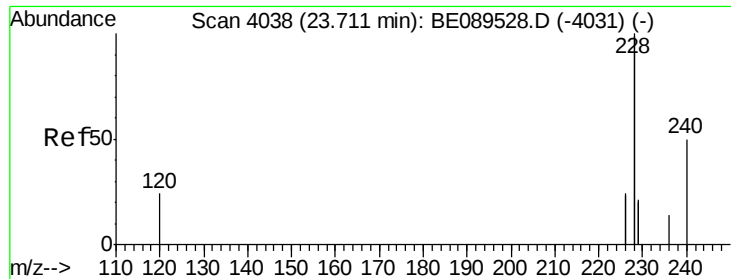
Tgt Ion: 202 Resp: 141
 Ion Ratio Lower Upper
 202 100
 200 17.0 16.3 24.5
 203 23.4 13.5 20.3#



#18
 Terphenyl-d14
 Concen: 7.78 ng
 RT: 22.36 min Scan# 3814
 Delta R.T. 0.00 min
 Lab File: BE089551.D
 Acq: 7 Feb 2015 8:04

Tgt Ion: 244 Resp: 201165
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 12.2 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.01 ng

RT: 23.72 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

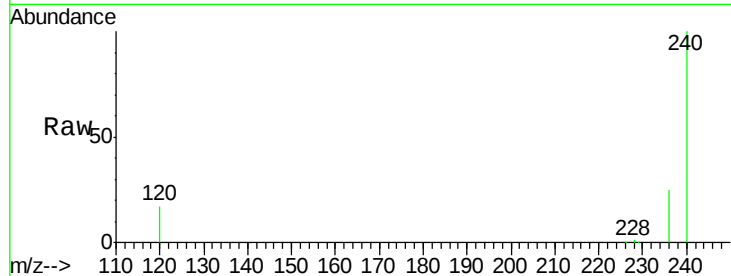
Tgt Ion:228 Resp: 2416

Ion Ratio Lower Upper

228 100

226 18.0 19.0 28.4#

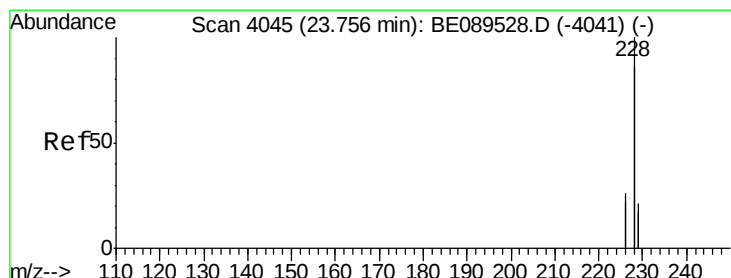
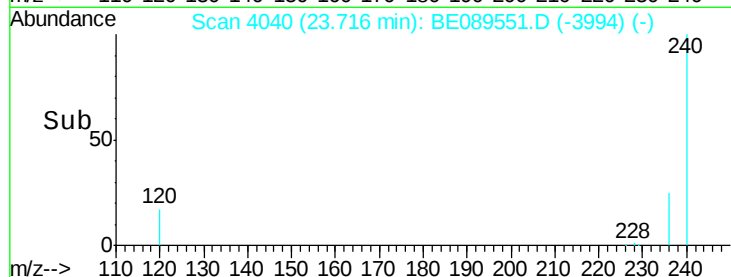
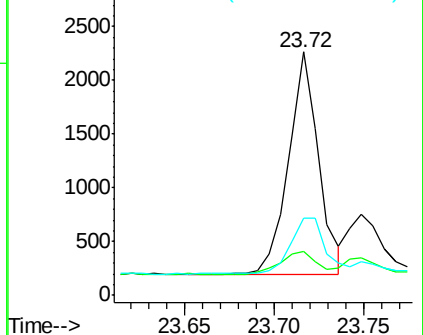
229 31.6 16.8 25.2#



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: 0.00 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

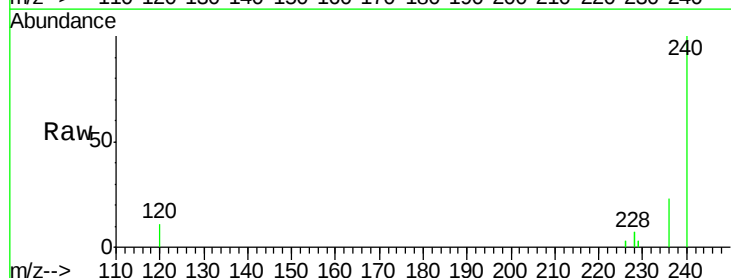
Tgt Ion:228 Resp: 786

Ion Ratio Lower Upper

228 100

226 45.6 21.0 31.4#

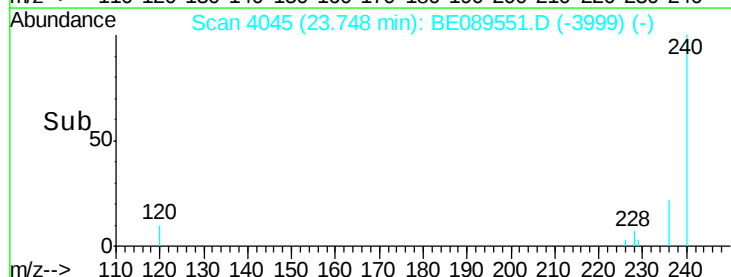
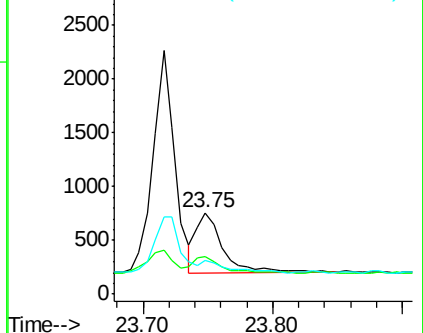
229 41.9 16.7 25.1#

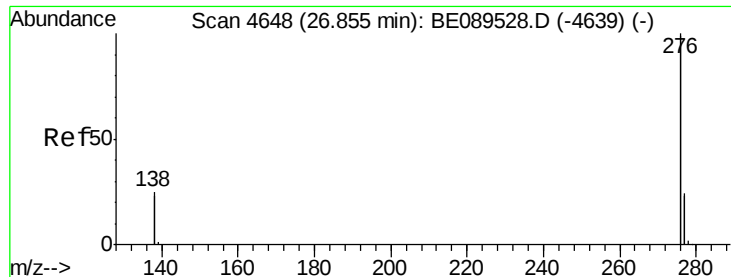


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.00 ng

RT: 26.85 min Scan# 4648

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

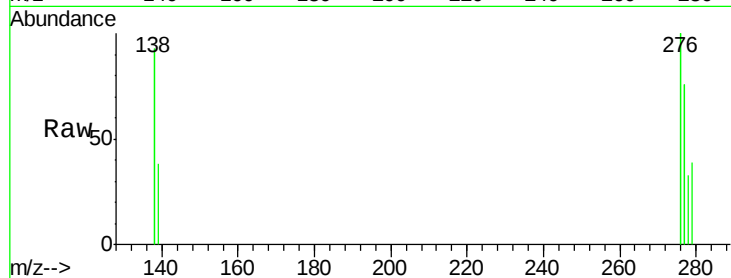
Tgt Ion:276 Resp: 364

Ion Ratio Lower Upper

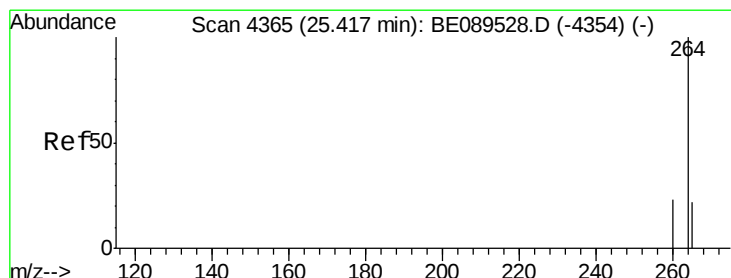
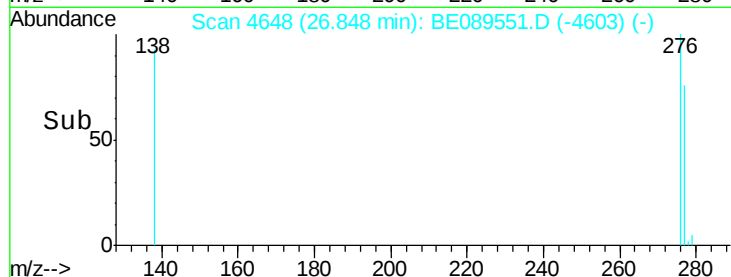
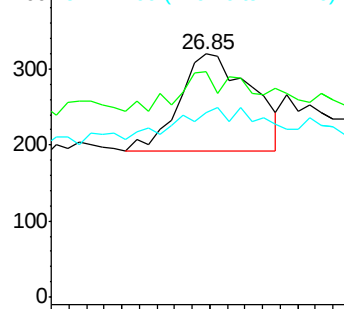
276 100

138 21.2 23.0 34.4#

277 21.4 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# 4365

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

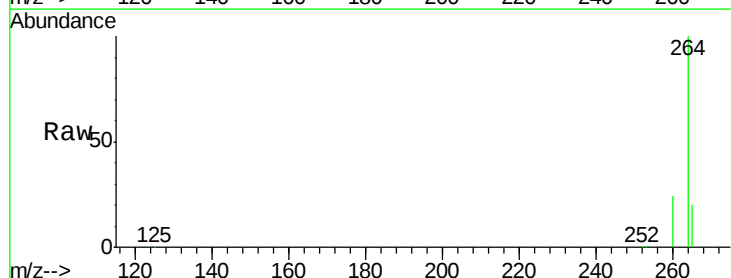
Tgt Ion:264 Resp: 217551

Ion Ratio Lower Upper

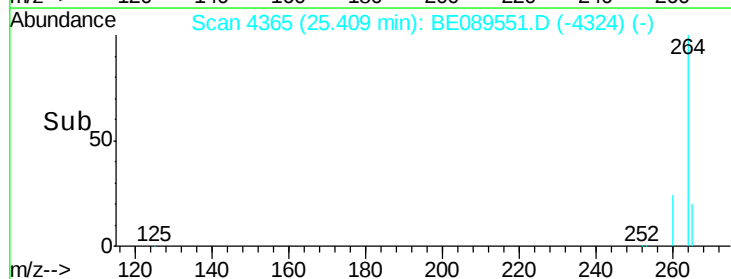
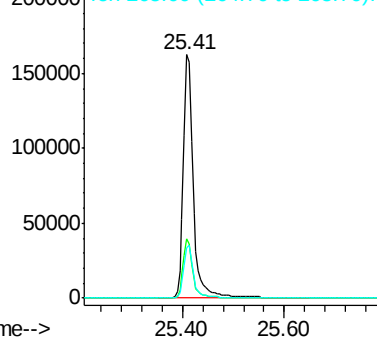
264 100

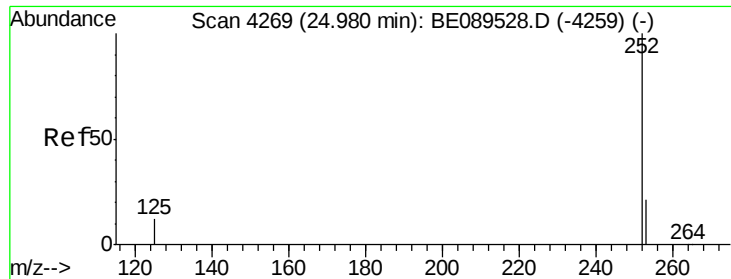
260 24.2 18.7 28.1

265 20.5 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: 0.00 ng

RT: 24.98 min Scan# 4270

Delta R.T. -0.00 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampled :

DFTPP

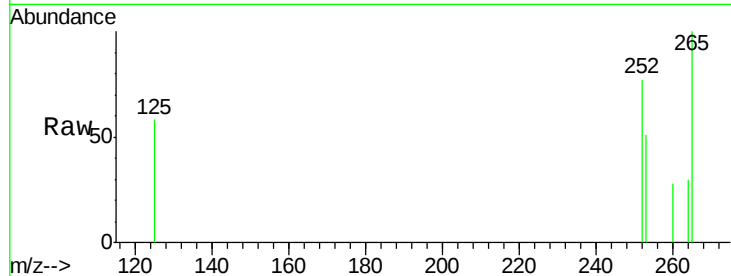
Tgt Ion: 252 Resp: 100

Ion Ratio Lower Upper

252 100

253 65.4 17.4 26.0#

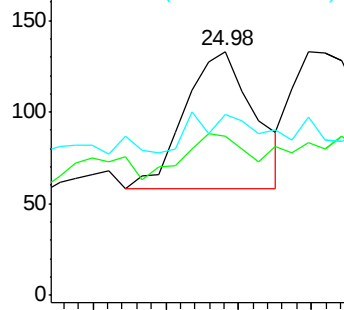
125 74.4 10.4 15.6#



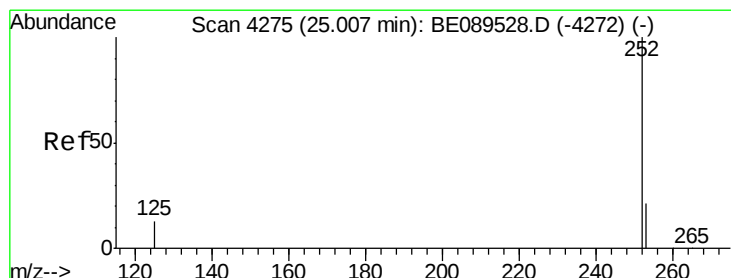
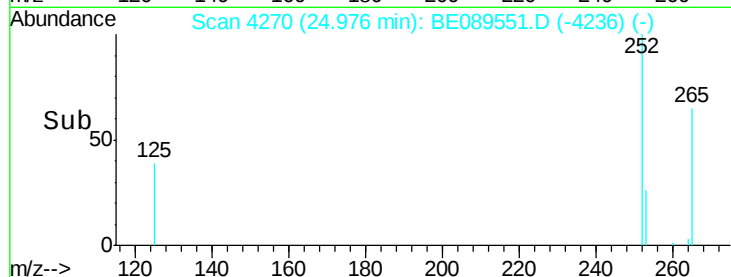
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

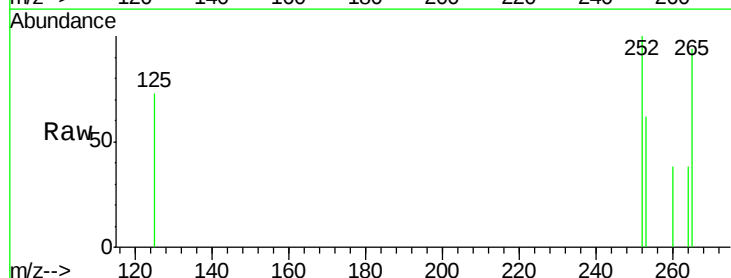
Tgt Ion: 252 Resp: 143

Ion Ratio Lower Upper

252 100

253 62.4 17.2 25.8#

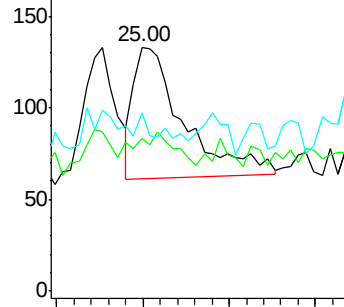
125 72.9 10.6 15.8#



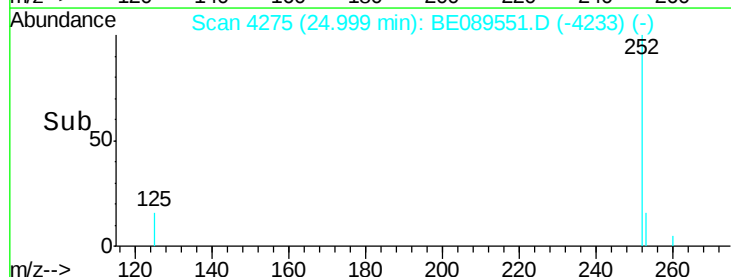
Abundance Ion 252.00 (251.70 to 252.70): E

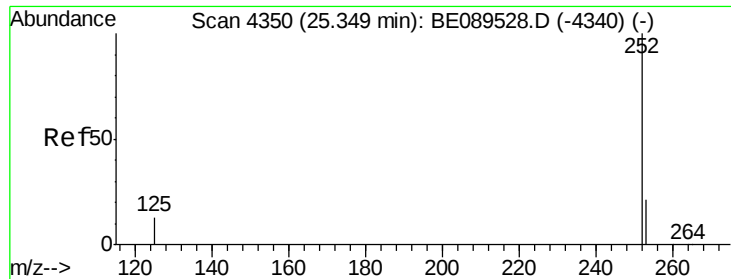
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.00 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP

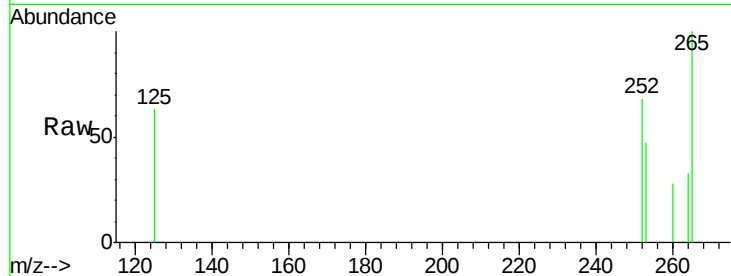
Tgt Ion: 252 Resp: 104

Ion Ratio Lower Upper

252 100

253 68.9 17.8 26.6#

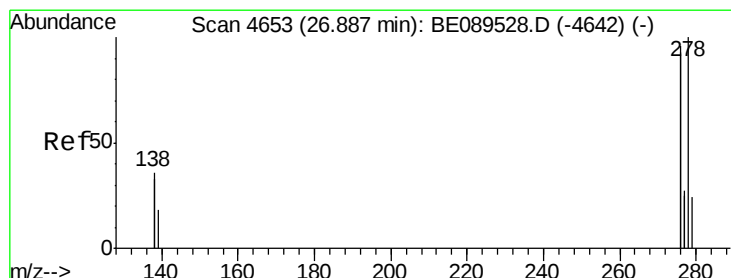
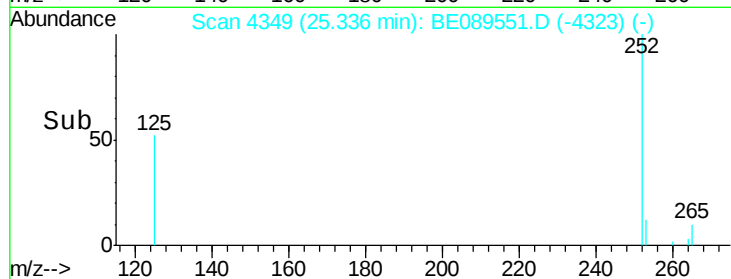
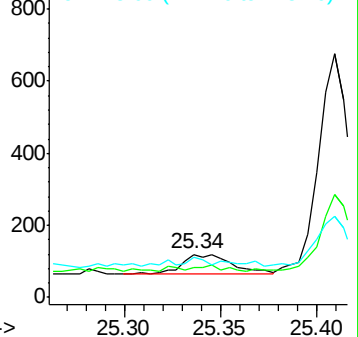
125 92.4 11.4 17.2#



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: 0.00 ng

RT: 26.87 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089551.D

Acq: 7 Feb 2015 8:04

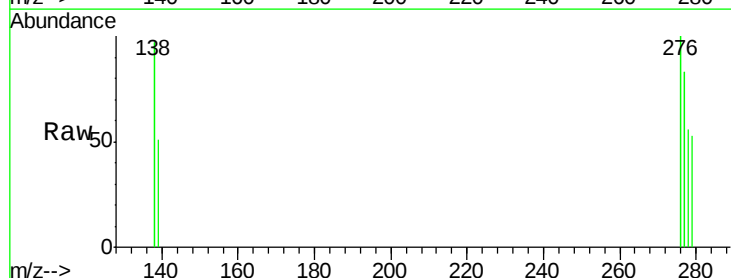
Tgt Ion: 278 Resp: 59

Ion Ratio Lower Upper

278 100

139 90.9 15.7 23.5#

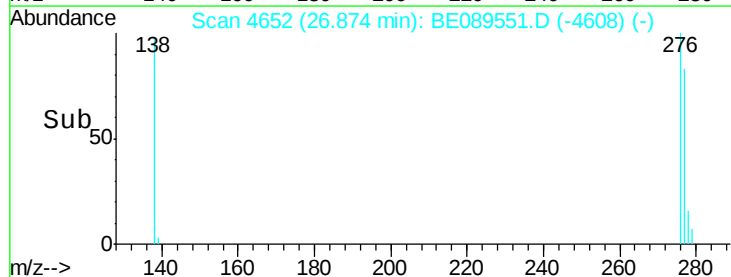
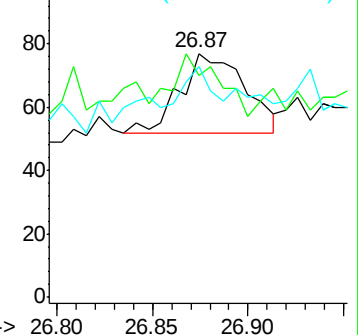
279 94.8 19.5 29.3#

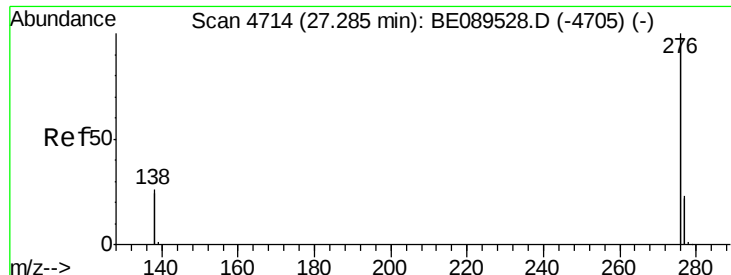


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng

RT: 27.27 min Scan# 4713

Delta R.T. -0.01 min

Lab File: BE089551.D

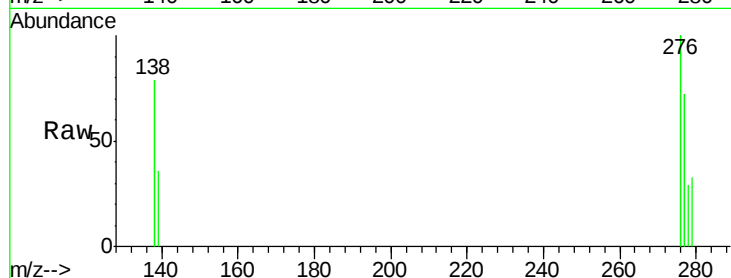
Acq: 7 Feb 2015 8:04

Instrument :

BNA_E

ClientSampleId :

DFTPP



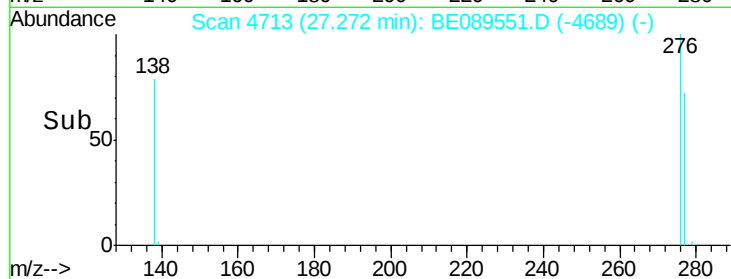
Tgt Ion: 276 Resp: 527

Ion Ratio Lower Upper

276 100

277 72.3 18.6 27.8#

138 78.8 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

27.27

Time-->