

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089476.D
 Acq On : 3 Feb 2015 22:50
 Operator : TP/IZ
 Sample : G1110-07MS
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

Quant Time: Feb 04 02:37:34 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	258678	5.00	ng	0.00
7) Naphthalene-d8	12.44	136	1024842	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	480826	5.00	ng	0.01
17) Phenanthrene-d10	19.94	188	803552	5.00	ng	0.01
20) Chrysene-d12	23.80	240	690438	5.00	ng	0.02
27) Perylene-d12	25.50	264	670968	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.72	112	277890	3.32	ng	0.00
4) Phenol-d6	8.85	99	238825	2.27	ng	0.00
8) Nitrobenzene-d5	10.80	82	569730	7.35	ng	0.02
14) 2,4,6-Tribromophenol	18.53	330	216468	10.38	ng	0.02
15) 2-Fluorobiphenyl	15.07	172	883271	6.97	ng	0.01
22) Terphenyl-d14	22.44	244	1018086	10.40	ng	0.01

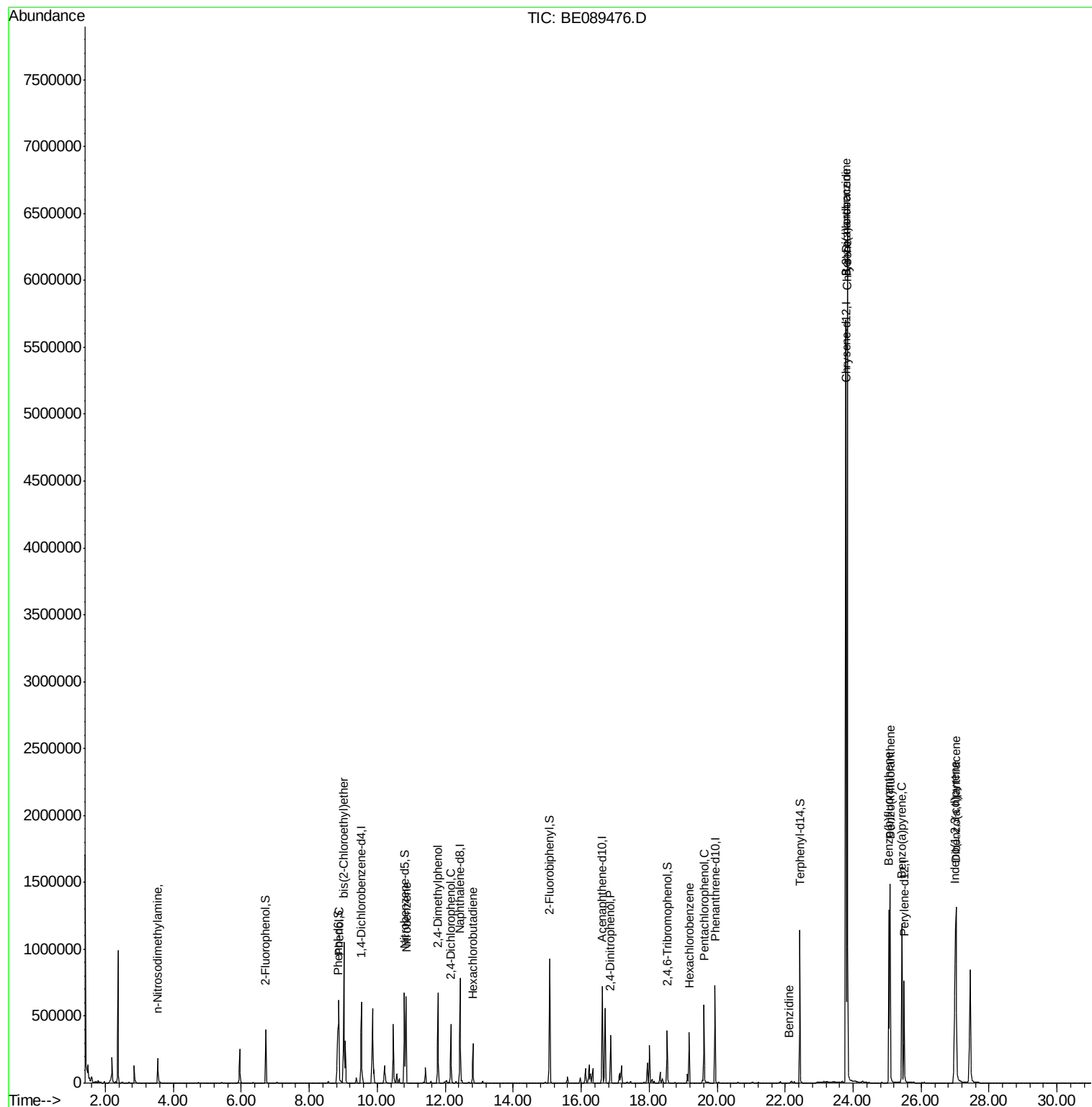
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.53	42	118525	2.31	ng	# 69
5) Phenol	8.87	94	244337	2.13	ng	# 20
6) bis(2-Chloroethyl)ether	9.01	93	486643	5.85	ng	# 97
9) Nitrobenzene	10.85	77	603904	6.81	ng	99
10) 2,4-Dimethylphenol	11.79	122	383873	5.99	ng	94
11) 2,4-Dichlorophenol	12.17	162	322804	6.81	ng	84
12) Hexachlorobutadiene	12.81	225	179284	5.66	ng	99
16) 2,4-Dinitrophenol	16.87	184	220300	16.56	ng	84
18) Hexachlorobenzene	19.18	284	330623	7.95	ng	95
19) Pentachlorophenol	19.62	266	360760	16.93	ng	99
21) Benzidine	22.11	184	55	0.09	ng	# 1
23) Benzo(a)anthracene	23.78	228	5491392	8.95	ng	95
24) 3,3'-Dichlorobenzidine	23.77	252	11028	0.31	ng	# 26
25) Chrysene	23.84	228	4883049	7.64	ng	100
26) Indeno(1,2,3-cd)pyrene	27.00	276	1614064	8.92	ng	99
28) Benzo(b)fluoranthene	25.06	252	1289973	8.39	ng	98
29) Benzo(k)fluoranthene	25.09	252	1363365	7.84	ng	98
30) Benzo(a)pyrene	25.44	252	1287288	8.57	ng	97
31) Dibenzo(a,h)anthracene	27.03	278	1411591	8.87	ng	97

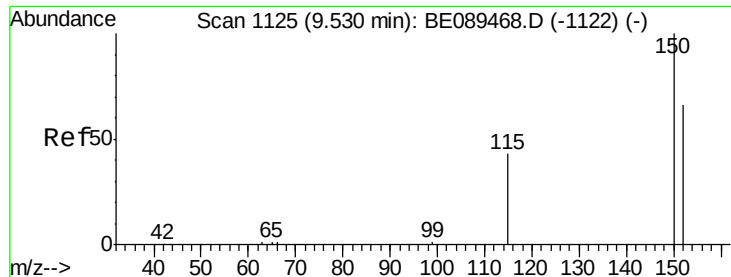
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
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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: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

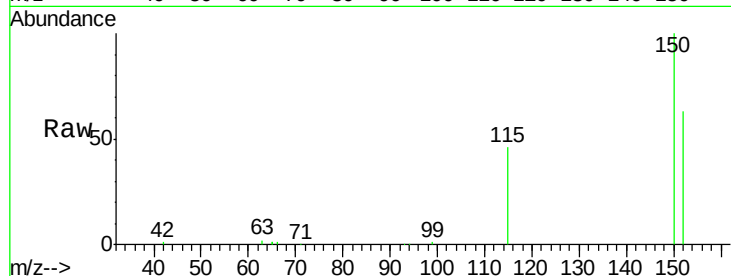
Tgt Ion: 152 Resp: 258678

Ion Ratio Lower Upper

152 100

150 159.6 122.1 183.1

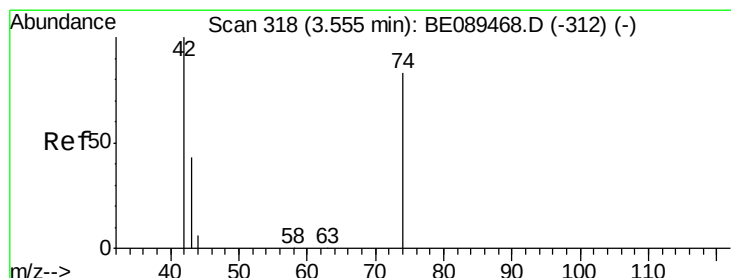
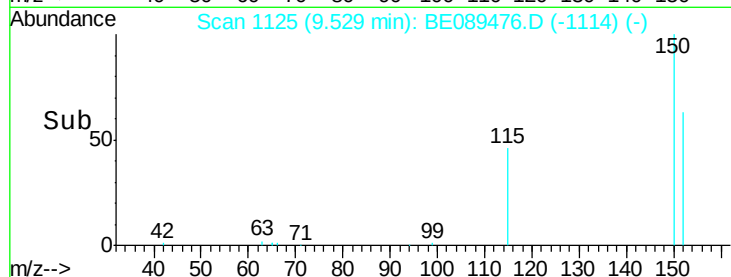
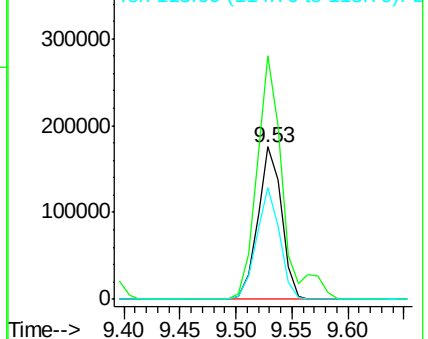
115 73.0 53.2 79.8



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: 2.31 ng

RT: 3.53 min Scan# 315

Delta R.T. -0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

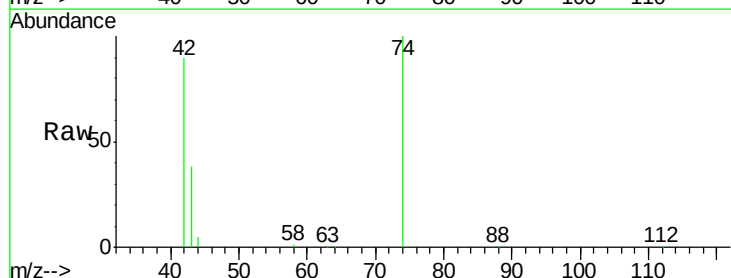
Tgt Ion: 42 Resp: 118525

Ion Ratio Lower Upper

42 100

74 110.6 65.4 98.2#

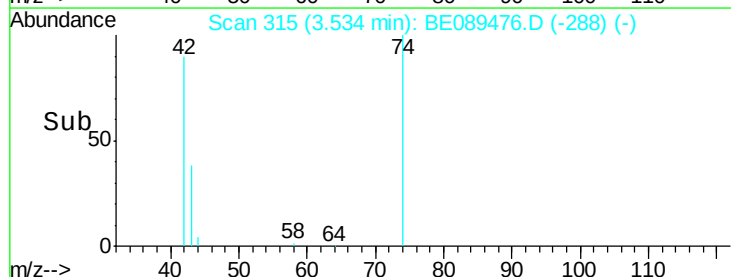
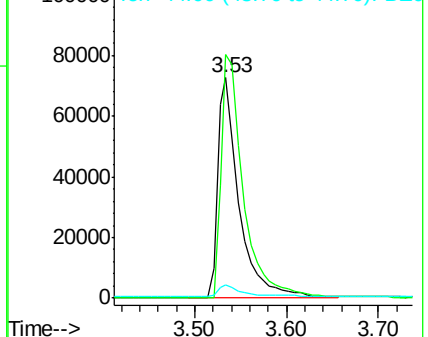
44 5.9 11.7 17.5#

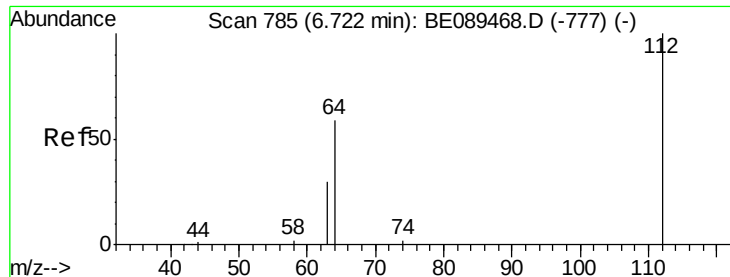


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

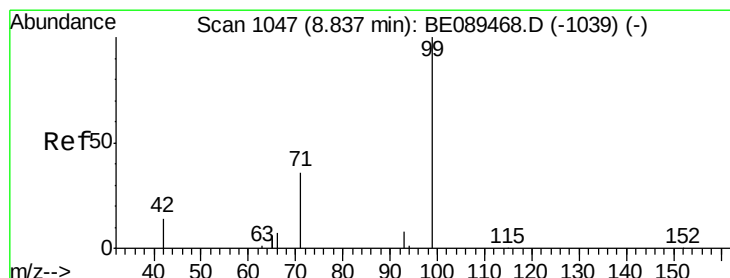
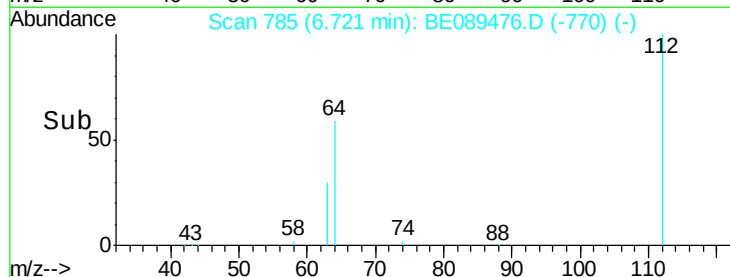
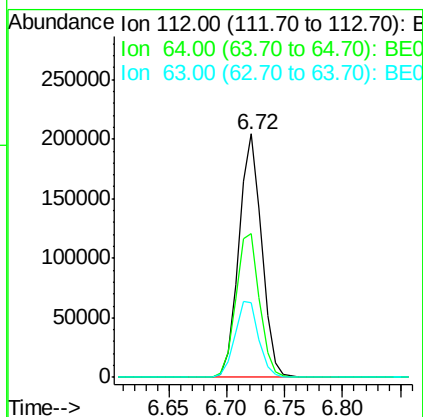
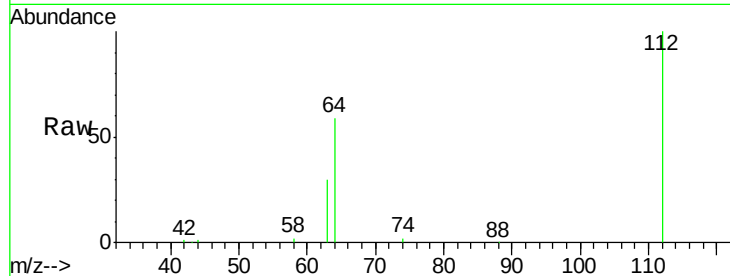




#3
 2-Fluorophenol
 Concen: 3.32 ng
 RT: 6.72 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

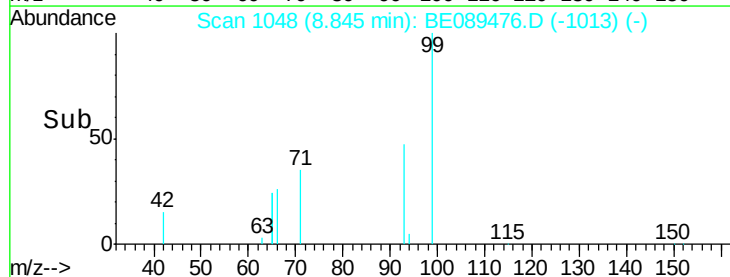
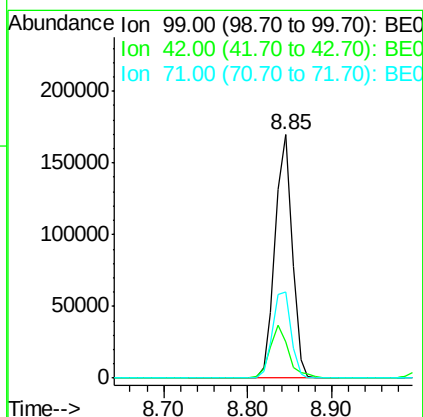
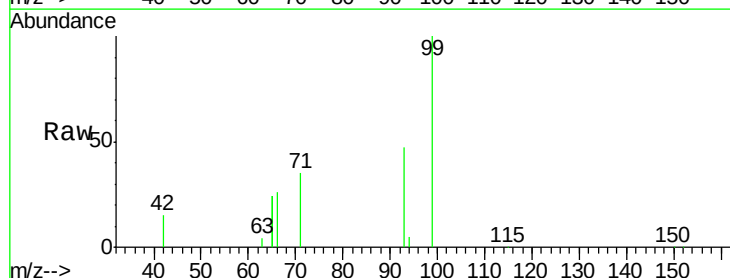
Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

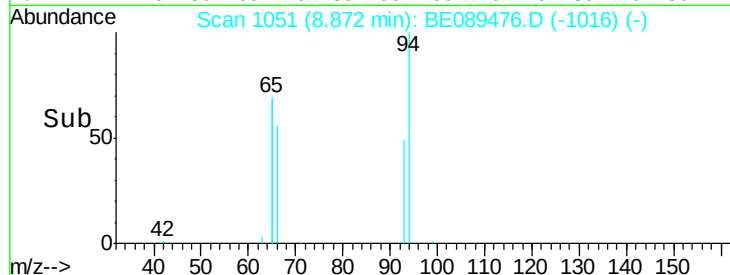
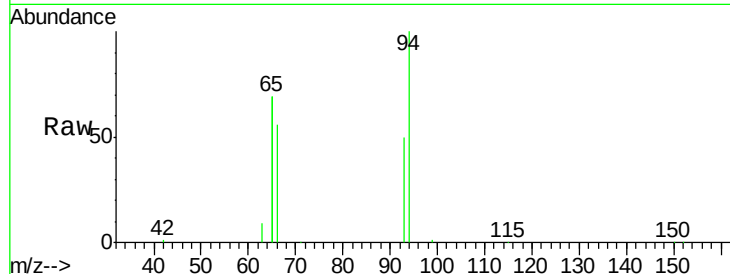
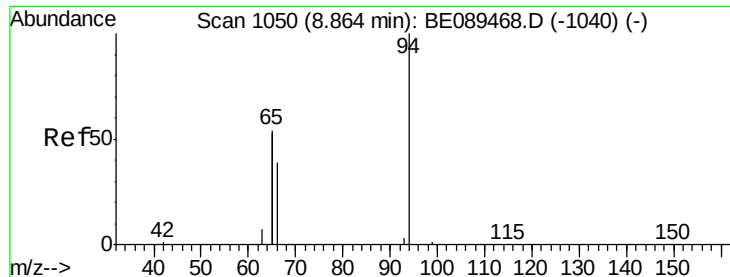
Tgt Ion: 112 Resp: 277890
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.0 70.6
 63 30.5 24.2 36.2



#4
 Phenol-d6
 Concen: 2.27 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

Tgt Ion: 99 Resp: 238825
 Ion Ratio Lower Upper
 99 100
 42 15.1 11.8 17.6
 71 35.2 28.7 43.1





#5

Phenol

Concen: 2.13 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

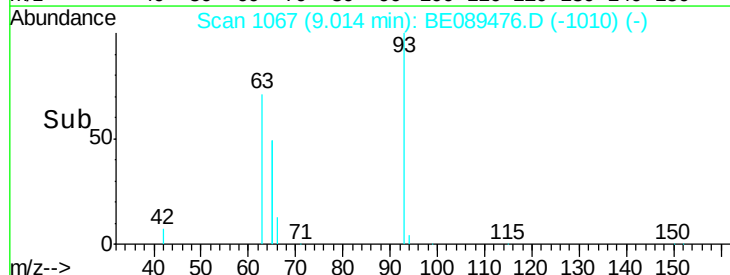
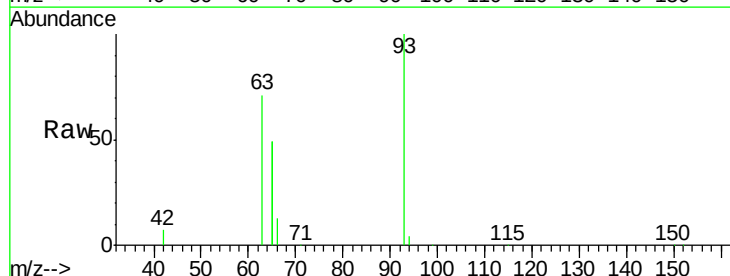
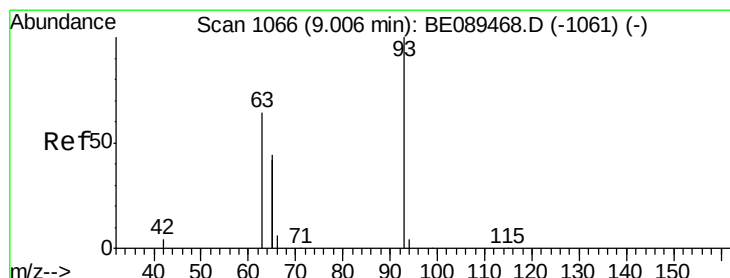
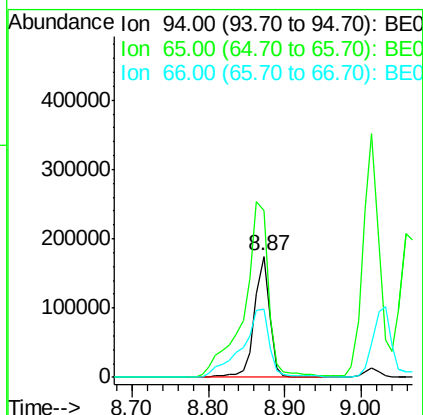
Tgt Ion: 94 Resp: 244337

Ion Ratio Lower Upper

94 100

65 137.9 33.9 73.9#

66 56.3 19.1 59.1



#6

bis(2-Chloroethyl)ether

Concen: 5.85 ng

RT: 9.01 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

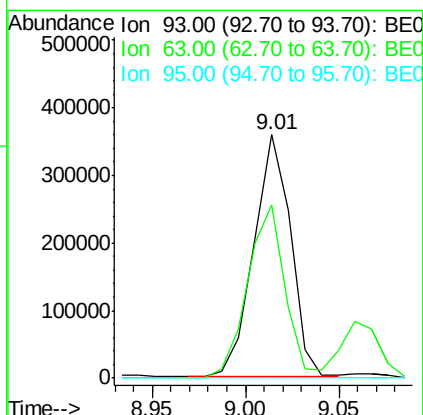
Tgt Ion: 93 Resp: 486643

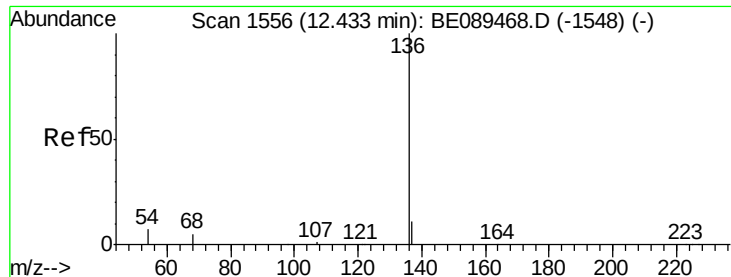
Ion Ratio Lower Upper

93 100

63 73.5 57.0 85.6

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.44 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

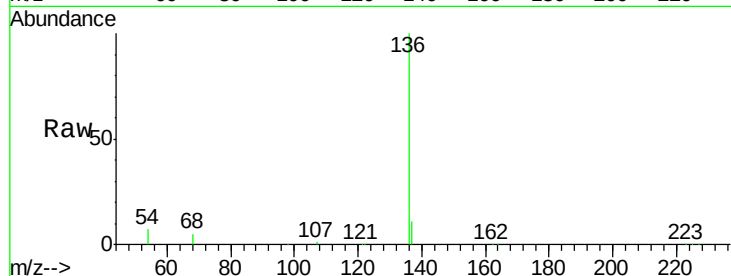
Tgt Ion:136 Resp: 1024842

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 6.7 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

800000

600000

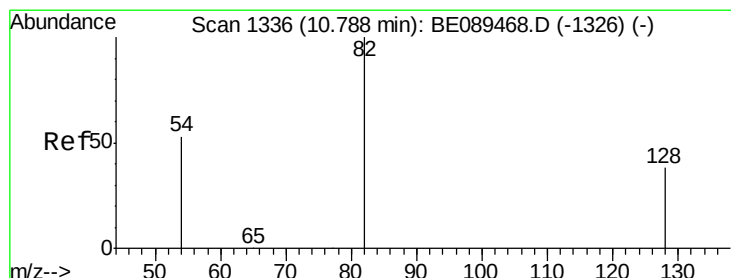
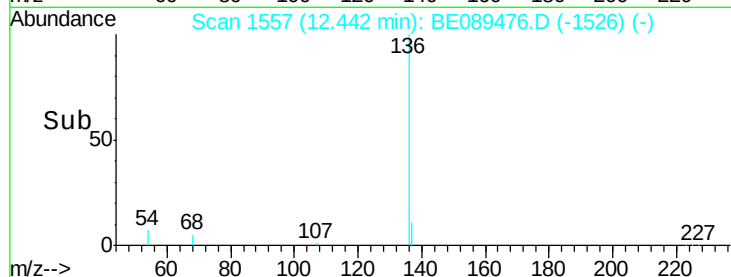
400000

200000

0

12.30 12.40 12.50 12.60

Time-->



#8

Nitrobenzene-d5

Concen: 7.35 ng

RT: 10.80 min Scan# 1339

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

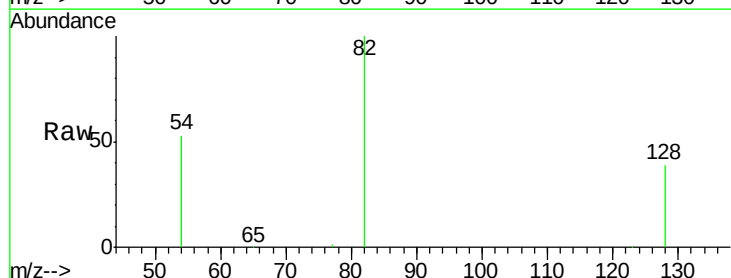
Tgt Ion: 82 Resp: 569730

Ion Ratio Lower Upper

82 100

128 38.9 30.3 45.5

54 52.7 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

400000

300000

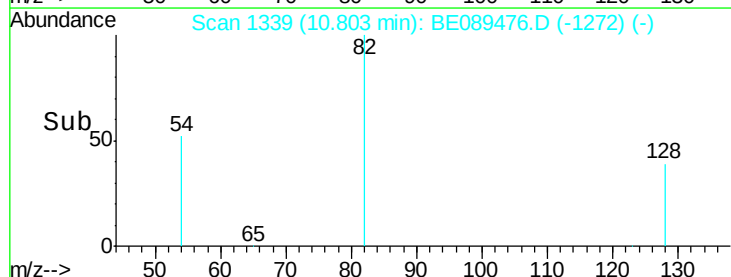
200000

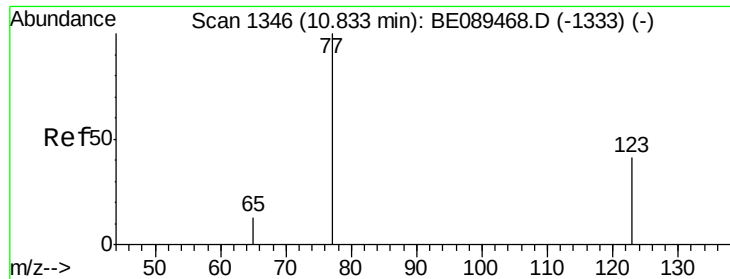
100000

0

10.70 10.80 10.90

Time-->





#9

Nitrobenzene

Concen: 6.81 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

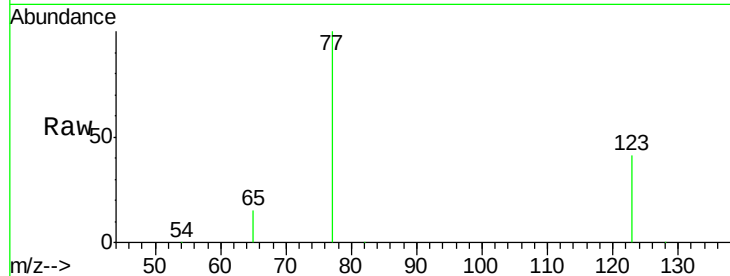
Tgt Ion: 77 Resp: 603904

Ion Ratio Lower Upper

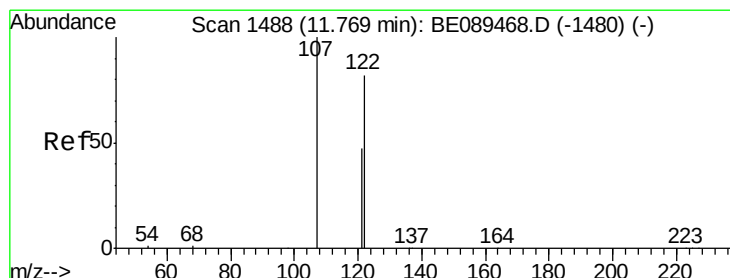
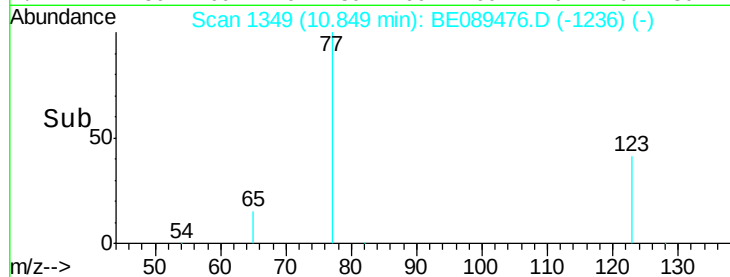
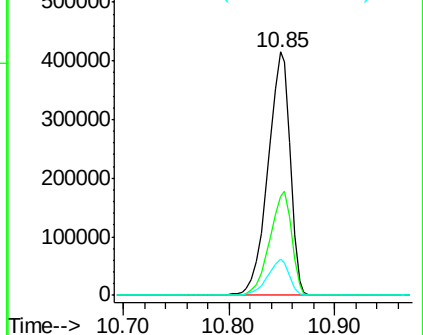
77 100

123 42.3 33.4 50.0

65 14.4 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: 5.99 ng

RT: 11.79 min Scan# 1490

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

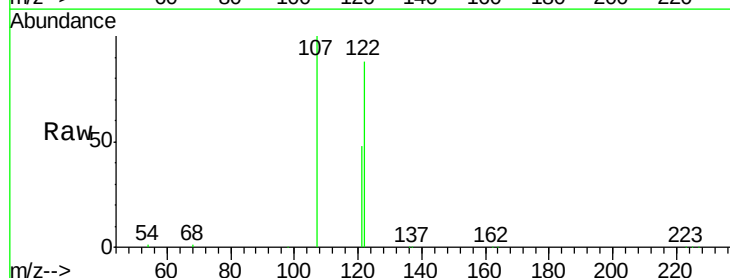
Tgt Ion: 122 Resp: 383873

Ion Ratio Lower Upper

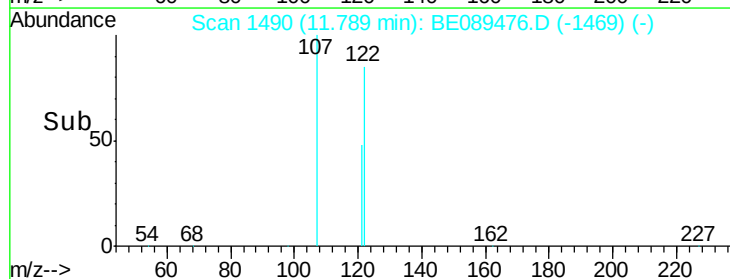
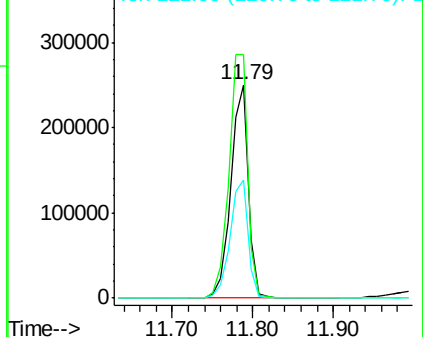
122 100

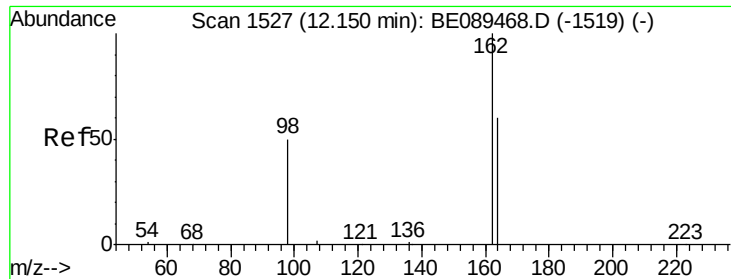
107 114.2 97.3 145.9

121 55.3 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

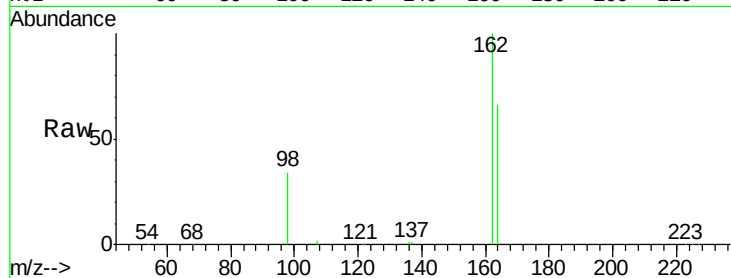




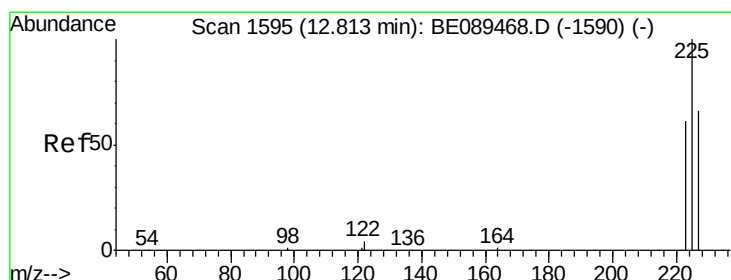
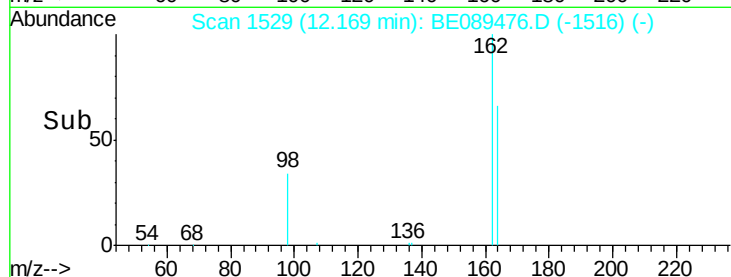
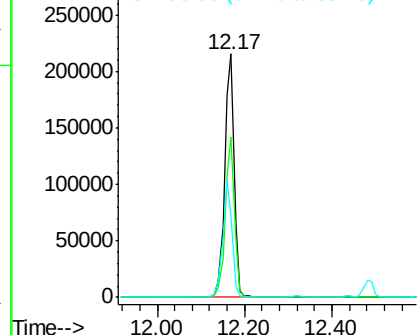
#11
 2,4-Dichlorophenol
 Concen: 6.81 ng
 RT: 12.17 min Scan# 1529
 Delta R.T. 0.02 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

Instrument :
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 MW-48MS

Tgt Ion:162 Resp: 322804
 Ion Ratio Lower Upper
 162 100
 164 65.6 39.9 79.9
 98 33.7 31.3 71.3

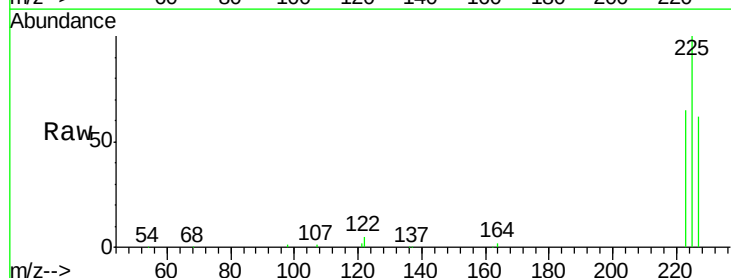


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BE0

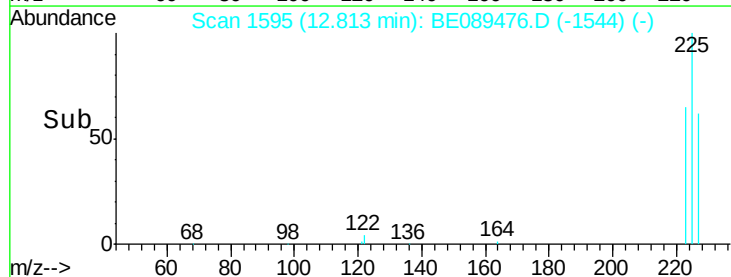
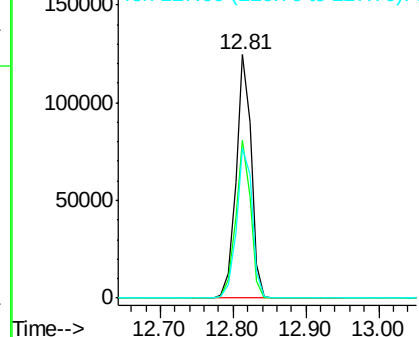


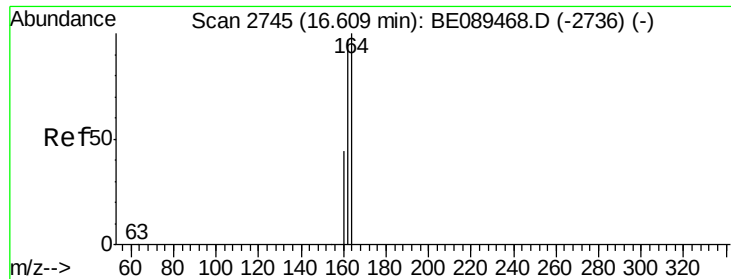
#12
 Hexachlorobutadiene
 Concen: 5.66 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

Tgt Ion:225 Resp: 179284
 Ion Ratio Lower Upper
 225 100
 223 63.4 49.4 74.0
 227 63.6 51.2 76.8



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

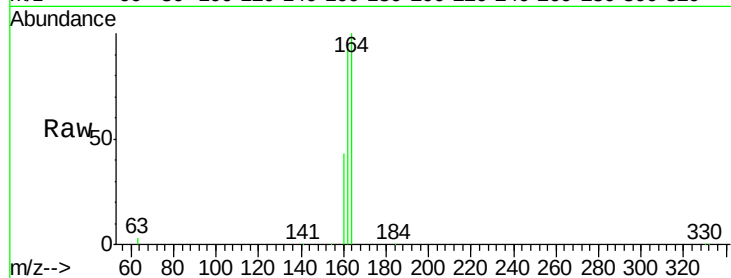
Tgt Ion:164 Resp: 480826

Ion Ratio Lower Upper

164 100

162 94.9 77.6 116.4

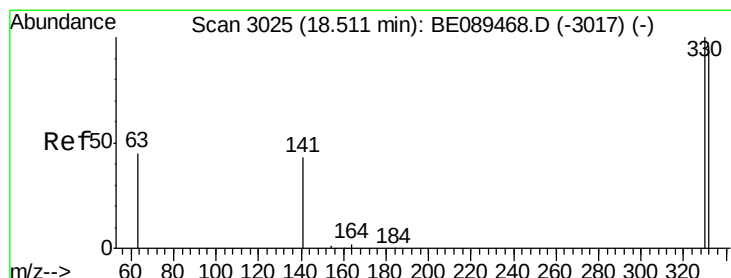
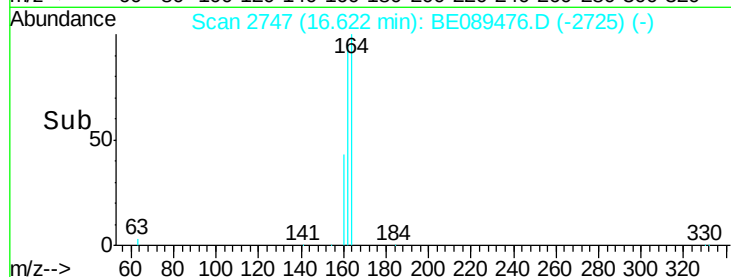
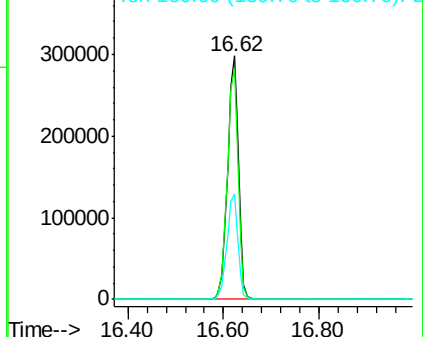
160 43.1 35.6 53.4



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: 10.38 ng

RT: 18.53 min Scan# 3028

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

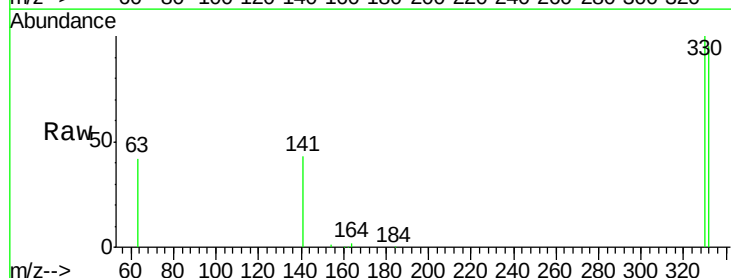
Tgt Ion:330 Resp: 216468

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

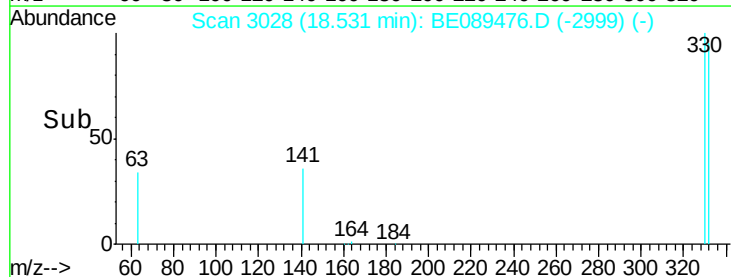
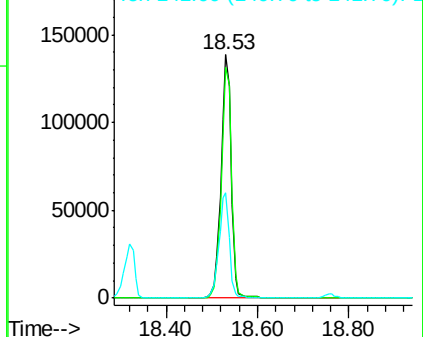
141 44.2 33.8 50.6

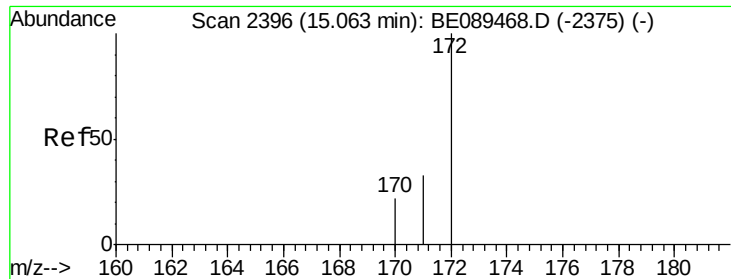


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

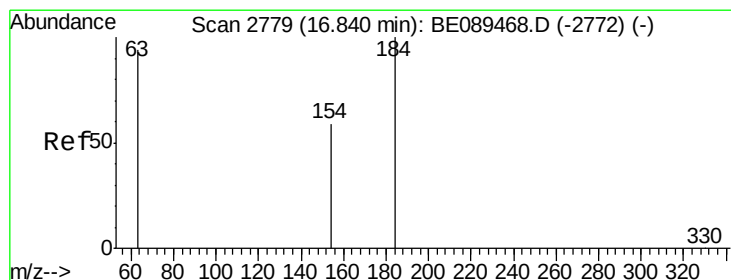
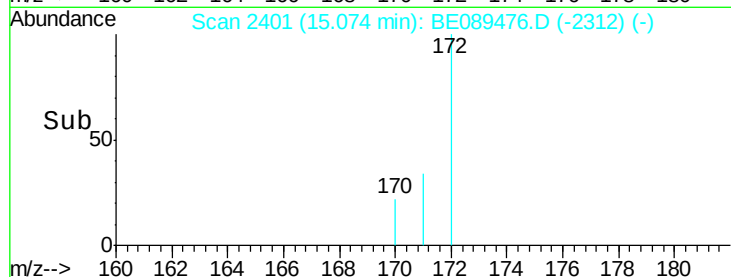
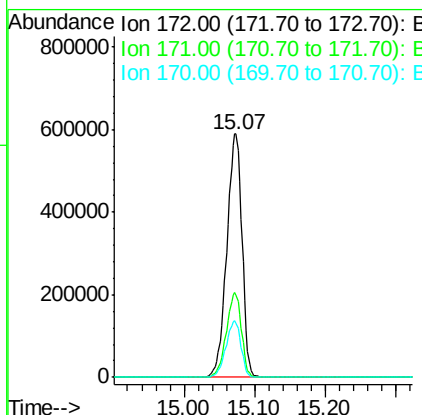
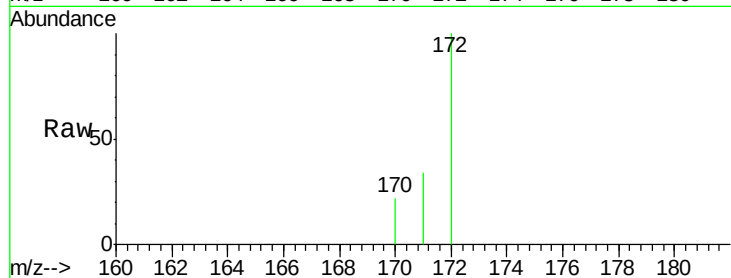




#15
2-Fluorobiphenyl
Concen: 6.97 ng
RT: 15.07 min Scan# 2401
Delta R.T. 0.01 min
Lab File: BE089476.D
Acq: 3 Feb 2015 22:50

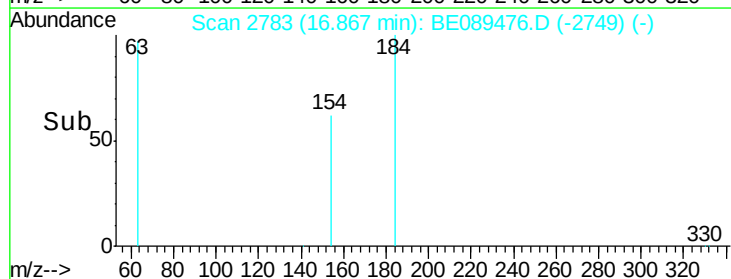
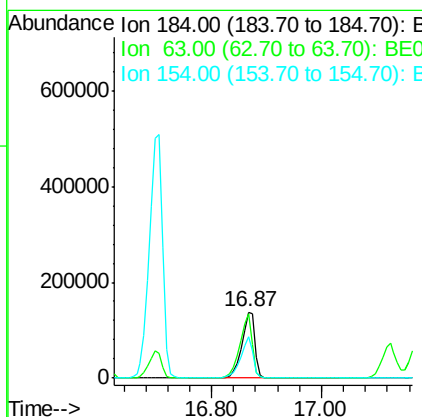
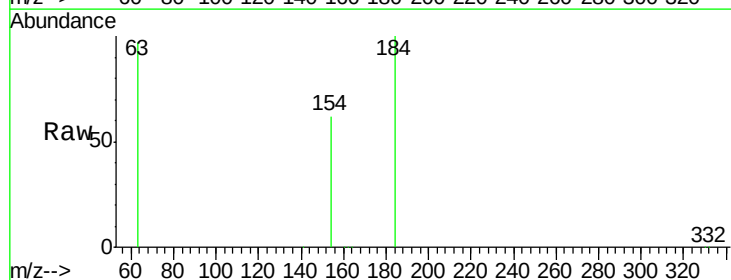
Instrument :
BNA_E
ClientSampleId :
MW-48MS

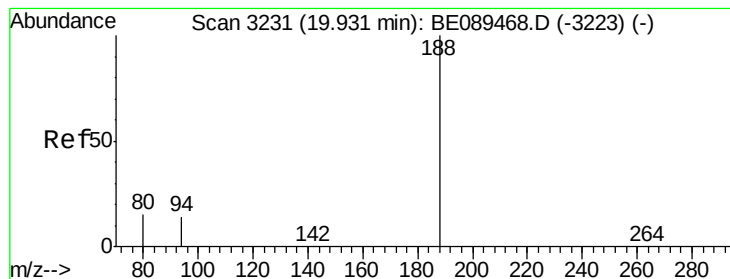
Tgt Ion:172 Resp: 883271
Ion Ratio Lower Upper
172 100
171 33.9 26.8 40.2
170 22.3 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 16.56 ng
RT: 16.87 min Scan# 2783
Delta R.T. 0.03 min
Lab File: BE089476.D
Acq: 3 Feb 2015 22:50

Tgt Ion:184 Resp: 220300
Ion Ratio Lower Upper
184 100
63 97.4 92.1 138.1
154 62.4 61.4 92.2





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.94 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

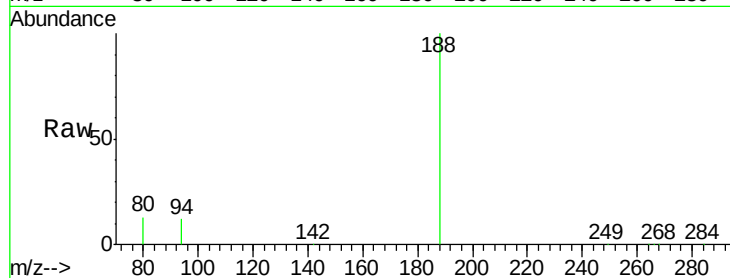
Tgt Ion:188 Resp: 803552

Ion Ratio Lower Upper

188 100

94 12.3 11.1 16.7

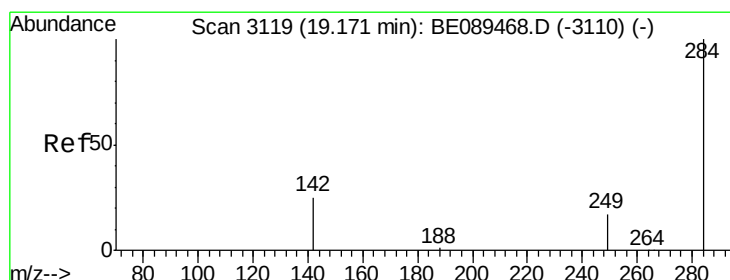
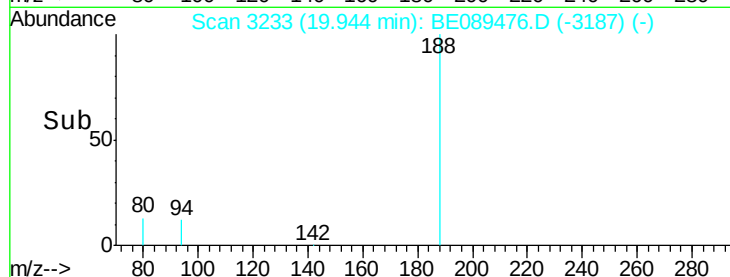
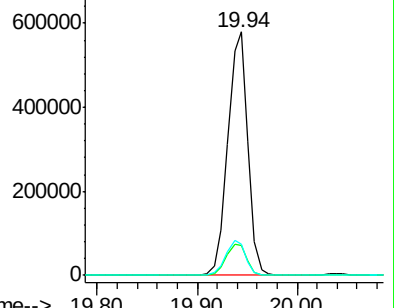
80 12.9 11.8 17.6



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



#18

Hexachlorobenzene

Concen: 7.95 ng

RT: 19.18 min Scan# 3121

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

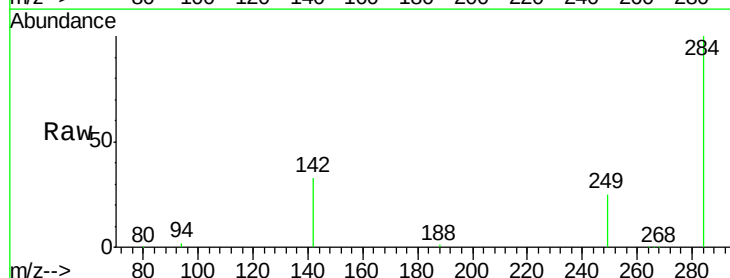
Tgt Ion:284 Resp: 330623

Ion Ratio Lower Upper

284 100

142 33.4 24.4 36.6

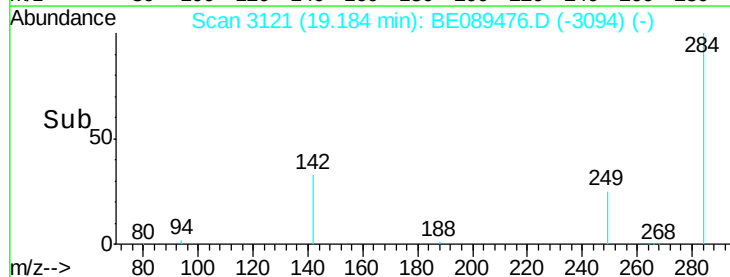
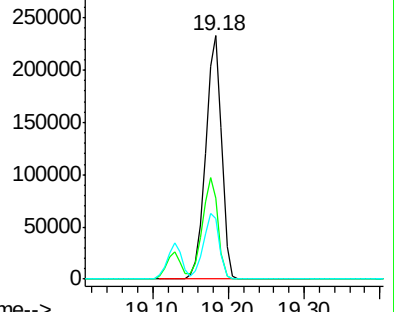
249 25.0 18.2 27.2

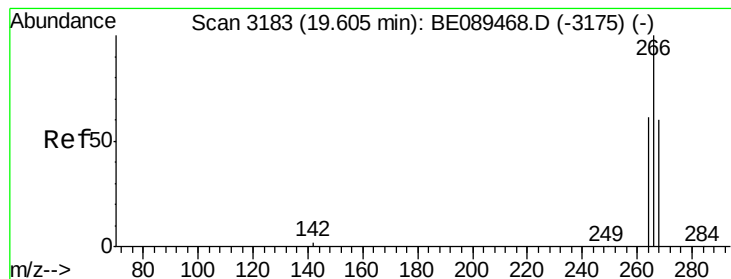


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

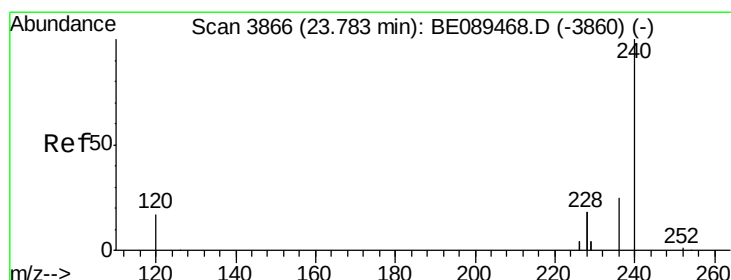
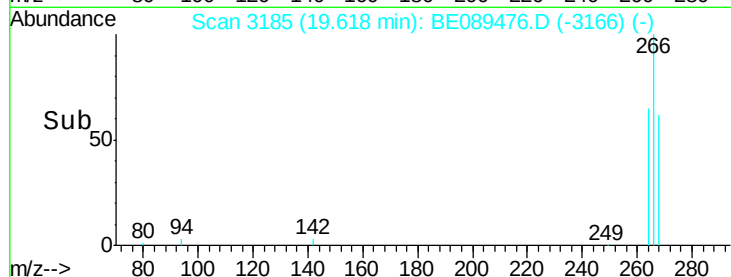
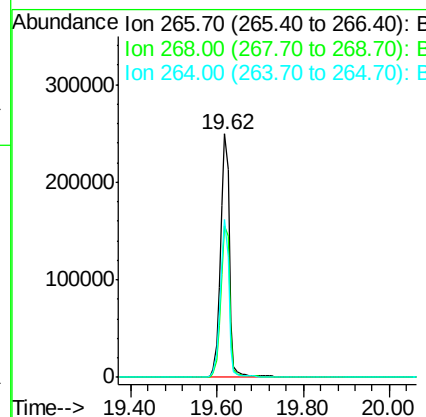
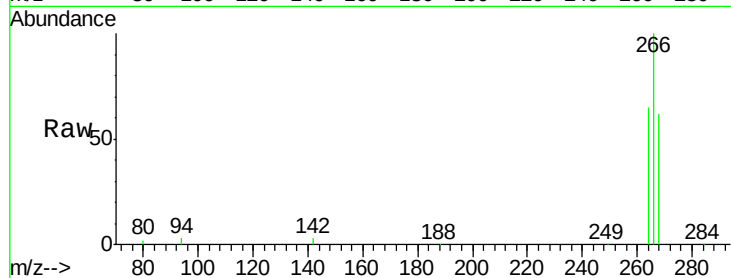




#19
 Pentachlorophenol
 Concen: 16.93 ng
 RT: 19.62 min Scan# 3185
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

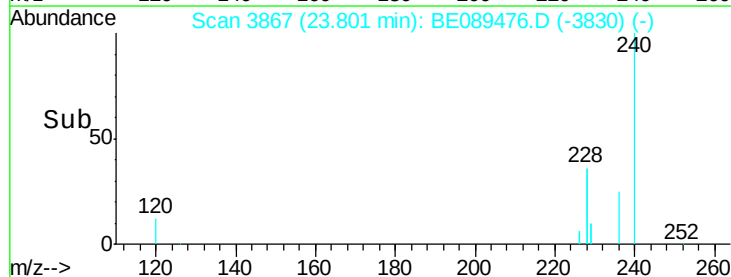
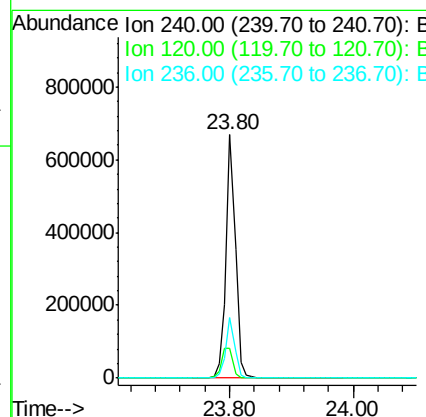
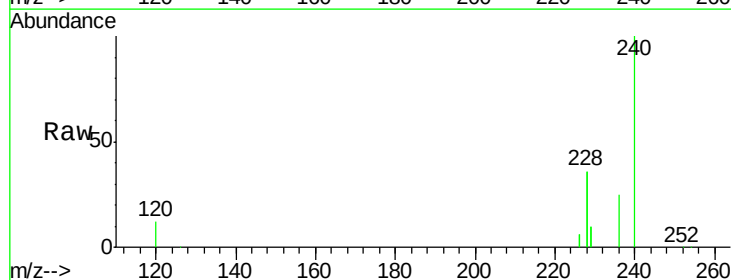
Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

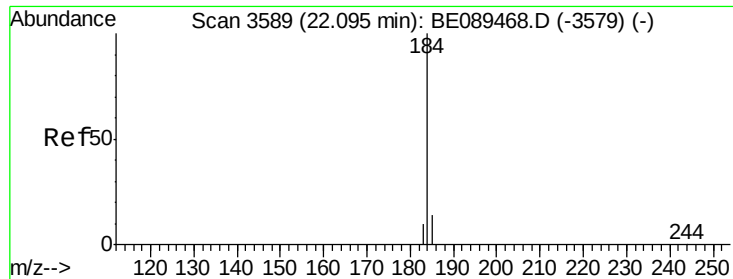
Tgt Ion:266 Resp: 360760
 Ion Ratio Lower Upper
 266 100
 268 62.2 50.0 75.0
 264 64.8 50.6 75.8



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.80 min Scan# 3867
 Delta R.T. 0.02 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

Tgt Ion:240 Resp: 690438
 Ion Ratio Lower Upper
 240 100
 120 12.1 13.8 20.6#
 236 25.0 20.2 30.2





#21

Benzidine

Concen: 0.09 ng

RT: 22.11 min Scan# 3592

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

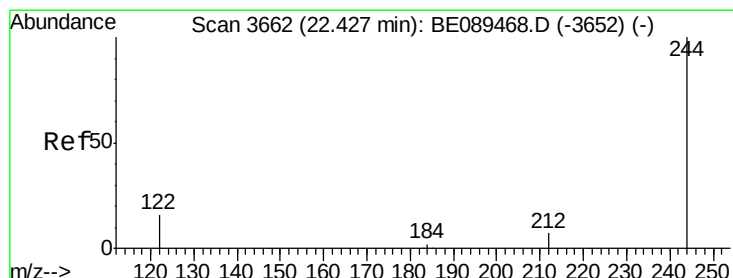
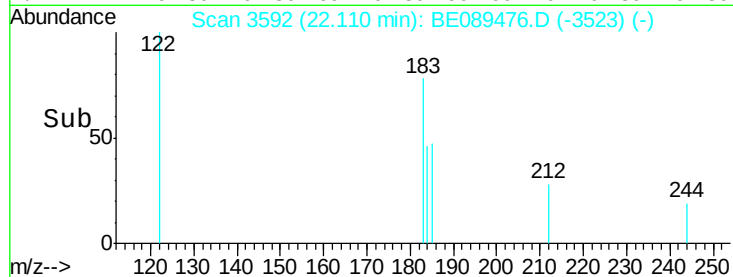
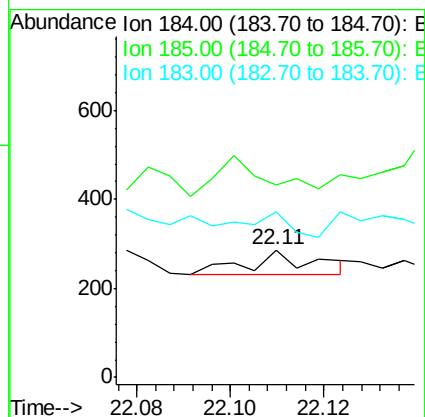
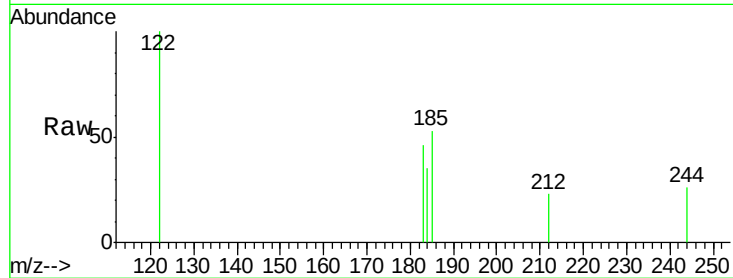
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

185 150.9 12.0 18.0#

183 129.3 9.0 13.4#



#22

Terphenyl-d14

Concen: 10.40 ng

RT: 22.44 min Scan# 3664

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

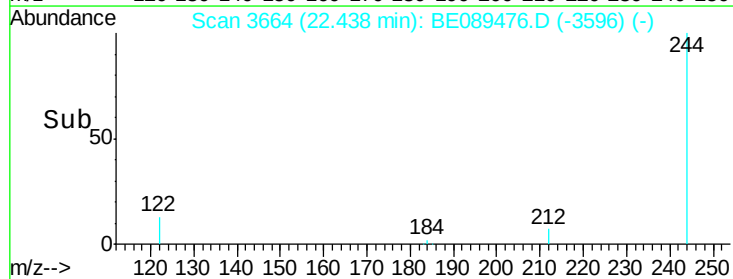
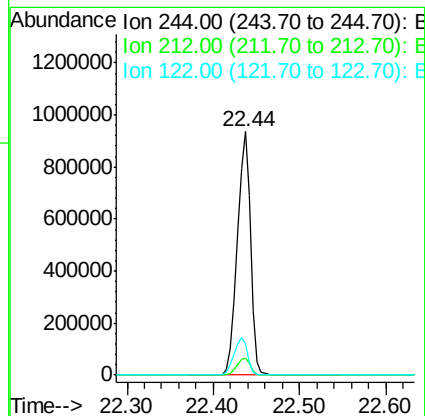
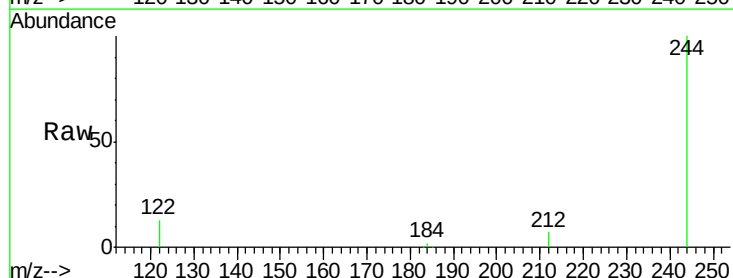
Tgt Ion:244 Resp: 1018086

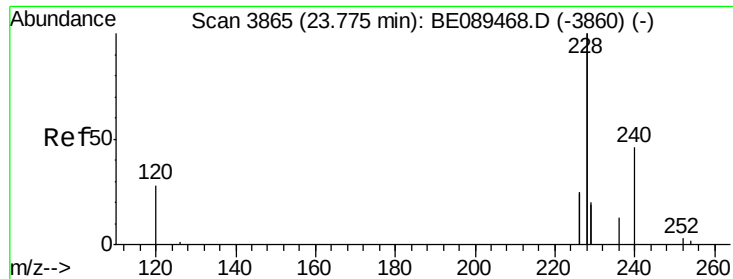
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.9 12.6 19.0





#23

Benzo(a)anthracene

Concen: 8.95 ng

RT: 23.78 min Scan# 3865

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampled :

MW-48MS

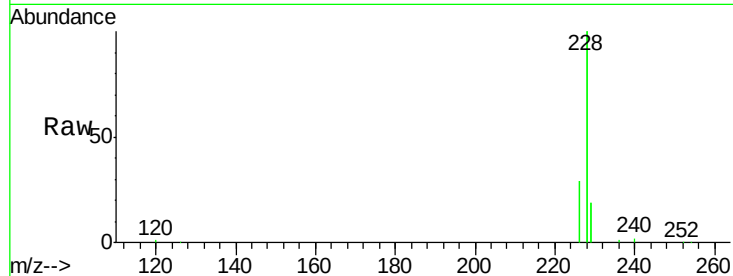
Tgt Ion:228 Resp: 5491392

Ion Ratio Lower Upper

228 100

226 28.5 19.6 29.4

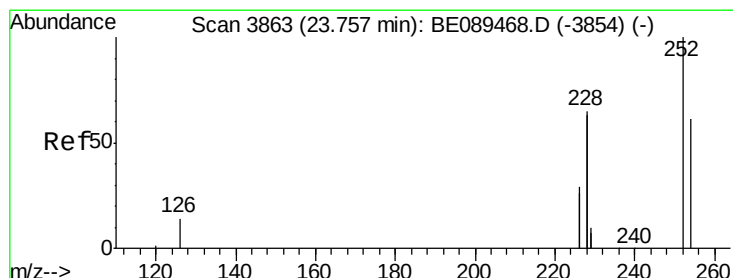
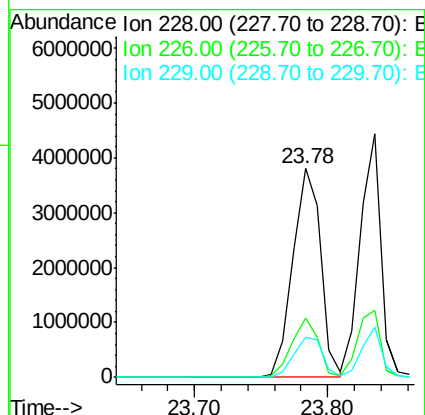
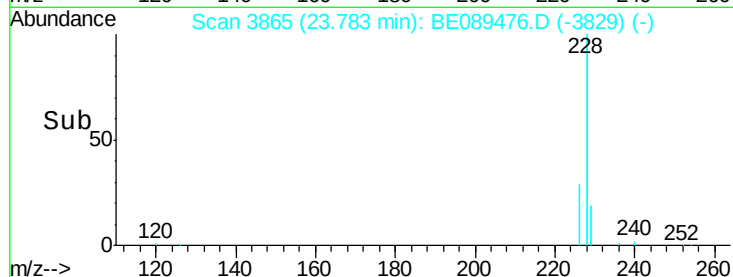
229 19.1 15.9 23.9



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



#24

3,3'-Dichlorobenzidine

Concen: 0.31 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

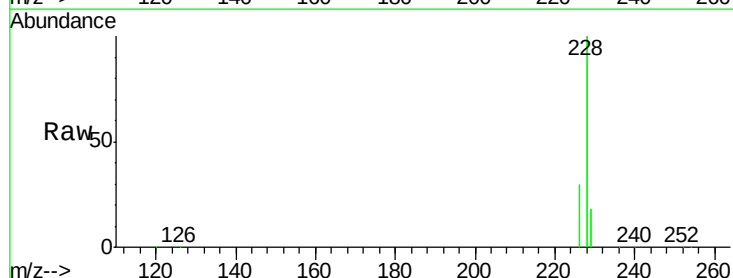
Tgt Ion:252 Resp: 11028

Ion Ratio Lower Upper

252 100

254 66.0 48.6 73.0

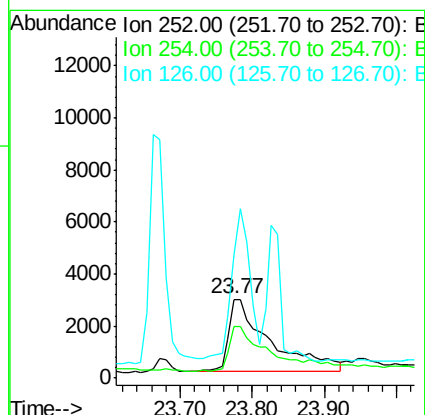
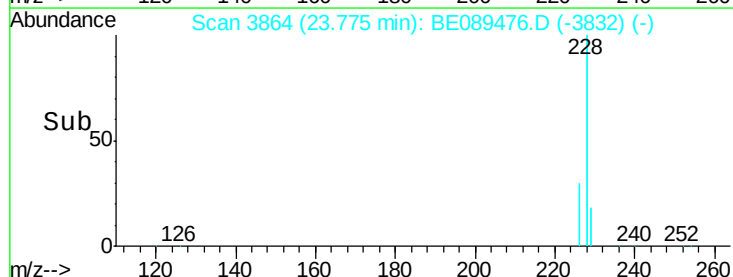
126 156.6 12.4 18.6#

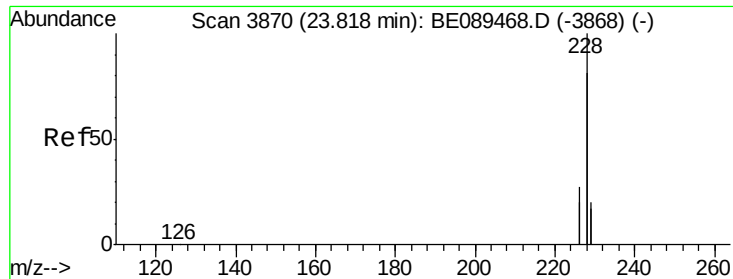


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 7.64 ng

RT: 23.84 min Scan# 3871

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

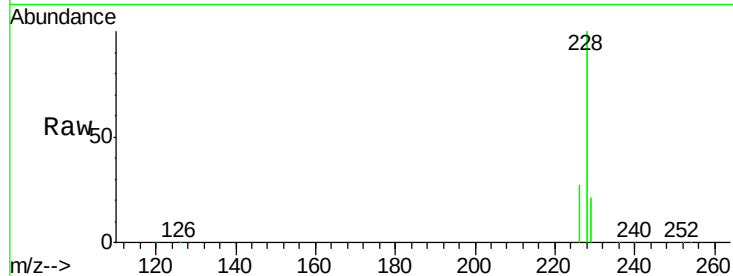
Tgt Ion:228 Resp: 4883049

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

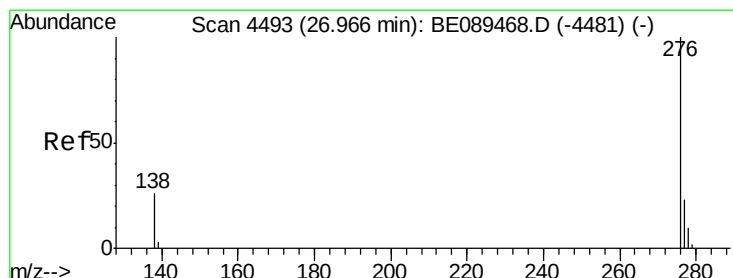
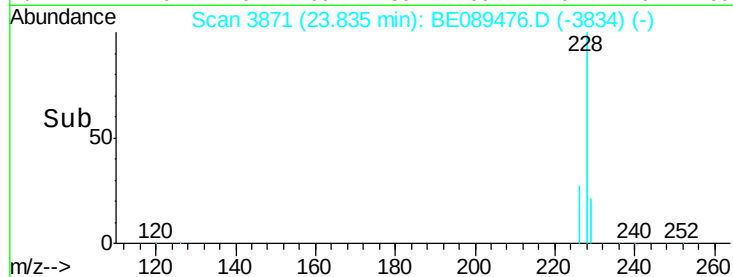
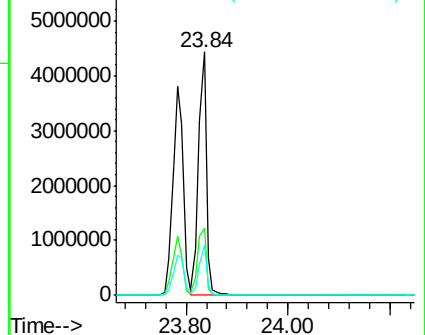
229 20.6 16.2 24.2



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: 8.92 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.03 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

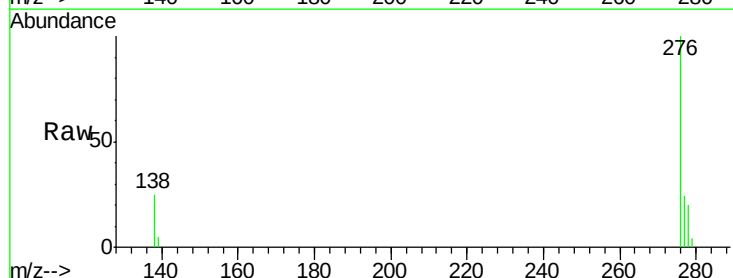
Tgt Ion:276 Resp: 1614064

Ion Ratio Lower Upper

276 100

138 29.4 24.2 36.4

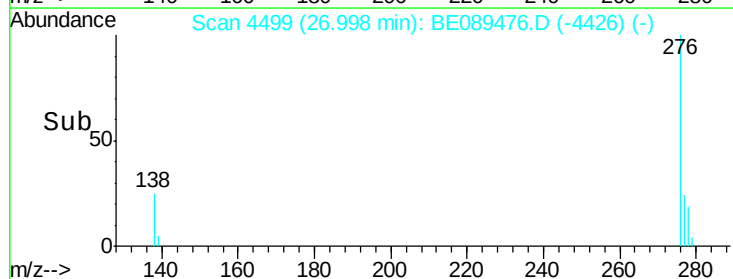
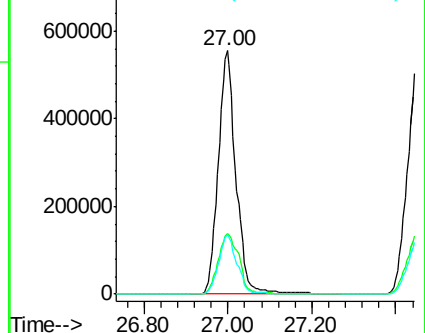
277 25.3 19.9 29.9

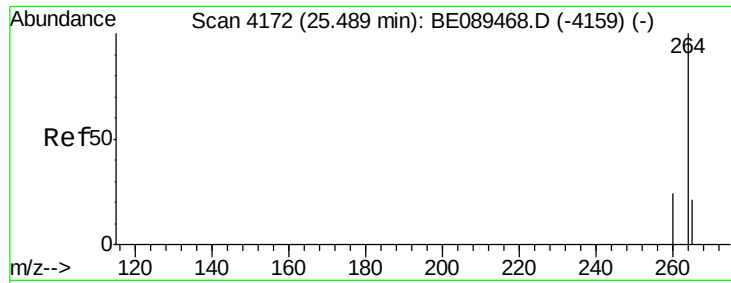


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

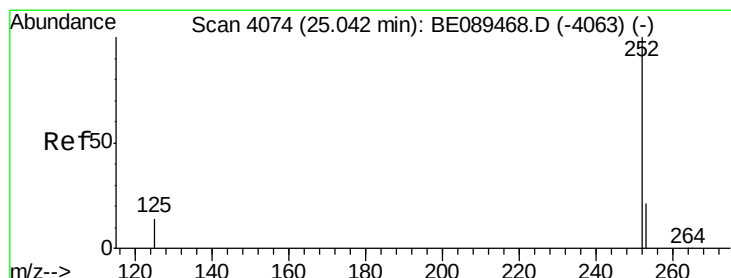
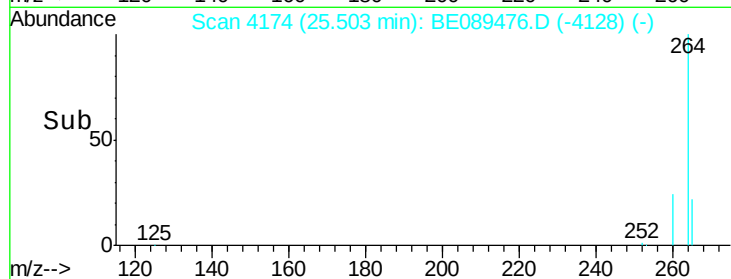
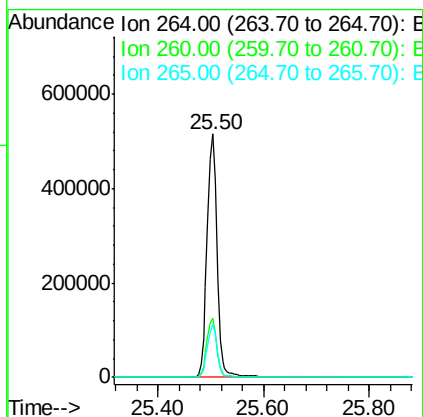
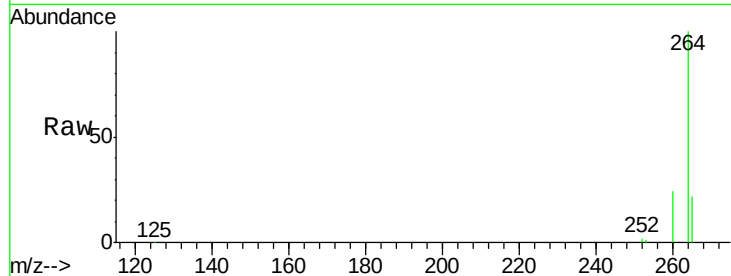




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.50 min Scan# 4174
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

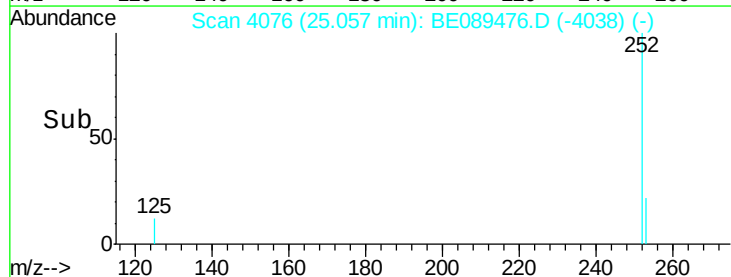
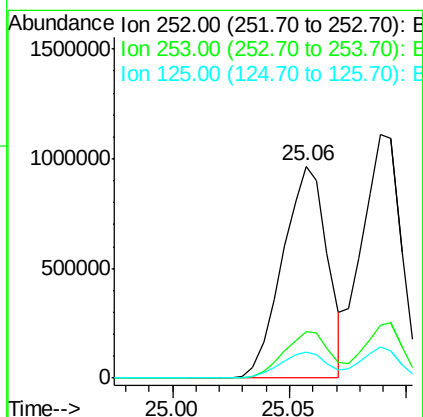
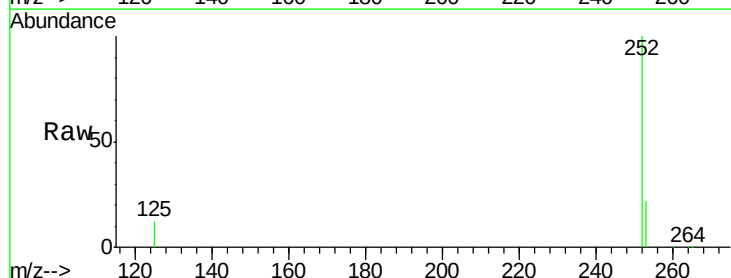
Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

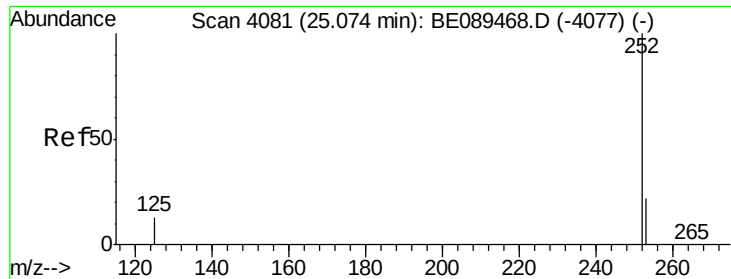
Tgt Ion: 264 Resp: 670968
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.1 28.7
 265 21.6 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 8.39 ng
 RT: 25.06 min Scan# 4076
 Delta R.T. 0.02 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 22:50

Tgt Ion: 252 Resp: 1289973
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.4 26.2
 125 12.4 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 7.84 ng

RT: 25.09 min Scan# 4083

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

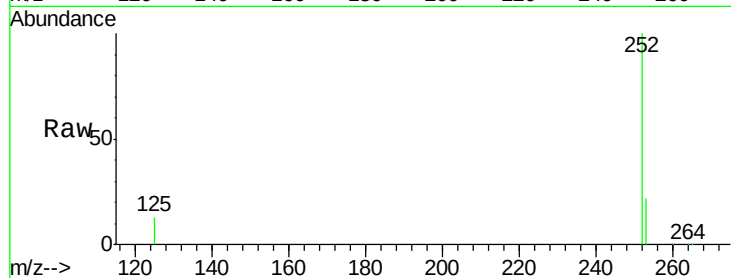
Tgt Ion:252 Resp: 1363365

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

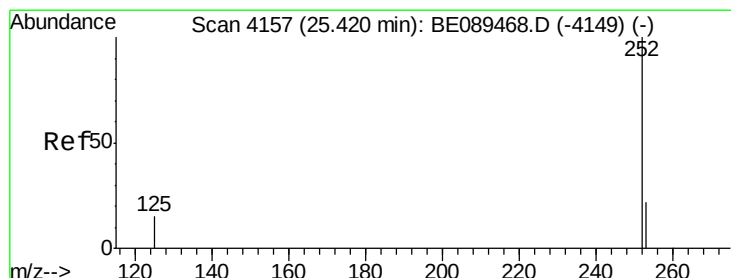
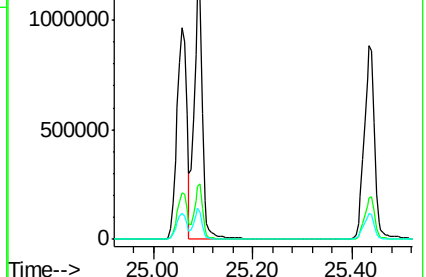
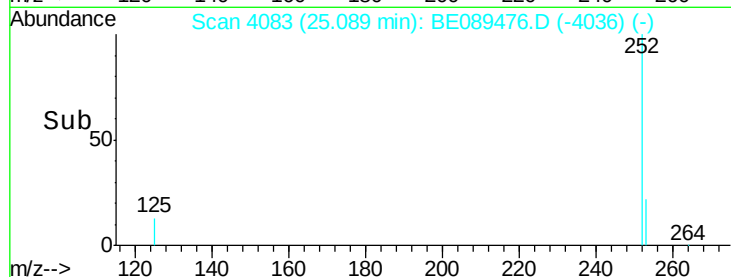
125 12.7 10.6 15.8



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: 8.57 ng

RT: 25.44 min Scan# 4159

Delta R.T. 0.02 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

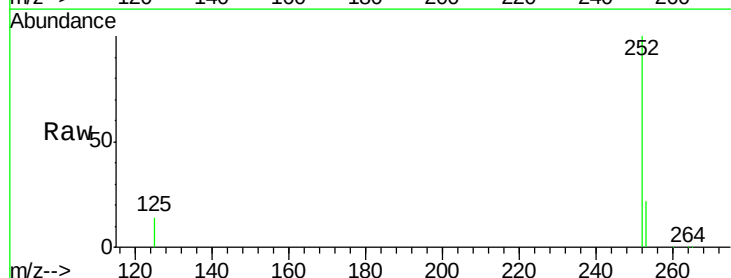
Tgt Ion:252 Resp: 1287288

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

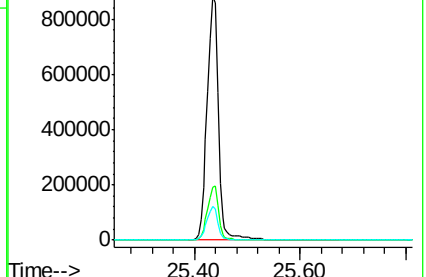
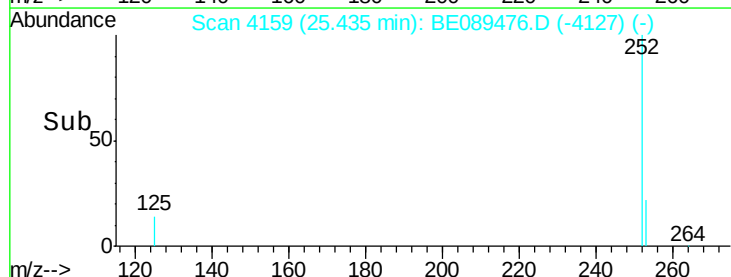
125 13.6 12.2 18.4

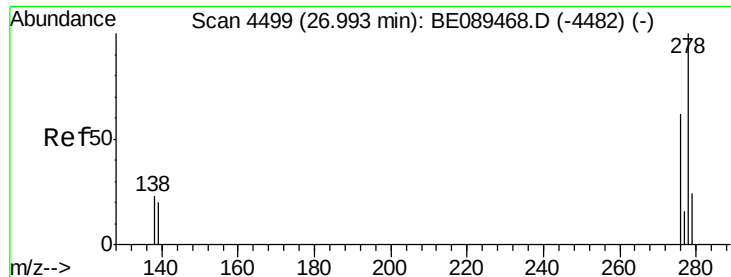


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 8.87 ng

RT: 27.03 min Scan# 4505

Delta R.T. 0.03 min

Lab File: BE089476.D

Acq: 3 Feb 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-48MS

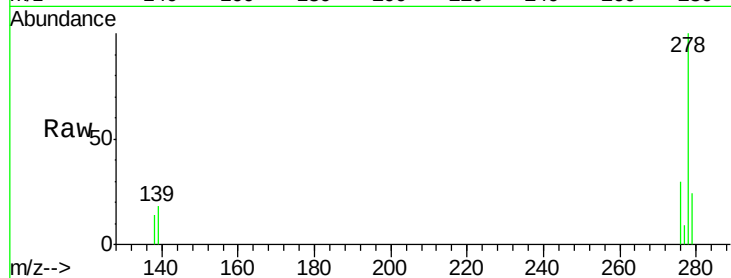
Tgt Ion: 278 Resp: 1411591

Ion Ratio Lower Upper

278 100

139 18.1 16.8 25.2

279 24.1 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

