

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012815\
 Data File : BE089409.D
 Acq On : 29 Jan 2015 4:19
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 29 05:38:11 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 04:21:19 2015
 Response via : Initial Calibration

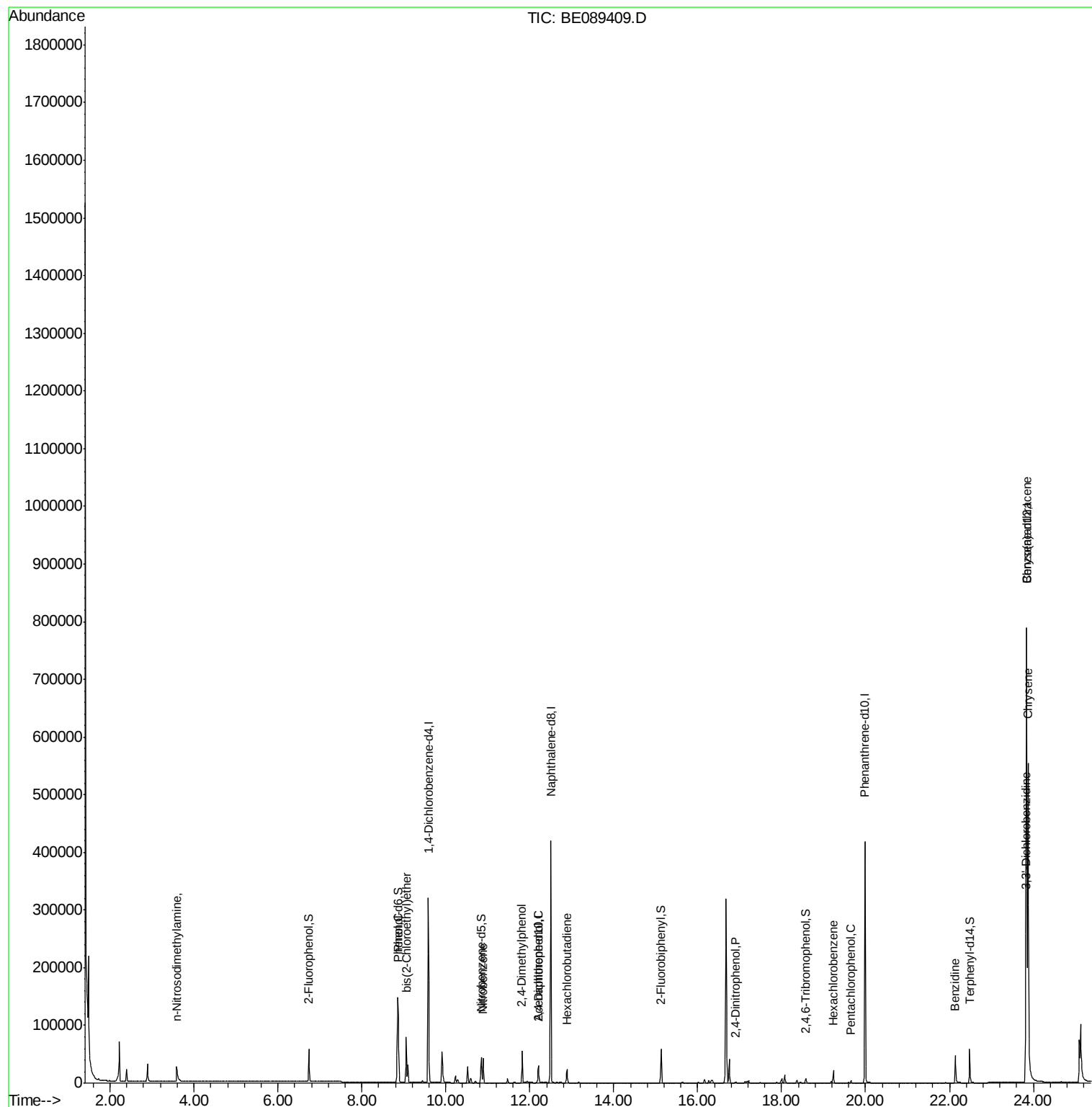
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	135439	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	477318	5.00	ng	0.00
13) Acenaphthene-d10	12.21	164	13552	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	400914	5.00	ng	0.00
20) Chrysene-d12	23.84	240	473197	5.00	ng	0.00
27) Perylene-d12	0.00	264	0	0.00	ng	-25.55
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	39560	0.93	ng	0.00
4) Phenol-d6	8.85	99	49461	0.95	ng	0.01
8) Nitrobenzene-d5	10.84	82	32469	0.97	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	4554	0.40	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	55218	0.39	ng	0.00
22) Terphenyl-d14	22.48	244	57417	1.10	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	21691	0.90	ng	98
5) Phenol	8.87	94	53209	0.96	ng	# 69
6) bis(2-Chloroethyl)ether	9.06	93	38751	0.94	ng	# 99
9) Nitrobenzene	10.89	77	36948	0.97	ng	100
10) 2,4-Dimethylphenol	11.82	122	27969	0.97	ng	93
11) 2,4-Dichlorophenol	12.21	162	21718	0.97	ng	96
12) Hexachlorobutadiene	12.89	225	14342	0.91	ng	99
16) 2,4-Dinitrophenol	16.89	184	798	1.13	ng	95
18) Hexachlorobenzene	19.23	284	17090	0.93	ng	98
19) Pentachlorophenol	19.65	266	2825	0.79	ng	95
21) Benzidine	22.14	184	52565	0.94	ng	98
23) Benzo(a)anthracene	23.83	228	445109	1.02	ng	99
24) 3,3'-Dichlorobenzidine	23.81	252	36916	1.06	ng	99
25) Chrysene	23.87	228	499703	0.93	ng	100

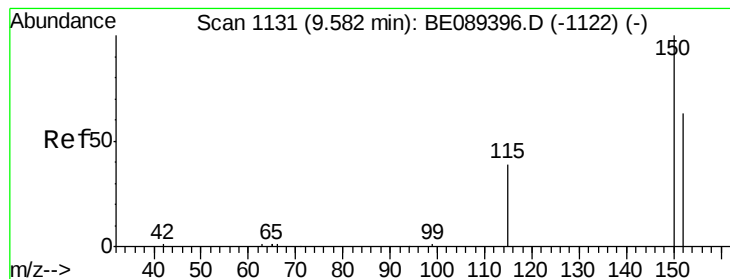
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

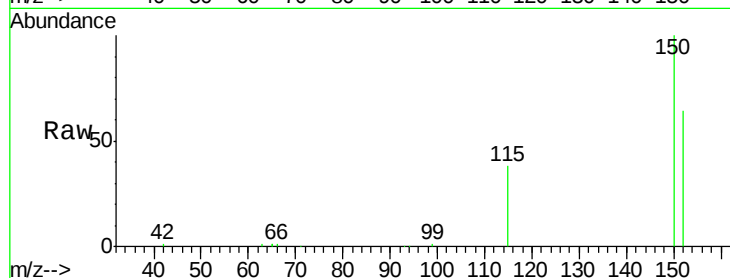
Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :



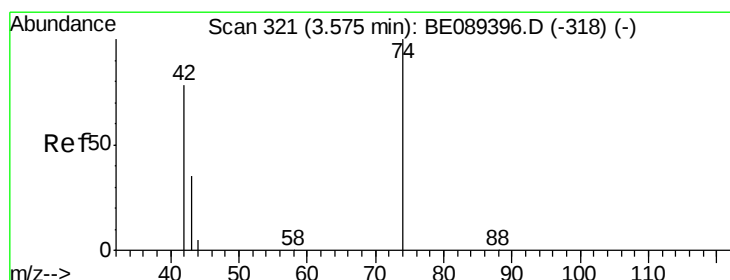
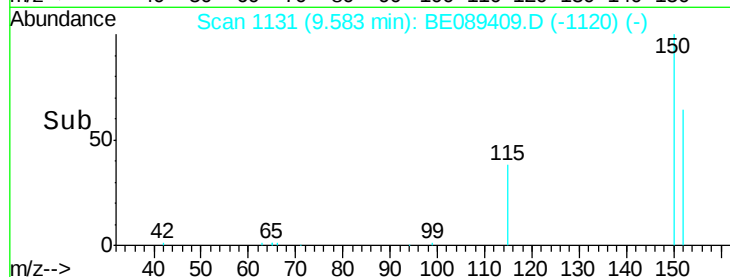
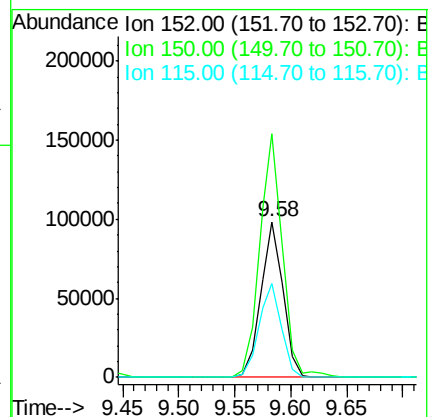
Tgt Ion: 152 Resp: 135439

Ion Ratio Lower Upper

152 100

150 156.2 127.2 190.8

115 60.1 49.3 73.9



#2

n-Nitrosodimethylamine

Concen: 0.90 ng

RT: 3.58 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

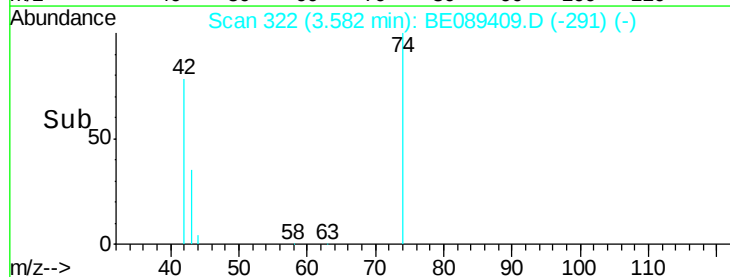
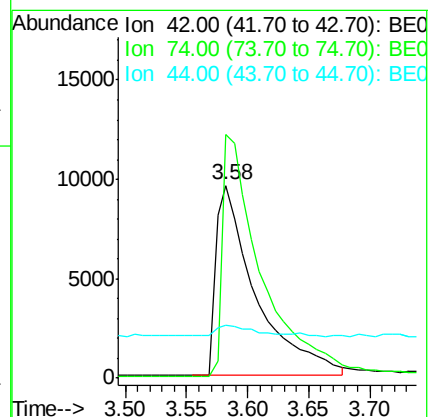
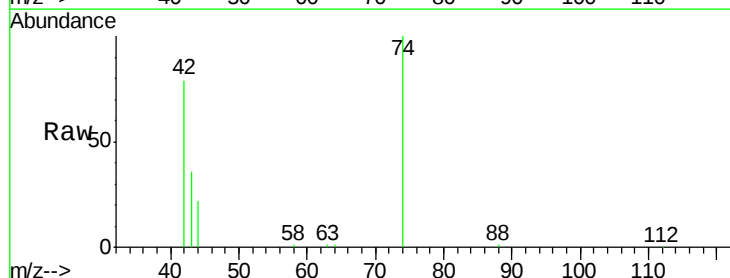
Tgt Ion: 42 Resp: 21691

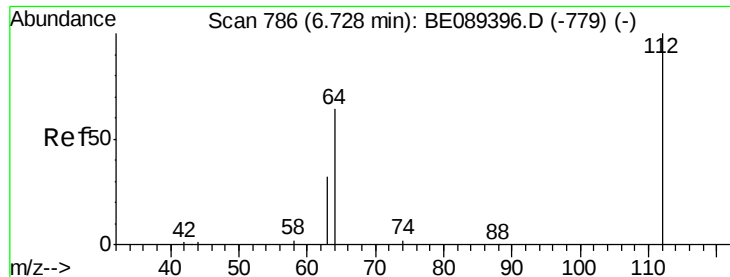
Ion Ratio Lower Upper

42 100

74 126.2 101.2 151.8

44 27.3 26.4 39.6

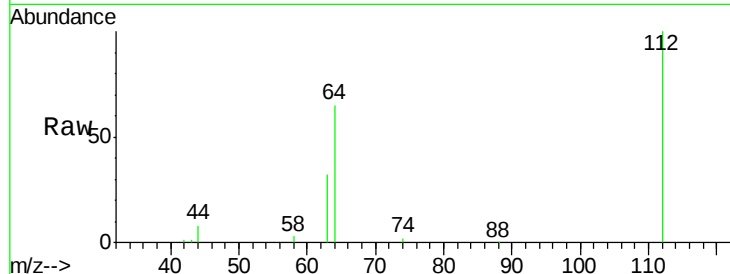




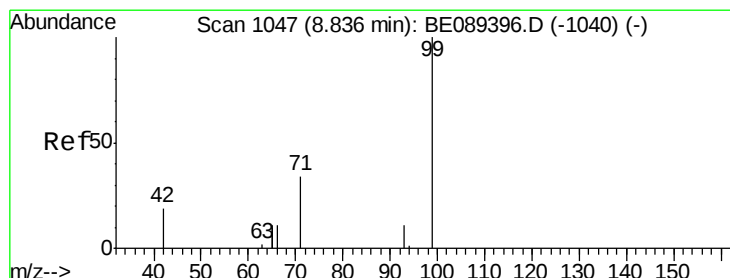
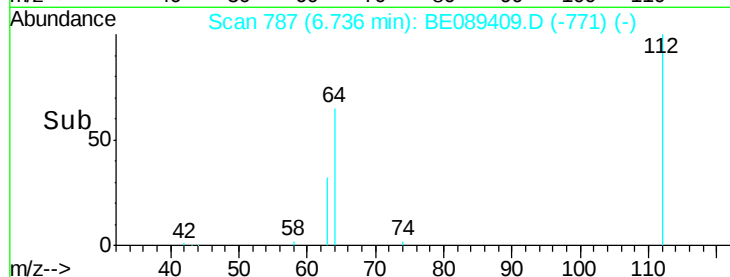
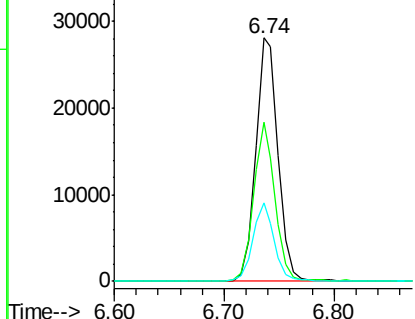
#3
 2-Fluorophenol
 Concen: 0.93 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 4:19

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 112 Resp: 39560
 Ion Ratio Lower Upper
 112 100
 64 65.4 51.7 77.5
 63 32.3 25.7 38.5

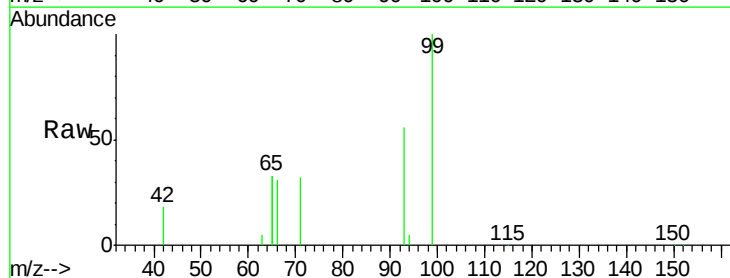


Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

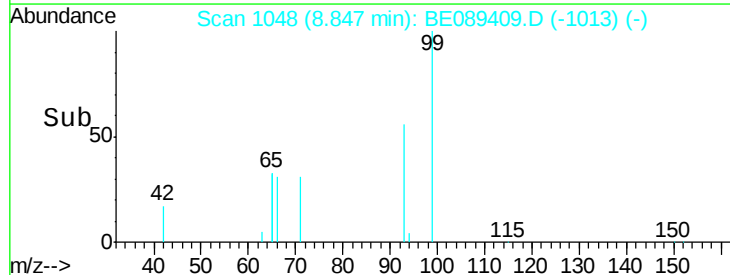
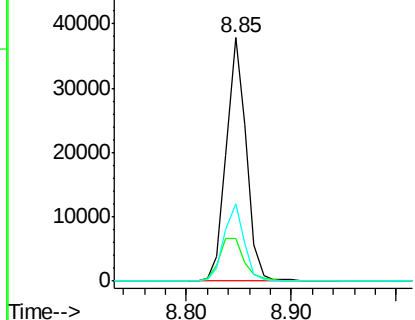


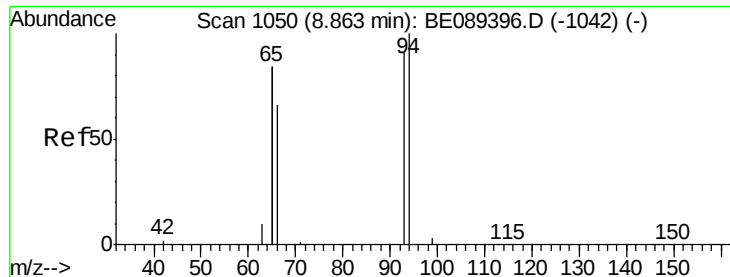
#4
 Phenol-d6
 Concen: 0.95 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 4:19

Tgt Ion: 99 Resp: 49461
 Ion Ratio Lower Upper
 99 100
 42 17.7 15.3 22.9
 71 31.6 27.0 40.6



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: 0.96 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampled :

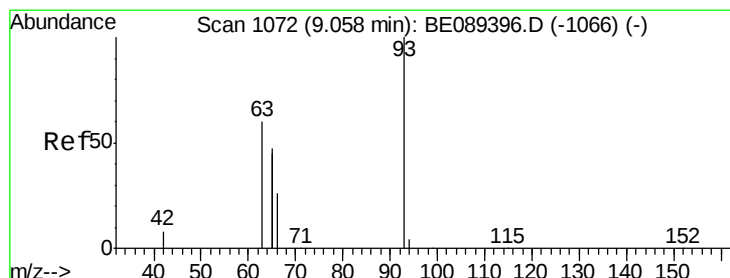
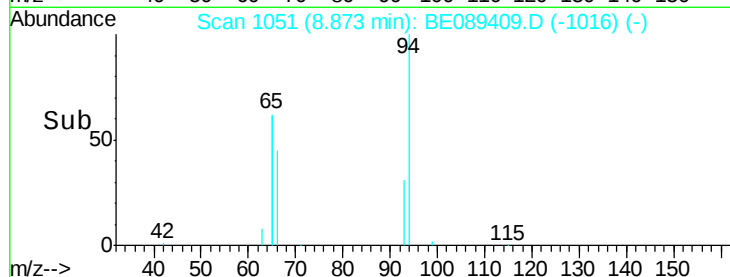
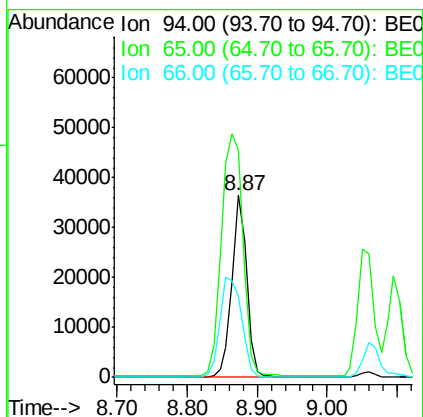
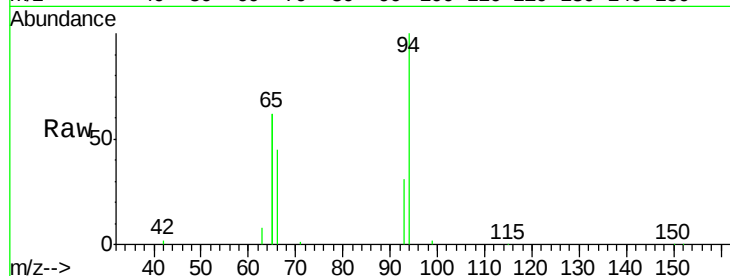
Tgt Ion: 94 Resp: 53209

Ion Ratio Lower Upper

94 100

65 124.5 148.6 188.6#

66 44.8 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.94 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

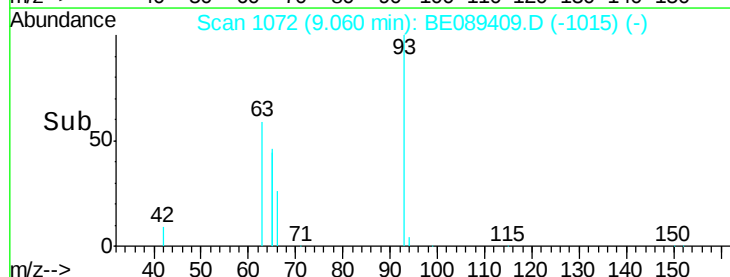
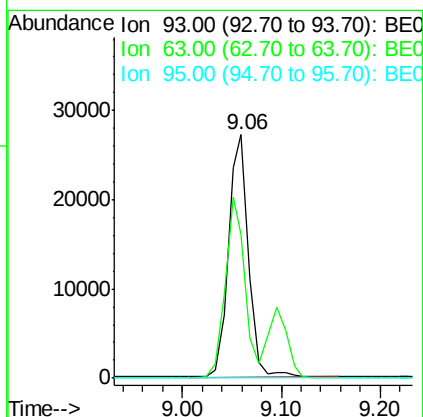
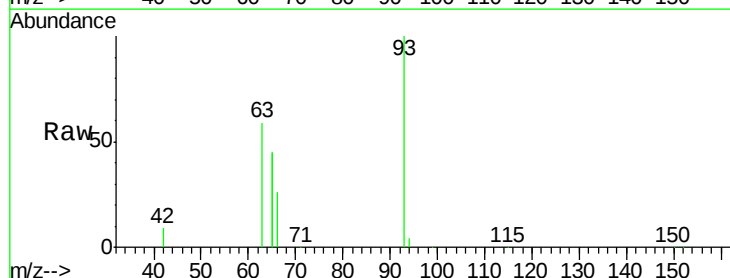
Tgt Ion: 93 Resp: 38751

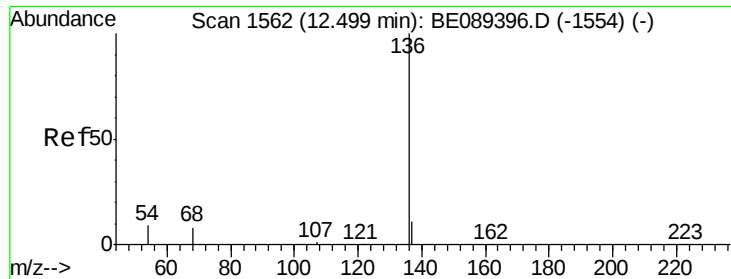
Ion Ratio Lower Upper

93 100

63 73.1 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :

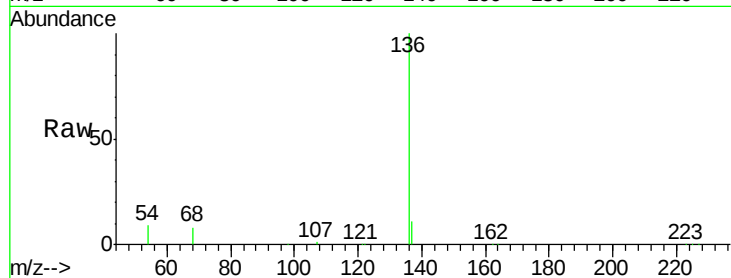
Tgt Ion: 136 Resp: 477318

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

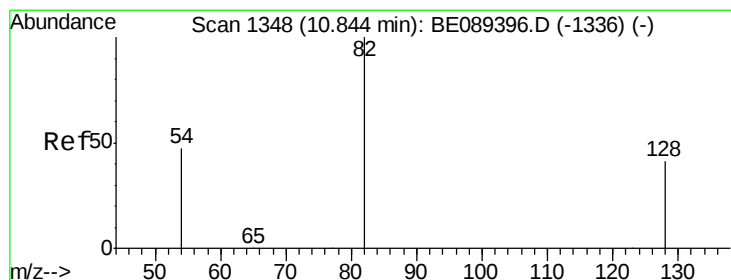
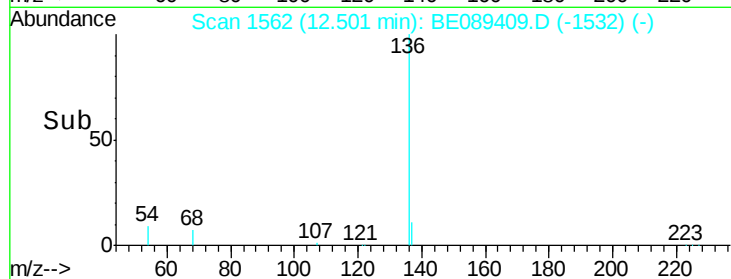
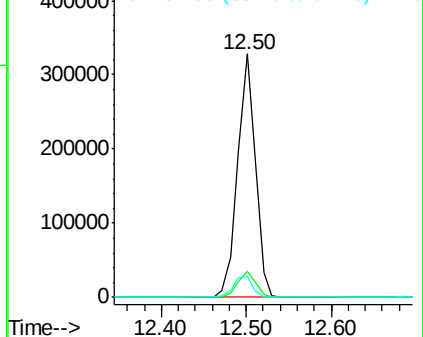
54 8.7 7.4 11.0



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.97 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

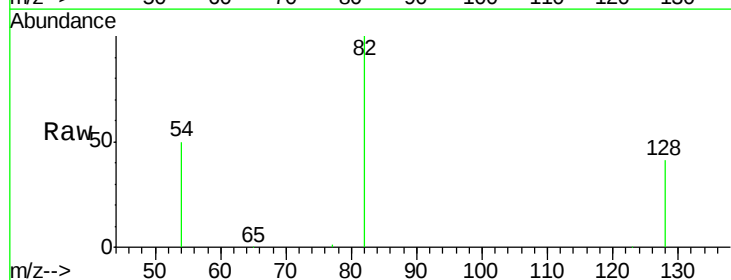
Tgt Ion: 82 Resp: 32469

Ion Ratio Lower Upper

82 100

128 41.2 33.6 50.4

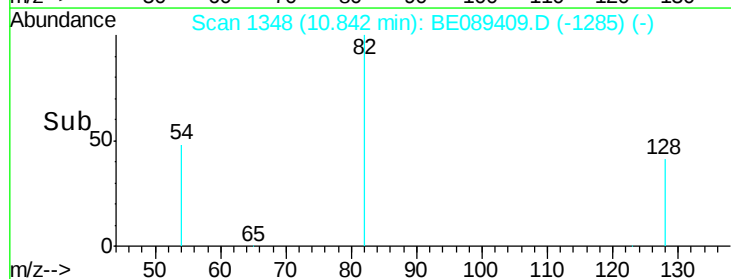
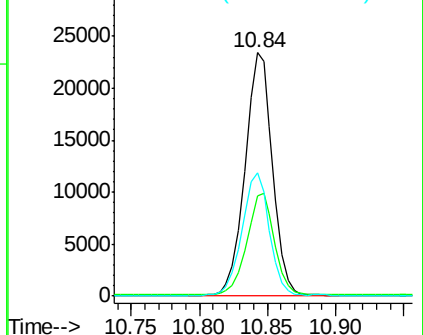
54 50.5 37.7 56.5

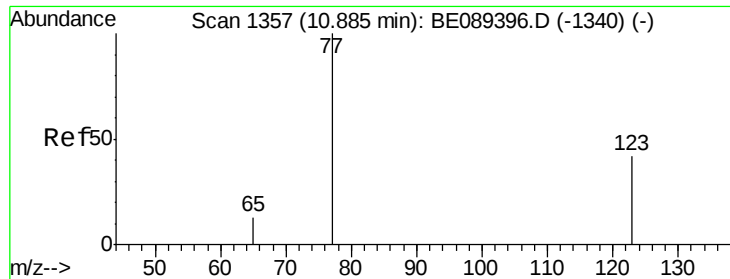


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.97 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :

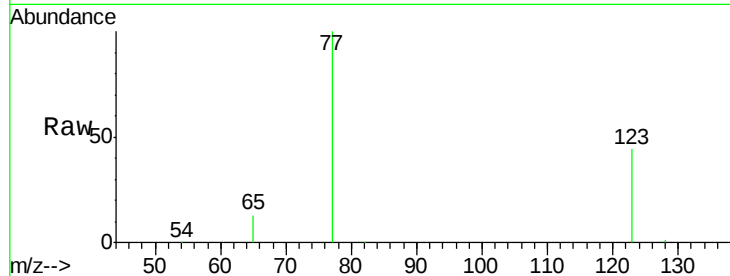
Tgt Ion: 77 Resp: 36948

Ion Ratio Lower Upper

77 100

123 43.7 34.7 52.1

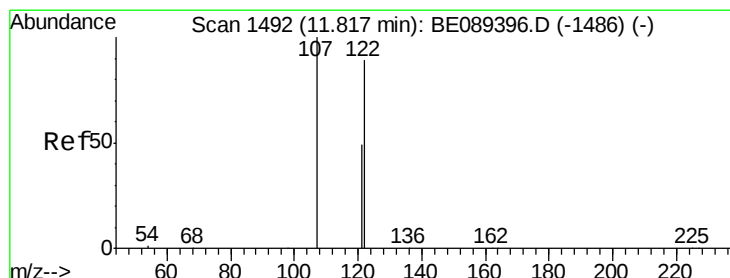
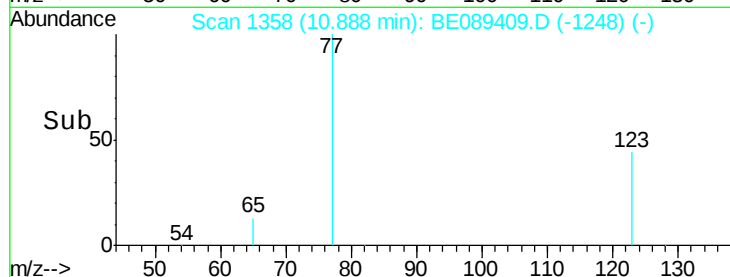
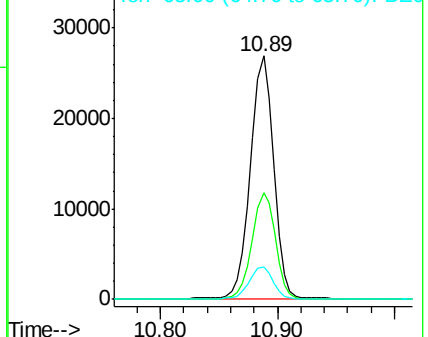
65 13.1 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BE089396.D (-1340) (-)

Ion 123.00 (122.70 to 123.70): BE089396.D (-1340) (-)

Ion 65.00 (64.70 to 65.70): BE089396.D (-1340) (-)



#10

2,4-Dimethylphenol

Concen: 0.97 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

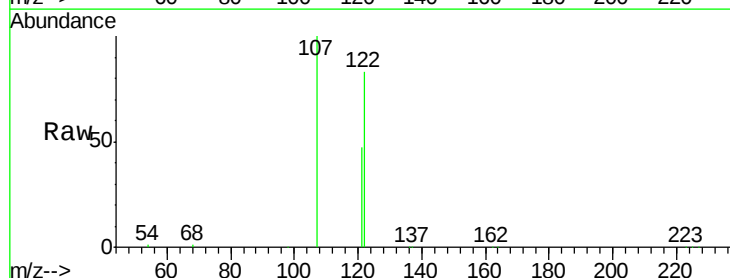
Tgt Ion: 122 Resp: 27969

Ion Ratio Lower Upper

122 100

107 121.1 89.4 134.2

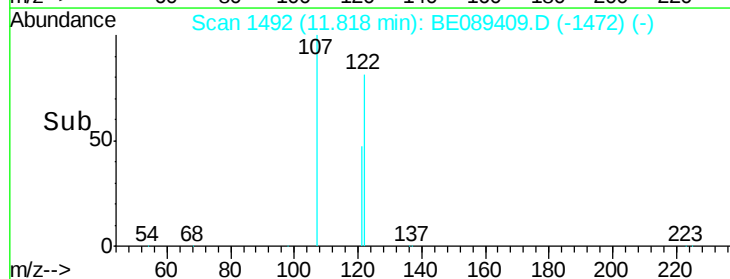
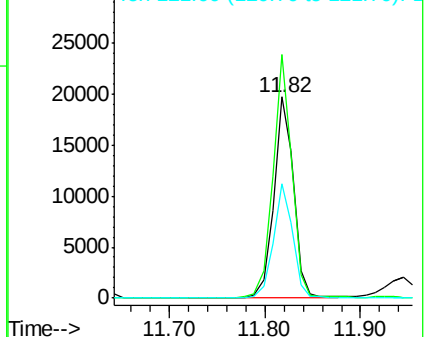
121 56.7 43.6 65.4

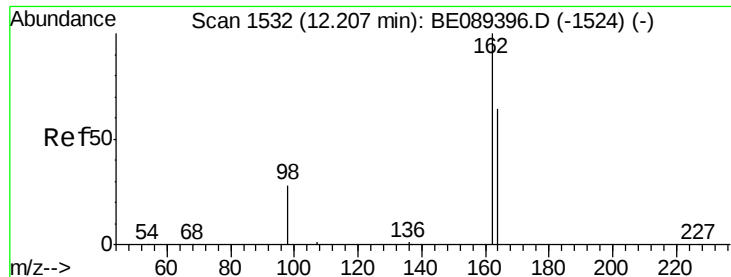


Abundance Ion 122.00 (121.70 to 122.70): BE089396.D (-1486) (-)

Ion 107.00 (106.70 to 107.70): BE089396.D (-1486) (-)

Ion 121.00 (120.70 to 121.70): BE089396.D (-1486) (-)

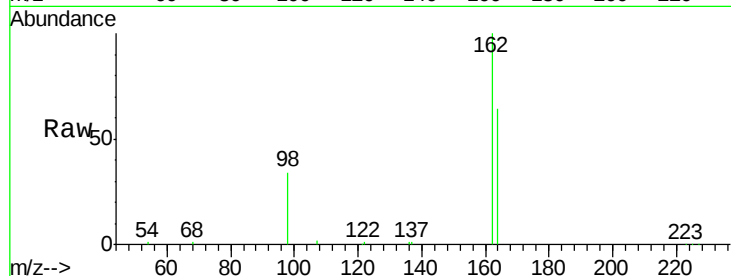




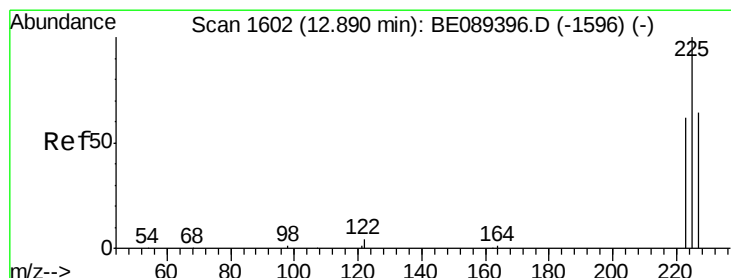
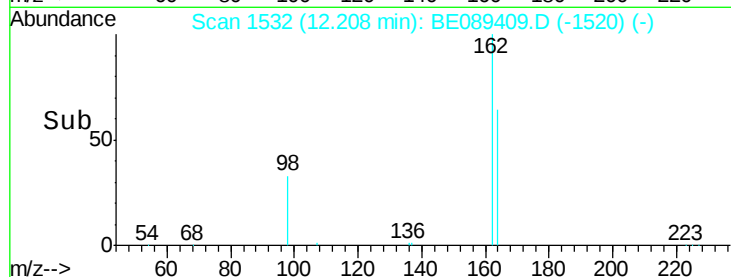
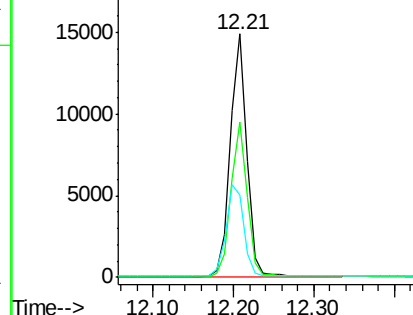
#11
 2,4-Dichlorophenol
 Concen: 0.97 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 4:19

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:162 Resp: 21718
 Ion Ratio Lower Upper
 162 100
 164 64.0 44.6 84.6
 98 33.8 8.7 48.7

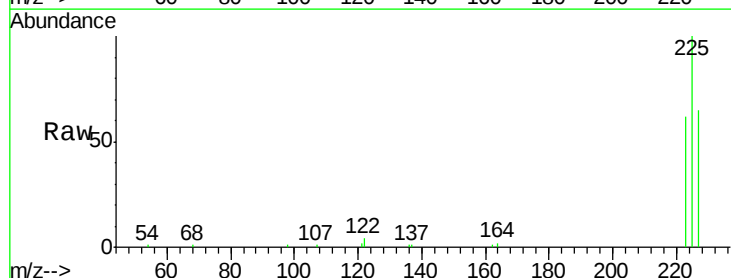


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BE0

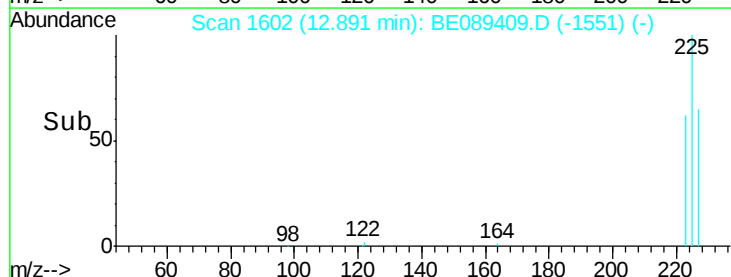
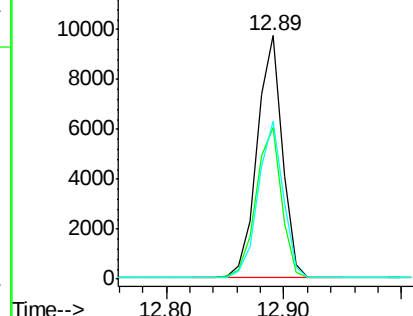


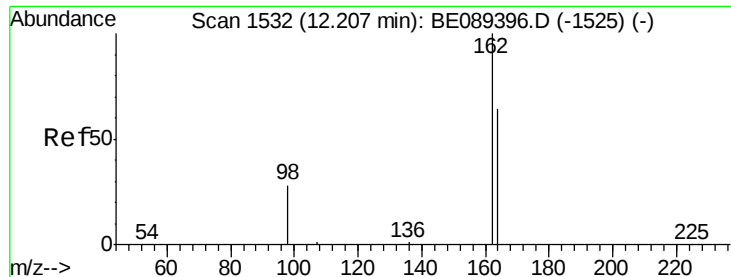
#12
 Hexachlorobutadiene
 Concen: 0.91 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 4:19

Tgt Ion:225 Resp: 14342
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.2 75.4
 227 64.2 50.5 75.7



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: 12.21 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :

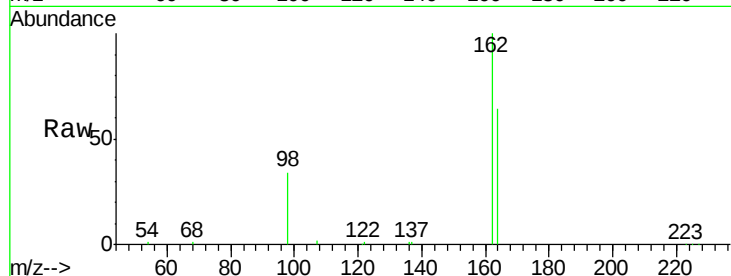
Tgt Ion:164 Resp: 13552

Ion Ratio Lower Upper

164 100

162 156.3 123.9 185.9

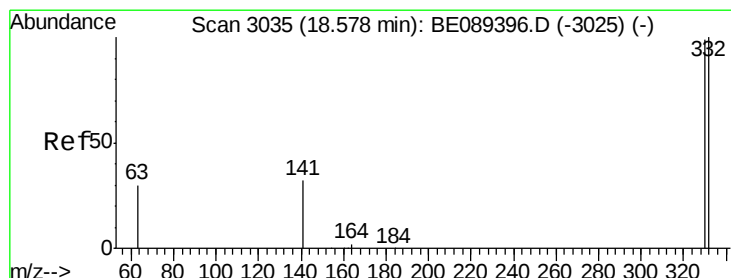
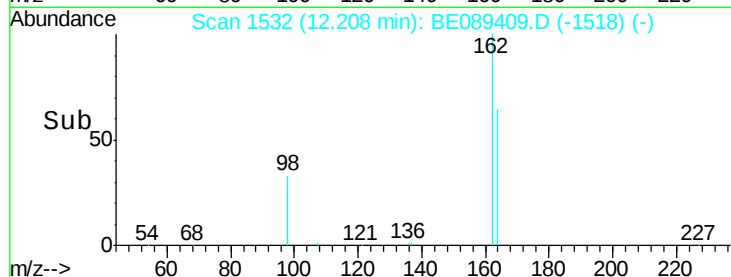
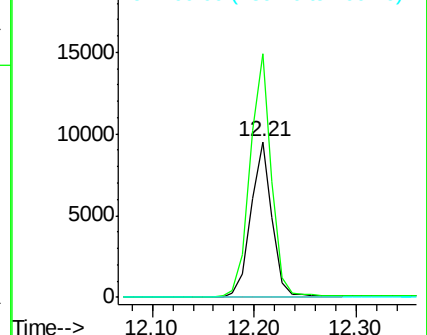
160 0.0 0.0 0.0



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: 0.40 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

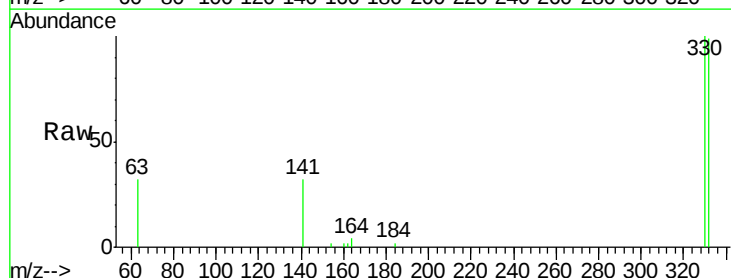
Tgt Ion:330 Resp: 4554

Ion Ratio Lower Upper

330 100

332 97.5 77.5 116.3

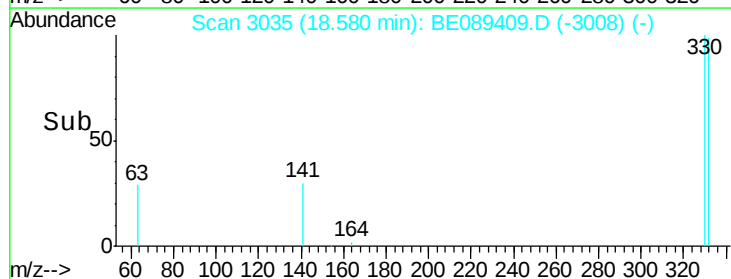
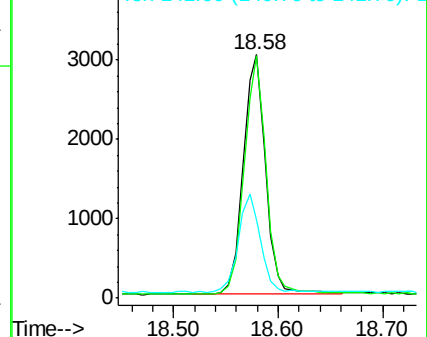
141 40.7 32.4 48.6

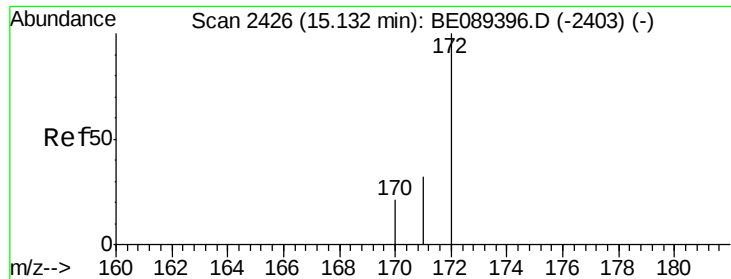


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

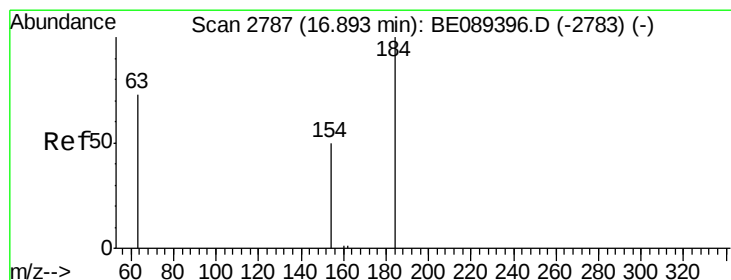
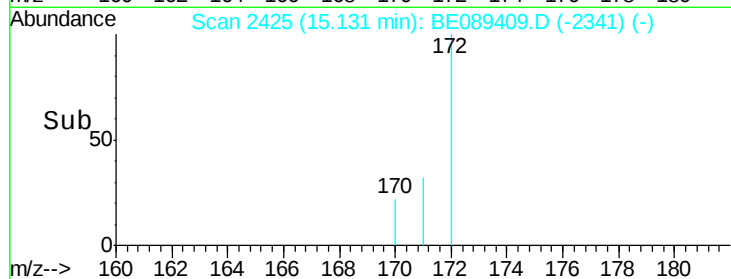
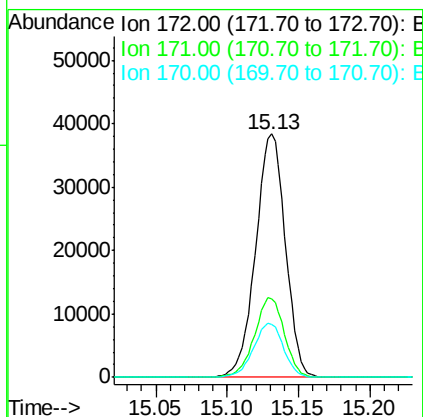
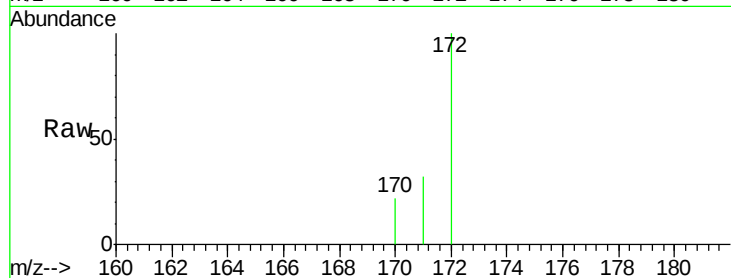




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 4:19

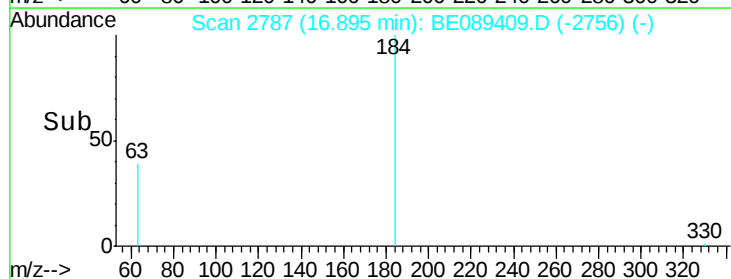
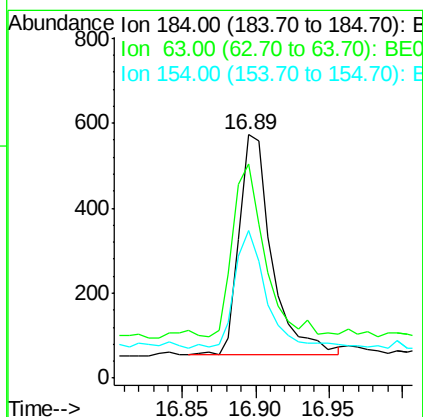
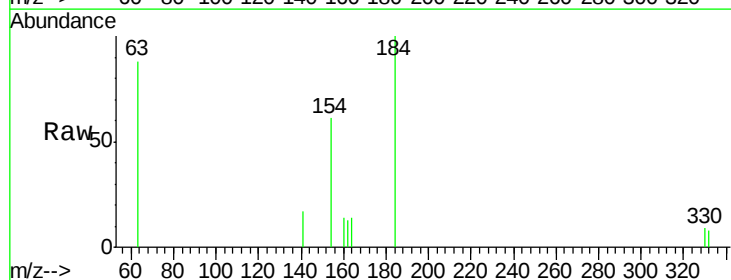
Instrument :
BNA_E
ClientSampleId :

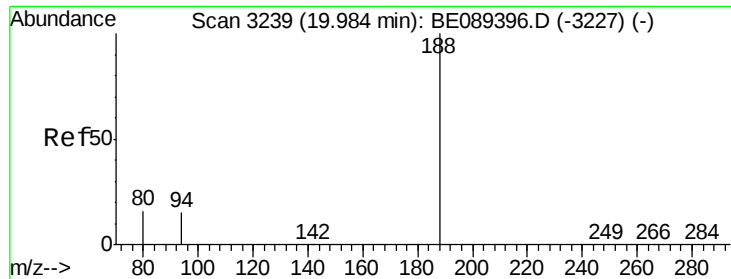
Tgt Ion:172 Resp: 55218
Ion Ratio Lower Upper
172 100
171 32.4 25.6 38.4
170 21.7 17.0 25.4



#16
2,4-Dinitrophenol
Concen: 1.13 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 4:19

Tgt Ion:184 Resp: 798
Ion Ratio Lower Upper
184 100
63 88.1 66.9 100.3
154 60.7 45.1 67.7





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.99 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :

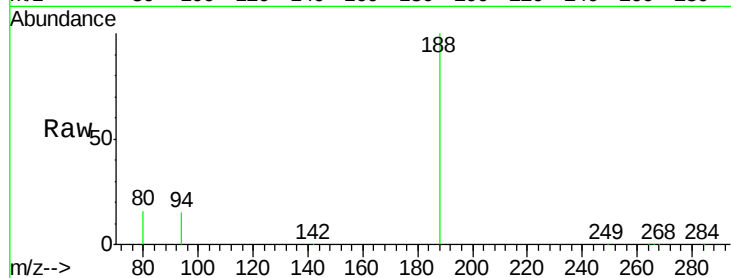
Tgt Ion:188 Resp: 400914

Ion Ratio Lower Upper

188 100

94 15.0 12.0 18.0

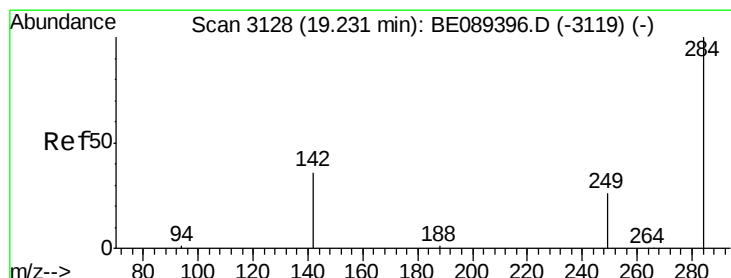
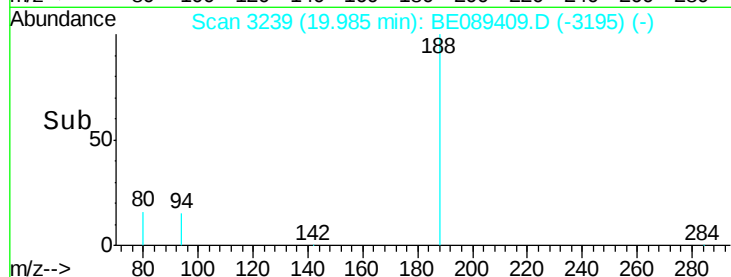
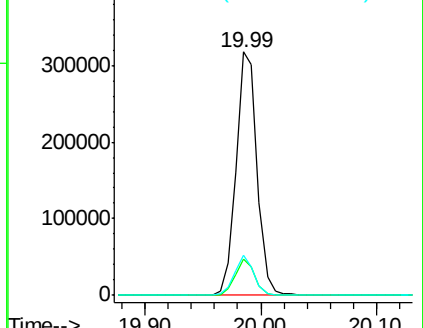
80 16.3 13.2 19.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 0.93 ng

RT: 19.23 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

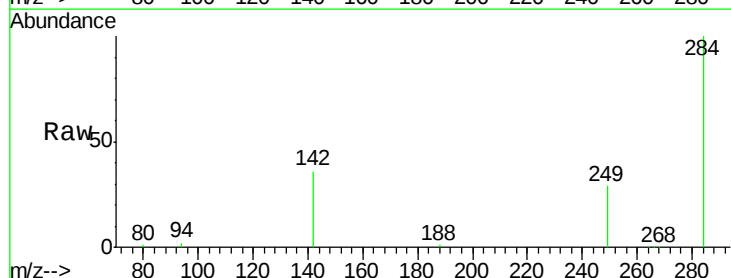
Tgt Ion:284 Resp: 17090

Ion Ratio Lower Upper

284 100

142 36.4 30.7 46.1

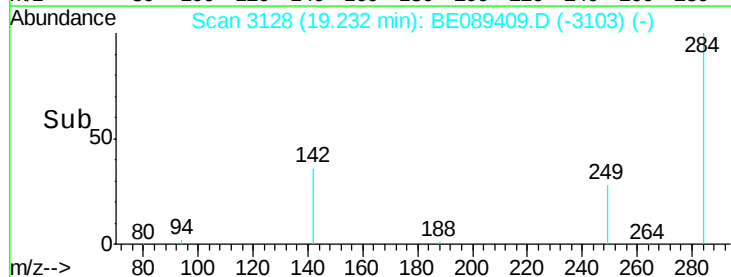
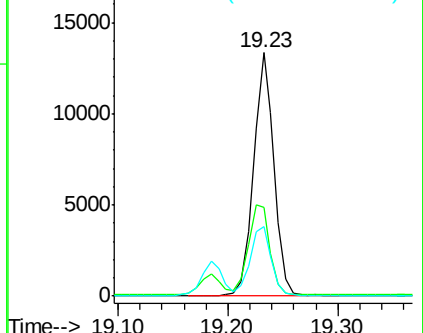
249 28.8 23.4 35.2

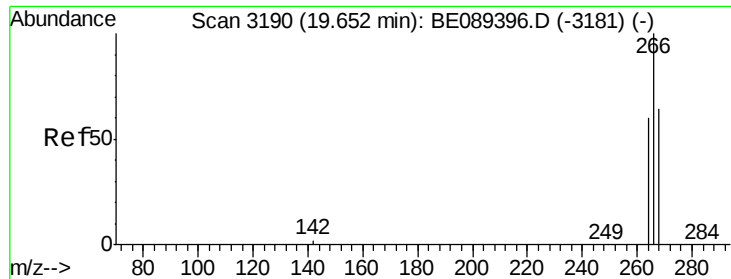


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

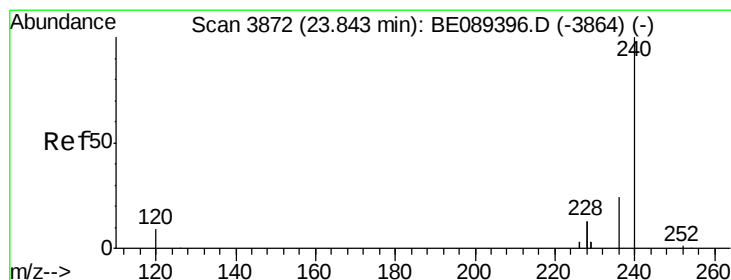
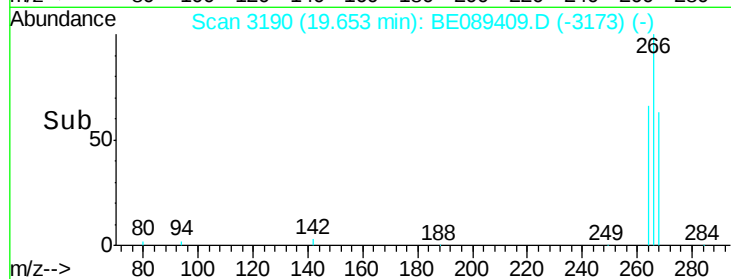
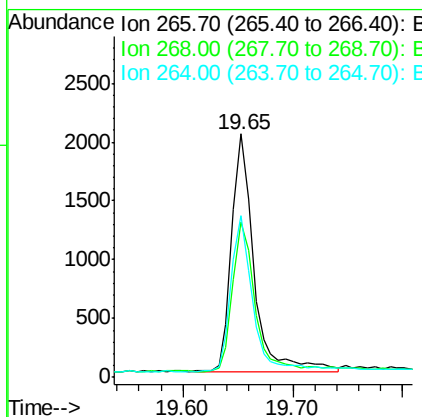
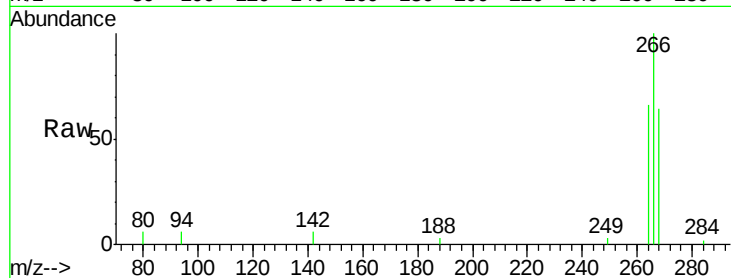




#19
 Pentachlorophenol
 Concen: 0.79 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 4:19

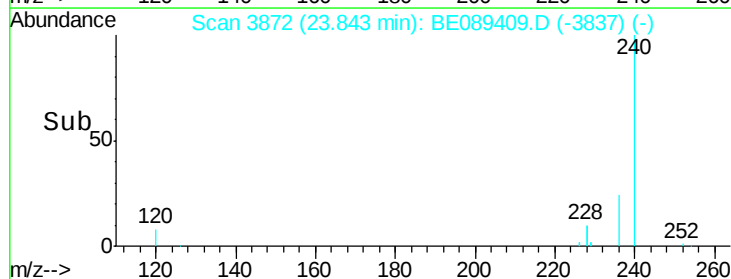
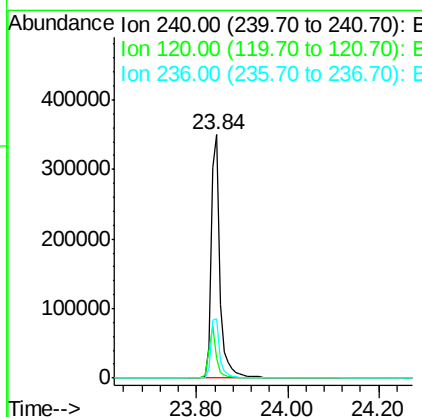
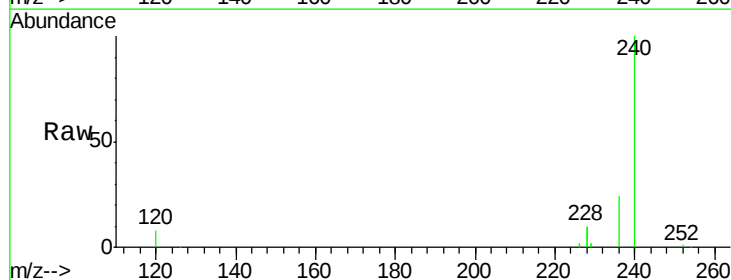
Instrument :
 BNA_E
 ClientSampled :

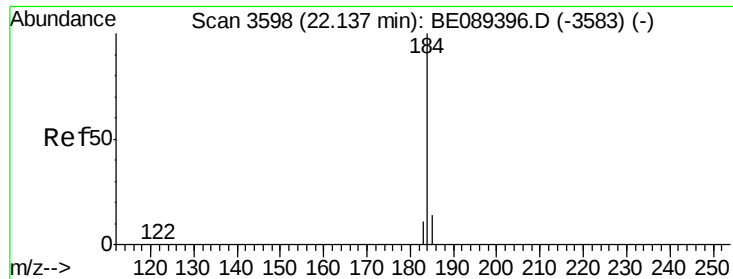
Tgt Ion: 266 Resp: 2825
 Ion Ratio Lower Upper
 266 100
 268 63.6 52.5 78.7
 264 66.4 48.8 73.2



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 4:19

Tgt Ion: 240 Resp: 473197
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.1 10.7
 236 24.3 19.5 29.3





#21

Benzidine

Concen: 0.94 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :

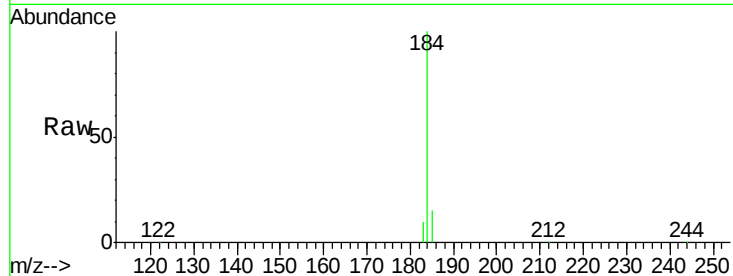
Tgt Ion:184 Resp: 52565

Ion Ratio Lower Upper

184 100

185 14.8 11.4 17.0

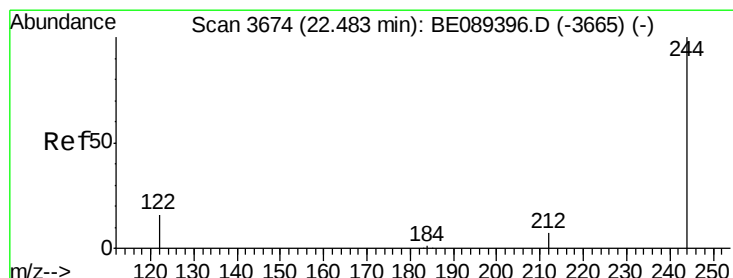
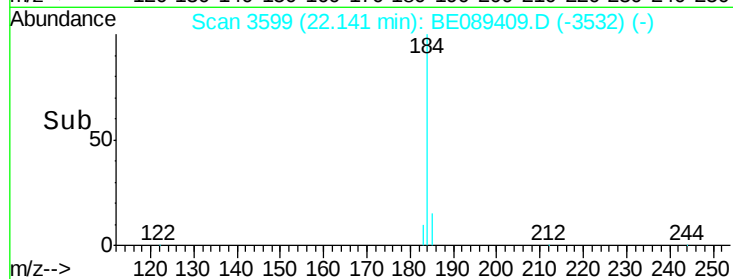
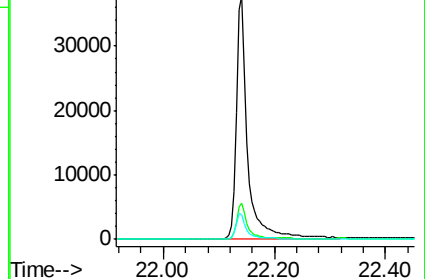
183 10.1 8.7 13.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#22

Terphenyl-d14

Concen: 1.10 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

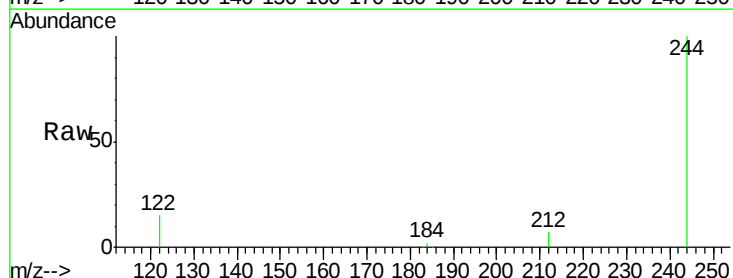
Tgt Ion:244 Resp: 57417

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

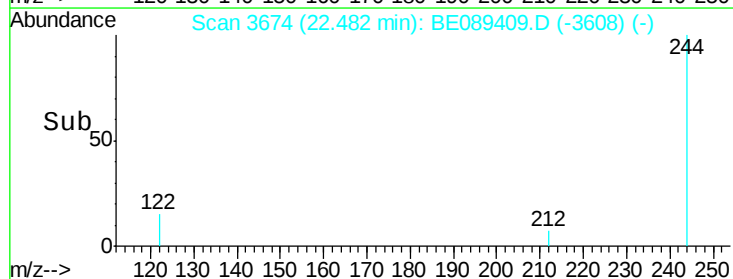
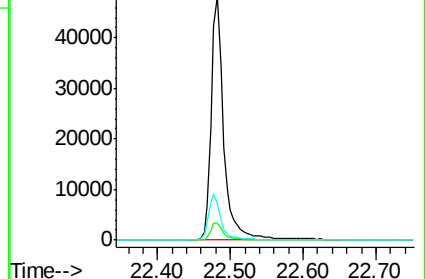
122 14.8 12.8 19.2

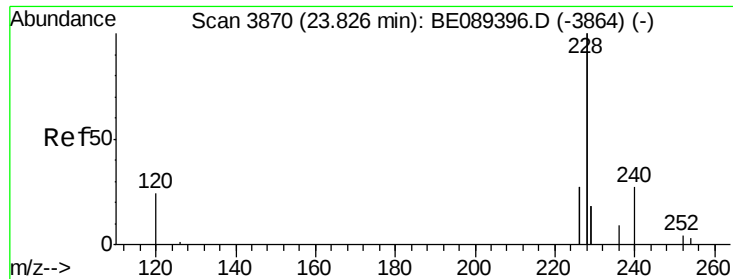


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

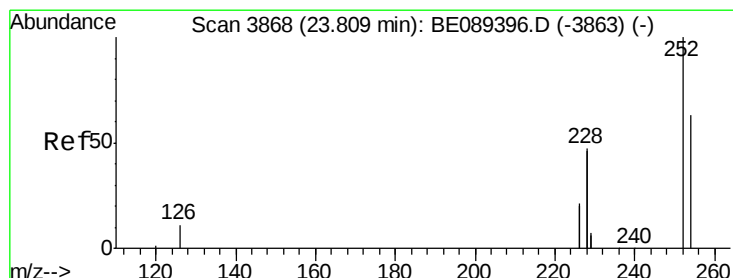
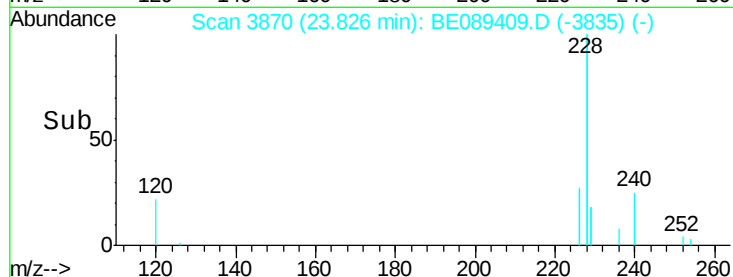
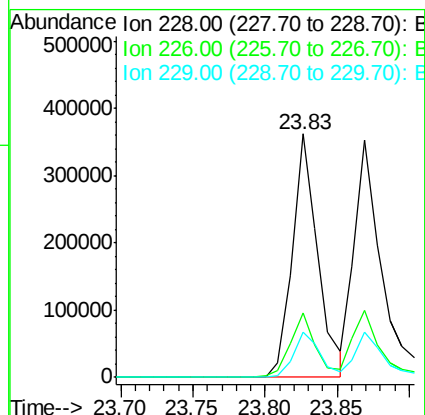
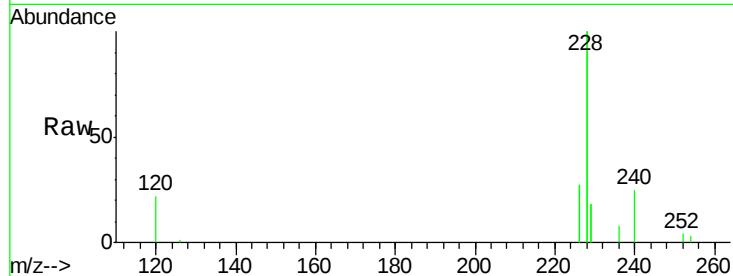




#23
Benzo(a)anthracene
Concen: 1.02 ng
RT: 23.83 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 4:19

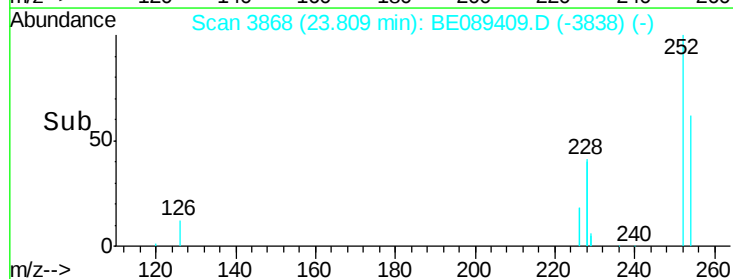
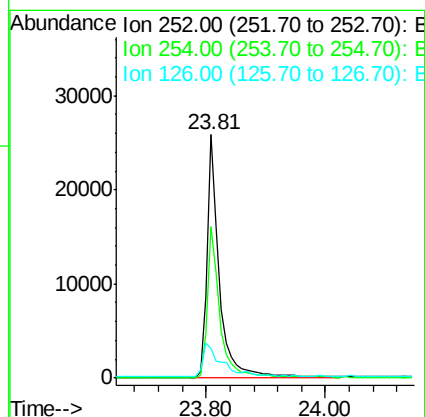
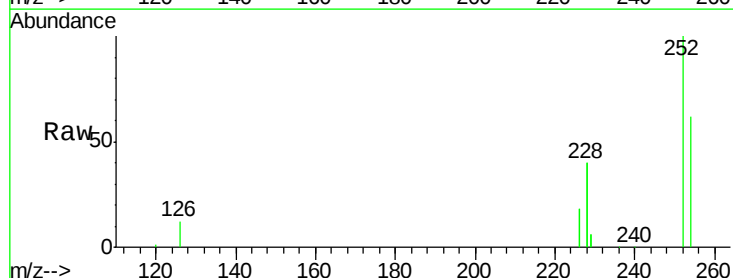
Instrument :
BNA_E
ClientSampleId :

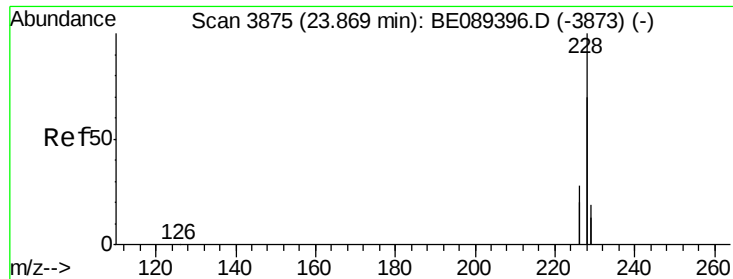
Tgt Ion:228 Resp: 445109
Ion Ratio Lower Upper
228 100
226 26.5 21.8 32.6
229 18.4 14.5 21.7



#24
3,3'-Dichlorobenzidine
Concen: 1.06 ng
RT: 23.81 min Scan# 3868
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 4:19

Tgt Ion:252 Resp: 36916
Ion Ratio Lower Upper
252 100
254 62.0 50.2 75.4
126 12.4 9.8 14.6





#25

Chrysene

Concen: 0.93 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Instrument :

BNA_E

ClientSampleId :

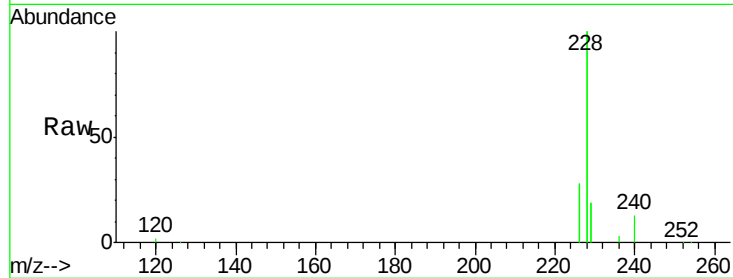
Tgt Ion: 228 Resp: 499703

Ion Ratio Lower Upper

228 100

226 28.3 22.7 34.1

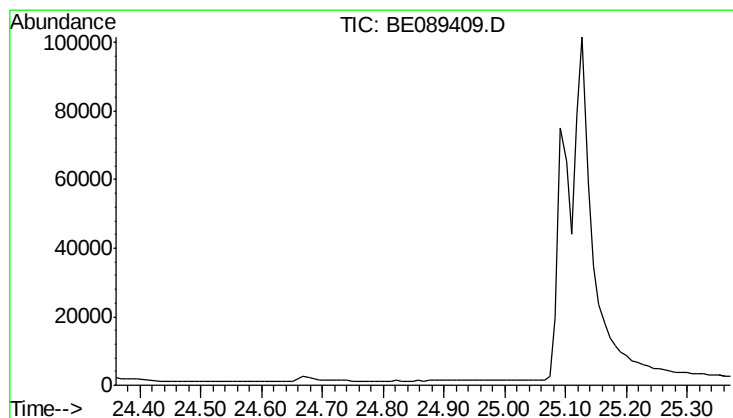
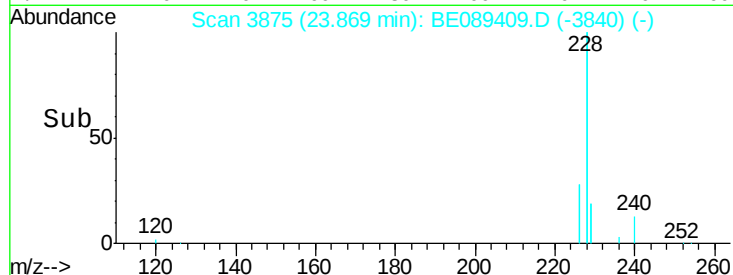
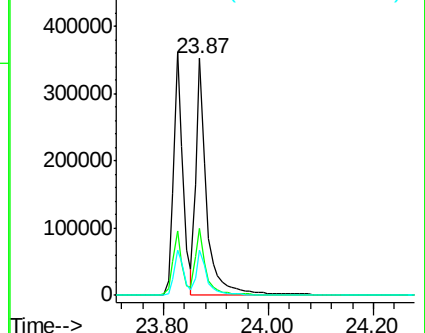
229 19.2 15.2 22.8



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



#27

Perylene-d12

Concen: 0.00 ng

Expected RT: 25.55 min

Lab File: BE089409.D

Acq: 29 Jan 2015 4:19

Tgt Ion: 264

Sig Exp Ratio

264 100

260 23.6

265 21.9

