

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012815\
 Data File : BE089405.D
 Acq On : 29 Jan 2015 1:44
 Operator : TP/IZ
 Sample : G1110-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-28

Quant Time: Jan 29 05:31:14 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 04:21:19 2015
 Response via : Initial Calibration

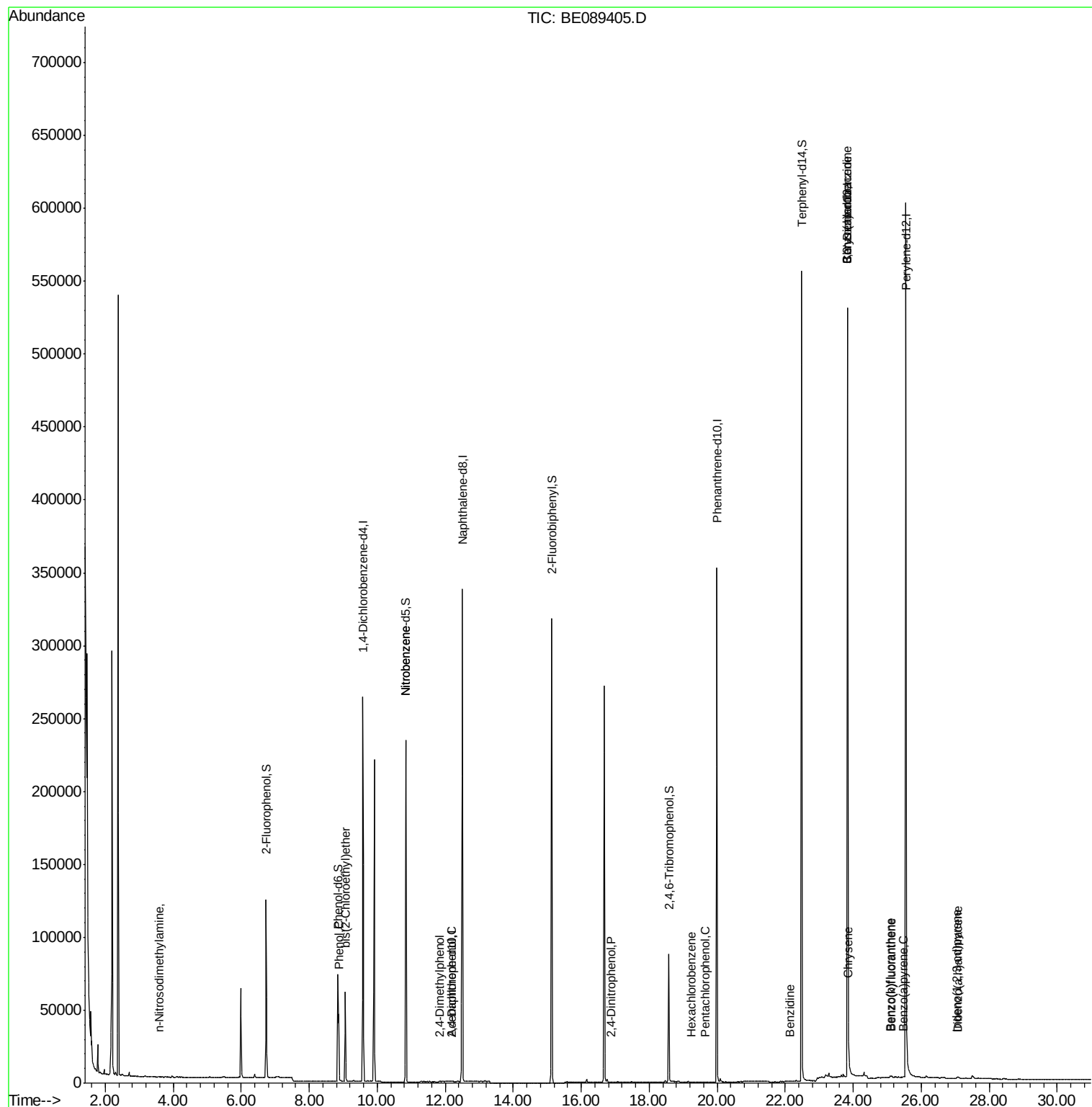
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	111481	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	376387	5.00	ng	0.00
13) Acenaphthene-d10	12.20	164	24	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	328170	5.00	ng	0.00
20) Chrysene-d12	23.84	240	474988	5.00	ng	0.00
27) Perylene-d12	25.55	264	572531	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	85381	2.45	ng	0.00
4) Phenol-d6	8.85	99	64698	1.51	ng	0.00
8) Nitrobenzene-d5	10.84	82	166742	6.29	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	49549	2448.58	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	291904	1150.91	ng	0.00
22) Terphenyl-d14	22.48	244	467794	8.89	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.59	42	23	0.00	ng	# 1
5) Phenol	8.87	94	24451	0.54	ng	# 53
6) bis(2-Chloroethyl)ether	9.06	93	252	0.01	ng	# 1
9) Nitrobenzene	10.85	77	517	0.02	ng	# 36
10) 2,4-Dimethylphenol	11.82	122	84	0.00	ng	# 70
11) 2,4-Dichlorophenol	12.21	162	42	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.87	184	5	4.00	ng	# 1
18) Hexachlorobenzene	19.23	284	55	0.00	ng	# 1
19) Pentachlorophenol	19.65	266	88	0.03	ng	# 75
21) Benzidine	22.15	184	59	0.00	ng	# 1
23) Benzo(a)anthracene	23.83	228	10944	0.02	ng	# 77
24) 3,3'-Dichlorobenzidine	23.84	252	401	0.01	ng	# 1
25) Chrysene	23.87	228	7291	0.01	ng	# 75
26) Indeno(1,2,3-cd)pyrene	27.06	276	2327	0.02	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	1207	0.02	ng	# 1
29) Benzo(k)fluoranthene	25.13	252	1290	0.01	ng	# 11
30) Benzo(a)pyrene	25.48	252	830	0.01	ng	# 1
31) Dibenzo(a,h)anthracene	27.08	278	1212	0.01	ng	# 14

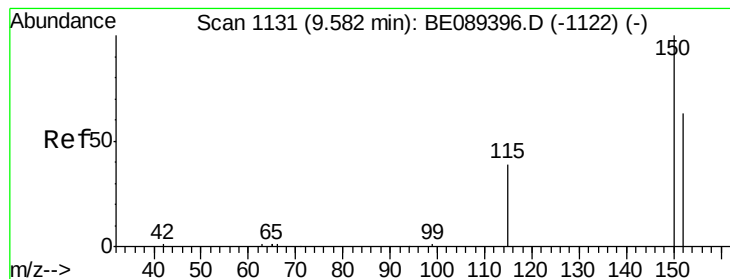
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

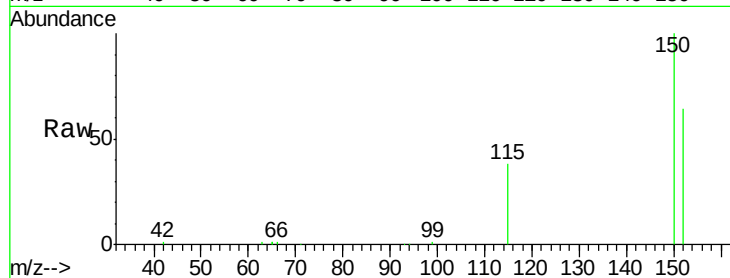
Tgt Ion:152 Resp: 111481

Ion Ratio Lower Upper

152 100

150 156.4 127.2 190.8

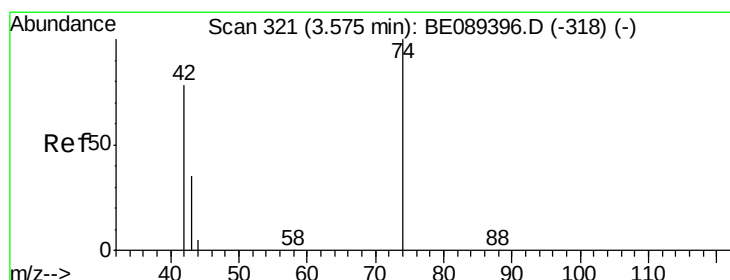
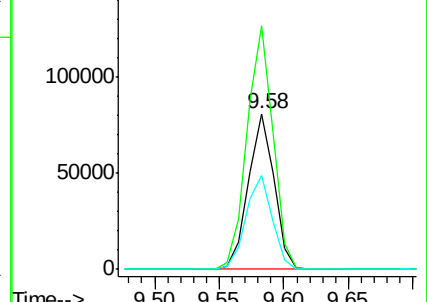
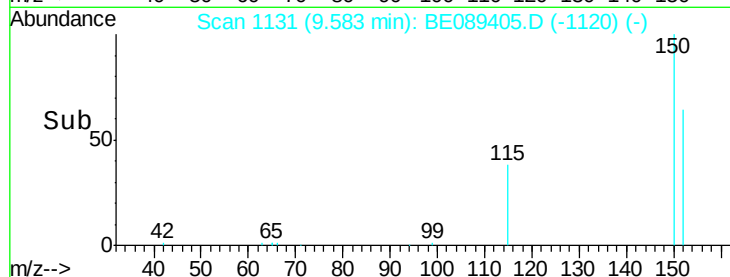
115 60.2 49.3 73.9



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: 0.00 ng

RT: 3.59 min Scan# 323

Delta R.T. 0.02 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

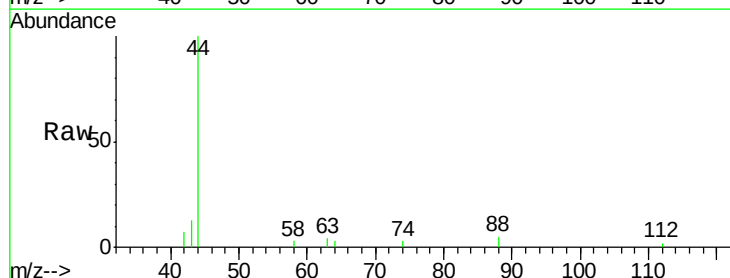
Tgt Ion: 42 Resp: 23

Ion Ratio Lower Upper

42 100

74 35.1 101.2 151.8#

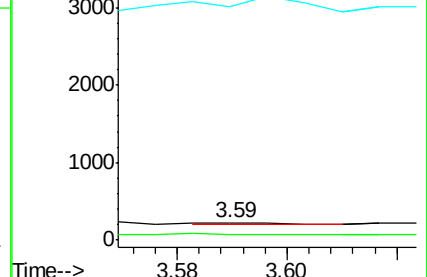
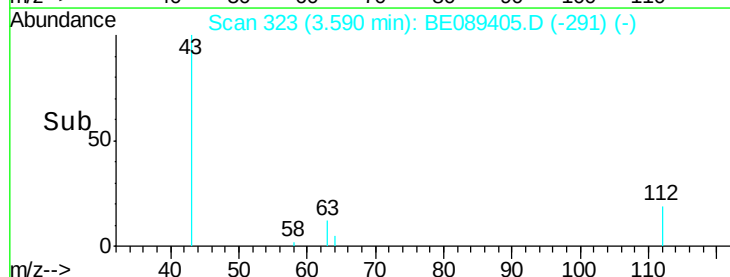
44 1359.0 26.4 39.6#

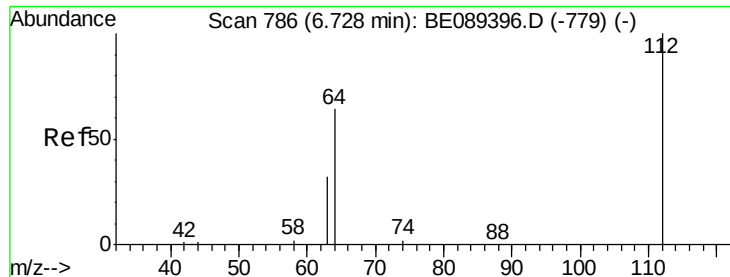


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

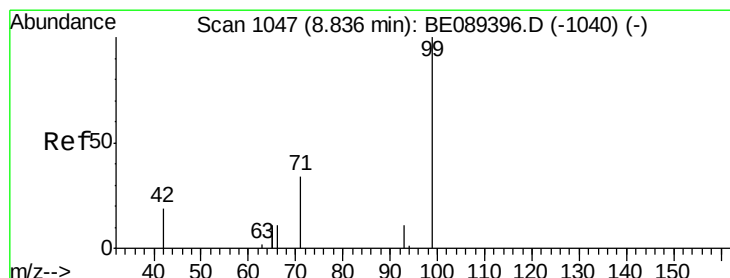
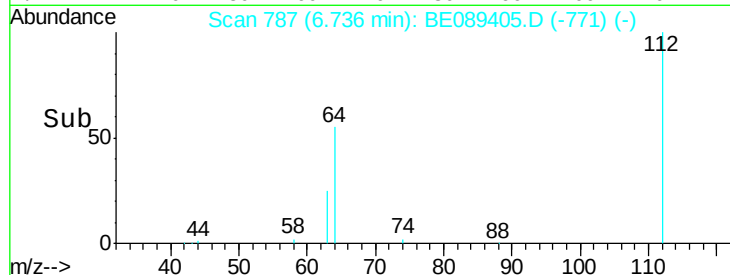
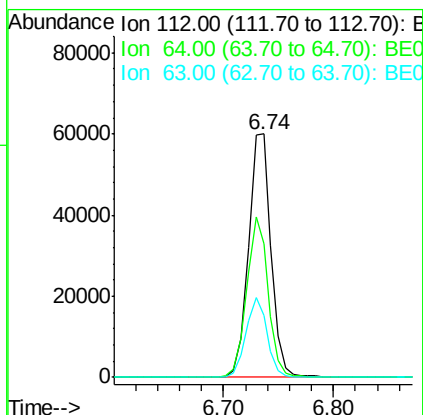
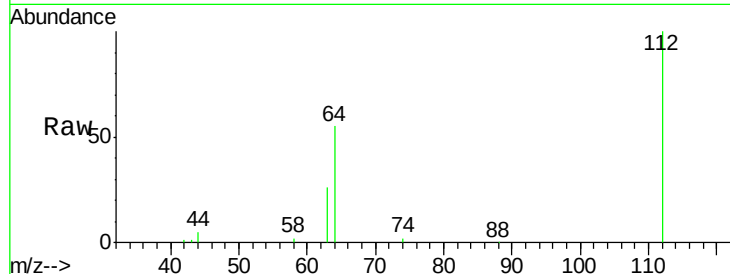




#3
2-Fluorophenol
Concen: 2.45 ng
RT: 6.74 min Scan# 787
Delta R.T. 0.01 min
Lab File: BE089405.D
Acq: 29 Jan 2015 1:44

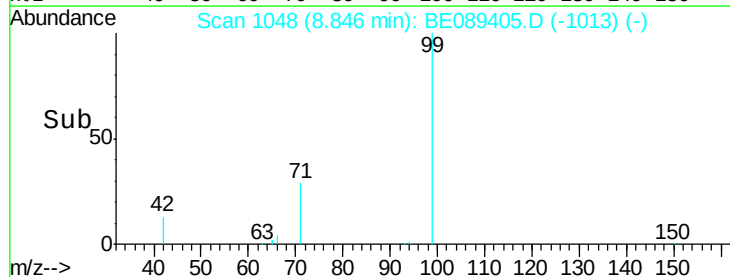
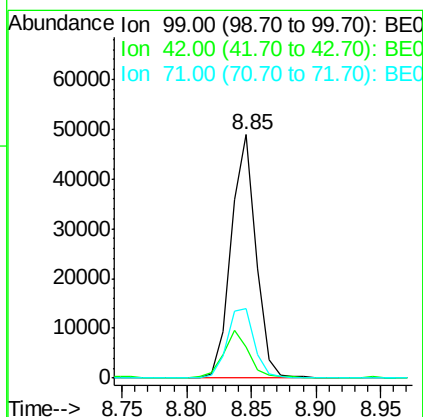
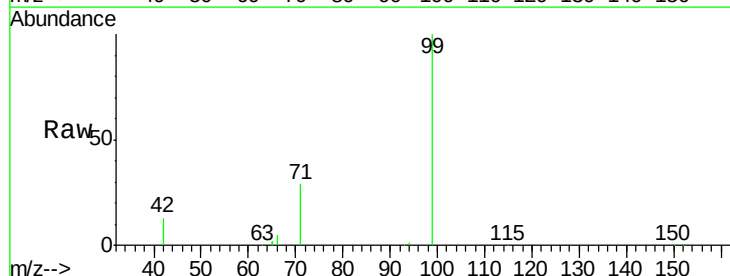
Instrument :
BNA_E
ClientSampleId :
MW-28

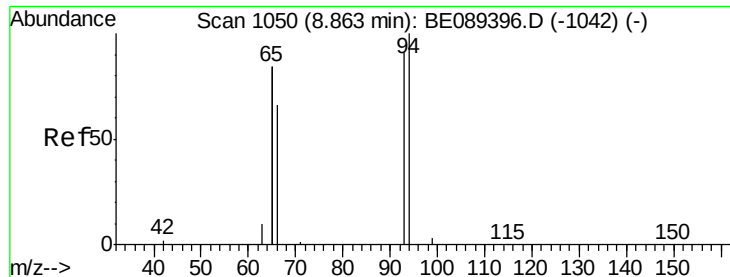
Tgt Ion: 112 Resp: 85381
Ion Ratio Lower Upper
112 100
64 54.7 51.7 77.5
63 25.6 25.7 38.5#



#4
Phenol-d6
Concen: 1.51 ng
RT: 8.85 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BE089405.D
Acq: 29 Jan 2015 1:44

Tgt Ion: 99 Resp: 64698
Ion Ratio Lower Upper
99 100
42 13.0 15.3 22.9#
71 28.7 27.0 40.6





#5

Phenol

Concen: 0.54 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampled :

MW-28

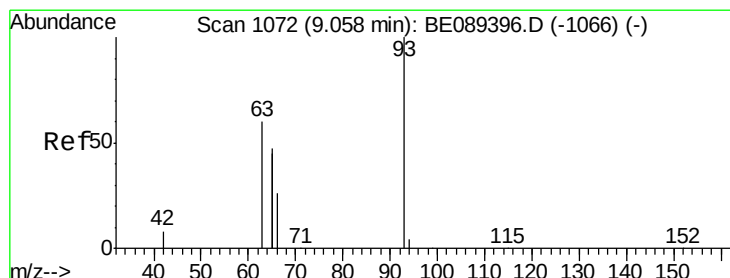
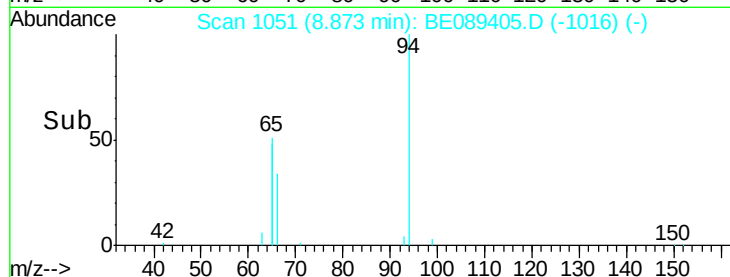
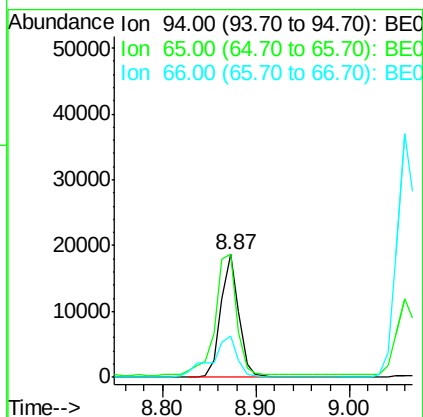
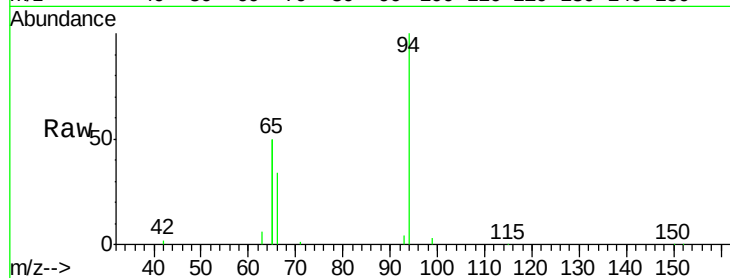
Tgt Ion: 94 Resp: 24451

Ion Ratio Lower Upper

94 100

65 100.7 148.6 188.6#

66 34.2 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

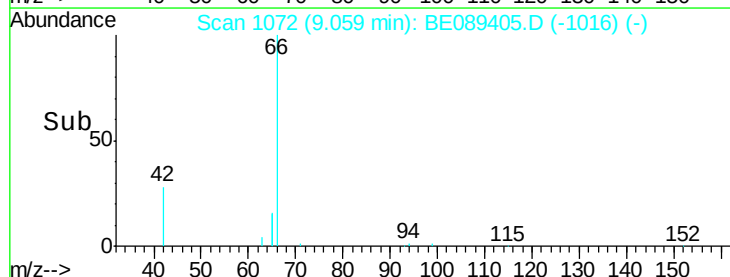
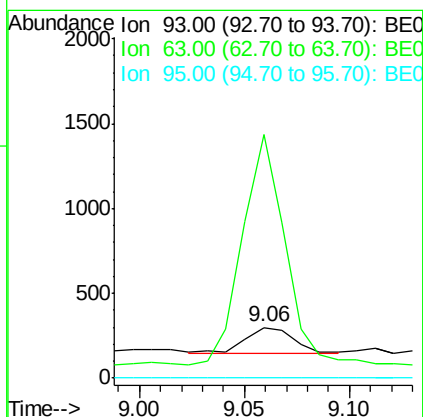
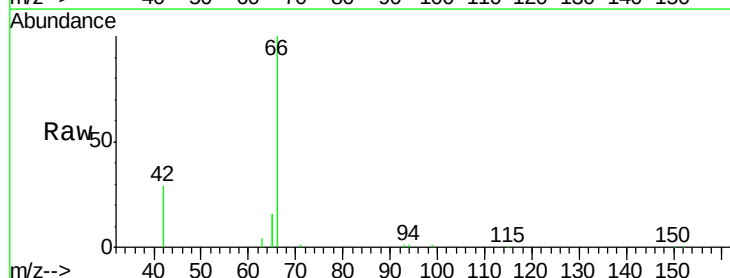
Tgt Ion: 93 Resp: 252

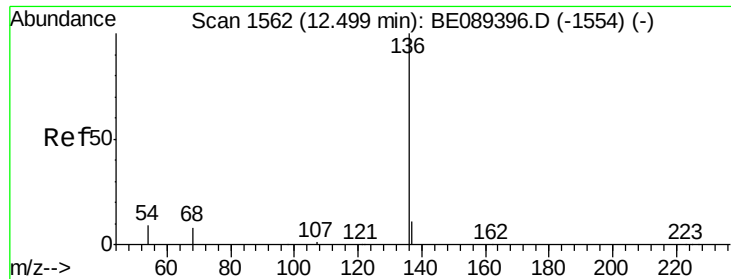
Ion Ratio Lower Upper

93 100

63 760.7 58.9 88.3#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

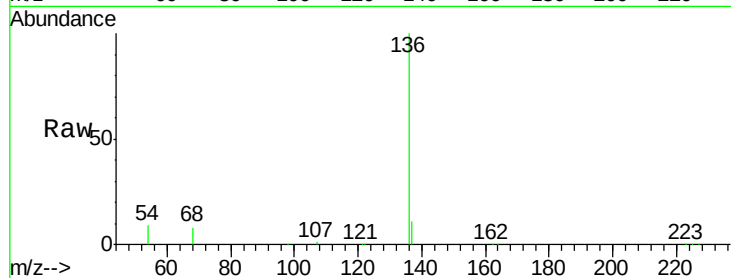
Tgt Ion: 136 Resp: 376387

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

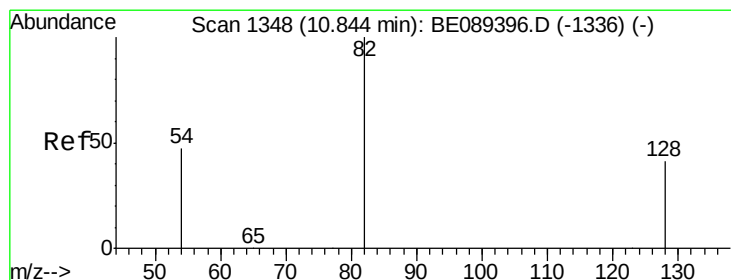
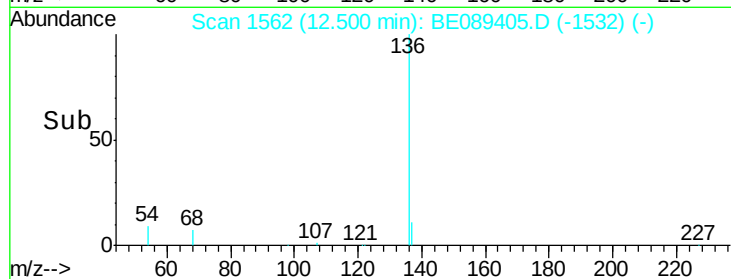
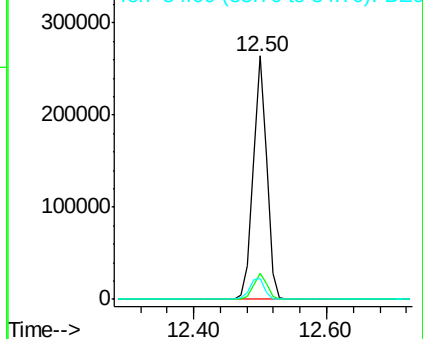
54 8.8 7.4 11.0



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: 6.29 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

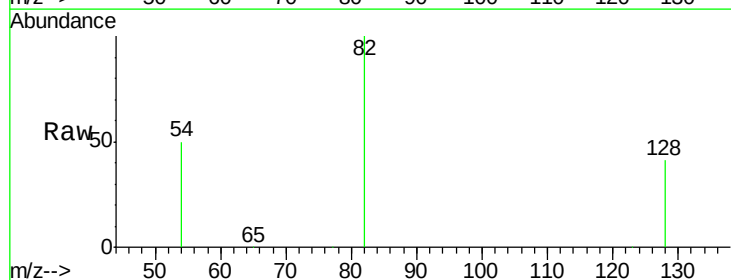
Tgt Ion: 82 Resp: 166742

Ion Ratio Lower Upper

82 100

128 40.7 33.6 50.4

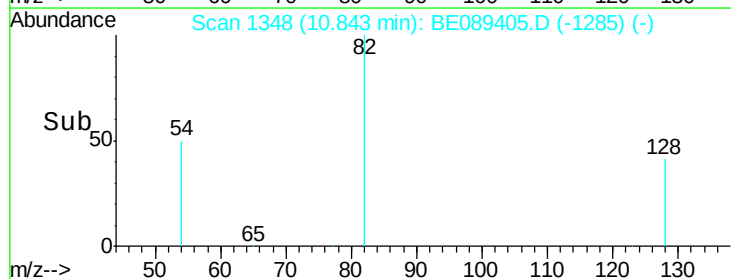
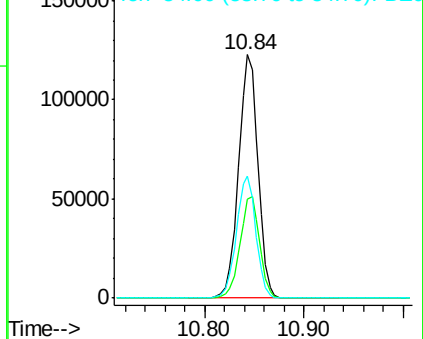
54 50.1 37.7 56.5

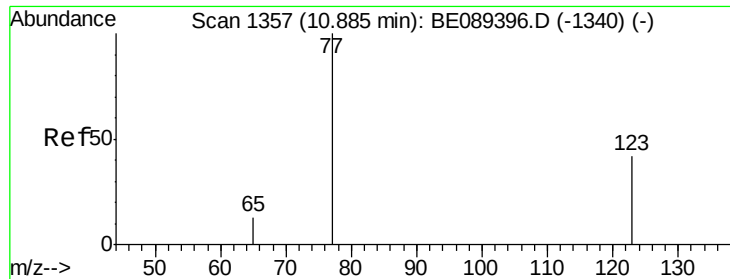


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.02 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.04 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampled :

MW-28

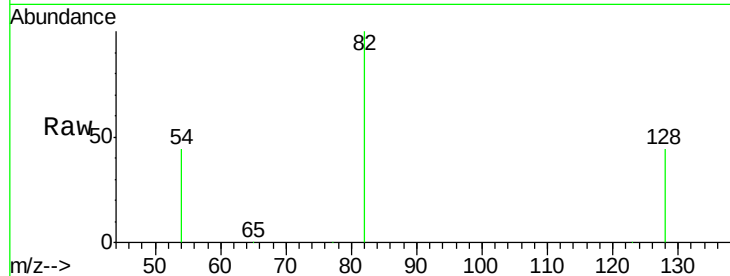
Tgt Ion: 77 Resp: 517

Ion Ratio Lower Upper

77 100

123 0.0 34.7 52.1#

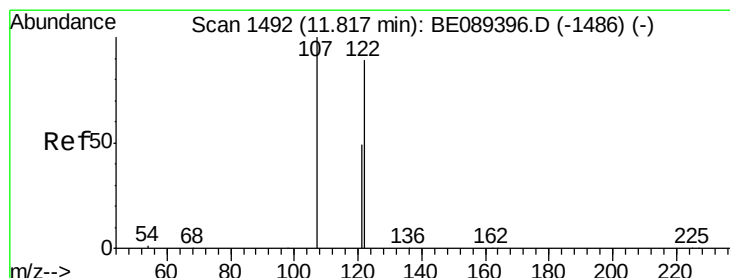
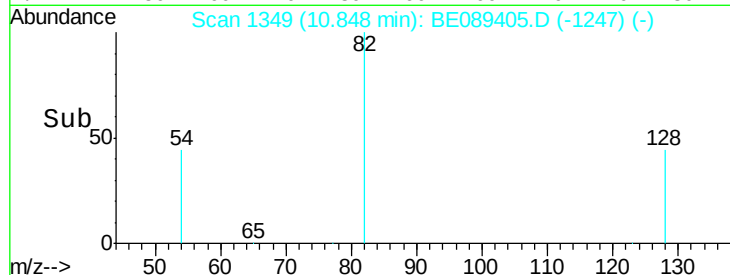
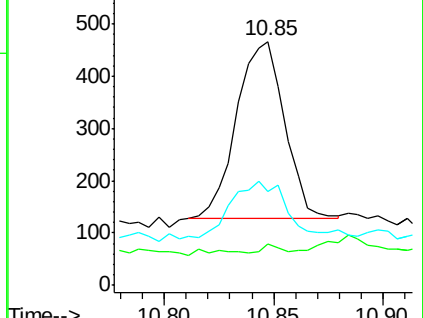
65 34.6 10.6 15.8#



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: 0.00 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

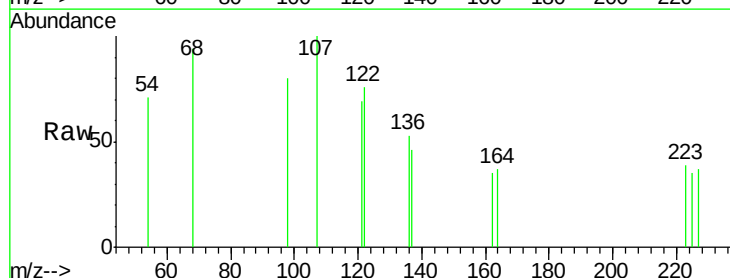
Tgt Ion: 122 Resp: 84

Ion Ratio Lower Upper

122 100

107 132.4 89.4 134.2

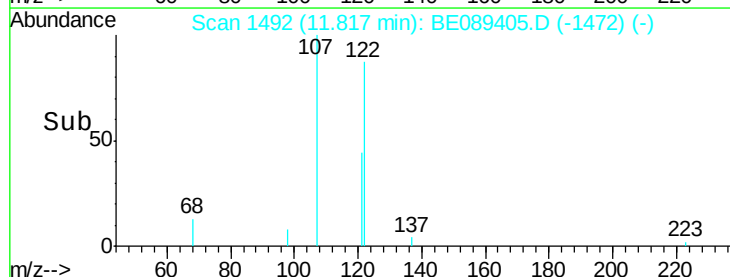
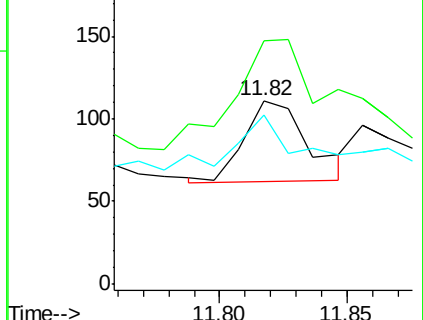
121 91.9 43.6 65.4#

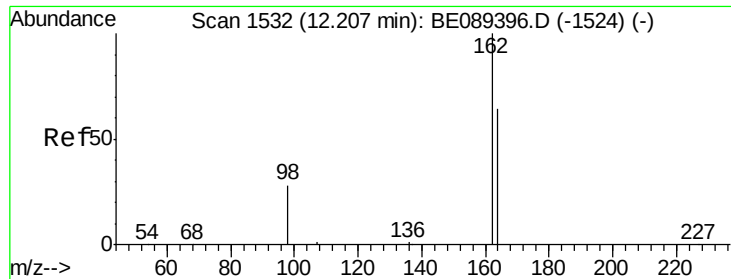


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

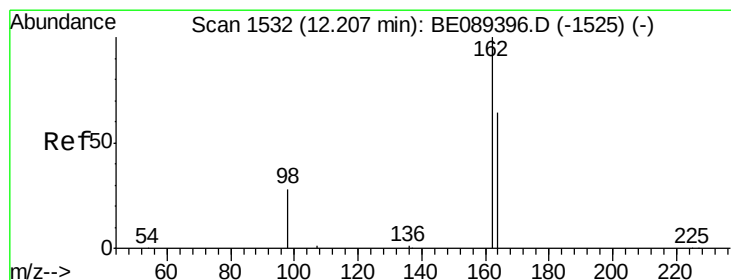
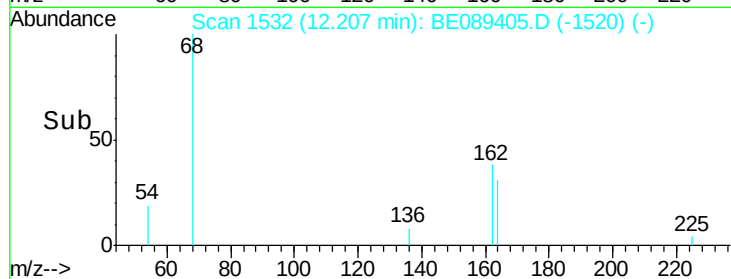
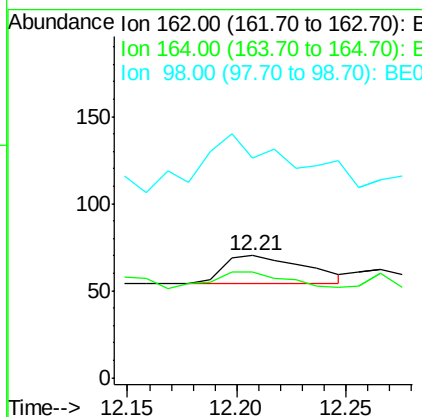
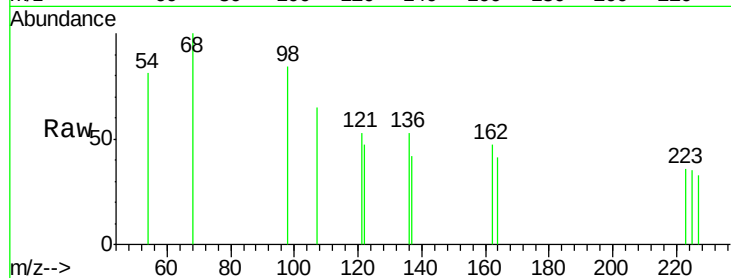




#11
 2,4-Dichlorophenol
 Concen: 0.00 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BE089405.D
 Acq: 29 Jan 2015 1:44

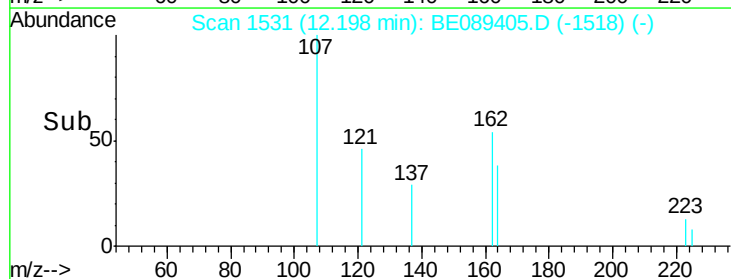
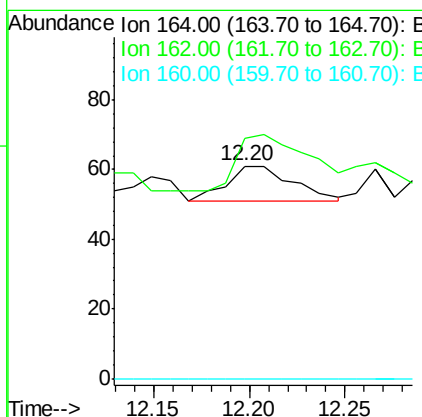
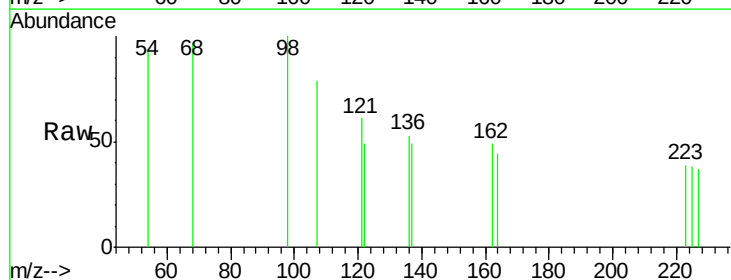
Instrument :
 BNA_E
 ClientSampled :
 MW-28

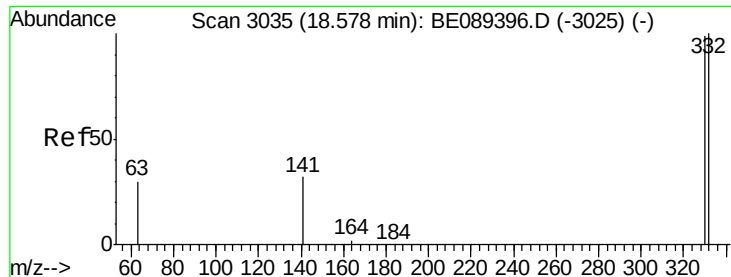
Tgt Ion:162 Resp: 42
 Ion Ratio Lower Upper
 162 100
 164 87.1 44.6 84.6#
 98 180.0 8.7 48.7#



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 12.20 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BE089405.D
 Acq: 29 Jan 2015 1:44

Tgt Ion:164 Resp: 24
 Ion Ratio Lower Upper
 164 100
 162 113.1 123.9 185.9#
 160 0.0 0.0 0.0

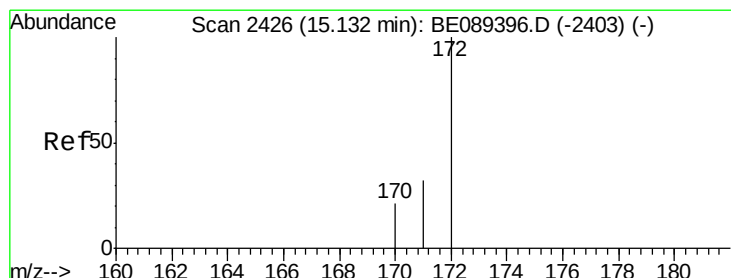
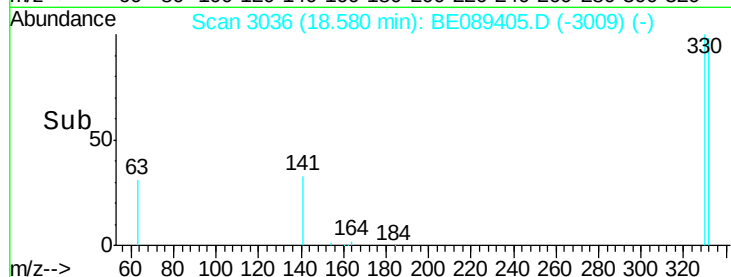
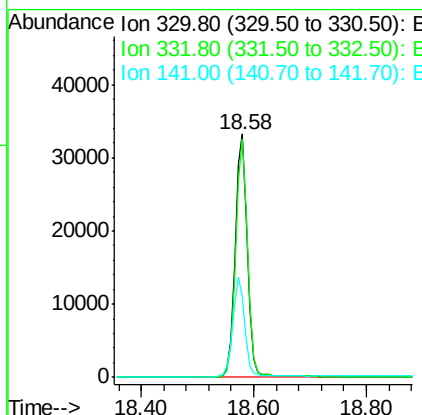
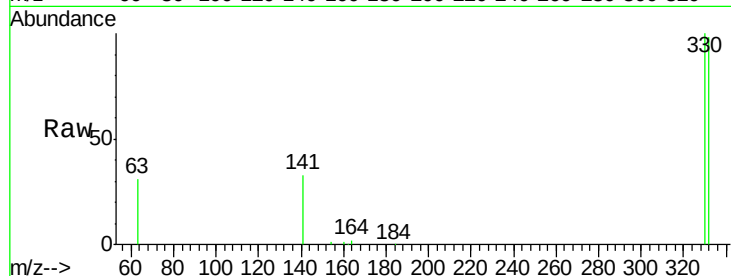




#14
 2,4,6-Tribromophenol
 Concen: 2448.58 ng
 RT: 18.58 min Scan# 3036
 Delta R.T. 0.00 min
 Lab File: BE089405.D
 Acq: 29 Jan 2015 1:44

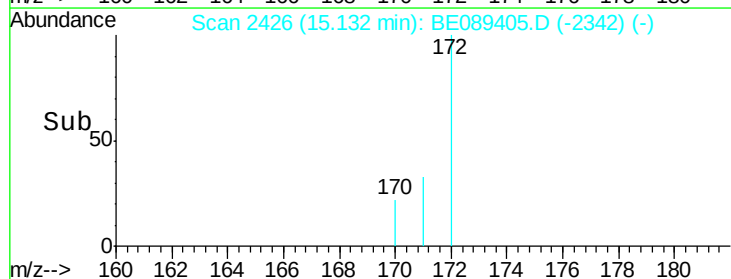
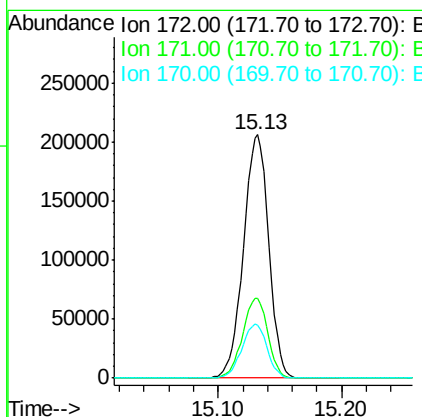
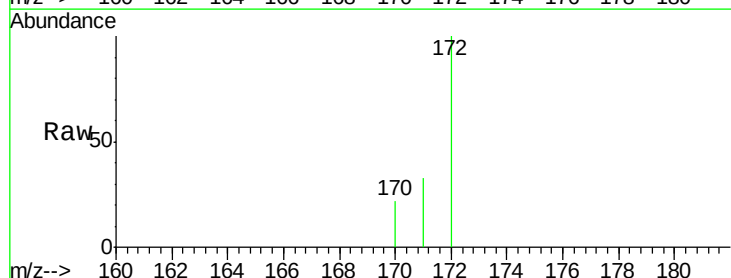
Instrument :
 BNA_E
 ClientSampleId :
 MW-28

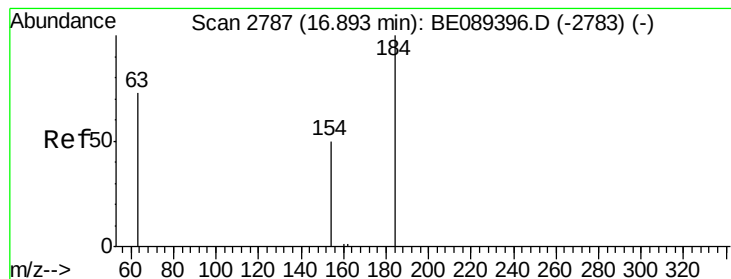
Tgt Ion:330 Resp: 49549
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.5 116.3
 141 39.5 32.4 48.6



#15
 2-Fluorobiphenyl
 Concen: 1150.91 ng
 RT: 15.13 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BE089405.D
 Acq: 29 Jan 2015 1:44

Tgt Ion:172 Resp: 291904
 Ion Ratio Lower Upper
 172 100
 171 32.6 25.6 38.4
 170 21.8 17.0 25.4





#16

2,4-Dinitrophenol

Concen: 4.00 ng

RT: 16.87 min Scan# 2785

Delta R.T. -0.02 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

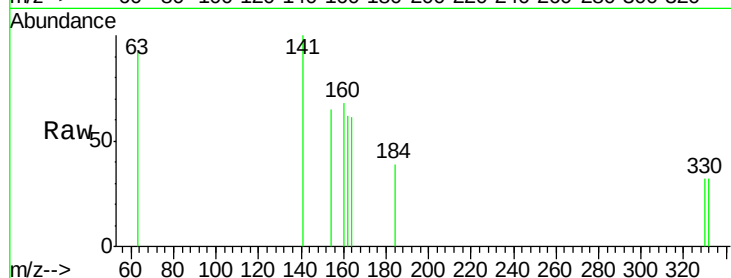
Instrument :

BNA_E

ClientSampled :

MW-28

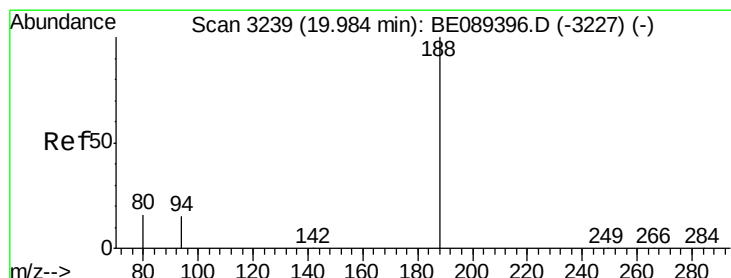
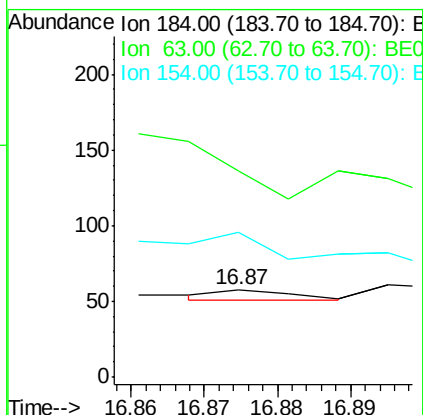
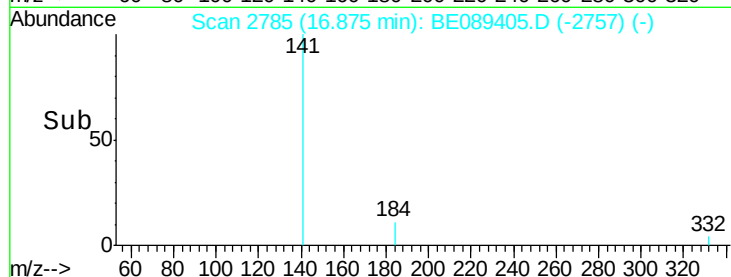
Tgt Ion:	184	Resp:	5
Ion	Ratio	Lower	Upper
184	100		
63	234.5	66.9	100.3#
154	165.5	45.1	67.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 154.00 (153.70 to 154.70): E



#17

Phenanthrene-d10

Concen: 5.00 ng

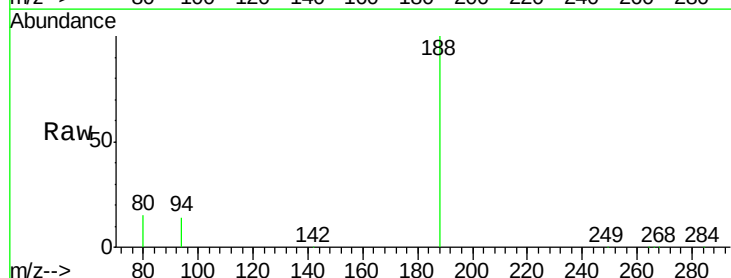
RT: 19.99 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

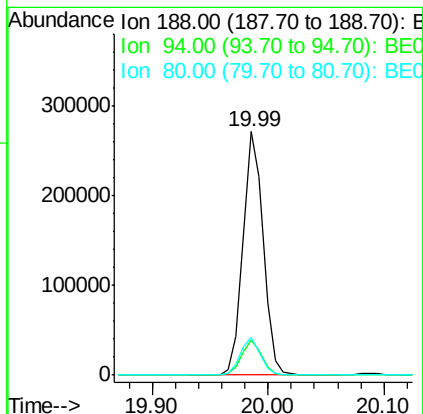
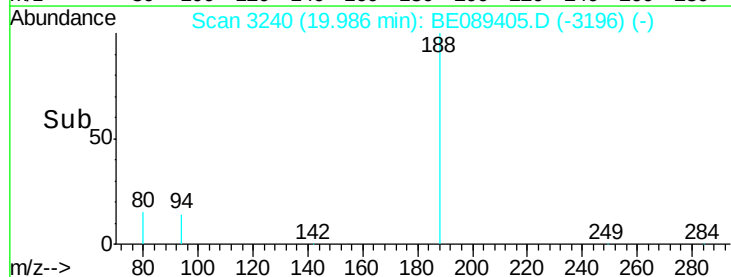
Tgt Ion:	188	Resp:	328170
Ion	Ratio	Lower	Upper
188	100		
94	14.4	12.0	18.0
80	15.4	13.2	19.8

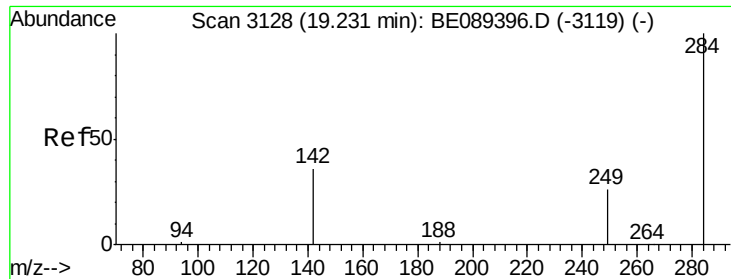


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#18

Hexachlorobenzene

Concen: 0.00 ng

RT: 19.23 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

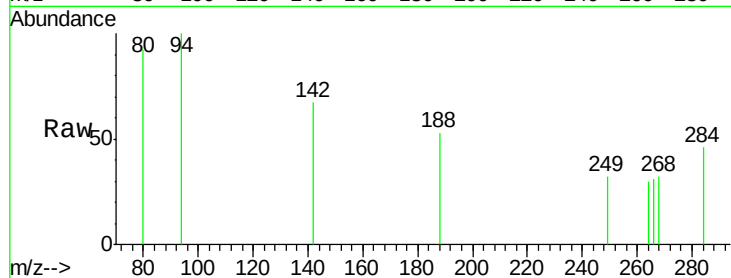
Tgt Ion: 284 Resp: 55

Ion Ratio Lower Upper

284 100

142 145.6 30.7 46.1#

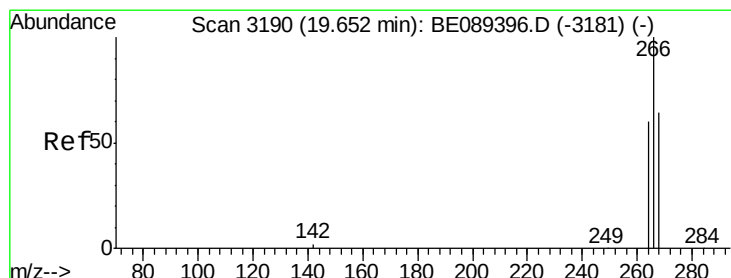
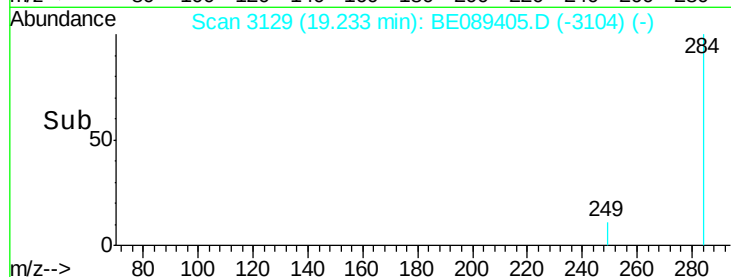
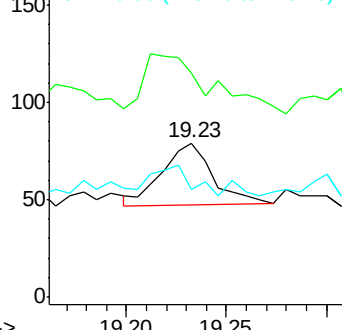
249 69.6 23.4 35.2#



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#19

Pentachlorophenol

Concen: 0.03 ng

RT: 19.65 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

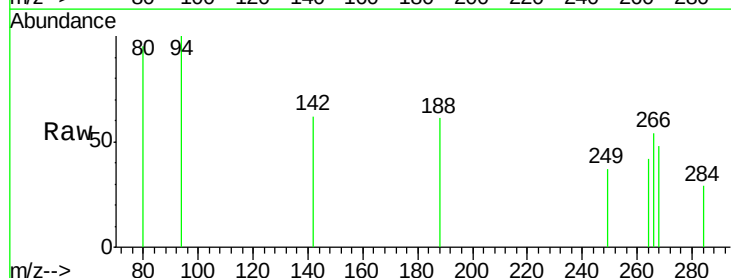
Tgt Ion: 266 Resp: 88

Ion Ratio Lower Upper

266 100

268 88.3 52.5 78.7#

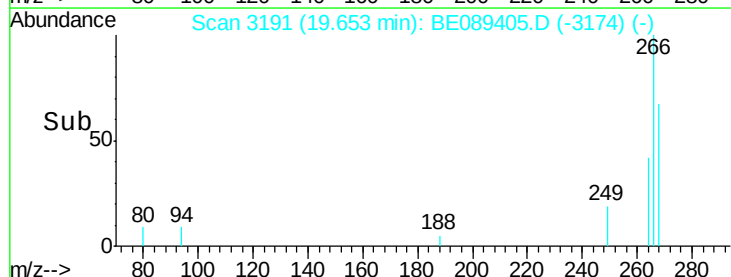
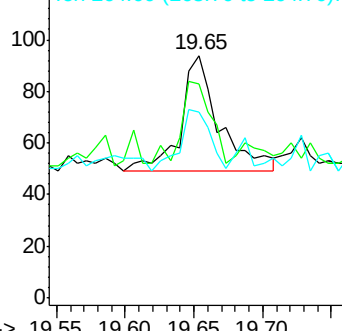
264 76.6 48.8 73.2#

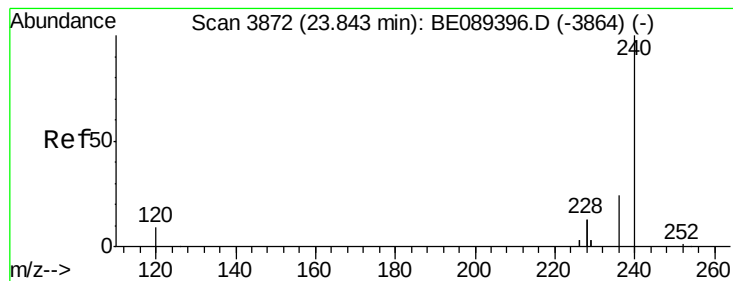


Abundance Ion 265.70 (265.40 to 266.40): E

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: 23.84 min Scan# 3874

Delta R.T. -0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

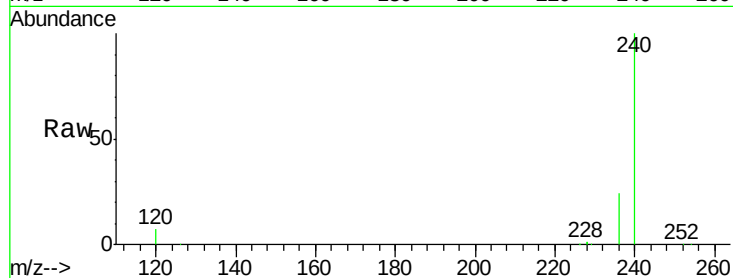
Tgt Ion:240 Resp: 474988

Ion Ratio Lower Upper

240 100

120 7.0 7.1 10.7#

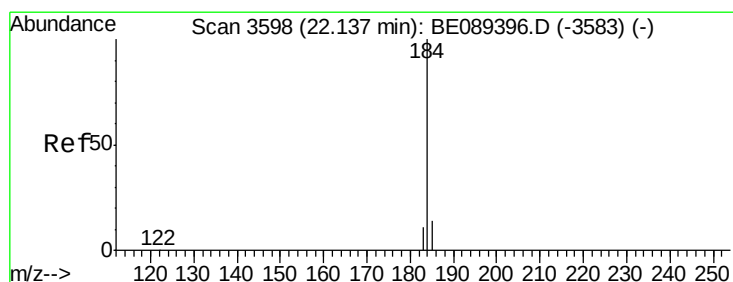
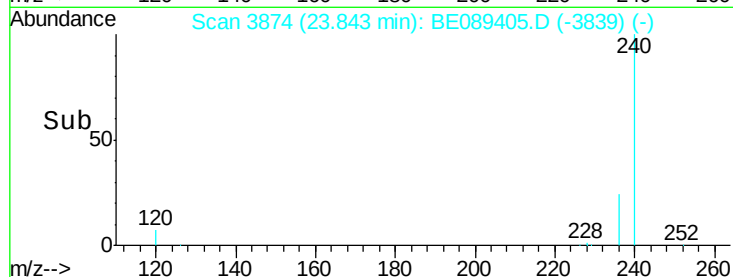
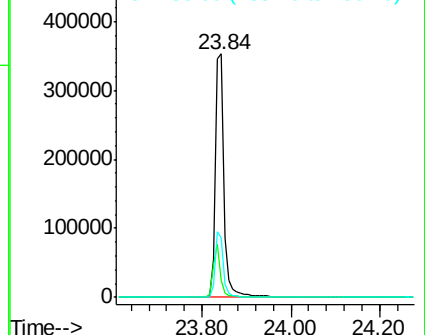
236 24.1 19.5 29.3



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: 0.00 ng

RT: 22.15 min Scan# 3602

Delta R.T. 0.01 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

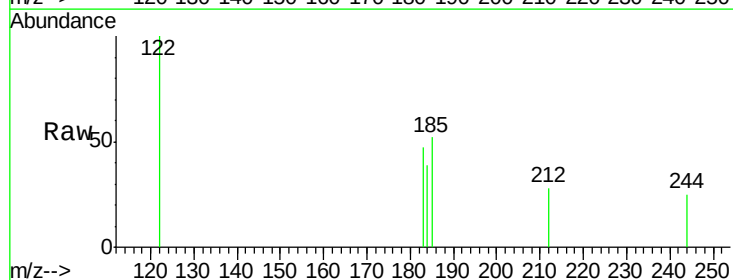
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

185 132.7 11.4 17.0#

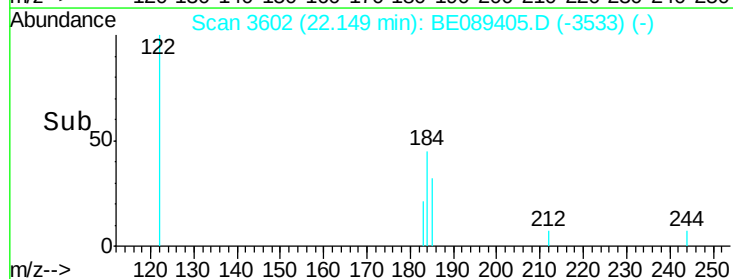
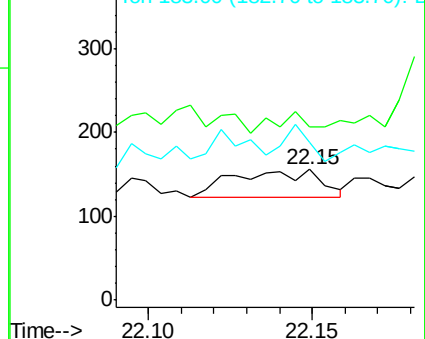
183 120.5 8.7 13.1#

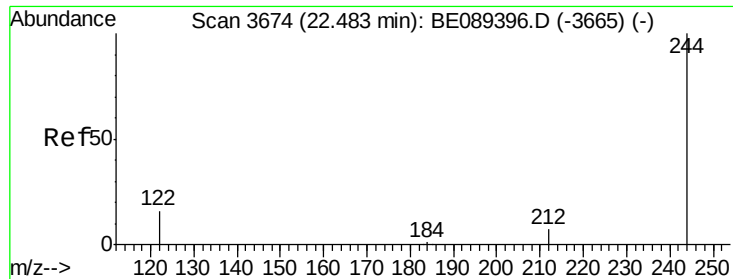


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#22

Terphenyl-d14

Concen: 8.89 ng

RT: 22.48 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

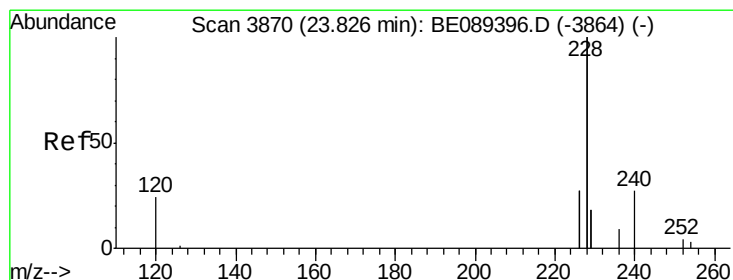
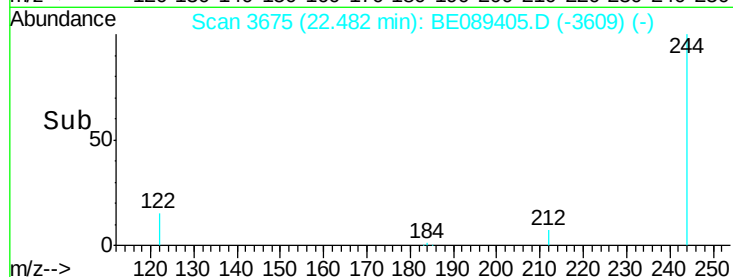
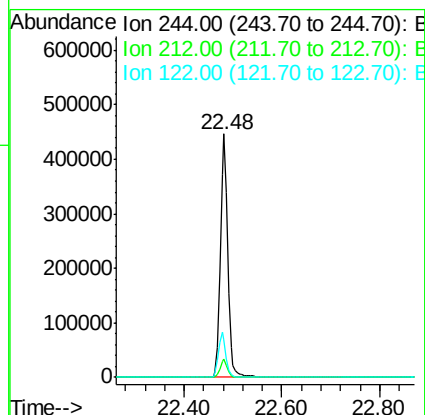
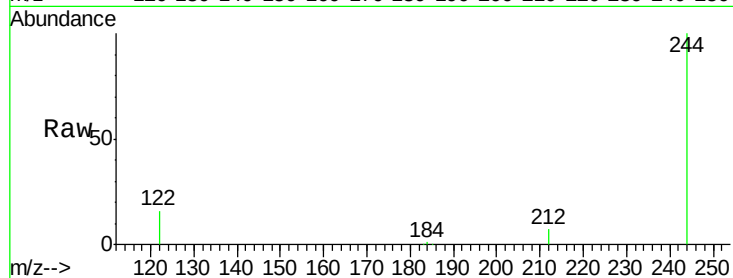
Tgt Ion:244 Resp: 467794

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 15.5 12.8 19.2



#23

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.83 min Scan# 3873

Delta R.T. 0.01 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

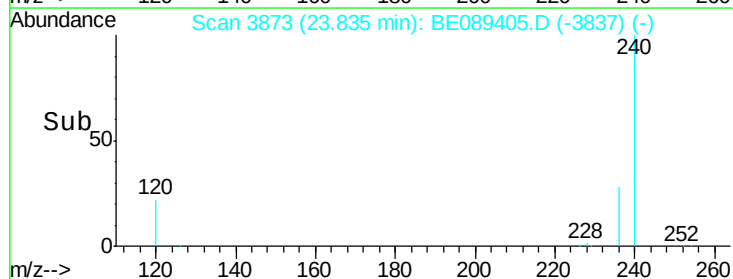
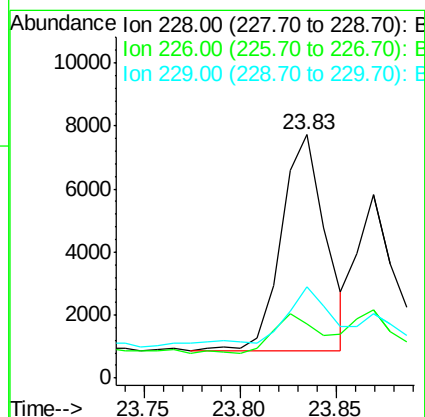
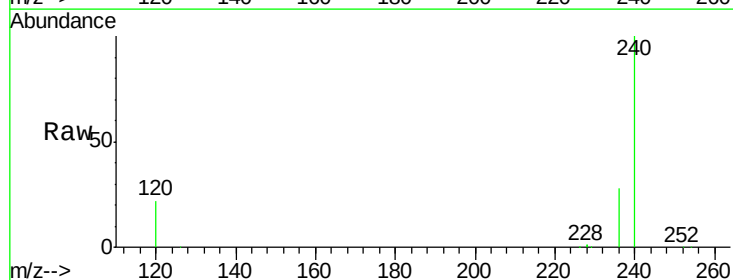
Tgt Ion:228 Resp: 10944

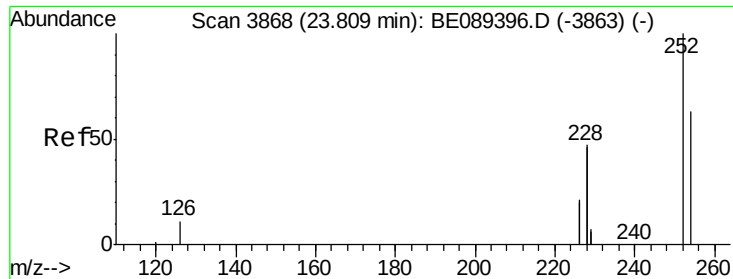
Ion Ratio Lower Upper

228 100

226 22.4 21.8 32.6

229 37.5 14.5 21.7#

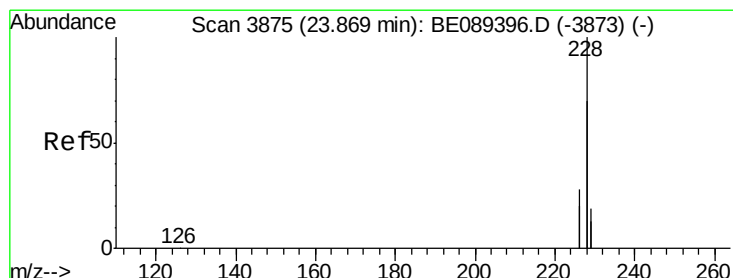
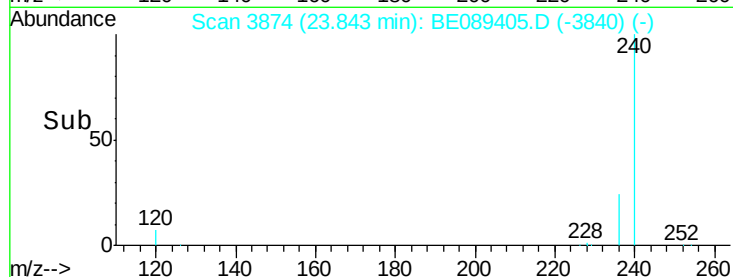
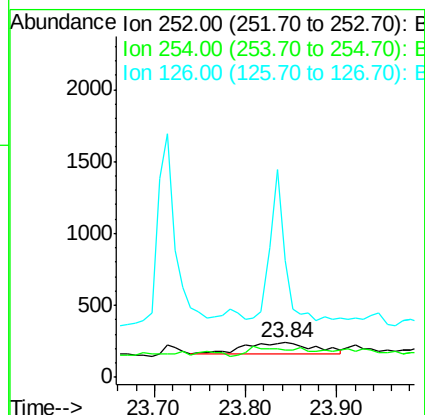
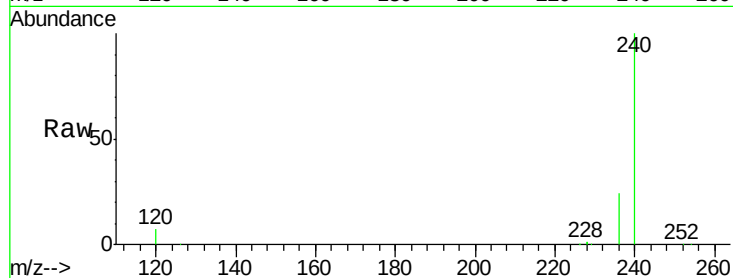




#24
 3,3'-Dichlorobenzidine
 Concen: 0.01 ng
 RT: 23.84 min Scan# 3874
 Delta R.T. 0.03 min
 Lab File: BE089405.D
 Acq: 29 Jan 2015 1:44

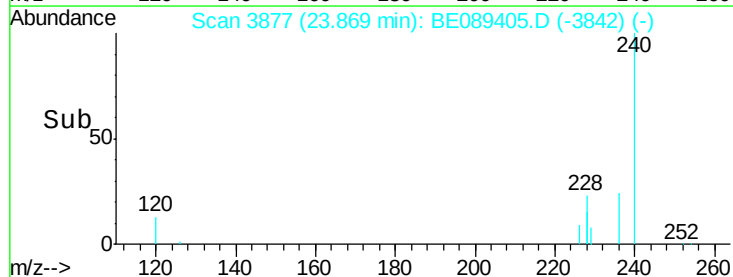
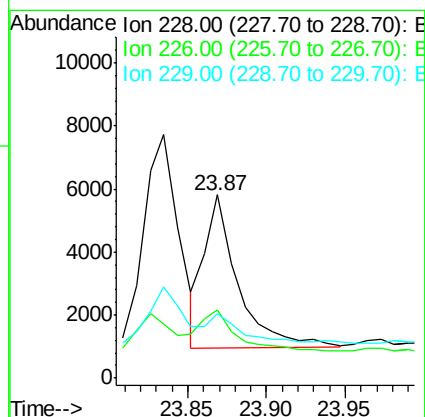
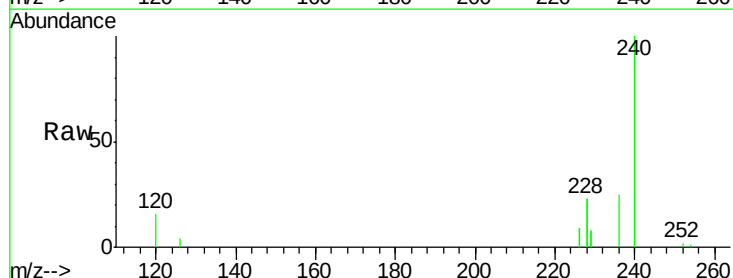
Instrument :
 BNA_E
 ClientSampleId :
 MW-28

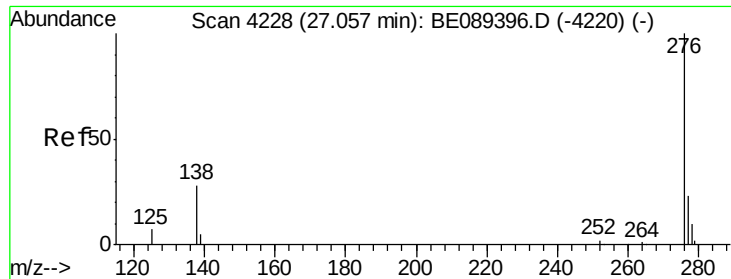
Tgt Ion: 252 Resp: 401
 Ion Ratio Lower Upper
 252 100
 254 77.2 50.2 75.4#
 126 336.1 9.8 14.6#



#25
 Chrysene
 Concen: 0.01 ng
 RT: 23.87 min Scan# 3877
 Delta R.T. -0.00 min
 Lab File: BE089405.D
 Acq: 29 Jan 2015 1:44

Tgt Ion: 228 Resp: 7291
 Ion Ratio Lower Upper
 228 100
 226 37.4 22.7 34.1#
 229 35.4 15.2 22.8#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 27.06 min Scan# 4230

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

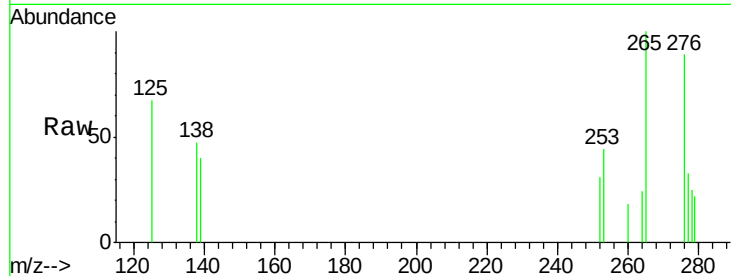
Tgt Ion: 276 Resp: 2327

Ion Ratio Lower Upper

276 100

138 22.6 0.0 0.0#

277 18.2 0.0 0.0#

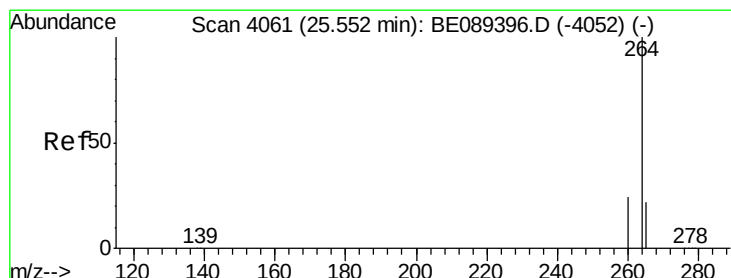
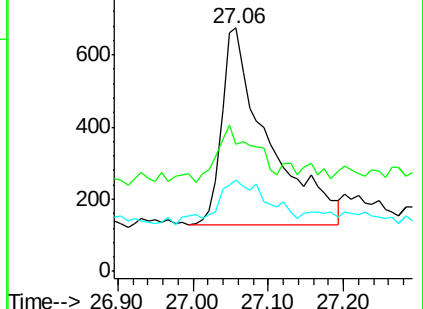
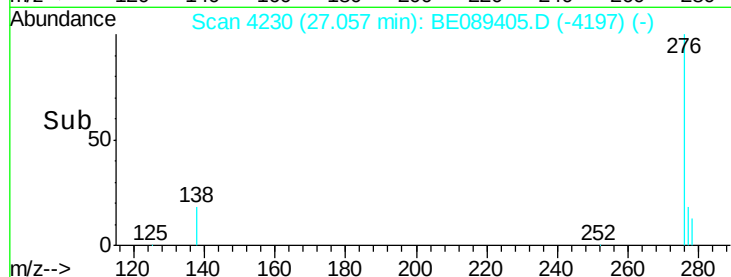


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time--> 26.90 27.00 27.10 27.20



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4063

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

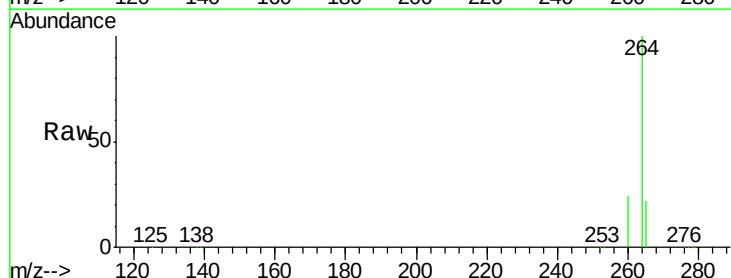
Tgt Ion: 264 Resp: 572531

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.9 17.5 26.3

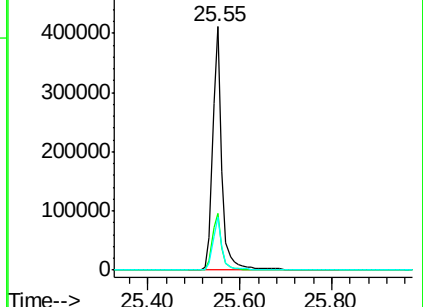
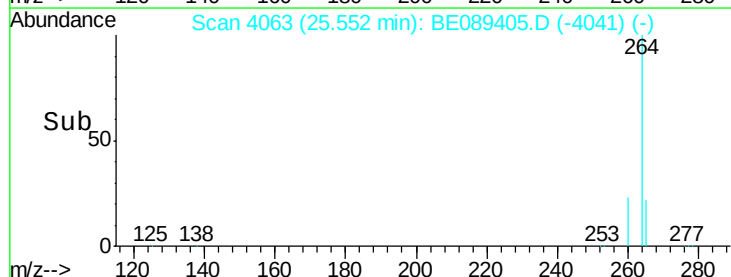


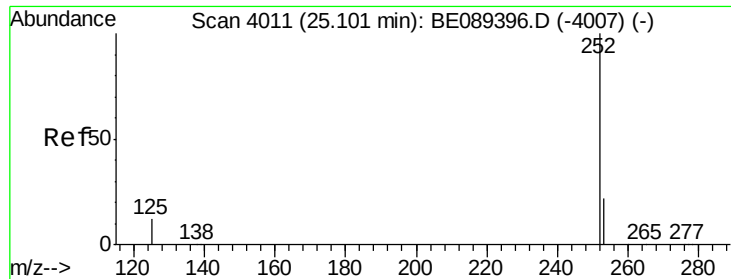
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time--> 25.40 25.60 25.80





#28

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 25.09 min Scan# 4012

Delta R.T. -0.01 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

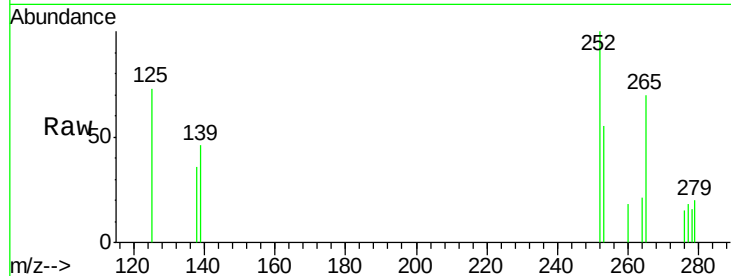
Tgt Ion:252 Resp: 1207

Ion Ratio Lower Upper

252 100

253 54.7 17.6 26.4#

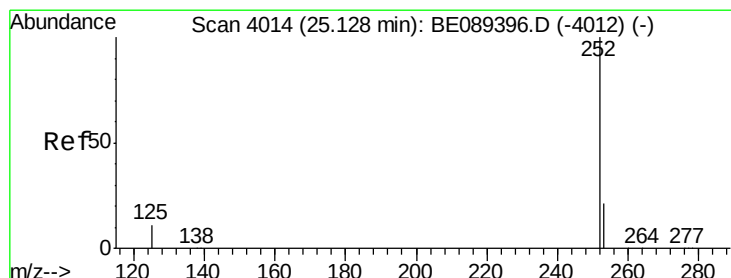
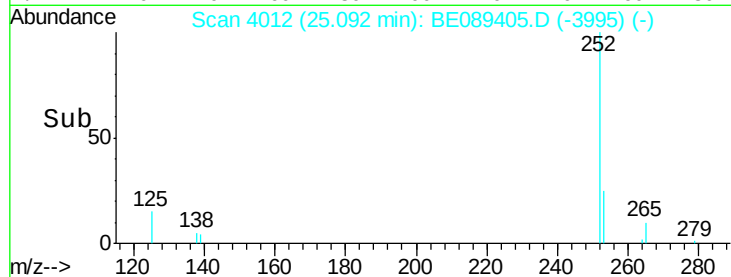
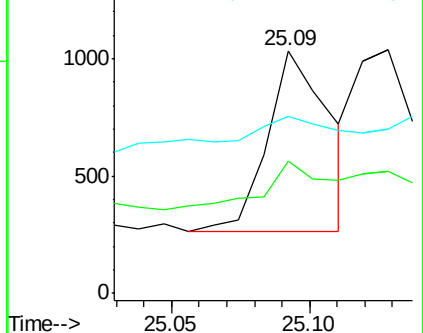
125 73.1 9.8 14.6#



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



#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.13 min Scan# 4016

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

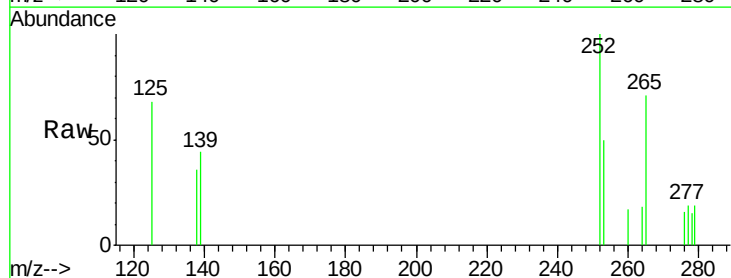
Tgt Ion:252 Resp: 1290

Ion Ratio Lower Upper

252 100

253 50.0 17.3 25.9#

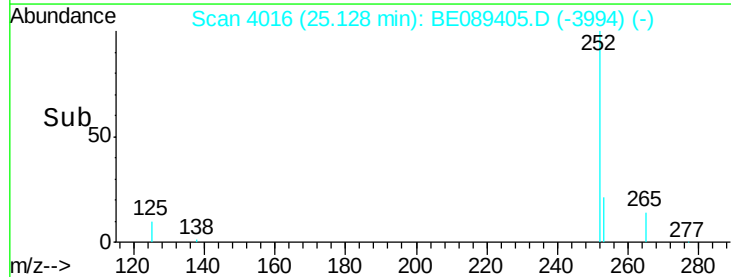
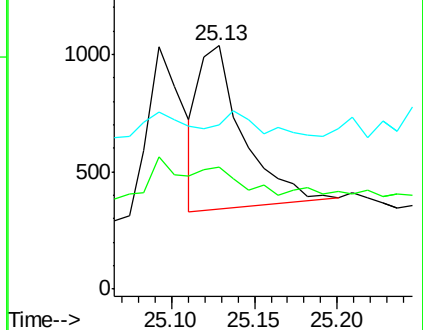
125 67.6 10.2 15.4#

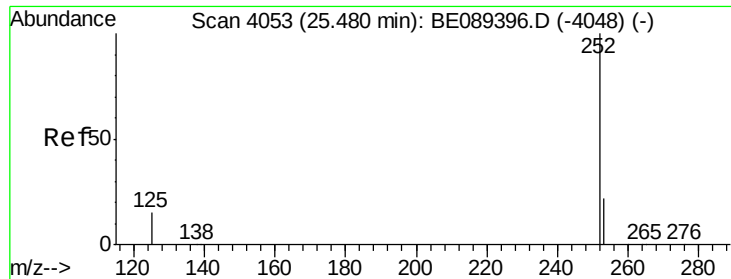


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.01 ng

RT: 25.48 min Scan# 4055

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

Instrument :

BNA_E

ClientSampleId :

MW-28

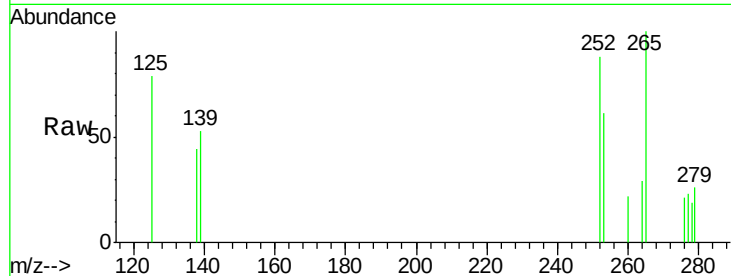
Tgt Ion: 252 Resp: 830

Ion Ratio Lower Upper

252 100

253 68.9 17.5 26.3#

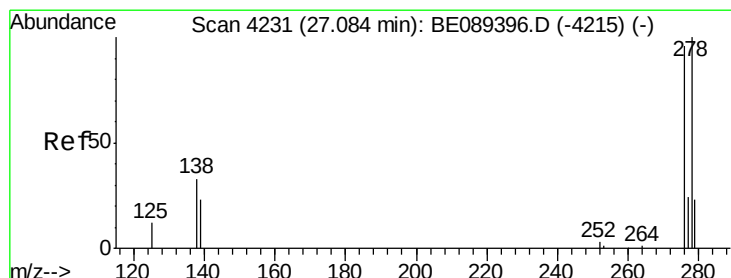
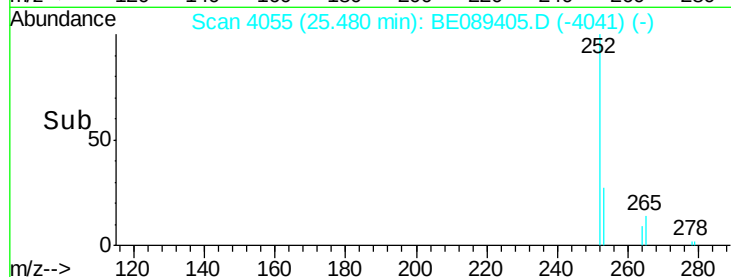
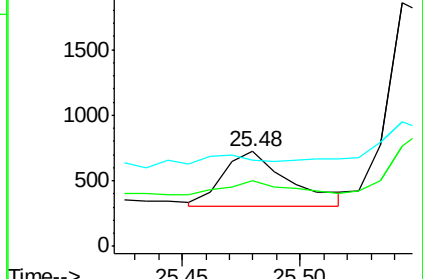
125 90.1 12.2 18.4#



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: 0.01 ng

RT: 27.08 min Scan# 4233

Delta R.T. 0.00 min

Lab File: BE089405.D

Acq: 29 Jan 2015 1:44

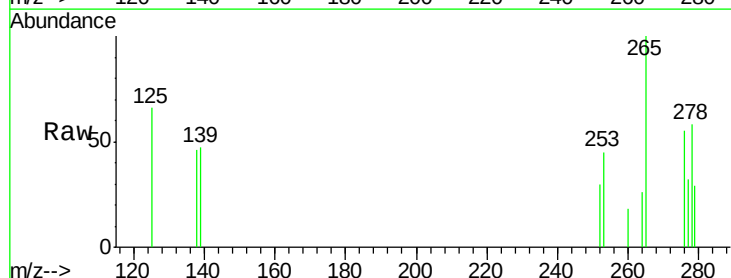
Tgt Ion: 278 Resp: 1212

Ion Ratio Lower Upper

278 100

139 80.7 18.5 27.7#

279 49.1 18.6 28.0#



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

