

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020415\
 Data File : BE089496.D
 Acq On : 4 Feb 2015 14:40
 Operator : TP/IZ
 Sample : G1150-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Quant Time: Feb 04 17:30:39 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	76777	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	310712	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	152594	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	258004	5.00	ng	0.00
20) Chrysene-d12	23.79	240	241567	5.00	ng	0.00
27) Perylene-d12	25.49	264	190512	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.75	112	65026	2.62	ng	0.03
4) Phenol-d6	8.87	99	66157	2.12	ng	0.04
8) Nitrobenzene-d5	10.80	82	125479	5.34	ng	0.00
14) 2,4,6-Tribromophenol	18.53	330	37288	5.71	ng	0.02
15) 2-Fluorobiphenyl	15.07	172	200368	4.98	ng	0.00
22) Terphenyl-d14	22.43	244	240353	7.02	ng	0.00

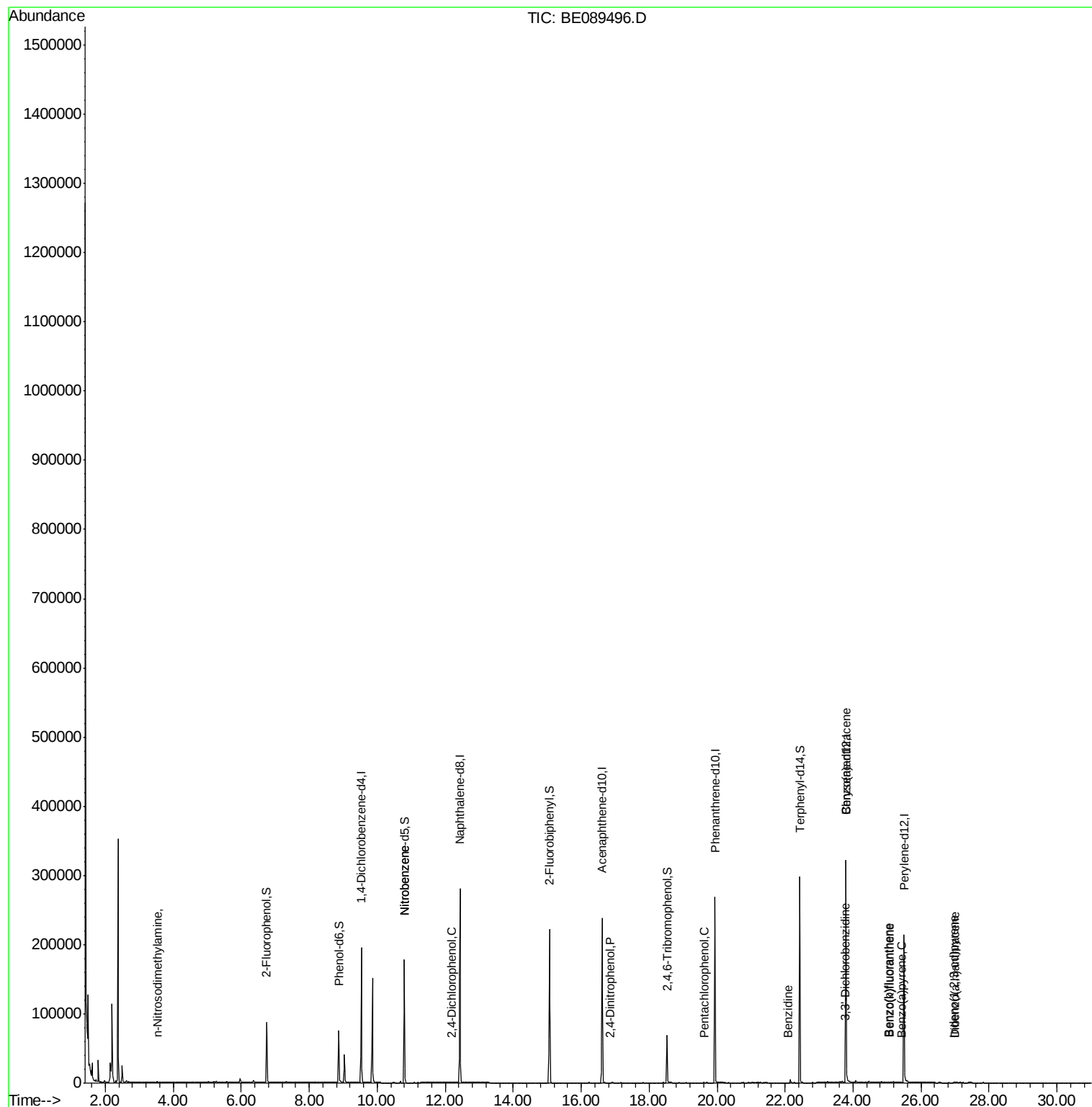
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.53	42	237	0.10	ng	# 7
9) Nitrobenzene	10.80	77	564	0.02	ng	# 39
11) 2,4-Dichlorophenol	12.18	162	557	0.04	ng	# 93
16) 2,4-Dinitrophenol	16.85	184	7	0.40	ng	# 45
19) Pentachlorophenol	19.62	266	55	0.37	ng	# 72
21) Benzidine	22.09	184	202	0.10	ng	# 1
23) Benzo(a)anthracene	23.78	228	4940	0.02	ng	# 87
24) 3,3'-Dichlorobenzidine	23.77	252	135	0.12	ng	# 23
26) Indeno(1,2,3-cd)pyrene	26.97	276	855	0.15	ng	# 76
28) Benzo(b)fluoranthene	25.04	252	911	0.20	ng	# 36
29) Benzo(k)fluoranthene	25.07	252	996	0.02	ng	# 23
30) Benzo(a)pyrene	25.43	252	349	0.18	ng	# 1
31) Dibenzo(a,h)anthracene	27.00	278	480	0.16	ng	# 11

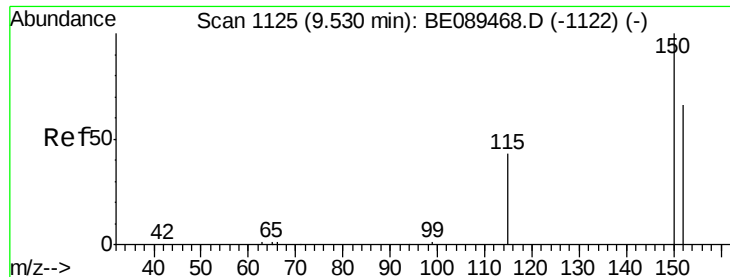
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 04 17:30:39 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampleId :

MW-2

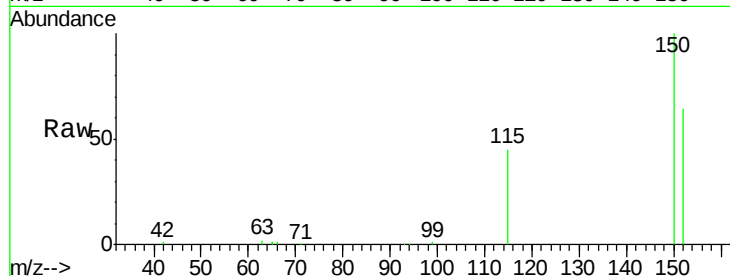
Tgt Ion:152 Resp: 76777

Ion Ratio Lower Upper

152 100

150 156.8 122.1 183.1

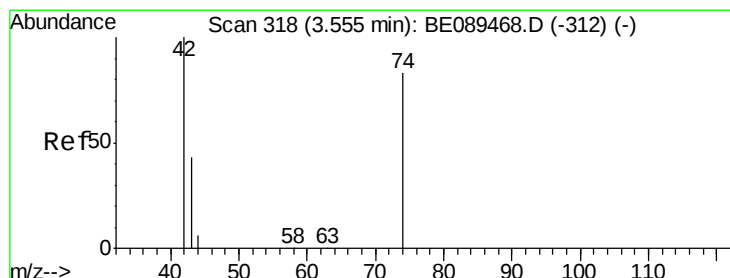
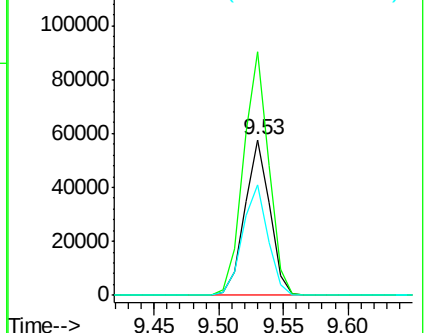
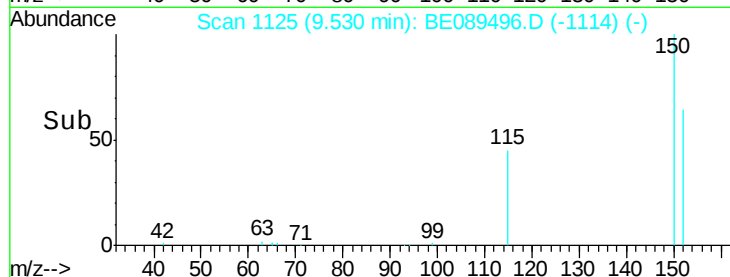
115 70.8 53.2 79.8



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: 0.10 ng

RT: 3.53 min Scan# 314

Delta R.T. -0.03 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

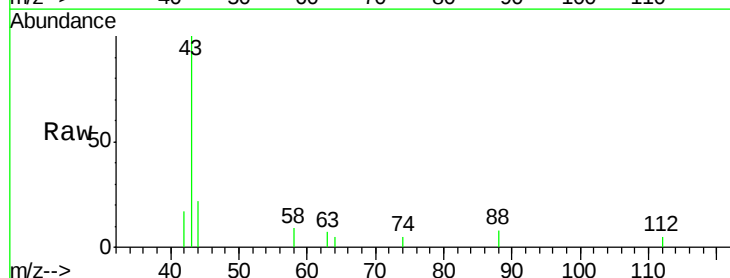
Tgt Ion: 42 Resp: 237

Ion Ratio Lower Upper

42 100

74 30.1 65.4 98.2#

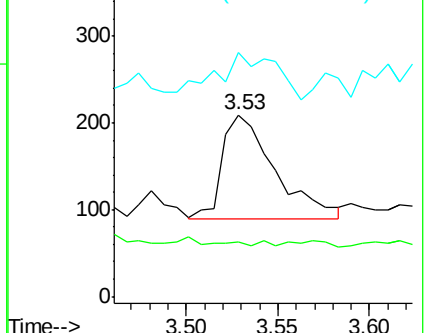
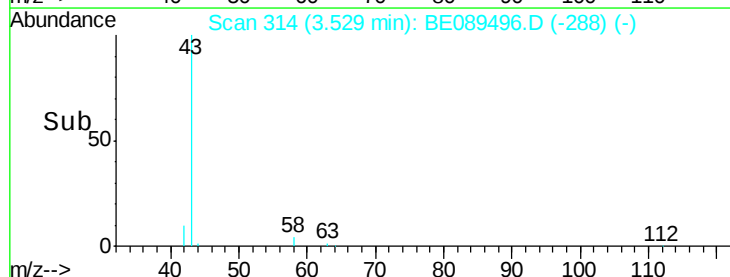
44 134.4 11.7 17.5#

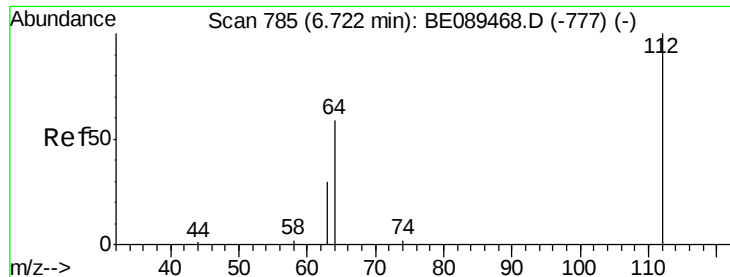


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

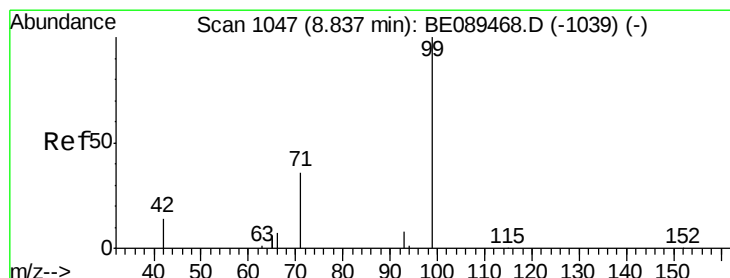
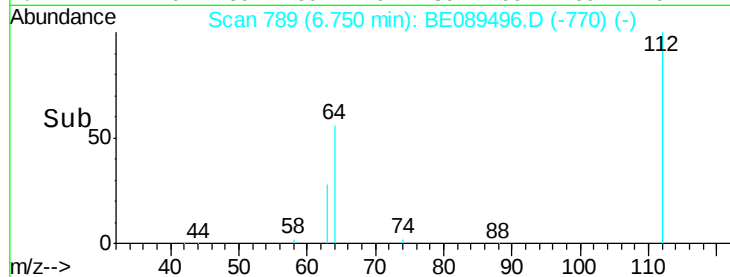
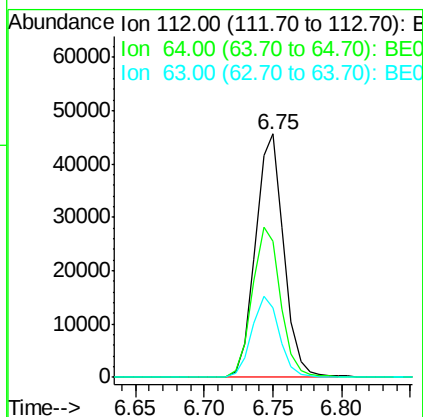
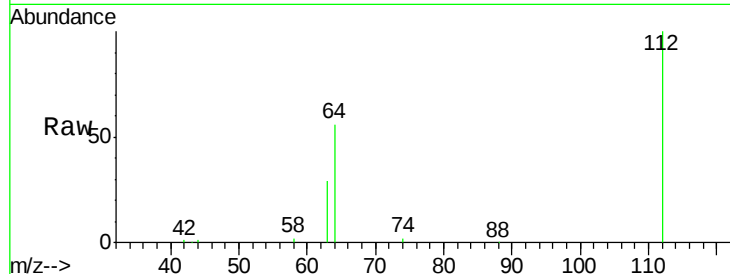




#3
 2-Fluorophenol
 Concen: 2.62 ng
 RT: 6.75 min Scan# 789
 Delta R.T. 0.03 min
 Lab File: BE089496.D
 Acq: 4 Feb 2015 14:40

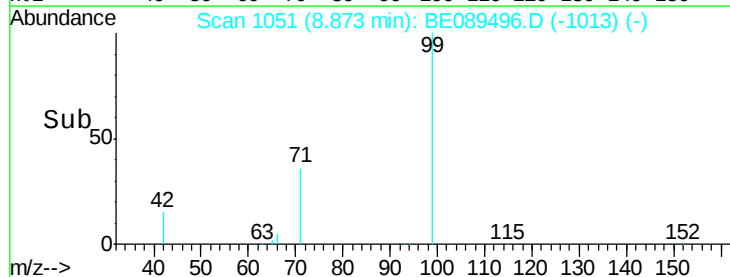
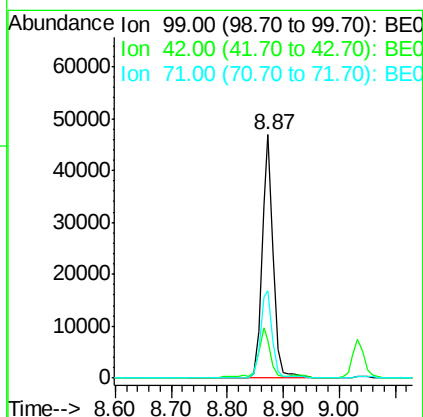
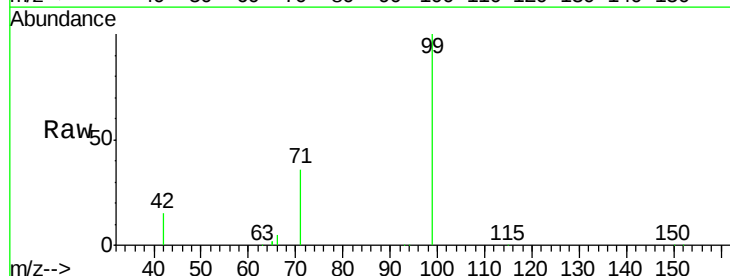
Instrument :
 BNA_E
 ClientSampleId :
 MW-2

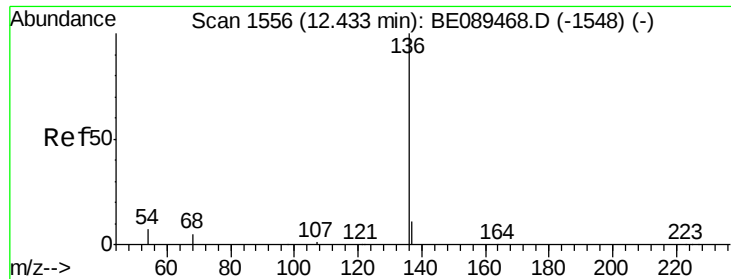
Tgt Ion: 112 Resp: 65026
 Ion Ratio Lower Upper
 112 100
 64 55.8 47.0 70.6
 63 28.5 24.2 36.2



#4
 Phenol-d6
 Concen: 2.12 ng
 RT: 8.87 min Scan# 1051
 Delta R.T. 0.04 min
 Lab File: BE089496.D
 Acq: 4 Feb 2015 14:40

Tgt Ion: 99 Resp: 66157
 Ion Ratio Lower Upper
 99 100
 42 15.5 11.8 17.6
 71 36.1 28.7 43.1





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampled :

MW-2

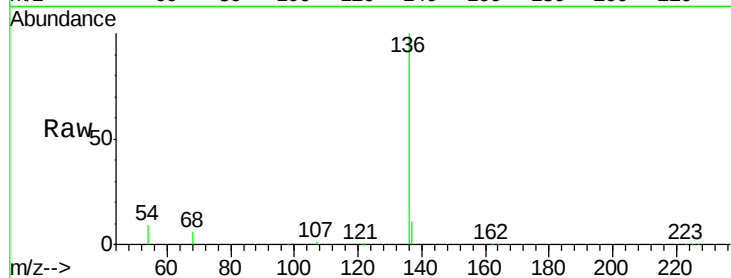
Tgt Ion: 136 Resp: 310712

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

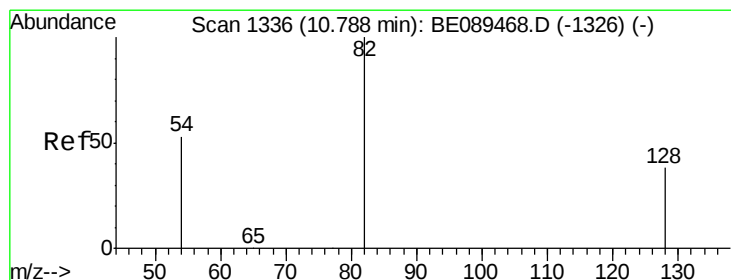
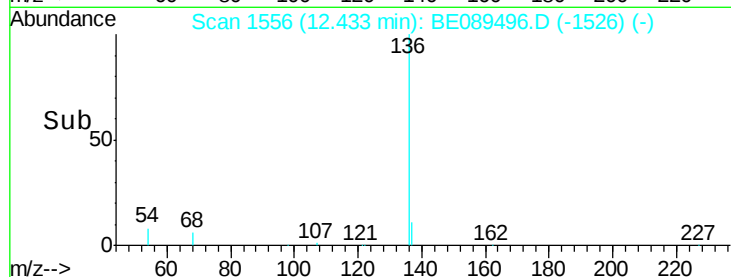
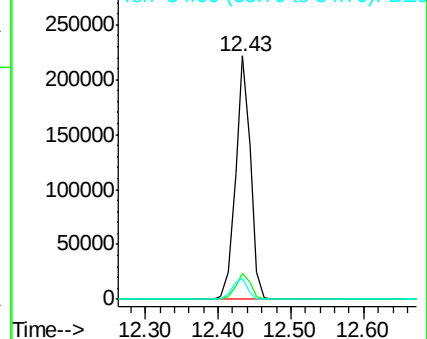
54 8.5 5.4 8.0#



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: 5.34 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

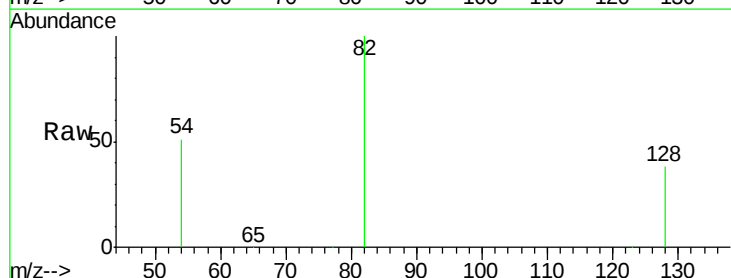
Tgt Ion: 82 Resp: 125479

Ion Ratio Lower Upper

82 100

128 38.5 30.3 45.5

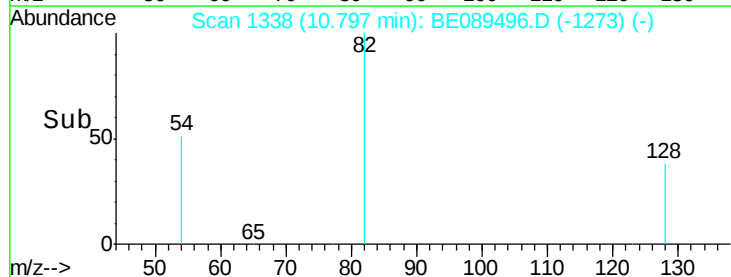
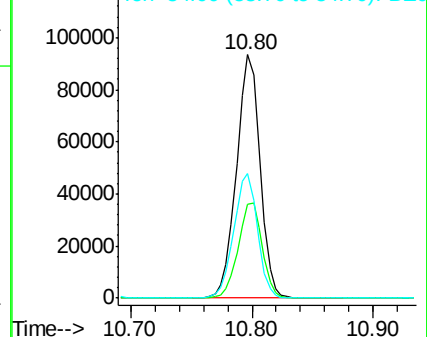
54 51.2 43.1 64.7

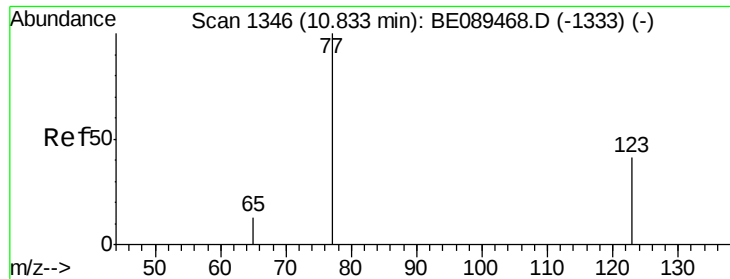


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.02 ng

RT: 10.80 min Scan# 1339

Delta R.T. -0.03 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampleId :

MW-2

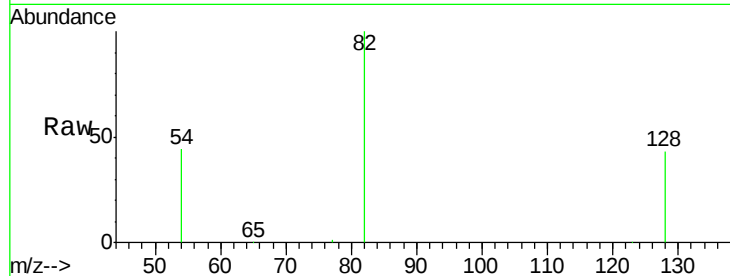
Tgt Ion: 77 Resp: 564

Ion Ratio Lower Upper

77 100

123 0.0 33.4 50.0#

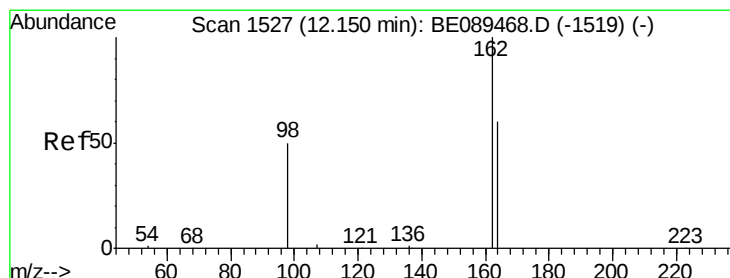
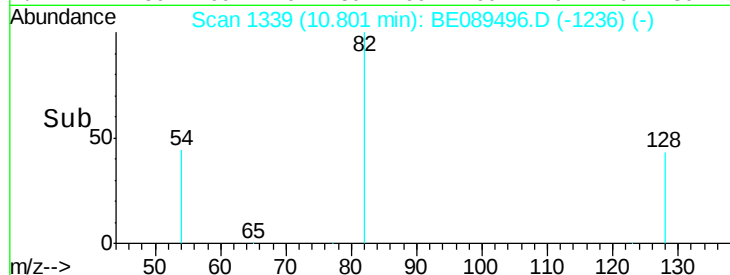
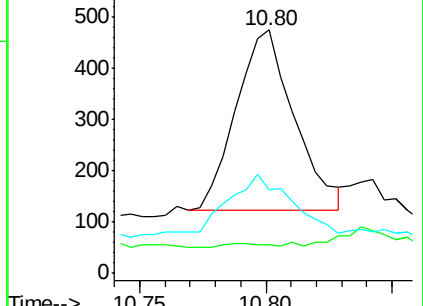
65 31.6 10.9 16.3#



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



#11

2,4-Dichlorophenol

Concen: 0.04 ng

RT: 12.18 min Scan# 1530

Delta R.T. 0.03 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

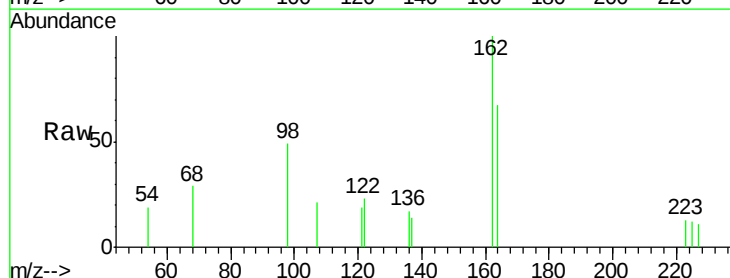
Tgt Ion: 162 Resp: 557

Ion Ratio Lower Upper

162 100

164 67.3 39.9 79.9

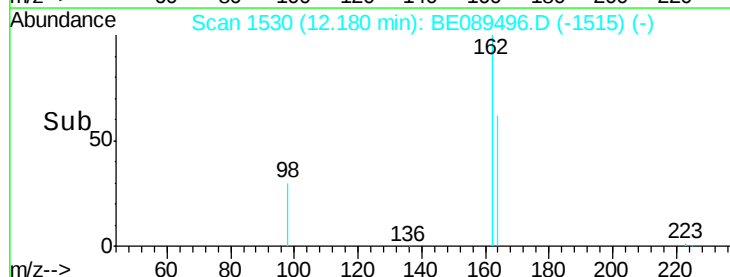
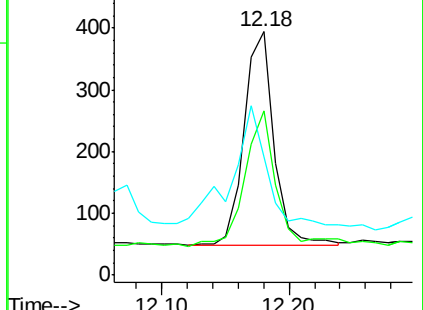
98 48.7 31.3 71.3

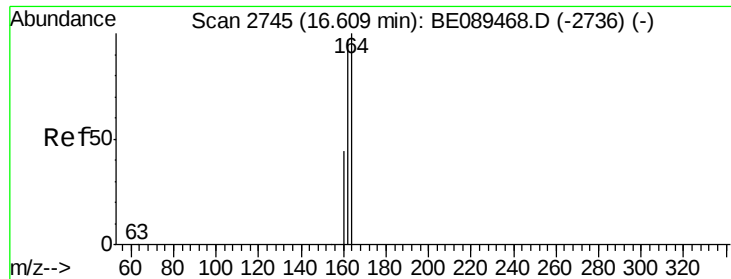


Abundance Ion 162.00 (161.70 to 162.70): BE0

Ion 164.00 (163.70 to 164.70): BE0

Ion 98.00 (97.70 to 98.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampleId :

MW-2

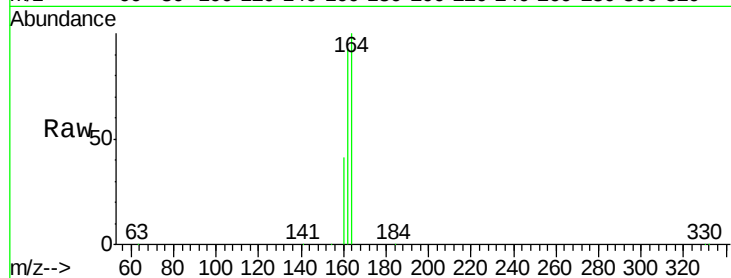
Tgt Ion:164 Resp: 152594

Ion Ratio Lower Upper

164 100

162 92.8 77.6 116.4

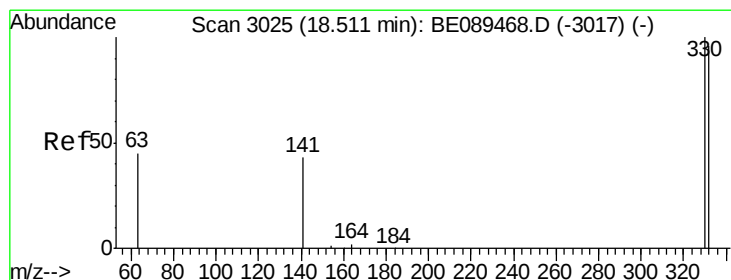
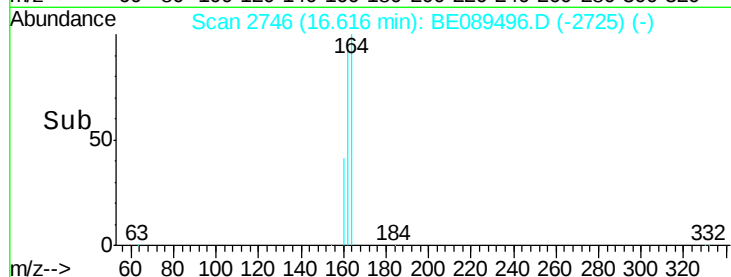
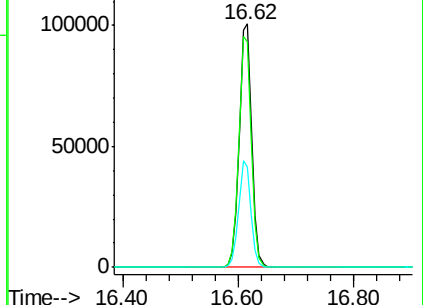
160 41.1 35.6 53.4



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: 5.71 ng

RT: 18.53 min Scan# 3027

Delta R.T. 0.02 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

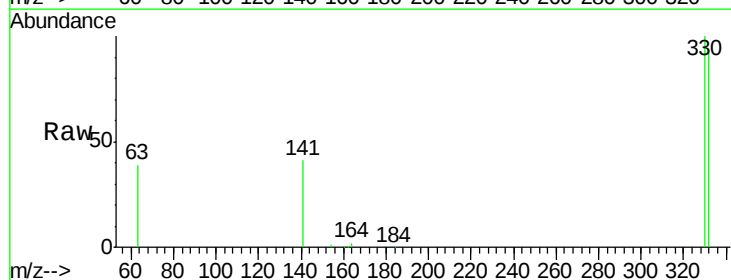
Tgt Ion:330 Resp: 37288

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

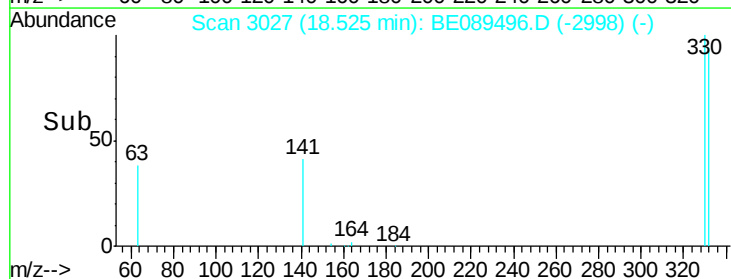
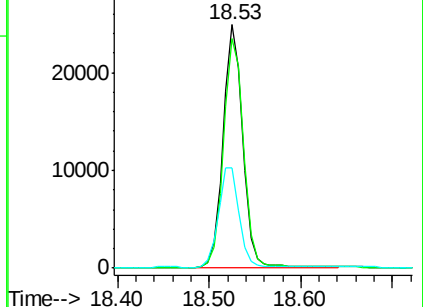
141 43.4 33.8 50.6

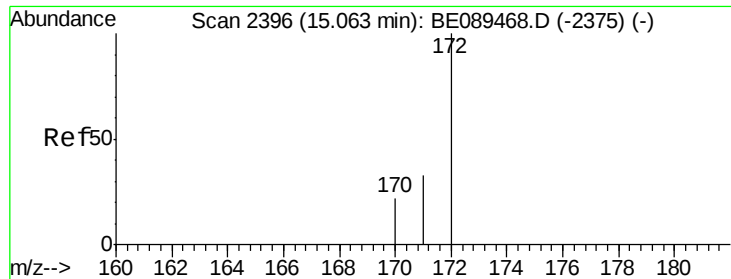


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

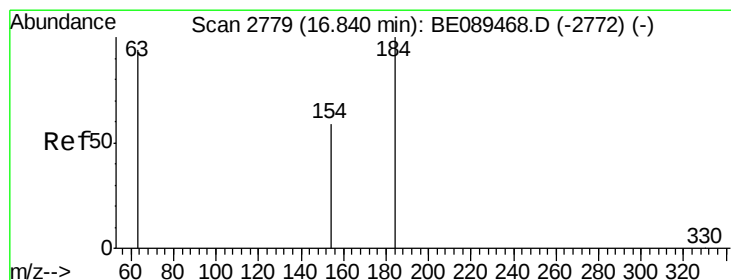
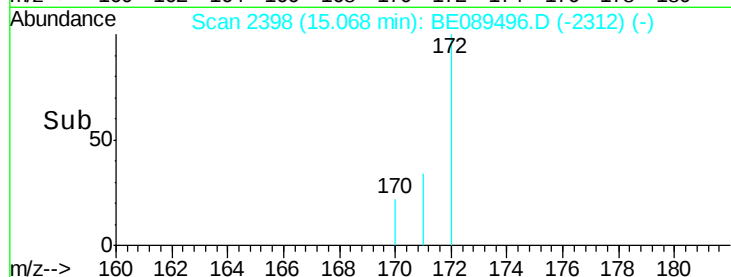
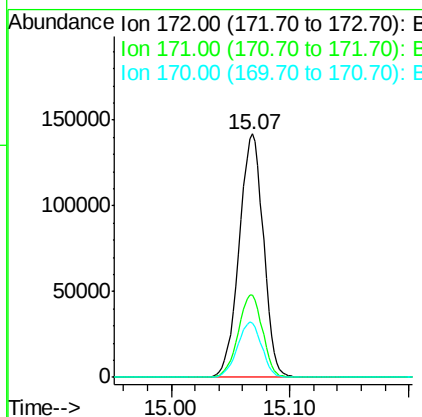
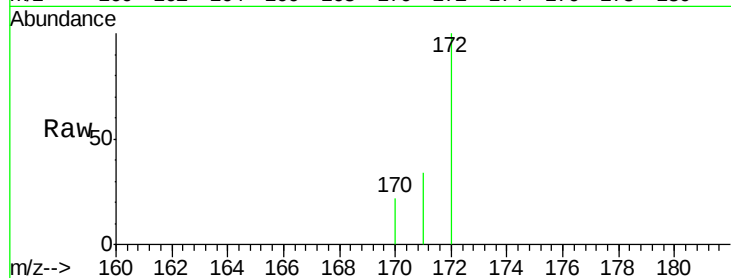




#15
2-Fluorobiphenyl
Concen: 4.98 ng
RT: 15.07 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BE089496.D
Acq: 4 Feb 2015 14:40

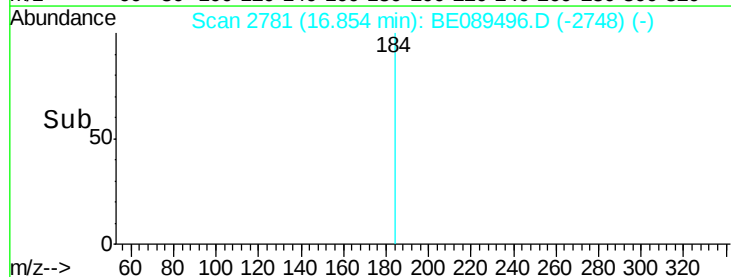
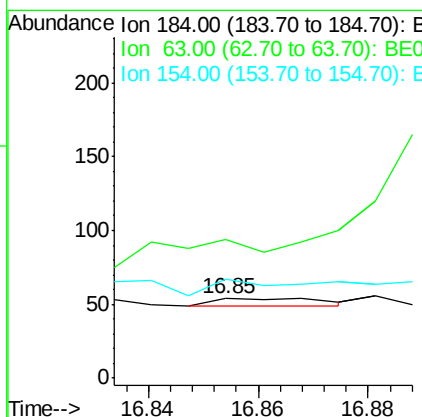
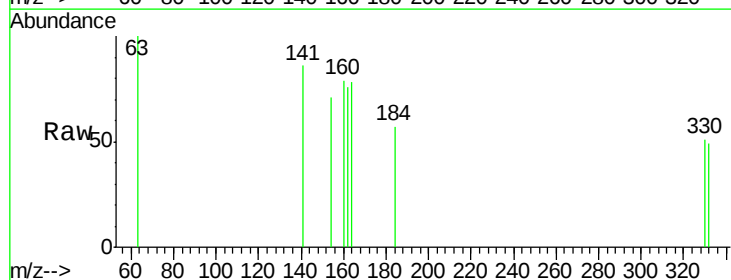
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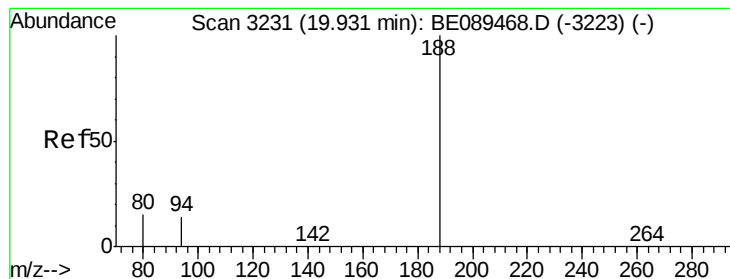
Tgt Ion:172 Resp: 200368
Ion Ratio Lower Upper
172 100
171 34.1 26.8 40.2
170 22.4 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.85 min Scan# 2781
Delta R.T. 0.02 min
Lab File: BE089496.D
Acq: 4 Feb 2015 14:40

Tgt Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 174.1 92.1 138.1#
154 124.1 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: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampled :

MW-2

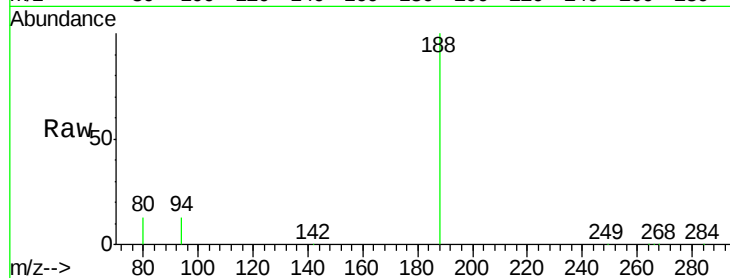
Tgt Ion:188 Resp: 258004

Ion Ratio Lower Upper

188 100

94 12.8 11.1 16.7

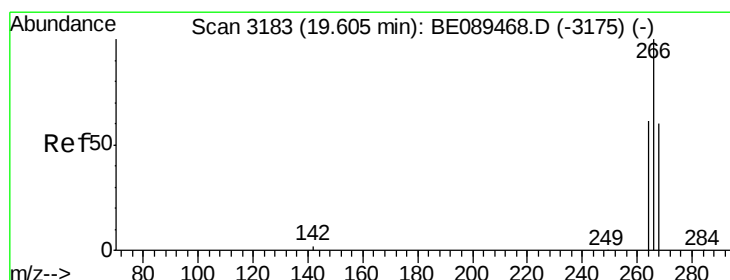
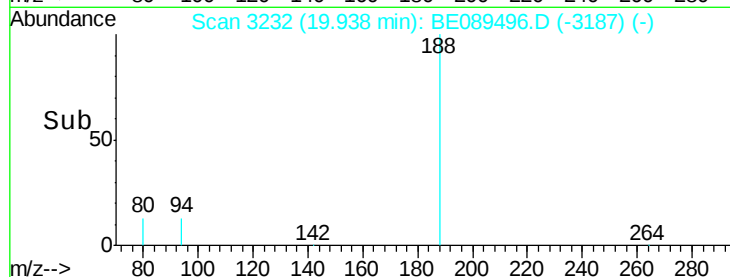
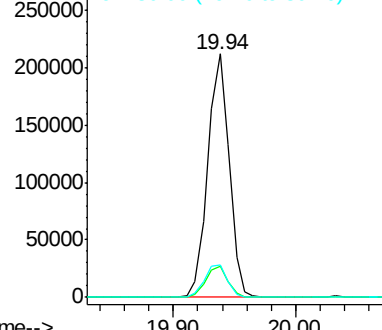
80 13.4 11.8 17.6



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: 0.37 ng

RT: 19.62 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

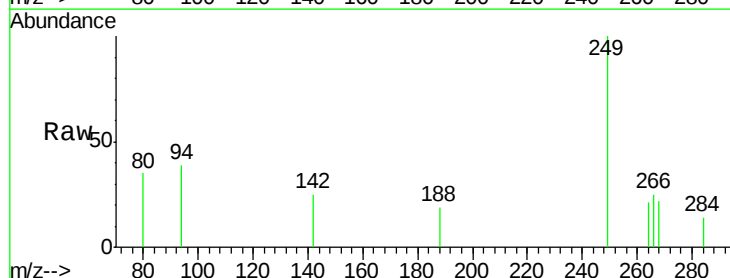
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 85.9 50.0 75.0#

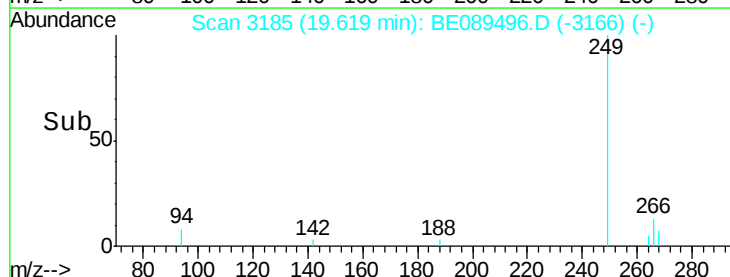
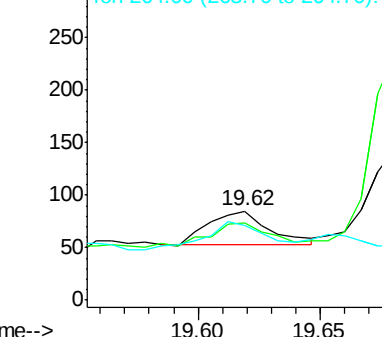
264 83.5 50.6 75.8#

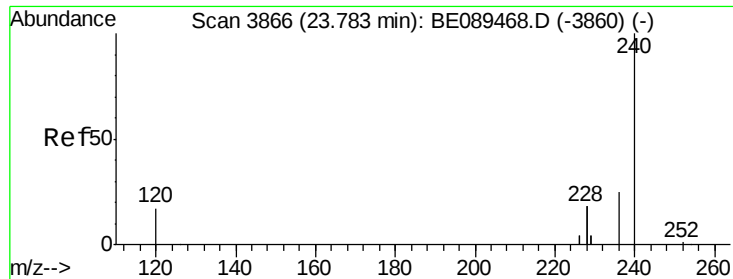


Abundance Ion 265.70 (265.40 to 266.40): E

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# 3867

Delta R.T. 0.01 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampleId :

MW-2

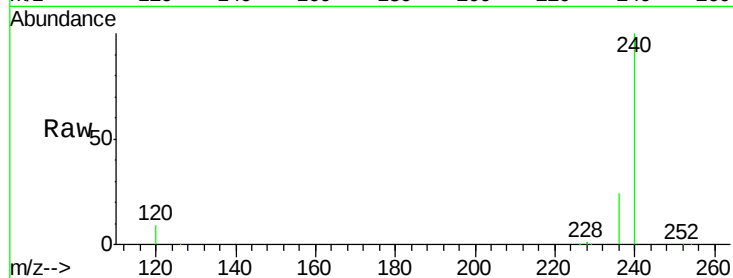
Tgt Ion:240 Resp: 241567

Ion Ratio Lower Upper

240 100

120 8.6 13.8 20.6#

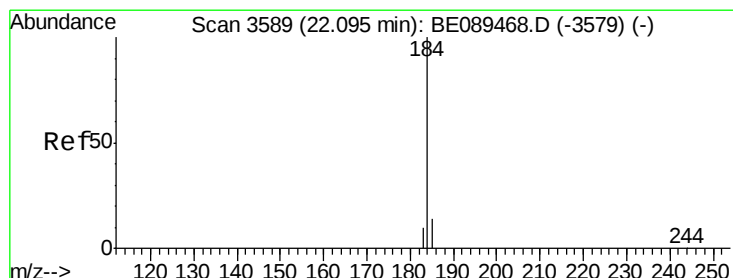
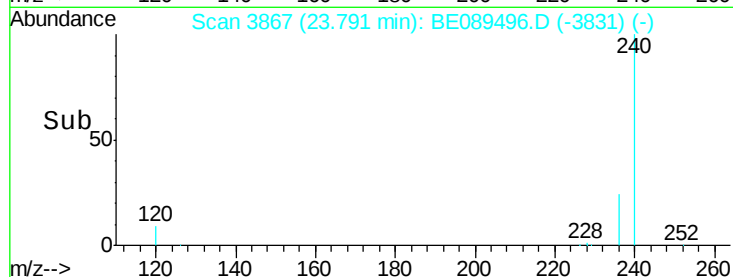
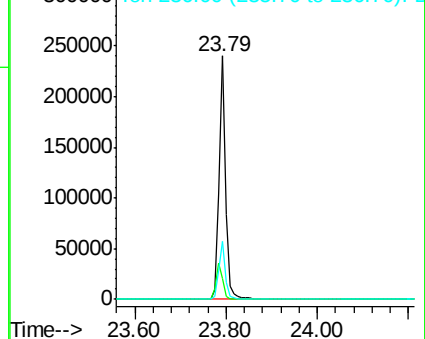
236 23.8 20.2 30.2



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: 0.10 ng

RT: 22.09 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

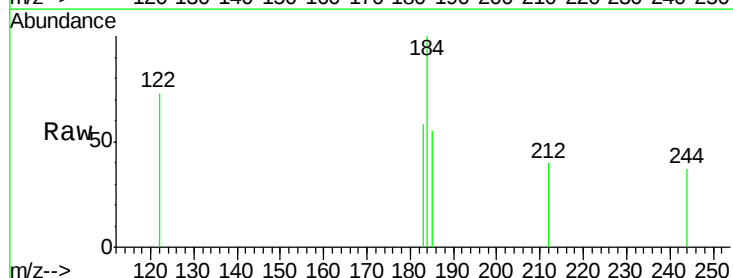
Tgt Ion:184 Resp: 202

Ion Ratio Lower Upper

184 100

185 54.7 12.0 18.0#

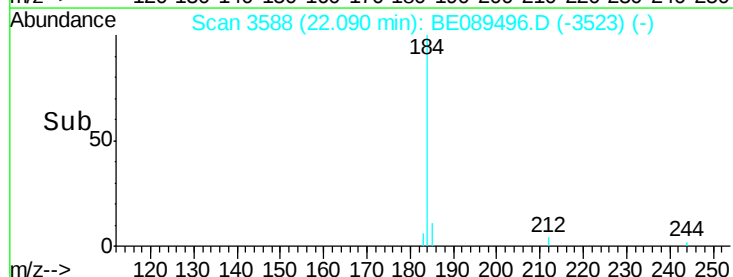
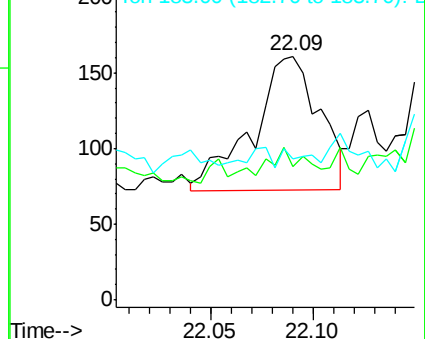
183 57.8 9.0 13.4#

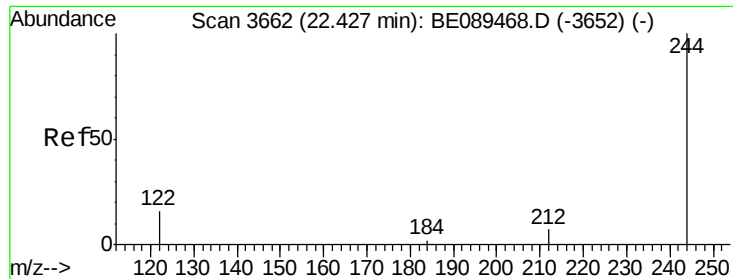


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

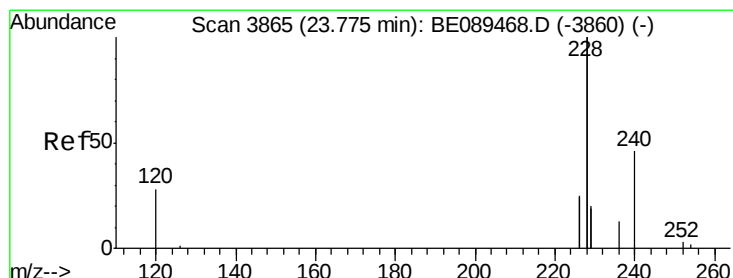
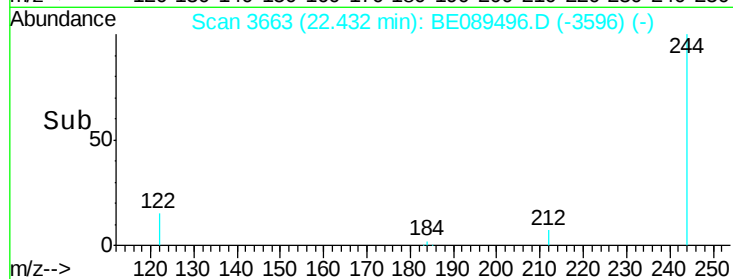
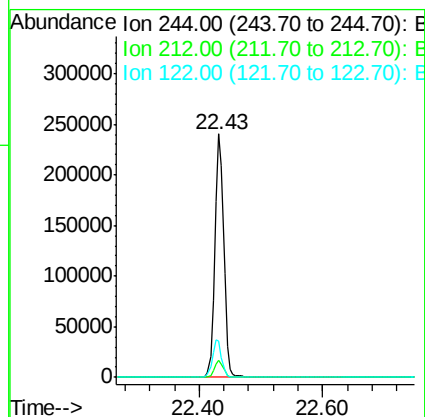
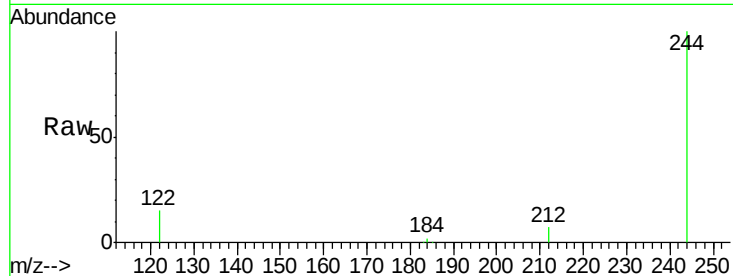




#22
 Terphenyl-d14
 Concen: 7.02 ng
 RT: 22.43 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: BE089496.D
 Acq: 4 Feb 2015 14:40

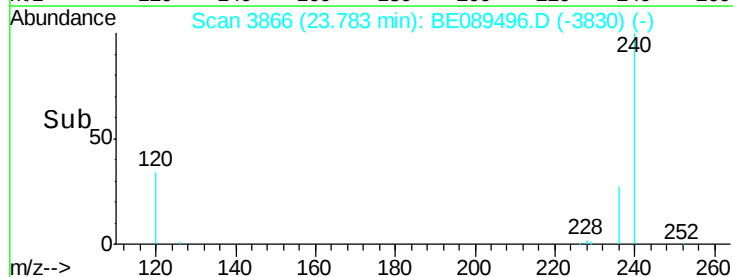
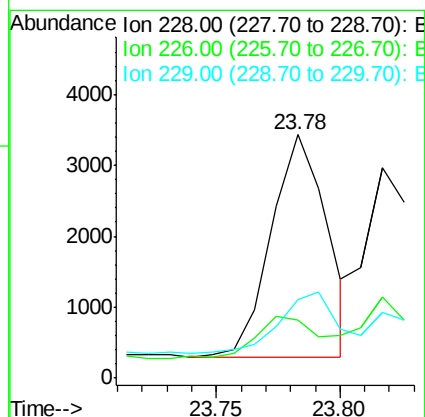
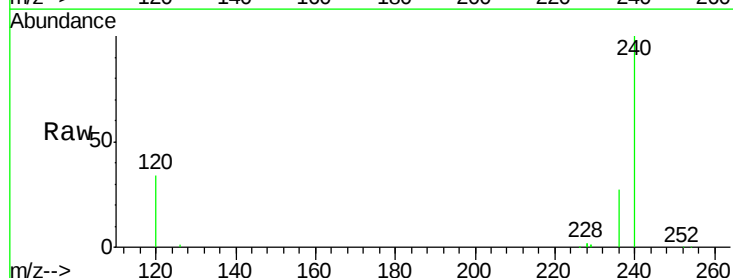
Instrument :
 BNA_E
 ClientSampleId :
 MW-2

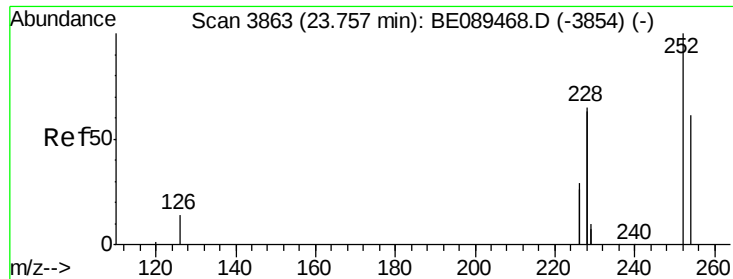
Tgt Ion: 244 Resp: 240353
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 14.8 12.6 19.0



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.78 min Scan# 3866
 Delta R.T. 0.01 min
 Lab File: BE089496.D
 Acq: 4 Feb 2015 14:40

Tgt Ion: 228 Resp: 4940
 Ion Ratio Lower Upper
 228 100
 226 23.8 19.6 29.4
 229 32.2 15.9 23.9#

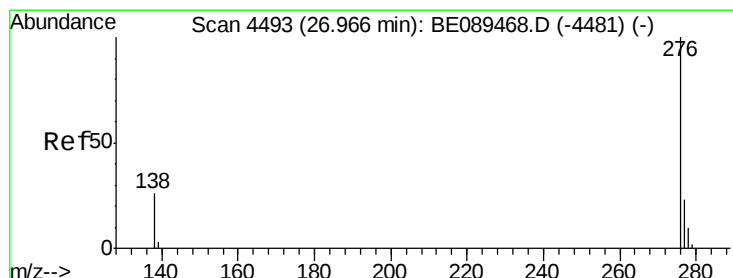
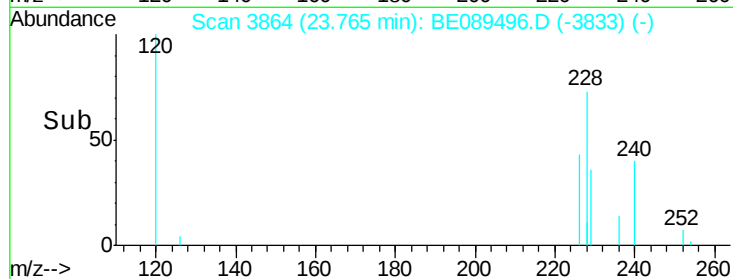
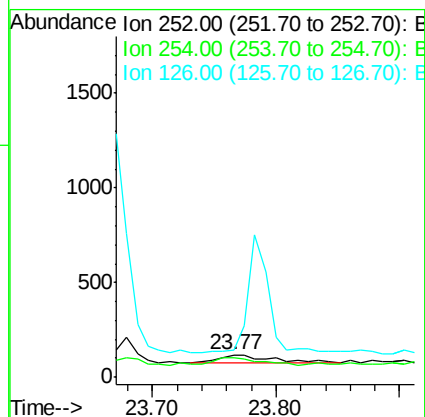
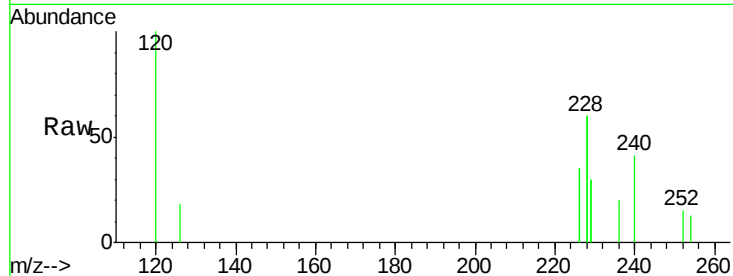




#24
 3,3'-Dichlorobenzidine
 Concen: 0.12 ng
 RT: 23.77 min Scan# 3864
 Delta R.T. 0.01 min
 Lab File: BE089496.D
 Acq: 4 Feb 2015 14:40

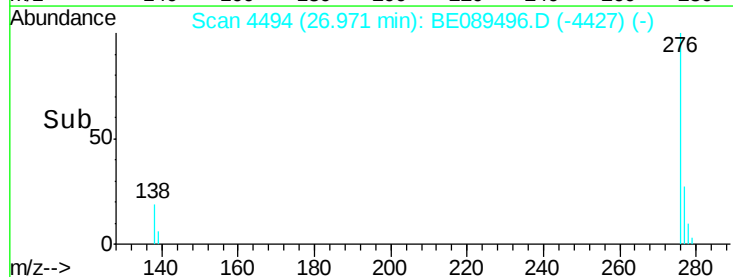
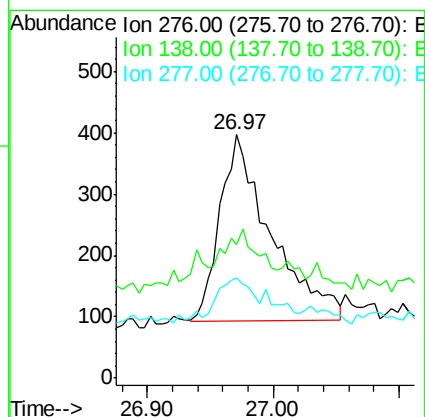
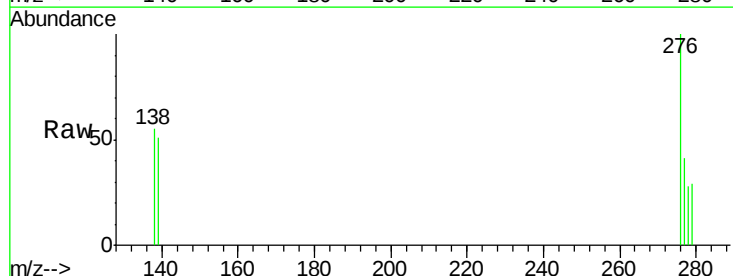
Instrument :
 BNA_E
 ClientSampleId :
 MW-2

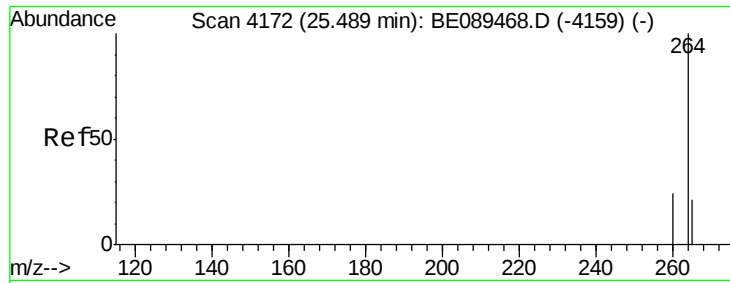
Tgt Ion: 252 Resp: 135
 Ion Ratio Lower Upper
 252 100
 254 85.6 48.6 73.0#
 126 122.0 12.4 18.6#



#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.15 ng
 RT: 26.97 min Scan# 4494
 Delta R.T. 0.01 min
 Lab File: BE089496.D
 Acq: 4 Feb 2015 14:40

Tgt Ion: 276 Resp: 855
 Ion Ratio Lower Upper
 276 100
 138 12.7 24.2 36.4#
 277 17.9 19.9 29.9#

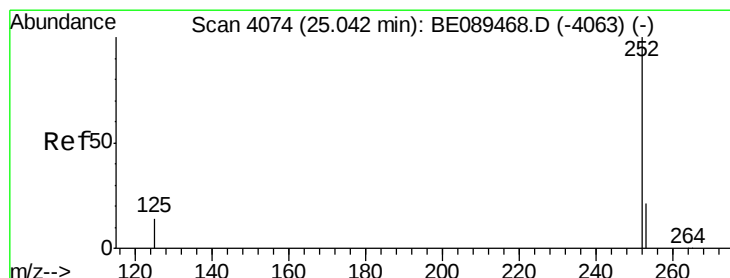
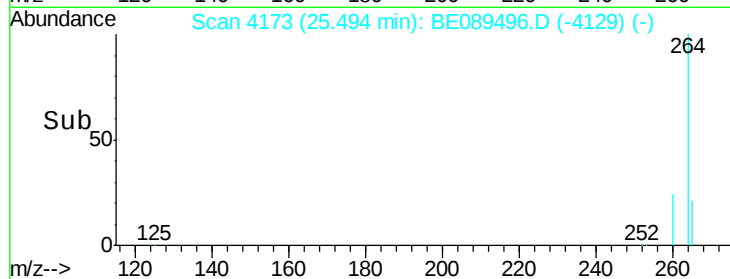
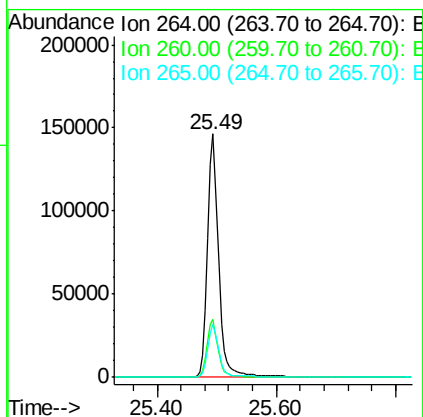
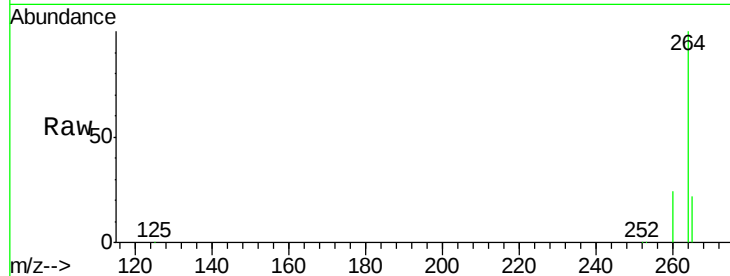




#27
Perylene-d12
Concen: 5.00 ng
RT: 25.49 min Scan# 4173
Delta R.T. 0.01 min
Lab File: BE089496.D
Acq: 4 Feb 2015 14:40

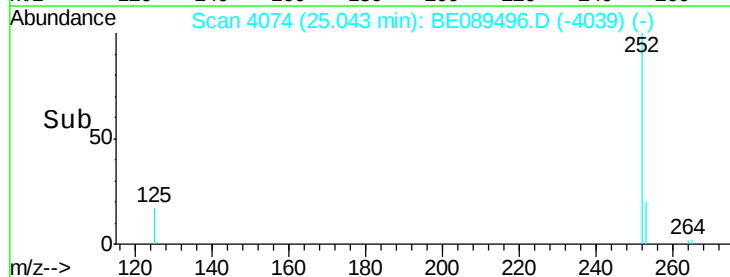
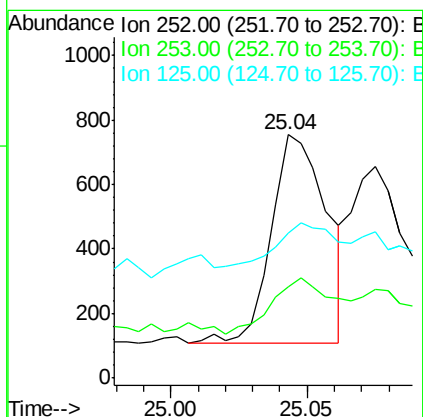
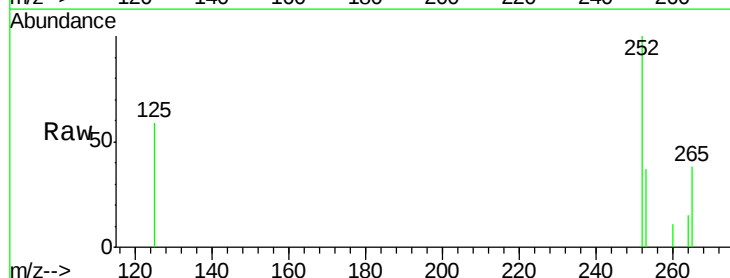
Instrument :
BNA_E
ClientSampleId :
MW-2

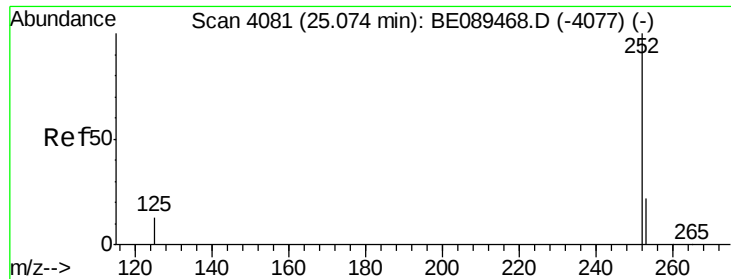
Tgt Ion: 264 Resp: 190512
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 21.6 17.0 25.6



#28
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 25.04 min Scan# 4074
Delta R.T. 0.00 min
Lab File: BE089496.D
Acq: 4 Feb 2015 14:40

Tgt Ion: 252 Resp: 911
Ion Ratio Lower Upper
252 100
253 37.5 17.4 26.2#
125 59.3 11.3 16.9#





#29

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 25.07 min Scan# 4081

Delta R.T. 0.00 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampleId :

MW-2

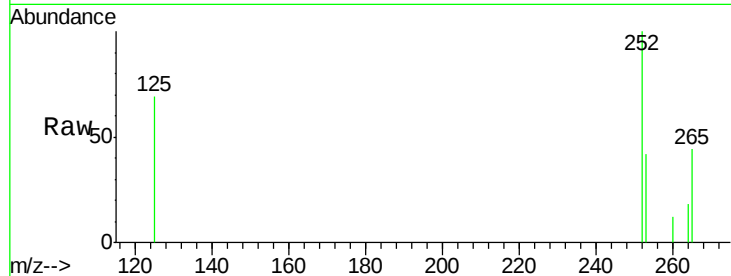
Tgt Ion: 252 Resp: 996

Ion Ratio Lower Upper

252 100

253 41.7 17.9 26.9#

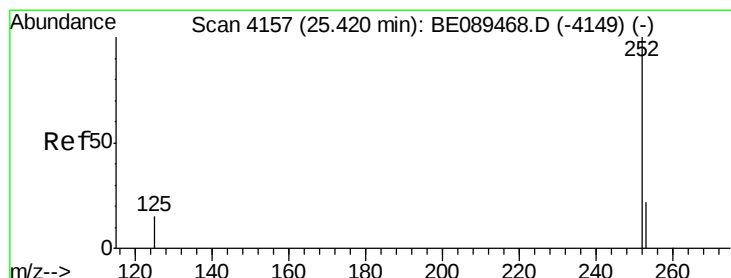
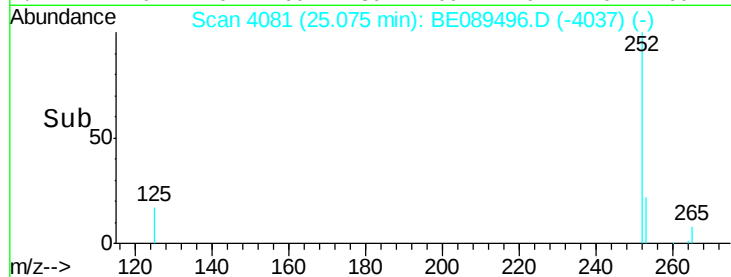
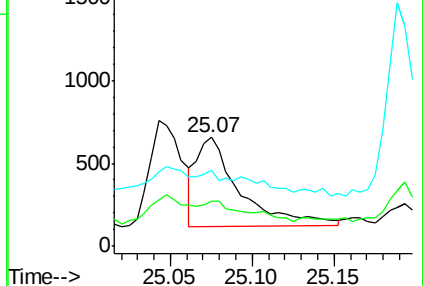
125 69.1 10.6 15.8#



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: 25.43 min Scan# 4158

Delta R.T. 0.01 min

Lab File: BE089496.D

Acq: 4 Feb 2015 14:40

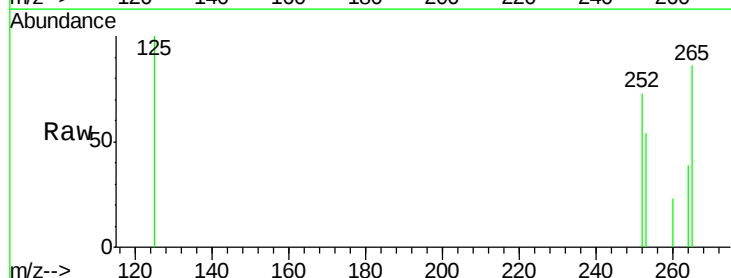
Tgt Ion: 252 Resp: 349

Ion Ratio Lower Upper

252 100

253 74.5 18.2 27.2#

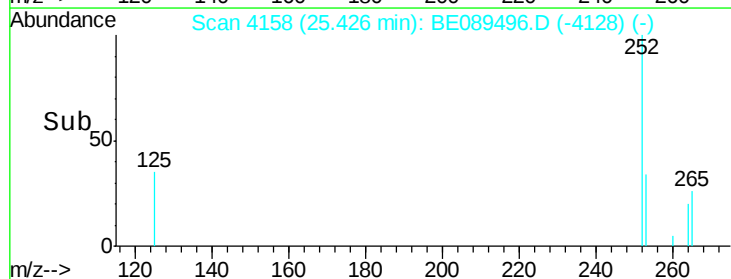
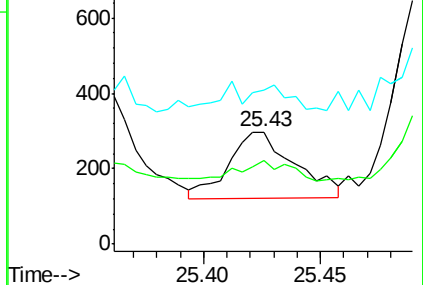
125 136.9 12.2 18.4#

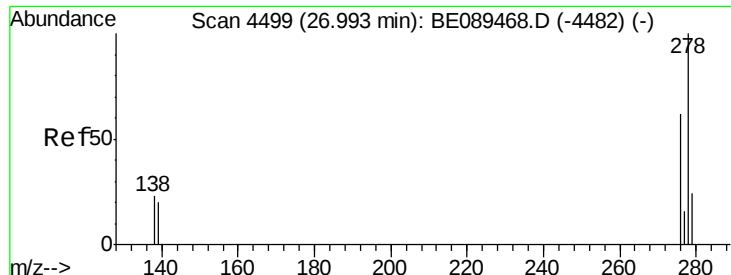


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.16 ng

RT: 27.00 min Scan# 4500

Delta R.T. 0.01 min

Lab File: BE089496.D

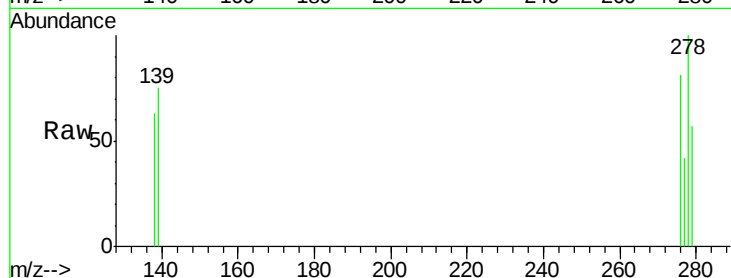
Acq: 4 Feb 2015 14:40

Instrument :

BNA_E

ClientSampleId :

MW-2



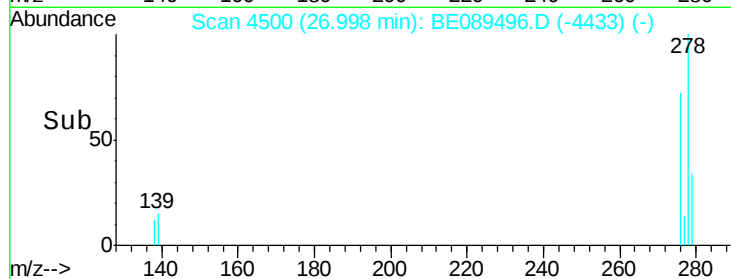
Tgt Ion: 278 Resp: 480

Ion Ratio Lower Upper

278 100

139 74.8 16.8 25.2#

279 56.6 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

