

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089478.D
 Acq On : 4 Feb 2015 00:08
 Operator : TP/IZ
 Sample : G1110-06
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-48

Quant Time: Feb 04 02:47:48 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	169403	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	679663	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	331406	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	555260	5.00	ng	0.00
20) Chrysene-d12	23.79	240	513955	5.00	ng	0.00
27) Perylene-d12	25.50	264	462480	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	221955	4.05	ng	0.00
4) Phenol-d6	8.85	99	179218	2.61	ng	0.00
8) Nitrobenzene-d5	10.80	82	445199	8.66	ng	0.01
14) 2,4,6-Tribromophenol	18.52	330	151195	10.52	ng	0.01
15) 2-Fluorobiphenyl	15.07	172	651745	7.46	ng	0.00
22) Terphenyl-d14	22.43	244	733934	10.07	ng	0.00

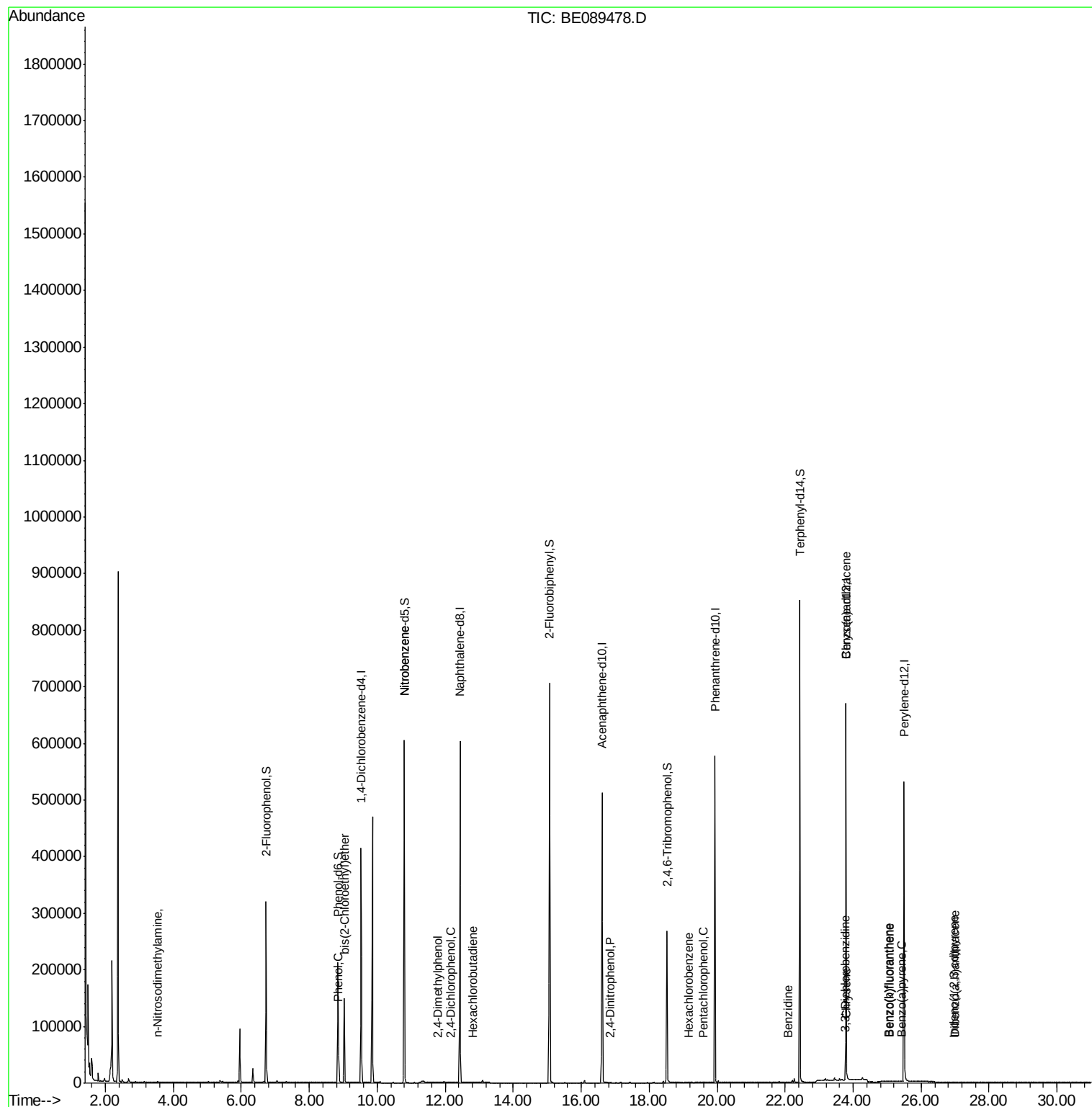
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.55	42	252	0.09	ng	# 1
5) Phenol	8.87	94	21371	0.28	ng	# 29
6) bis(2-Chloroethyl)ether	9.03	93	735	0.01	ng	# 1
9) Nitrobenzene	10.80	77	1631	0.03	ng	# 37
10) 2,4-Dimethylphenol	11.78	122	305	0.01	ng	# 80
11) 2,4-Dichlorophenol	12.16	162	138	0.00	ng	# 37
12) Hexachlorobutadiene	12.81	225	66	0.00	ng	# 48
16) 2,4-Dinitrophenol	16.85	184	15	0.40	ng	# 1
18) Hexachlorobenzene	19.17	284	71	0.00	ng	# 1
19) Pentachlorophenol	19.61	266	144	0.37	ng	# 81
21) Benzidine	22.09	184	33	0.09	ng	# 1
23) Benzo(a)anthracene	23.78	228	9786	0.02	ng	# 76
24) 3,3'-Dichlorobenzidine	23.76	252	315	0.13	ng	# 4
25) Chrysene	23.82	228	2650	0.01	ng	# 39
26) Indeno(1,2,3-cd)pyrene	26.97	276	572	0.14	ng	# 91
28) Benzo(b)fluoranthene	25.05	252	671	0.19	ng	# 1
29) Benzo(k)fluoranthene	25.07	252	833	0.01	ng	# 1
30) Benzo(a)pyrene	25.42	252	674	0.18	ng	# 1
31) Dibenzo(a,h)anthracene	27.00	278	705	0.15	ng	# 1

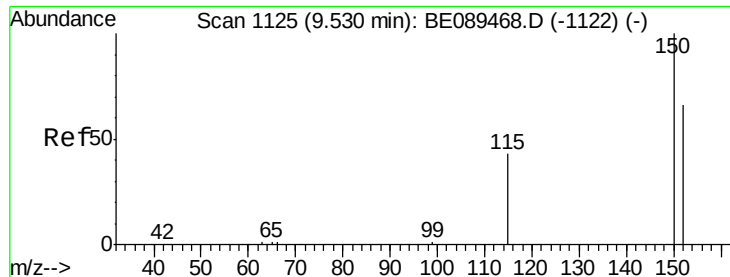
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

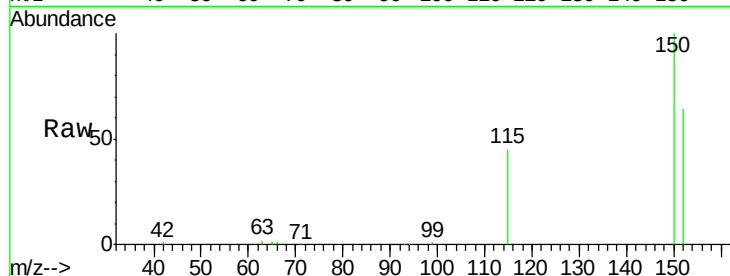
Tgt Ion:152 Resp: 169403

Ion Ratio Lower Upper

152 100

150 156.6 122.1 183.1

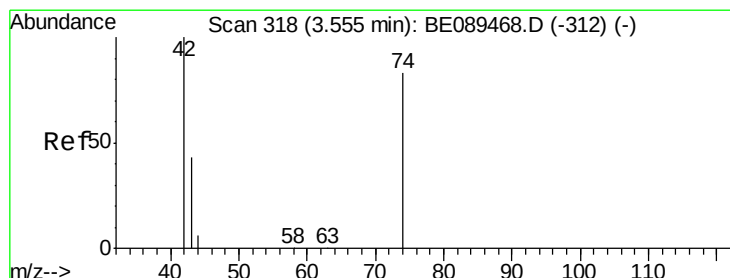
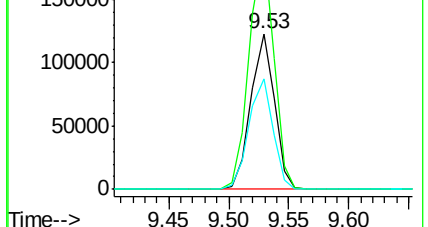
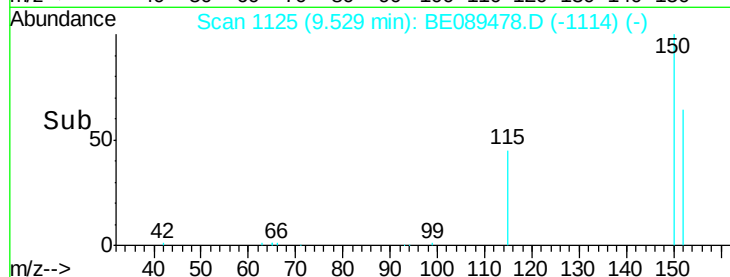
115 70.9 53.2 79.8



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

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.55 min Scan# 317

Delta R.T. -0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

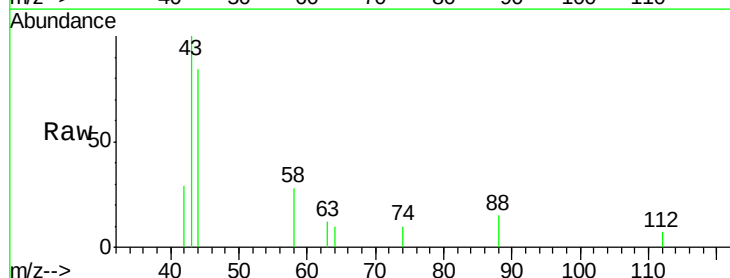
Tgt Ion: 42 Resp: 252

Ion Ratio Lower Upper

42 100

74 34.3 65.4 98.2#

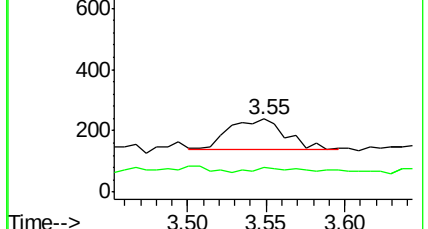
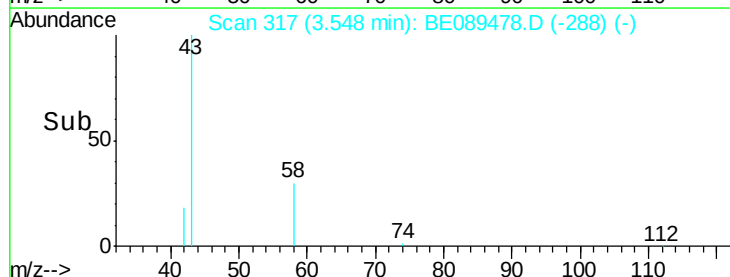
44 287.4 11.7 17.5#

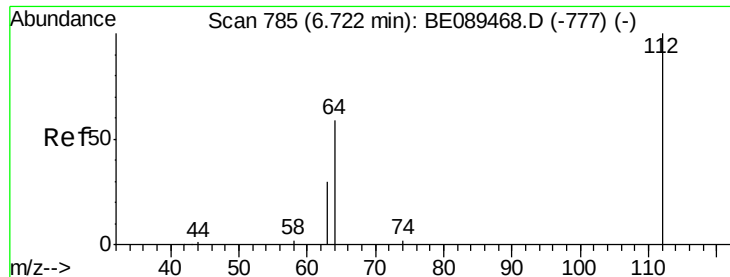


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

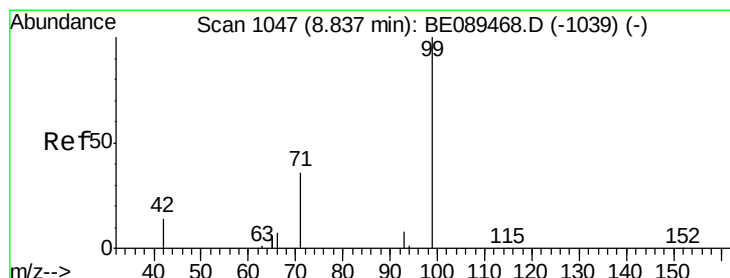
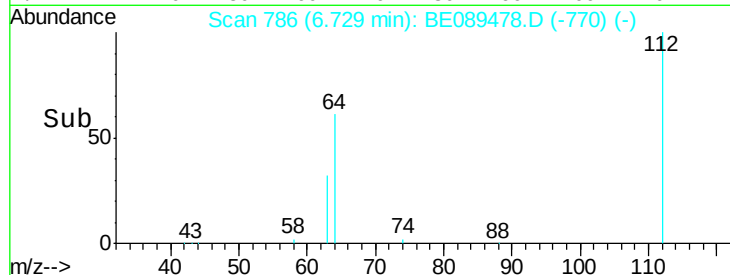
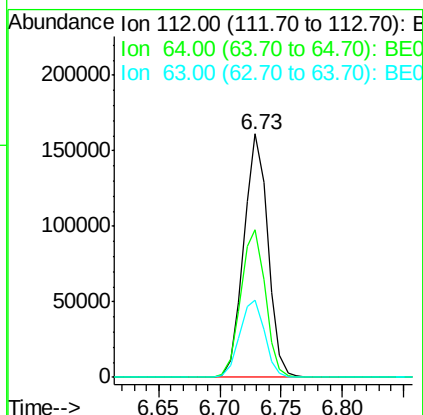
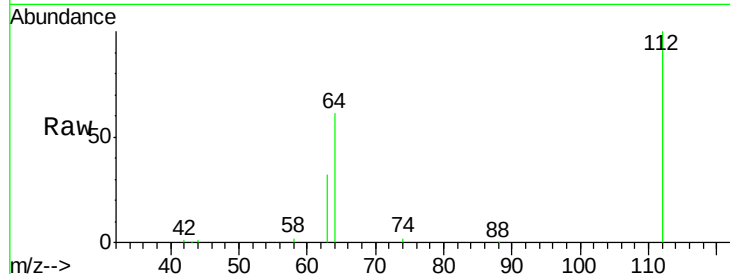




#3
 2-Fluorophenol
 Concen: 4.05 ng
 RT: 6.73 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: BE089478.D
 Acq: 4 Feb 2015 00:08

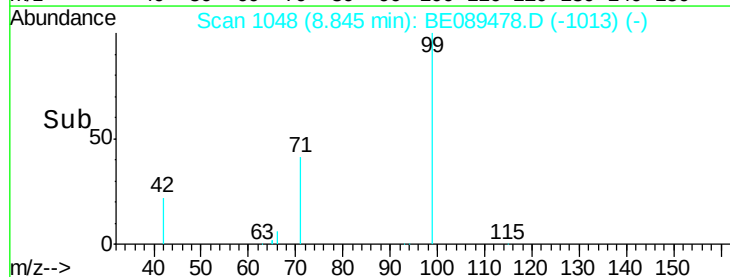
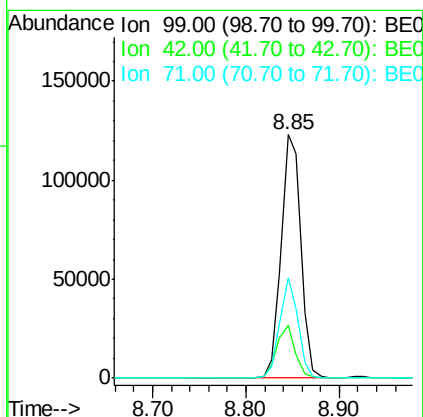
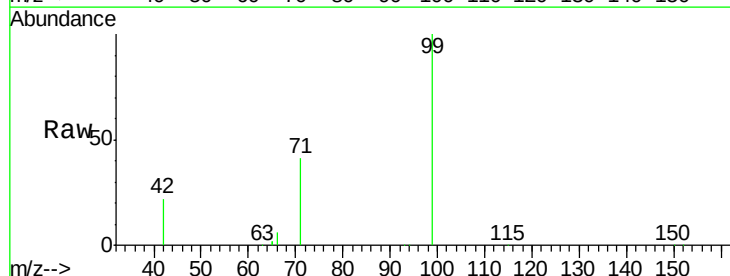
Instrument :
 BNA_E
 ClientSampleId :
 MW-48

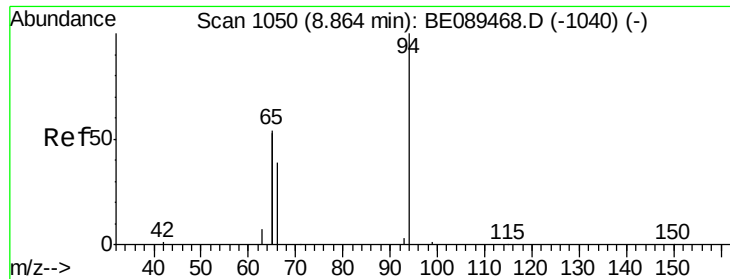
Tgt Ion: 112 Resp: 221955
 Ion Ratio Lower Upper
 112 100
 64 60.9 47.0 70.6
 63 31.9 24.2 36.2



#4
 Phenol-d6
 Concen: 2.61 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BE089478.D
 Acq: 4 Feb 2015 00:08

Tgt Ion: 99 Resp: 179218
 Ion Ratio Lower Upper
 99 100
 42 22.0 11.8 17.6#
 71 41.1 28.7 43.1





#5

Phenol

Concen: 0.28 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

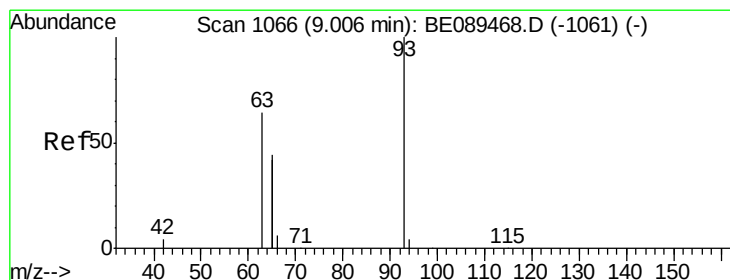
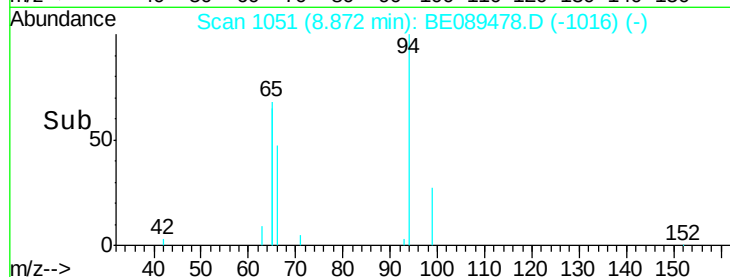
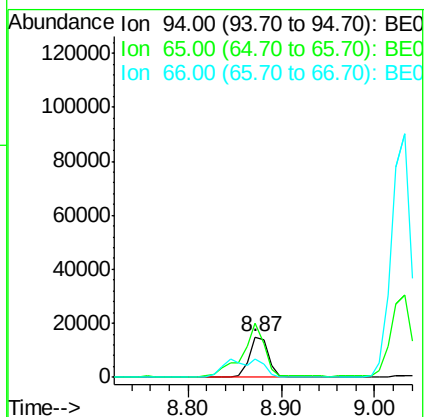
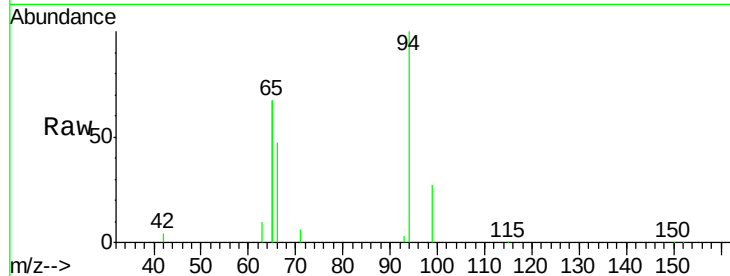
Tgt Ion: 94 Resp: 21371

Ion Ratio Lower Upper

94 100

65 134.9 33.9 73.9#

66 46.8 19.1 59.1



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.03 min Scan# 1069

Delta R.T. 0.03 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

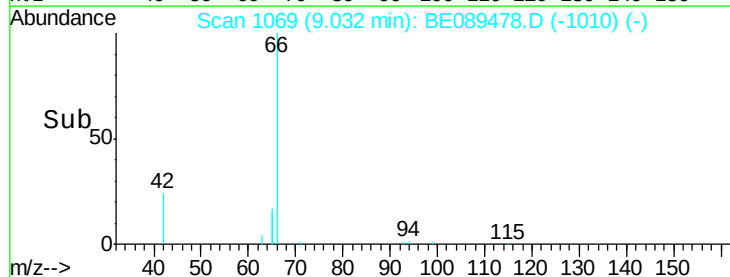
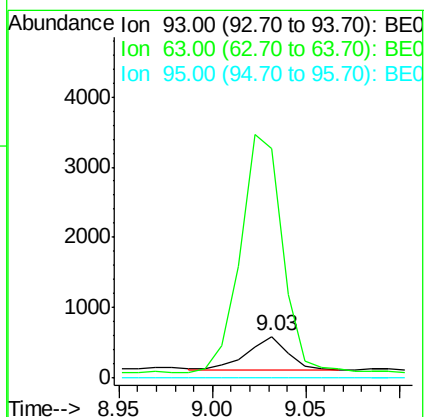
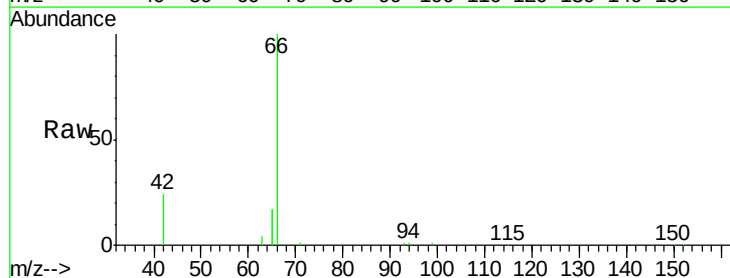
Tgt Ion: 93 Resp: 735

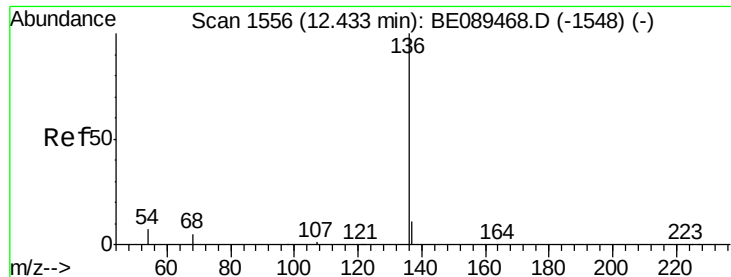
Ion Ratio Lower Upper

93 100

63 729.9 57.0 85.6#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

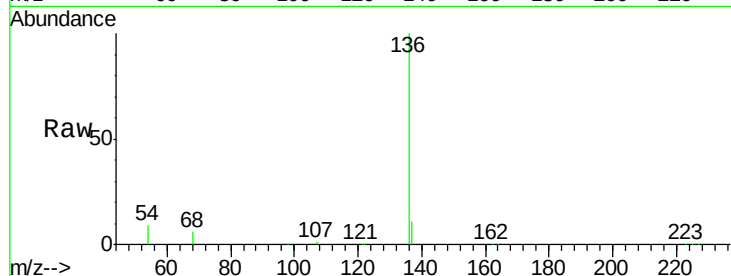
Tgt Ion: 136 Resp: 679663

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

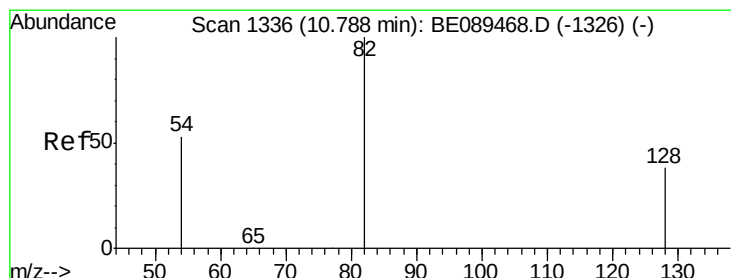
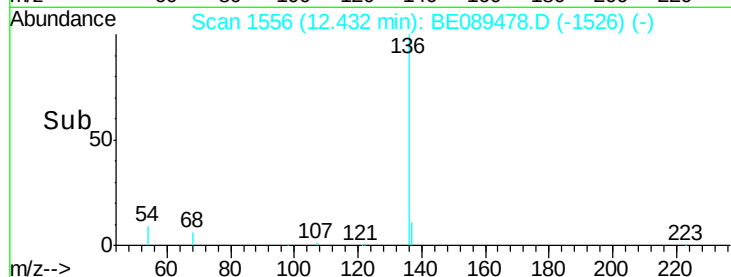
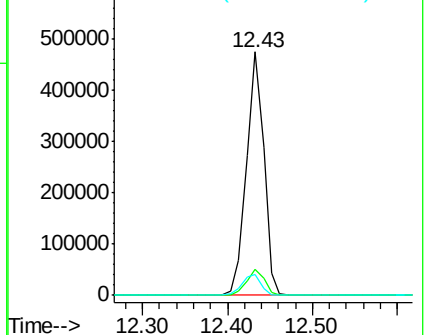
54 8.6 5.4 8.0#



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



#8

Nitrobenzene-d5

Concen: 8.66 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

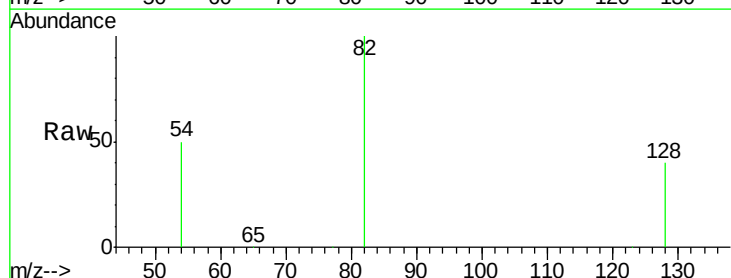
Tgt Ion: 82 Resp: 445199

Ion Ratio Lower Upper

82 100

128 39.8 30.3 45.5

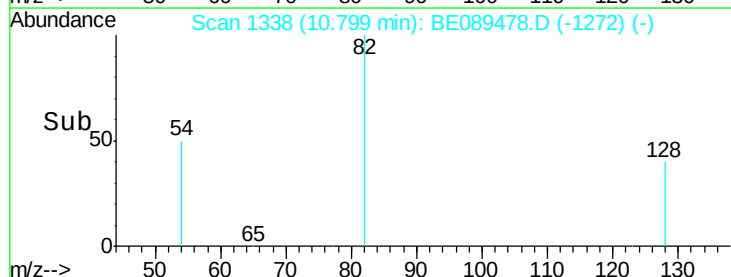
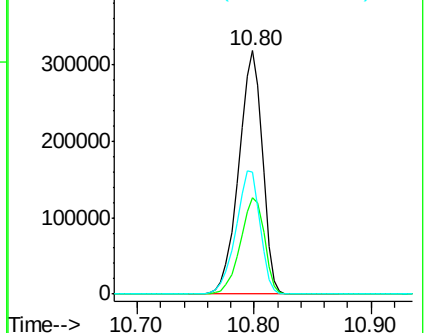
54 49.9 43.1 64.7

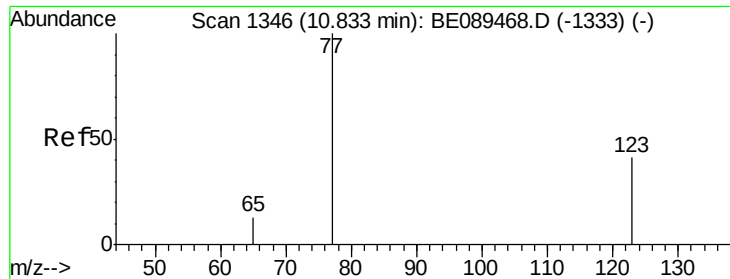


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.03 ng

RT: 10.80 min Scan# 1338

Delta R.T. -0.03 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampled :

MW-48

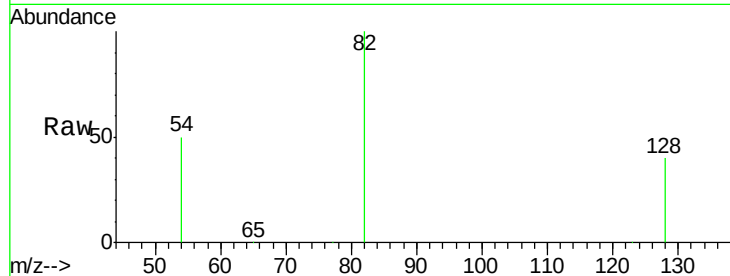
Tgt Ion: 77 Resp: 1631

Ion Ratio Lower Upper

77 100

123 0.0 33.4 50.0#

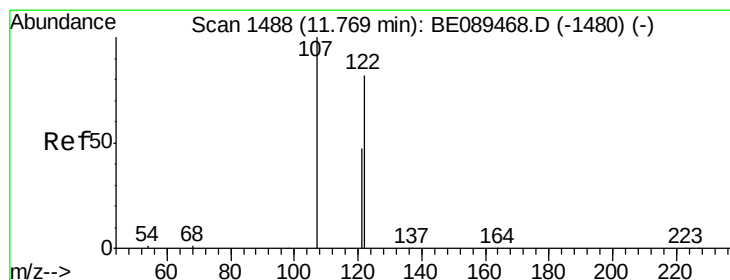
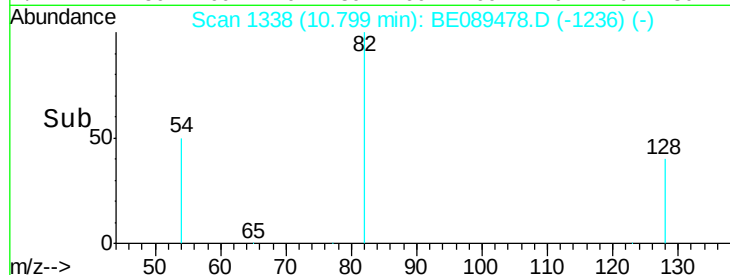
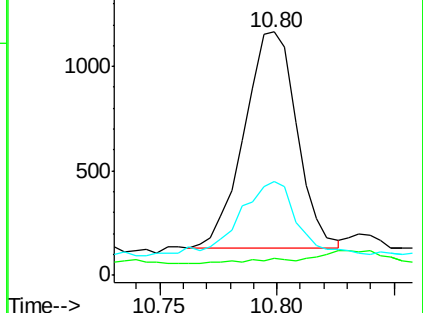
65 34.5 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.01 ng

RT: 11.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

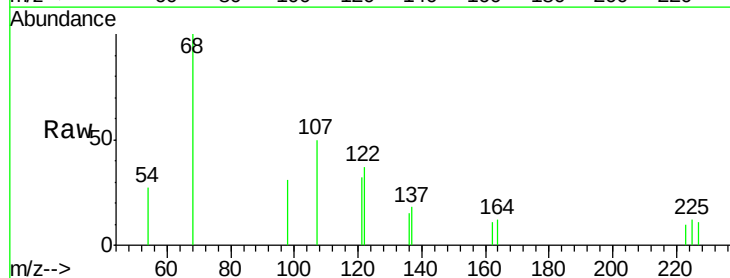
Tgt Ion: 122 Resp: 305

Ion Ratio Lower Upper

122 100

107 134.5 97.3 145.9

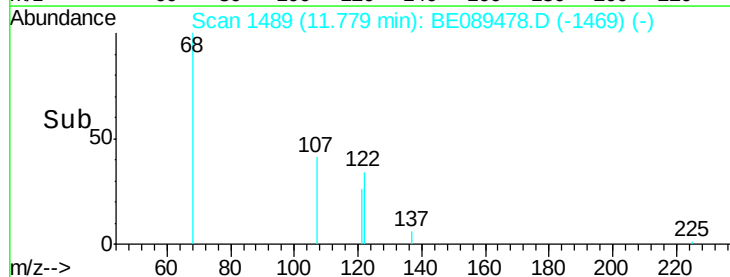
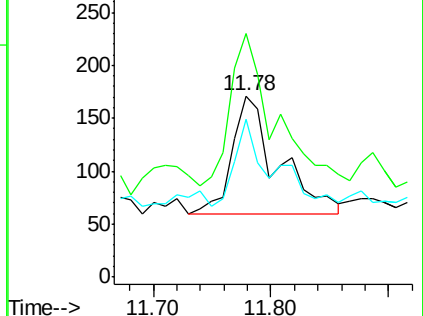
121 87.1 46.4 69.6#

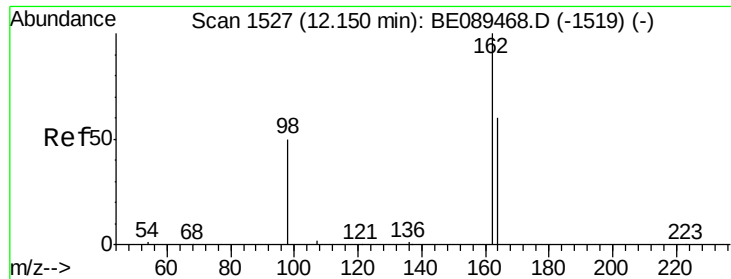


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

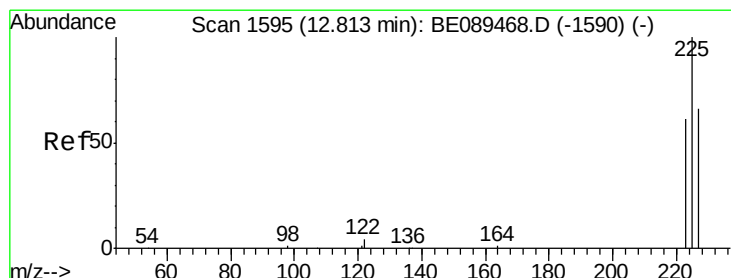
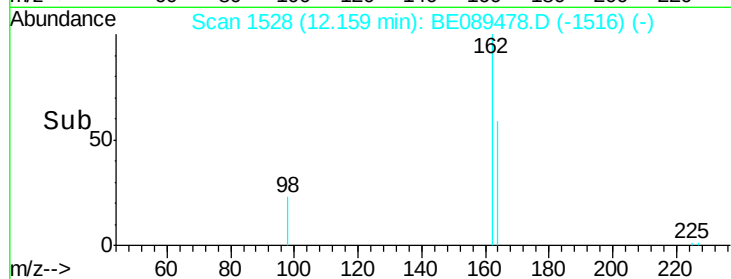
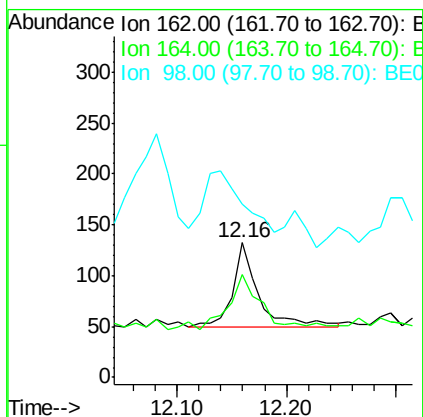
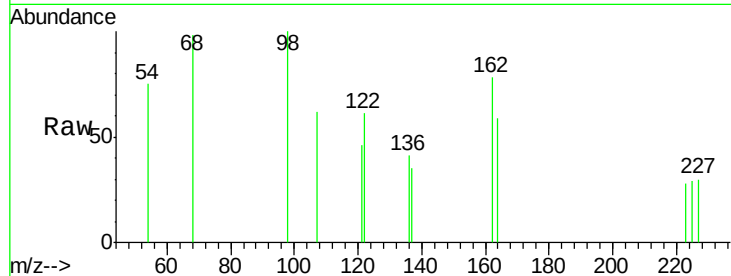




#11
 2,4-Dichlorophenol
 Concen: 0.00 ng
 RT: 12.16 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BE089478.D
 Acq: 4 Feb 2015 00:08

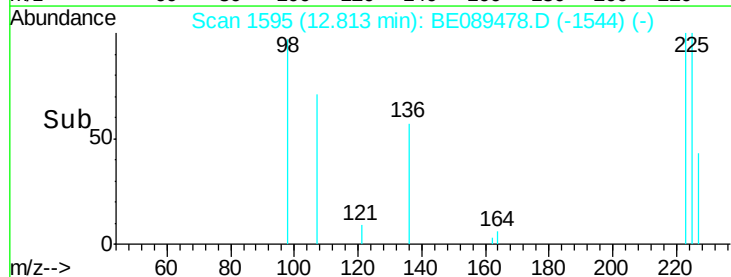
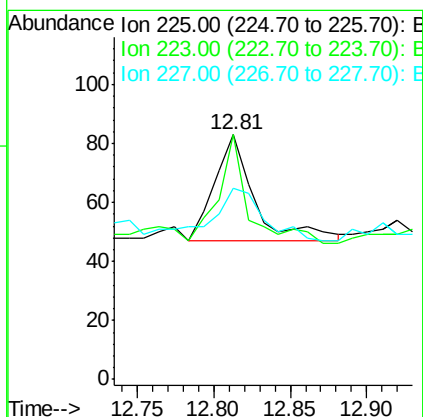
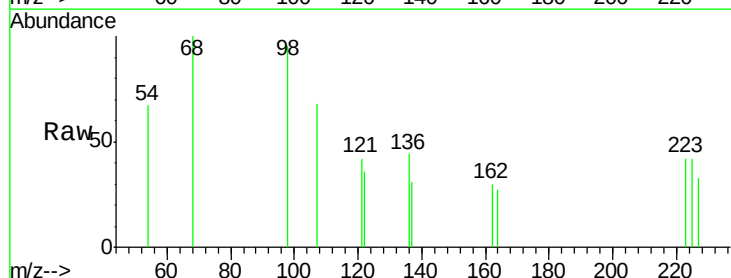
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 MW-48

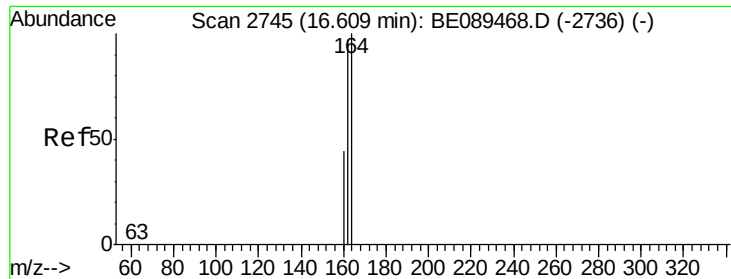
Tgt Ion:162 Resp: 138
 Ion Ratio Lower Upper
 162 100
 164 76.5 39.9 79.9
 98 128.8 31.3 71.3#



#12
 Hexachlorobutadiene
 Concen: 0.00 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BE089478.D
 Acq: 4 Feb 2015 00:08

Tgt Ion:225 Resp: 66
 Ion Ratio Lower Upper
 225 100
 223 77.3 49.4 74.0#
 227 0.0 51.2 76.8#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampled :

MW-48

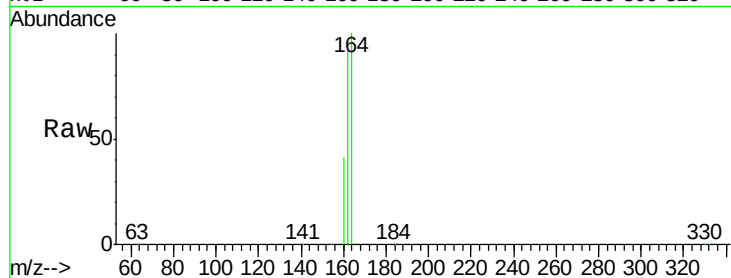
Tgt Ion:164 Resp: 331406

Ion Ratio Lower Upper

164 100

162 92.9 77.6 116.4

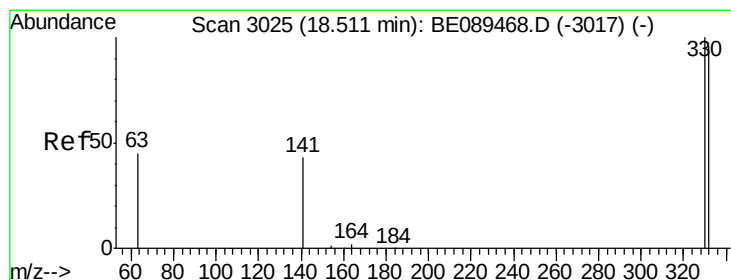
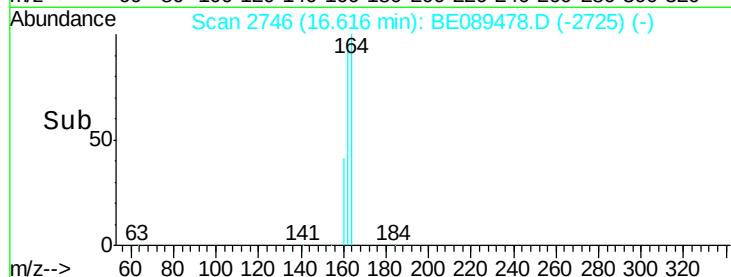
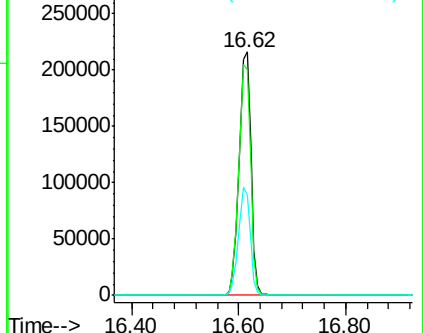
160 41.2 35.6 53.4



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



#14

2,4,6-Tribromophenol

Concen: 10.52 ng

RT: 18.52 min Scan# 3027

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

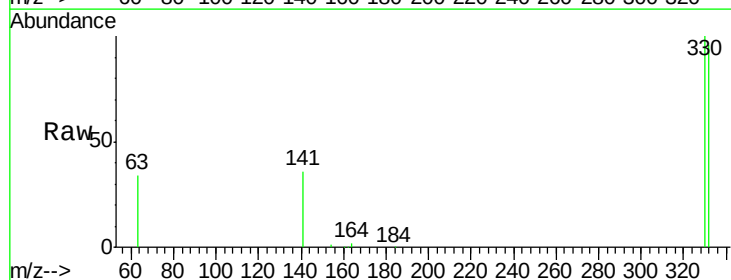
Tgt Ion:330 Resp: 151195

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

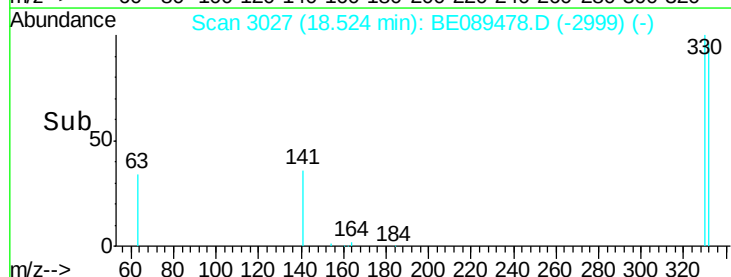
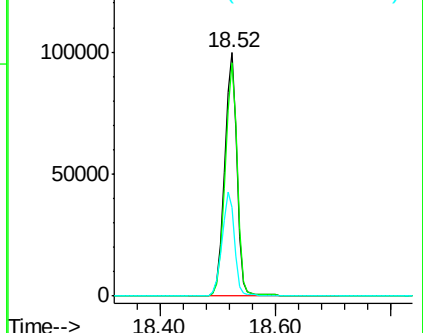
141 43.0 33.8 50.6

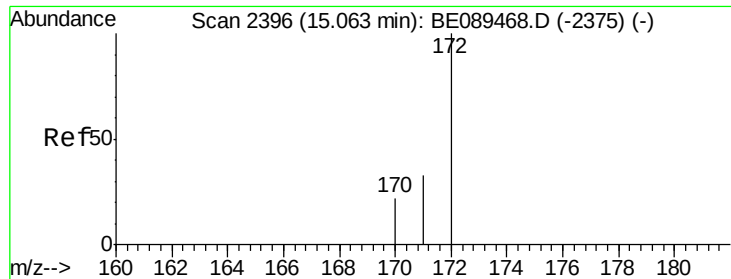


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

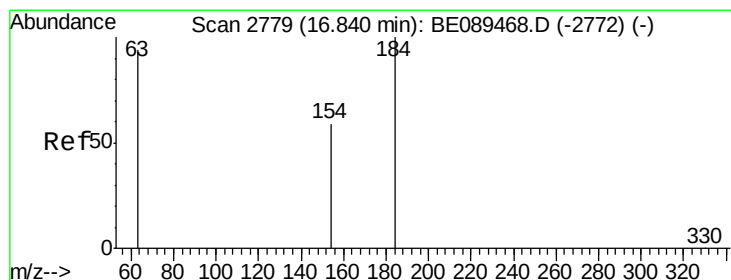
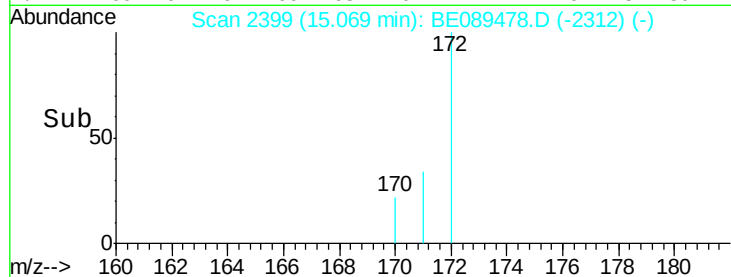
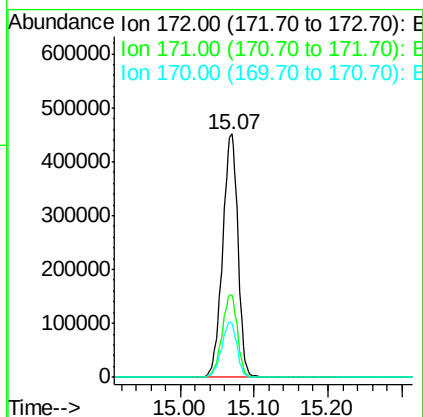
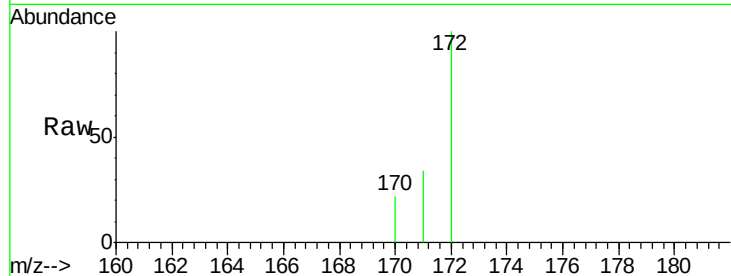




#15
2-Fluorobiphenyl
Concen: 7.46 ng
RT: 15.07 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BE089478.D
Acq: 4 Feb 2015 00:08

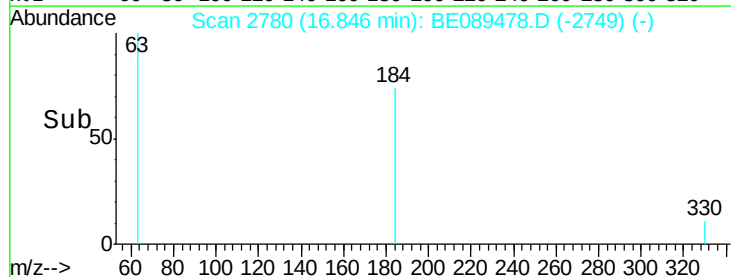
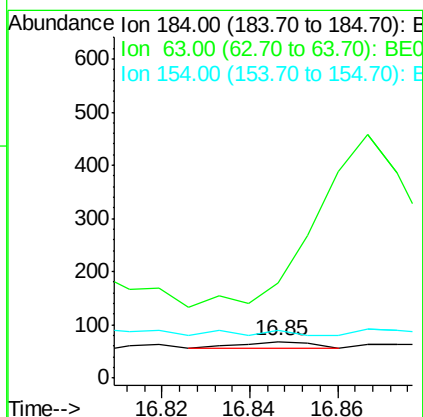
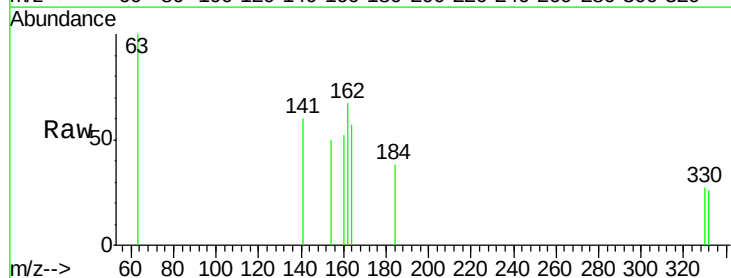
Instrument :
BNA_E
ClientSampleId :
MW-48

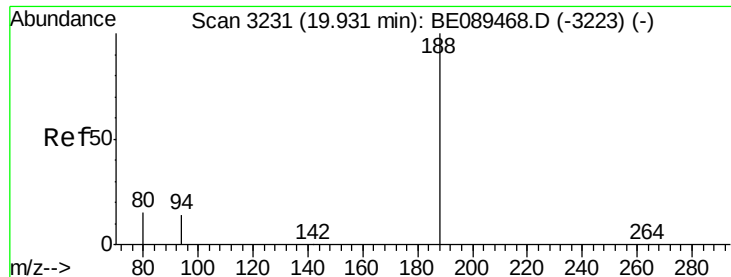
Tgt Ion:172 Resp: 651745
Ion Ratio Lower Upper
172 100
171 34.0 26.8 40.2
170 22.5 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.85 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BE089478.D
Acq: 4 Feb 2015 00:08

Tgt Ion:184 Resp: 15
Ion Ratio Lower Upper
184 100
63 261.8 92.1 138.1#
154 130.9 61.4 92.2#

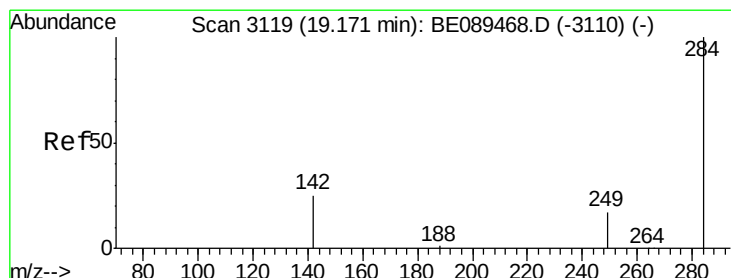
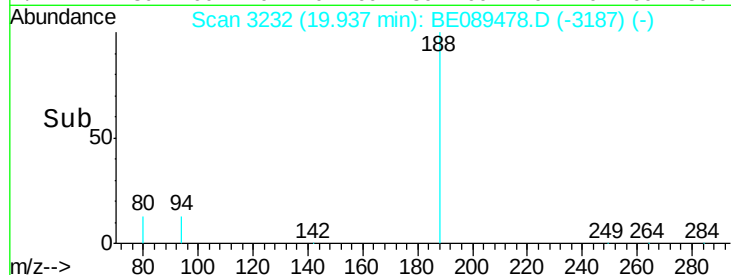
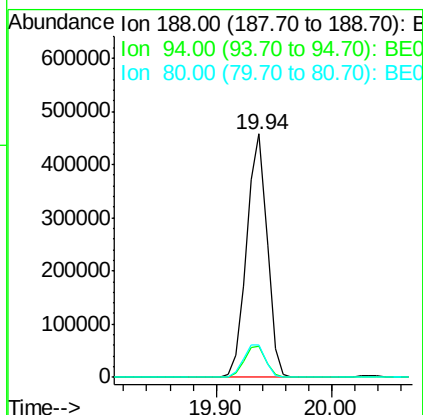
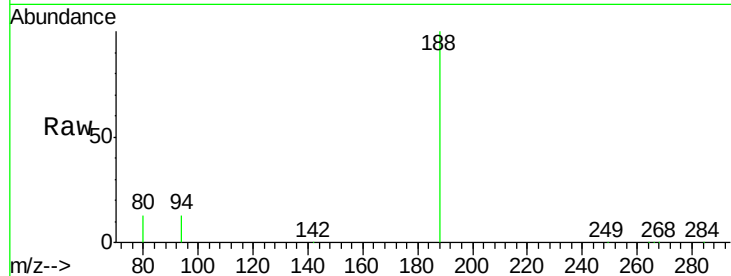




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.94 min Scan# 3232
Delta R.T. 0.01 min
Lab File: BE089478.D
Acq: 4 Feb 2015 00:08

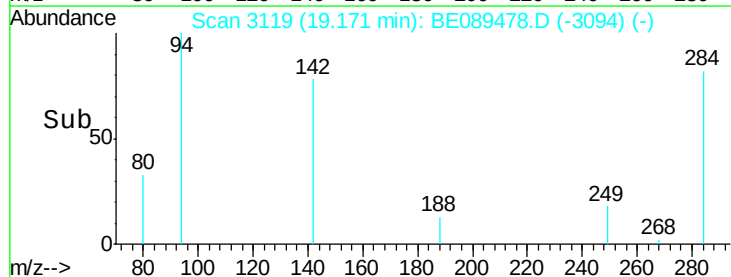
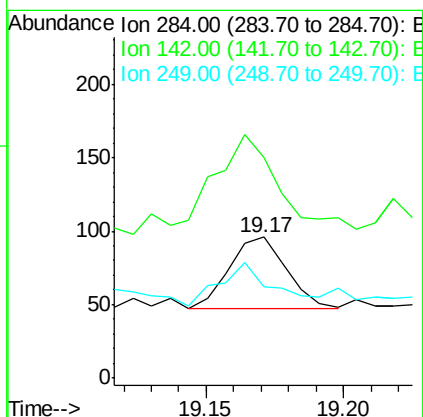
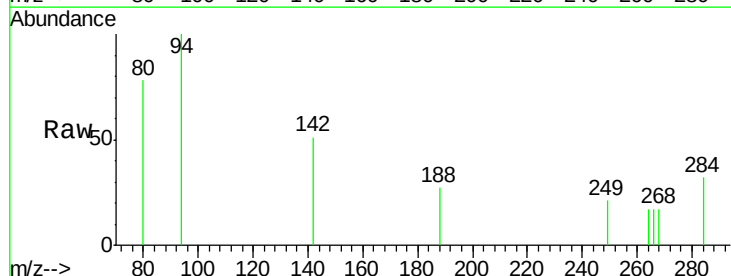
Instrument :
BNA_E
ClientSampleId :
MW-48

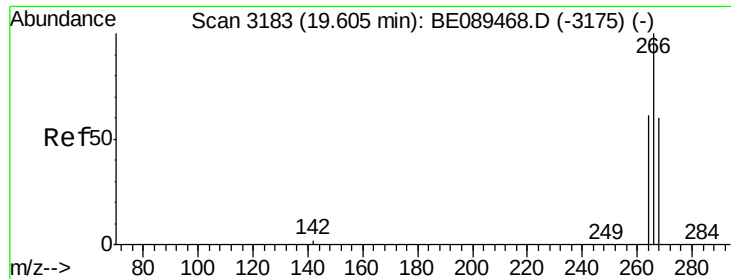
Tgt Ion:188 Resp: 555260
Ion Ratio Lower Upper
188 100
94 12.8 11.1 16.7
80 13.2 11.8 17.6



#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.17 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BE089478.D
Acq: 4 Feb 2015 00:08

Tgt Ion:284 Resp: 71
Ion Ratio Lower Upper
284 100
142 156.3 24.4 36.6#
249 64.6 18.2 27.2#





#19

Pentachlorophenol

Concen: 0.37 ng

RT: 19.61 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

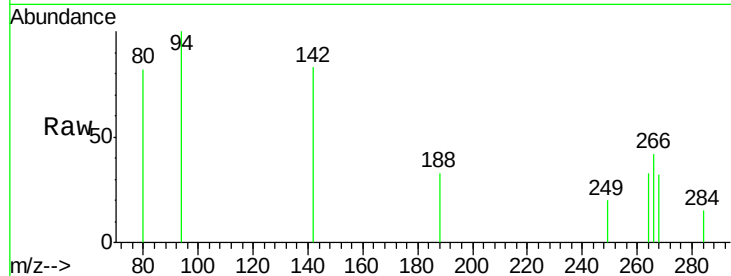
Tgt Ion:266 Resp: 144

Ion Ratio Lower Upper

266 100

268 76.1 50.0 75.0#

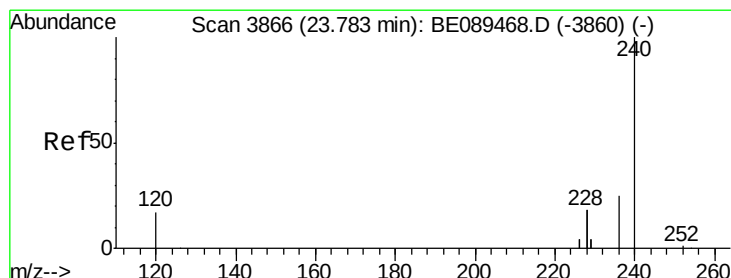
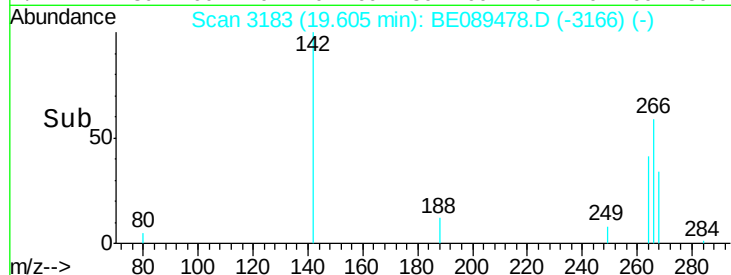
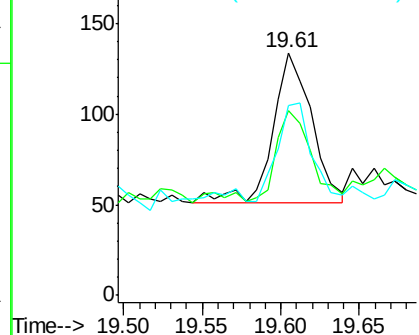
264 78.4 50.6 75.8#



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



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.79 min Scan# 3866

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

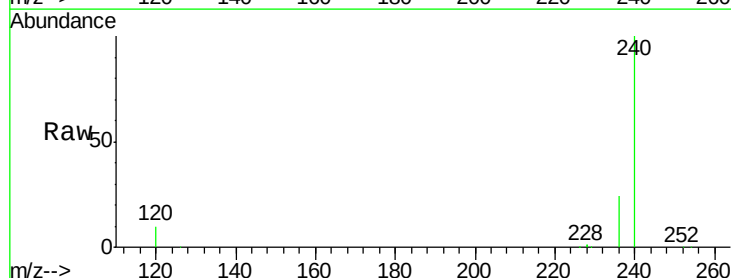
Tgt Ion:240 Resp: 513955

Ion Ratio Lower Upper

240 100

120 9.6 13.8 20.6#

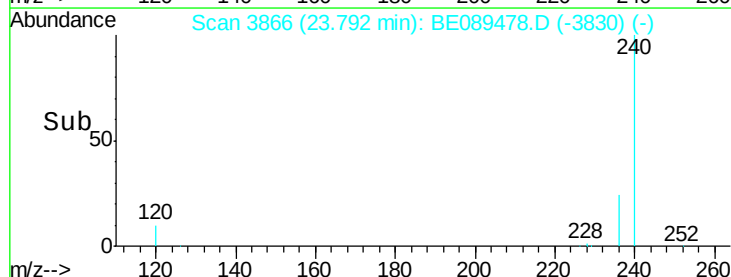
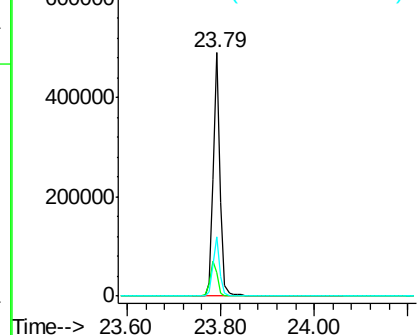
236 24.4 20.2 30.2

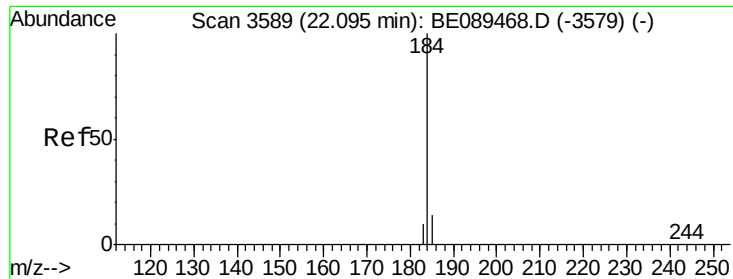


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.09 ng

RT: 22.09 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

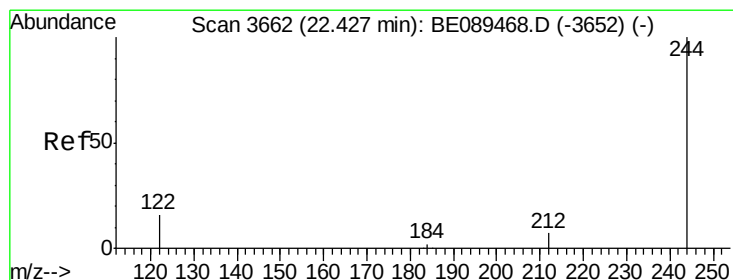
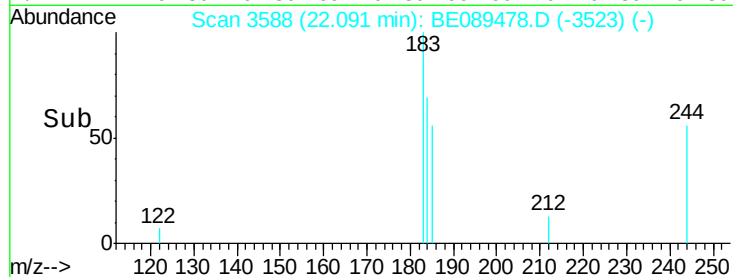
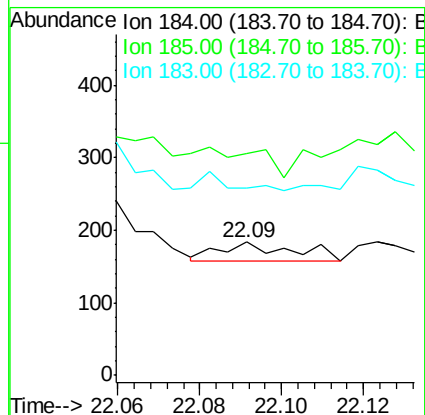
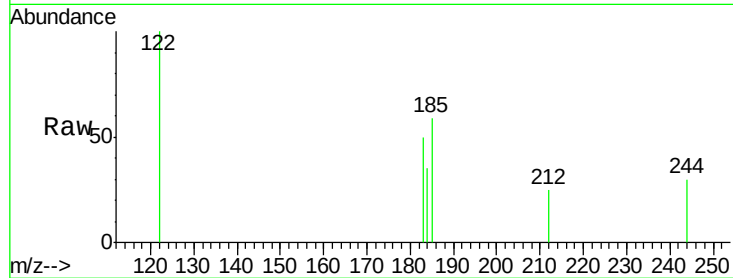
Tgt Ion:184 Resp: 33

Ion Ratio Lower Upper

184 100

185 166.3 12.0 18.0#

183 140.2 9.0 13.4#



#22

Terphenyl-d14

Concen: 10.07 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

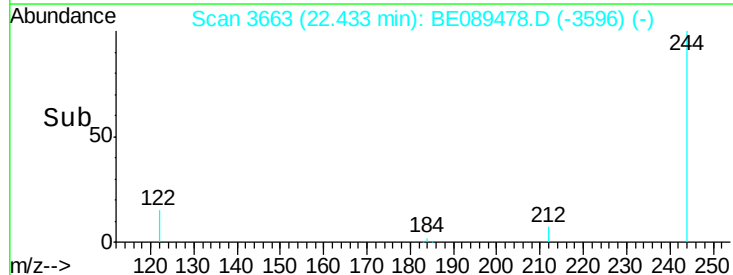
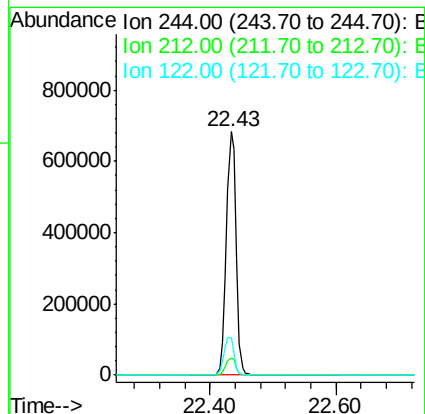
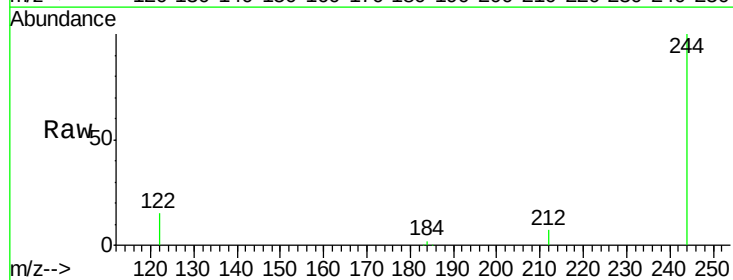
Tgt Ion:244 Resp: 733934

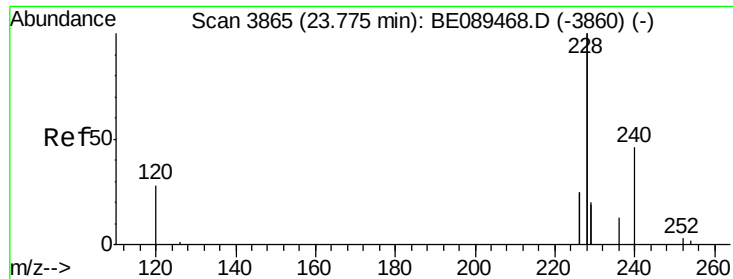
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 15.4 12.6 19.0





#23

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.78 min Scan# 3865

Delta R.T. 0.01 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

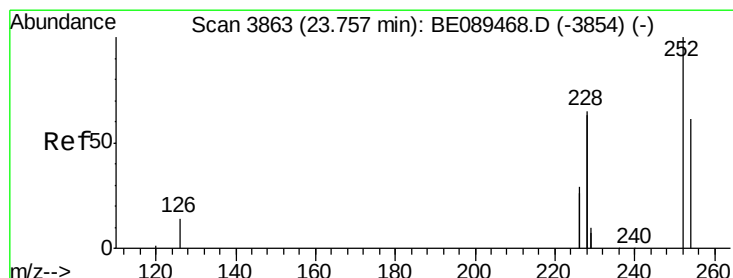
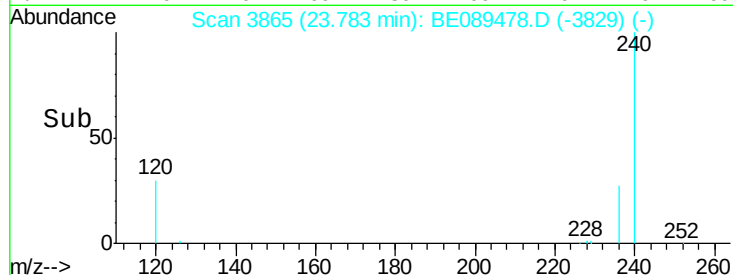
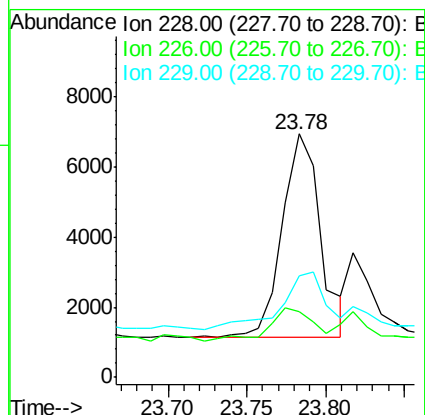
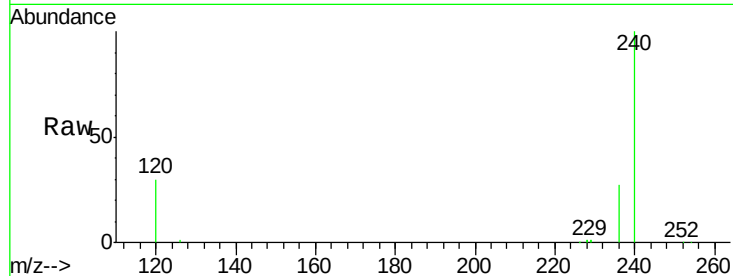
Tgt Ion:228 Resp: 9786

Ion Ratio Lower Upper

228 100

226 26.7 19.6 29.4

229 41.8 15.9 23.9#



#24

3,3'-Dichlorobenzidine

Concen: 0.13 ng

RT: 23.76 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

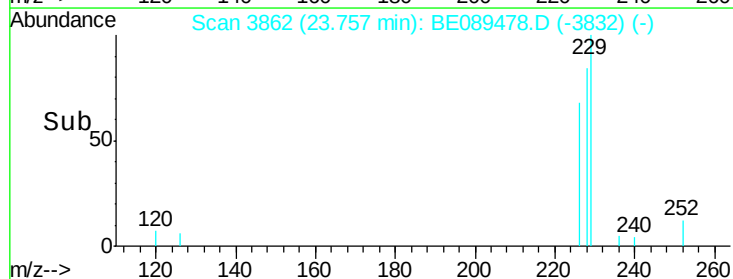
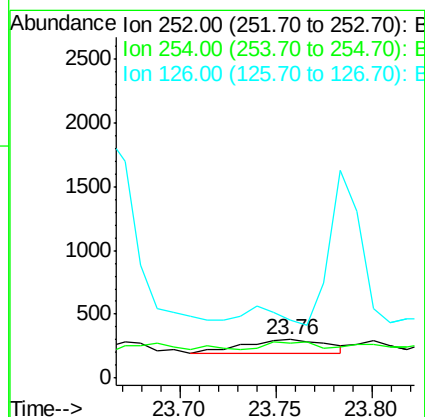
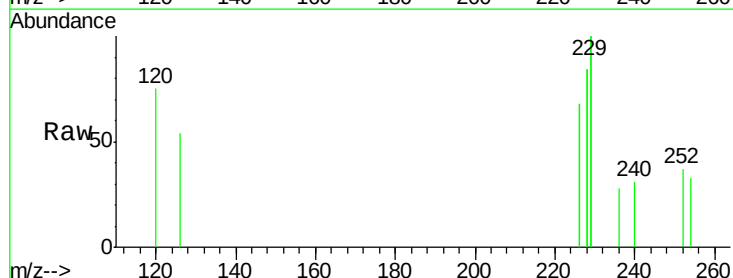
Tgt Ion:252 Resp: 315

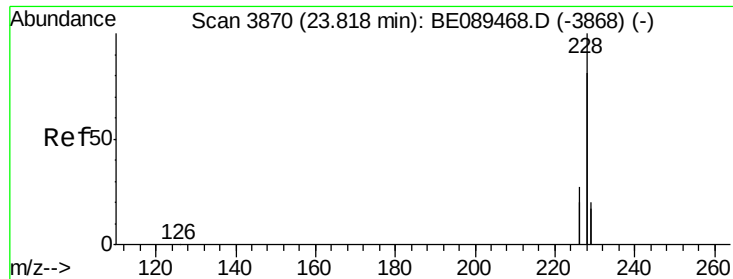
Ion Ratio Lower Upper

252 100

254 91.1 48.6 73.0#

126 148.8 12.4 18.6#





#25

Chrysene

Concen: 0.01 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

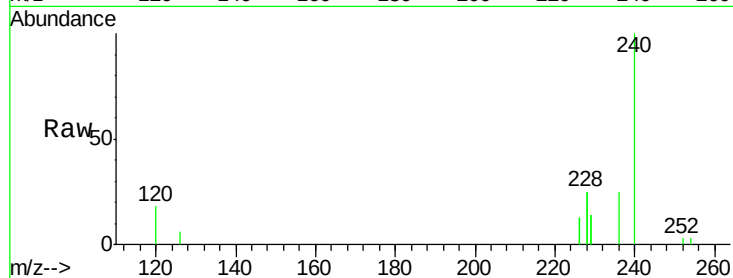
Tgt Ion:228 Resp: 2650

Ion Ratio Lower Upper

228 100

226 52.2 21.8 32.8#

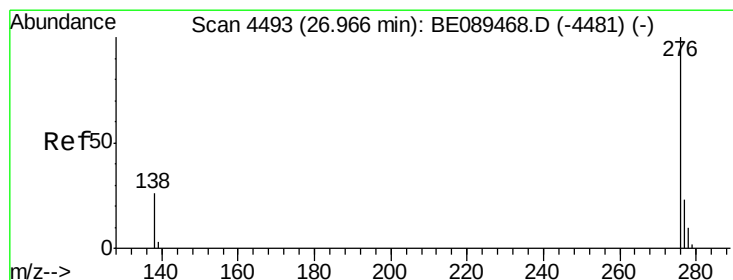
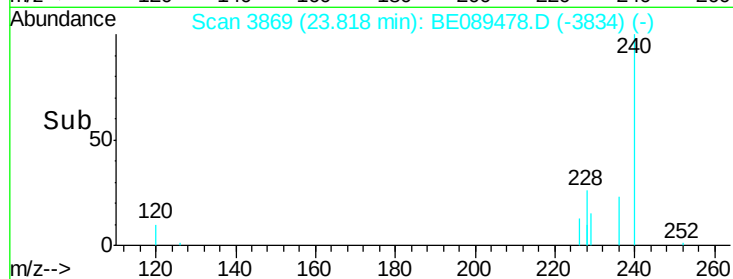
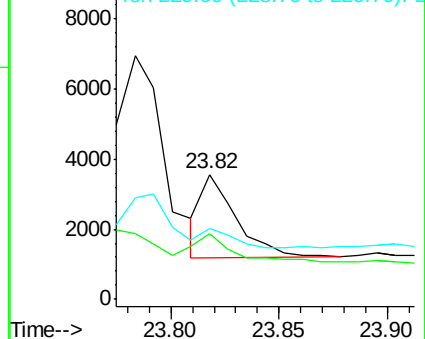
229 56.5 16.2 24.2#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 26.97 min Scan# 4493

Delta R.T. 0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

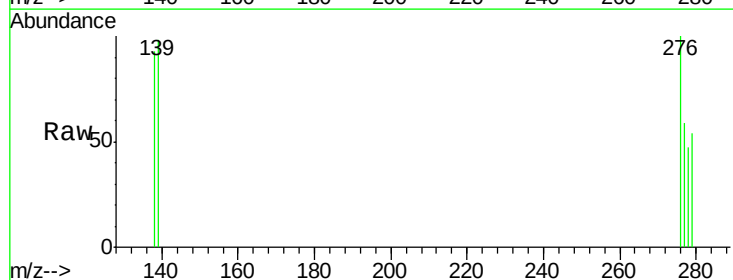
Tgt Ion:276 Resp: 572

Ion Ratio Lower Upper

276 100

138 37.4 24.2 36.4#

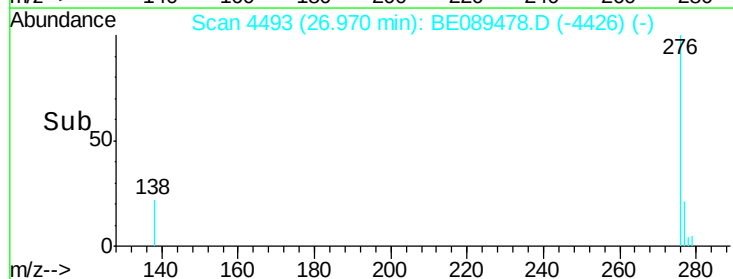
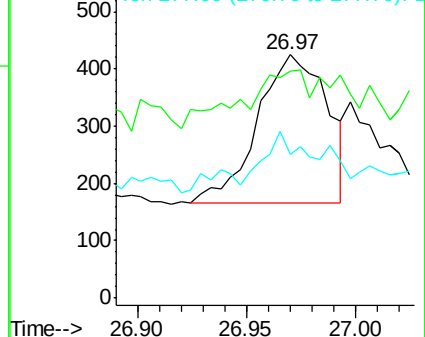
277 26.4 19.9 29.9

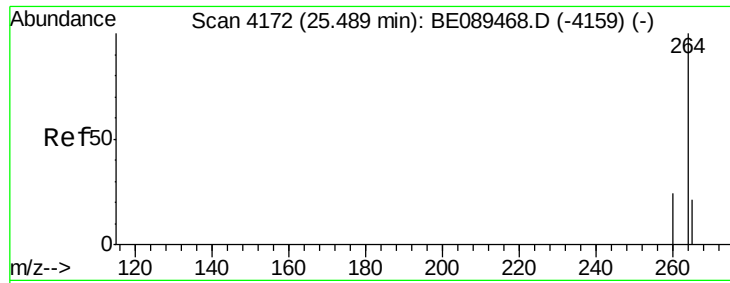


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

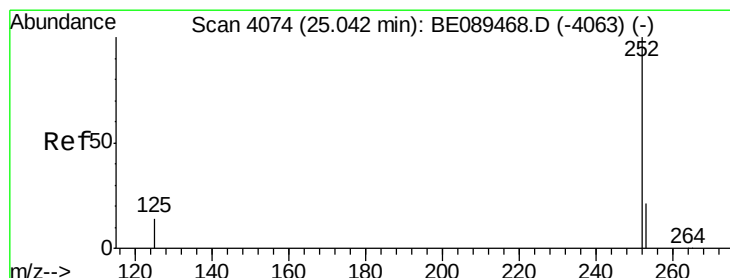
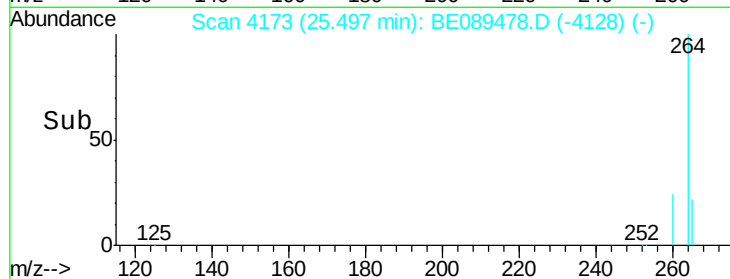
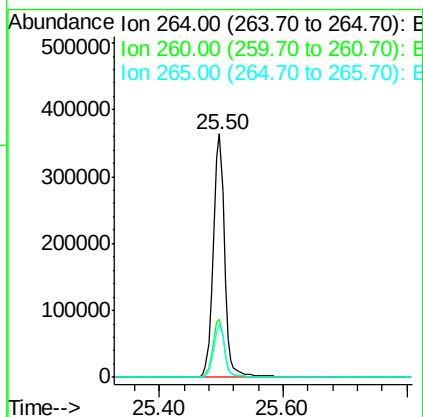
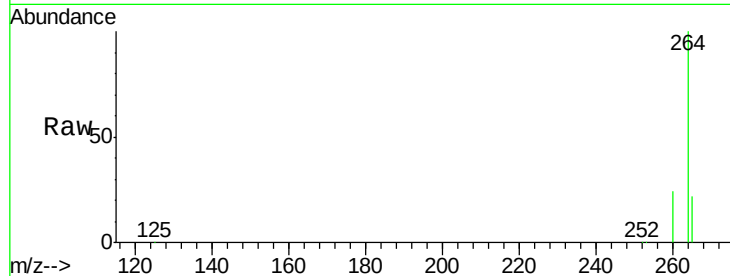




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.50 min Scan# 4173
 Delta R.T. 0.01 min
 Lab File: BE089478.D
 Acq: 4 Feb 2015 00:08

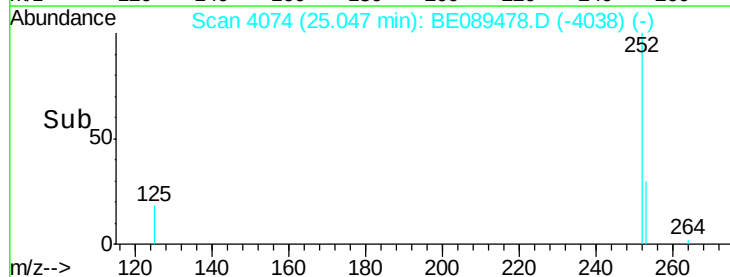
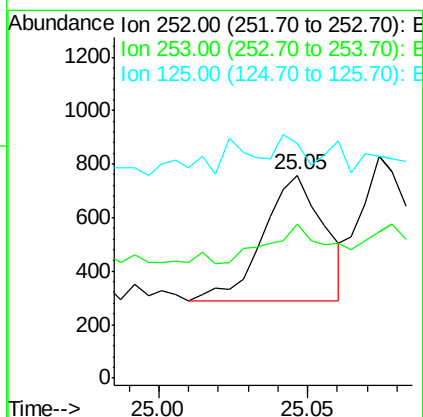
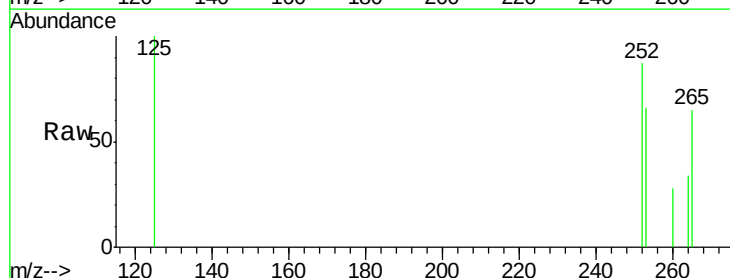
Instrument :
 BNA_E
 ClientSampleId :
 MW-48

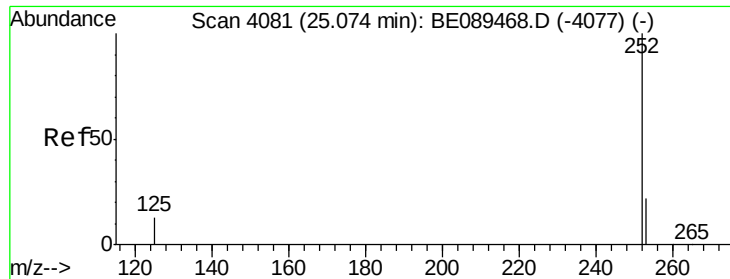
Tgt Ion: 264 Resp: 462480
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 21.7 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 0.19 ng
 RT: 25.05 min Scan# 4074
 Delta R.T. 0.00 min
 Lab File: BE089478.D
 Acq: 4 Feb 2015 00:08

Tgt Ion: 252 Resp: 671
 Ion Ratio Lower Upper
 252 100
 253 75.7 17.4 26.2#
 125 115.6 11.3 16.9#





#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.07 min Scan# 4080

Delta R.T. -0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48

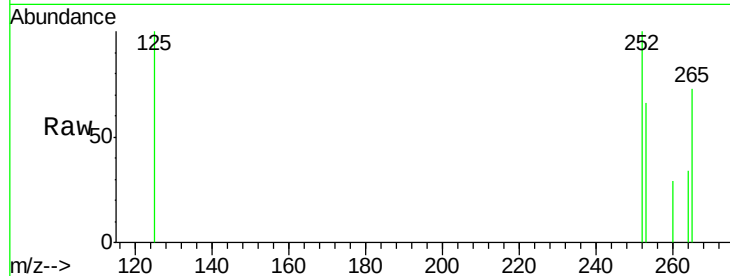
Tgt Ion:252 Resp: 833

Ion Ratio Lower Upper

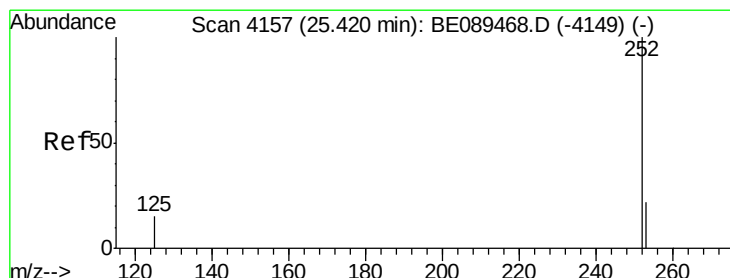
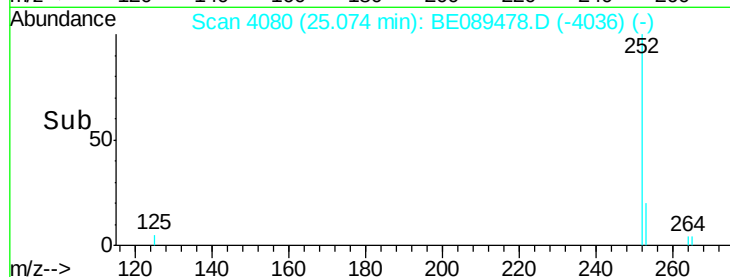
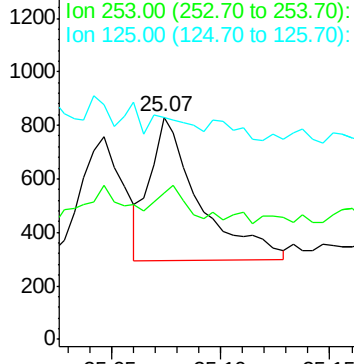
252 100

253 65.8 17.9 26.9#

125 100.1 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



#30

Benzo(a)pyrene

Concen: 0.18 ng

RT: 25.42 min Scan# 4156

Delta R.T. -0.00 min

Lab File: BE089478.D

Acq: 4 Feb 2015 00:08

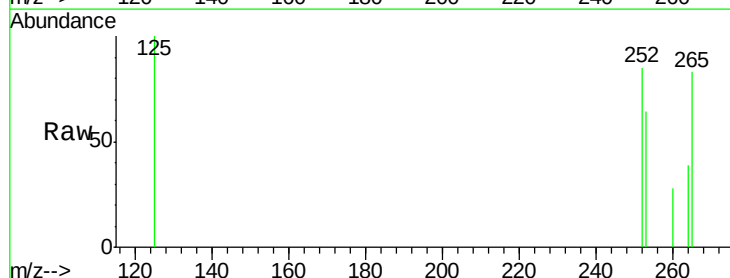
Tgt Ion:252 Resp: 674

Ion Ratio Lower Upper

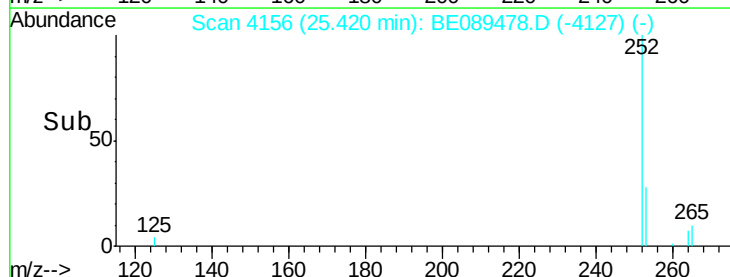
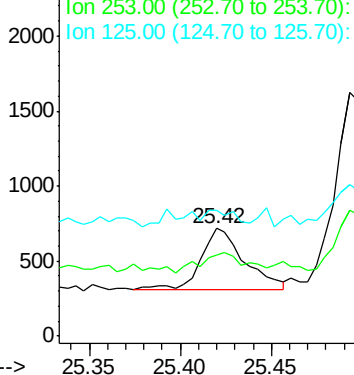
252 100

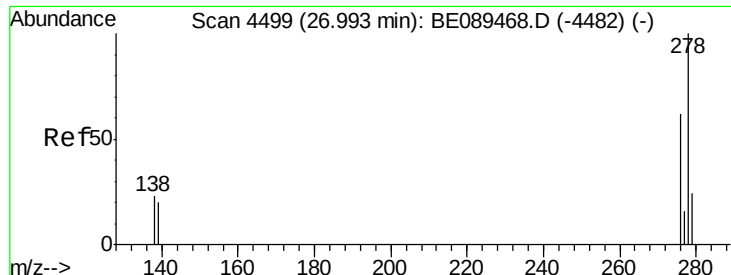
253 75.4 18.2 27.2#

125 117.5 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





#31

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.00 min

Lab File: BE089478.D

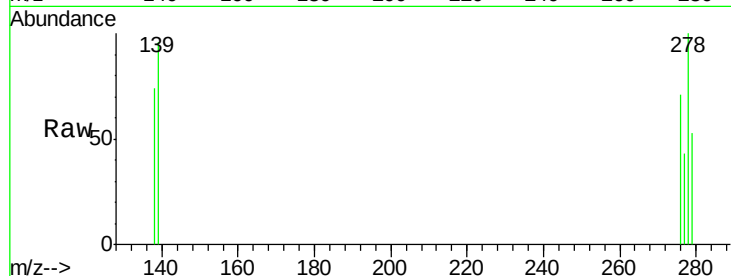
Acq: 4 Feb 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MW-48



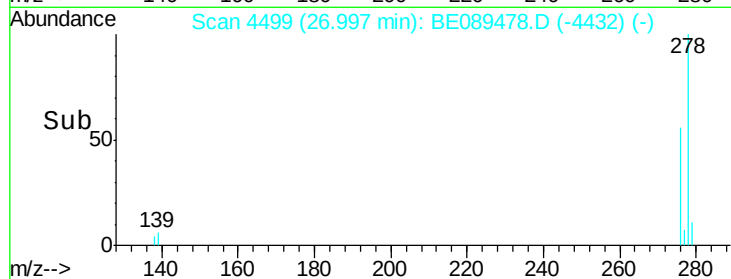
Tgt Ion: 278 Resp: 705

Ion Ratio Lower Upper

278 100

139 96.3 16.8 25.2#

279 53.4 19.4 29.0#



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

