

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089604.D
 Acq On : 17 Feb 2015 21:41
 Operator : TP/IZ
 Sample : PB81705BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

Quant Time: Feb 18 03:13:15 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 01:49:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	65797	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	263924	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	132819	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	263330	5.00	ng	0.00
20) Chrysene-d12	23.66	240	276737	5.00	ng	0.00
27) Perylene-d12	25.34	264	253388	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.50	112	225074	13.14	ng	0.00
4) Phenol-d6	8.62	99	294691	13.07	ng	0.00
8) Nitrobenzene-d5	10.61	82	140664	9.62	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	45143	11.63	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	334670	9.42	ng	0.00
22) Terphenyl-d14	22.30	244	433460	11.60	ng	0.00

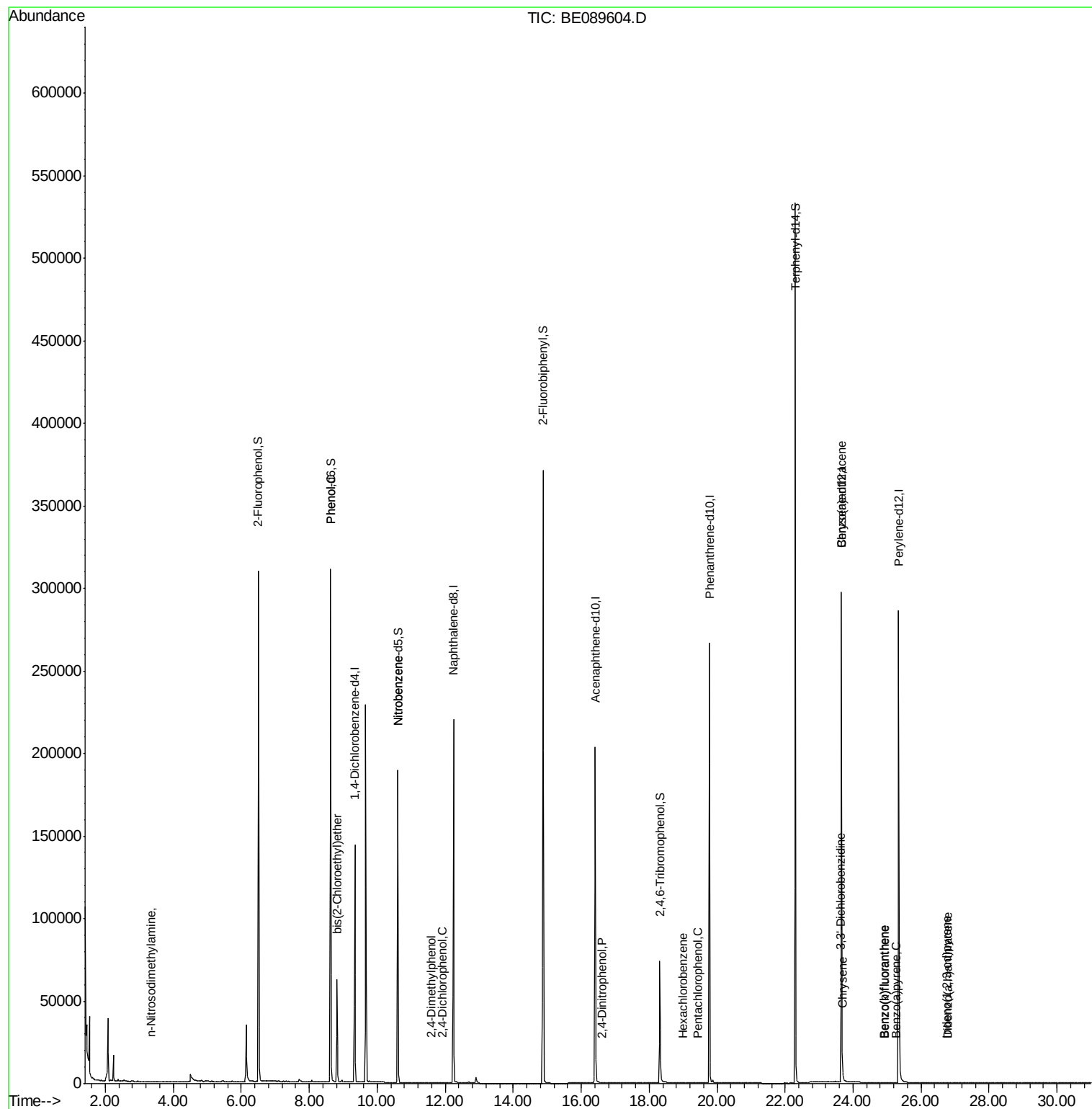
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.35	42	48	0.05	ng	# 1
5) Phenol	8.62	94	96	0.00	ng	# 1
6) bis(2-Chloroethyl)ether	8.83	93	325	0.02	ng	# 1
9) Nitrobenzene	10.61	77	449	0.19	ng	# 32
10) 2,4-Dimethylphenol	11.59	122	9	0.00	ng	# 69
11) 2,4-Dichlorophenol	11.94	162	7	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.61	184	2	0.24	ng	# 23
18) Hexachlorobenzene	18.99	284	10	0.00	ng	# 1
19) Pentachlorophenol	19.45	266	51	0.21	ng	# 75
21) Benzidine	21.98	184	21	Below Cal		# 1
23) Benzo(a)anthracene	23.65	228	3797	0.02	ng	# 78
24) 3,3'-Dichlorobenzidine	23.63	252	60	0.38	ng	# 45
25) Chrysene	23.69	228	1194	0.00	ng	# 73
26) Indeno(1,2,3-cd)pyrene	26.75	276	97	0.23	ng	# 85
28) Benzo(b)fluoranthene	24.91	252	120	0.29	ng	# 6
29) Benzo(k)fluoranthene	24.94	252	166	0.08	ng	# 14
30) Benzo(a)pyrene	25.27	252	112	0.29	ng	# 1
31) Dibenzo(a,h)anthracene	26.78	278	116	0.29	ng	# 1

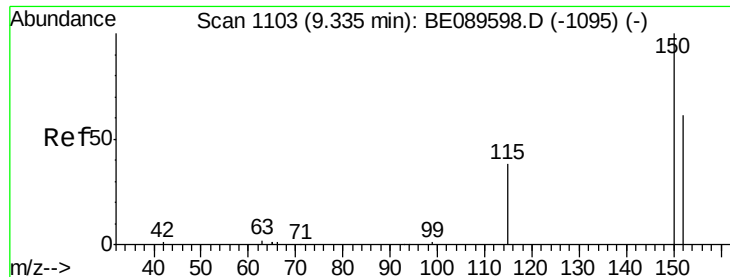
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampleId :

PB81705BL

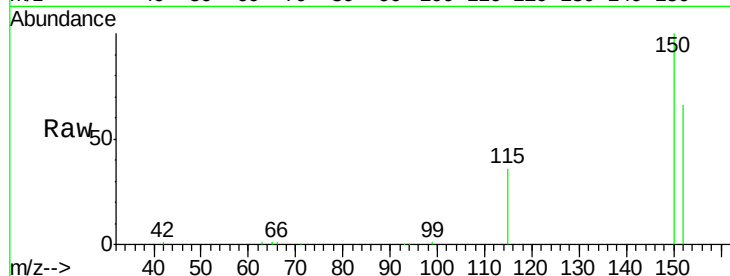
Tgt Ion:152 Resp: 65797

Ion Ratio Lower Upper

152 100

150 151.8 130.7 196.1

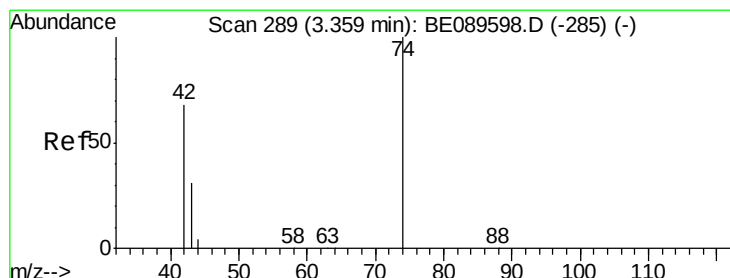
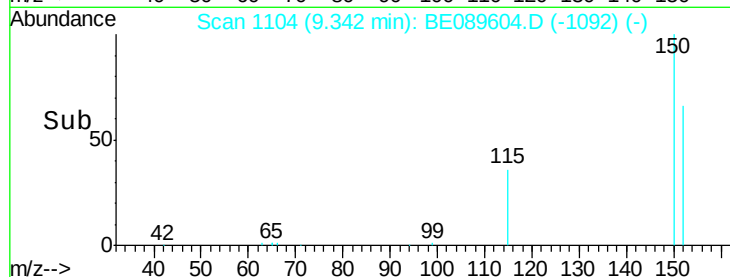
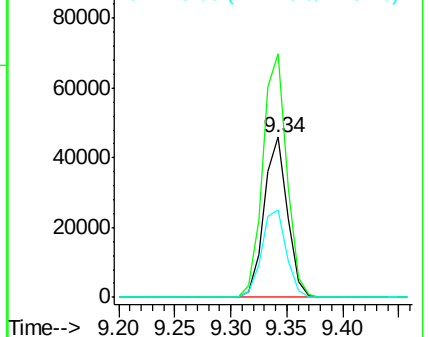
115 54.6 49.6 74.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.35 min Scan# 288

Delta R.T. -0.01 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

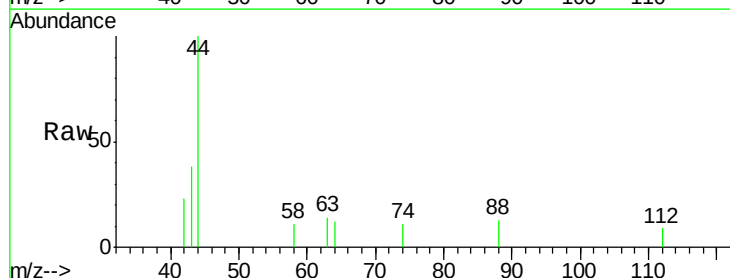
Tgt Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 47.5 114.6 171.8#

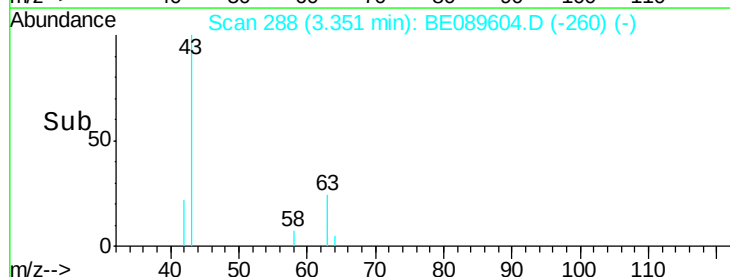
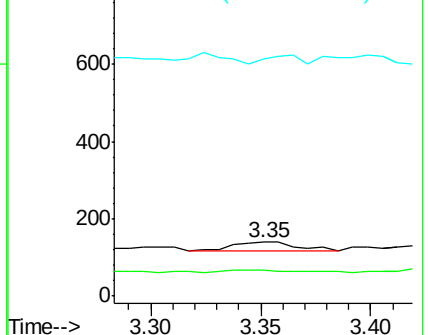
44 441.0 27.5 41.3#

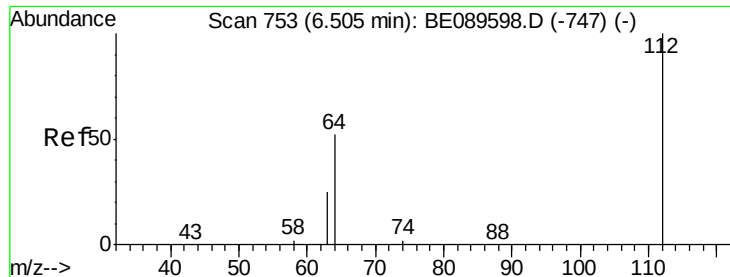


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

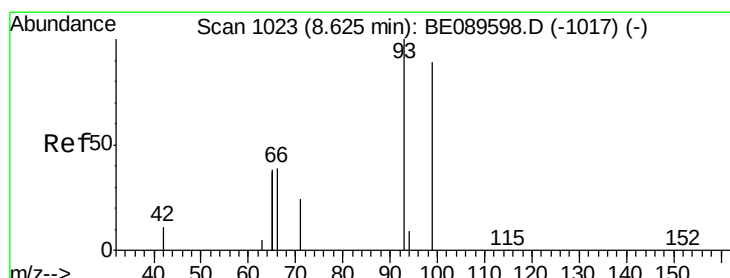
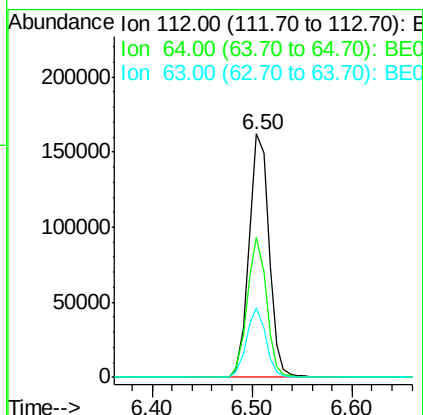
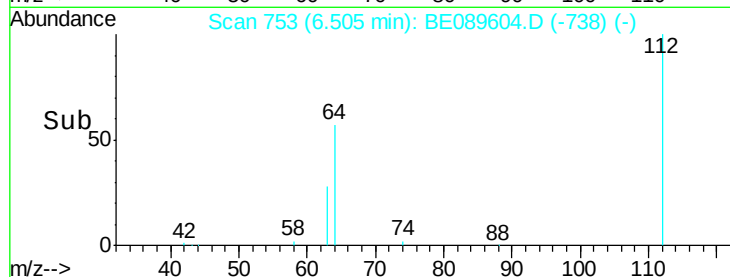
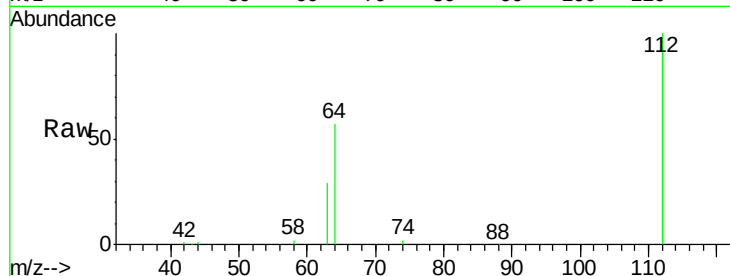




#3
 2-Fluorophenol
 Concen: 13.14 ng
 RT: 6.50 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

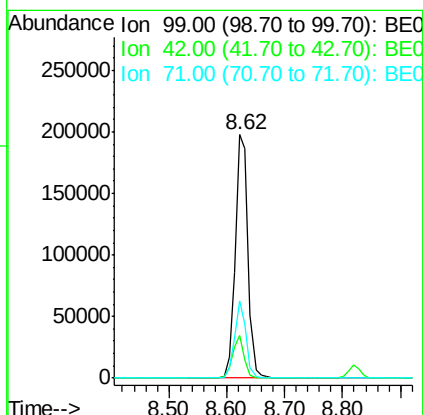
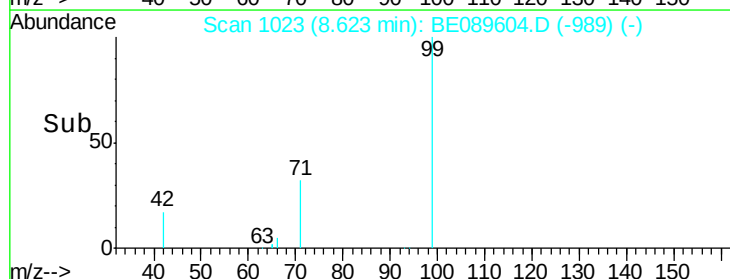
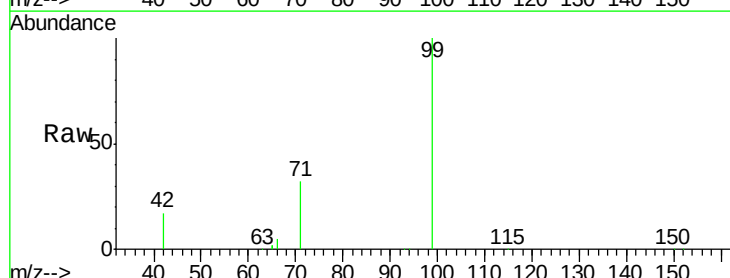
Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

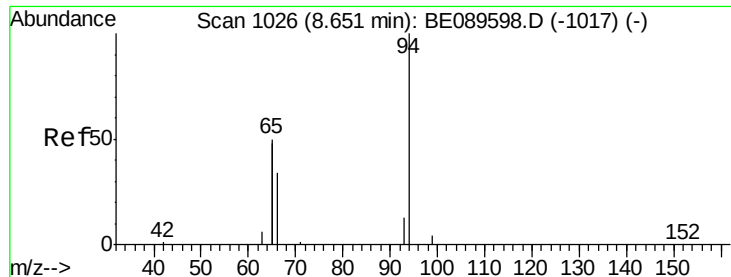
Tgt Ion: 112 Resp: 225074
 Ion Ratio Lower Upper
 112 100
 64 57.3 41.7 62.5
 63 28.5 20.3 30.5



#4
 Phenol-d6
 Concen: 13.07 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

Tgt Ion: 99 Resp: 294691
 Ion Ratio Lower Upper
 99 100
 42 17.3 10.8 16.2#
 71 31.9 21.8 32.6





#5

Phenol

Concen: 0.00 ng

RT: 8.62 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampleId :

PB81705BL

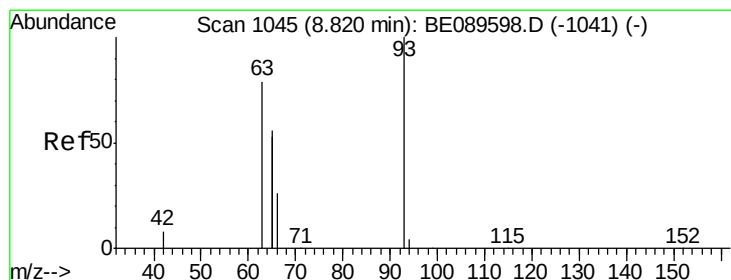
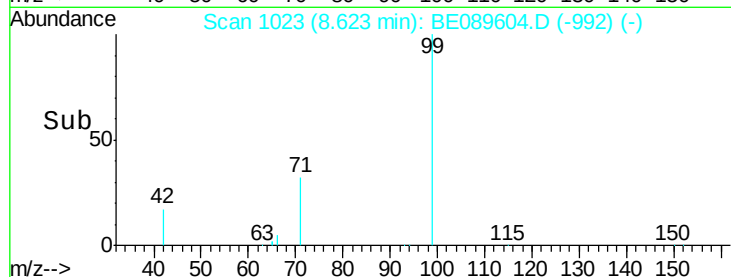
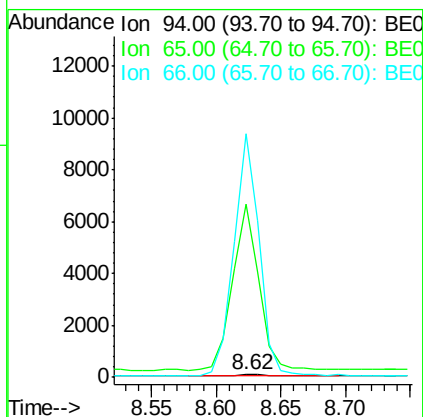
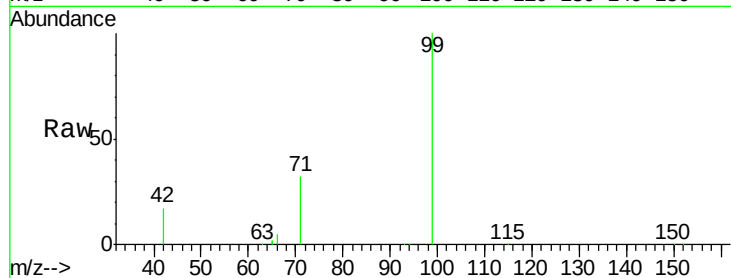
Tgt Ion: 94 Resp: 96

Ion Ratio Lower Upper

94 100

65 6861.9 78.6 118.6#

66 9675.3 14.0 54.0#



#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 8.83 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

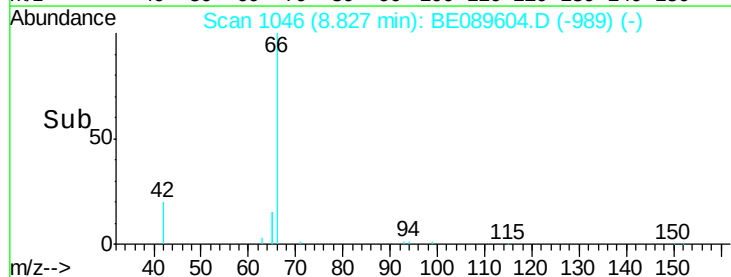
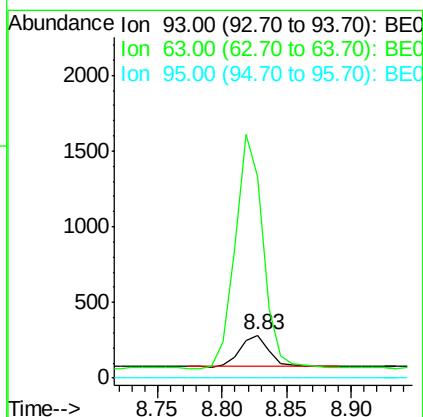
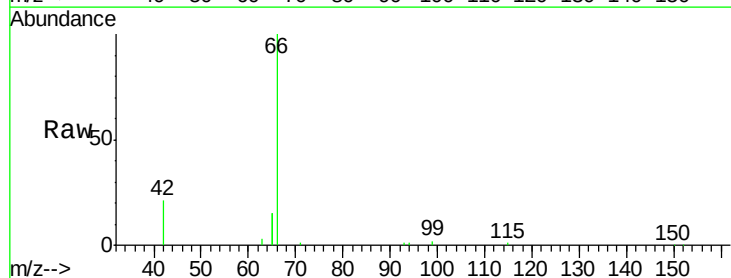
Tgt Ion: 93 Resp: 325

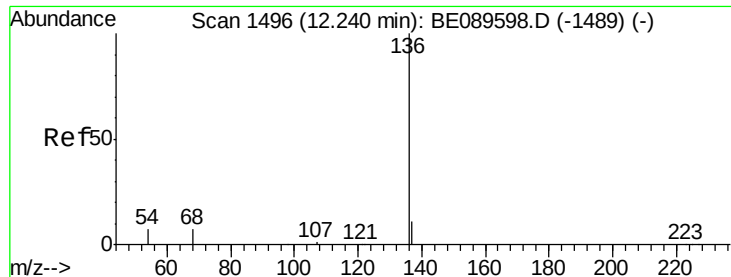
Ion Ratio Lower Upper

93 100

63 716.6 74.6 112.0#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampleId :

PB81705BL

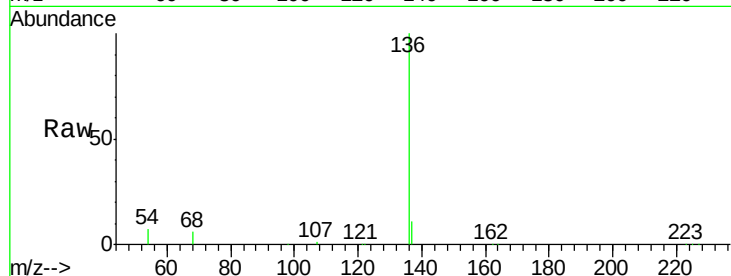
Tgt Ion: 136 Resp: 263924

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

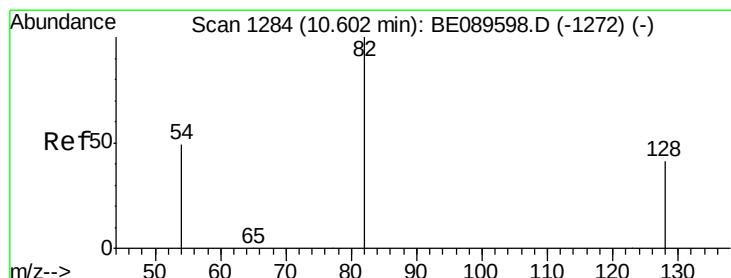
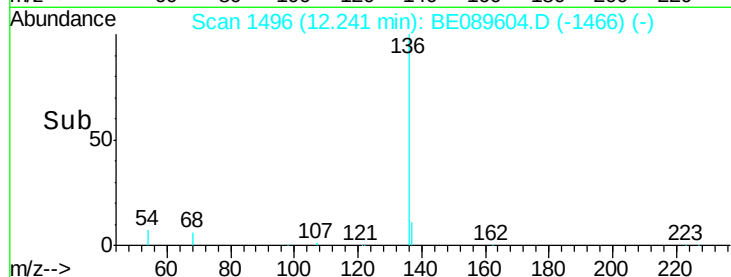
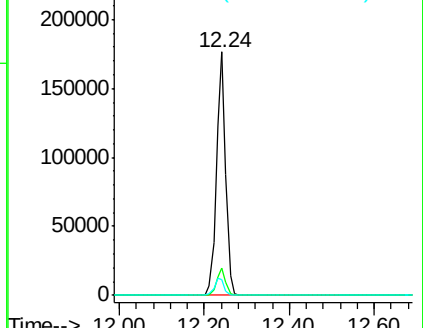
54 6.7 5.7 8.5



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: 9.62 ng

RT: 10.61 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

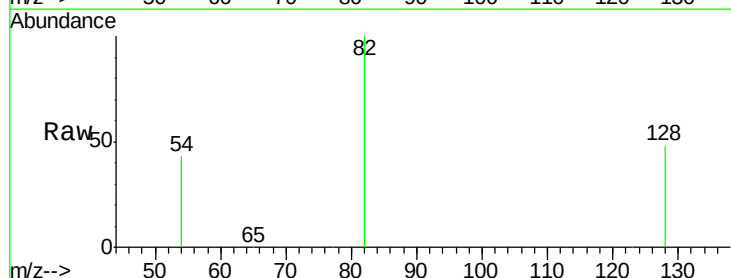
Tgt Ion: 82 Resp: 140664

Ion Ratio Lower Upper

82 100

128 48.0 33.2 49.8

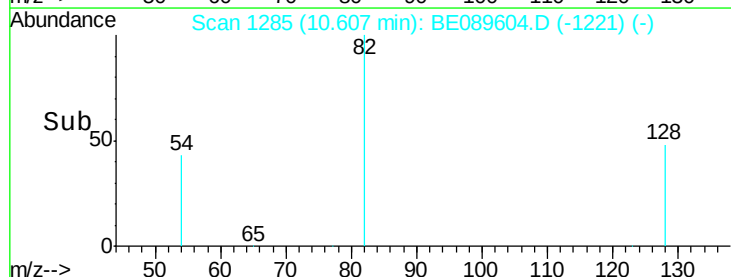
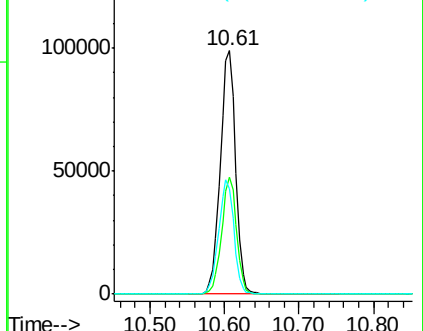
54 43.5 39.6 59.4

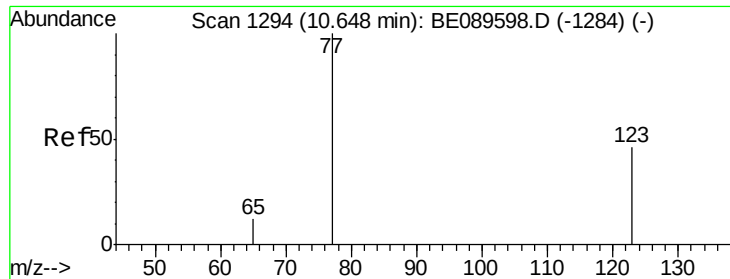


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.19 ng

RT: 10.61 min Scan# 1285

Delta R.T. -0.04 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampled :

PB81705BL

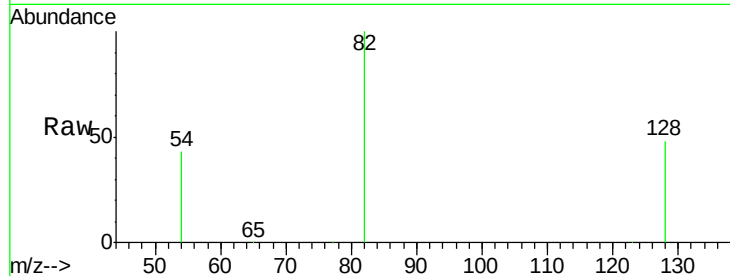
Tgt Ion: 77 Resp: 449

Ion Ratio Lower Upper

77 100

123 0.0 36.5 54.7#

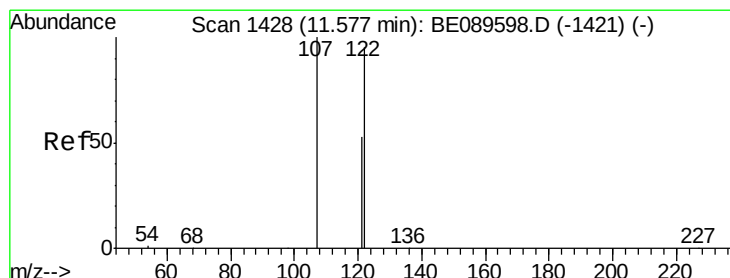
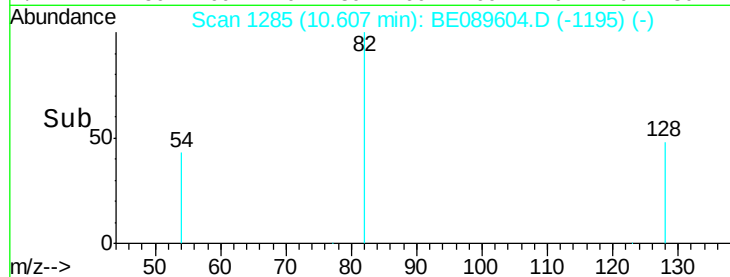
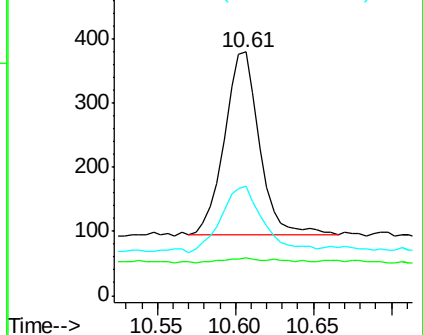
65 37.6 10.2 15.4#



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: 0.00 ng

RT: 11.59 min Scan# 1429

Delta R.T. 0.01 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

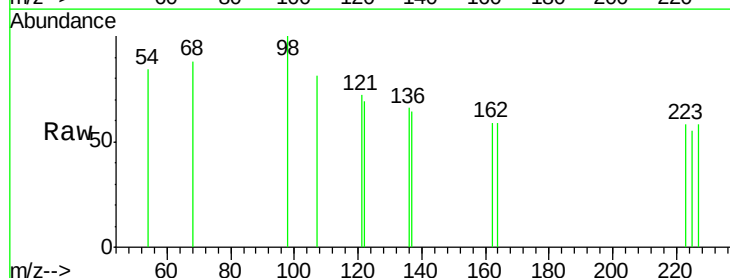
Tgt Ion: 122 Resp: 9

Ion Ratio Lower Upper

122 100

107 117.5 83.9 125.9

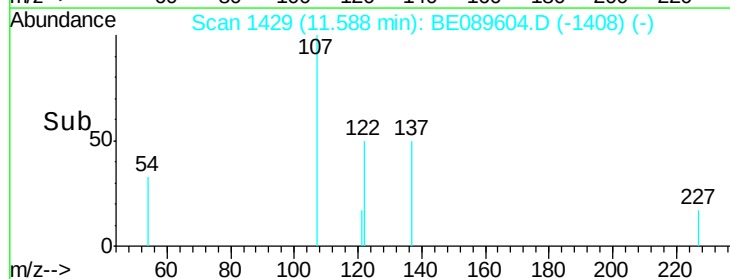
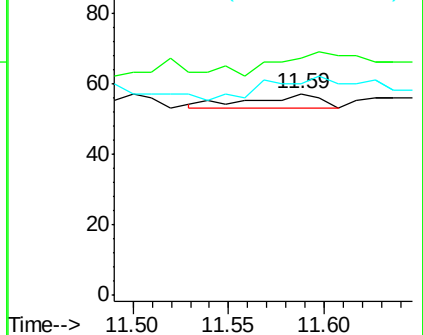
121 105.3 44.9 67.3#

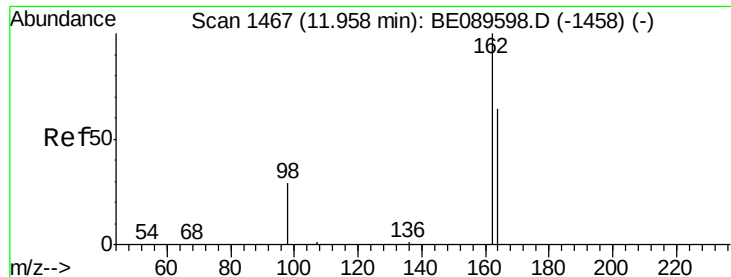


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

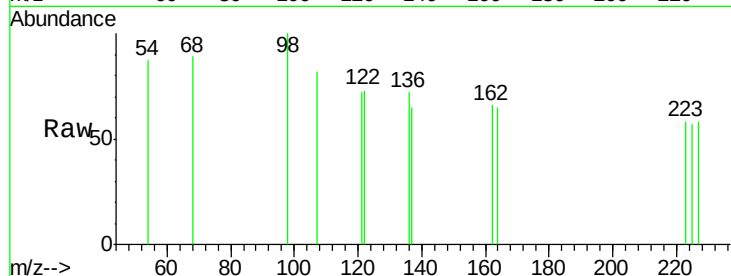




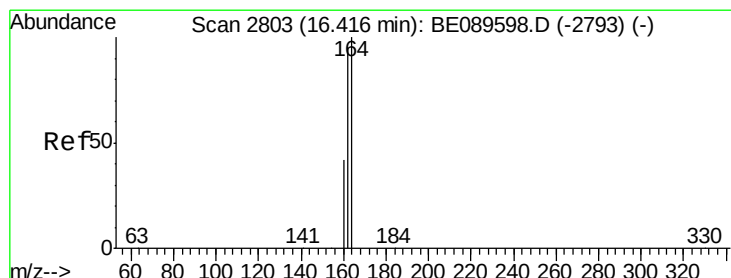
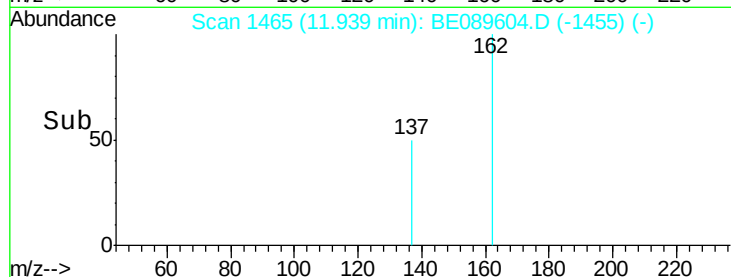
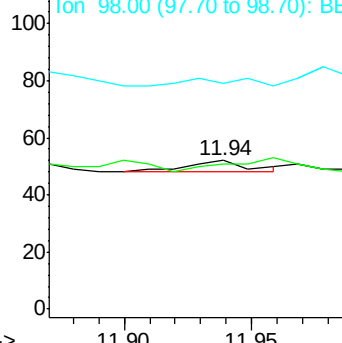
#11
2,4-Dichlorophenol
Concen: 0.00 ng
RT: 11.94 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE089604.D
Acq: 17 Feb 2015 21:41

Instrument :
BNA_E
ClientSampled :
PB81705BL

Tgt Ion:162 Resp: 7
Ion Ratio Lower Upper
162 100
164 98.1 44.7 84.7#
98 151.9 10.3 50.3#

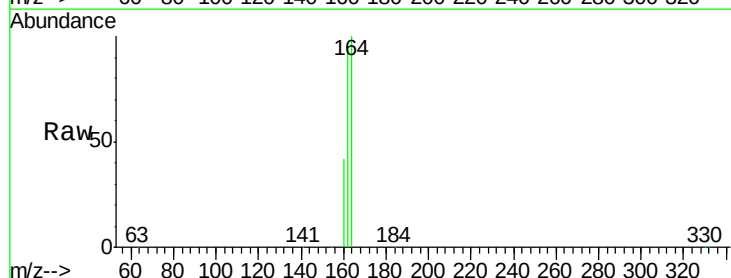


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

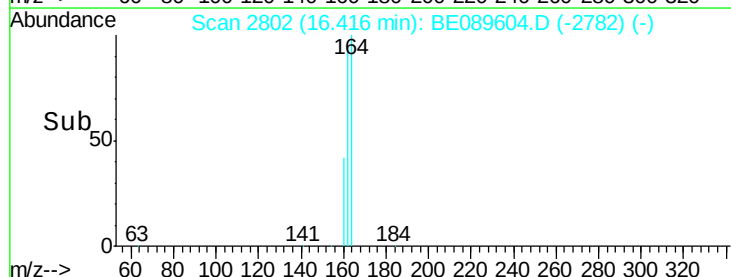
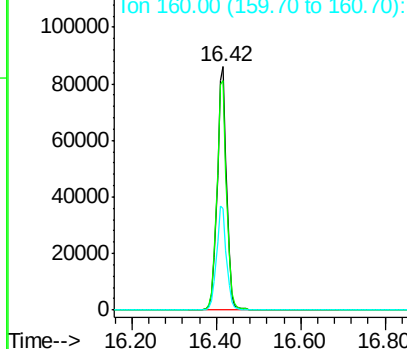


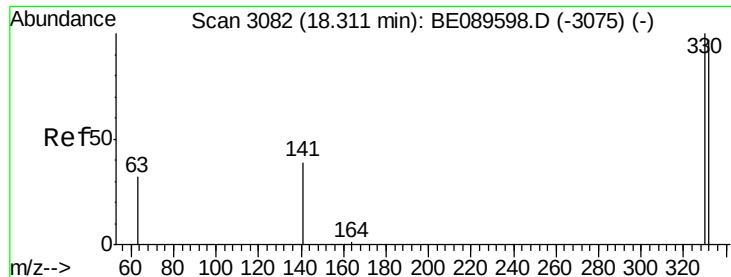
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BE089604.D
Acq: 17 Feb 2015 21:41

Tgt Ion:164 Resp: 132819
Ion Ratio Lower Upper
164 100
162 94.2 76.3 114.5
160 41.8 33.9 50.9



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

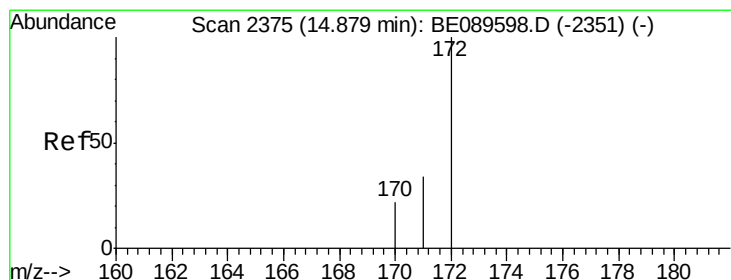
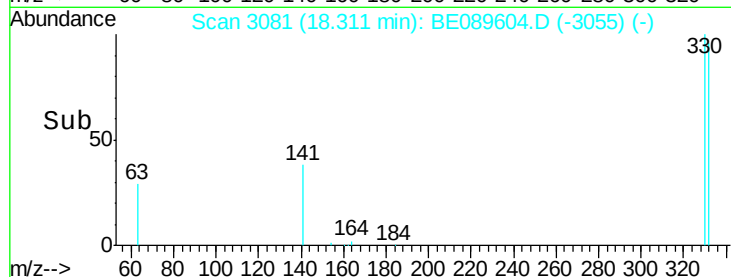
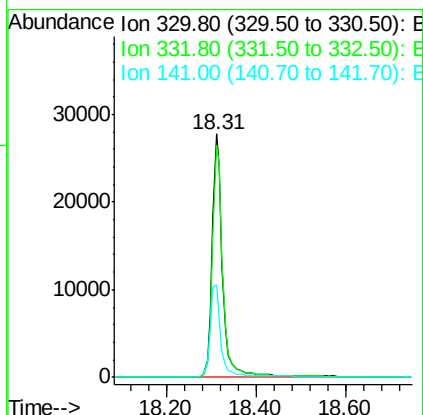
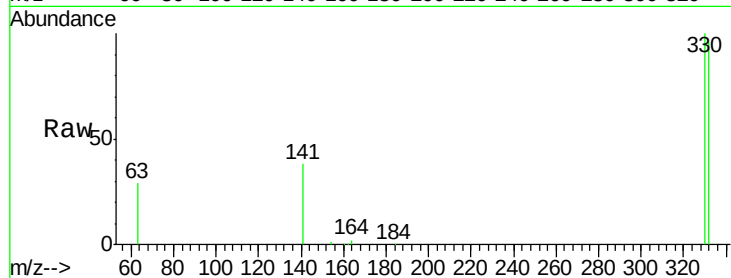




#14
 2,4,6-Tribromophenol
 Concen: 11.63 ng
 RT: 18.31 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

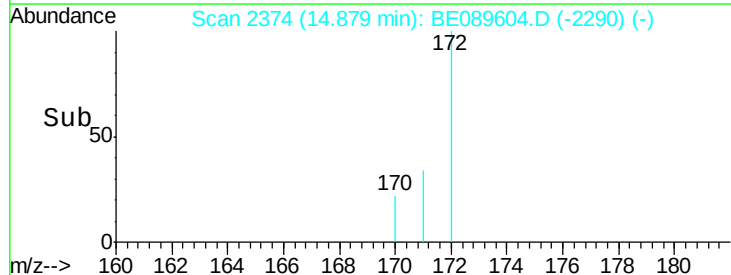
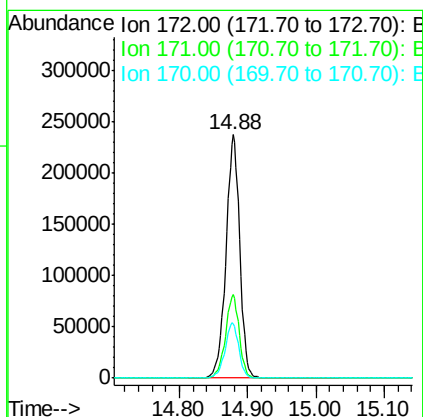
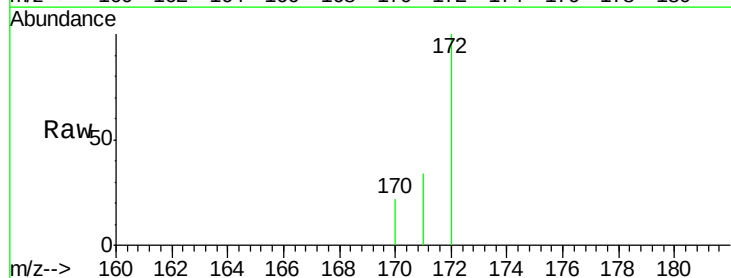
Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

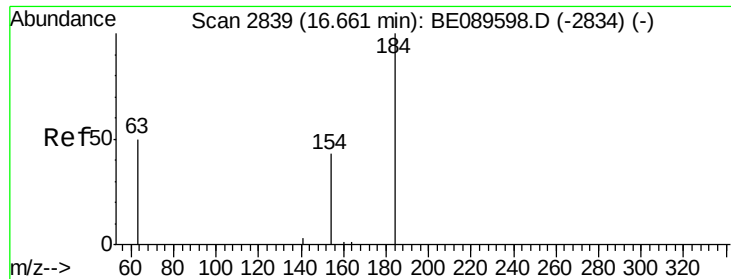
Tgt Ion:330 Resp: 45143
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.7 115.1
 141 39.5 30.1 45.1



#15
 2-Fluorobiphenyl
 Concen: 9.42 ng
 RT: 14.88 min Scan# 2374
 Delta R.T. -0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

Tgt Ion:172 Resp: 334670
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.4 41.0
 170 22.4 17.9 26.9

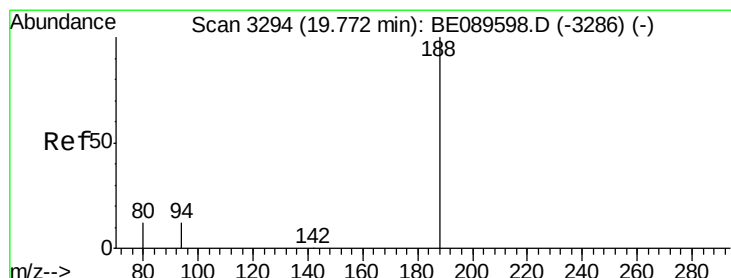
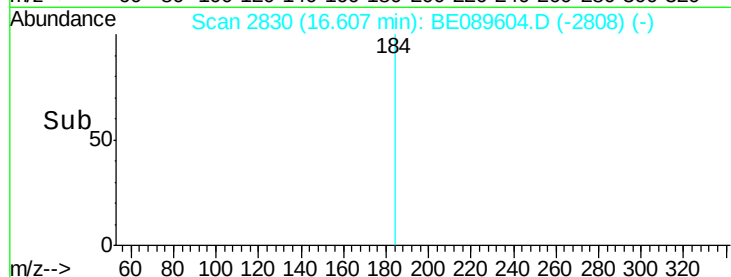
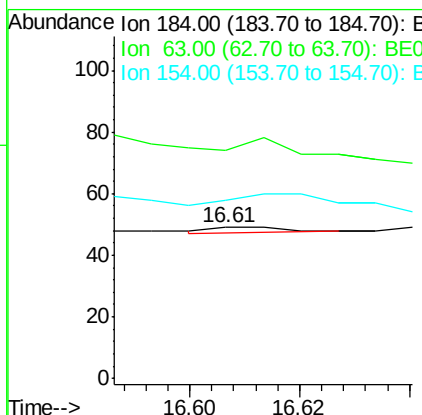
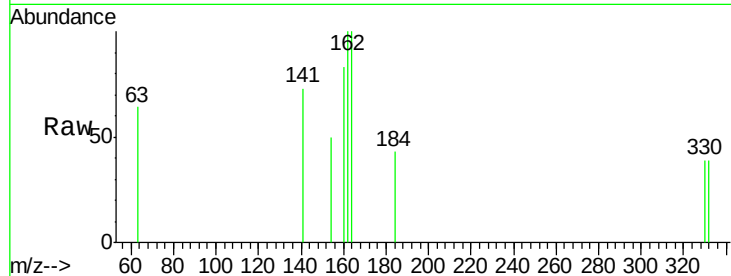




#16
 2,4-Dinitrophenol
 Concen: 0.24 ng
 RT: 16.61 min Scan# 2830
 Delta R.T. -0.05 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

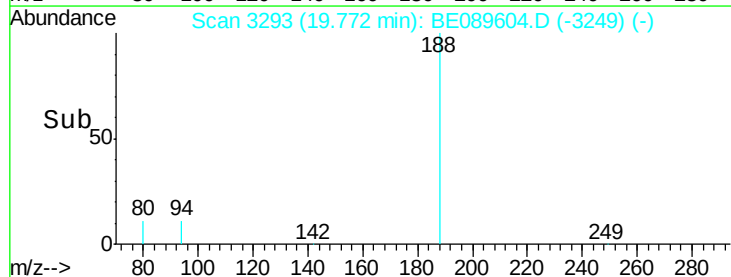
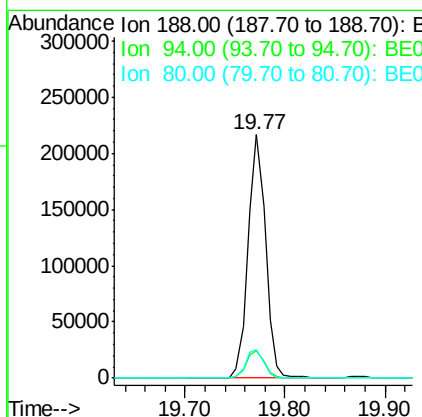
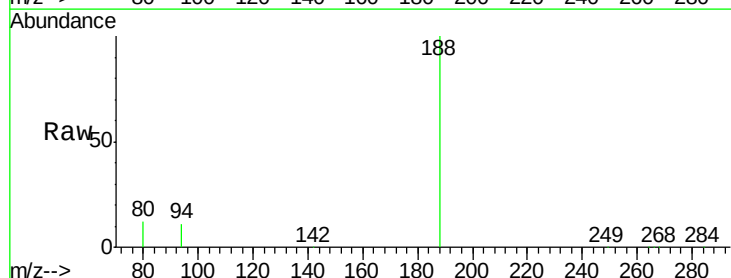
Instrument :
 BNA_E
 ClientSampled :
 PB81705BL

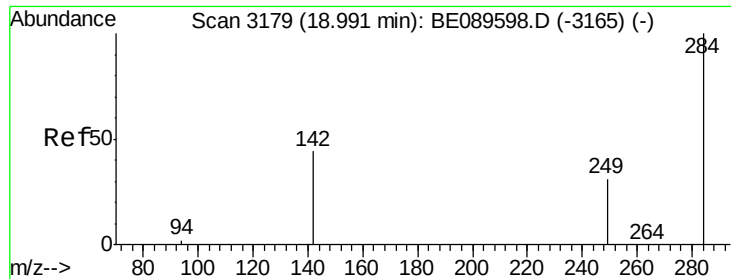
Tgt Ion:184 Resp: 2
 Ion Ratio Lower Upper
 184 100
 63 151.0 61.0 91.4#
 154 118.4 53.4 80.0#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.77 min Scan# 3293
 Delta R.T. -0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

Tgt Ion:188 Resp: 263330
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.5 9.8 14.8

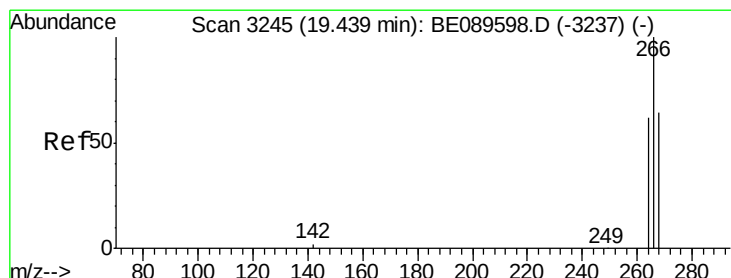
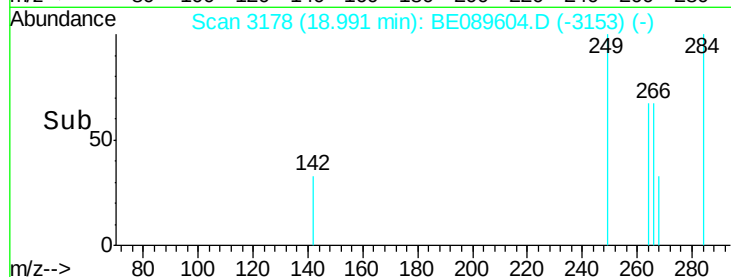
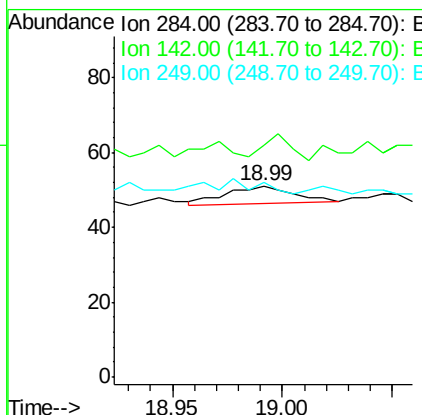
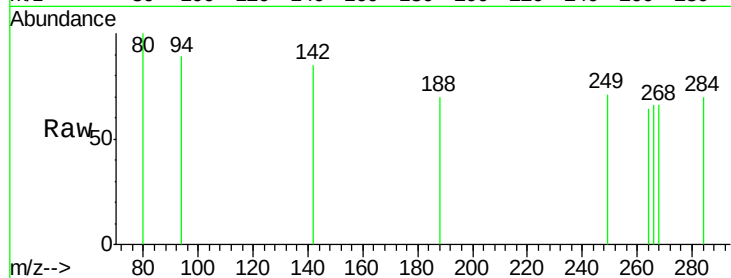




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 18.99 min Scan# 3178
Delta R.T. -0.00 min
Lab File: BE089604.D
Acq: 17 Feb 2015 21:41

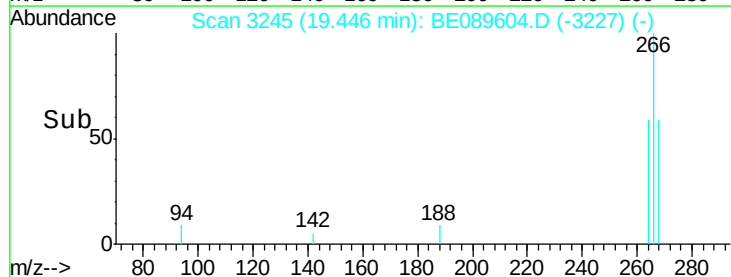
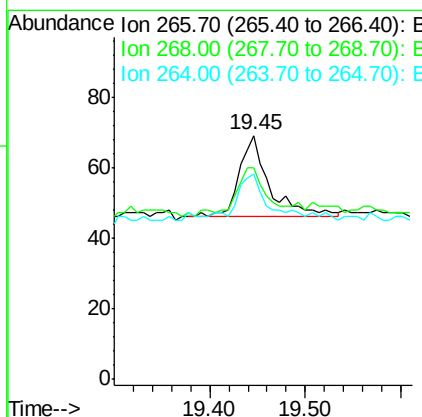
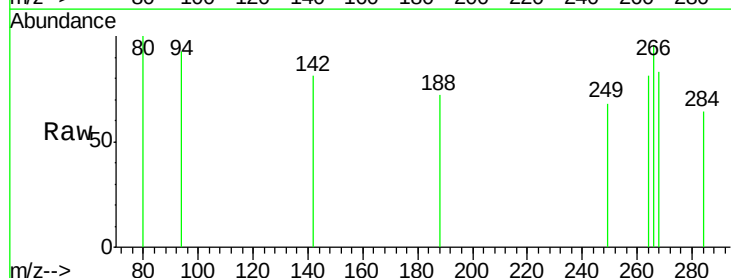
Instrument :
BNA_E
ClientSampleId :
PB81705BL

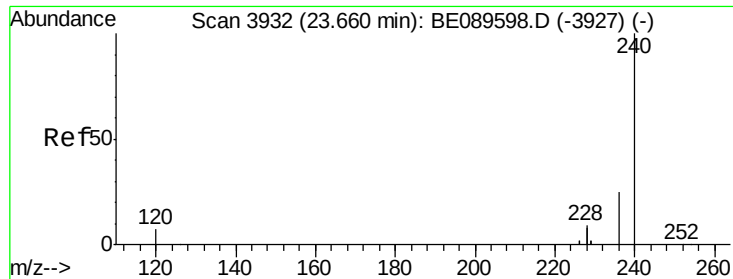
Tgt Ion: 284 Resp: 10
Ion Ratio Lower Upper
284 100
142 121.6 35.6 53.4#
249 102.0 25.2 37.8#



#19
Pentachlorophenol
Concen: 0.21 ng
RT: 19.45 min Scan# 3245
Delta R.T. 0.01 min
Lab File: BE089604.D
Acq: 17 Feb 2015 21:41

Tgt Ion: 266 Resp: 51
Ion Ratio Lower Upper
266 100
268 87.0 53.0 79.4#
264 84.1 51.9 77.9#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampleId :

PB81705BL

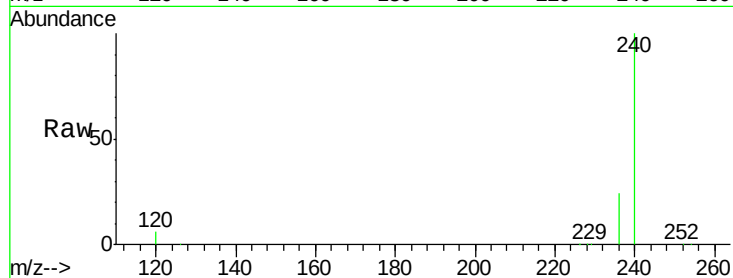
Tgt Ion:240 Resp: 276737

Ion Ratio Lower Upper

240 100

120 5.5 5.4 8.0

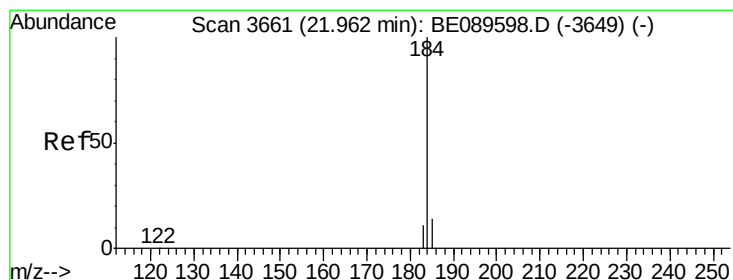
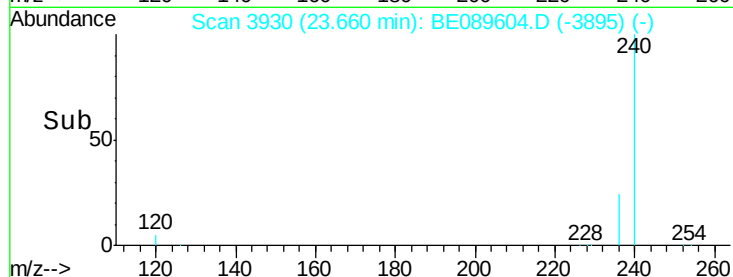
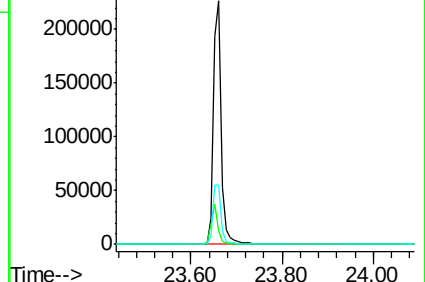
236 24.4 19.8 29.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#21

Benzidine

Concen: Below Cal

RT: 21.98 min Scan# 3664

Delta R.T. 0.02 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

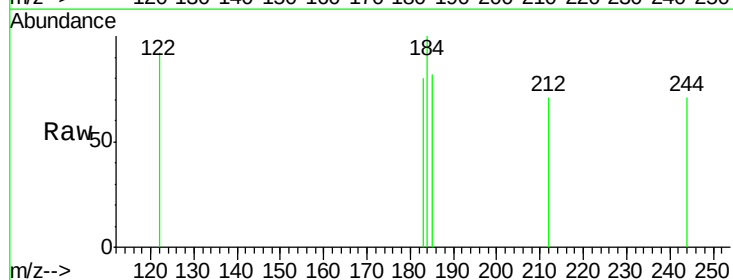
Tgt Ion:184 Resp: 21

Ion Ratio Lower Upper

184 100

185 81.8 11.8 17.8#

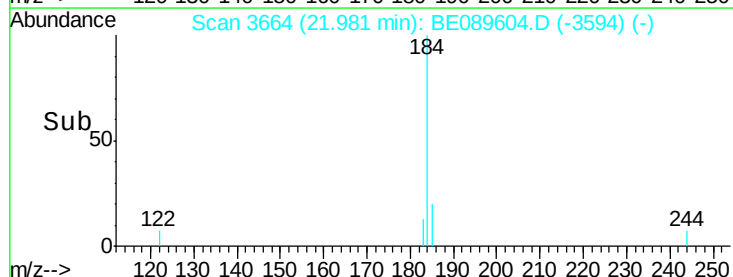
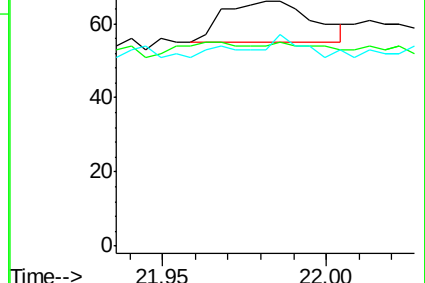
183 80.3 9.3 13.9#

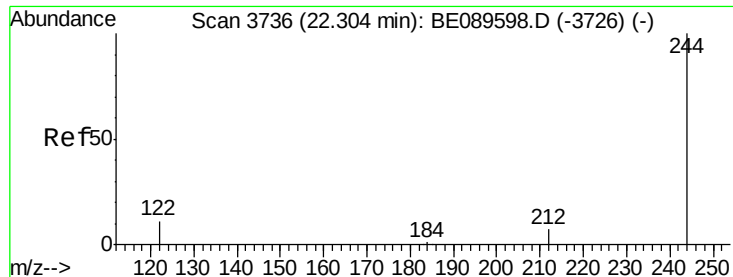


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

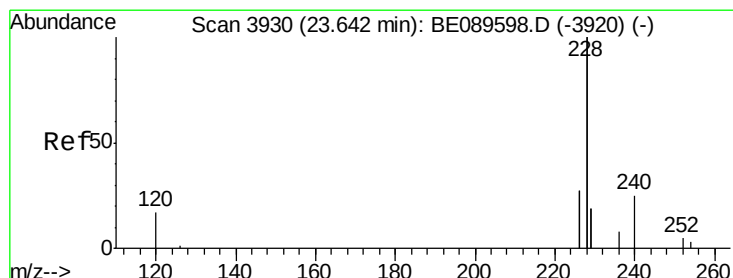
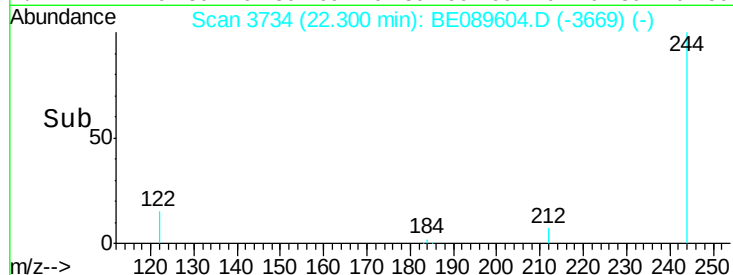
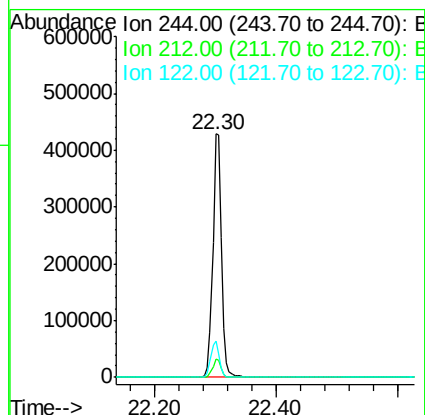
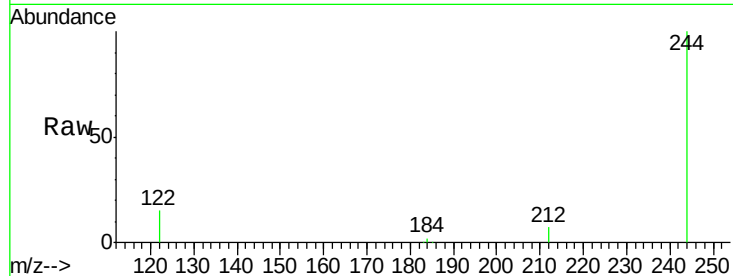




#22
 Terphenyl-d14
 Concen: 11.60 ng
 RT: 22.30 min Scan# 3734
 Delta R.T. -0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

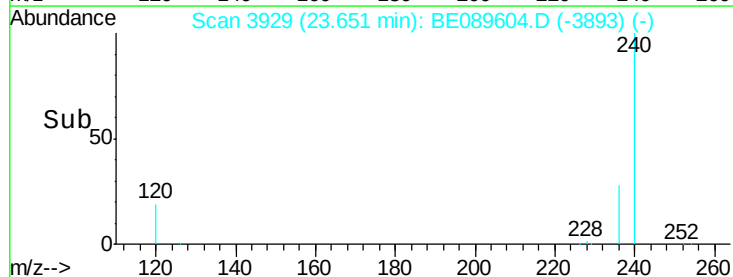
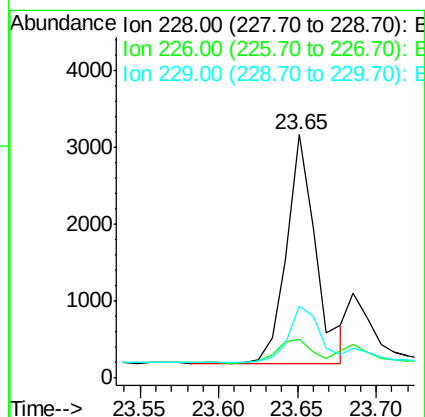
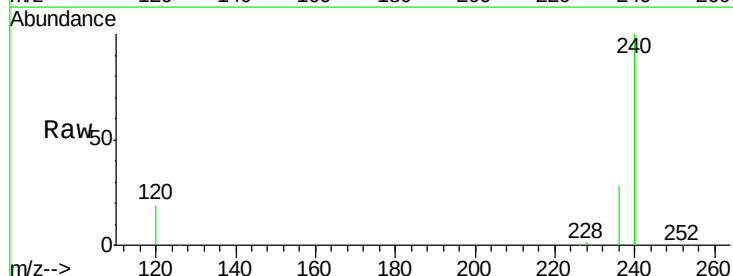
Instrument :
 BNA_E
 ClientSampled :
 PB81705BL

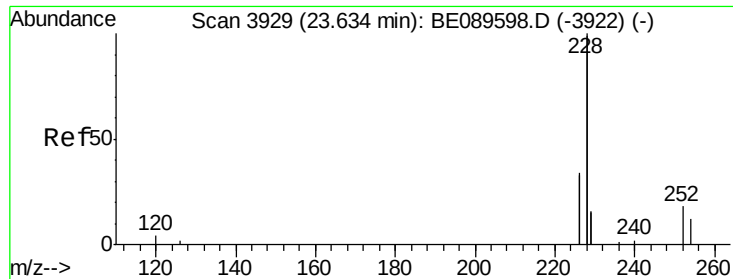
Tgt Ion:244 Resp: 433460
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 15.1 8.6 13.0#



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.65 min Scan# 3929
 Delta R.T. 0.01 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

Tgt Ion:228 Resp: 3797
 Ion Ratio Lower Upper
 228 100
 226 15.9 21.5 32.3#
 229 29.7 15.0 22.6#

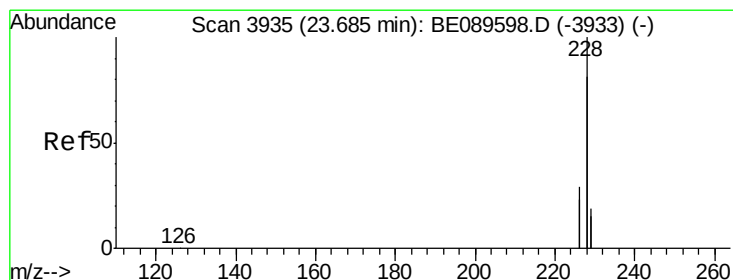
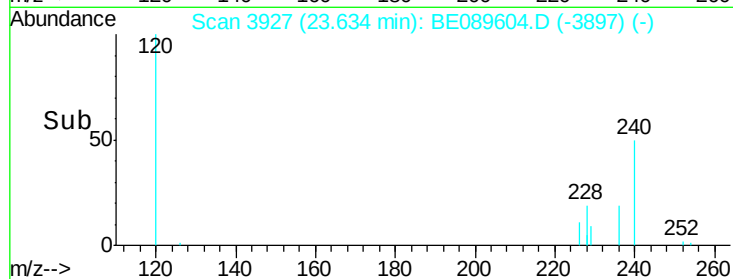
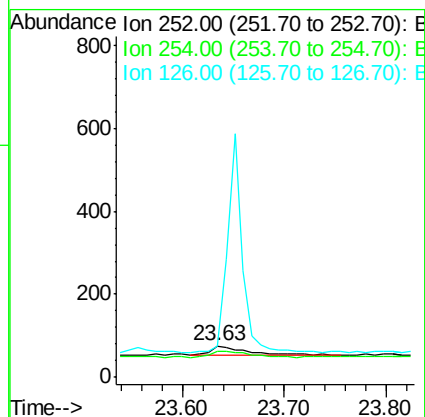
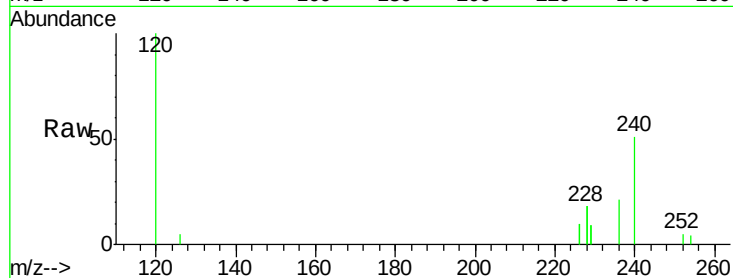




#24
 3,3'-Dichlorobenzidine
 Concen: 0.38 ng
 RT: 23.63 min Scan# 3927
 Delta R.T. 0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

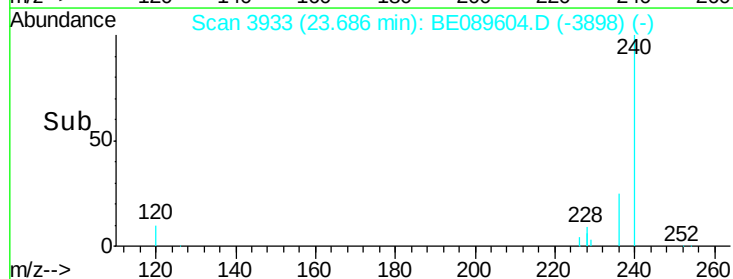
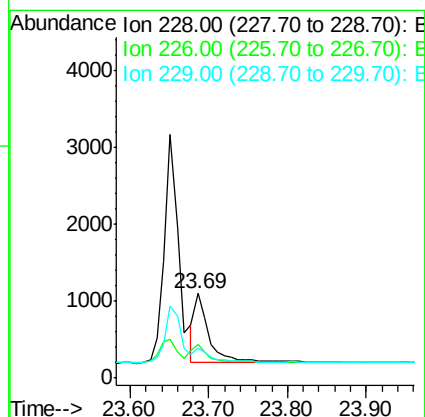
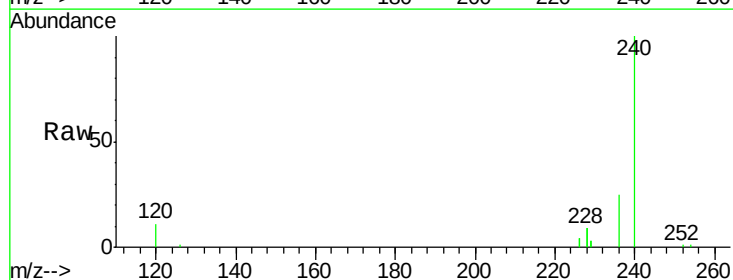
Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

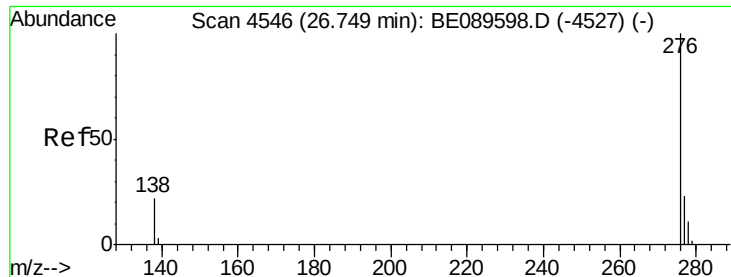
Tgt Ion: 252 Resp: 60
 Ion Ratio Lower Upper
 252 100
 254 82.9 51.7 77.5#
 126 100.0 9.9 14.9#



#25
 Chrysene
 Concen: 0.00 ng
 RT: 23.69 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: BE089604.D
 Acq: 17 Feb 2015 21:41

Tgt Ion: 228 Resp: 1194
 Ion Ratio Lower Upper
 228 100
 226 40.6 23.4 35.2#
 229 35.3 15.3 22.9#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.23 ng

RT: 26.75 min Scan# 4544

Delta R.T. -0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampleId :

PB81705BL

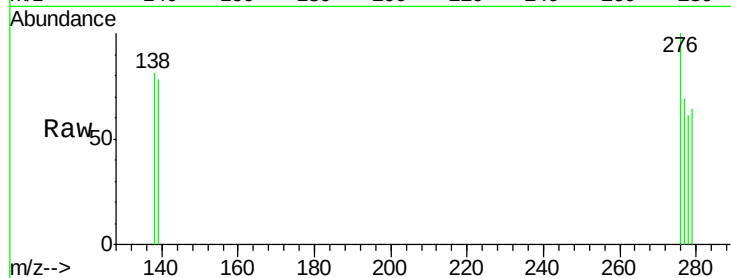
Tgt Ion: 276 Resp: 97

Ion Ratio Lower Upper

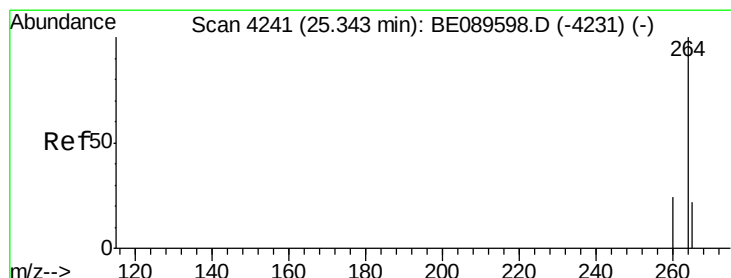
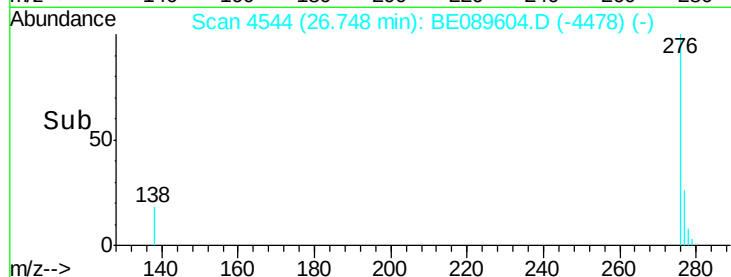
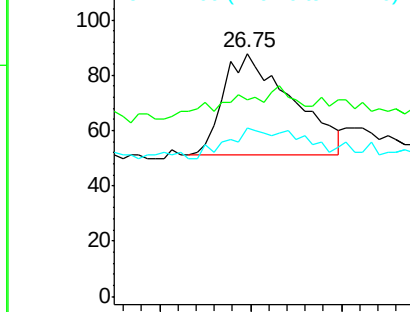
276 100

138 7.2 0.0 0.0#

277 17.5 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: 25.34 min Scan# 4238

Delta R.T. -0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

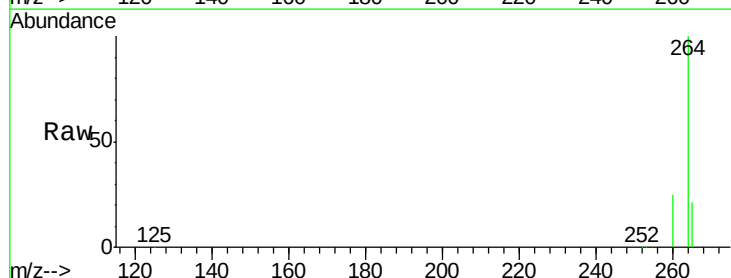
Tgt Ion: 264 Resp: 253388

Ion Ratio Lower Upper

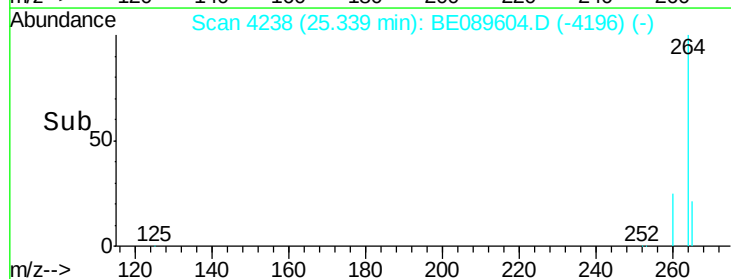
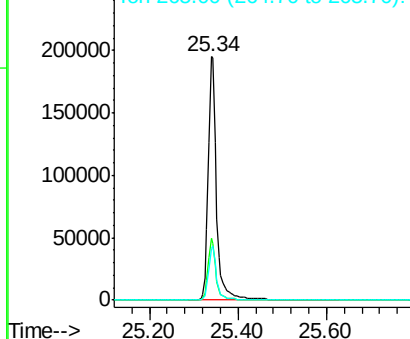
264 100

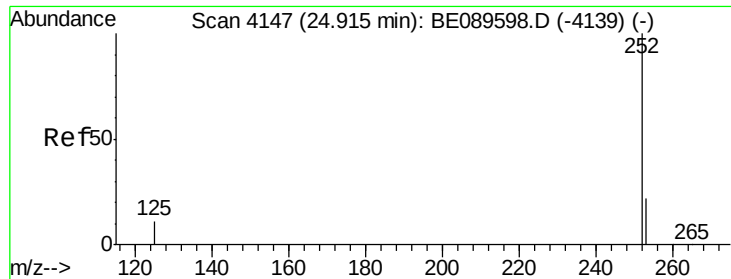
260 25.2 19.0 28.4

265 21.2 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.29 ng

RT: 24.91 min Scan# 4144

Delta R.T. -0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampleId :

PB81705BL

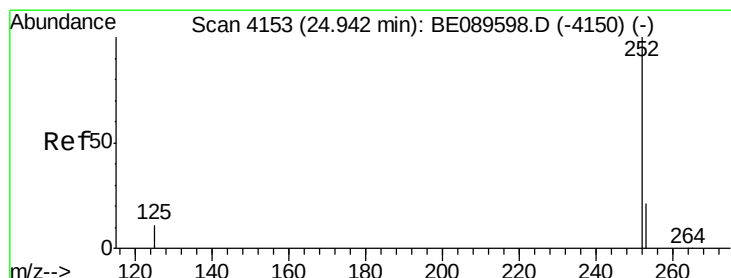
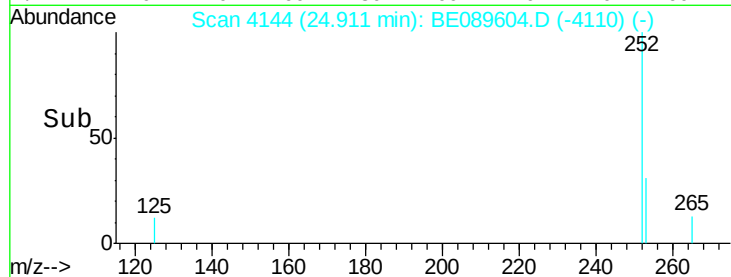
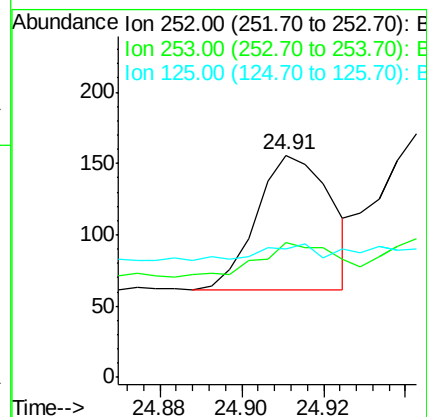
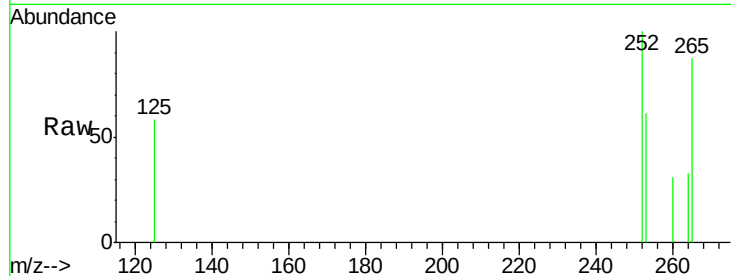
Tgt Ion: 252 Resp: 120

Ion Ratio Lower Upper

252 100

253 60.9 17.8 26.8#

125 57.7 8.9 13.3#



#29

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 24.94 min Scan# 4151

Delta R.T. 0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

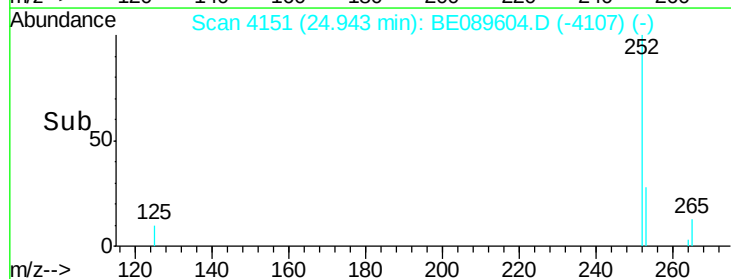
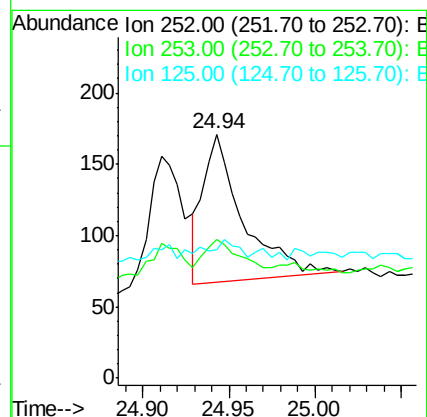
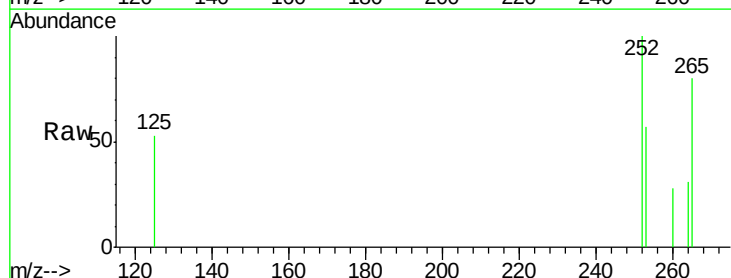
Tgt Ion: 252 Resp: 166

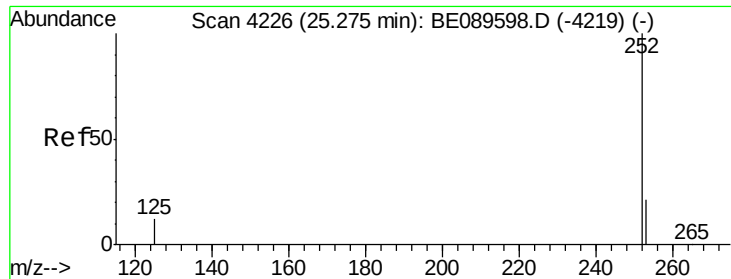
Ion Ratio Lower Upper

252 100

253 56.7 17.3 25.9#

125 52.6 8.9 13.3#





#30

Benzo(a)pyrene

Concen: 0.29 ng

RT: 25.27 min Scan# 4223

Delta R.T. -0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

Instrument :

BNA_E

ClientSampled :

PB81705BL

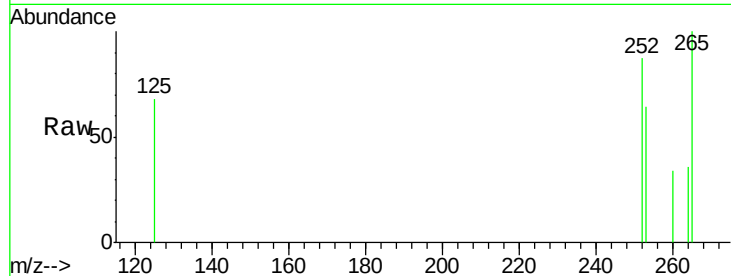
Tgt Ion: 252 Resp: 112

Ion Ratio Lower Upper

252 100

253 72.7 17.1 25.7#

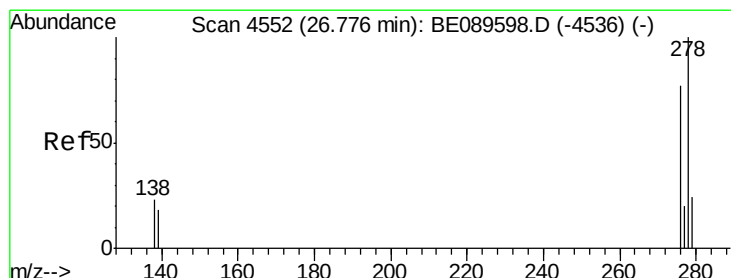
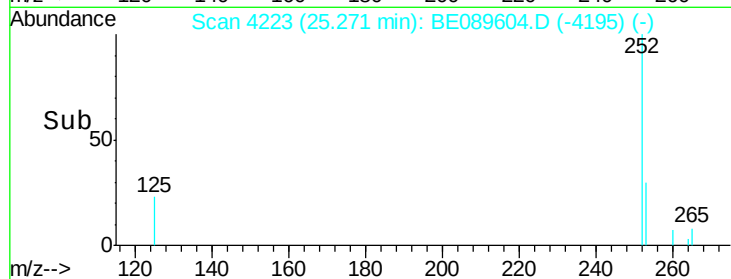
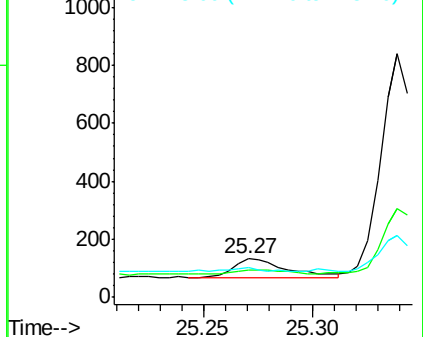
125 78.0 9.8 14.8#



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



#31

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 26.78 min Scan# 4551

Delta R.T. 0.00 min

Lab File: BE089604.D

Acq: 17 Feb 2015 21:41

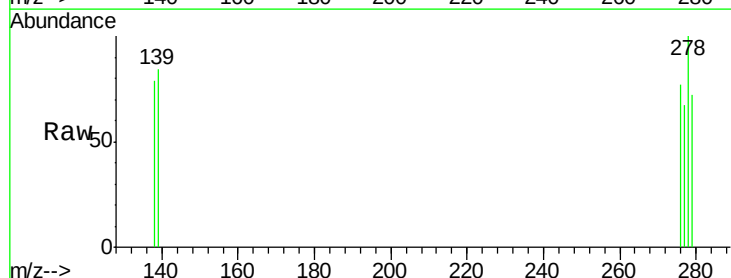
Tgt Ion: 278 Resp: 116

Ion Ratio Lower Upper

278 100

139 83.9 14.6 21.8#

279 72.4 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

