

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089418.D
 Acq On : 29 Jan 2015 17:45
 Operator : TP/IZ
 Sample : G1110-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-54

Quant Time: Jan 30 03:26:31 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 03:05:39 2015
 Response via : Initial Calibration

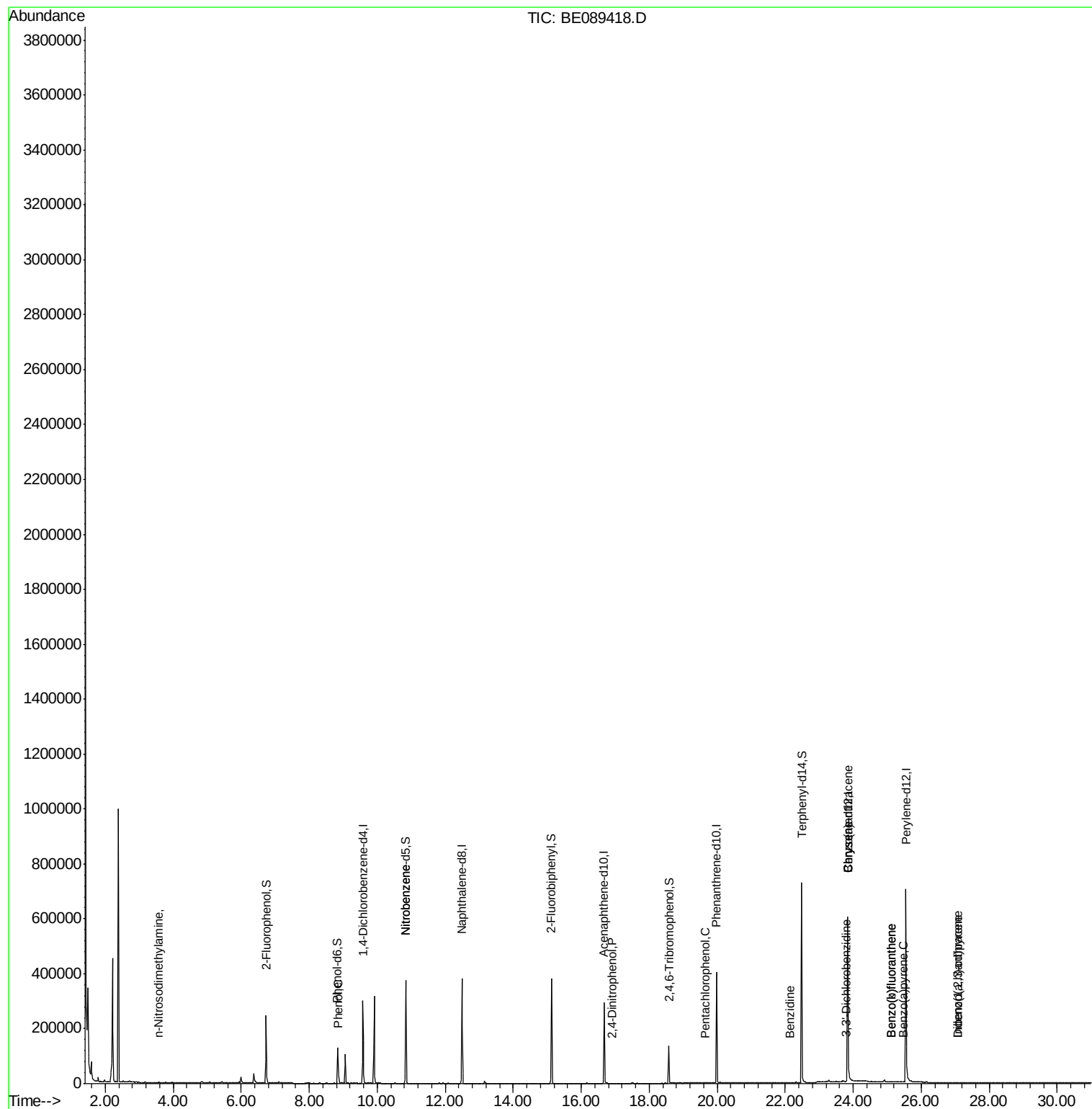
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	124498	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	431102	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	183230	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	376171	5.00	ng	0.00
20) Chrysene-d12	23.84	240	587418	5.00	ng	0.00
27) Perylene-d12	25.55	264	687153	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.73	112	165016	3.52	ng	0.00
4) Phenol-d6	8.85	99	115325	2.07	ng	0.00
8) Nitrobenzene-d5	10.84	82	275302	7.85	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	74441	14.72	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	353173	6.91	ng	0.00
22) Terphenyl-d14	22.48	244	621597	9.15	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.57	42	139	0.07	ng	# 1
5) Phenol	8.87	94	17622	0.29	ng	# 85
9) Nitrobenzene	10.84	77	1409	0.04	ng	# 42
16) 2,4-Dinitrophenol	16.91	184	21	0.30	ng	# 1
19) Pentachlorophenol	19.65	266	422	0.30	ng	# 75
21) Benzidine	22.13	184	20	0.28	ng	# 1
23) Benzo(a)anthracene	23.84	228	18256	0.04	ng	# 83
24) 3,3'-Dichlorobenzidine	23.80	252	381	0.30	ng	# 11
25) Chrysene	23.84	228	18256	0.03	ng	# 84
26) Indeno(1,2,3-cd)pyrene	27.06	276	1497	0.23	ng	# 100
28) Benzo(b)fluoranthene	25.12	252	3800	0.14	ng	# 1
29) Benzo(k)fluoranthene	25.12	252	3800	0.14	ng	# 1
30) Benzo(a)pyrene	25.48	252	1195	0.17	ng	# 1
31) Dibenzo(a,h)anthracene	27.08	278	956	0.43	ng	# 1

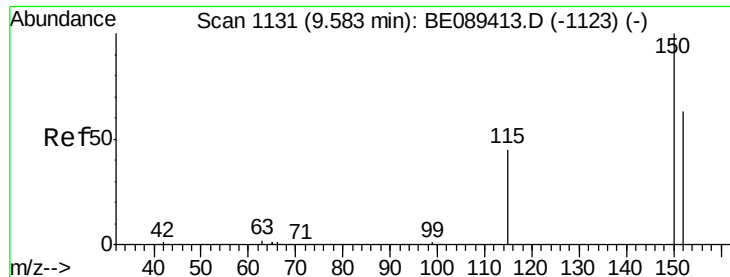
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089418.D

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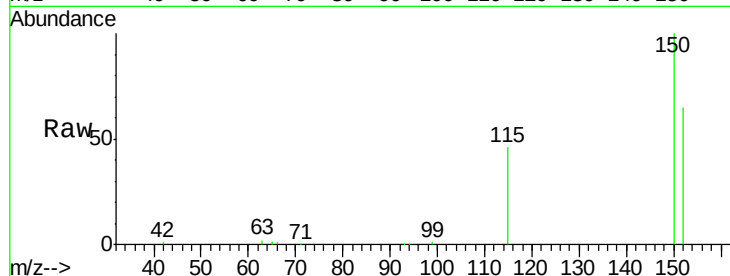
Tgt Ion:152 Resp: 124498

Ion Ratio Lower Upper

152 100

150 154.7 126.1 189.1

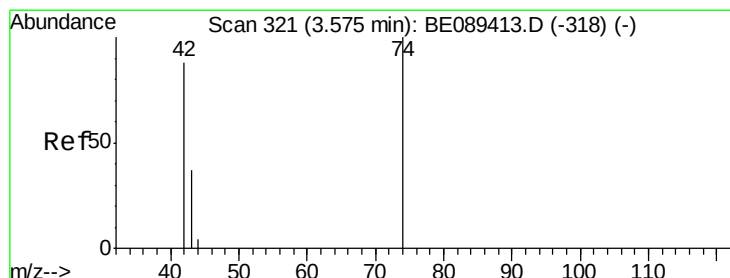
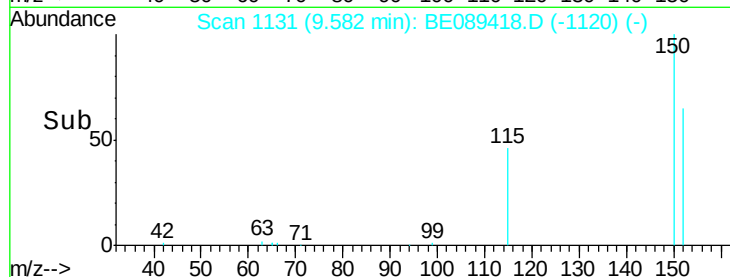
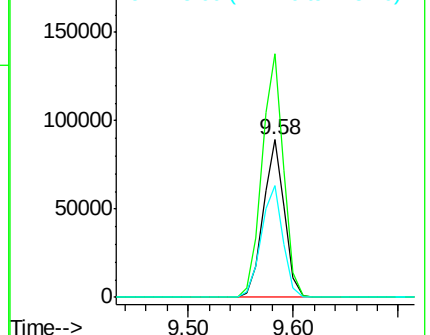
115 71.3 57.1 85.7



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: 0.07 ng

RT: 3.57 min Scan# 320

Delta R.T. -0.01 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

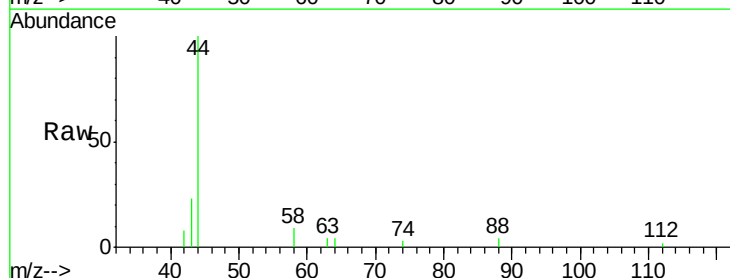
Tgt Ion: 42 Resp: 139

Ion Ratio Lower Upper

42 100

74 35.1 90.2 135.2#

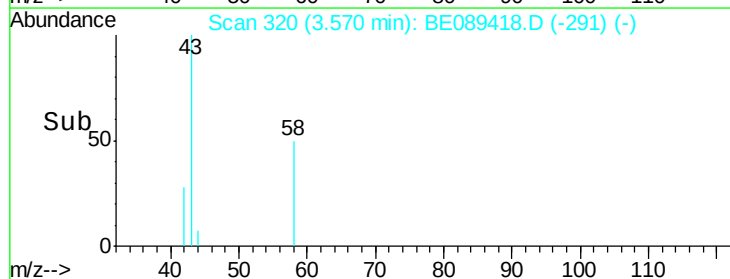
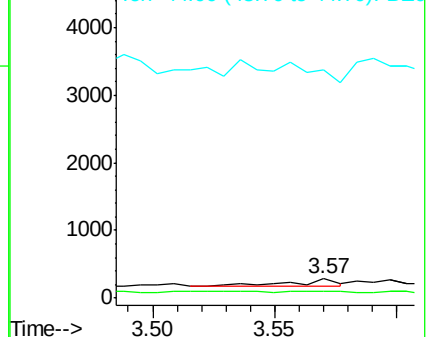
44 1181.1 19.4 29.2#

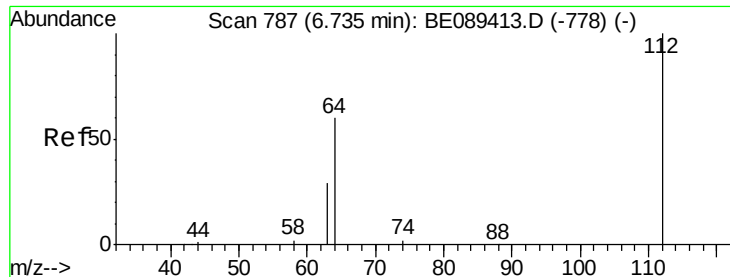


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

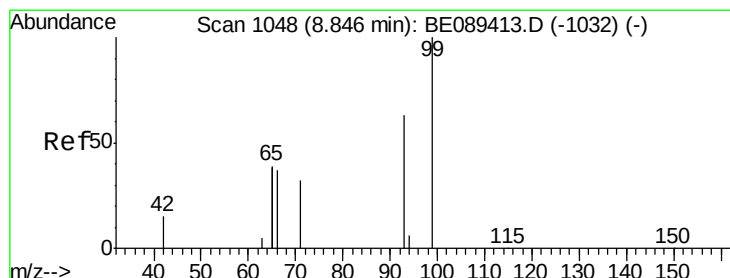
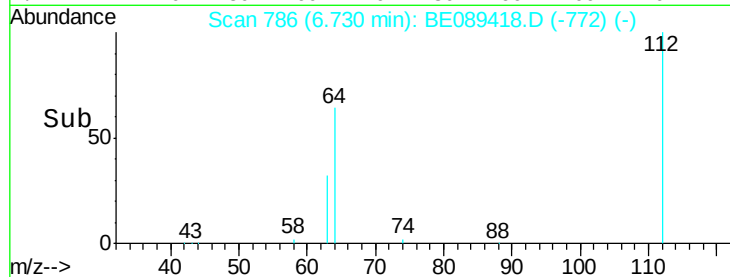
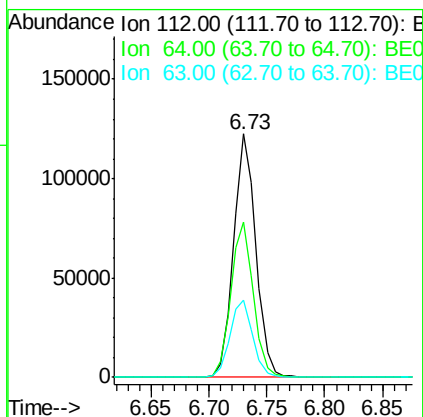
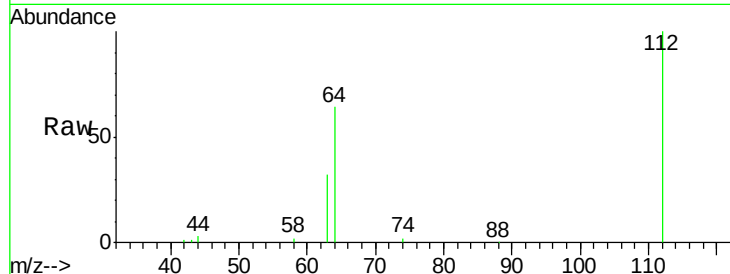




#3
 2-Fluorophenol
 Concen: 3.52 ng
 RT: 6.73 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BE089418.D
 Acq: 29 Jan 2015 17:45

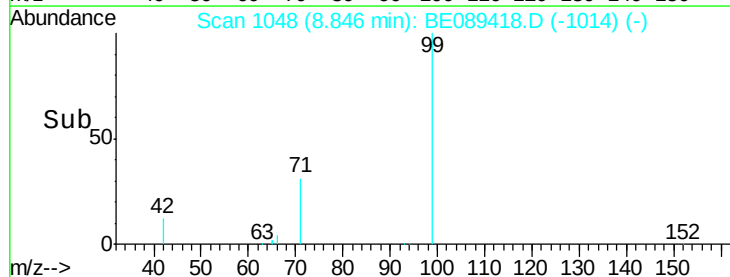
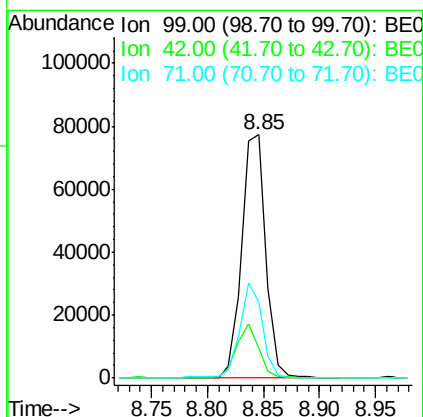
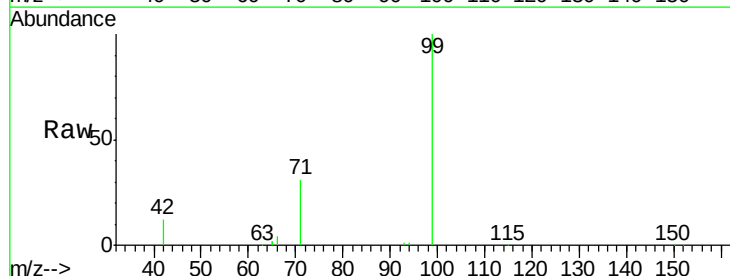
Instrument :
 BNA_E
 ClientSampleId :
 MW-54

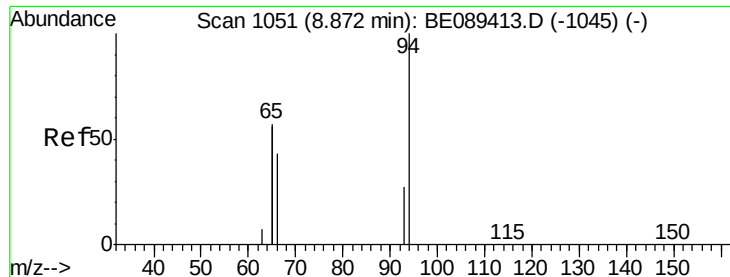
Tgt Ion: 112 Resp: 165016
 Ion Ratio Lower Upper
 112 100
 64 63.8 48.2 72.4
 63 31.6 23.5 35.3



#4
 Phenol-d6
 Concen: 2.07 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089418.D
 Acq: 29 Jan 2015 17:45

Tgt Ion: 99 Resp: 115325
 Ion Ratio Lower Upper
 99 100
 42 12.2 11.9 17.9
 71 31.0 25.8 38.6





#5

Phenol

Concen: 0.29 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

Instrument :

BNA_E

ClientSampleId :

MW-54

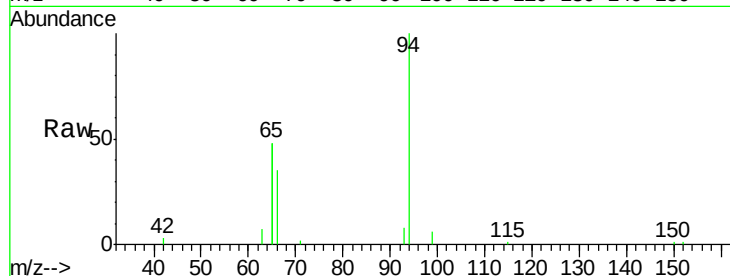
Tgt Ion: 94 Resp: 17622

Ion Ratio Lower Upper

94 100

65 96.8 93.3 133.3

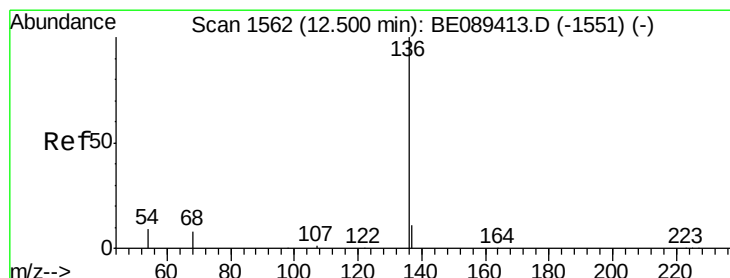
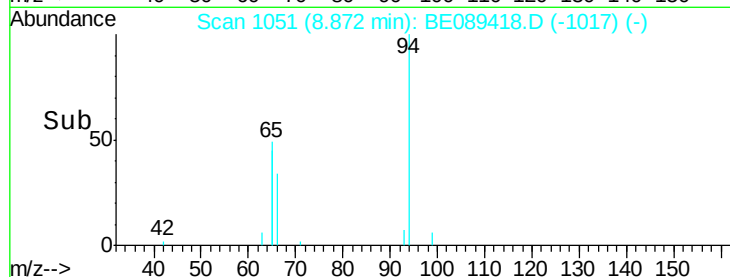
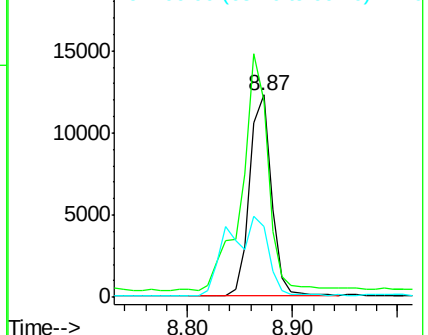
66 34.9 23.6 63.6



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

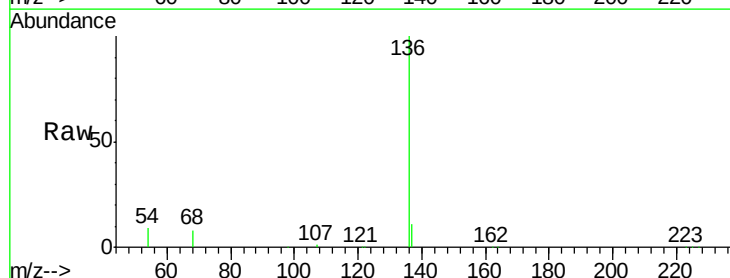
Tgt Ion: 136 Resp: 431102

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

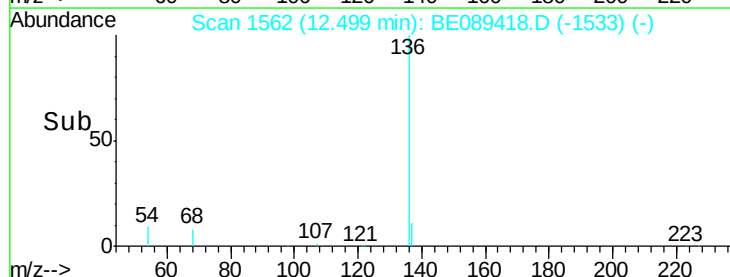
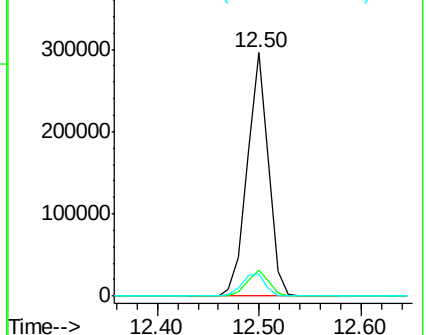
54 9.2 7.5 11.3

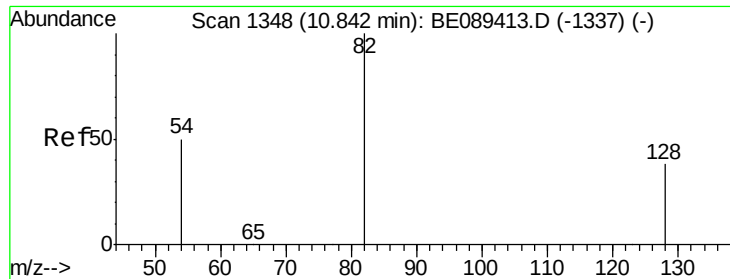


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene-d5

Concen: 7.85 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

Instrument :

BNA_E

ClientSampleId :

MW-54

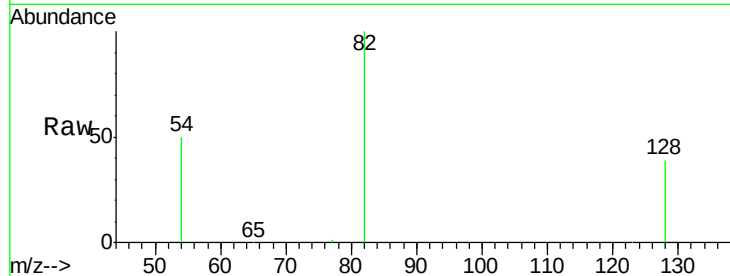
Tgt Ion: 82 Resp: 275302

Ion Ratio Lower Upper

82 100

128 39.4 31.0 46.4

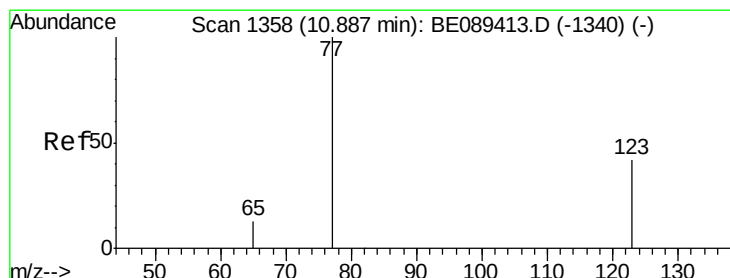
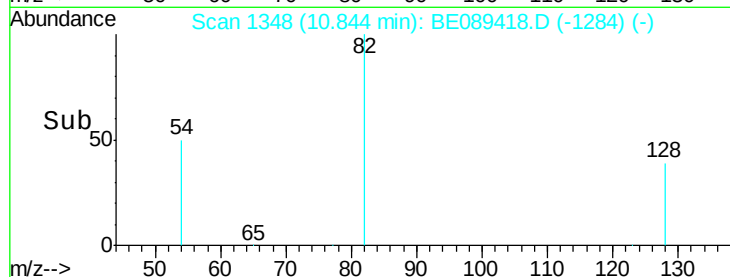
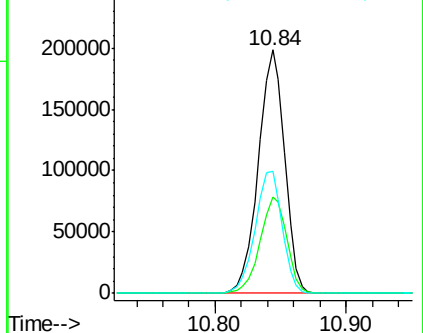
54 50.1 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Nitrobenzene

Concen: 0.04 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.04 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

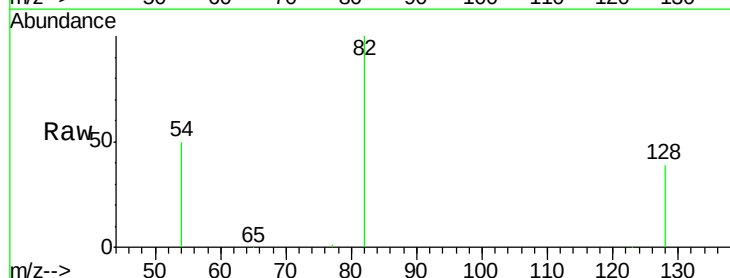
Tgt Ion: 77 Resp: 1409

Ion Ratio Lower Upper

77 100

123 1.0 32.8 49.2#

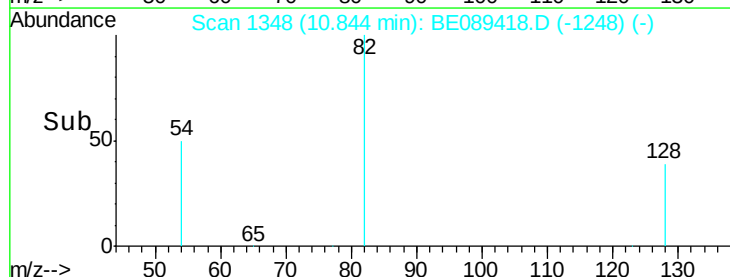
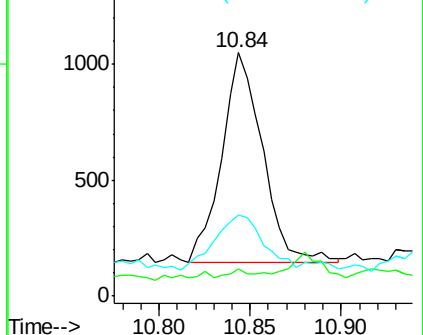
65 30.7 11.0 16.6#

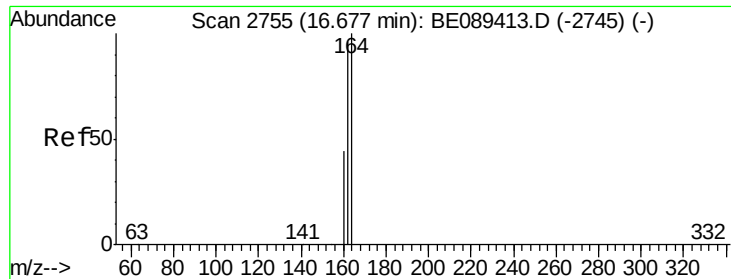


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

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ClientSampleId :

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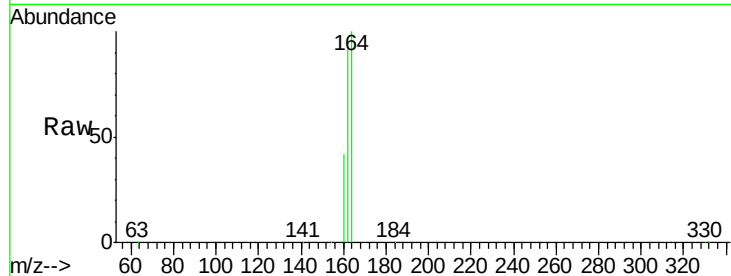
Tgt Ion:164 Resp: 183230

Ion Ratio Lower Upper

164 100

162 93.5 77.0 115.6

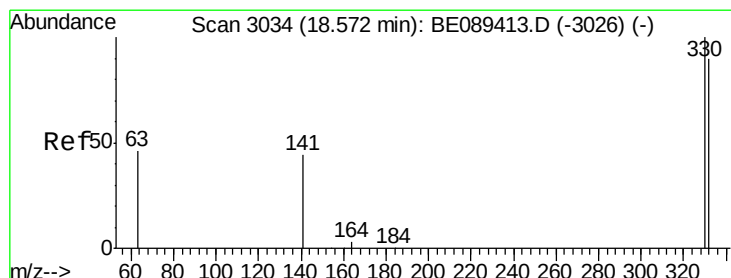
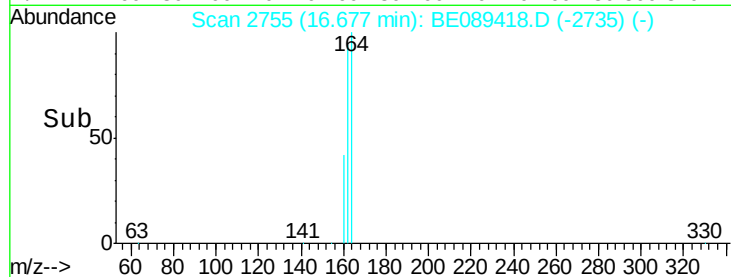
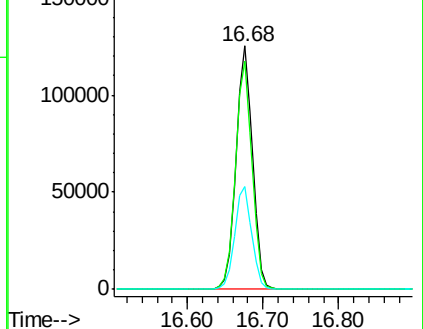
160 42.1 35.0 52.4



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: 14.72 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

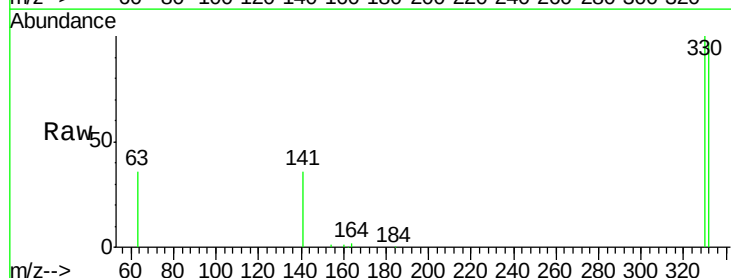
Tgt Ion:330 Resp: 74441

Ion Ratio Lower Upper

330 100

332 96.0 76.0 114.0

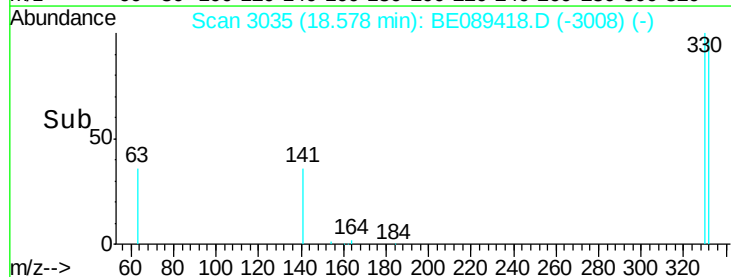
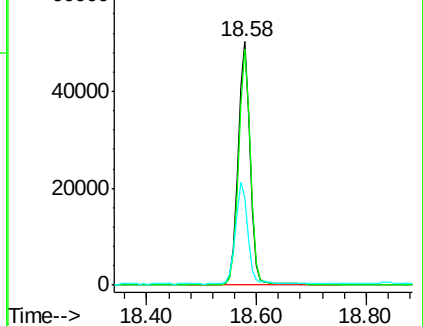
141 43.1 35.6 53.4

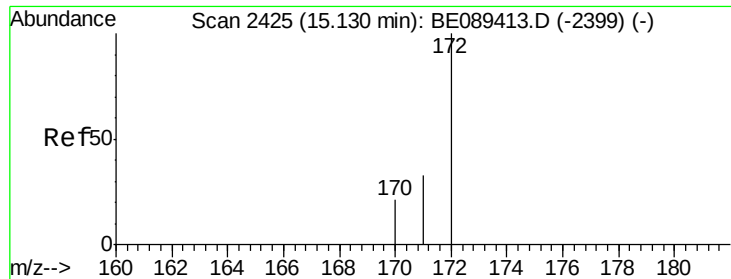


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

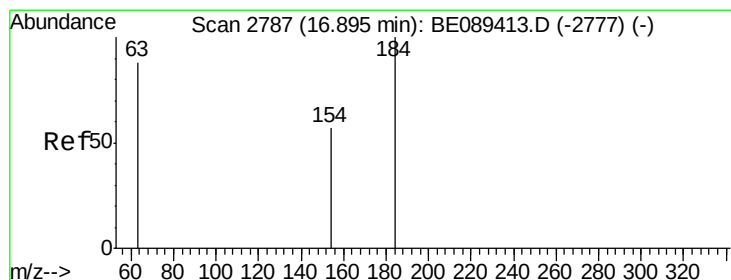
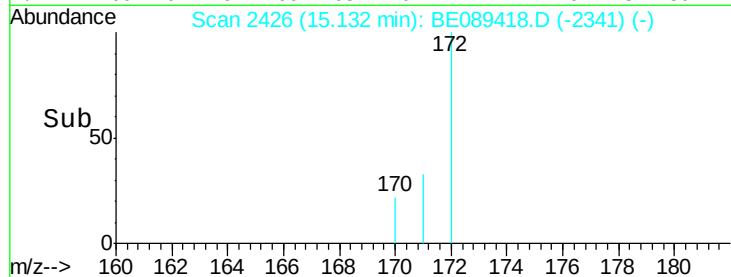
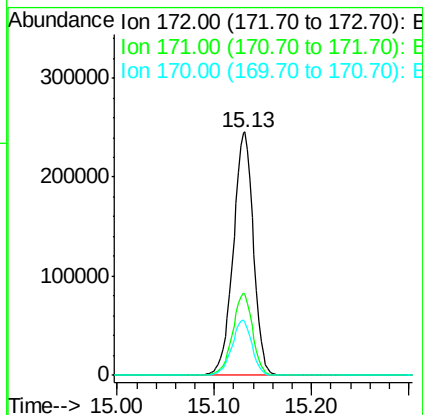
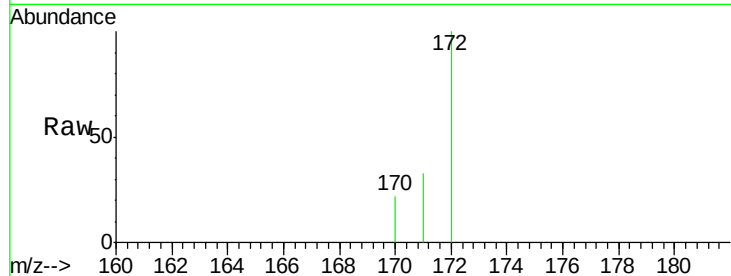




#15
2-Fluorobiphenyl
Concen: 6.91 ng
RT: 15.13 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE089418.D
Acq: 29 Jan 2015 17:45

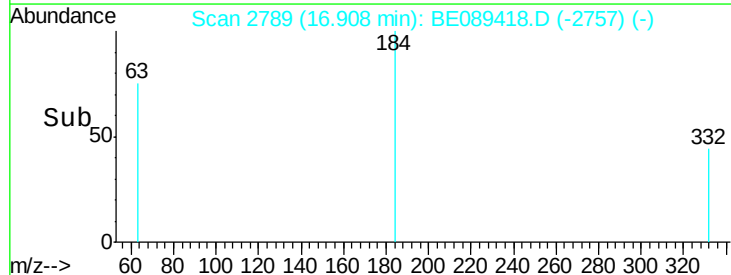
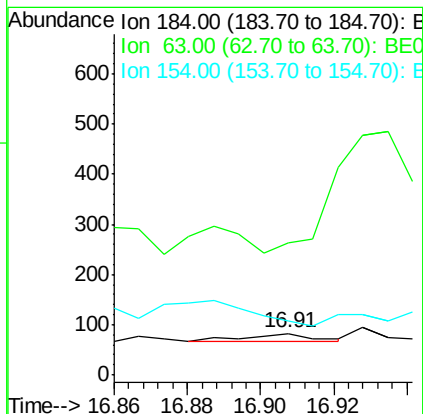
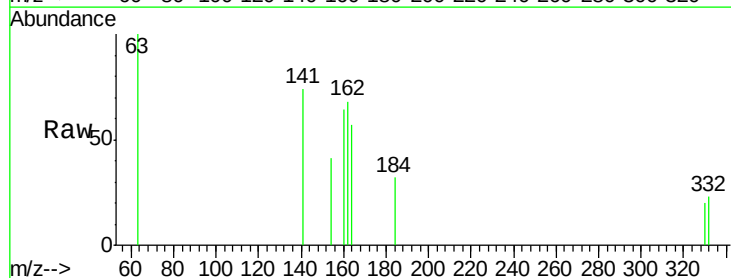
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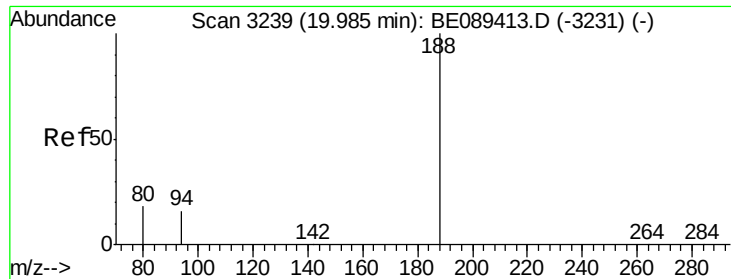
Tgt Ion:172 Resp: 353173
Ion Ratio Lower Upper
172 100
171 33.4 26.6 39.8
170 21.7 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 0.30 ng
RT: 16.91 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BE089418.D
Acq: 29 Jan 2015 17:45

Tgt Ion:184 Resp: 21
Ion Ratio Lower Upper
184 100
63 316.9 79.0 118.4#
154 128.9 55.8 83.6#

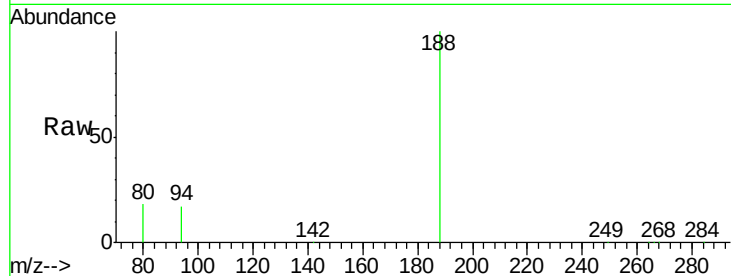




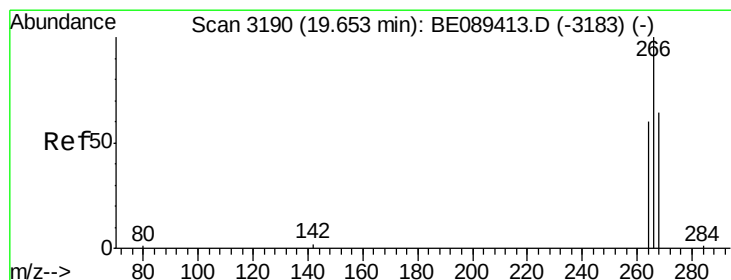
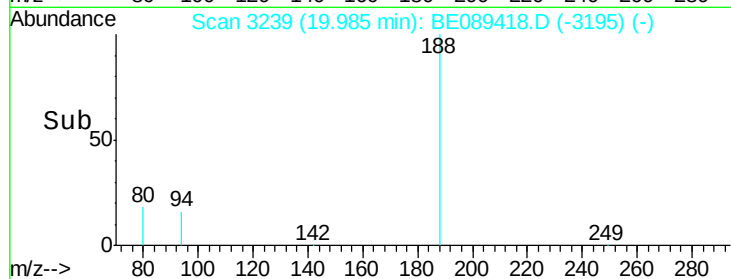
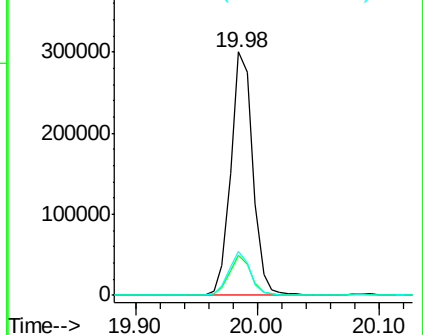
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089418.D
Acq: 29 Jan 2015 17:45

Instrument :
BNA_E
ClientSampleId :
MW-54

Tgt Ion:188 Resp: 376171
Ion Ratio Lower Upper
188 100
94 16.7 13.0 19.6
80 17.9 14.2 21.4

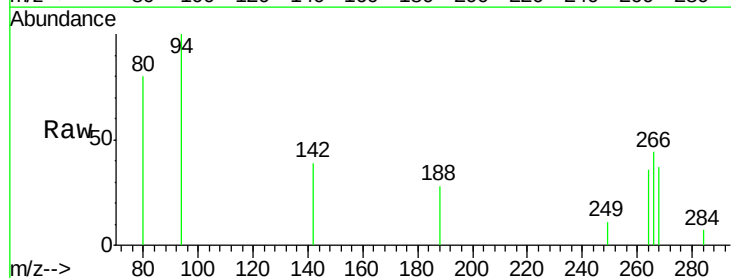


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

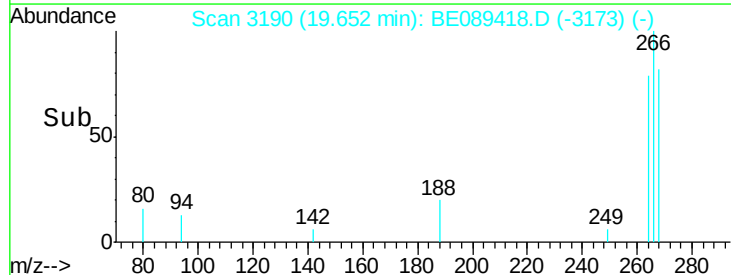
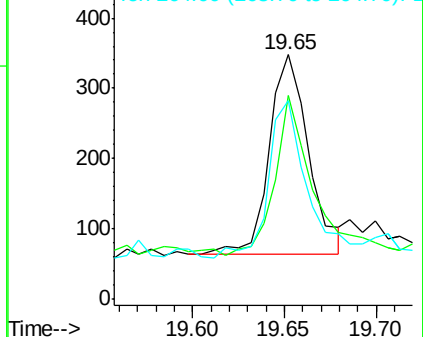


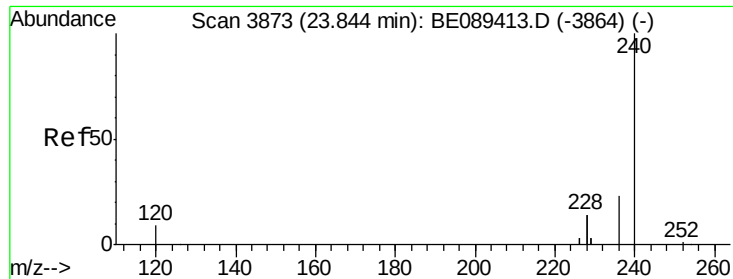
#19
Pentachlorophenol
Concen: 0.30 ng
RT: 19.65 min Scan# 3190
Delta R.T. 0.00 min
Lab File: BE089418.D
Acq: 29 Jan 2015 17:45

Tgt Ion:266 Resp: 422
Ion Ratio Lower Upper
266 100
268 83.3 51.9 77.9#
264 81.0 48.5 72.7#



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# 3872

Delta R.T. -0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

Instrument :

BNA_E

ClientSampleId :

MW-54

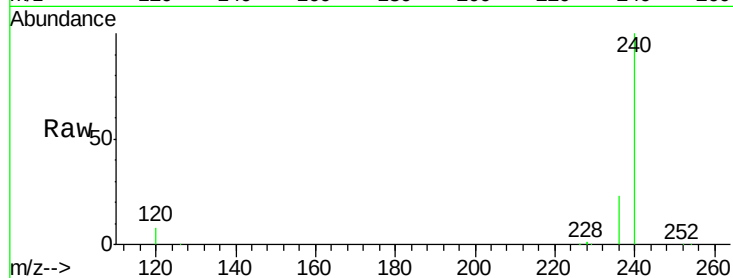
Tgt Ion:240 Resp: 587418

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

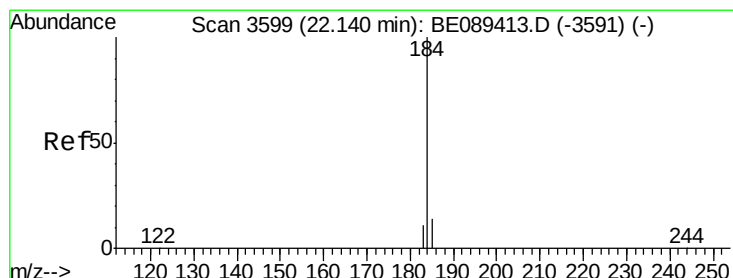
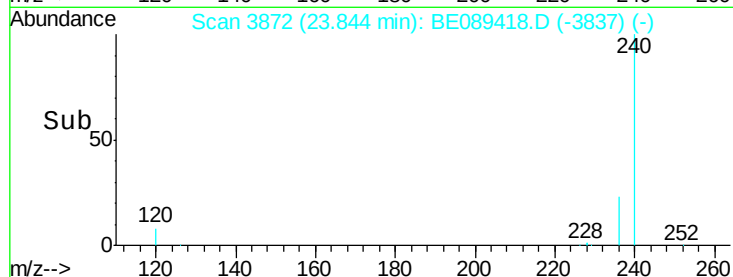
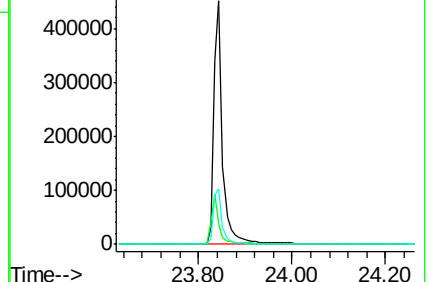
236 22.6 18.2 27.2



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: 0.28 ng

RT: 22.13 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

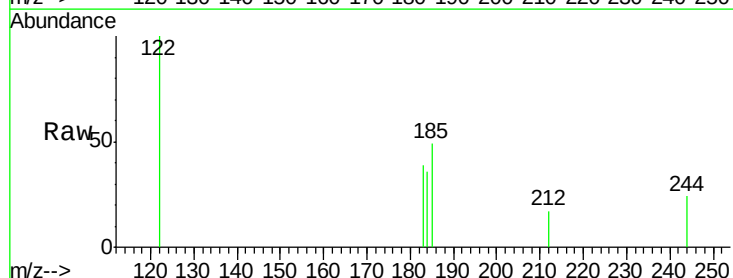
Tgt Ion:184 Resp: 20

Ion Ratio Lower Upper

184 100

185 136.6 11.0 16.6#

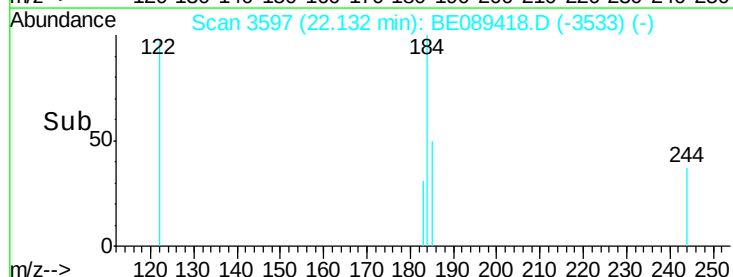
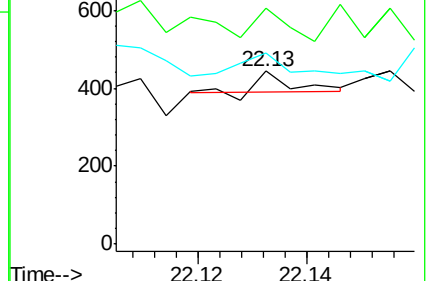
183 110.4 8.6 13.0#

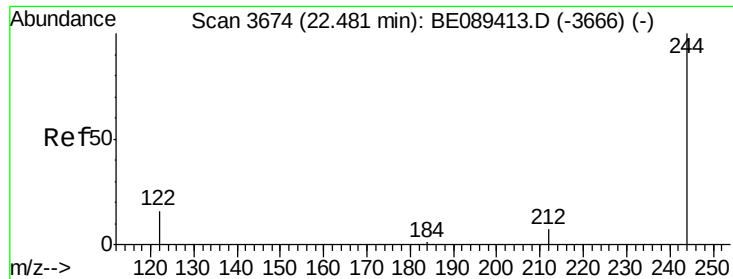


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

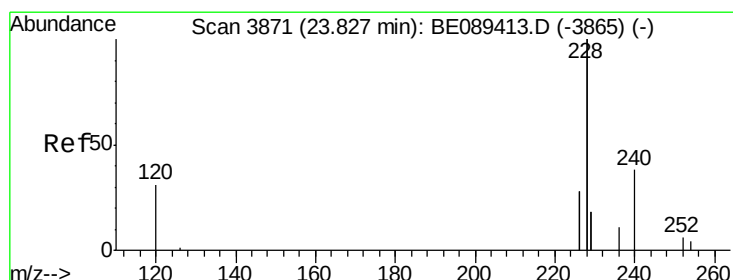
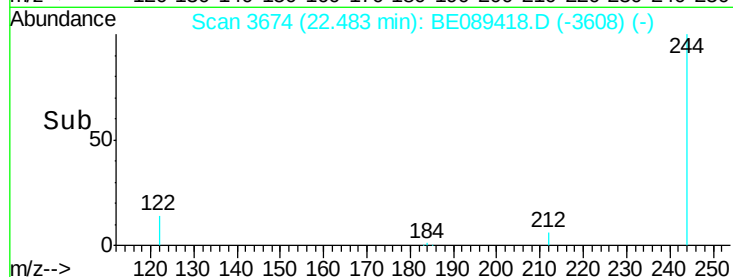
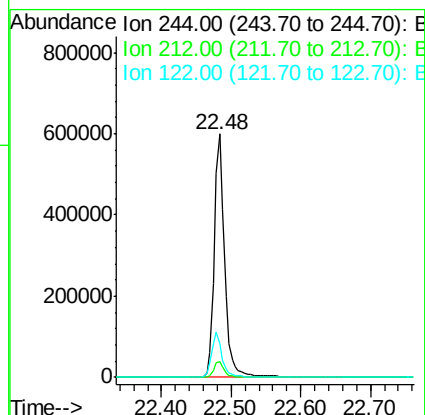
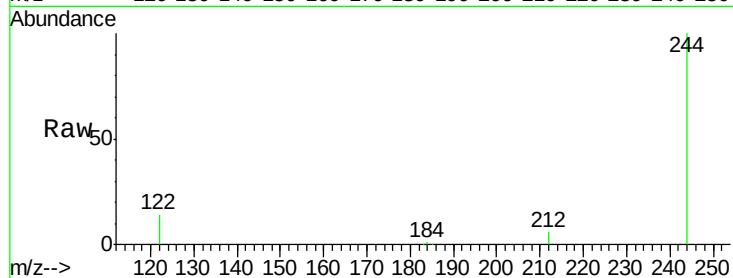




#22
 Terphenyl-d14
 Concen: 9.15 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089418.D
 Acq: 29 Jan 2015 17:45

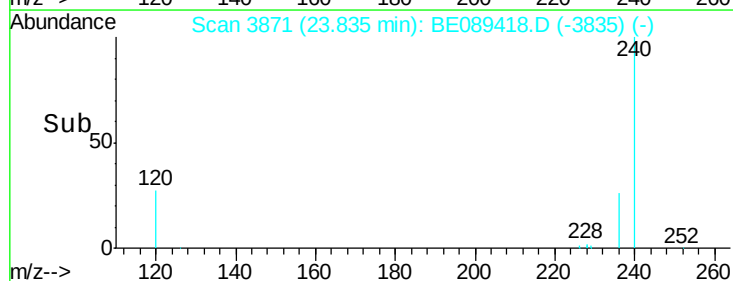
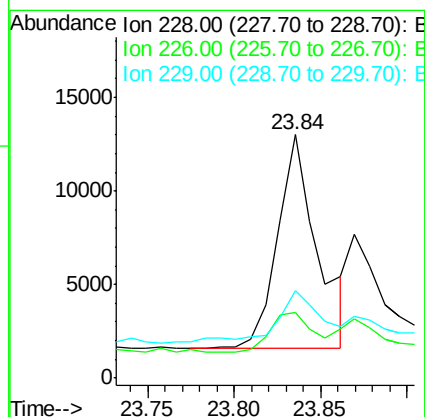
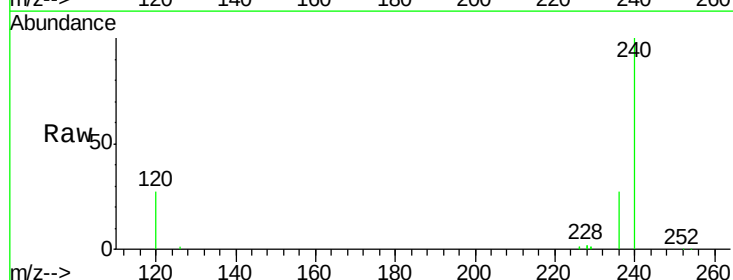
Instrument :
 BNA_E
 ClientSampleId :
 MW-54

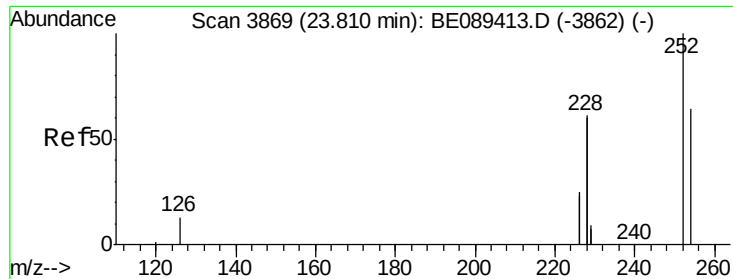
Tgt Ion:244 Resp: 621597
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 13.9 13.2 19.8



#23
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 23.84 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BE089418.D
 Acq: 29 Jan 2015 17:45

Tgt Ion:228 Resp: 18256
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.6 33.8
 229 36.1 14.5 21.7#

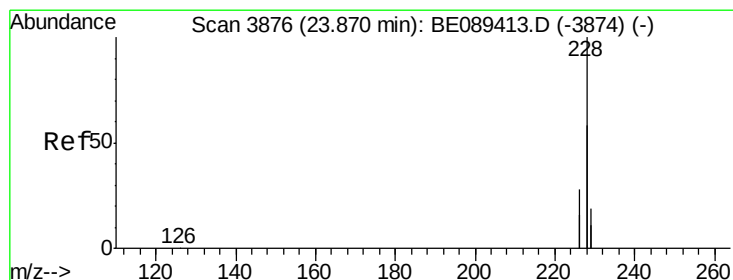
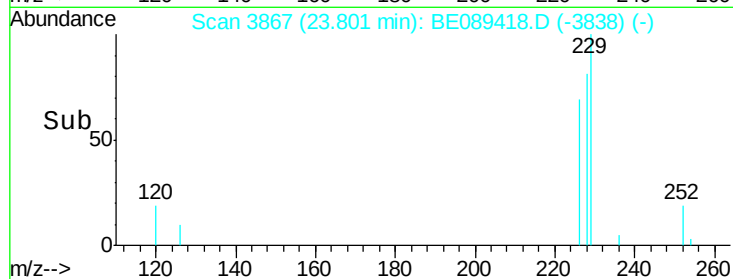
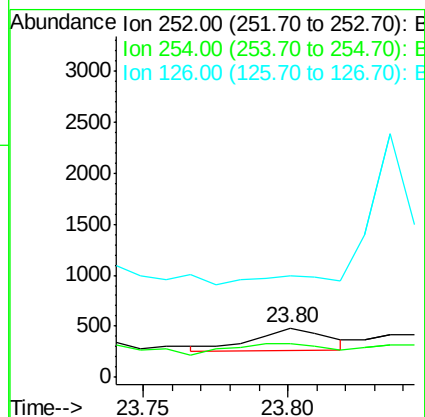
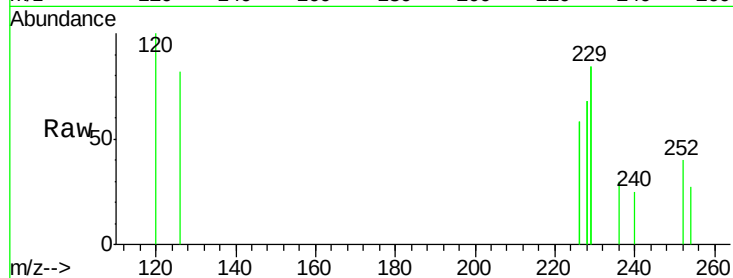




#24
 3,3'-Dichlorobenzidine
 Concen: 0.30 ng
 RT: 23.80 min Scan# 3867
 Delta R.T. -0.01 min
 Lab File: BE089418.D
 Acq: 29 Jan 2015 17:45

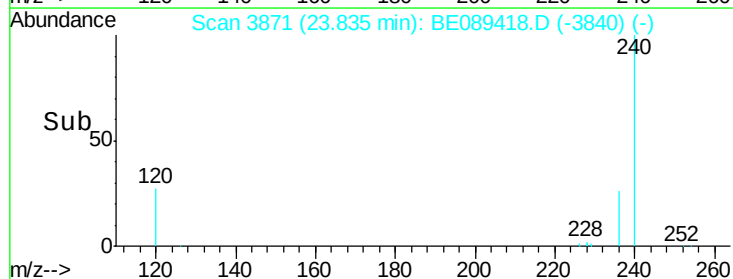
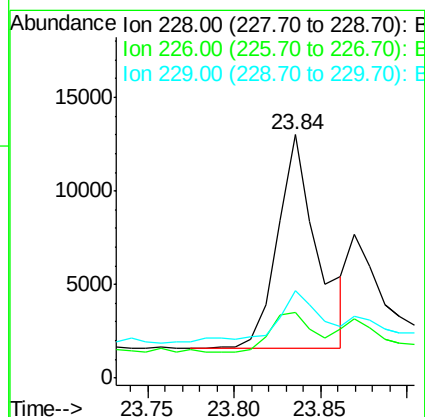
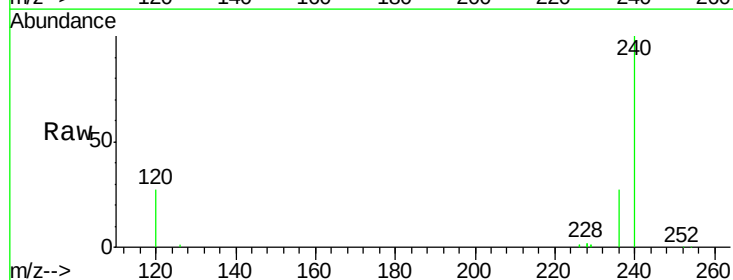
Instrument :
 BNA_E
 ClientSampleId :
 MW-54

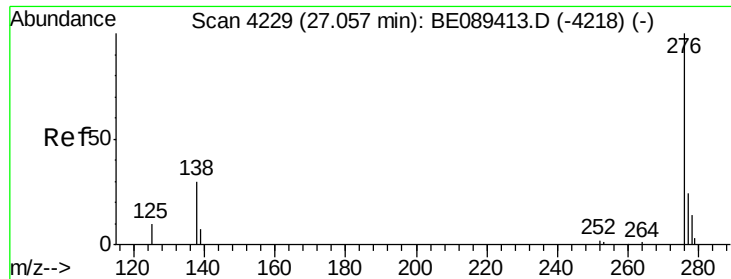
Tgt Ion: 252 Resp: 381
 Ion Ratio Lower Upper
 252 100
 254 67.2 51.1 76.7
 126 206.2 11.5 17.3#



#25
 Chrysene
 Concen: 0.03 ng
 RT: 23.84 min Scan# 3871
 Delta R.T. -0.03 min
 Lab File: BE089418.D
 Acq: 29 Jan 2015 17:45

Tgt Ion: 228 Resp: 18256
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.6 33.8
 229 36.1 15.5 23.3#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.23 ng

RT: 27.06 min Scan# 4228

Delta R.T. 0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

Instrument :

BNA_E

ClientSampleId :

MW-54

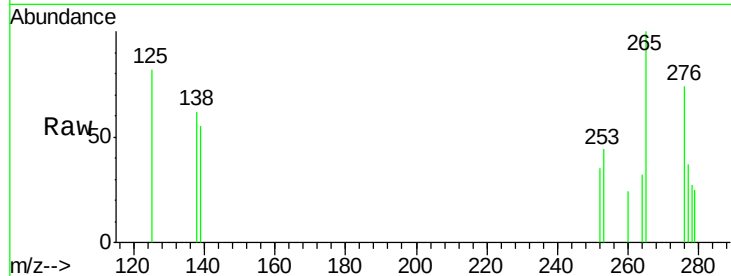
Tgt Ion: 276 Resp: 1497

Ion Ratio Lower Upper

276 100

138 50.8 0.0 0.0#

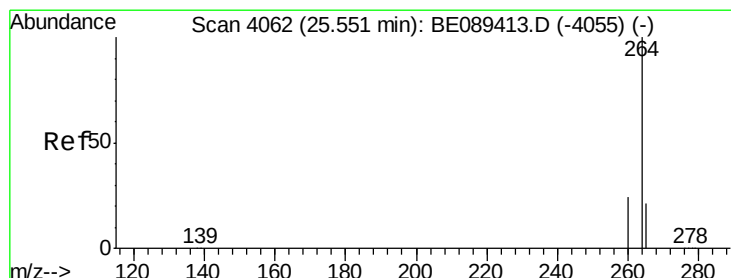
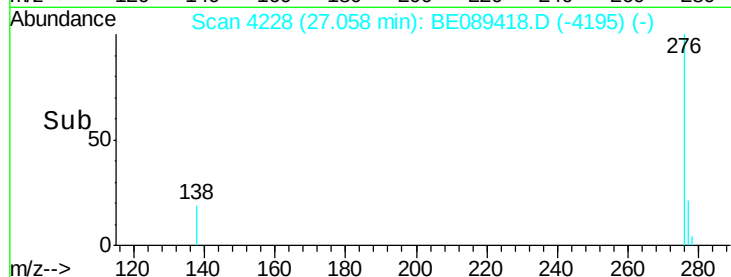
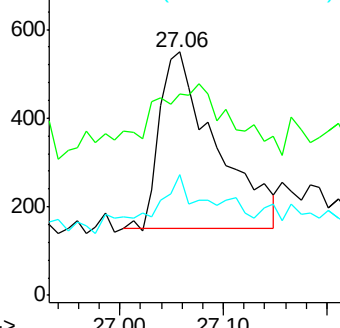
277 29.4 0.0 0.0#



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



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

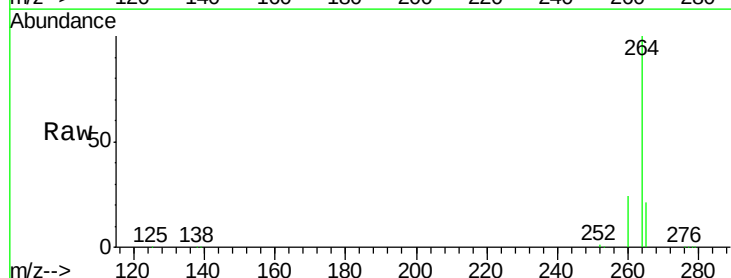
Tgt Ion: 264 Resp: 687153

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

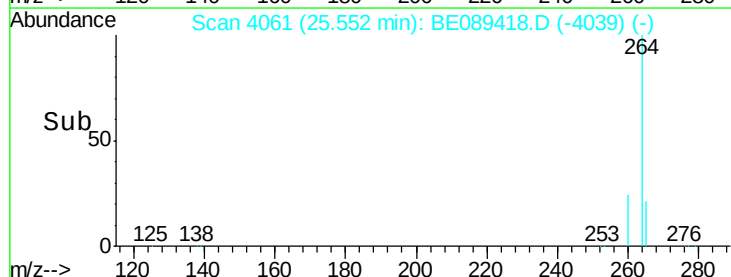
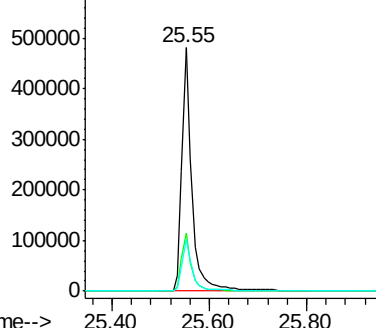
265 21.5 17.1 25.7

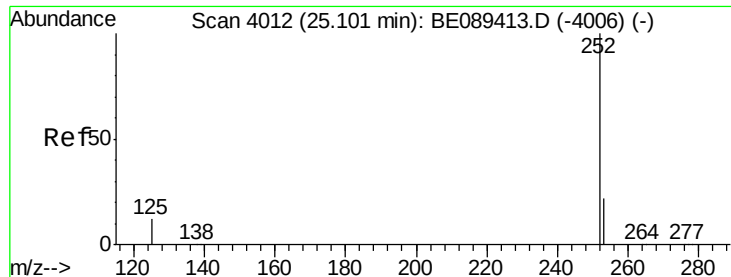


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.14 ng

RT: 25.12 min Scan# 4013

Delta R.T. 0.02 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

Instrument :

BNA_E

ClientSampleId :

MW-54

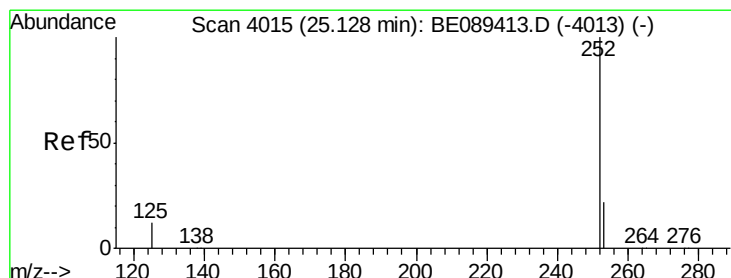
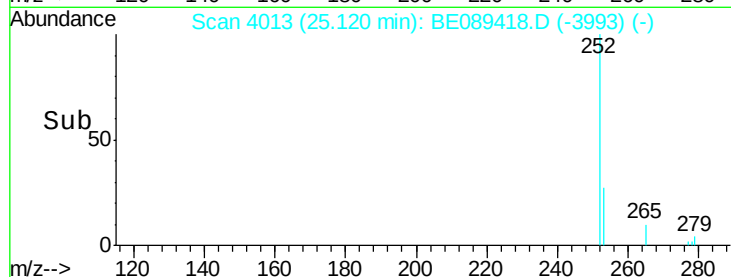
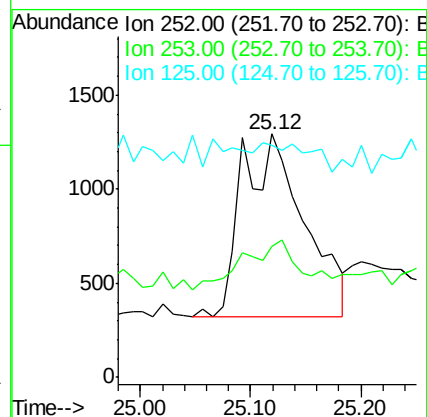
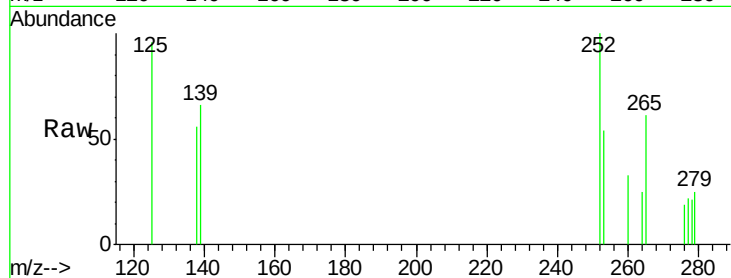
Tgt Ion:252 Resp: 3800

Ion Ratio Lower Upper

252 100

253 53.7 17.6 26.4#

125 95.6 10.5 15.7#



#29

Benzo(k)fluoranthene

Concen: 0.14 ng

RT: 25.12 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

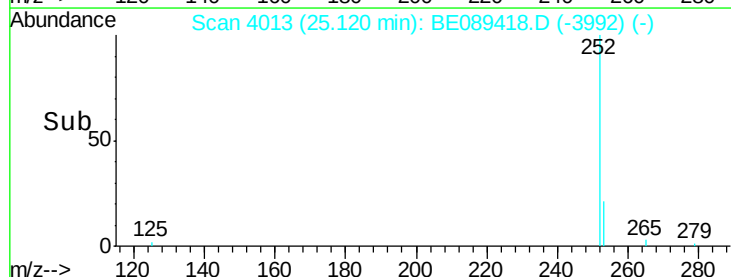
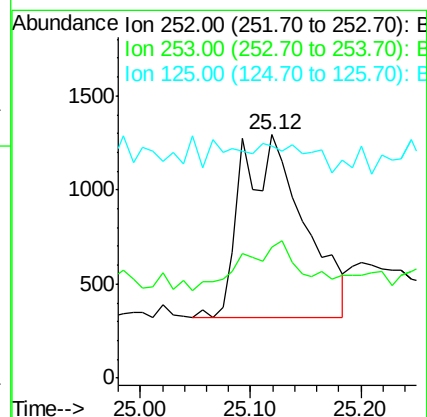
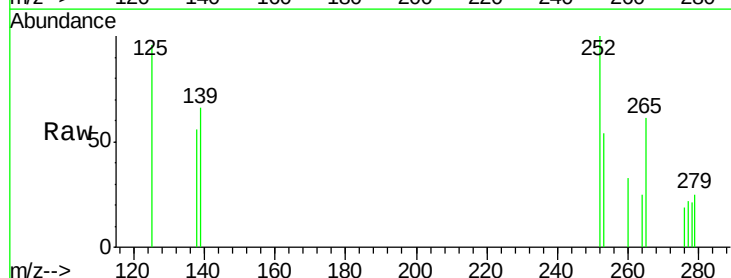
Tgt Ion:252 Resp: 3800

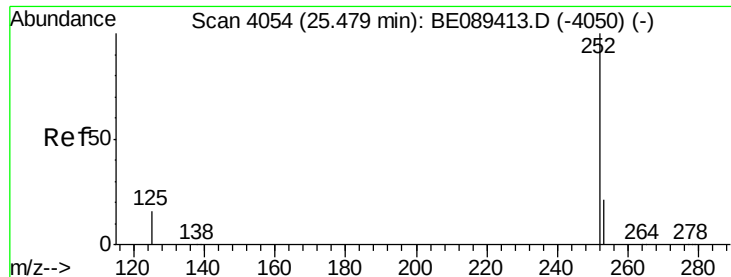
Ion Ratio Lower Upper

252 100

253 53.7 17.4 26.2#

125 95.6 11.0 16.6#





#30

Benzo(a)pyrene

Concen: 0.17 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

Instrument :

BNA_E

ClientSampleId :

MW-54

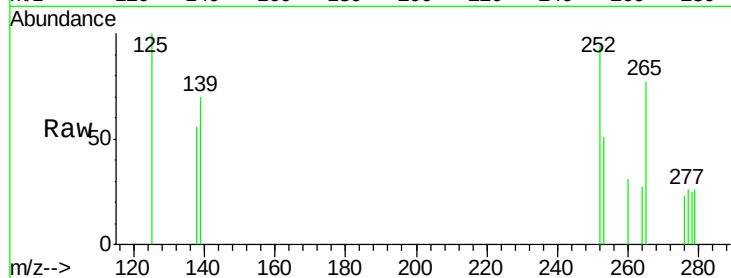
Tgt Ion: 252 Resp: 1195

Ion Ratio Lower Upper

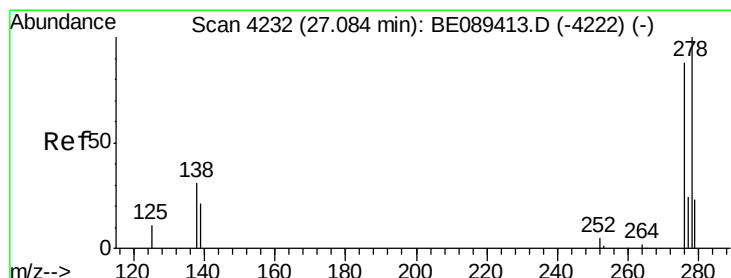
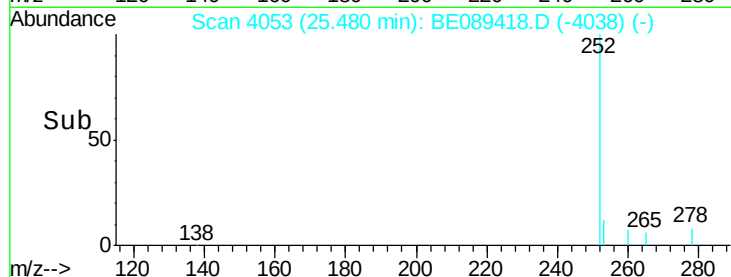
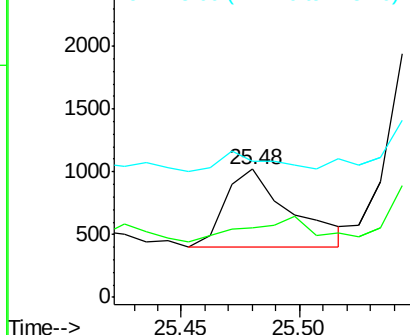
252 100

253 54.8 17.3 25.9#

125 106.7 13.0 19.6#



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



#31

Dibenzo(a,h)anthracene

Concen: 0.43 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089418.D

Acq: 29 Jan 2015 17:45

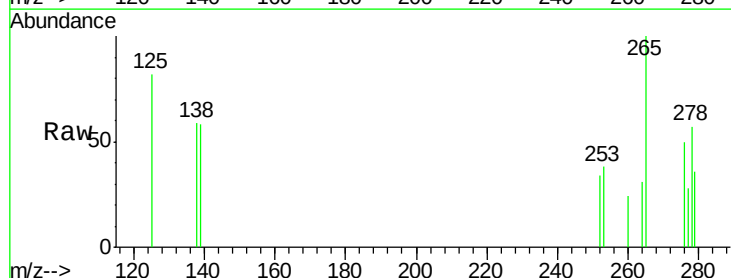
Tgt Ion: 278 Resp: 956

Ion Ratio Lower Upper

278 100

139 102.1 17.2 25.8#

279 64.2 19.2 28.8#



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

