

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089471.D
 Acq On : 3 Feb 2015 1:41
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:48:35 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 04:09:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	34184	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	119723	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	48388	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	111573	5.00	ng	0.00
20) Chrysene-d12	23.84	240	155106	5.00	ng	0.00
27) Perylene-d12	25.56	264	171810	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.76	112	11260	0.98	ng	0.00
4) Phenol-d6	8.88	99	12772	0.96	ng	0.00
8) Nitrobenzene-d5	10.85	82	8428	0.97	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	1501	1.23	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	12411	0.92	ng	0.00
22) Terphenyl-d14	22.48	244	18757	1.07	ng	0.00

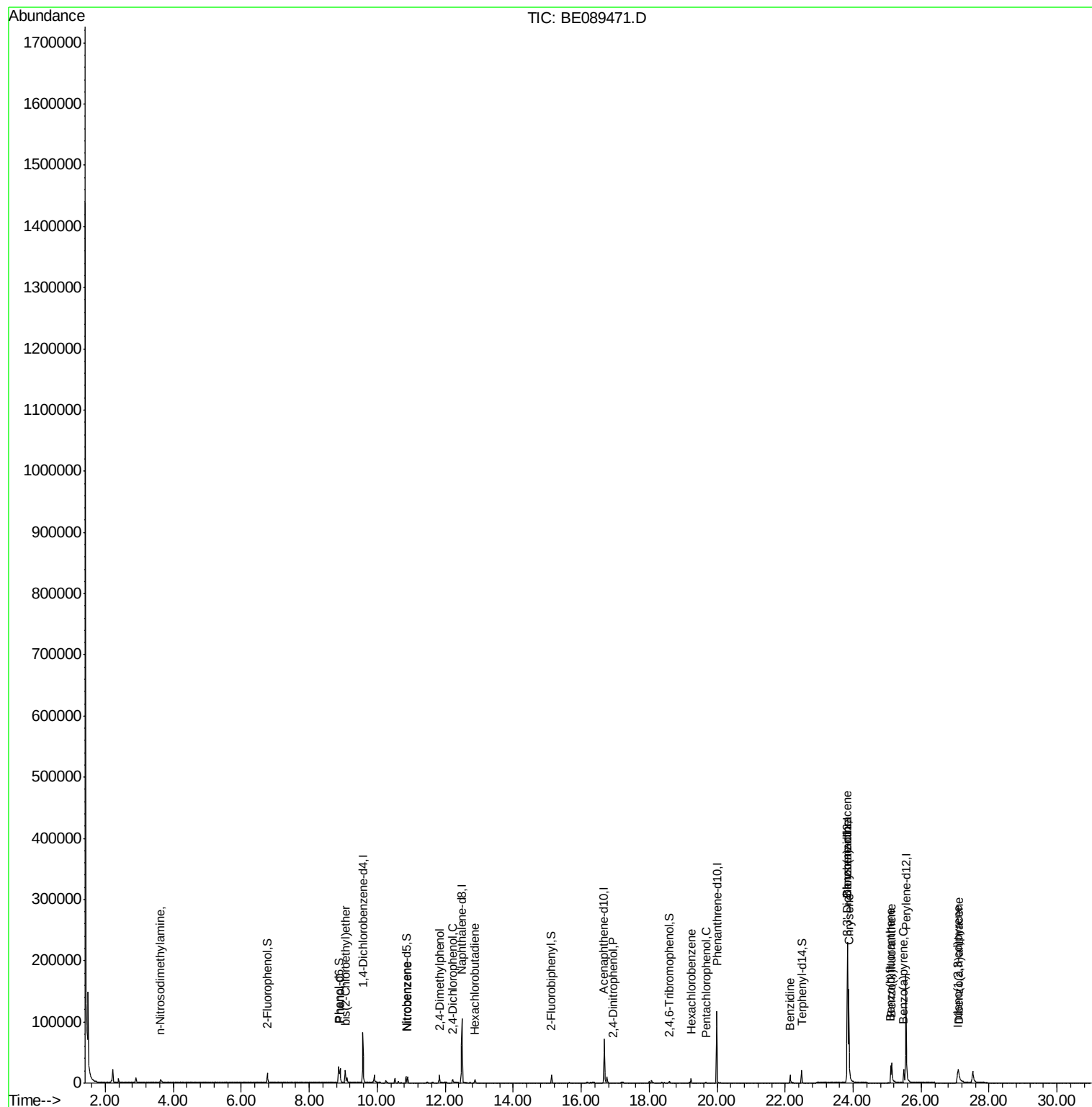
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.62	42	5697	0.96	ng	# 69
5) Phenol	8.92	94	12786	0.89	ng	# 77
6) bis(2-Chloroethyl)ether	9.06	93	9931	0.95	ng	# 97
9) Nitrobenzene	10.89	77	9831	1.00	ng	99
10) 2,4-Dimethylphenol	11.83	122	7091	1.00	ng	86
11) 2,4-Dichlorophenol	12.22	162	5363	1.00	ng	94
12) Hexachlorobutadiene	12.87	225	3630	0.96	ng	98
16) 2,4-Dinitrophenol	16.92	184	176	0.60	ng	88
18) Hexachlorobenzene	19.23	284	5336	0.91	ng	99
19) Pentachlorophenol	19.67	266	526	0.97	ng	91
21) Benzidine	22.15	184	14179	1.05	ng	98
23) Benzo(a)anthracene	23.83	228	127686	1.03	ng	98
24) 3,3'-Dichlorobenzidine	23.82	252	11181	0.93	ng	98
25) Chrysene	23.87	228	146017	0.97	ng	99
26) Indeno(1,2,3-cd)pyrene	27.07	276	39880	0.80	ng	99
28) Benzo(b)fluoranthene	25.10	252	25355	0.97	ng	99
29) Benzo(k)fluoranthene	25.13	252	45783	1.07	ng	100
30) Benzo(a)pyrene	25.49	252	28697	0.98	ng	99
31) Dibenzo(a,h)anthracene	27.10	278	33674	0.89	ng	99

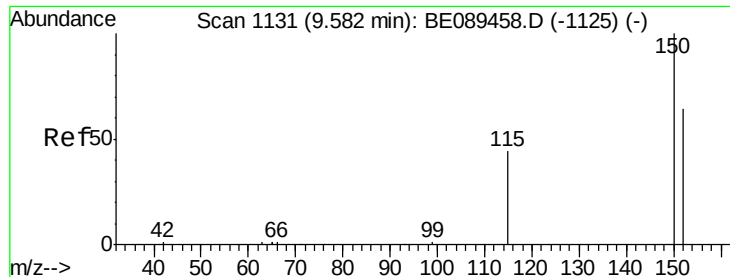
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

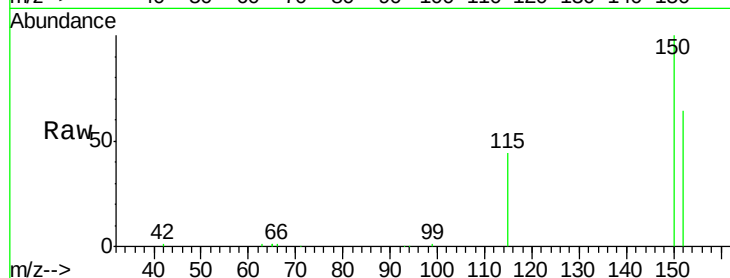
Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :



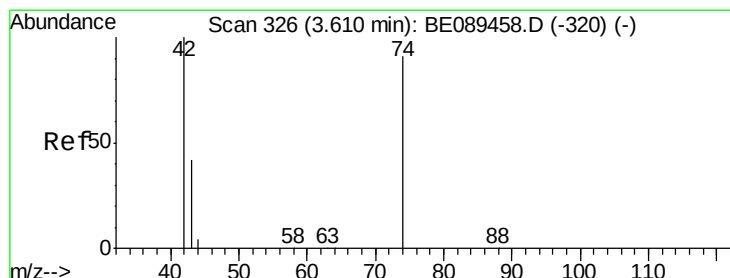
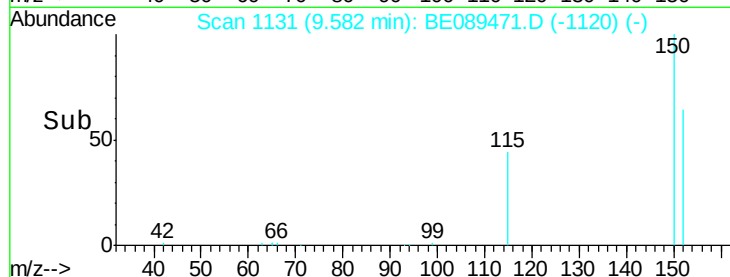
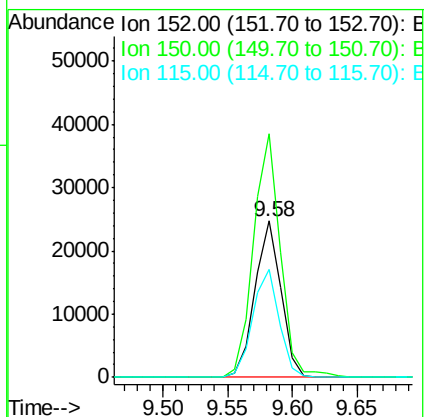
Tgt Ion:152 Resp: 34184

Ion Ratio Lower Upper

152 100

150 155.8 124.6 186.8

115 68.7 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.62 min Scan# 327

Delta R.T. 0.01 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

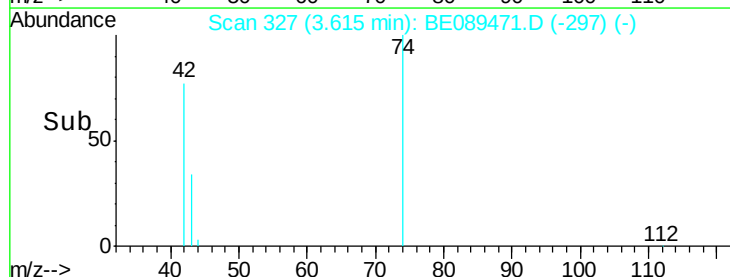
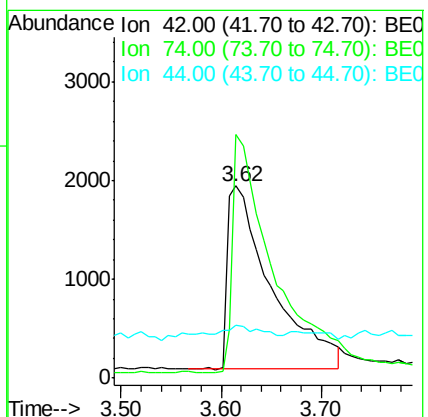
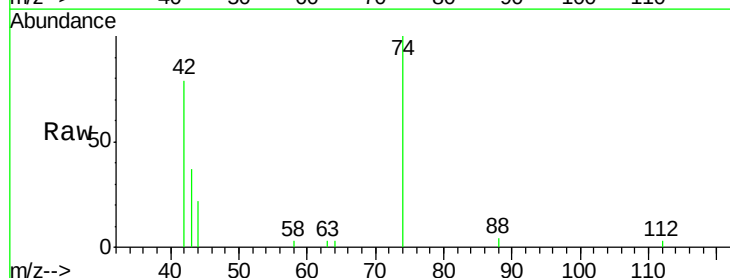
Tgt Ion: 42 Resp: 5697

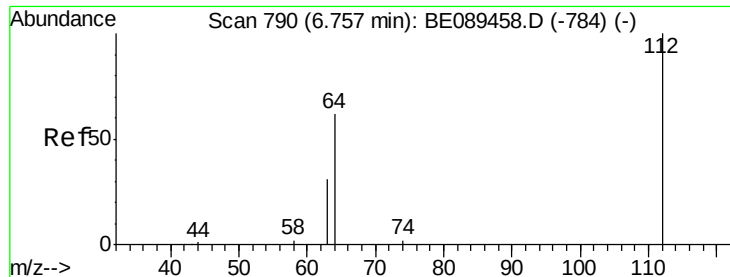
Ion Ratio Lower Upper

42 100

74 126.7 72.1 108.1#

44 27.8 28.0 42.0#

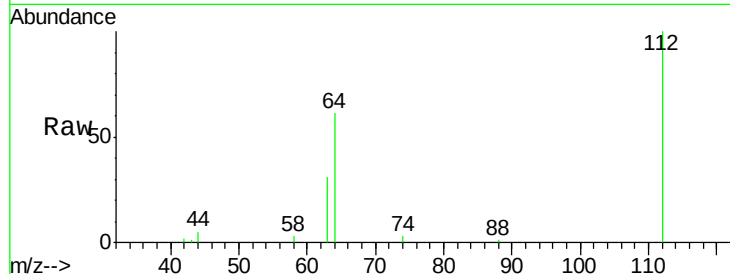




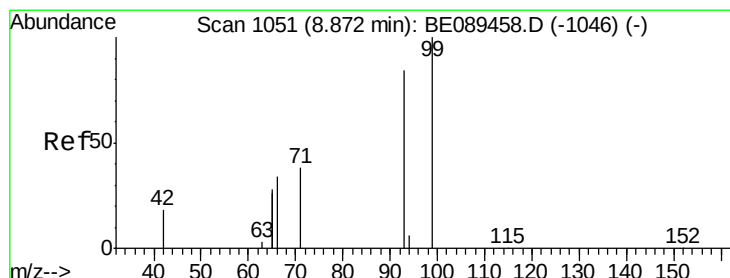
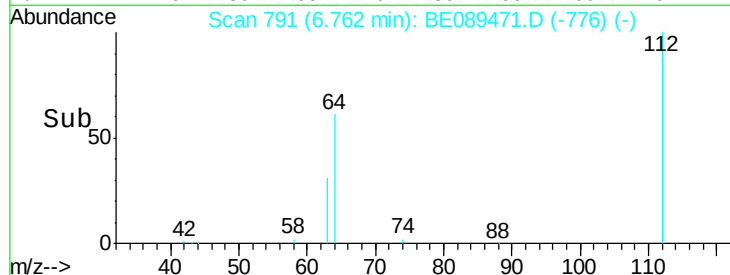
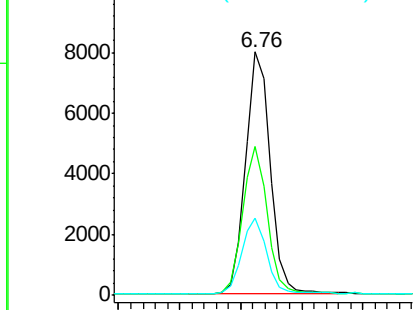
#3
 2-Fluorophenol
 Concen: 0.98 ng
 RT: 6.76 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 112 Resp: 11260
 Ion Ratio Lower Upper
 112 100
 64 61.0 49.8 74.8
 63 31.5 24.9 37.3

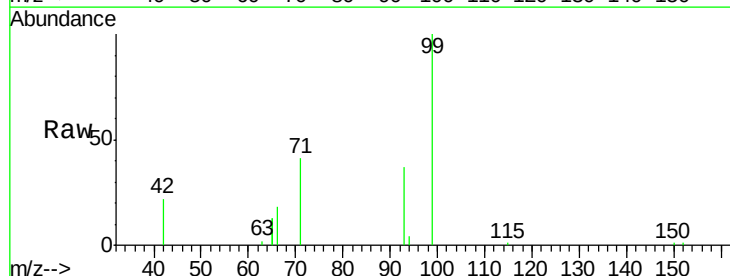


Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

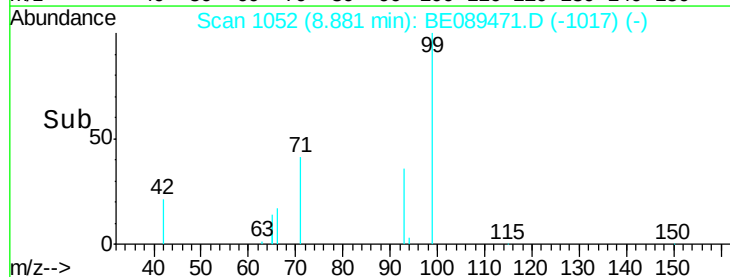
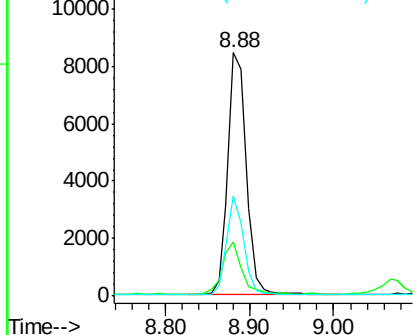


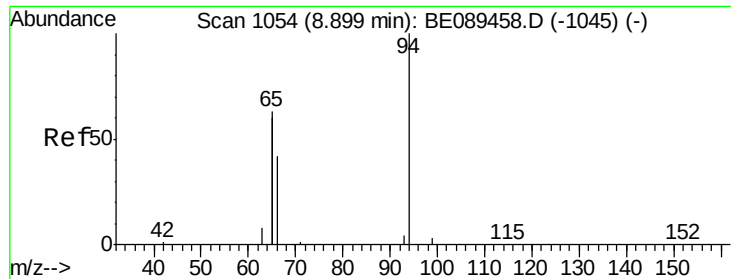
#4
 Phenol-d6
 Concen: 0.96 ng
 RT: 8.88 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

Tgt Ion: 99 Resp: 12772
 Ion Ratio Lower Upper
 99 100
 42 22.2 15.0 22.4
 71 41.4 30.6 46.0



Abundance Ion 99.00 (98.70 to 99.70): BE0
 Ion 42.00 (41.70 to 42.70): BE0
 Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.89 ng

RT: 8.92 min Scan# 1056

Delta R.T. 0.02 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampled :

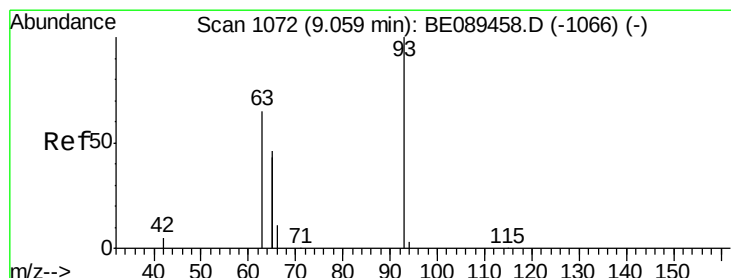
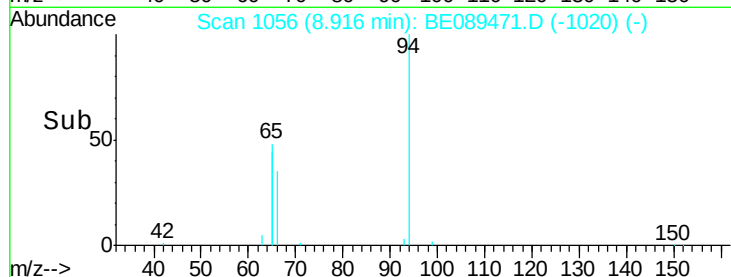
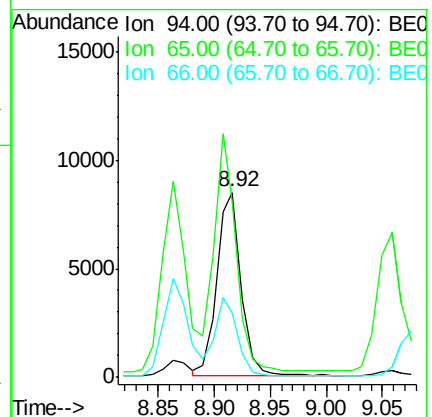
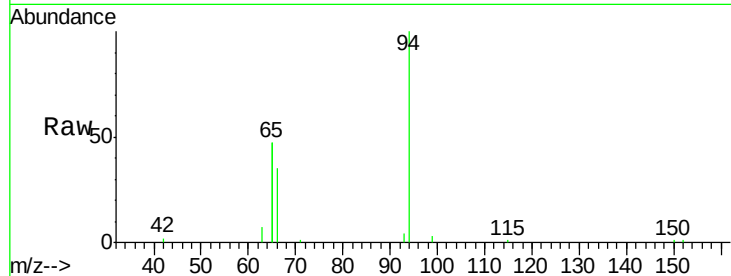
Tgt Ion: 94 Resp: 12786

Ion Ratio Lower Upper

94 100

65 94.8 105.0 145.0#

66 34.9 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.95 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

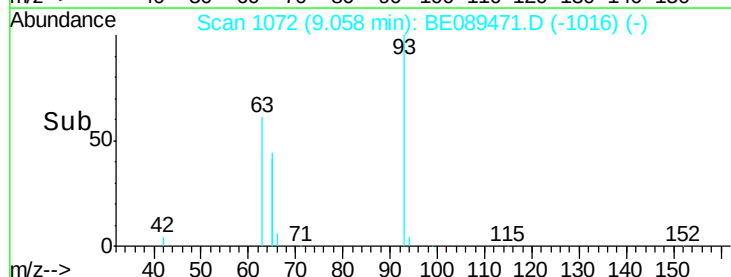
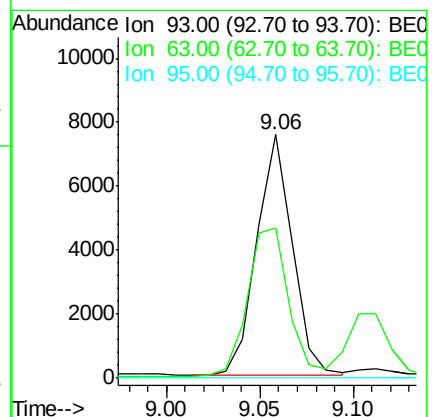
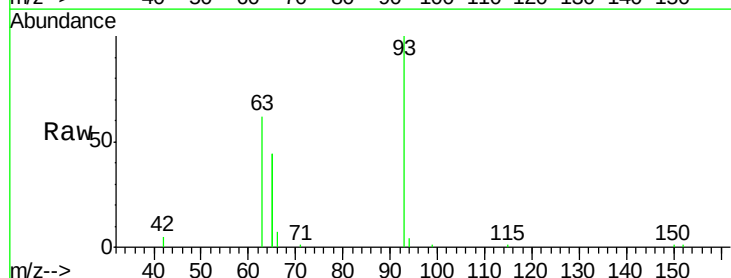
Tgt Ion: 93 Resp: 9931

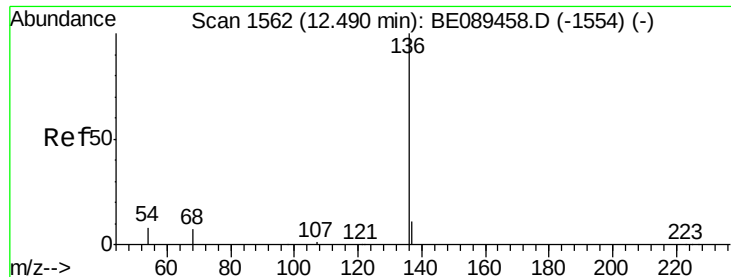
Ion Ratio Lower Upper

93 100

63 71.1 59.2 88.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

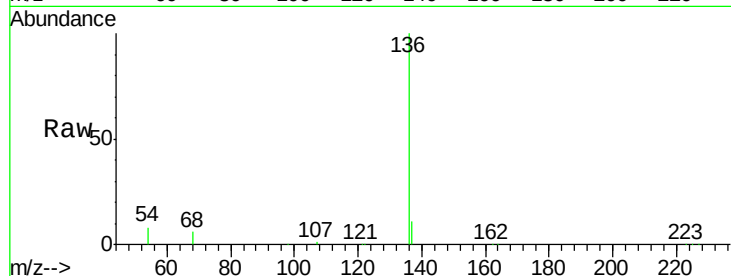
Tgt Ion: 136 Resp: 119723

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

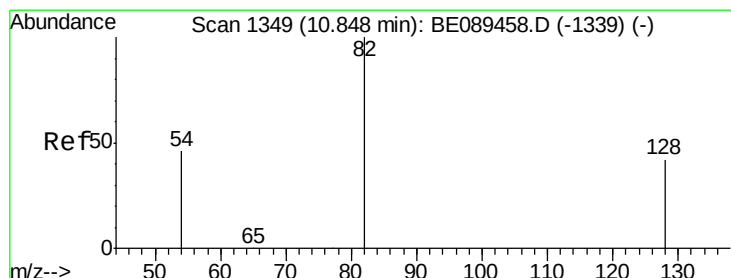
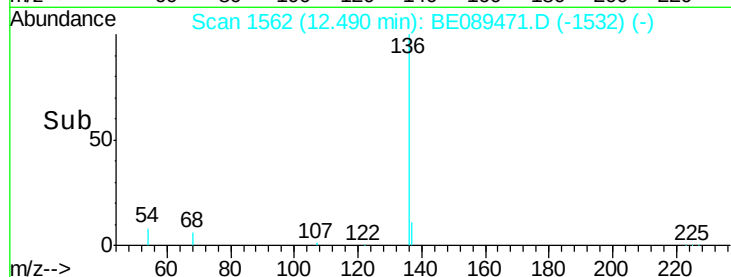
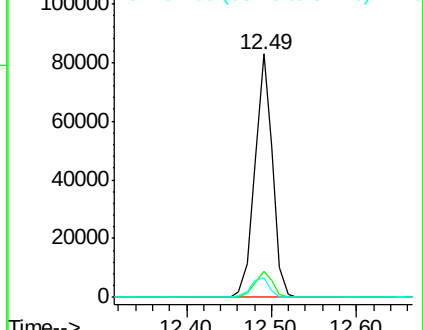
54 8.2 6.5 9.7



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: 0.97 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

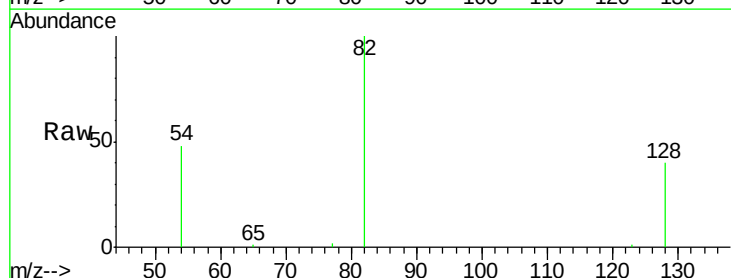
Tgt Ion: 82 Resp: 8428

Ion Ratio Lower Upper

82 100

128 40.4 34.2 51.2

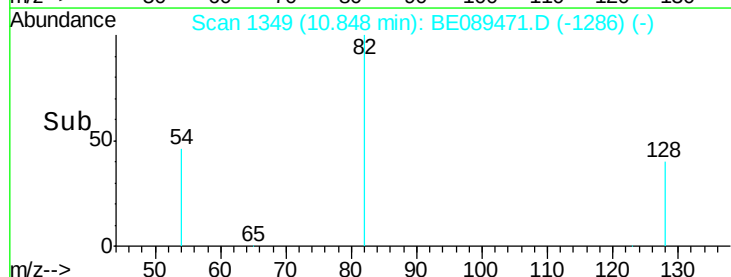
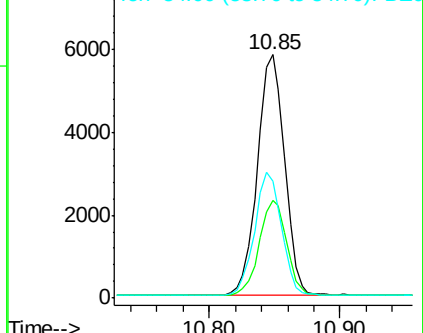
54 48.2 37.3 55.9

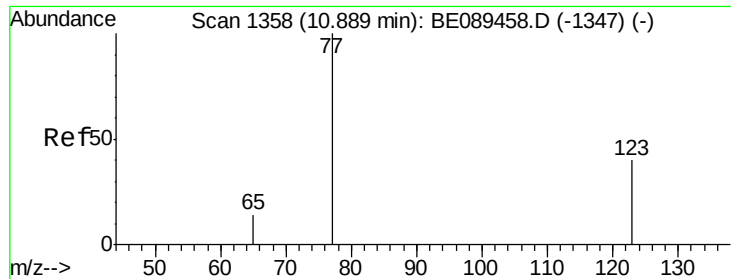


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.00 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

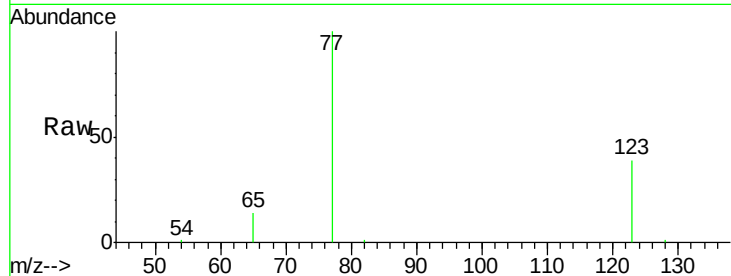
Tgt Ion: 77 Resp: 9831

Ion Ratio Lower Upper

77 100

123 41.4 33.6 50.4

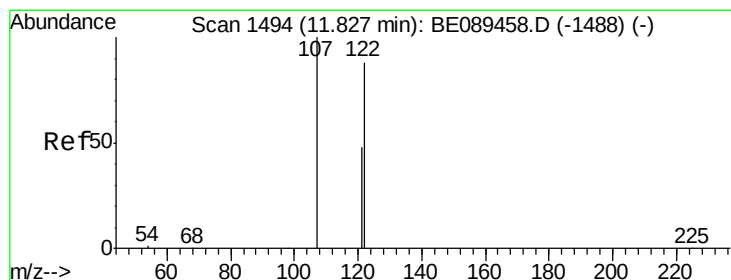
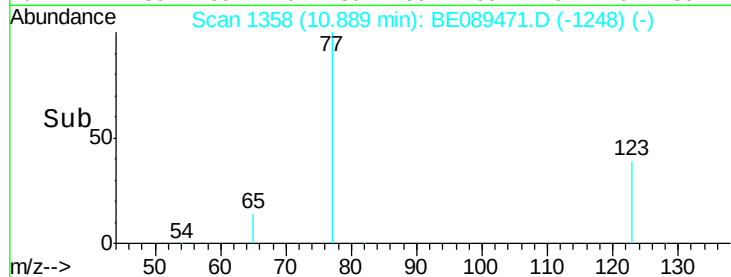
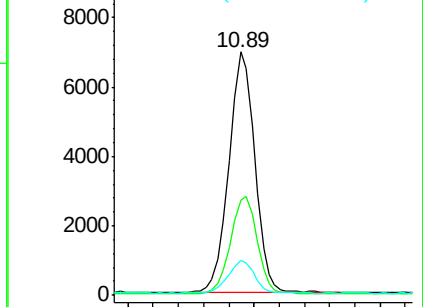
65 13.9 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BE089471.D (-1248) (-)

Ion 123.00 (122.70 to 123.70): BE089471.D (-1248) (-)

Ion 65.00 (64.70 to 65.70): BE089471.D (-1248) (-)



#10

2,4-Dimethylphenol

Concen: 1.00 ng

RT: 11.83 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

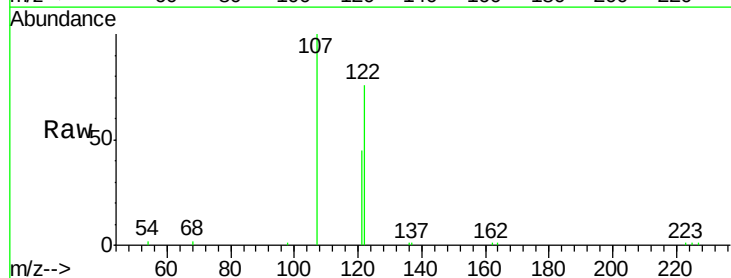
Tgt Ion: 122 Resp: 7091

Ion Ratio Lower Upper

122 100

107 131.7 90.6 136.0

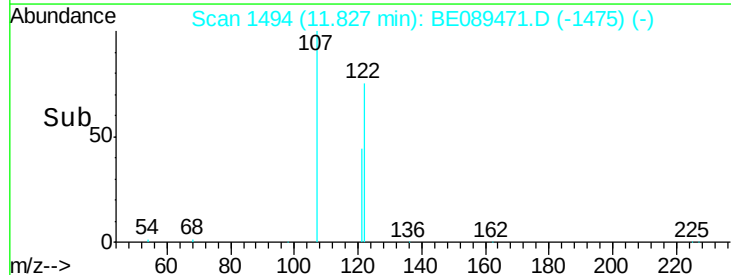
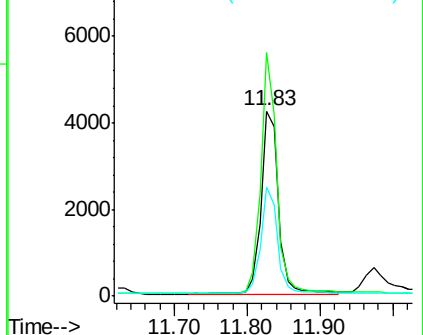
121 58.9 43.7 65.5

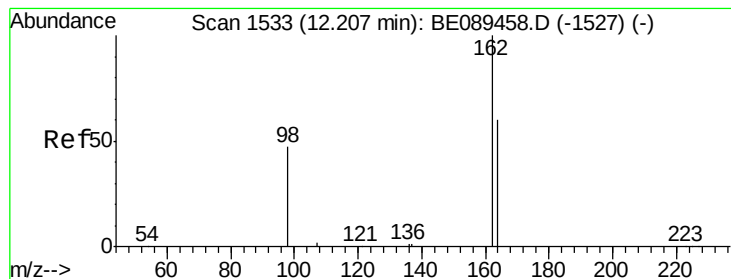


Abundance Ion 122.00 (121.70 to 122.70): BE089471.D (-1475) (-)

Ion 107.00 (106.70 to 107.70): BE089471.D (-1475) (-)

Ion 121.00 (120.70 to 121.70): BE089471.D (-1475) (-)





#11

2,4-Dichlorophenol

Concen: 1.00 ng

RT: 12.22 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

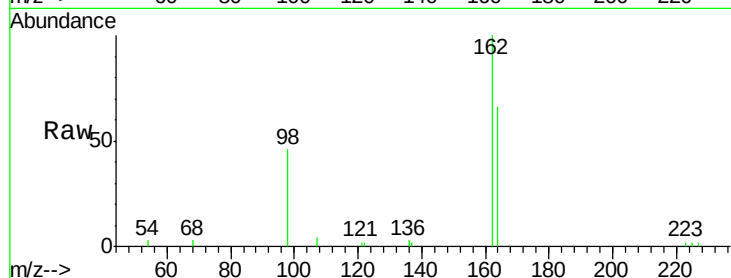
Tgt Ion:162 Resp: 5363

Ion Ratio Lower Upper

162 100

164 66.1 40.5 80.5

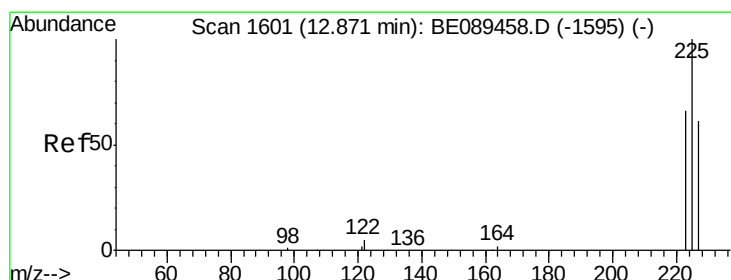
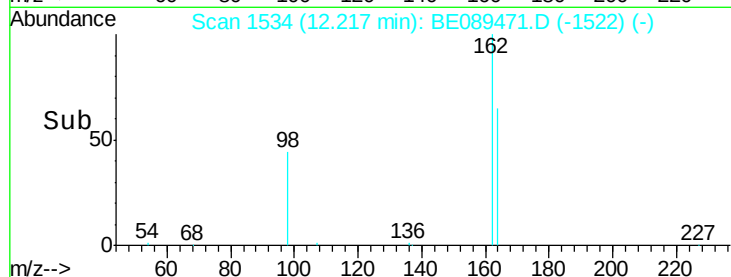
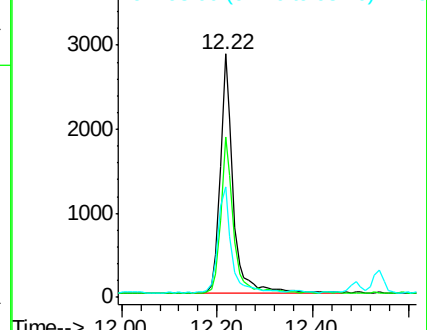
98 45.6 28.1 68.1



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: 0.96 ng

RT: 12.87 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

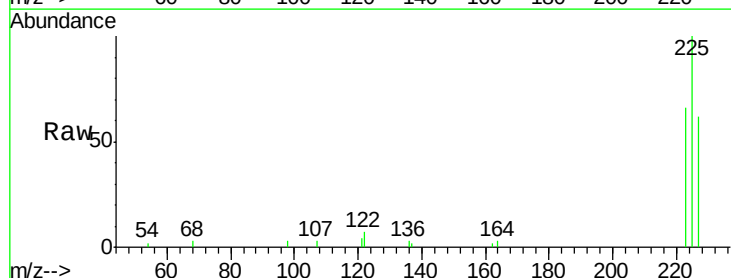
Tgt Ion:225 Resp: 3630

Ion Ratio Lower Upper

225 100

223 64.0 50.2 75.2

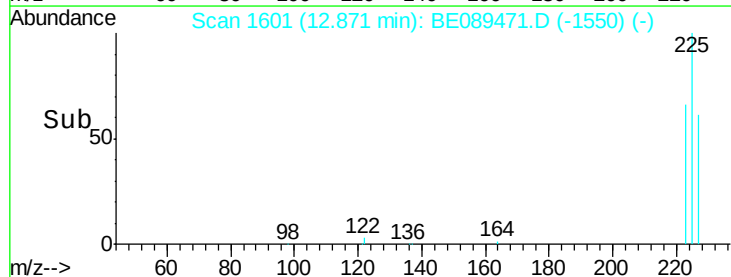
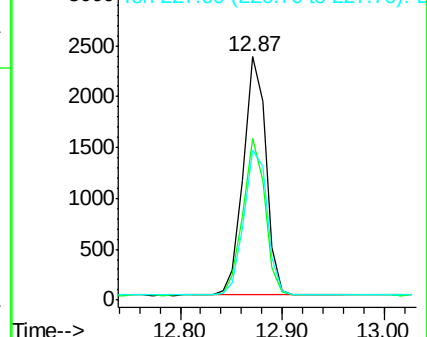
227 63.4 49.9 74.9

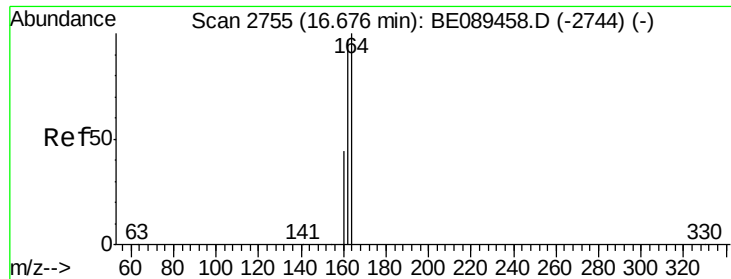


Abundance Ion 225.00 (224.70 to 225.70): E

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: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

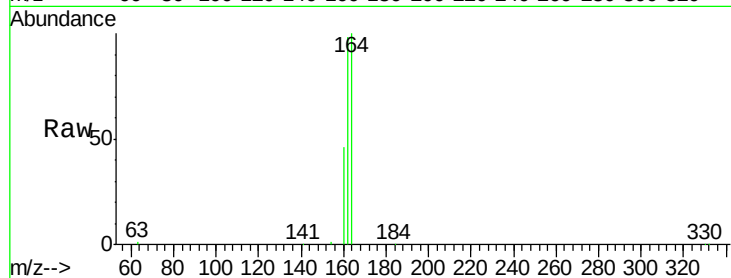
Tgt Ion:164 Resp: 48388

Ion Ratio Lower Upper

164 100

162 98.0 77.4 116.2

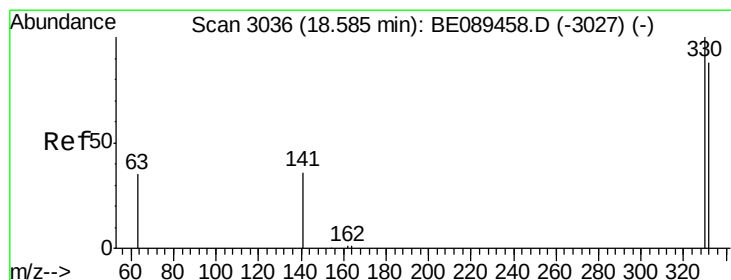
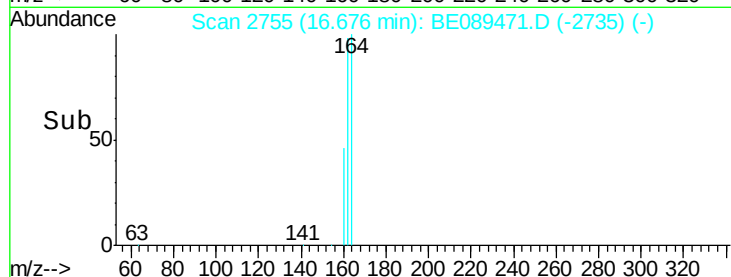
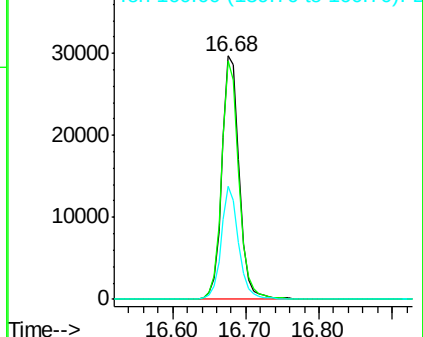
160 46.2 35.5 53.3



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: 1.23 ng

RT: 18.59 min Scan# 3037

Delta R.T. 0.01 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

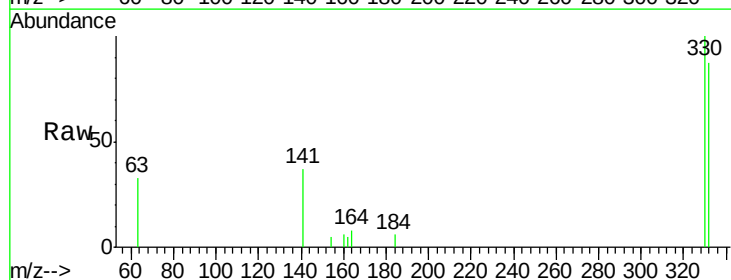
Tgt Ion:330 Resp: 1501

Ion Ratio Lower Upper

330 100

332 91.8 75.4 113.2

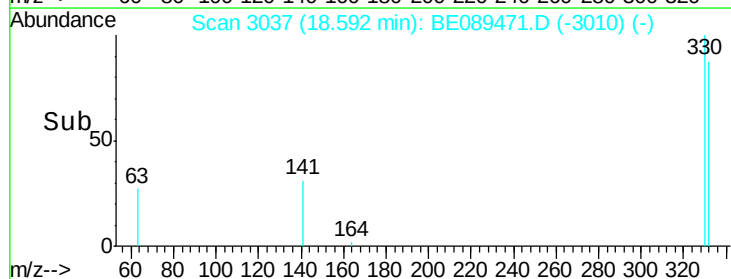
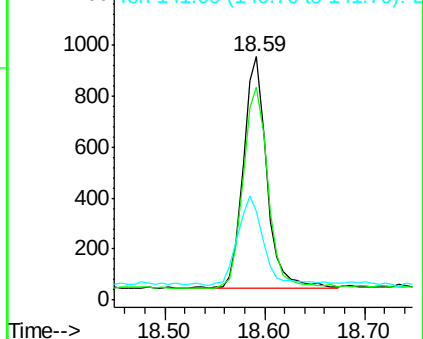
141 42.2 35.7 53.5

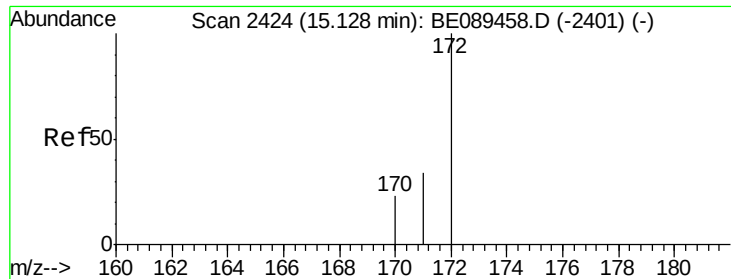


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

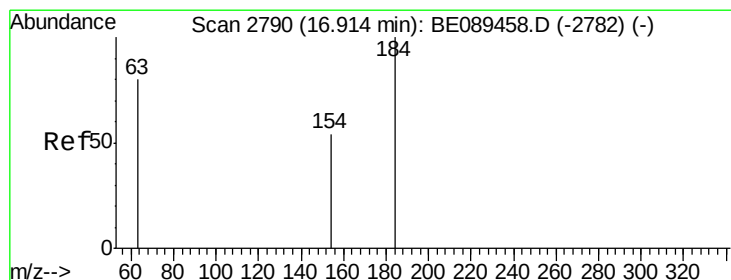
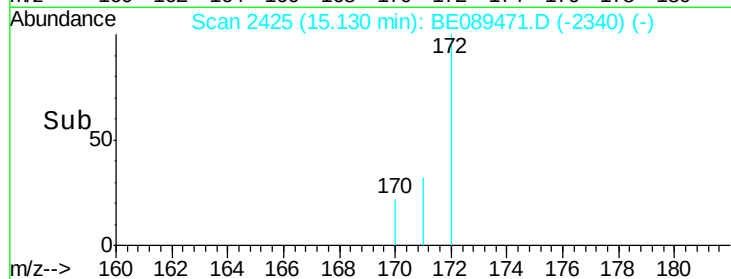
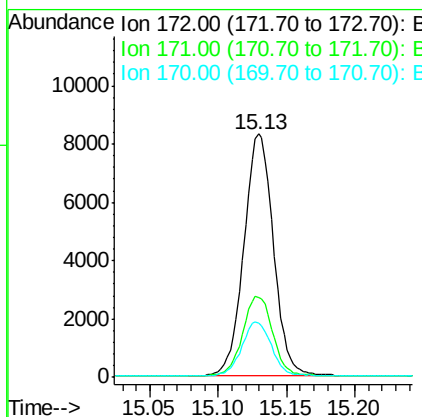
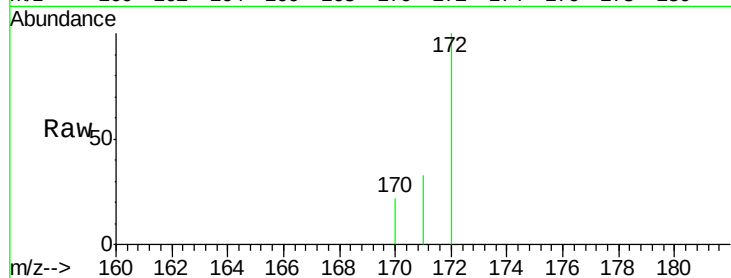




#15
2-Fluorobiphenyl
Concen: 0.92 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 1:41

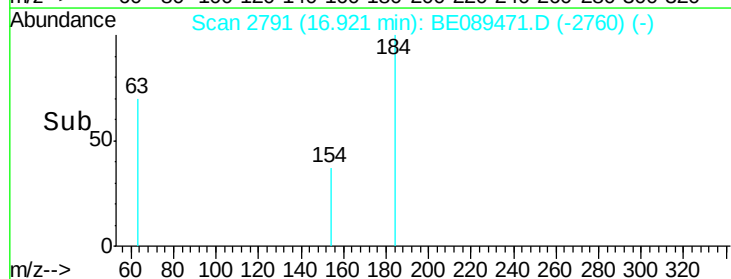
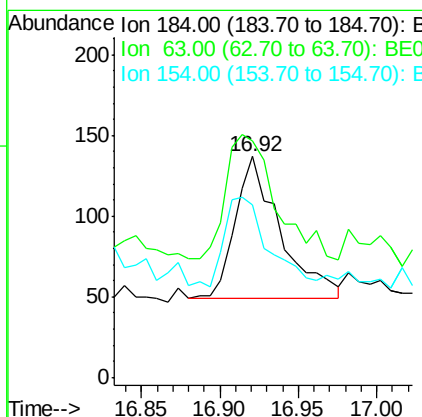
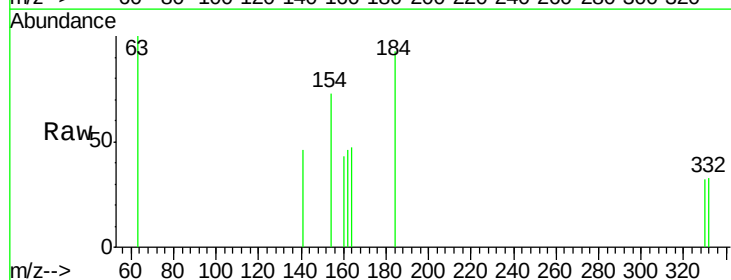
Instrument :
BNA_E
ClientSampleId :

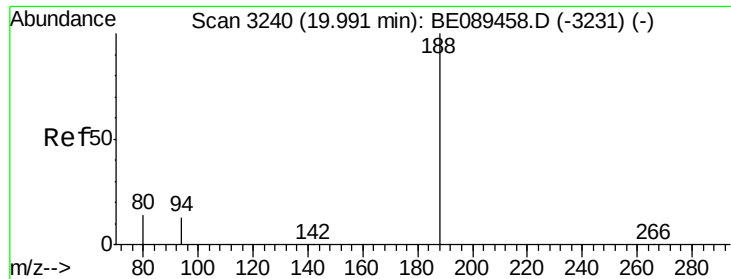
Tgt Ion:172 Resp: 12411
Ion Ratio Lower Upper
172 100
171 32.8 27.7 41.5
170 22.3 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 0.60 ng
RT: 16.92 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BE089471.D
Acq: 3 Feb 2015 1:41

Tgt Ion:184 Resp: 176
Ion Ratio Lower Upper
184 100
63 107.3 77.0 115.6
154 78.1 54.0 81.0

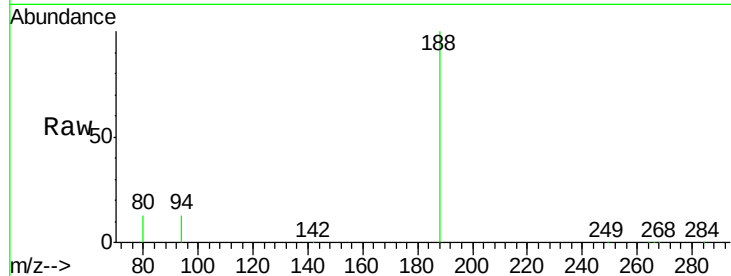




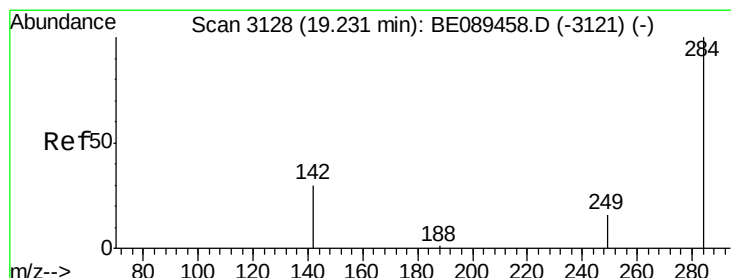
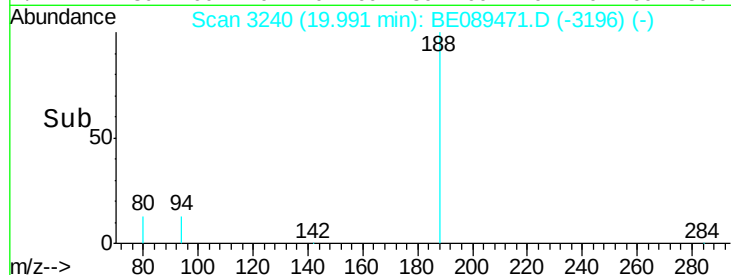
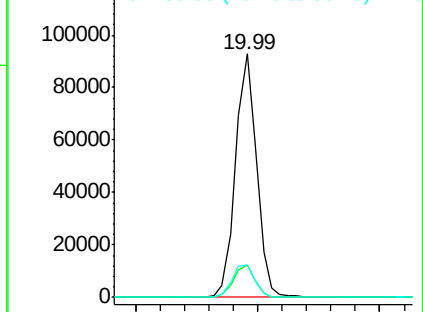
#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:188 Resp: 111573
 Ion Ratio Lower Upper
 188 100
 94 13.2 10.2 15.4
 80 13.5 10.9 16.3

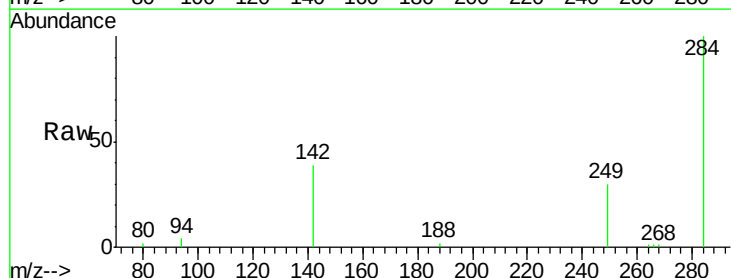


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE
 Ion 80.00 (79.70 to 80.70): BE

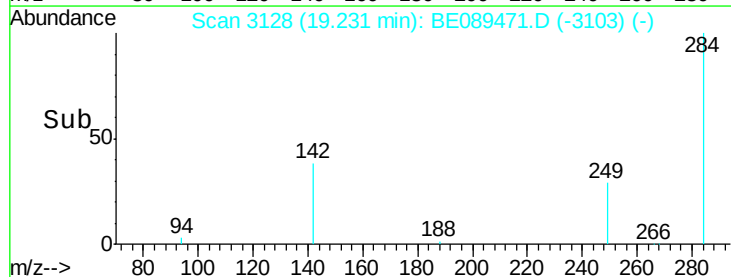
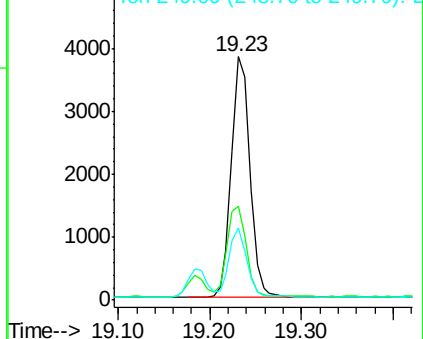


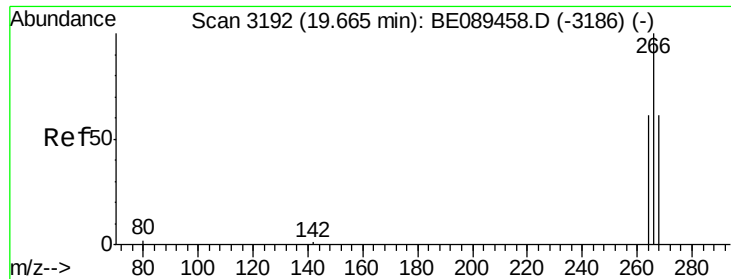
#18
 Hexachlorobenzene
 Concen: 0.91 ng
 RT: 19.23 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

Tgt Ion:284 Resp: 5336
 Ion Ratio Lower Upper
 284 100
 142 38.7 31.8 47.8
 249 29.5 23.5 35.3



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

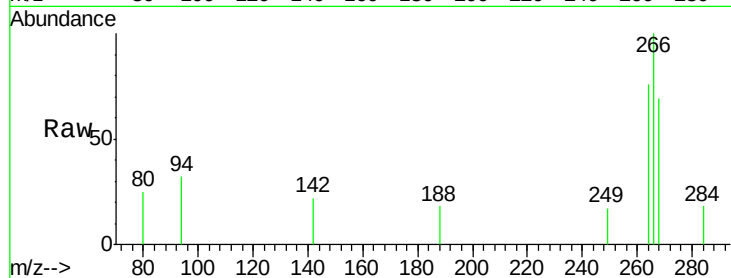




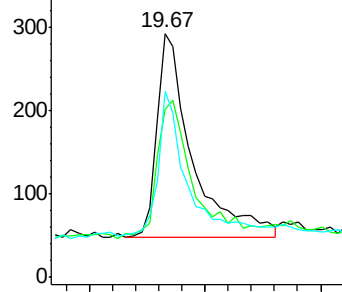
#19
 Pentachlorophenol
 Concen: 0.97 ng
 RT: 19.67 min Scan# 3192
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

Instrument :
 BNA_E
 ClientSampleId :

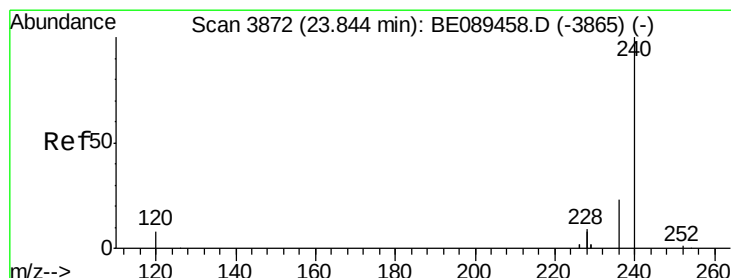
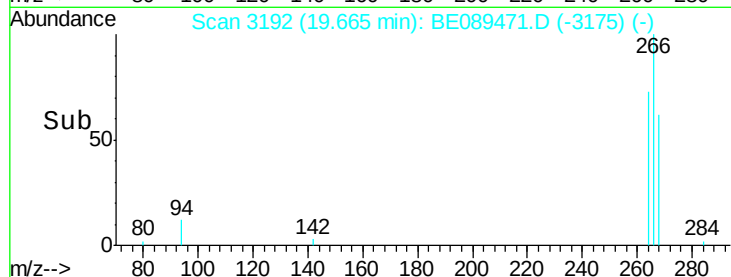
Tgt Ion:266 Resp: 526
 Ion Ratio Lower Upper
 266 100
 268 68.9 52.6 78.8
 264 76.5 52.2 78.2



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

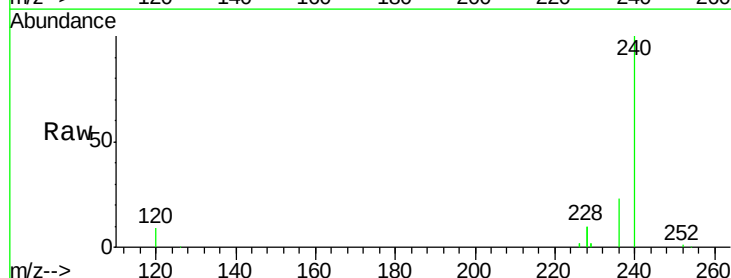


Time-->

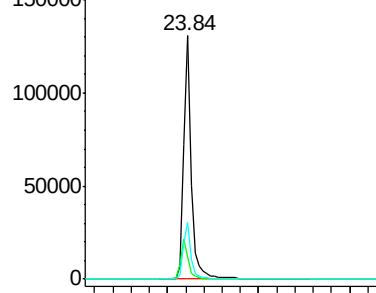


#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

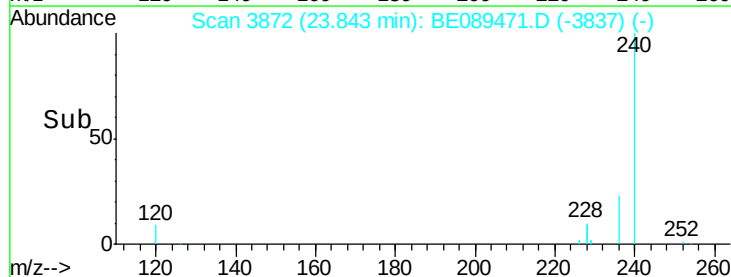
Tgt Ion:240 Resp: 155106
 Ion Ratio Lower Upper
 240 100
 120 9.0 6.2 9.4
 236 23.3 18.2 27.4

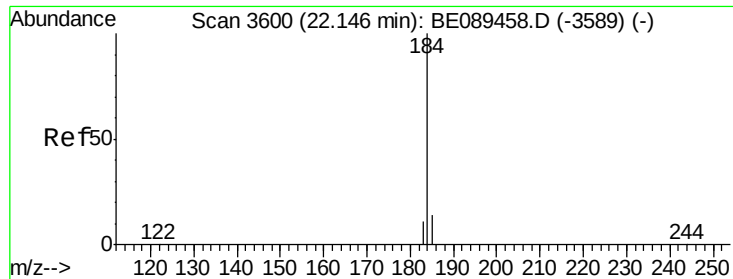


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#21

Benzidine

Concen: 1.05 ng

RT: 22.15 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

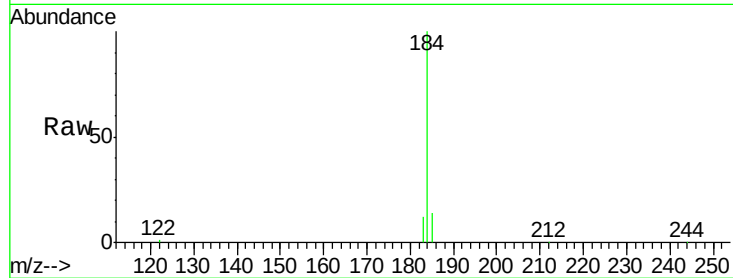
Tgt Ion:184 Resp: 14179

Ion Ratio Lower Upper

184 100

185 13.6 11.7 17.5

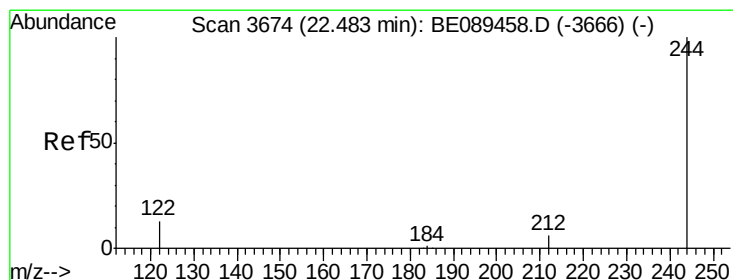
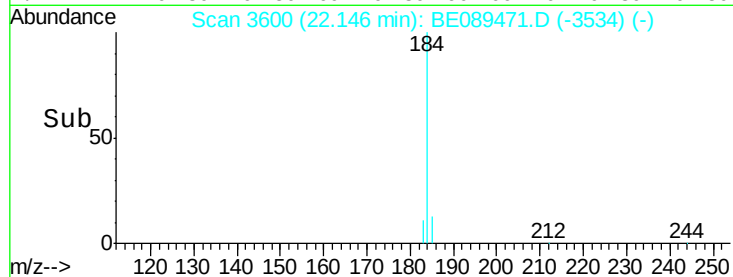
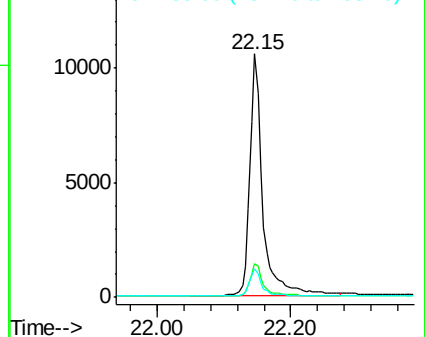
183 11.9 9.4 14.0



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: 1.07 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

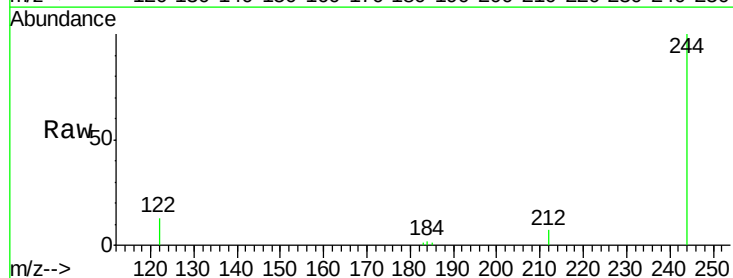
Tgt Ion:244 Resp: 18757

Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

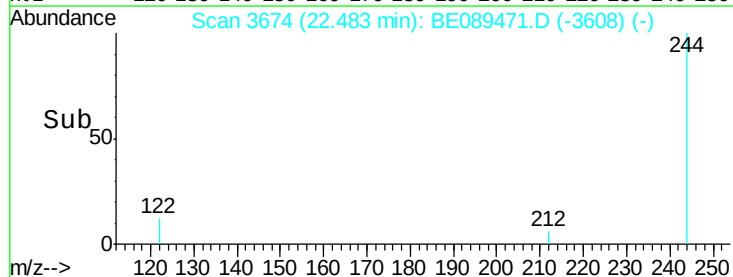
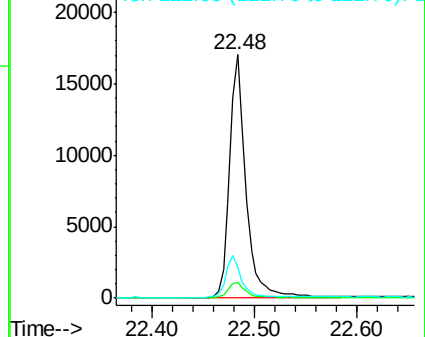
122 12.8 10.5 15.7

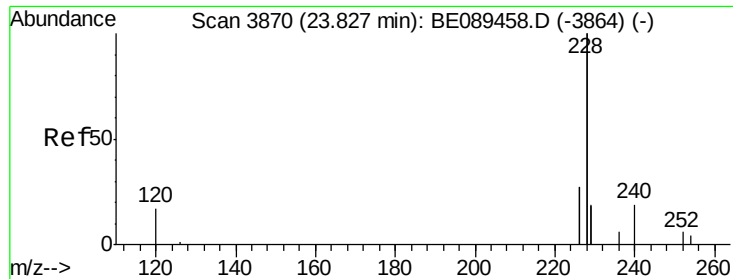


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 1.03 ng

RT: 23.83 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

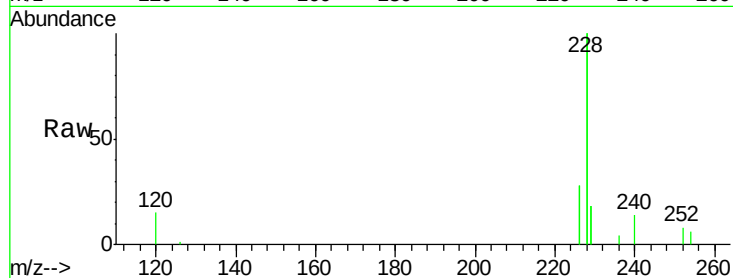
Tgt Ion: 228 Resp: 127686

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

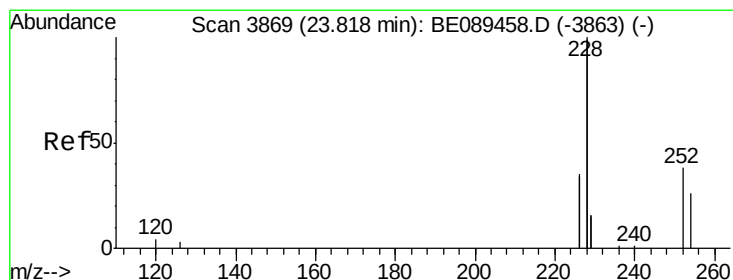
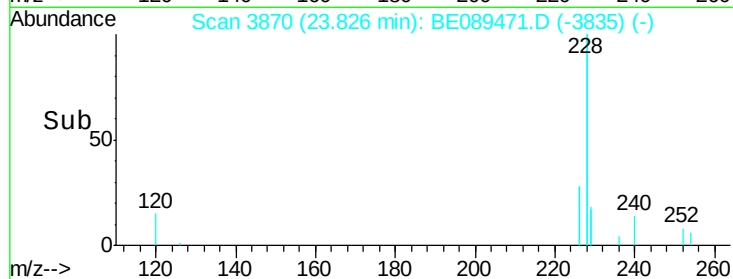
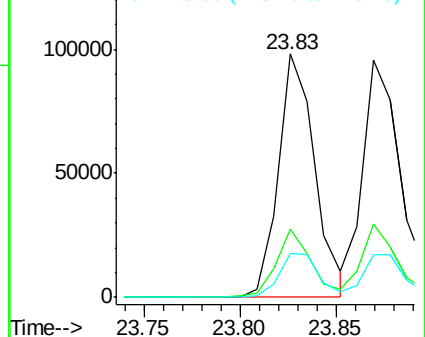
229 17.9 14.8 22.2



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



#24

3,3'-Dichlorobenzidine

Concen: 0.93 ng

RT: 23.82 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

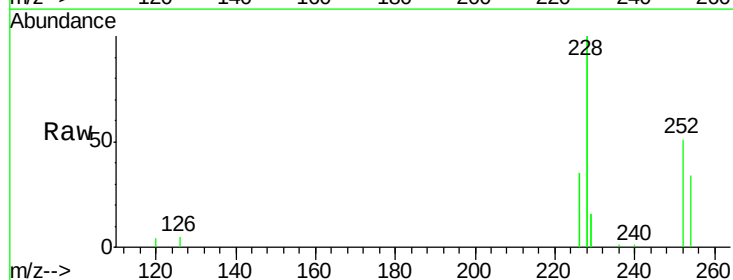
Tgt Ion: 252 Resp: 11181

Ion Ratio Lower Upper

252 100

254 66.2 54.6 82.0

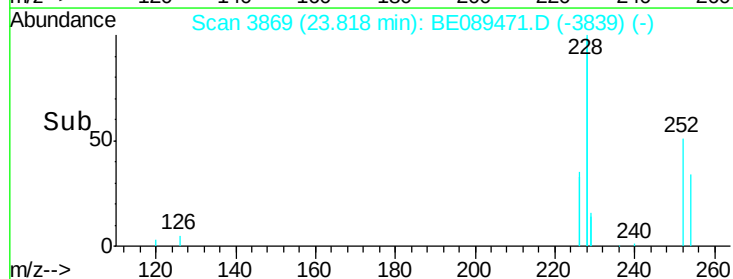
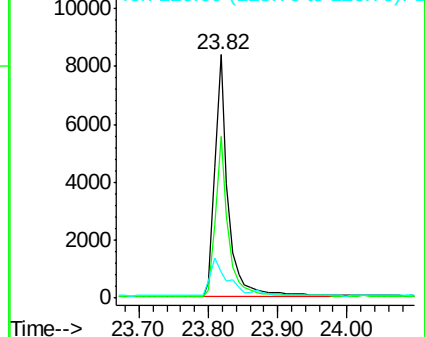
126 10.5 8.0 12.0

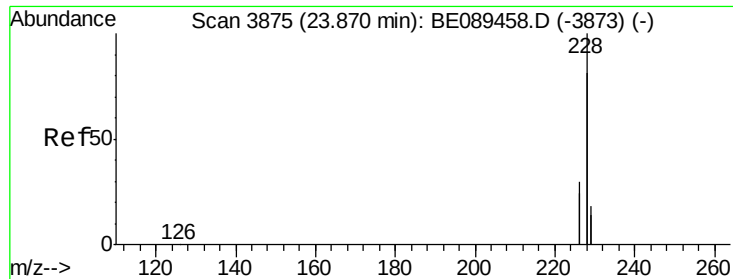


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.97 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :

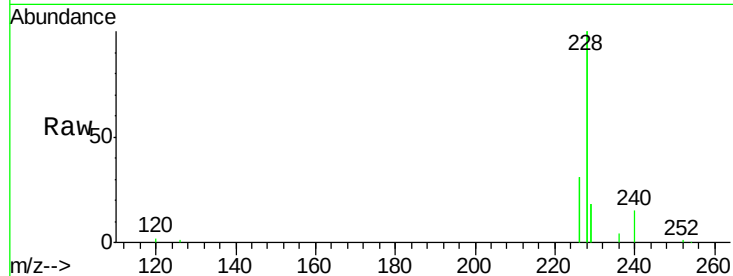
Tgt Ion:228 Resp: 146017

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.8

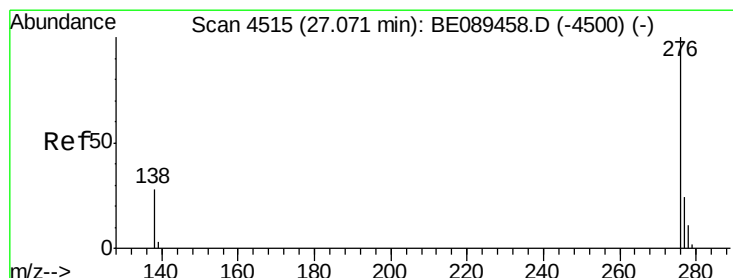
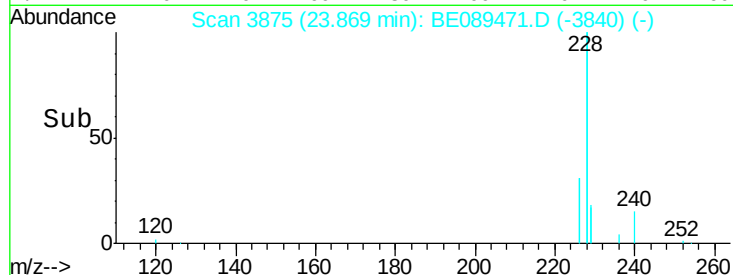
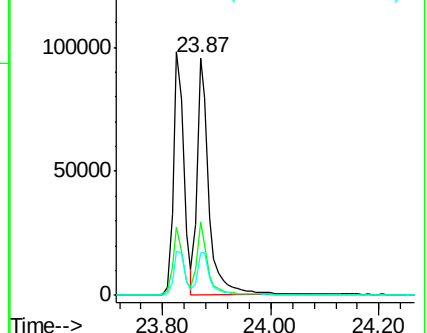
229 17.8 14.3 21.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.80 ng

RT: 27.07 min Scan# 4514

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

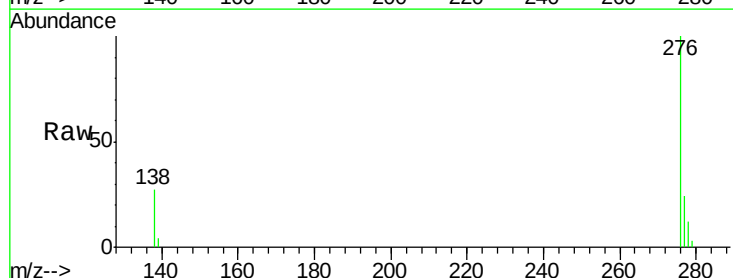
Tgt Ion:276 Resp: 39880

Ion Ratio Lower Upper

276 100

138 30.2 23.3 34.9

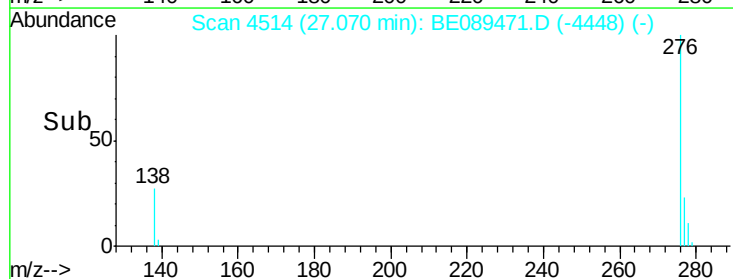
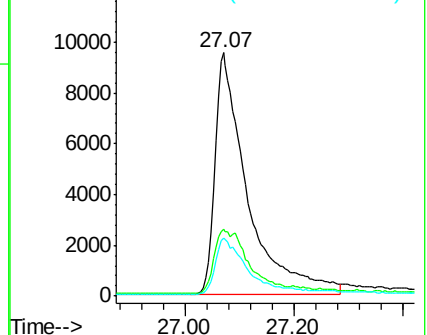
277 24.1 19.0 28.4

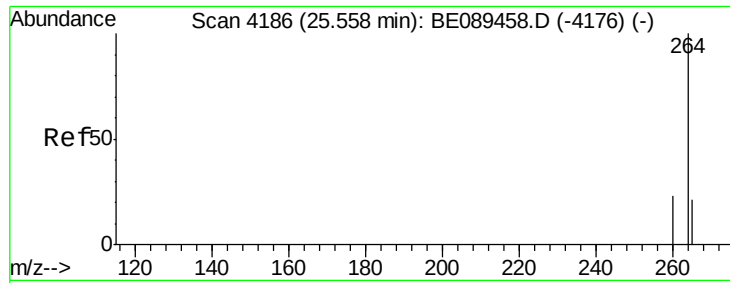


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

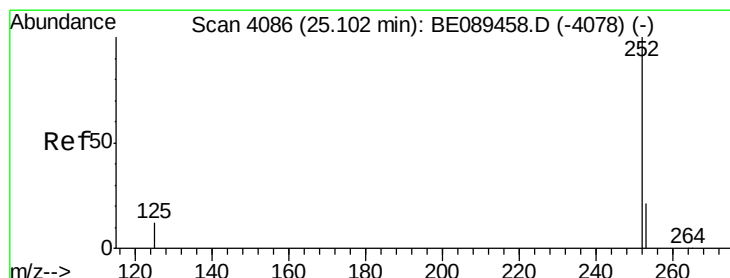
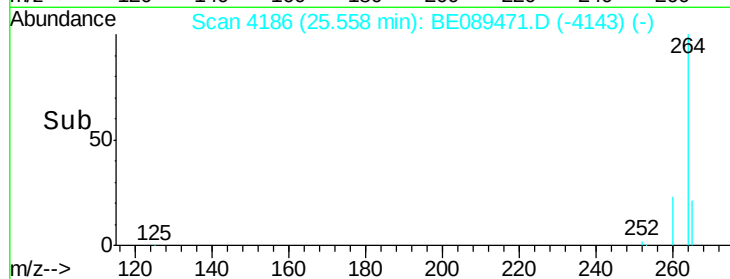
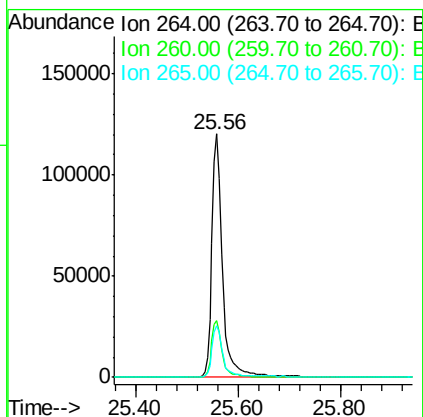
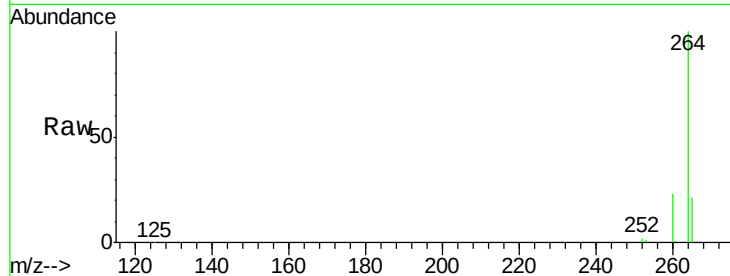




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4186
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

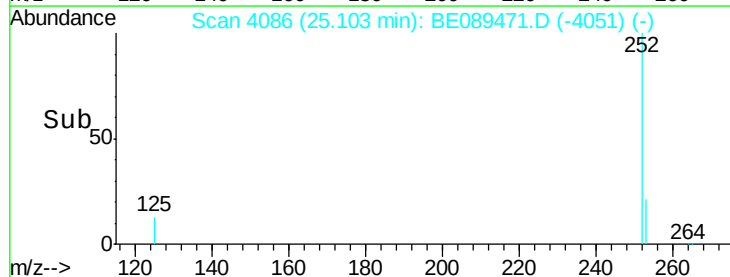
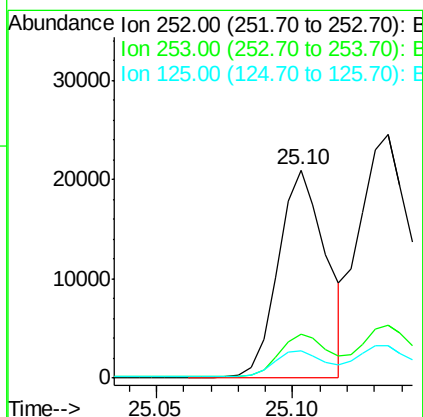
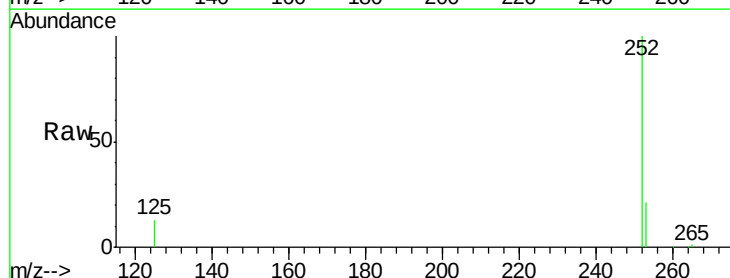
Instrument :
 BNA_E
 ClientSampleId :

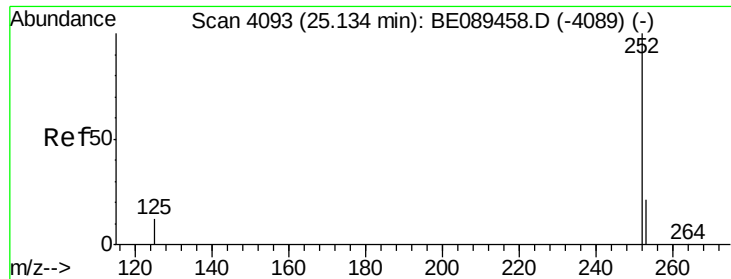
Tgt Ion: 264 Resp: 171810
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.2 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 0.97 ng
 RT: 25.10 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 1:41

Tgt Ion: 252 Resp: 25355
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.4 26.0
 125 13.3 10.4 15.6

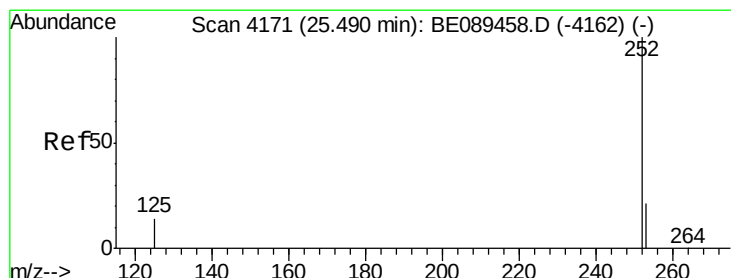
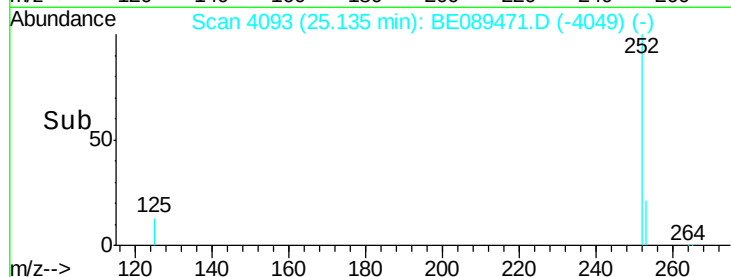
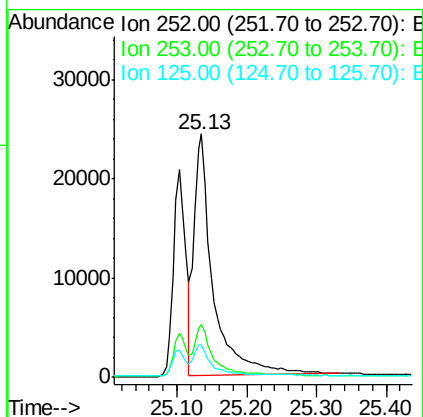
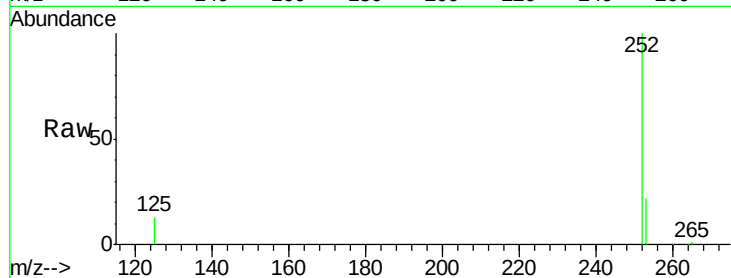




#29
Benzo(k)fluoranthene
Concen: 1.07 ng
RT: 25.13 min Scan# 4093
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 1:41

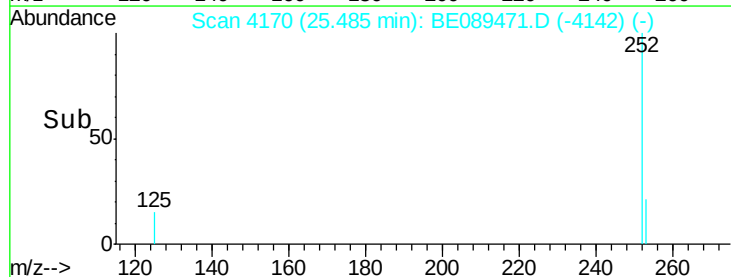
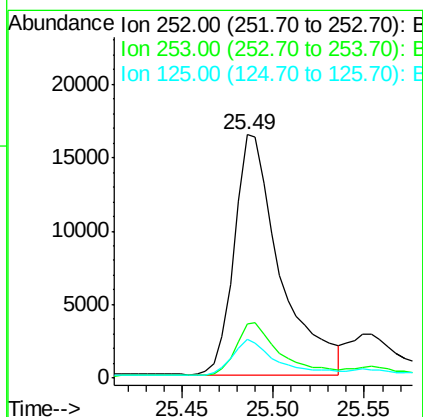
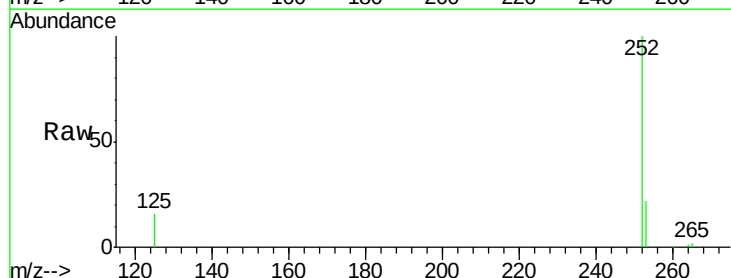
Instrument :
BNA_E
ClientSampleId :

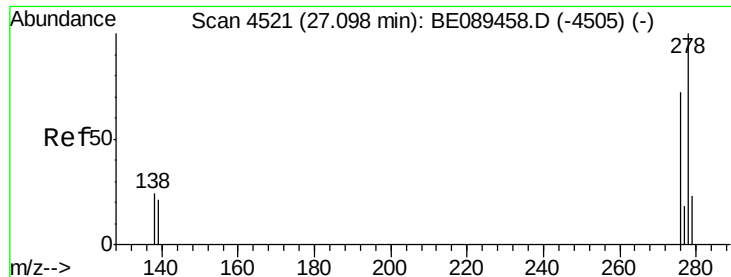
Tgt Ion: 252 Resp: 45783
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 13.1 10.3 15.5



#30
Benzo(a)pyrene
Concen: 0.98 ng
RT: 25.49 min Scan# 4170
Delta R.T. -0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 1:41

Tgt Ion: 252 Resp: 28697
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 15.9 11.8 17.8





#31

Dibenzo(a,h)anthracene

Concen: 0.89 ng

RT: 27.10 min Scan# 4520

Delta R.T. 0.00 min

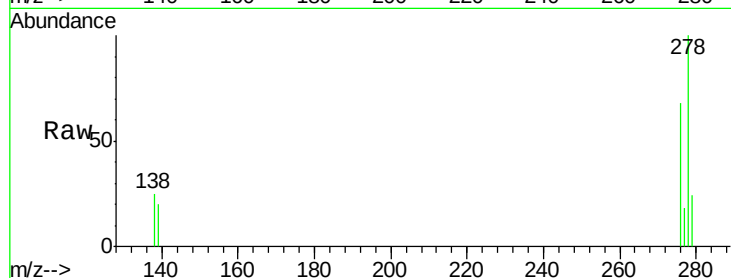
Lab File: BE089471.D

Acq: 3 Feb 2015 1:41

Instrument :

BNA_E

ClientSampleId :



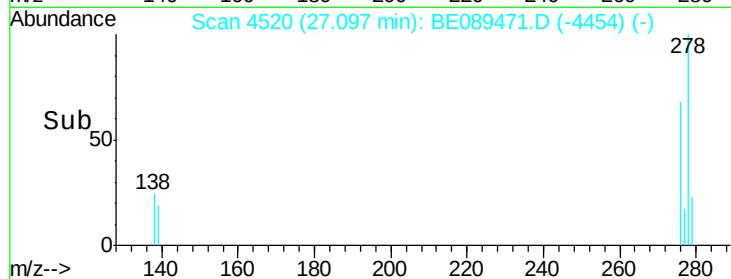
Tgt Ion: 278 Resp: 33674

Ion Ratio Lower Upper

278 100

139 20.4 17.1 25.7

279 23.9 18.8 28.2



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

