

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020415\
 Data File : BE089497.D
 Acq On : 4 Feb 2015 15:19
 Operator : TP/IZ
 Sample : G1150-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB

Quant Time: Feb 04 17:30:50 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	71162	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	288721	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	136952	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	236574	5.00	ng	0.00
20) Chrysene-d12	23.79	240	218971	5.00	ng	0.00
27) Perylene-d12	25.49	264	203864	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.74	112	80748	3.51	ng	0.02
4) Phenol-d6	8.87	99	50460	1.75	ng	0.03
8) Nitrobenzene-d5	10.80	82	142548	6.53	ng	0.01
14) 2,4,6-Tribromophenol	18.52	330	38175	6.49	ng	0.01
15) 2-Fluorobiphenyl	15.07	172	215084	5.96	ng	0.00
22) Terphenyl-d14	22.43	244	231875	7.47	ng	0.00

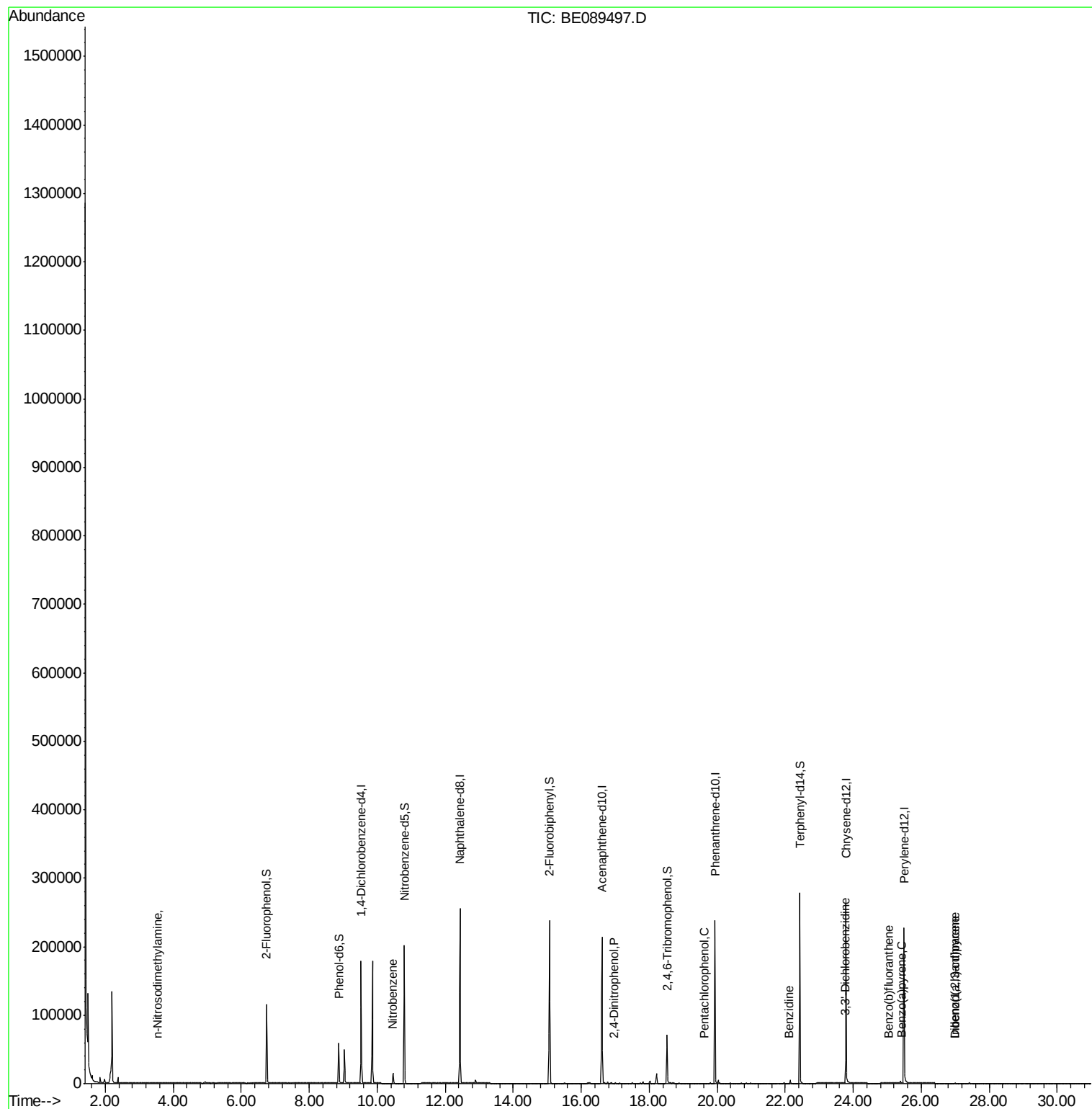
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.54	42	46	0.09	ng	# 3
9) Nitrobenzene	10.47	77	18411	0.74	ng	# 44
16) 2,4-Dinitrophenol	16.97	184	31	0.43	ng	90
19) Pentachlorophenol	19.62	266	5	0.35	ng	# 64
21) Benzidine	22.12	184	14	0.09	ng	# 1
24) 3,3'-Dichlorobenzidine	23.77	252	117	0.12	ng	# 43
26) Indeno(1,2,3-cd)pyrene	26.98	276	255	0.14	ng	# 65
28) Benzo(b)fluoranthene	25.04	252	208	0.18	ng	# 1
30) Benzo(a)pyrene	25.42	252	183	0.17	ng	# 1
31) Dibenzo(a,h)anthracene	27.00	278	226	0.15	ng	# 1

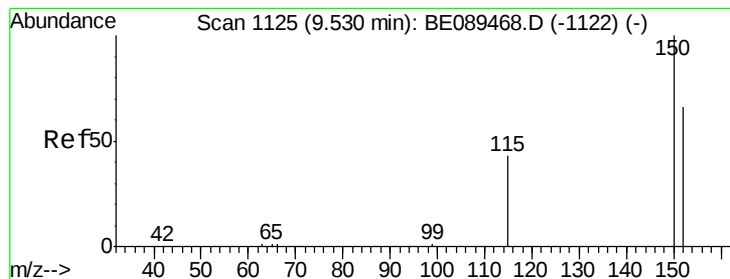
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 04 17:30:50 2015
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QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

Instrument :

BNA_E

ClientSampleId :

FB

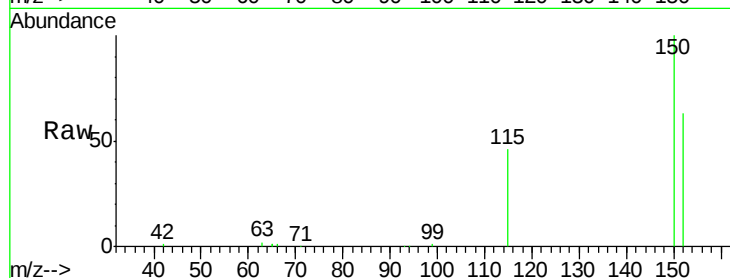
Tgt Ion: 152 Resp: 71162

Ion Ratio Lower Upper

152 100

150 159.8 122.1 183.1

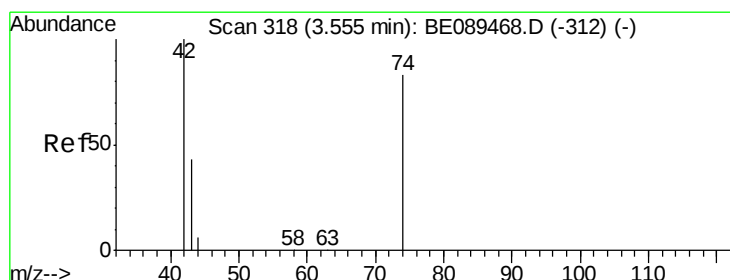
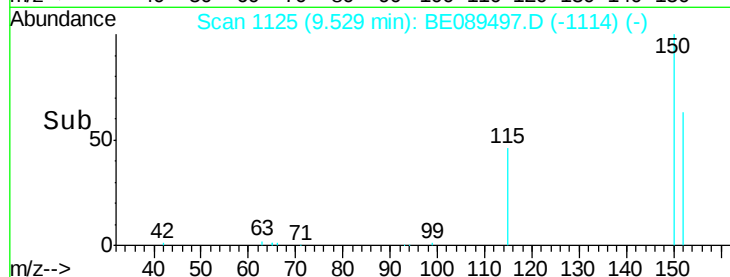
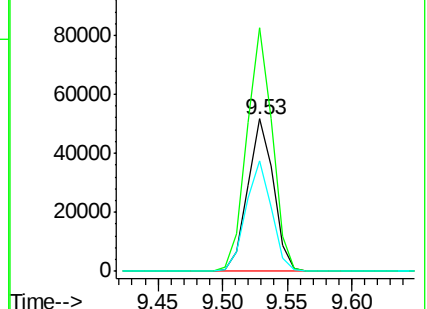
115 72.9 53.2 79.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.54 min Scan# 316

Delta R.T. -0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

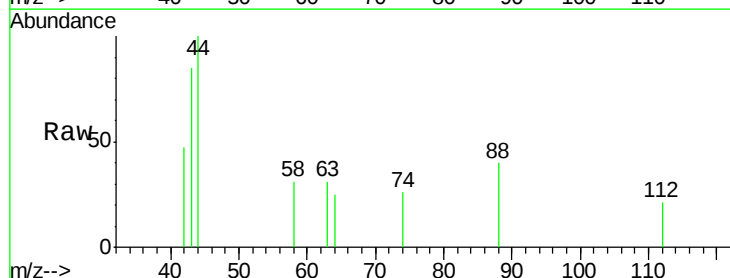
Tgt Ion: 42 Resp: 46

Ion Ratio Lower Upper

42 100

74 56.1 65.4 98.2#

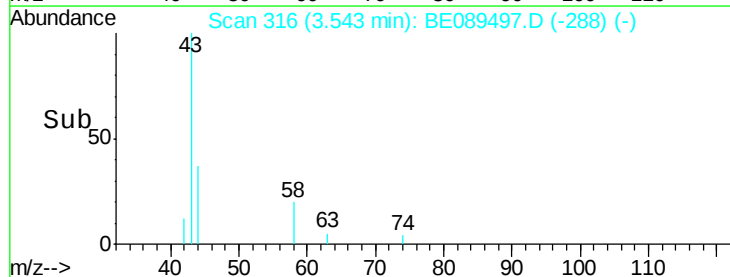
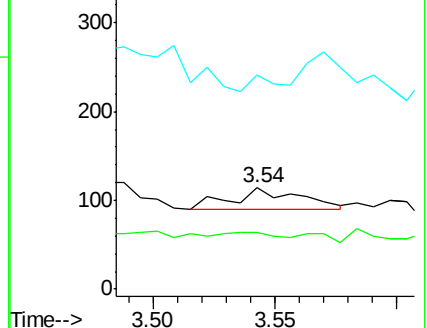
44 212.3 11.7 17.5#

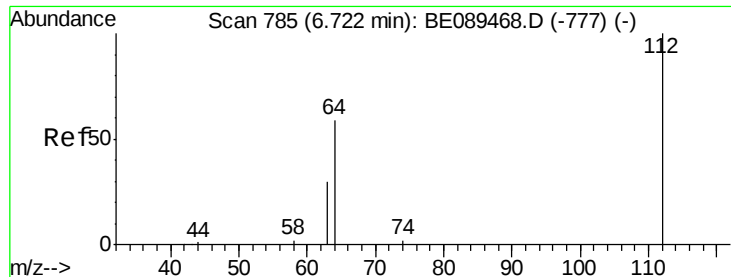


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

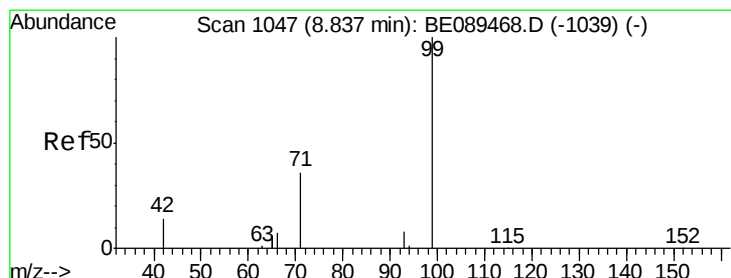
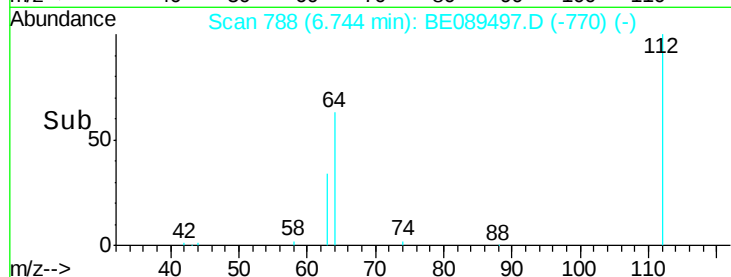
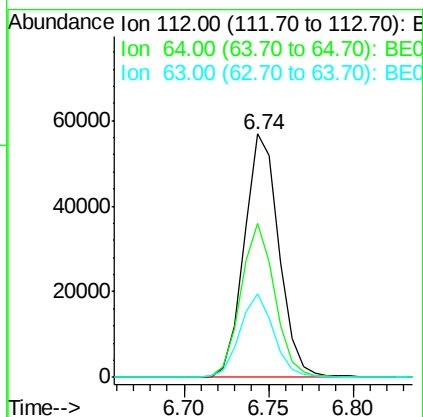
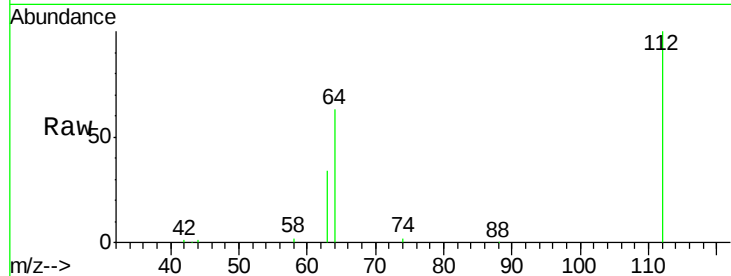




#3
 2-Fluorophenol
 Concen: 3.51 ng
 RT: 6.74 min Scan# 788
 Delta R.T. 0.02 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

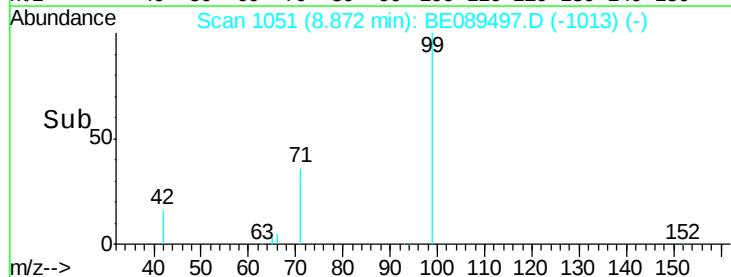
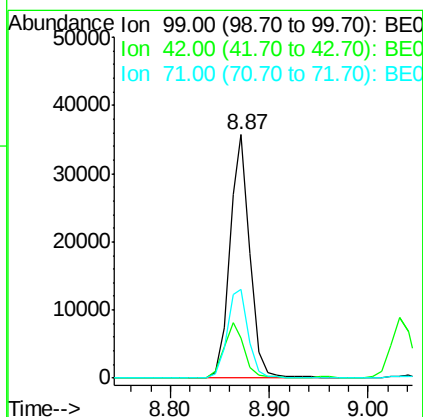
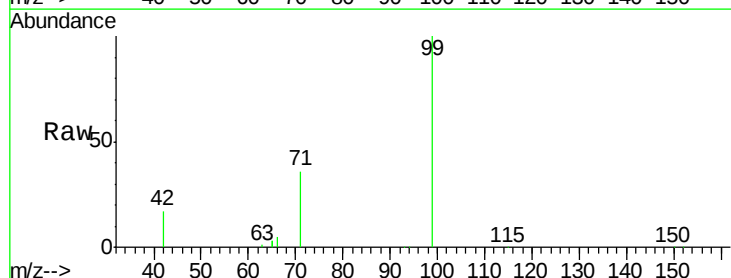
Instrument :
 BNA_E
 ClientSampleId :
 FB

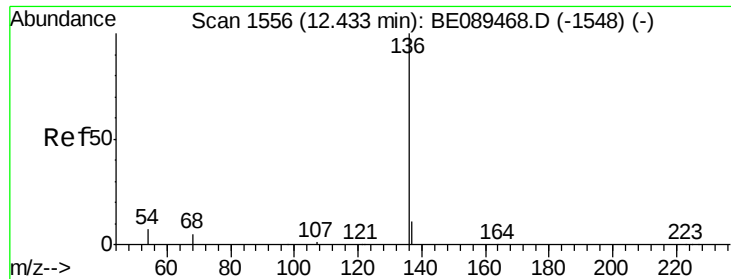
Tgt Ion: 112 Resp: 80748
 Ion Ratio Lower Upper
 112 100
 64 63.1 47.0 70.6
 63 34.1 24.2 36.2



#4
 Phenol-d6
 Concen: 1.75 ng
 RT: 8.87 min Scan# 1051
 Delta R.T. 0.03 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

Tgt Ion: 99 Resp: 50460
 Ion Ratio Lower Upper
 99 100
 42 16.6 11.8 17.6
 71 36.2 28.7 43.1





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

Instrument :

BNA_E

ClientSampleId :

FB

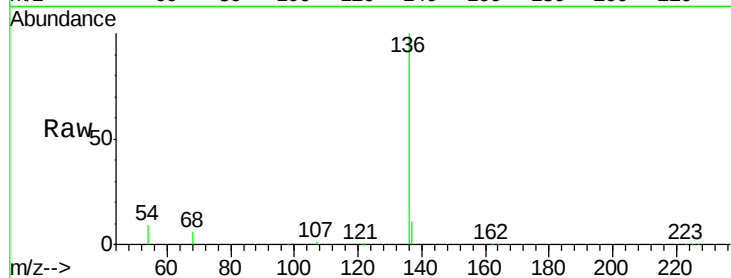
Tgt Ion: 136 Resp: 288721

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

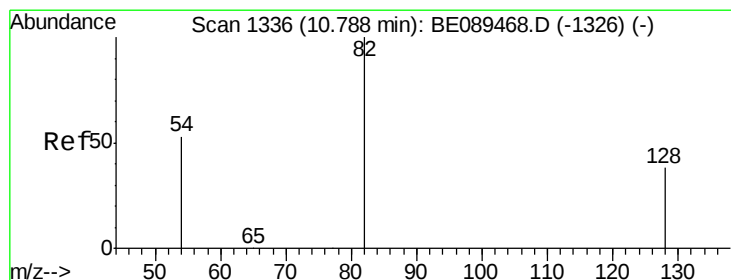
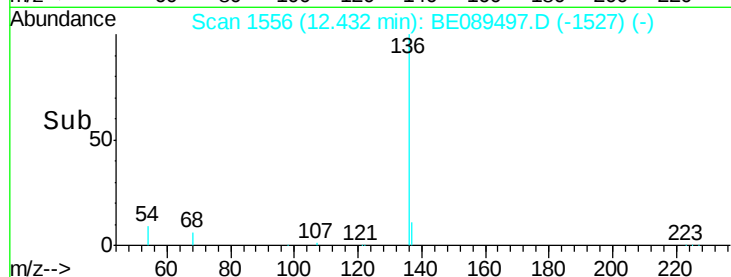
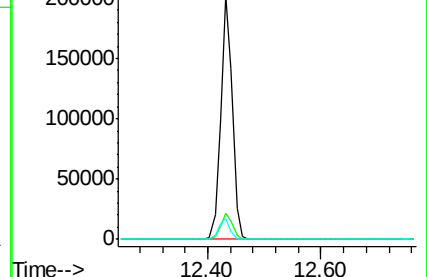
54 8.6 5.4 8.0#



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 6.53 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

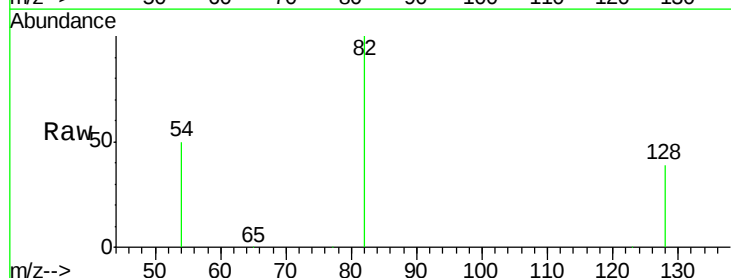
Tgt Ion: 82 Resp: 142548

Ion Ratio Lower Upper

82 100

128 39.4 30.3 45.5

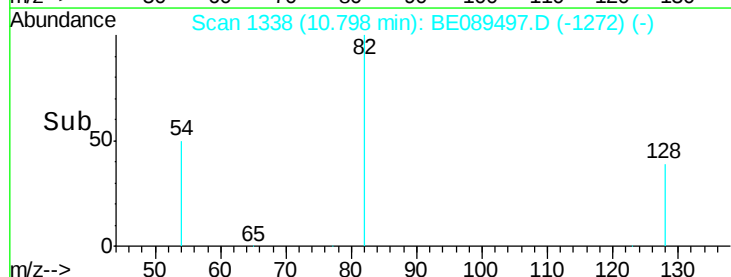
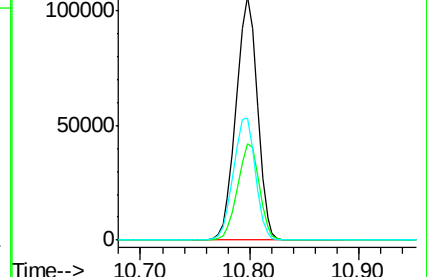
54 50.1 43.1 64.7

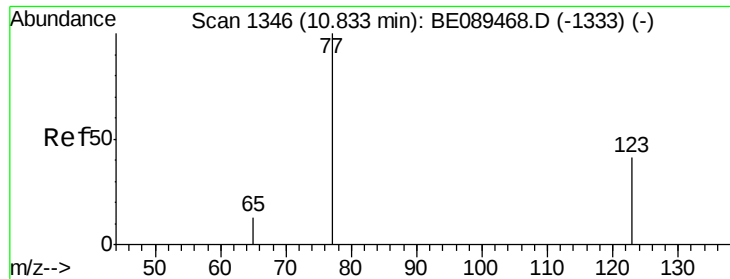


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.74 ng

RT: 10.47 min Scan# 1265

Delta R.T. -0.37 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

Instrument :

BNA_E

ClientSampleId :

FB

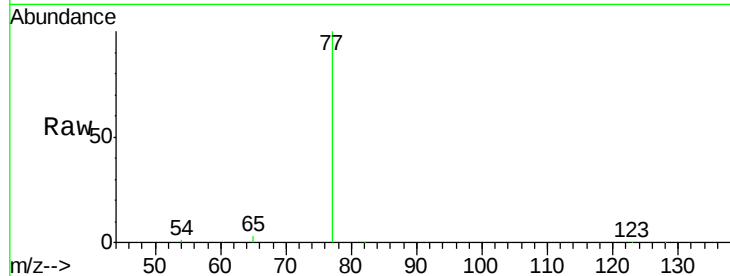
Tgt Ion: 77 Resp: 18411

Ion Ratio Lower Upper

77 100

123 0.0 33.4 50.0#

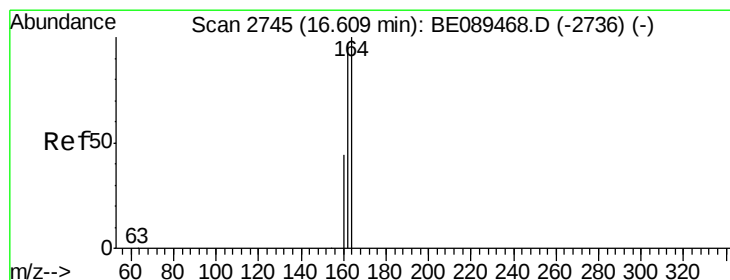
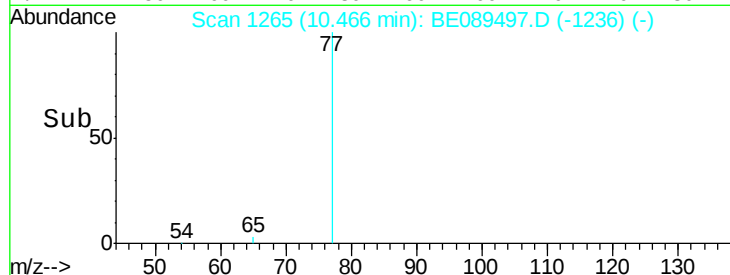
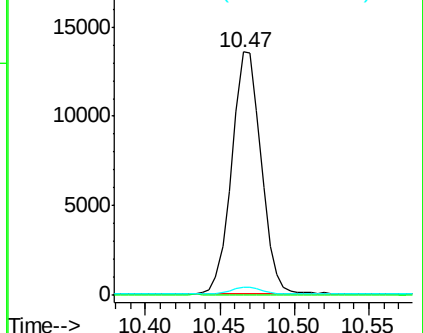
65 2.9 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.61 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

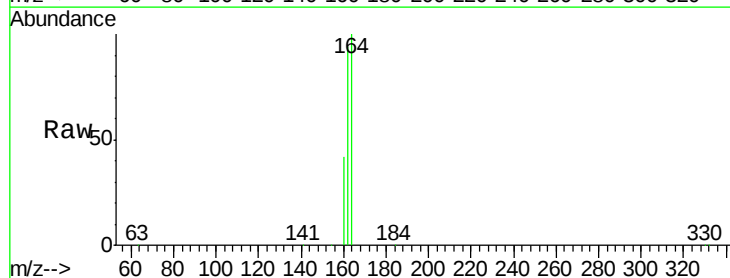
Tgt Ion: 164 Resp: 136952

Ion Ratio Lower Upper

164 100

162 94.2 77.6 116.4

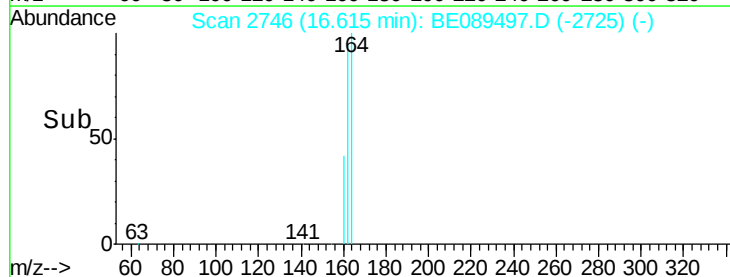
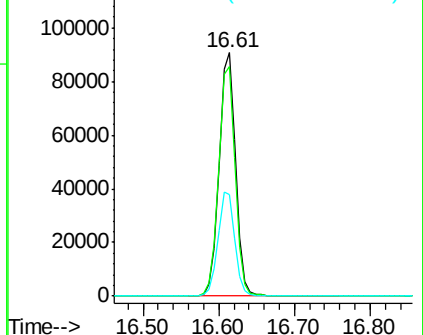
160 41.6 35.6 53.4

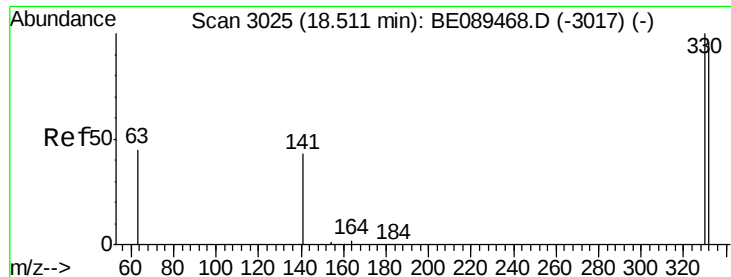


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

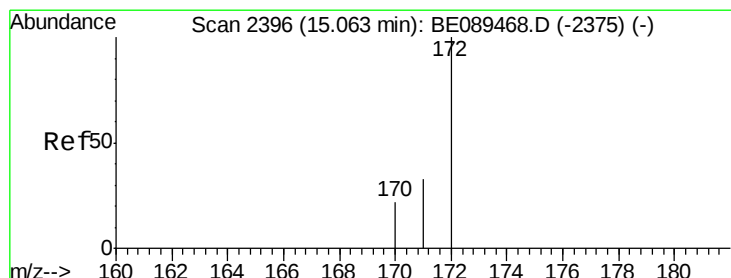
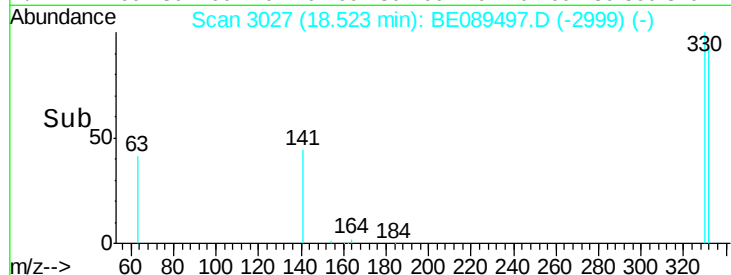
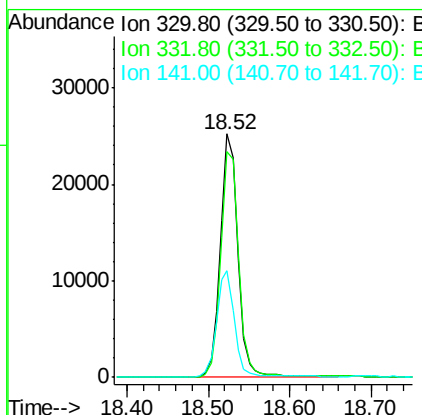
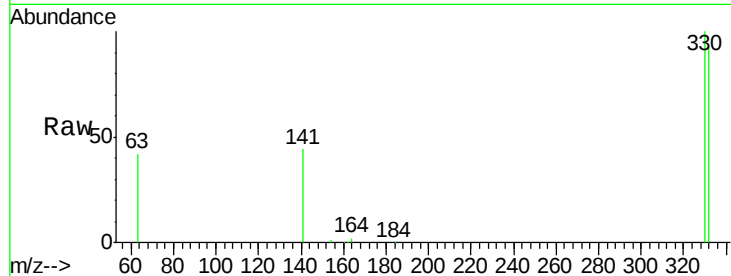




#14
 2,4,6-Tribromophenol
 Concen: 6.49 ng
 RT: 18.52 min Scan# 3027
 Delta R.T. 0.01 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

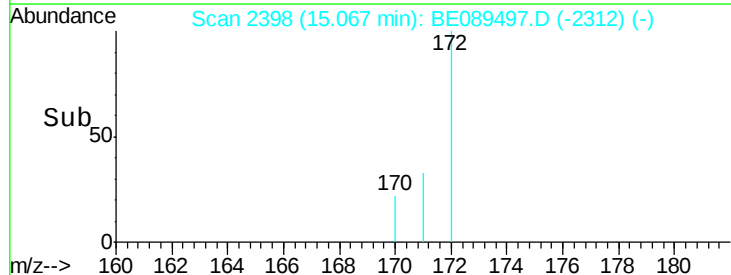
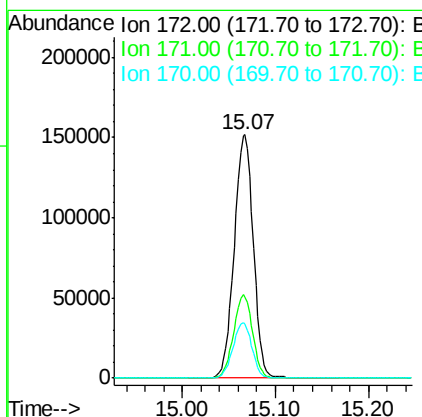
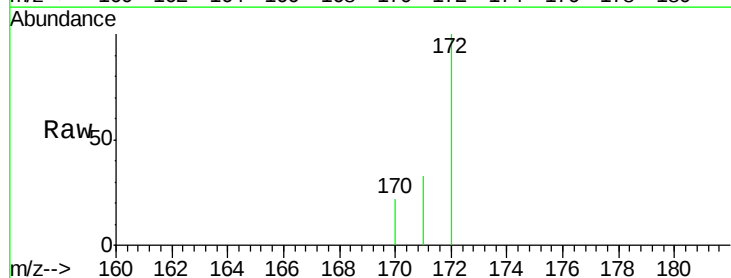
Instrument :
 BNA_E
 ClientSampleId :
 FB

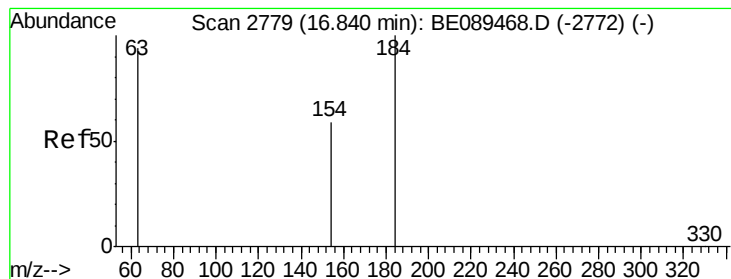
Tgt Ion: 330 Resp: 38175
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.0 117.0
 141 44.5 33.8 50.6



#15
 2-Fluorobiphenyl
 Concen: 5.96 ng
 RT: 15.07 min Scan# 2398
 Delta R.T. 0.00 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

Tgt Ion: 172 Resp: 215084
 Ion Ratio Lower Upper
 172 100
 171 33.3 26.8 40.2
 170 22.1 17.7 26.5

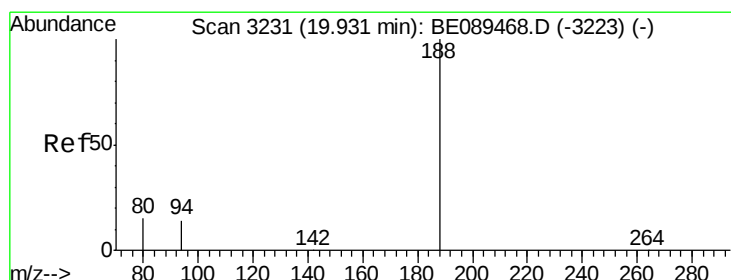
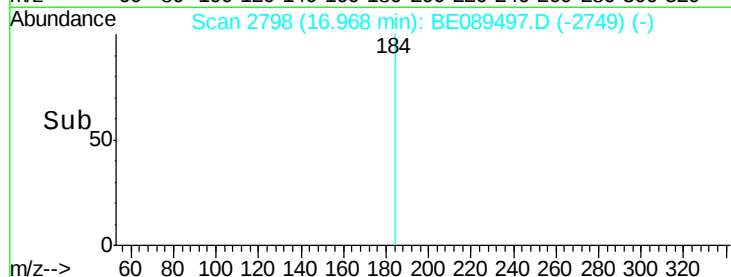
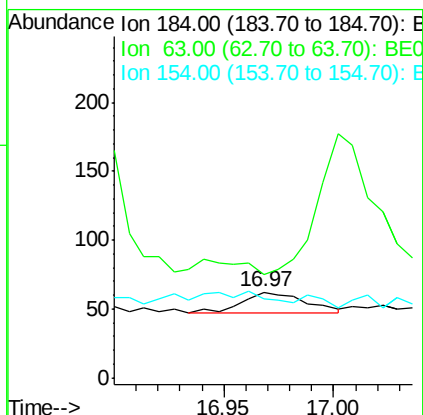
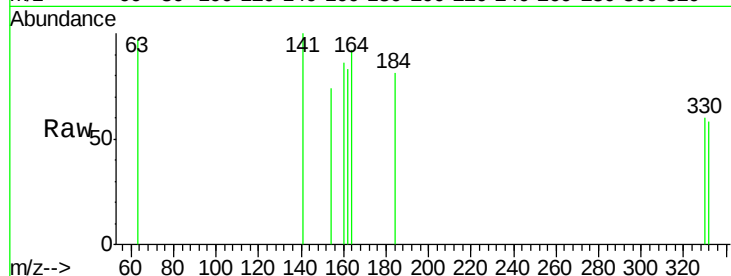




#16
 2,4-Dinitrophenol
 Concen: 0.43 ng
 RT: 16.97 min Scan# 2798
 Delta R.T. 0.13 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

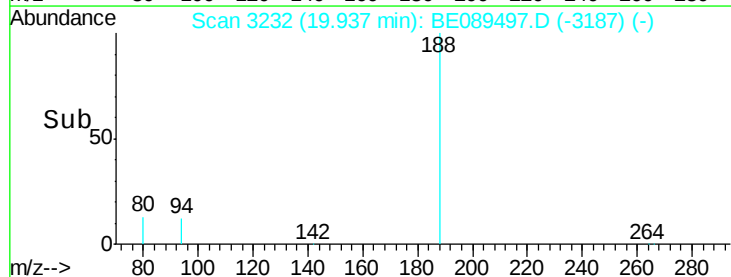
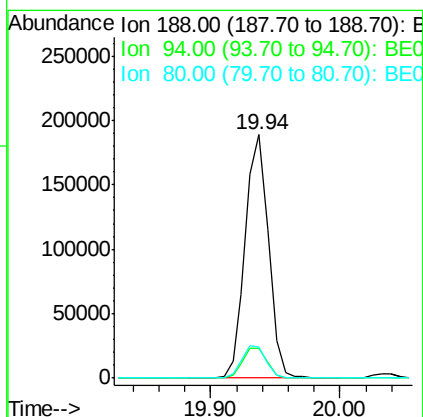
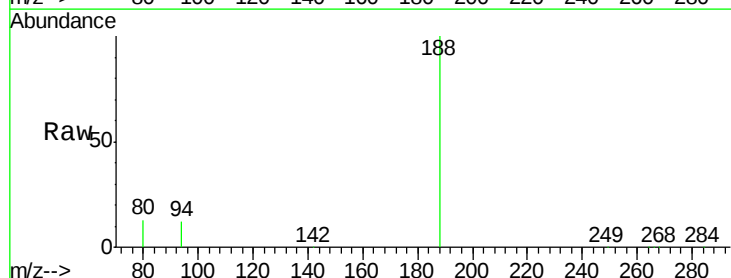
Instrument :
 BNA_E
 ClientSampled :
 FB

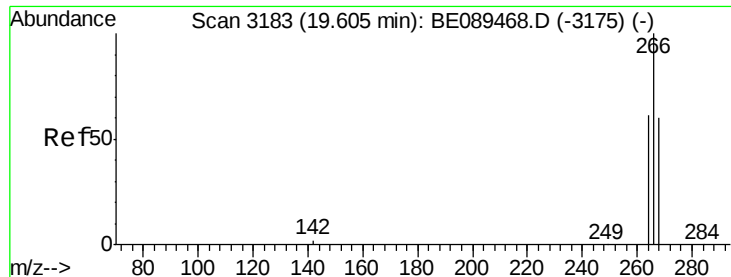
Tgt Ion:184 Resp: 31
 Ion Ratio Lower Upper
 184 100
 63 121.0 92.1 138.1
 154 91.9 61.4 92.2



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.94 min Scan# 3232
 Delta R.T. 0.01 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

Tgt Ion:188 Resp: 236574
 Ion Ratio Lower Upper
 188 100
 94 12.4 11.1 16.7
 80 13.0 11.8 17.6





#19

Pentachlorophenol

Concen: 0.35 ng

RT: 19.62 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

Instrument :

BNA_E

ClientSampleId :

FB

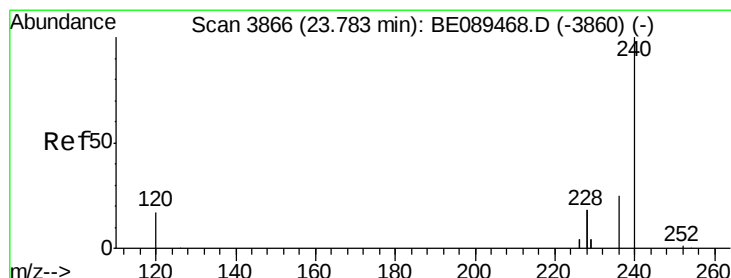
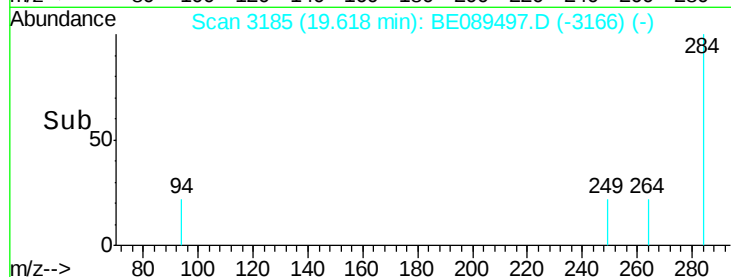
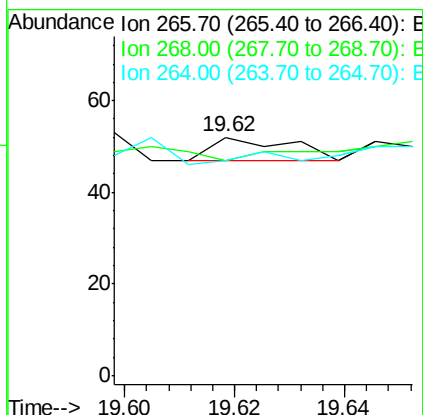
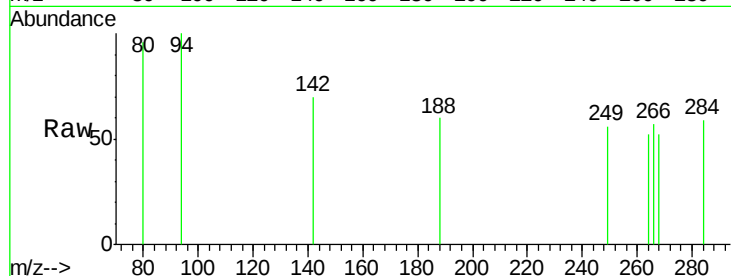
Tgt Ion: 266 Resp: 5

Ion Ratio Lower Upper

266 100

268 90.4 50.0 75.0#

264 90.4 50.6 75.8#



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.79 min Scan# 3866

Delta R.T. 0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

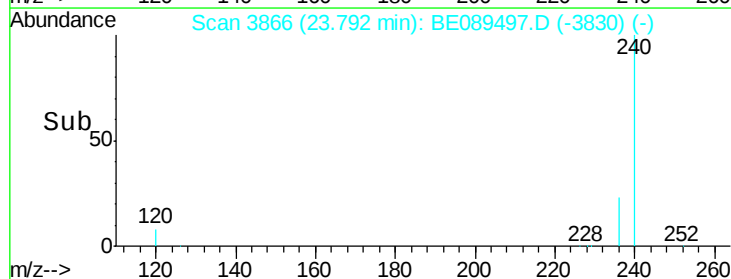
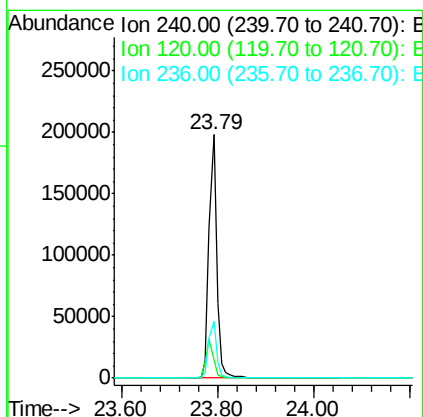
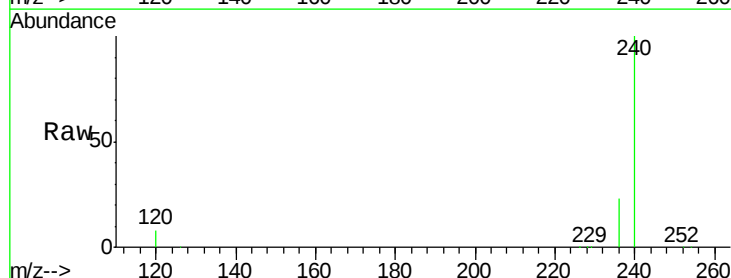
Tgt Ion: 240 Resp: 218971

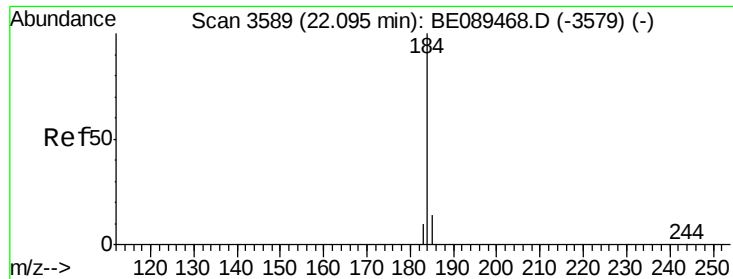
Ion Ratio Lower Upper

240 100

120 7.6 13.8 20.6#

236 23.2 20.2 30.2





#21

Benzidine

Concen: 0.09 ng

RT: 22.12 min Scan# 3594

Delta R.T. 0.02 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

Instrument :

BNA_E

ClientSampleId :

FB

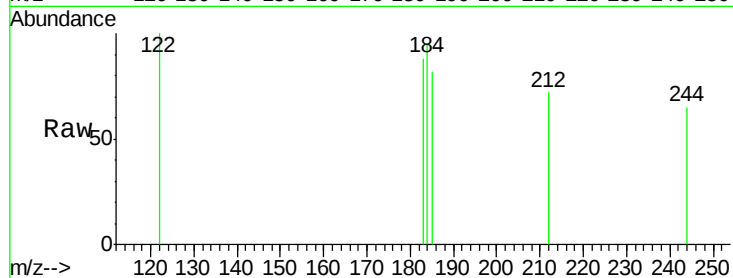
Tgt Ion:184 Resp: 14

Ion Ratio Lower Upper

184 100

185 85.9 12.0 18.0#

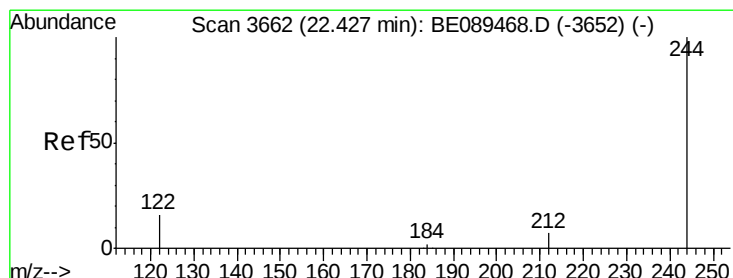
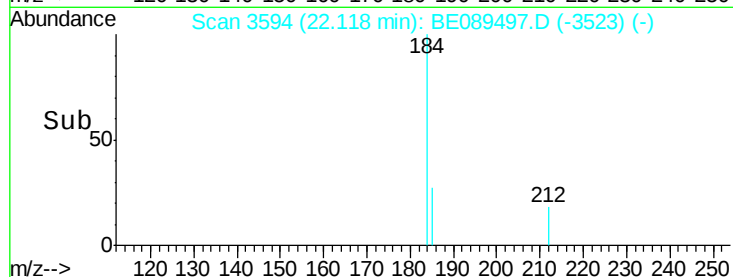
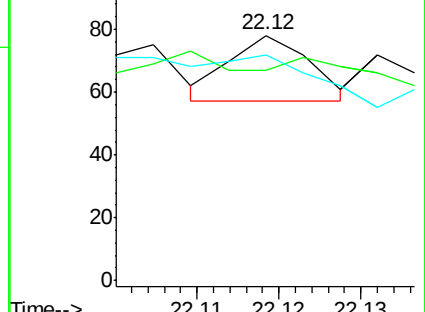
183 92.3 9.0 13.4#



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: 7.47 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

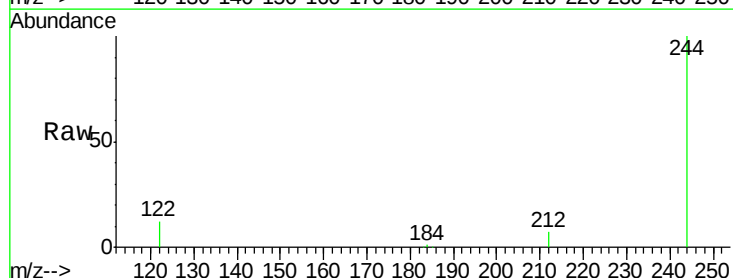
Tgt Ion:244 Resp: 231875

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

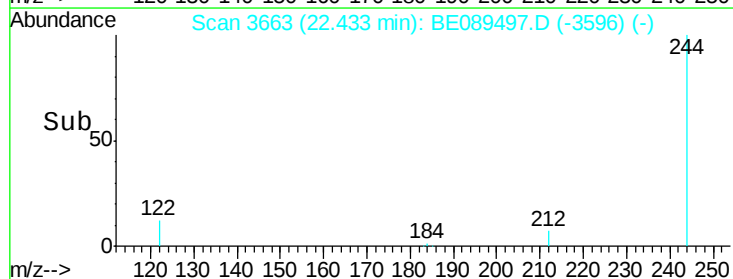
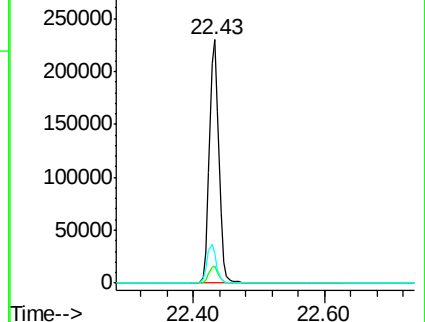
122 12.4 12.6 19.0#

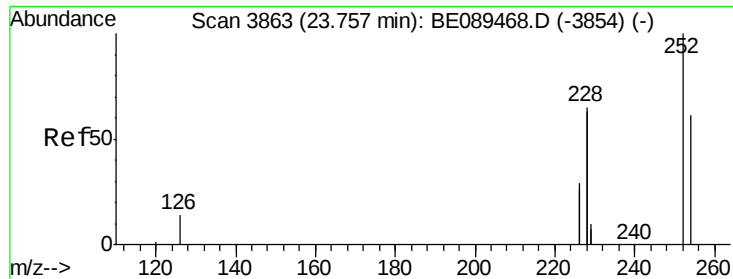


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

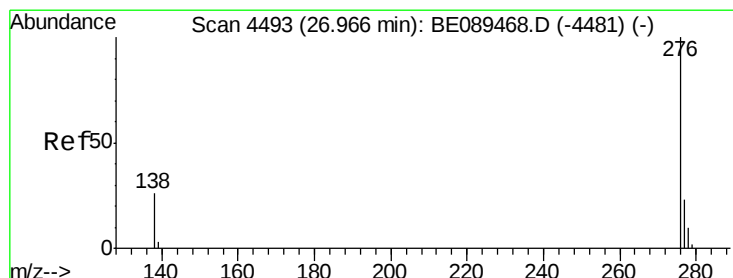
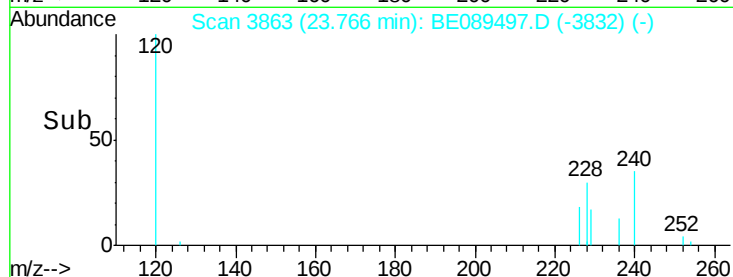
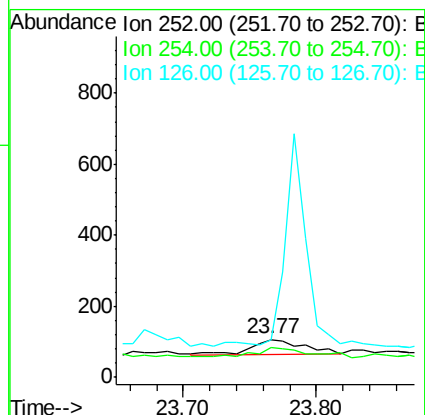
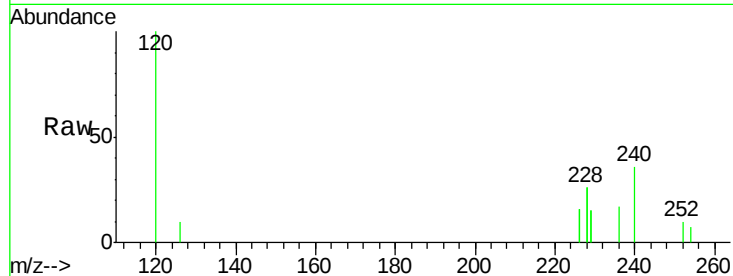




#24
 3,3'-Dichlorobenzidine
 Concen: 0.12 ng
 RT: 23.77 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

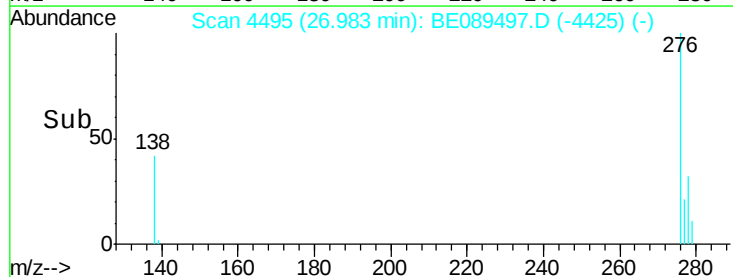
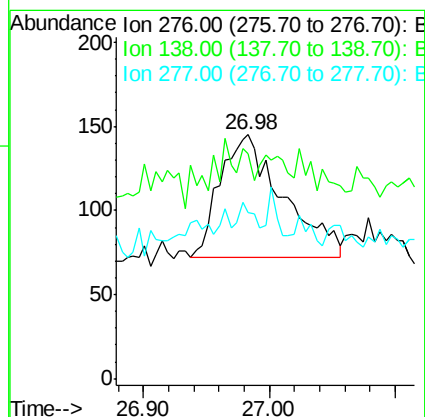
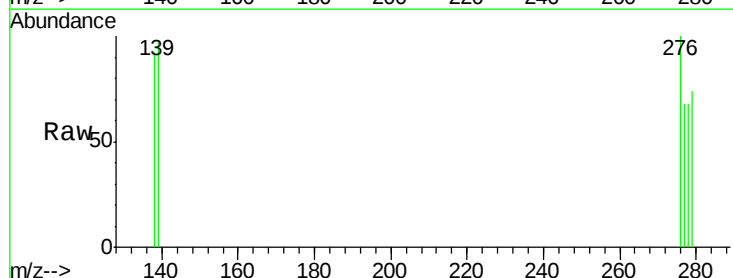
Instrument :
 BNA_E
 ClientSampled :
 FB

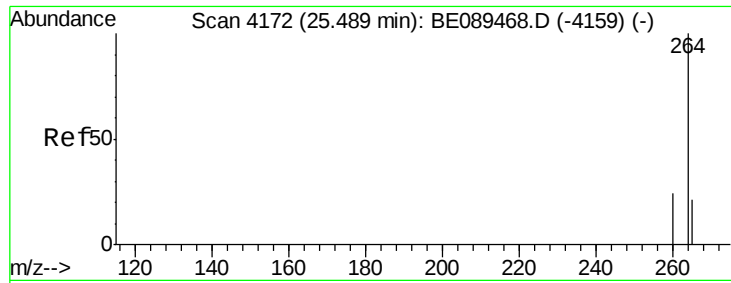
Tgt Ion: 252 Resp: 117
 Ion Ratio Lower Upper
 252 100
 254 76.6 48.6 73.0#
 126 100.0 12.4 18.6#



#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.14 ng
 RT: 26.98 min Scan# 4495
 Delta R.T. 0.02 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

Tgt Ion: 276 Resp: 255
 Ion Ratio Lower Upper
 276 100
 138 7.5 24.2 36.4#
 277 11.8 19.9 29.9#

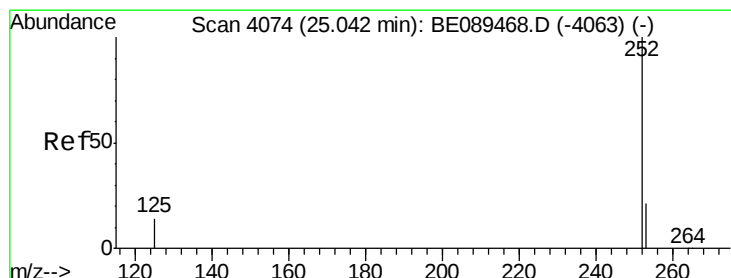
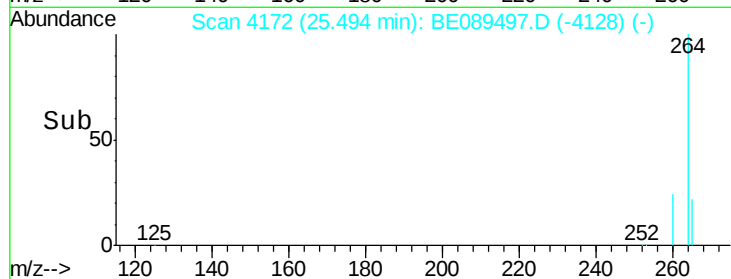
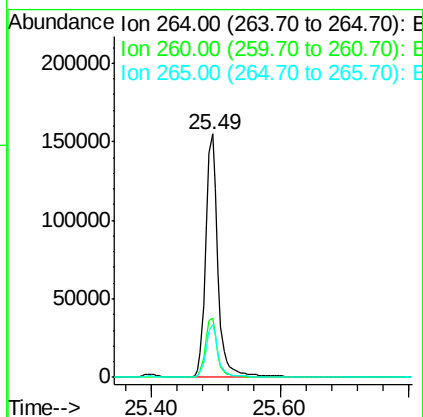
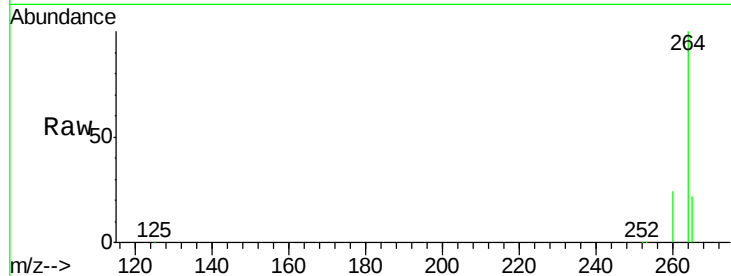




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. 0.01 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

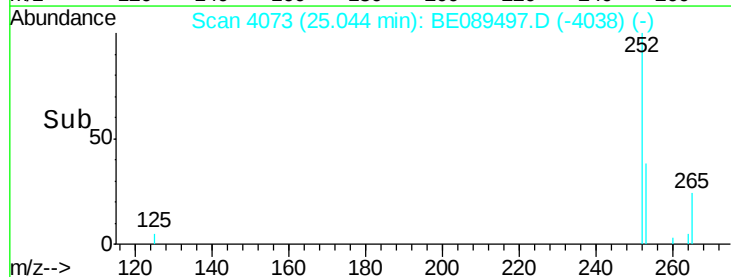
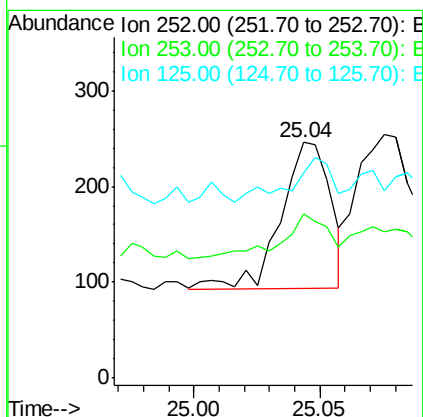
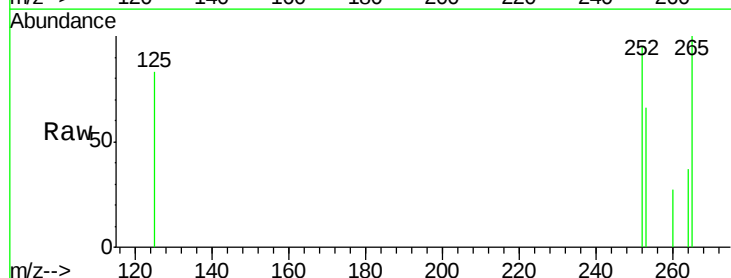
Instrument :
 BNA_E
 ClientSampleId :
 FB

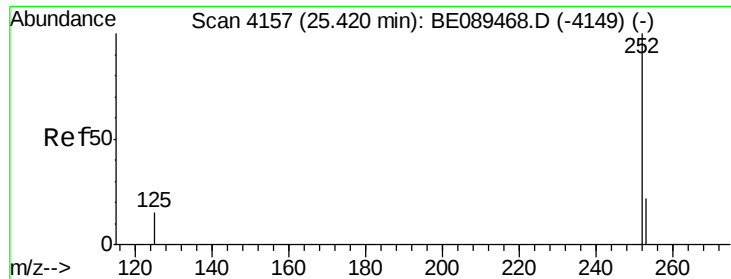
Tgt Ion: 264 Resp: 203864
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 21.7 17.0 25.6



#28
 Benzo(b)fluoranthene
 Concen: 0.18 ng
 RT: 25.04 min Scan# 4073
 Delta R.T. 0.00 min
 Lab File: BE089497.D
 Acq: 4 Feb 2015 15:19

Tgt Ion: 252 Resp: 208
 Ion Ratio Lower Upper
 252 100
 253 69.9 17.4 26.2#
 125 87.0 11.3 16.9#





#30

Benzo(a)pyrene

Concen: 0.17 ng

RT: 25.42 min Scan# 4156

Delta R.T. 0.00 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

Instrument :

BNA_E

ClientSampled :

FB

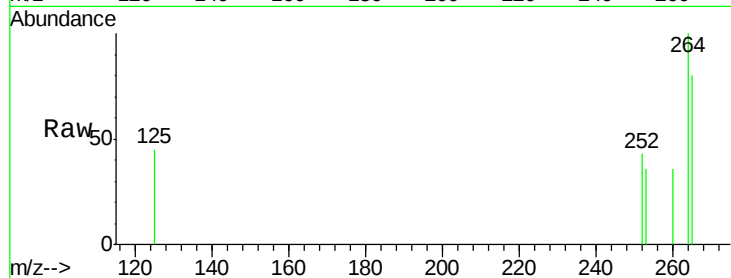
Tgt Ion: 252 Resp: 183

Ion Ratio Lower Upper

252 100

253 84.3 18.2 27.2#

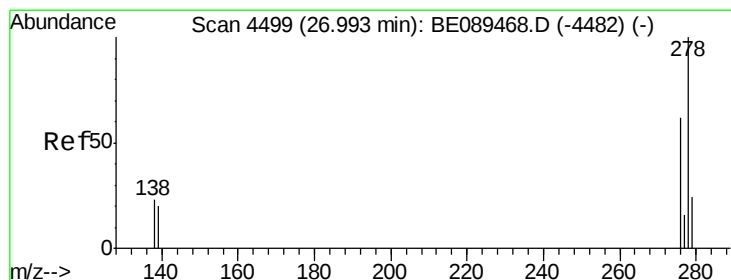
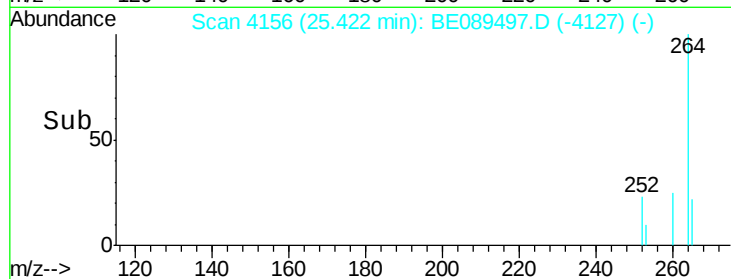
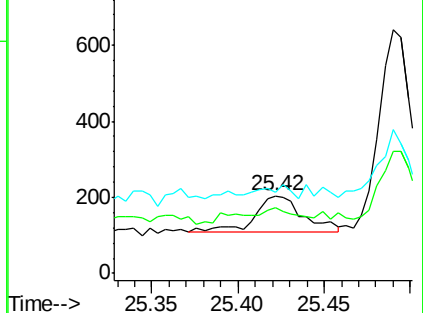
125 104.9 12.2 18.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#31

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.01 min

Lab File: BE089497.D

Acq: 4 Feb 2015 15:19

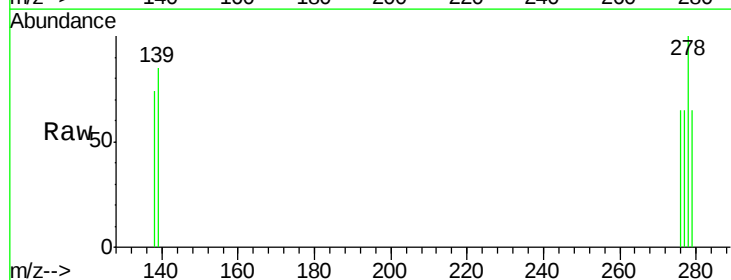
Tgt Ion: 278 Resp: 226

Ion Ratio Lower Upper

278 100

139 85.1 16.8 25.2#

279 64.6 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

