

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
 Data File : BE089579.D
 Acq On : 16 Feb 2015 21:46
 Operator : TP/IZ
 Sample : PB81705BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

Quant Time: Feb 17 00:23:32 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 18:23:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	83133	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	331644	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	159494	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	308778	5.00	ng	0.00
20) Chrysene-d12	23.66	240	334619	5.00	ng	0.00
27) Perylene-d12	25.34	264	330703	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.50	112	286511	11.93	ng	0.00
4) Phenol-d6	8.62	99	374690	11.76	ng	0.00
8) Nitrobenzene-d5	10.61	82	175487	12.45	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	57860	16.10	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	408295	9.48	ng	0.00
22) Terphenyl-d14	22.31	244	502241	10.89	ng	0.00

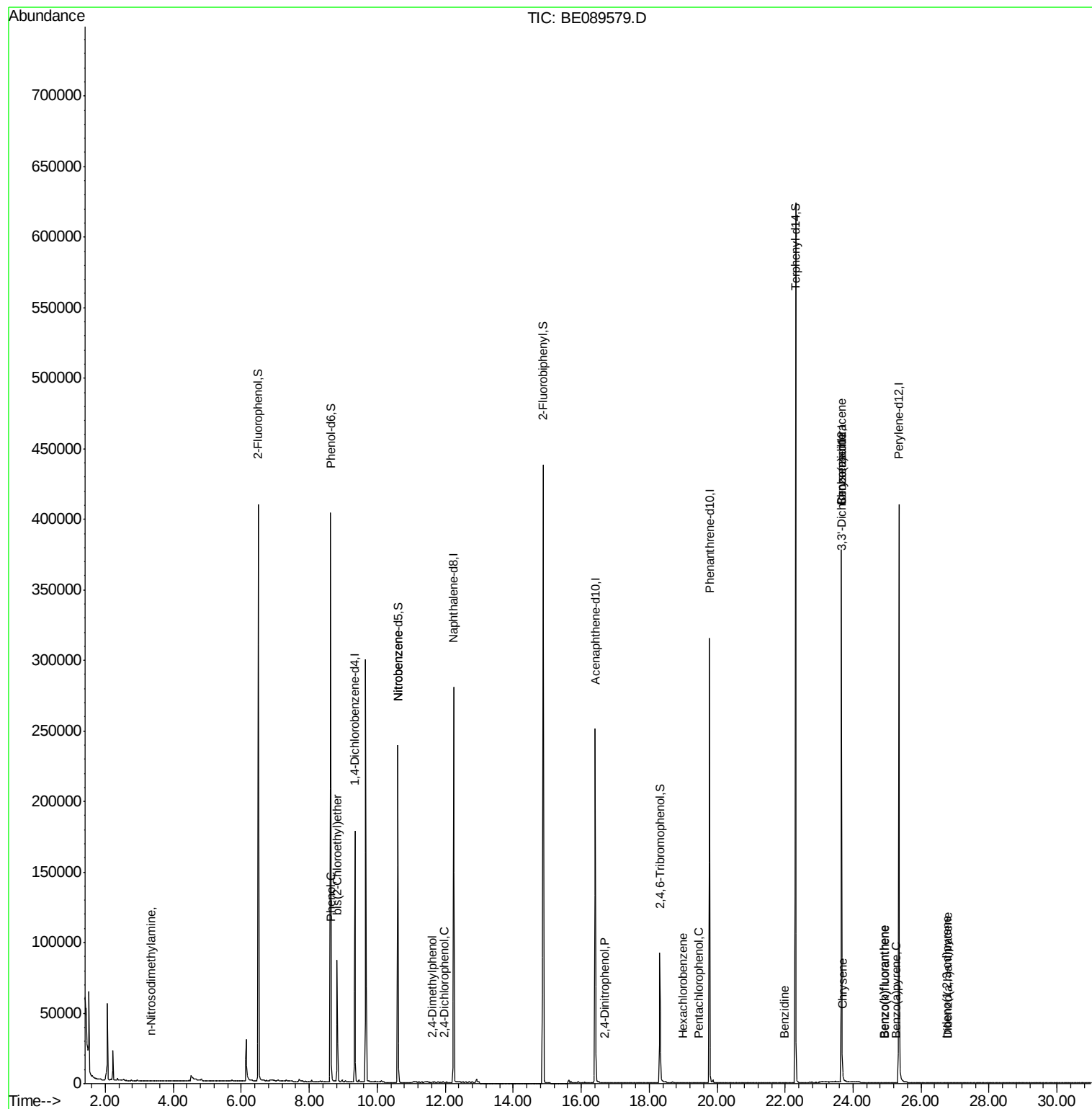
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	40	0.00	ng	# 1
5) Phenol	8.65	94	226	0.01	ng	# 1
6) bis(2-Chloroethyl)ether	8.83	93	421	0.02	ng	# 1
9) Nitrobenzene	10.61	77	699	0.04	ng	# 28
10) 2,4-Dimethylphenol	11.63	122	80	0.00	ng	# 77
11) 2,4-Dichlorophenol	11.98	162	41	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.68	184	10	0.02	ng	# 7
18) Hexachlorobenzene	18.99	284	13	0.00	ng	# 1
19) Pentachlorophenol	19.44	266	77	0.03	ng	# 81
21) Benzidine	21.97	184	136	0.00	ng	# 1
23) Benzo(a)anthracene	23.65	228	5042	0.02	ng	# 81
24) 3,3'-Dichlorobenzidine	23.64	252	84	0.00	ng	# 1
25) Chrysene	23.69	228	1284	0.00	ng	# 74
26) Indeno(1,2,3-cd)pyrene	26.75	276	214	0.00	ng	# 78
28) Benzo(b)fluoranthene	24.92	252	208	0.00	ng	# 20
29) Benzo(k)fluoranthene	24.94	252	270	0.00	ng	# 23
30) Benzo(a)pyrene	25.28	252	174	0.00	ng	# 1
31) Dibenzo(a,h)anthracene	26.78	278	175	0.00	ng	# 1

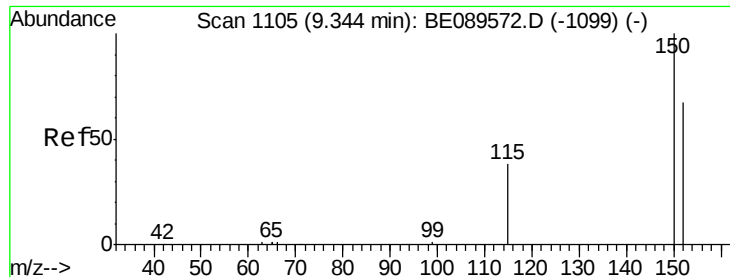
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

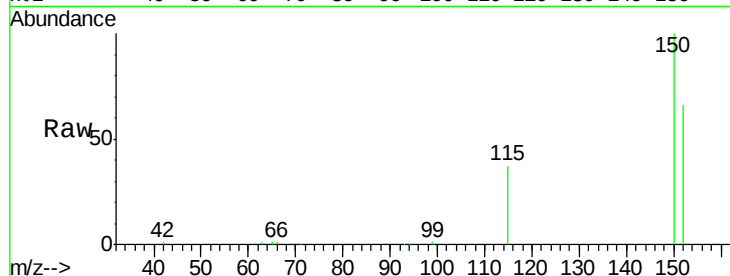
Tgt Ion:152 Resp: 83133

Ion Ratio Lower Upper

152 100

150 151.5 120.2 180.2

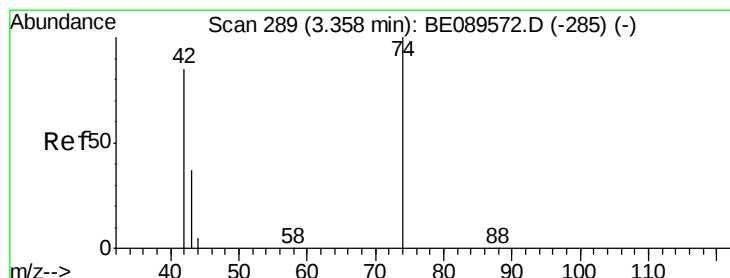
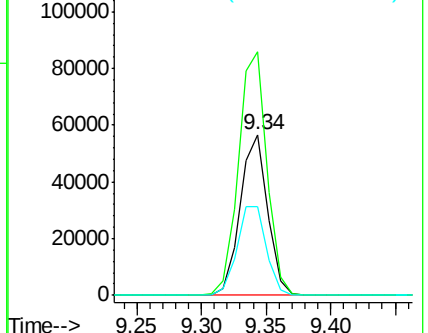
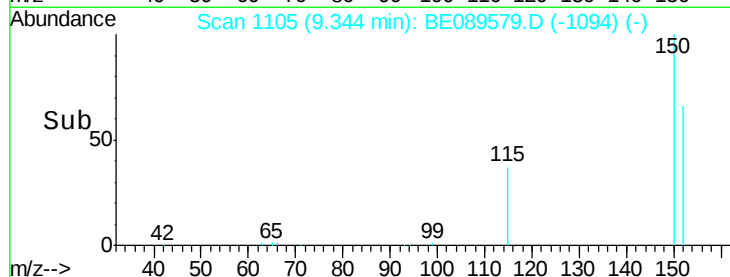
115 55.5 45.2 67.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 3.34 min Scan# 287

Delta R.T. -0.01 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

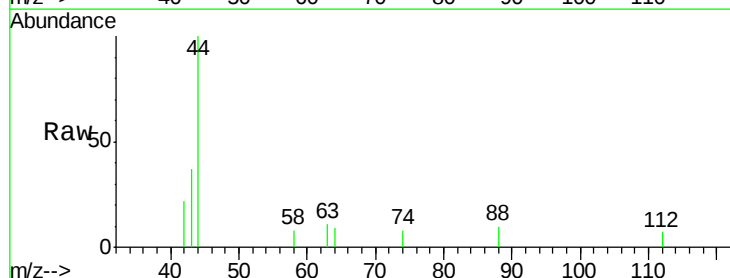
Tgt Ion: 42 Resp: 40

Ion Ratio Lower Upper

42 100

74 37.7 90.1 135.1#

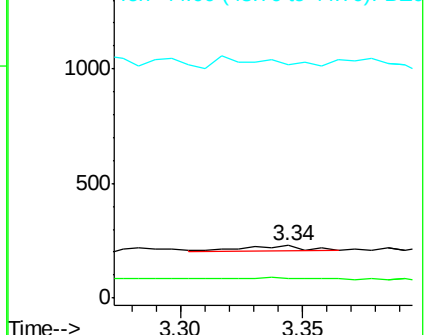
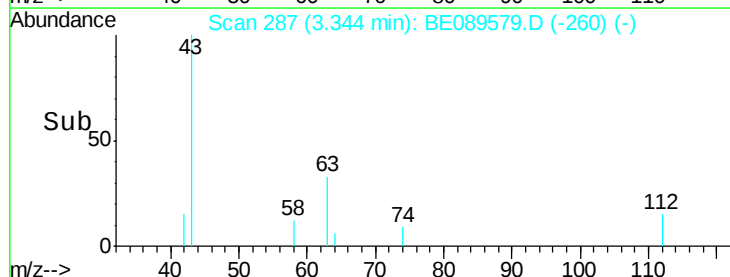
44 446.1 35.0 52.4#

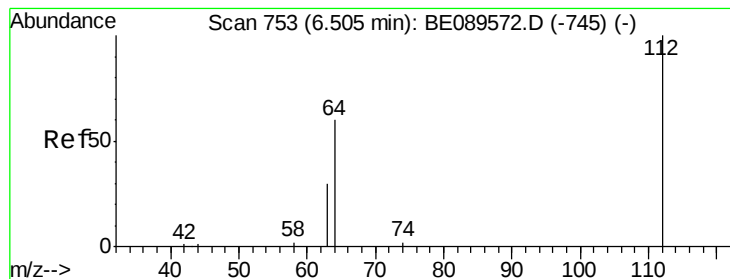


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 11.93 ng

RT: 6.50 min Scan# 753

Delta R.T. -0.00 min

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Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

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PB81705BL

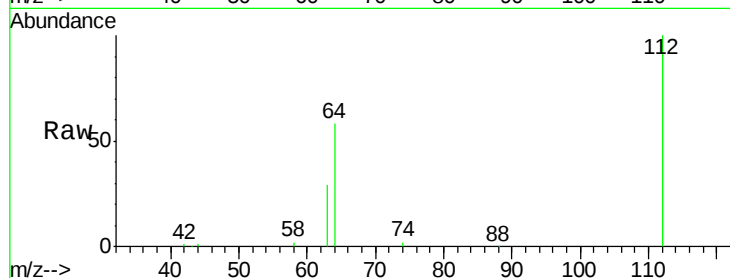
Tgt Ion: 112 Resp: 286511

Ion Ratio Lower Upper

112 100

64 58.1 48.6 72.8

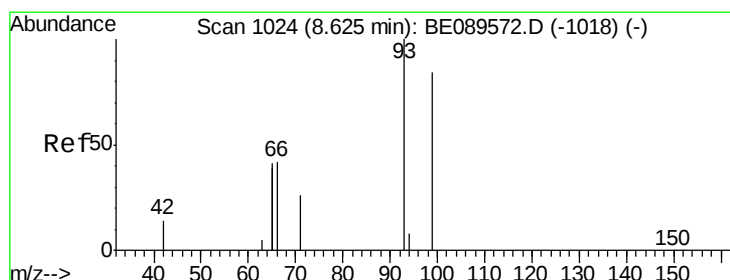
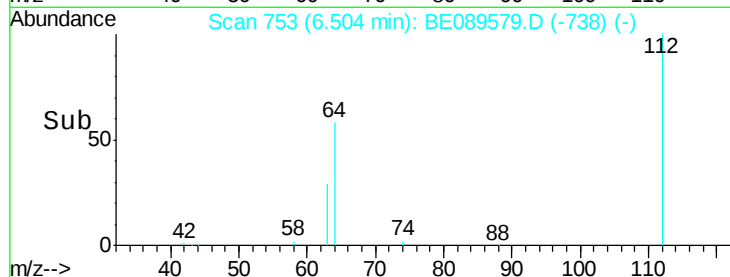
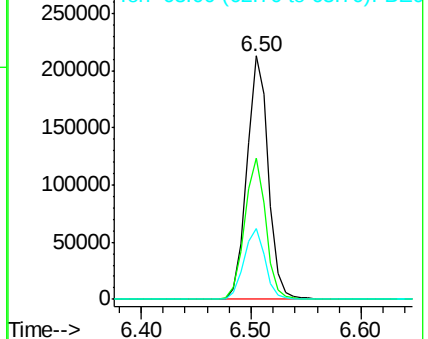
63 28.9 24.6 37.0



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: 11.76 ng

RT: 8.62 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

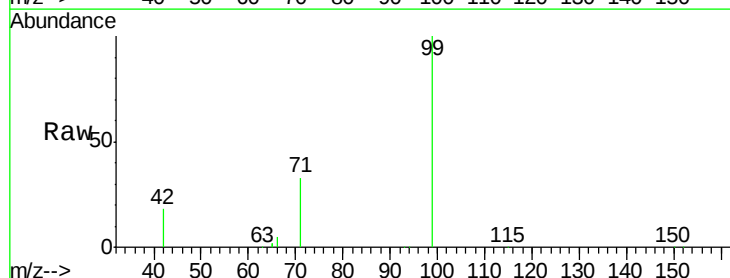
Tgt Ion: 99 Resp: 374690

Ion Ratio Lower Upper

99 100

42 18.0 13.9 20.9

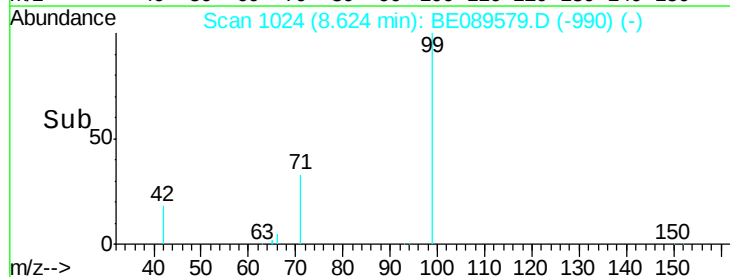
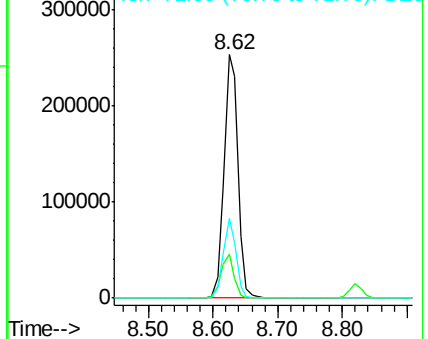
71 32.8 25.2 37.8

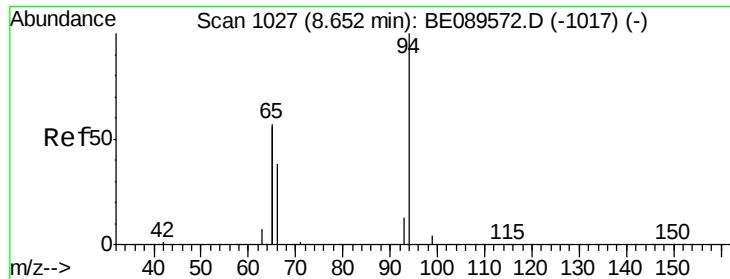


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.01 ng

RT: 8.65 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

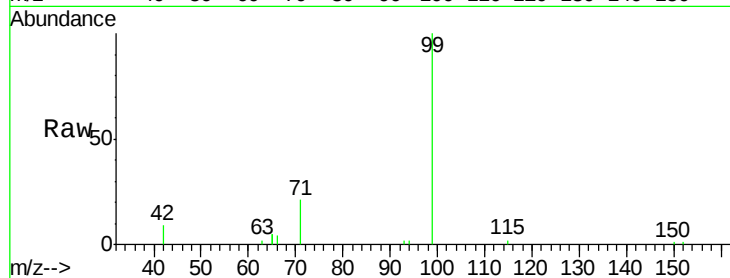
Tgt Ion: 94 Resp: 226

Ion Ratio Lower Upper

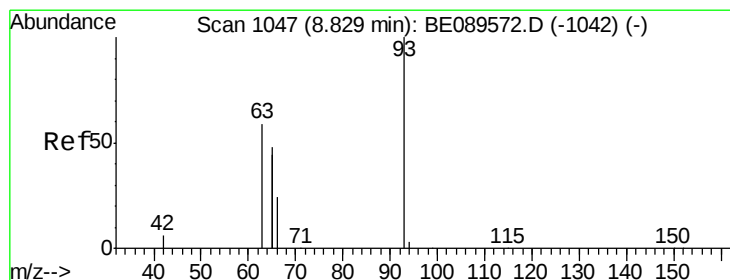
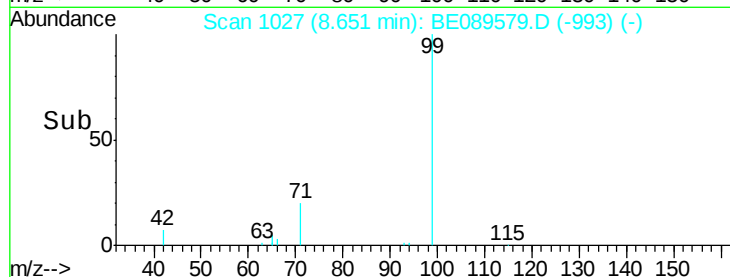
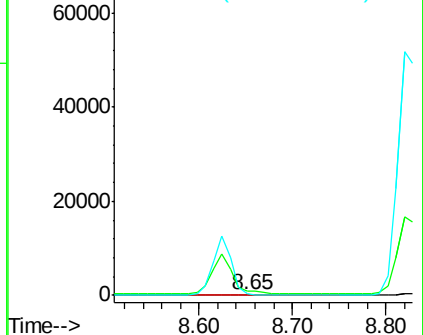
94 100

65 645.3 94.5 134.5#

66 261.3 18.2 58.2#



Abundance Ion 94.00 (93.70 to 94.70): BE0
Ion 65.00 (64.70 to 65.70): BE0
Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 8.83 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

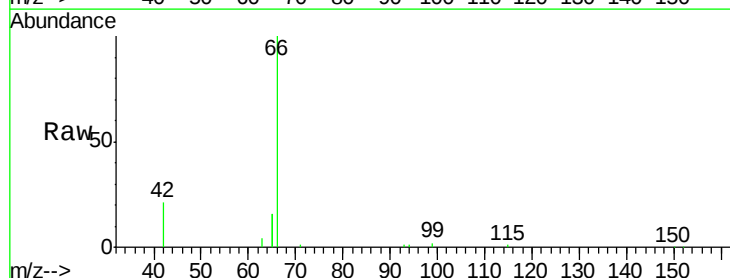
Tgt Ion: 93 Resp: 421

Ion Ratio Lower Upper

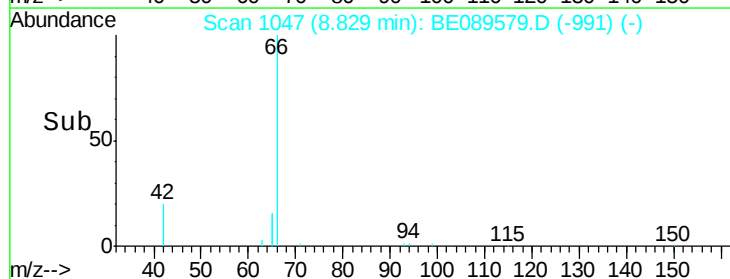
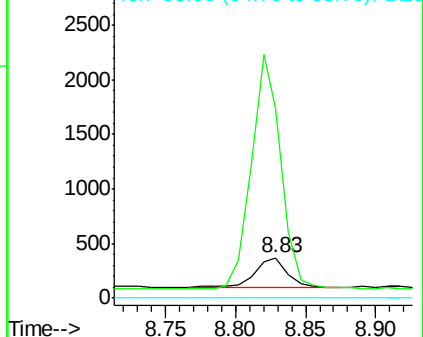
93 100

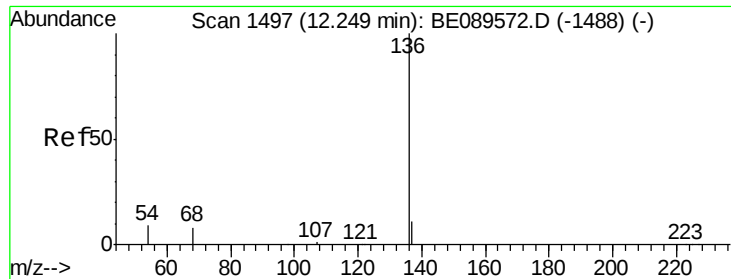
63 754.9 81.7 122.5#

95 0.0 0.0 0.0



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

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BNA_E

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PB81705BL

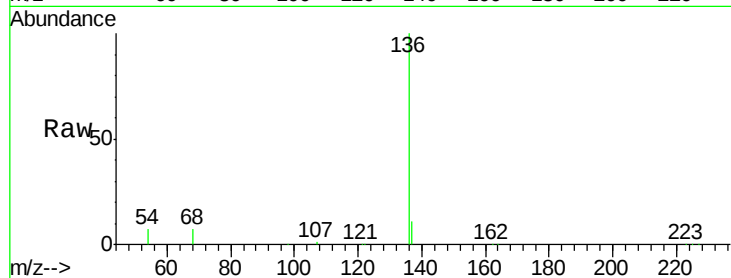
Tgt Ion: 136 Resp: 331644

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

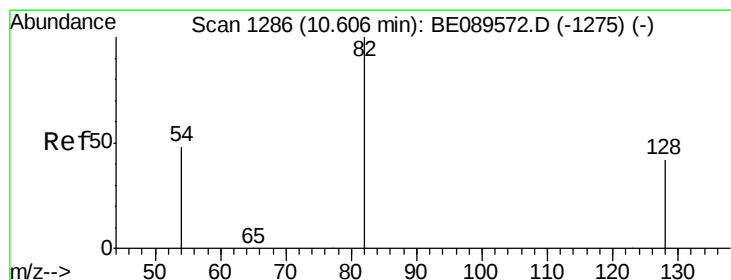
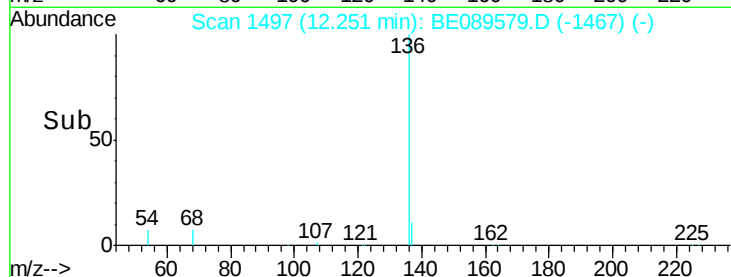
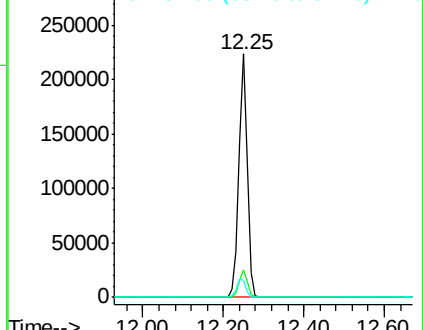
54 7.2 7.0 10.4



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: 12.45 ng

RT: 10.61 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

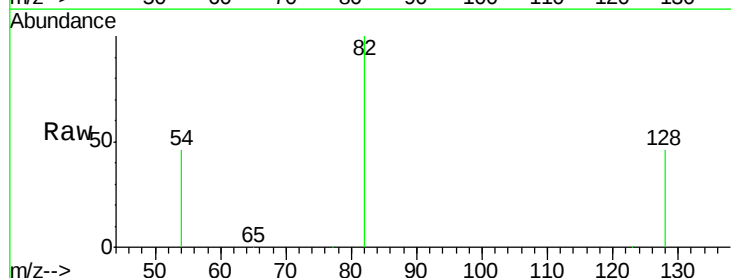
Tgt Ion: 82 Resp: 175487

Ion Ratio Lower Upper

82 100

128 45.7 33.8 50.6

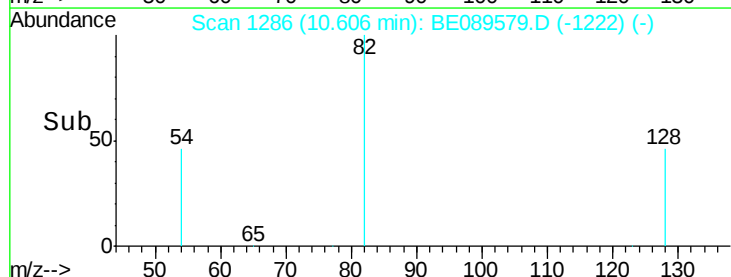
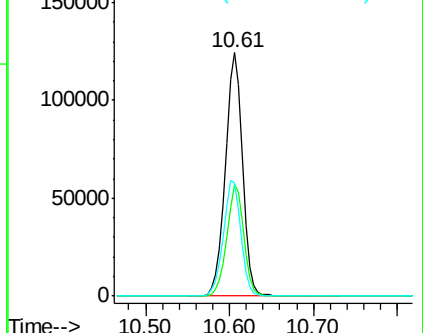
54 46.5 39.0 58.6

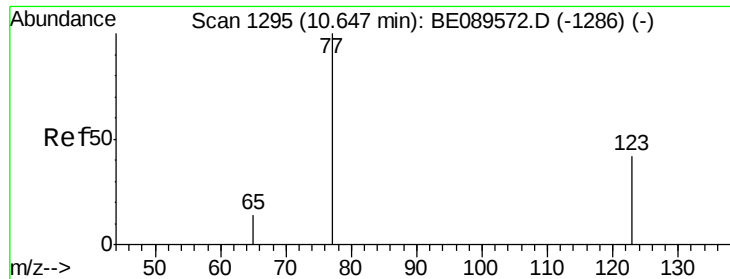


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.04 ng

RT: 10.61 min Scan# 1286

Delta R.T. -0.04 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

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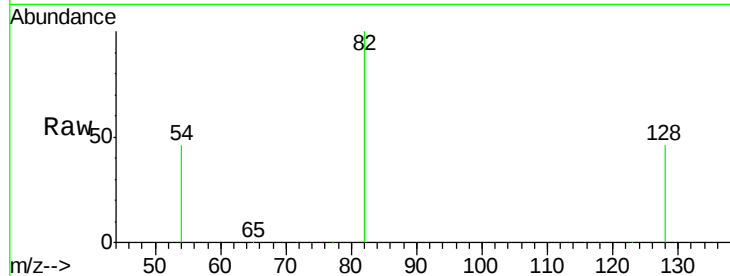
Tgt Ion: 77 Resp: 699

Ion Ratio Lower Upper

77 100

123 0.0 34.4 51.6#

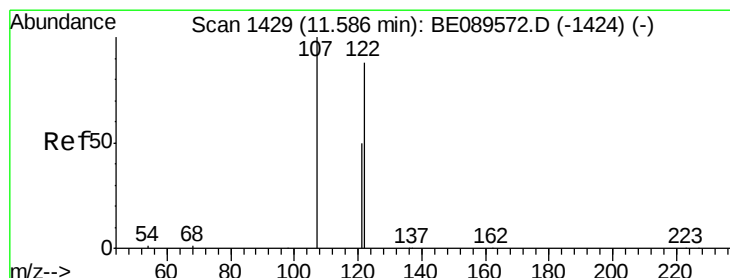
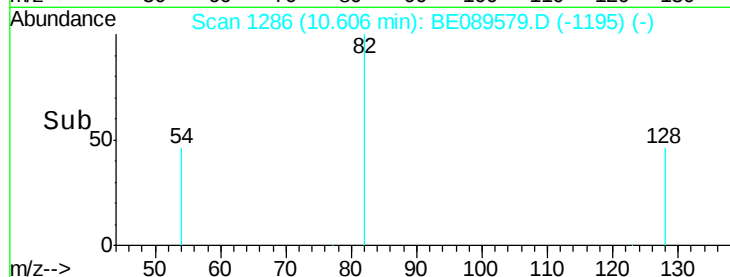
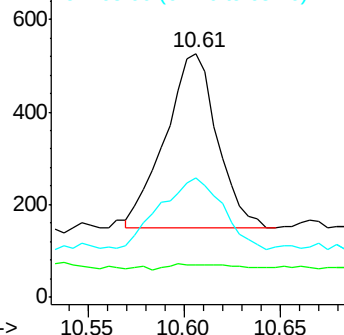
65 49.5 11.4 17.2#



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: 11.63 min Scan# 1433

Delta R.T. 0.04 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

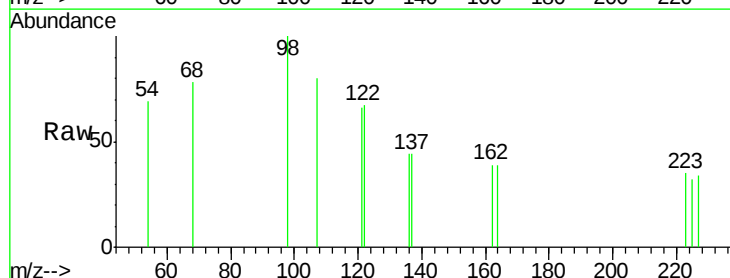
Tgt Ion: 122 Resp: 80

Ion Ratio Lower Upper

122 100

107 120.4 90.9 136.3

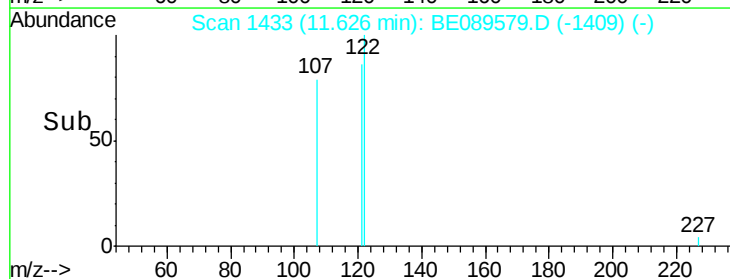
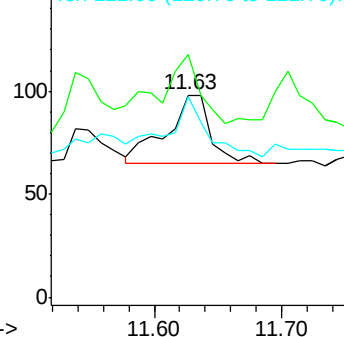
121 99.0 45.4 68.2#

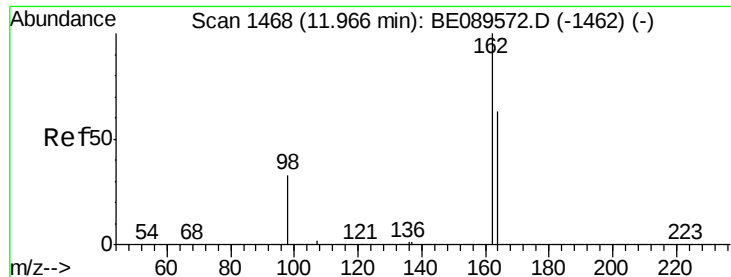


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

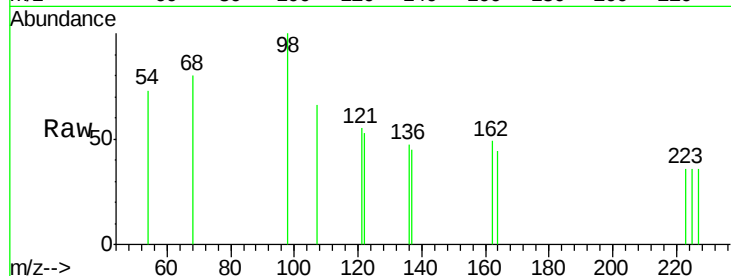




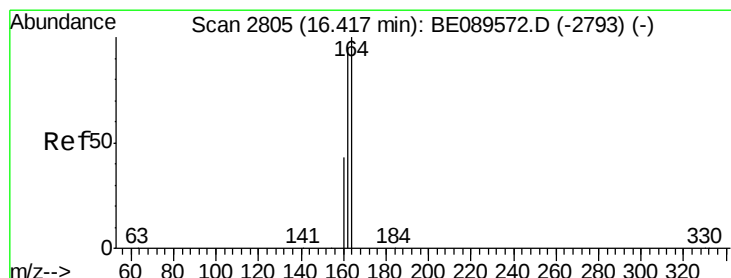
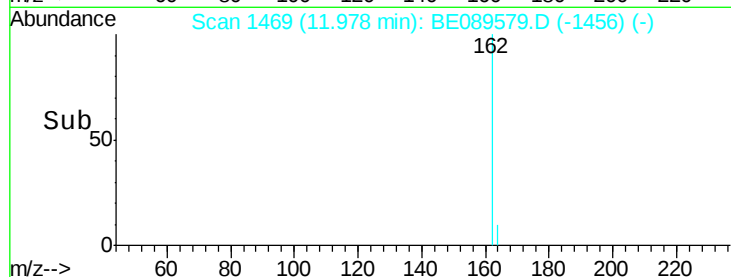
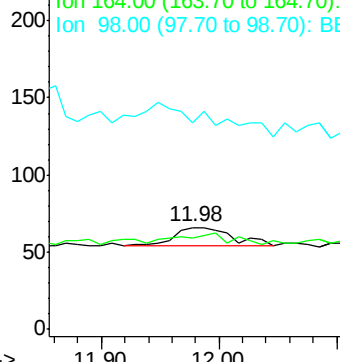
#11
2,4-Dichlorophenol
Concen: 0.00 ng
RT: 11.98 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BE089579.D
Acq: 16 Feb 2015 21:46

Instrument :
BNA_E
ClientSampleId :
PB81705BL

Tgt Ion:162 Resp: 41
Ion Ratio Lower Upper
162 100
164 89.4 43.4 83.4#
98 203.0 14.6 54.6#

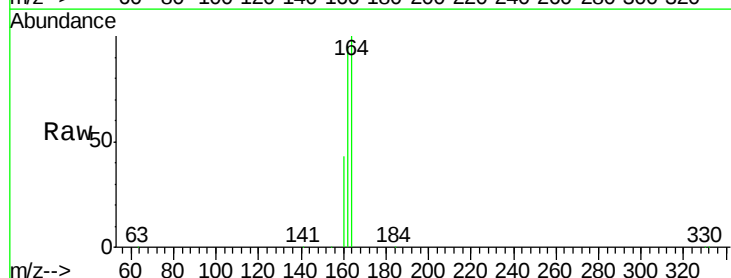


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

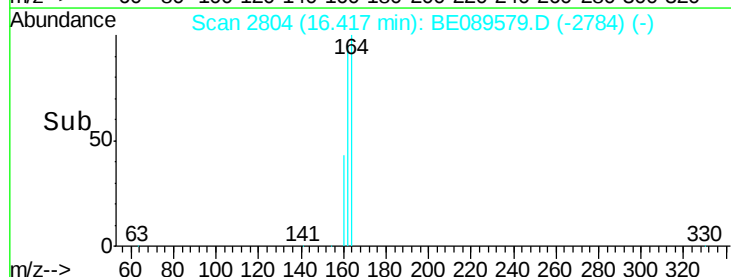
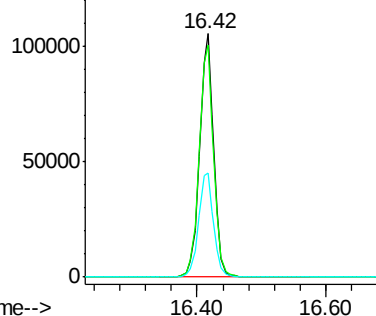


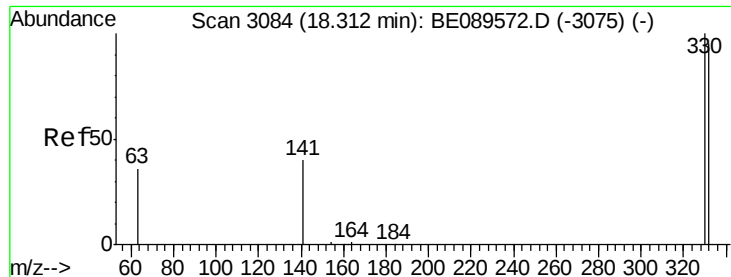
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2804
Delta R.T. -0.00 min
Lab File: BE089579.D
Acq: 16 Feb 2015 21:46

Tgt Ion:164 Resp: 159494
Ion Ratio Lower Upper
164 100
162 95.2 76.2 114.4
160 42.9 34.7 52.1



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

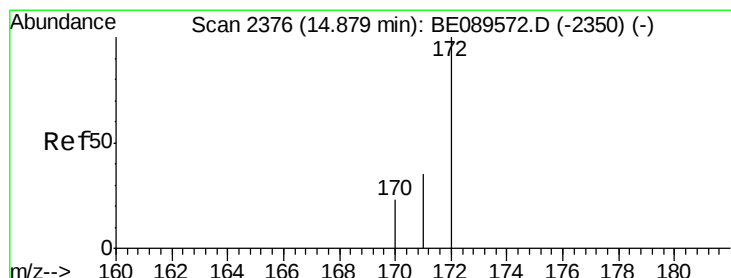
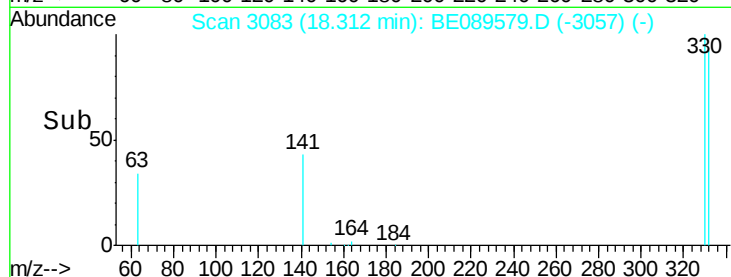
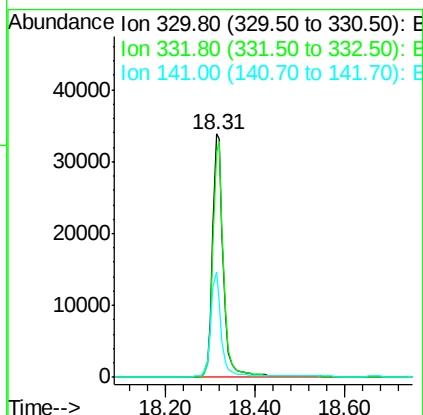
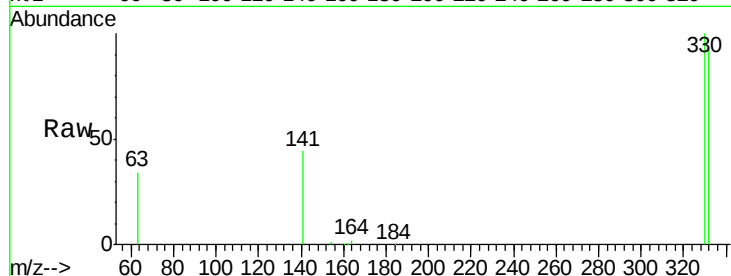




#14
 2,4,6-Tribromophenol
 Concen: 16.10 ng
 RT: 18.31 min Scan# 3083
 Delta R.T. -0.00 min
 Lab File: BE089579.D
 Acq: 16 Feb 2015 21:46

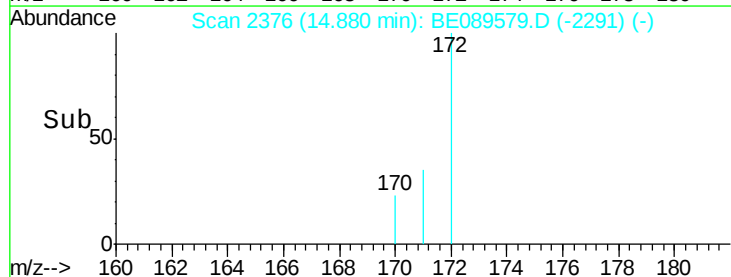
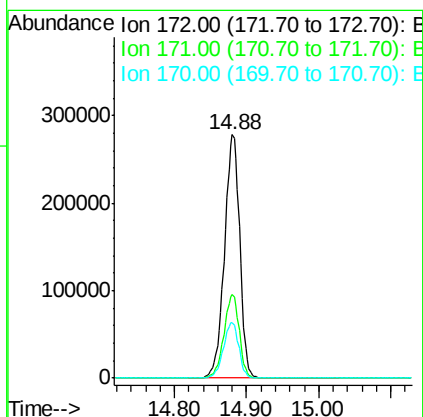
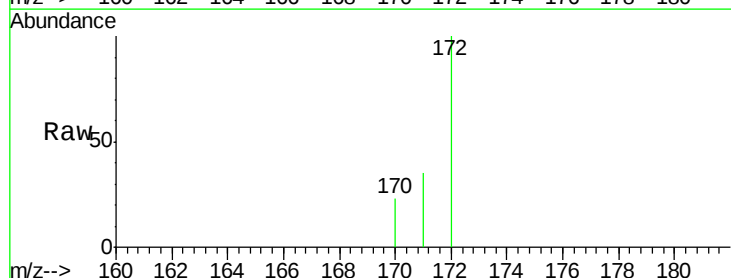
Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

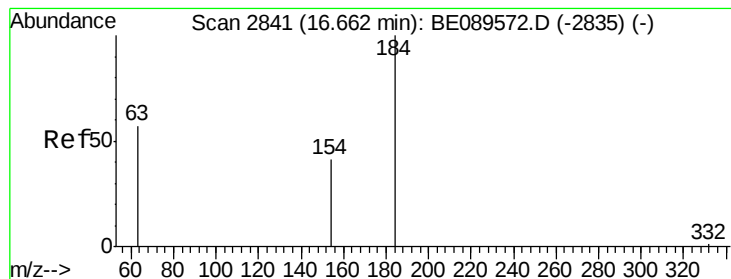
Tgt Ion:330 Resp: 57860
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.3 117.5
 141 41.2 33.4 50.0



#15
 2-Fluorobiphenyl
 Concen: 9.48 ng
 RT: 14.88 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: BE089579.D
 Acq: 16 Feb 2015 21:46

Tgt Ion:172 Resp: 408295
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.8 41.6
 170 23.0 18.5 27.7





#16

2,4-Dinitrophenol

Concen: 0.02 ng

RT: 16.68 min Scan# 2843

Delta R.T. 0.02 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

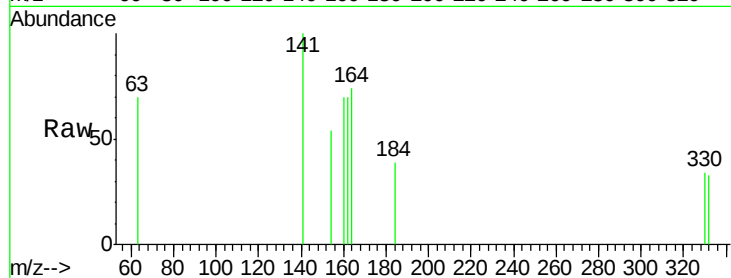
Tgt Ion:184 Resp: 10

Ion Ratio Lower Upper

184 100

63 177.8 70.8 106.2#

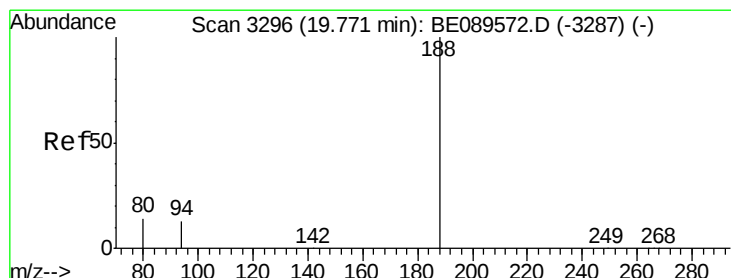
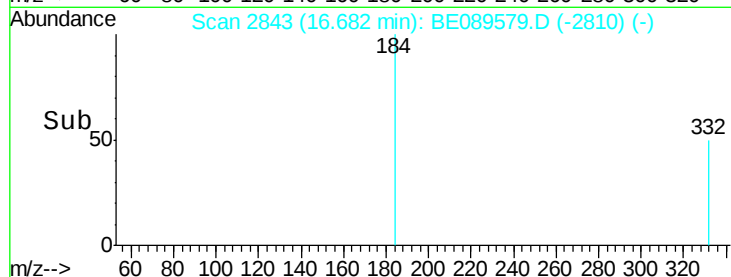
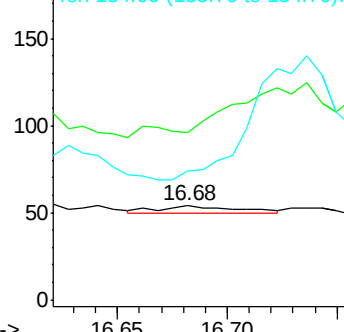
154 137.0 52.9 79.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 154.00 (153.70 to 154.70): E



#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

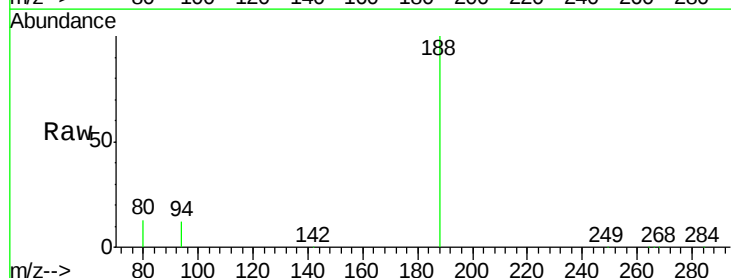
Tgt Ion:188 Resp: 308778

Ion Ratio Lower Upper

188 100

94 12.3 10.2 15.4

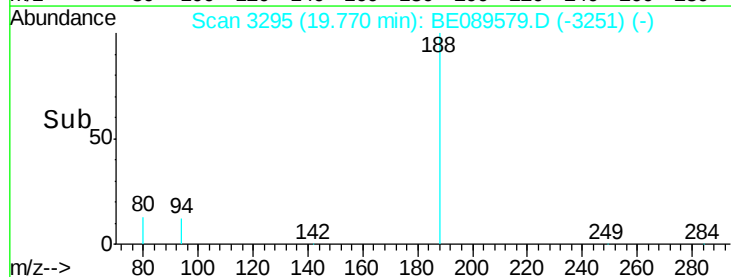
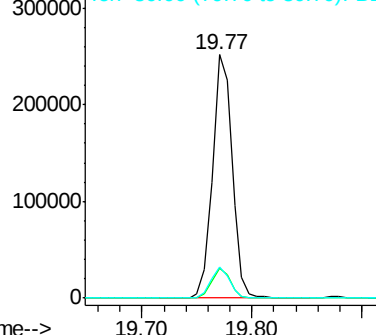
80 12.9 11.0 16.6

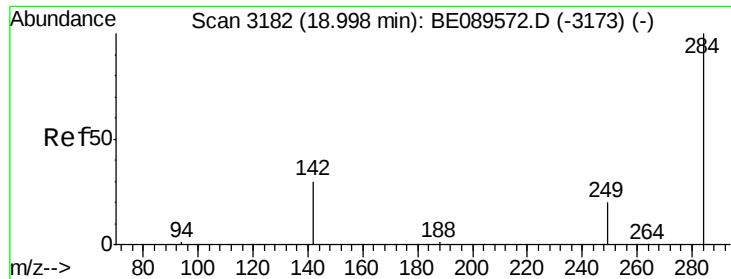


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

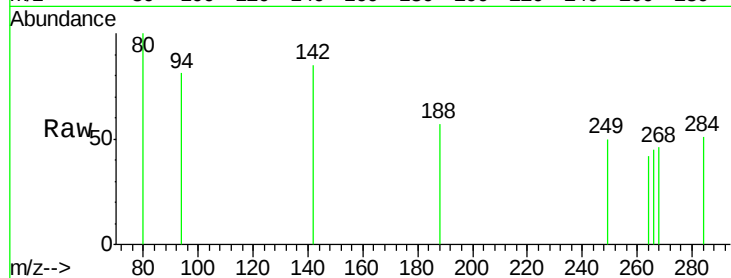




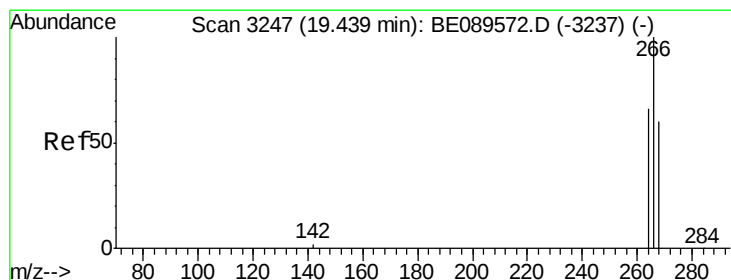
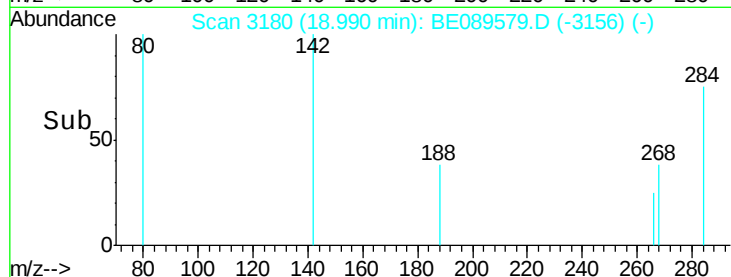
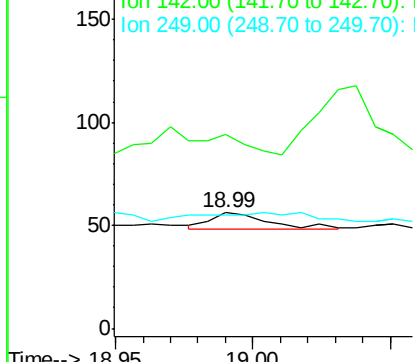
#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 18.99 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BE089579.D
Acq: 16 Feb 2015 21:46

Instrument :
BNA_E
ClientSampleId :
PB81705BL

Tgt Ion: 284 Resp: 13
Ion Ratio Lower Upper
284 100
142 167.9 27.6 41.4#
249 98.2 20.0 30.0#

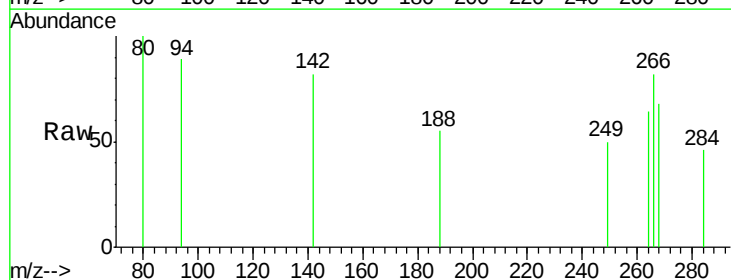


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

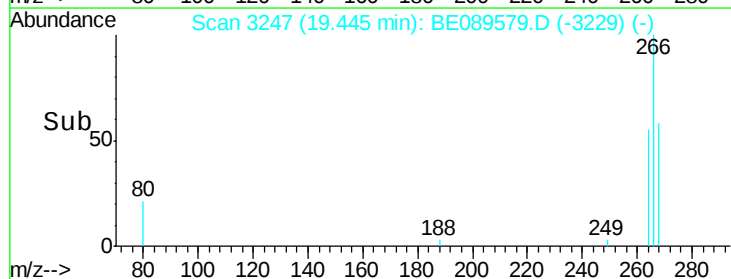
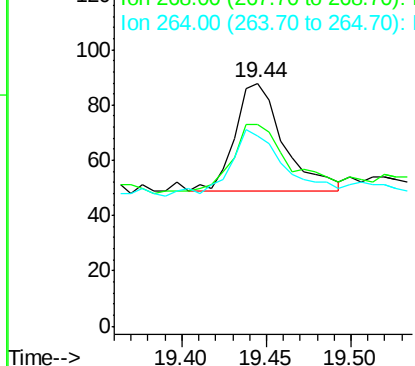


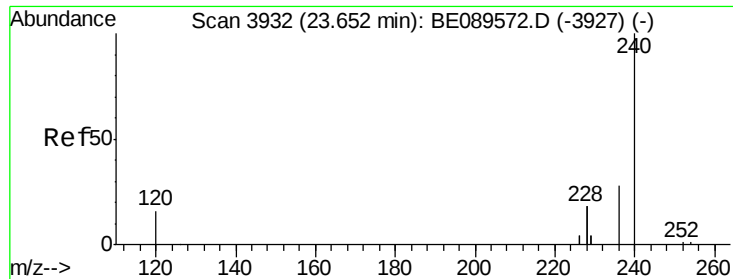
#19
Pentachlorophenol
Concen: 0.03 ng
RT: 19.44 min Scan# 3247
Delta R.T. 0.01 min
Lab File: BE089579.D
Acq: 16 Feb 2015 21:46

Tgt Ion: 266 Resp: 77
Ion Ratio Lower Upper
266 100
268 83.0 50.2 75.4#
264 78.4 54.4 81.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3932

Delta R.T. 0.01 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

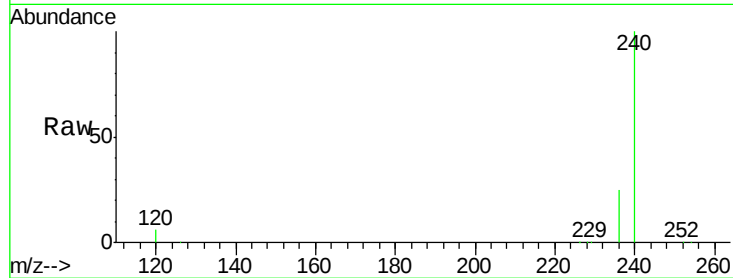
Tgt Ion:240 Resp: 334619

Ion Ratio Lower Upper

240 100

120 5.7 12.7 19.1#

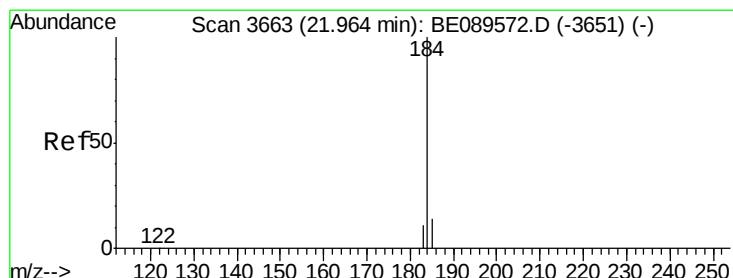
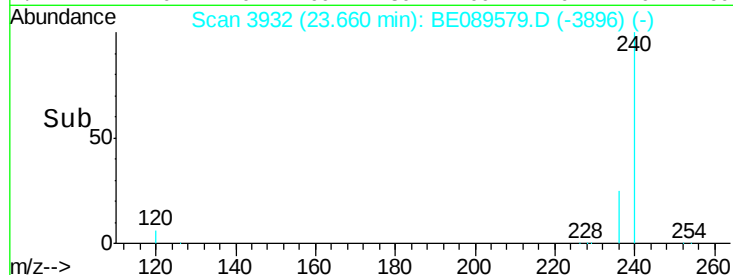
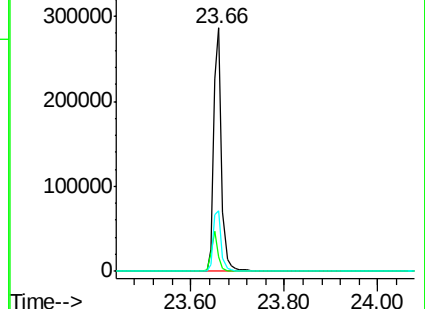
236 24.9 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#21

Benzidine

Concen: 0.00 ng

RT: 21.97 min Scan# 3664

Delta R.T. 0.01 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

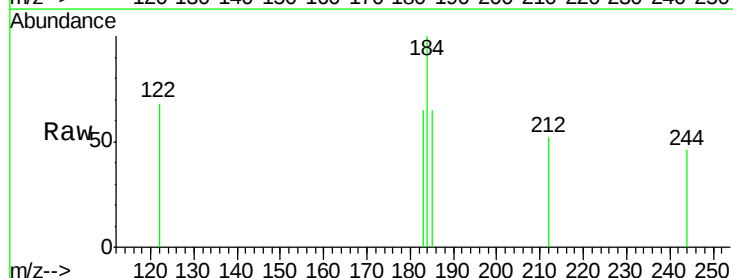
Tgt Ion:184 Resp: 136

Ion Ratio Lower Upper

184 100

185 65.2 11.7 17.5#

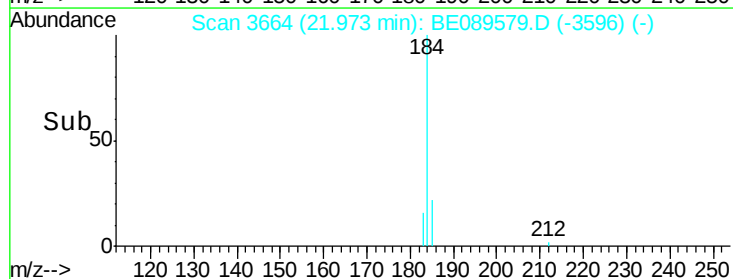
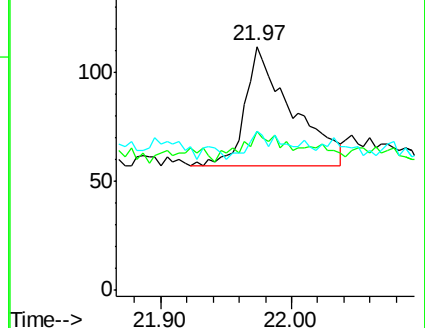
183 65.2 8.9 13.3#

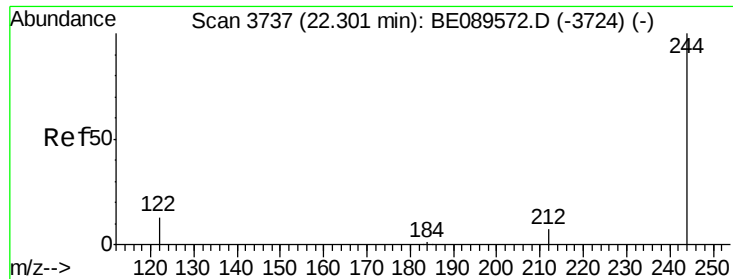


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

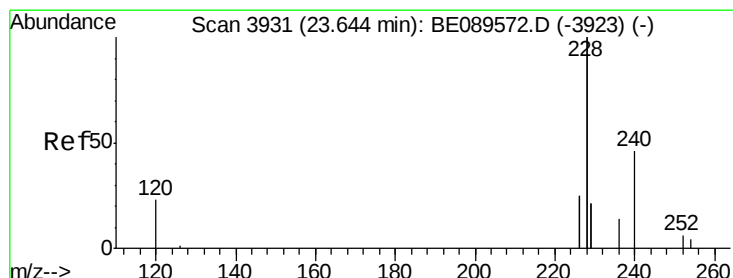
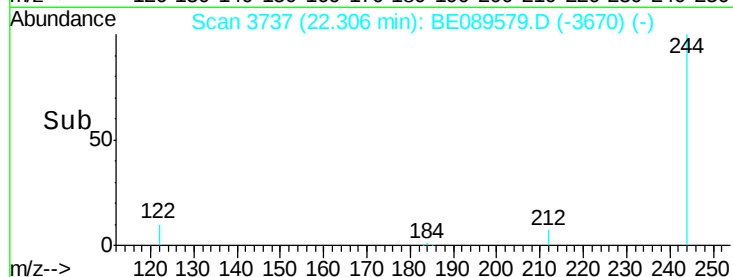
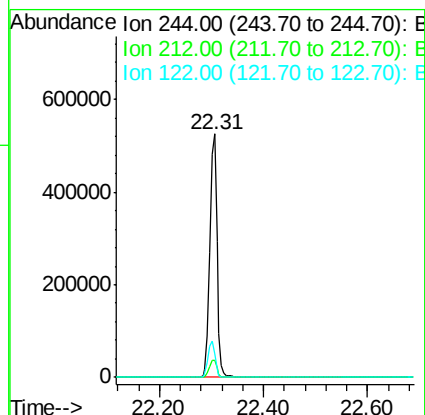
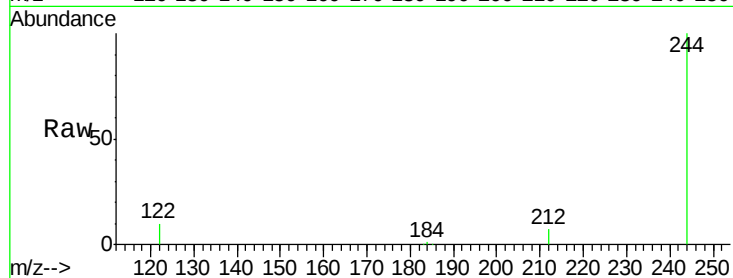




#22
 Terphenyl-d14
 Concen: 10.89 ng
 RT: 22.31 min Scan# 3737
 Delta R.T. 0.00 min
 Lab File: BE089579.D
 Acq: 16 Feb 2015 21:46

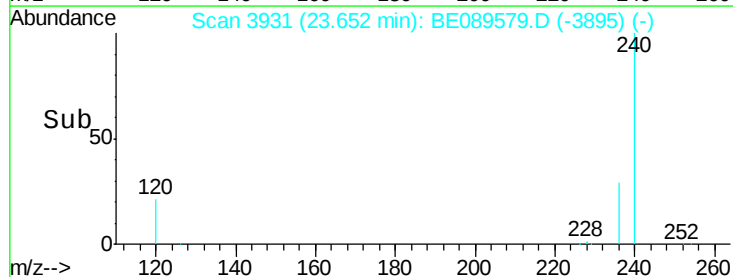
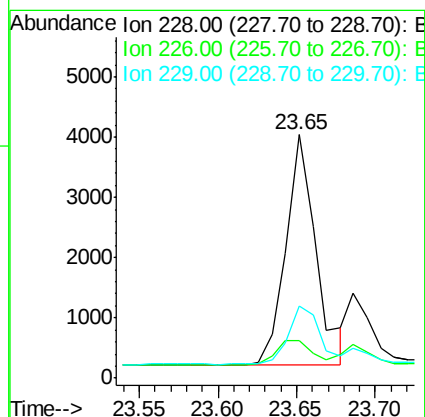
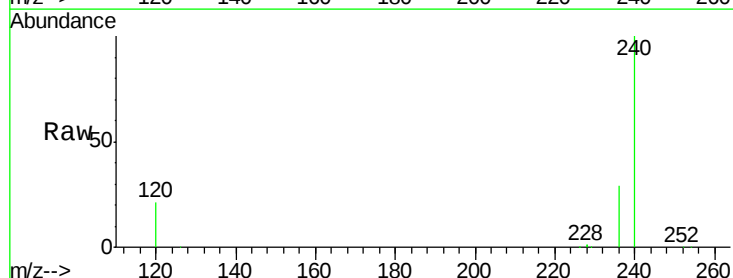
Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

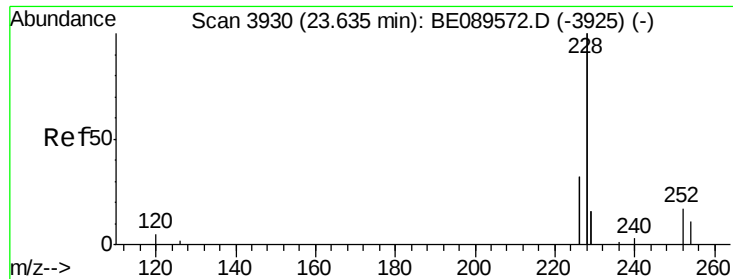
Tgt Ion:244 Resp: 502241
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.8 10.2 15.2#



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.65 min Scan# 3931
 Delta R.T. 0.01 min
 Lab File: BE089579.D
 Acq: 16 Feb 2015 21:46

Tgt Ion:228 Resp: 5042
 Ion Ratio Lower Upper
 228 100
 226 15.3 19.9 29.9#
 229 29.7 16.6 24.8#

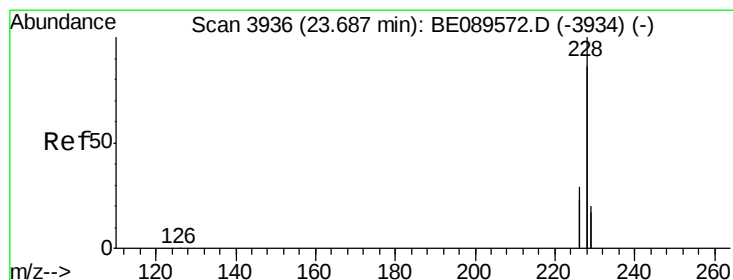
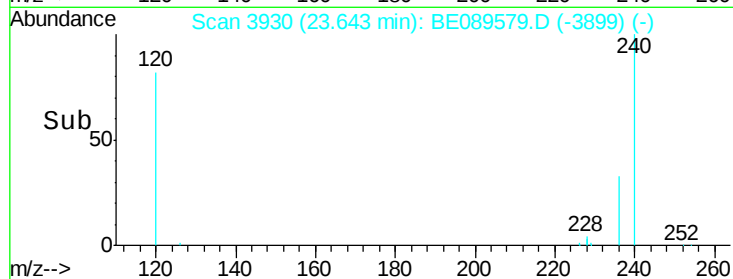
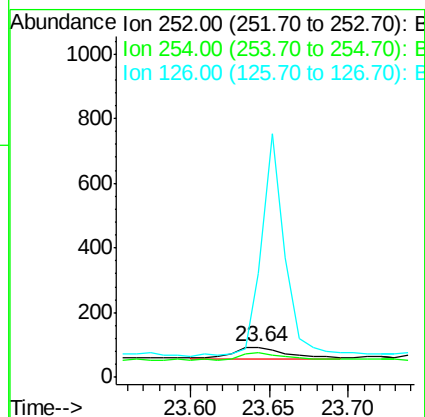
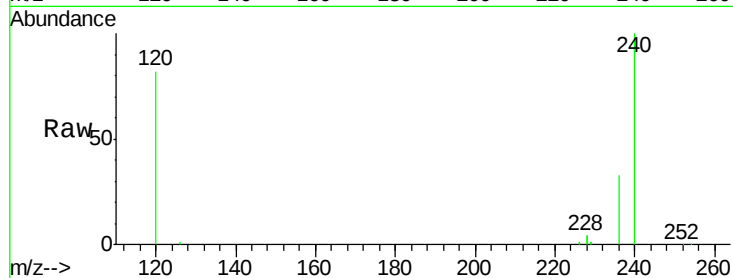




#24
 3,3'-Dichlorobenzidine
 Concen: 0.00 ng
 RT: 23.64 min Scan# 3930
 Delta R.T. 0.01 min
 Lab File: BE089579.D
 Acq: 16 Feb 2015 21:46

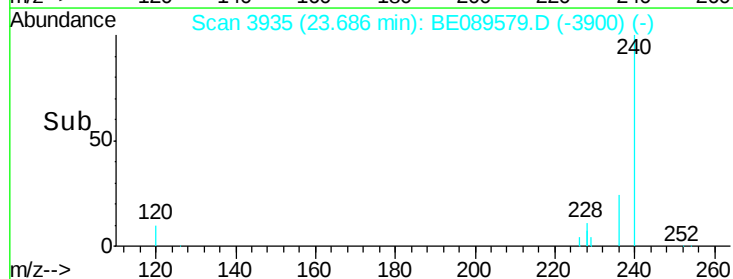
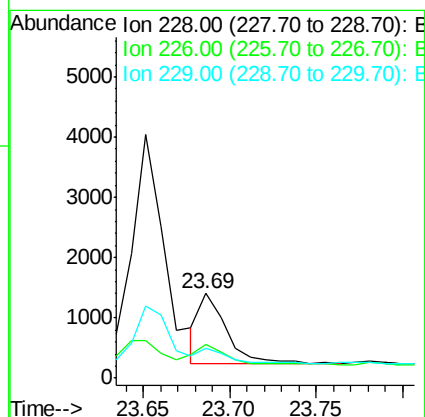
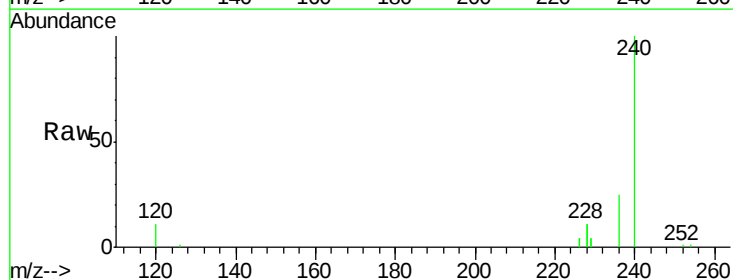
Instrument :
 BNA_E
 ClientSampleId :
 PB81705BL

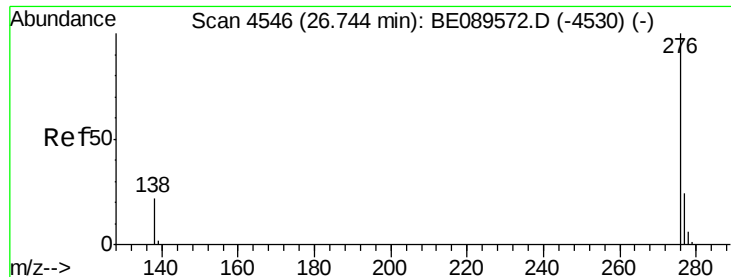
Tgt Ion: 252 Resp: 84
 Ion Ratio Lower Upper
 252 100
 254 81.7 51.0 76.4#
 126 344.1 8.3 12.5#



#25
 Chrysene
 Concen: 0.00 ng
 RT: 23.69 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BE089579.D
 Acq: 16 Feb 2015 21:46

Tgt Ion: 228 Resp: 1284
 Ion Ratio Lower Upper
 228 100
 226 39.7 22.9 34.3#
 229 35.1 15.8 23.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 26.75 min Scan# 4547

Delta R.T. 0.01 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

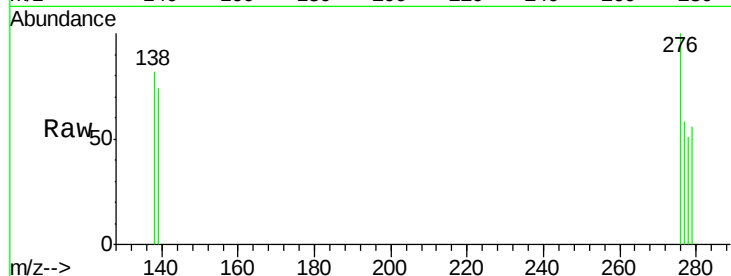
Tgt Ion:276 Resp: 214

Ion Ratio Lower Upper

276 100

138 15.0 22.1 33.1#

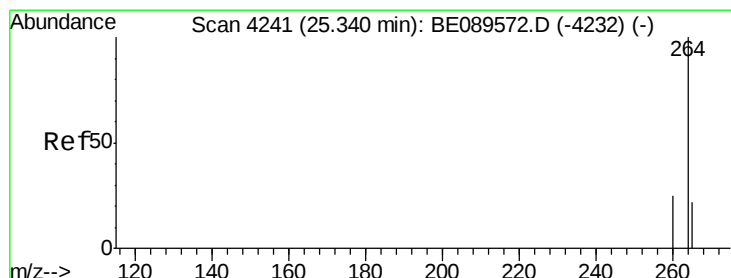
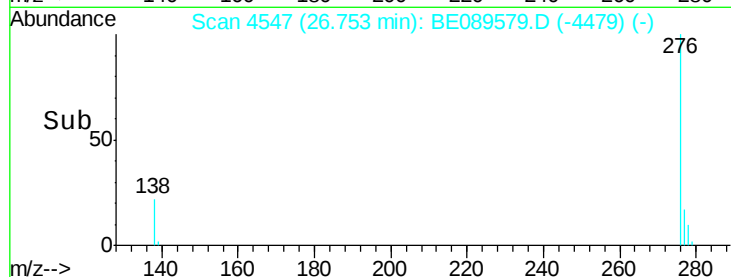
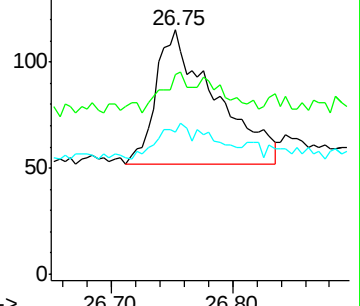
277 14.5 19.4 29.2#



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# 4241

Delta R.T. 0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

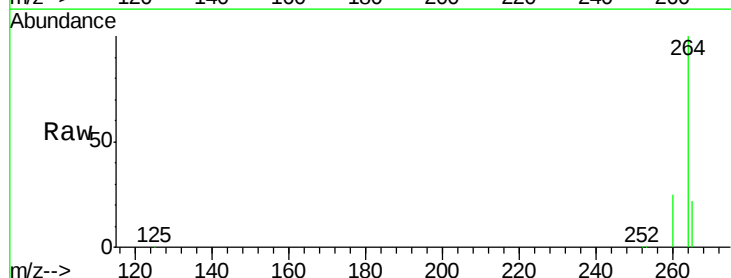
Tgt Ion:264 Resp: 330703

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

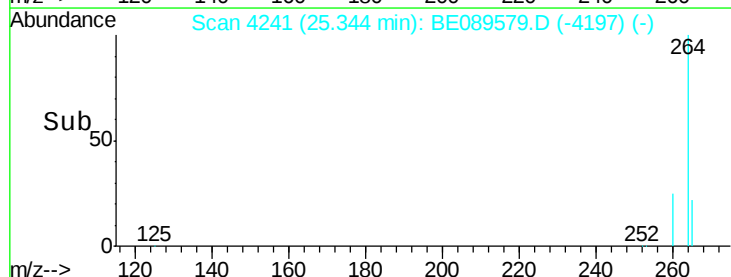
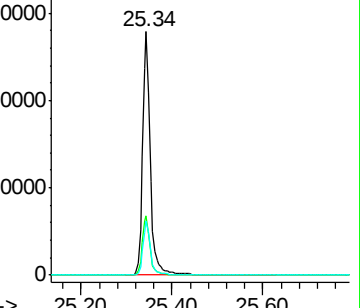
265 22.1 17.5 26.3

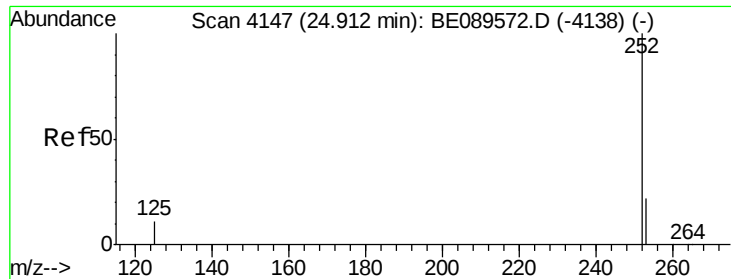


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.00 ng

RT: 24.92 min Scan# 4147

Delta R.T. 0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

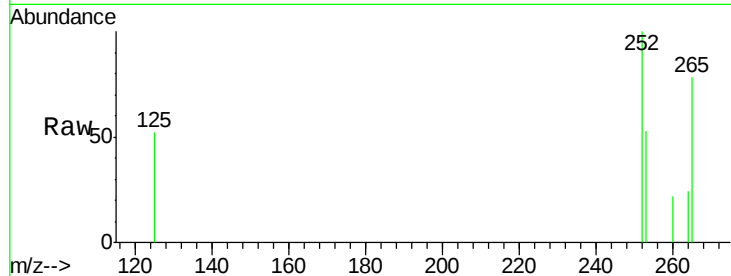
Tgt Ion:252 Resp: 208

Ion Ratio Lower Upper

252 100

253 53.4 17.5 26.3#

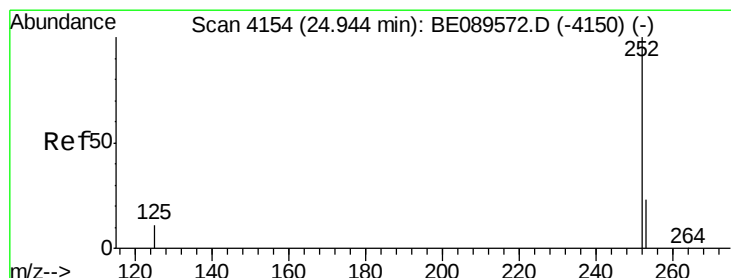
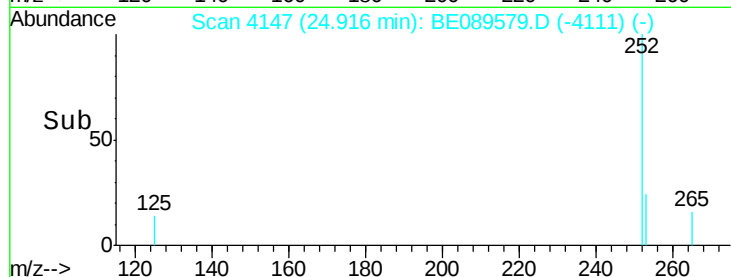
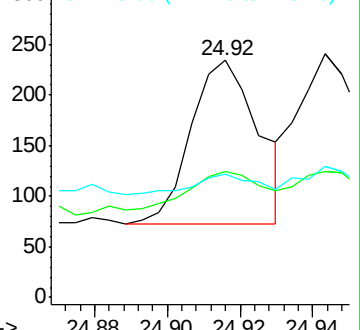
125 52.1 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#29

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 24.94 min Scan# 4153

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

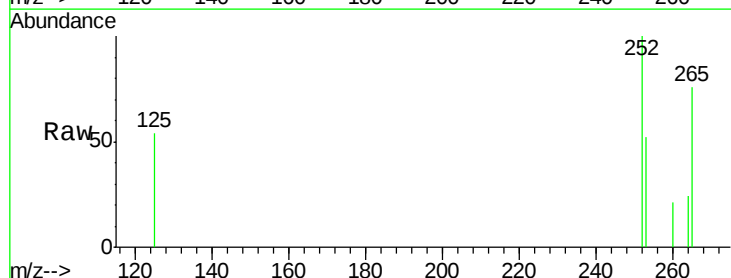
Tgt Ion:252 Resp: 270

Ion Ratio Lower Upper

252 100

253 51.9 18.2 27.2#

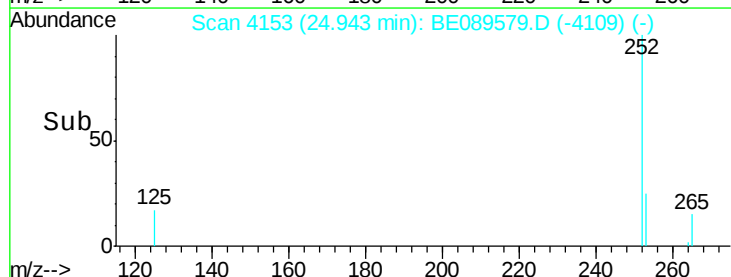
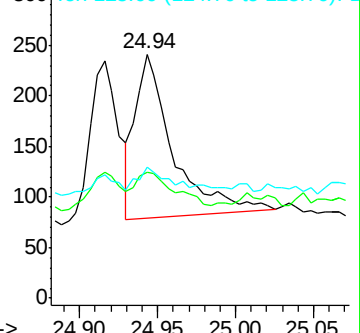
125 53.5 8.9 13.3#

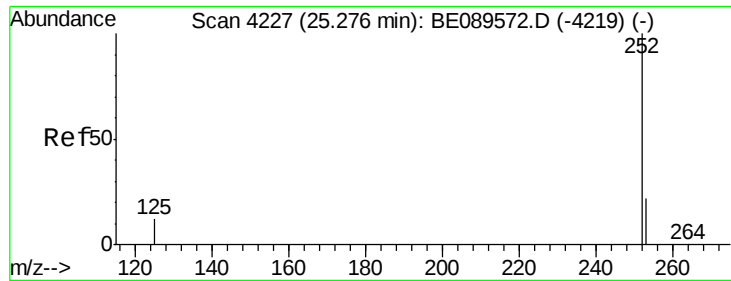


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.00 ng

RT: 25.28 min Scan# 4226

Delta R.T. -0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

Instrument :

BNA_E

ClientSampleId :

PB81705BL

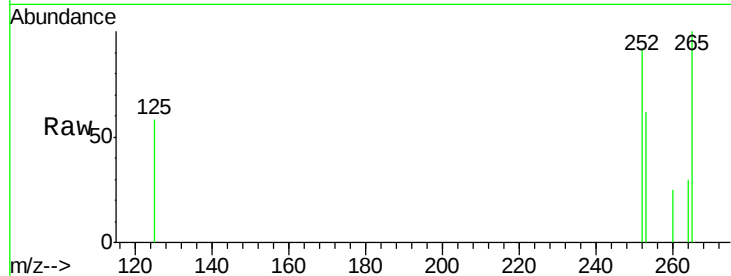
Tgt Ion: 252 Resp: 174

Ion Ratio Lower Upper

252 100

253 67.3 17.9 26.9#

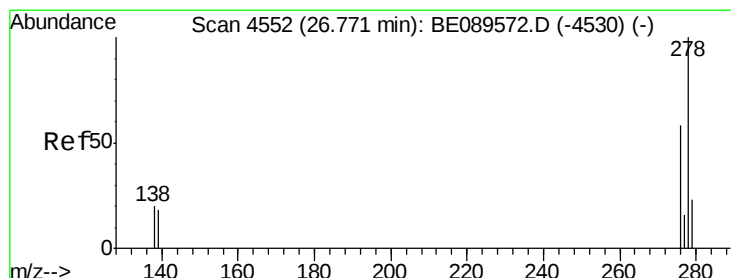
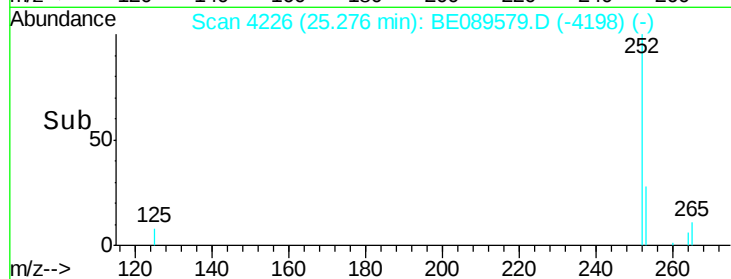
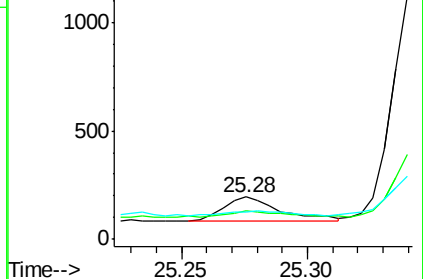
125 62.8 9.5 14.3#



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: 0.00 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089579.D

Acq: 16 Feb 2015 21:46

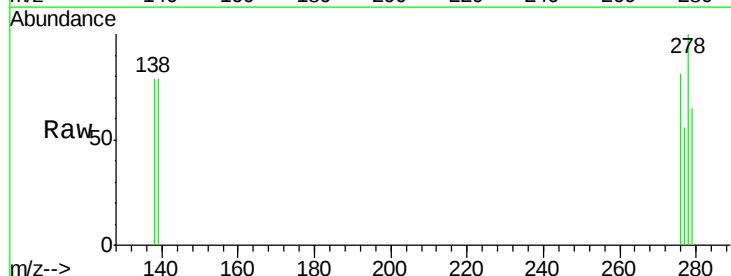
Tgt Ion: 278 Resp: 175

Ion Ratio Lower Upper

278 100

139 78.8 14.7 22.1#

279 65.3 19.0 28.4#



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

