

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090818.D
 Acq On : 15 Sep 2015 2:56
 Operator : UM/IZ
 Sample : G3658-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-M

Quant Time: Sep 15 03:52:32 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	37743	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	154114	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	77003	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	193387	5.00	ng	0.00
25) Chrysene-d12	21.07	240	242983	5.00	ng	0.00
32) Perylene-d12	23.35	264	229553	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	24274	3.31	ng	0.00
5) Phenol-d6	6.75	99	18385	1.75	ng	0.00
7) Nitrobenzene-d5	8.71	82	42287	4.15	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	16927	7.50	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	92609	4.34	ng	0.00
27) Terphenyl-d14	19.53	244	154257	5.74	ng	-0.01

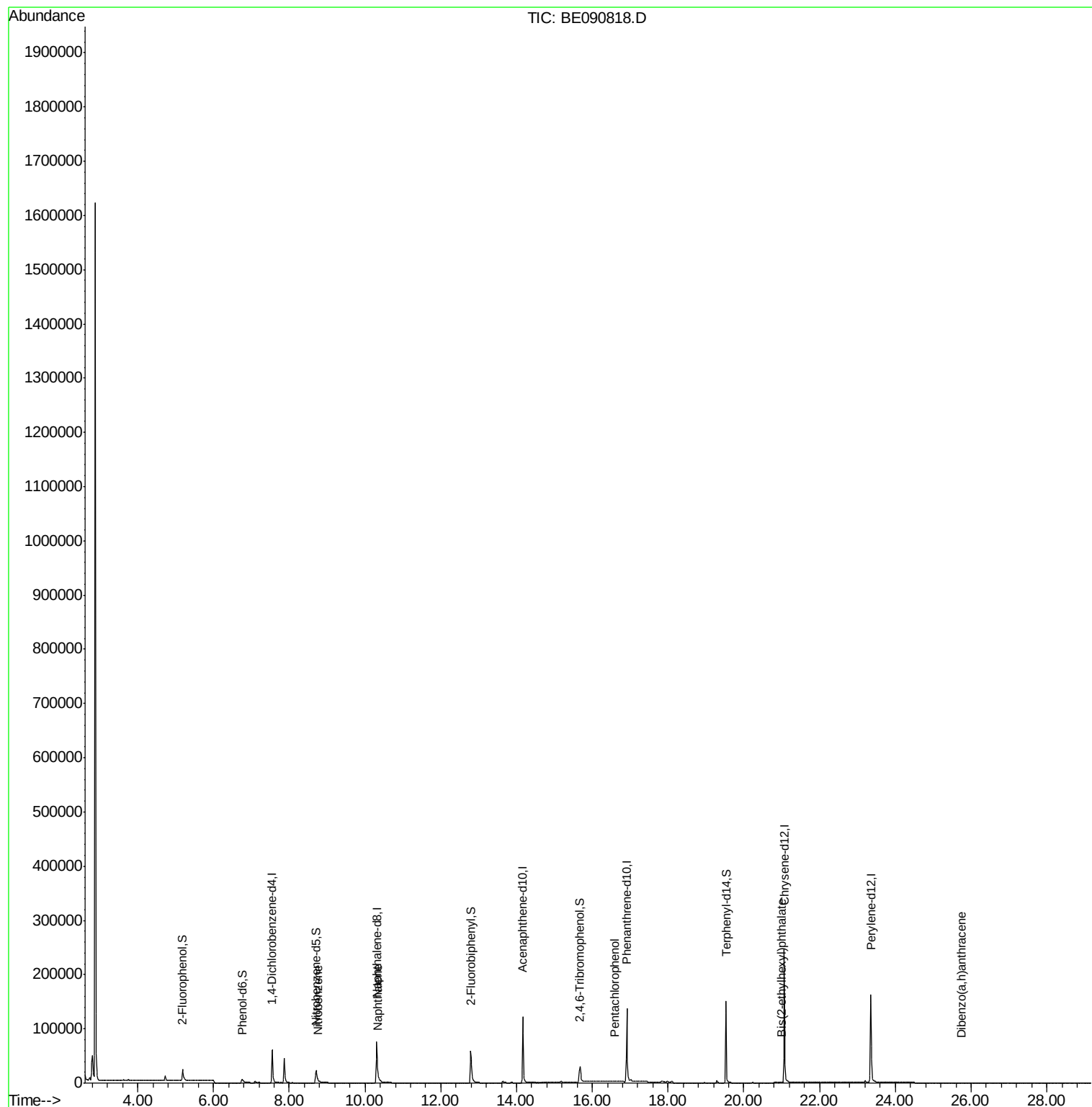
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	58	Below Cal	#	5
3) n-Nitrosodimethylamine	3.43	42	20	Below Cal	#	6
8) Nitrobenzene	8.76	77	7	0.11 ng	#	1
9) Naphthalene	10.35	128	1421	0.04 ng	#	79
20) Hexachlorobenzene	16.23	284	38	Below Cal	#	37
21) Pentachlorophenol	16.60	266	26	0.47 ng	#	59
29) Chrysene	21.07	228	956	Below Cal	#	81
30) Bis(2-ethylhexyl)phthalate	21.00	149	1320	0.16 ng		100
36) Dibenzo(a,h)anthracene	25.74	278	19	0.14 ng	#	1

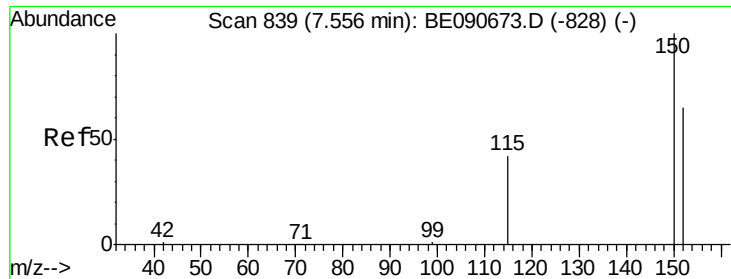
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M

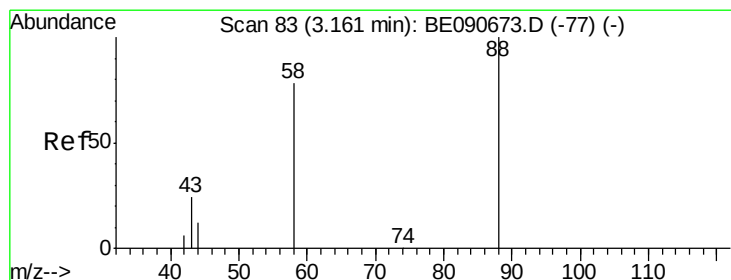
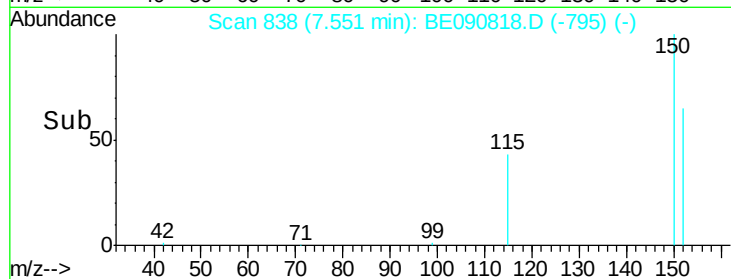
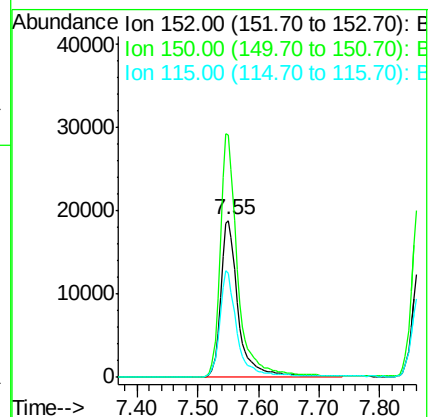
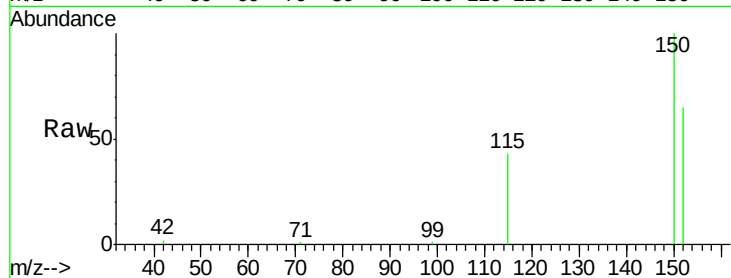
Tot Ion:152 Resp: 37743

Ion Ratio Lower Upper

152 100

150 154.8 122.2 183.4

115 66.7 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 83

Delta R.T. 0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

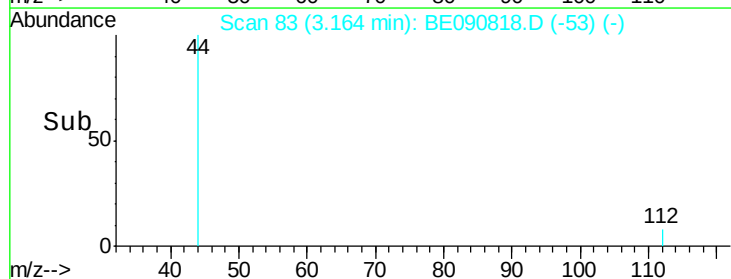
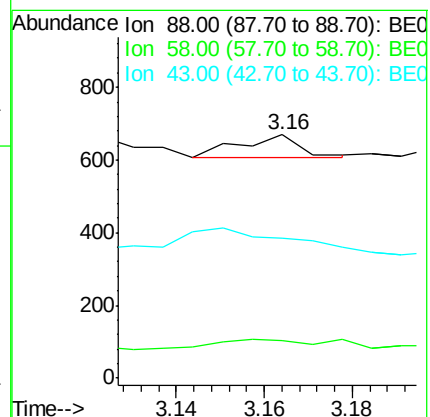
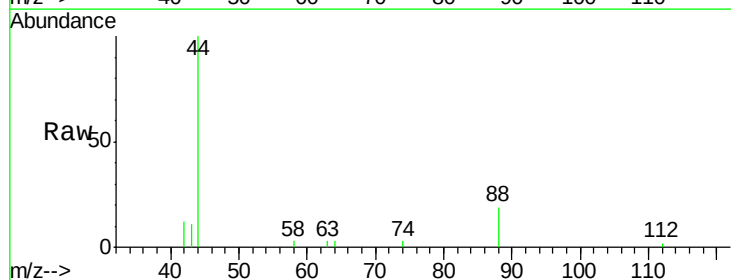
Tgt Ion: 88 Resp: 58

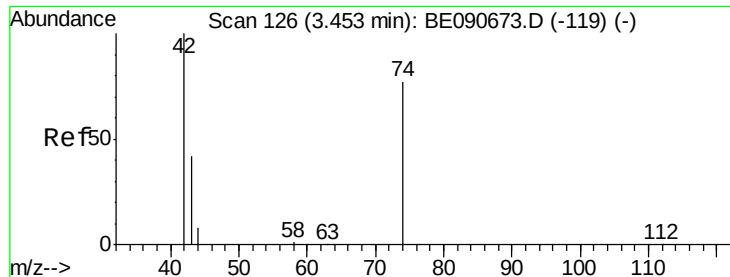
Ion Ratio Lower Upper

88 100

58 96.6 68.4 102.6

43 208.6 26.9 40.3#



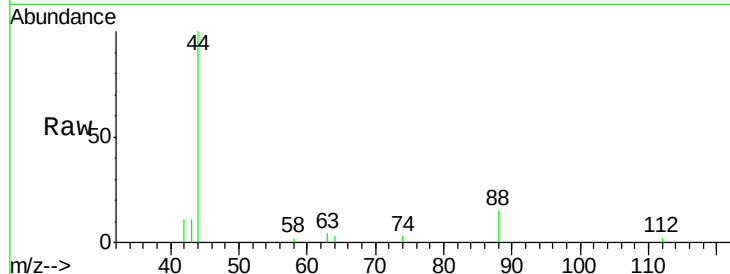


#3

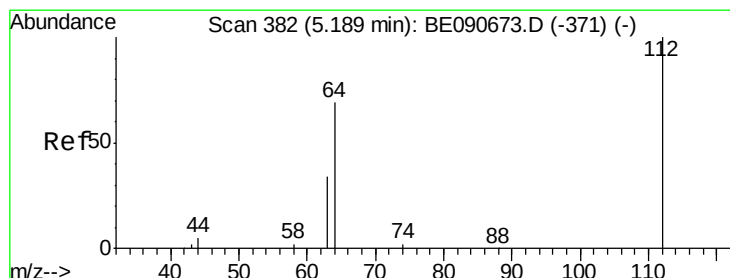
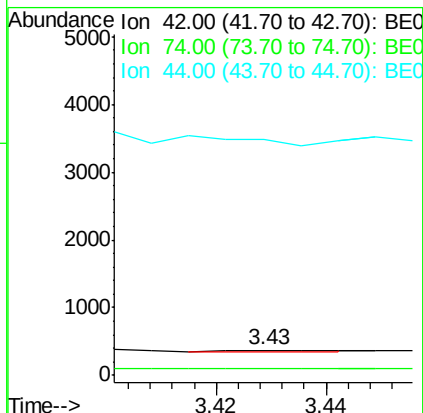
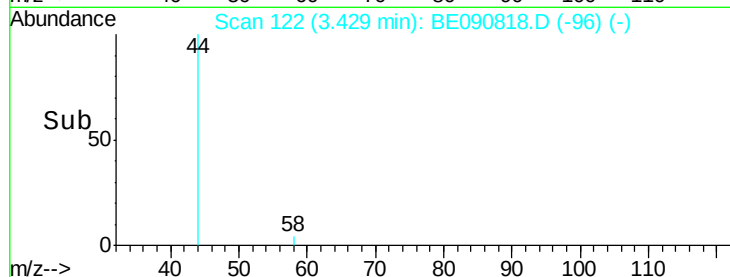
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.43 min Scan# 122
 Delta R.T. -0.02 min
 Lab File: BE090818.D
 Acq: 15 Sep 2015 2:56

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-M

Tot Ion: 42 Resp: 20
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 0.0 10.0 15.0#



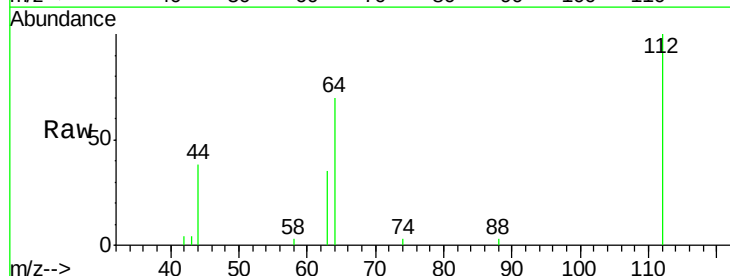
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



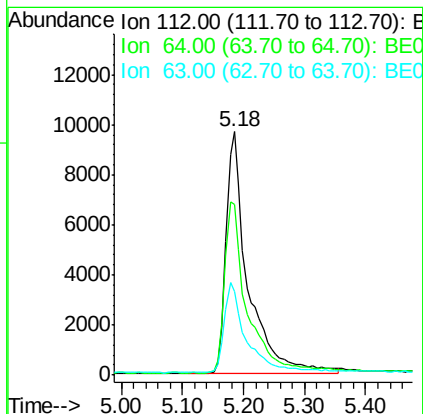
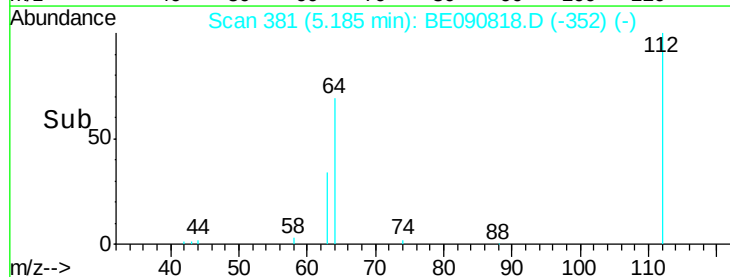
#4

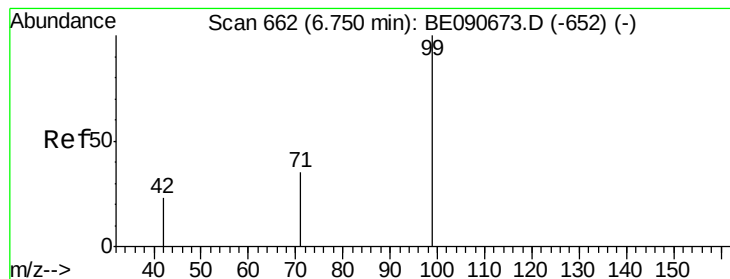
2-Fluorophenol
 Concen: 3.31 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090818.D
 Acq: 15 Sep 2015 2:56

Tgt Ion: 112 Resp: 24274
 Ion Ratio Lower Upper
 112 100
 64 72.5 57.3 85.9
 63 37.5 29.2 43.8



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





#5

Phenol-d6

Concen: 1.75 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M

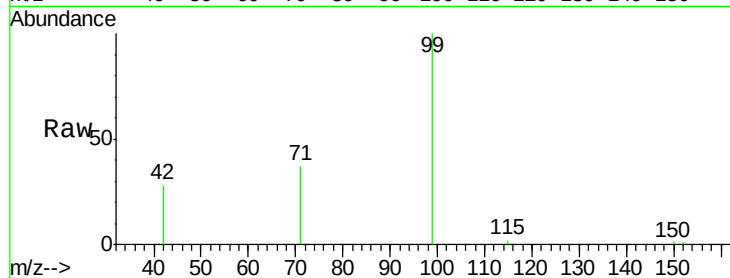
Tot Ion: 99 Resp: 18385

Ion Ratio Lower Upper

99 100

42 21.0 16.8 25.2

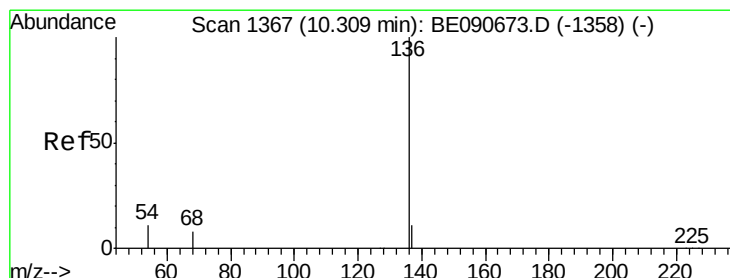
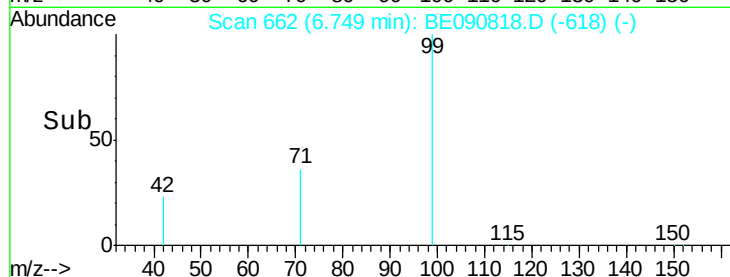
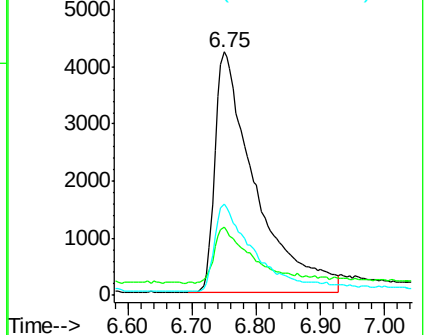
71 34.2 28.3 42.5



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Tgt Ion: 136 Resp: 154114

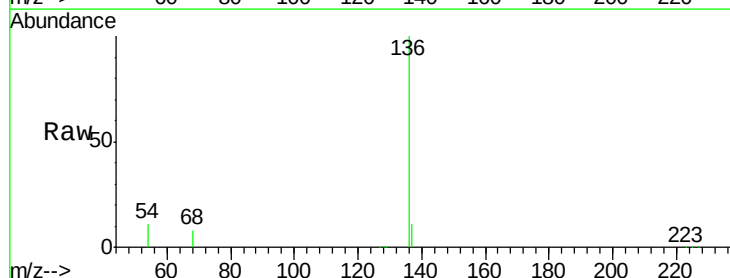
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.3 9.0 13.6

68 8.3 6.3 9.5

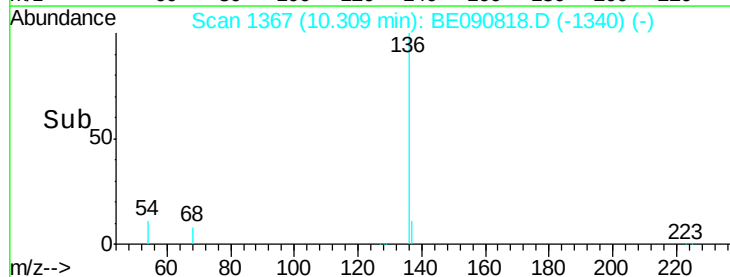
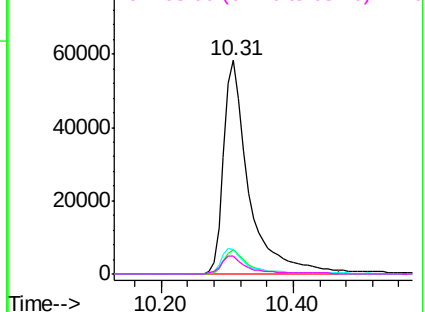


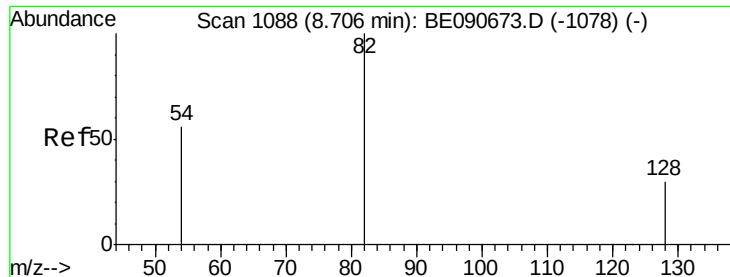
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.15 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

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091315-D534-F-D-M

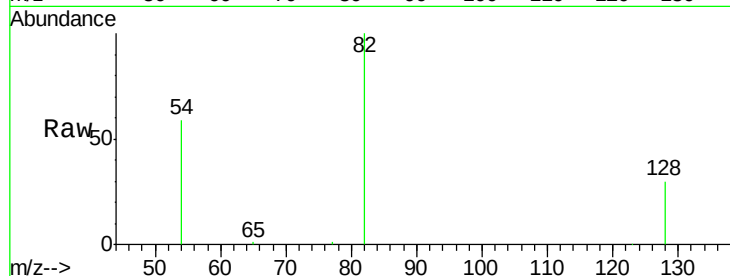
Tot Ion: 82 Resp: 42287

Ion Ratio Lower Upper

82 100

128 30.0 25.0 37.4

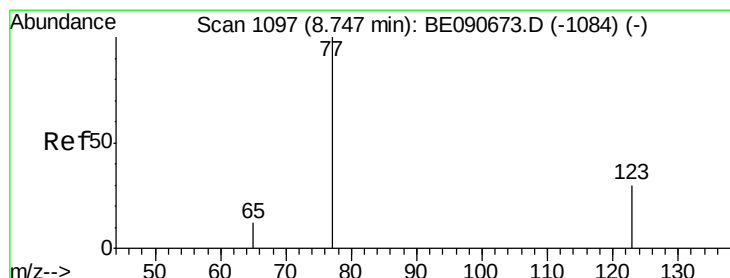
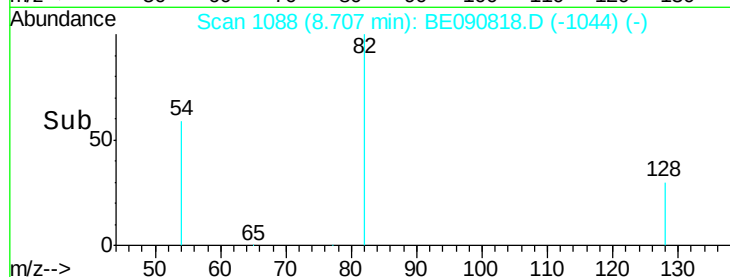
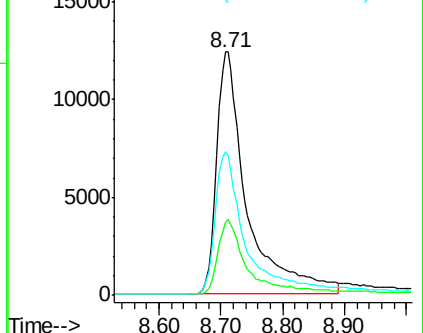
54 58.9 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1100

Delta R.T. 0.01 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

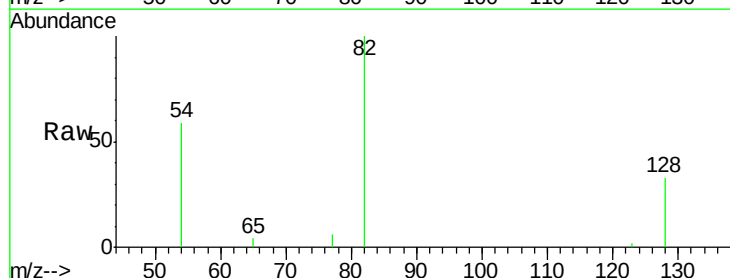
Tgt Ion: 77 Resp: 7

Ion Ratio Lower Upper

77 100

123 100.0 25.1 37.7#

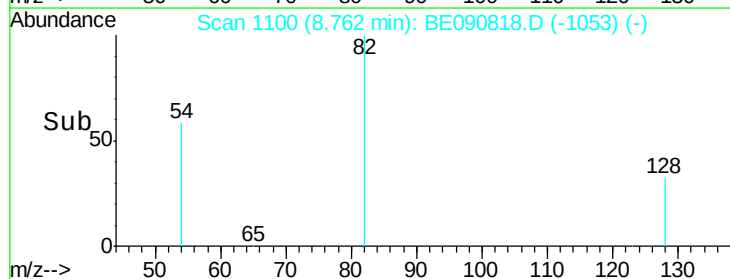
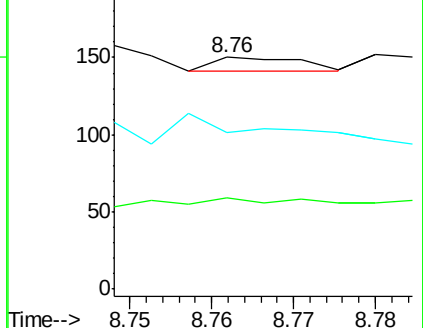
65 228.6 9.9 14.9#

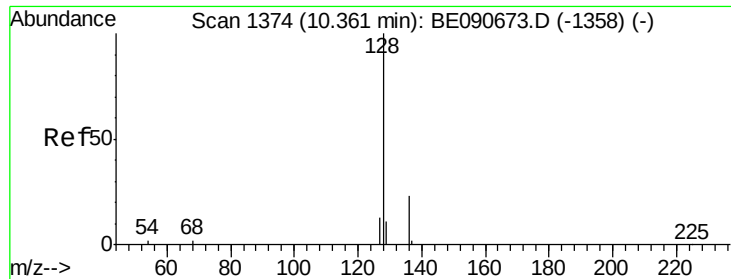


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.04 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M

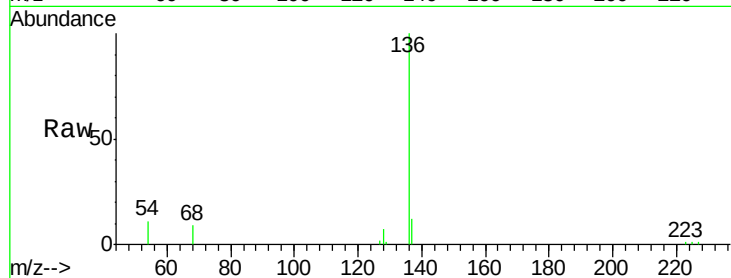
Tot Ion:128 Resp: 1421

Ion Ratio Lower Upper

128 100

129 19.3 9.0 13.6#

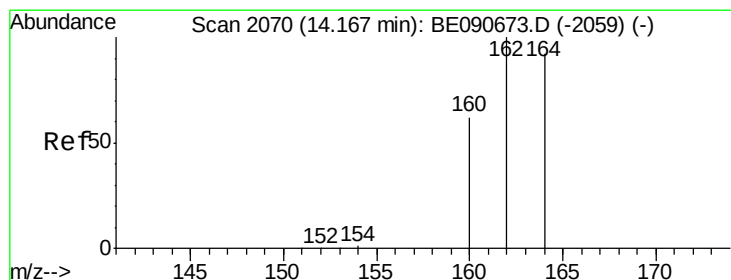
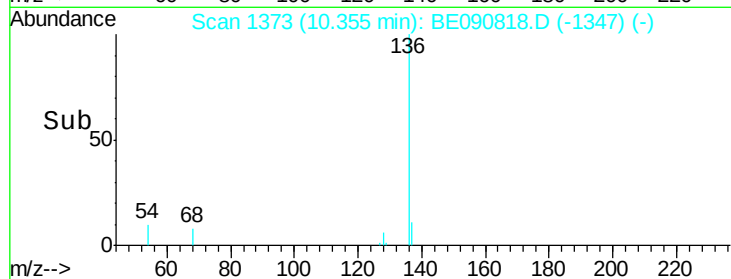
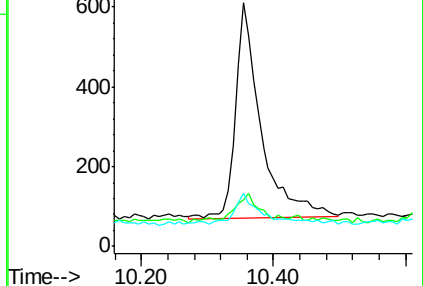
127 21.8 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

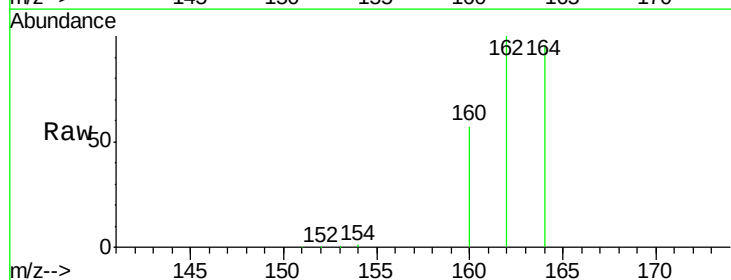
Tgt Ion:164 Resp: 77003

Ion Ratio Lower Upper

164 100

162 104.4 86.8 130.2

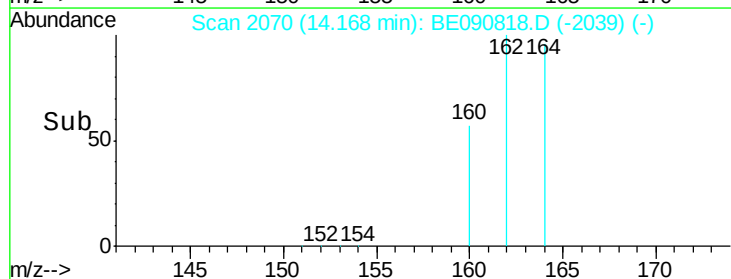
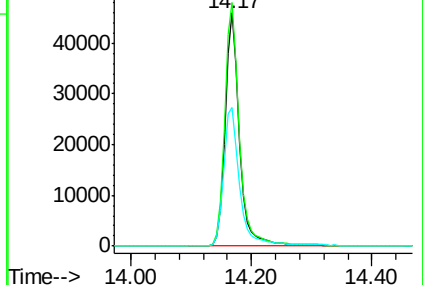
160 59.3 53.9 80.9

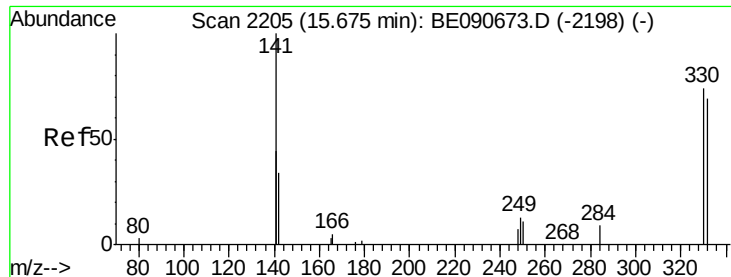


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

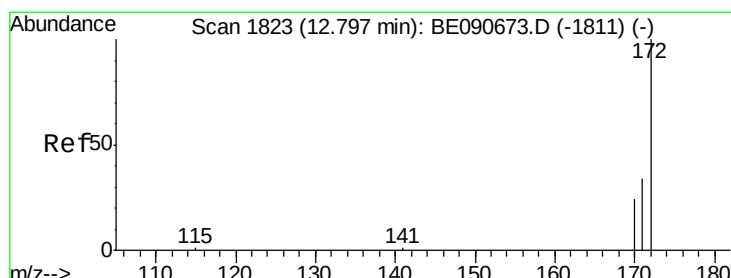
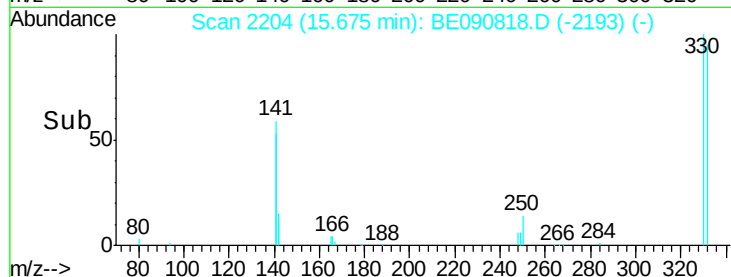
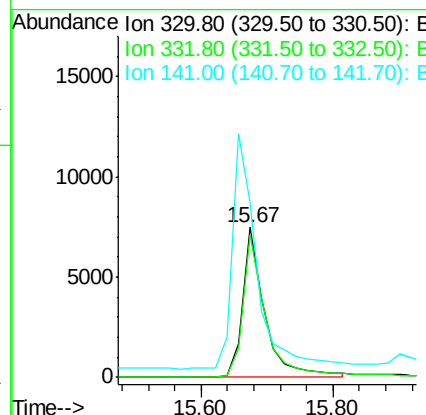
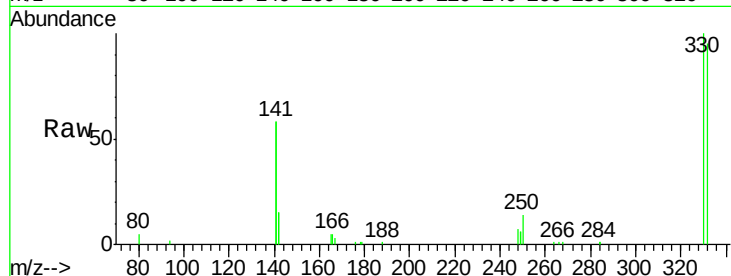




#13
 2,4,6-Tribromophenol
 Concen: 7.50 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090818.D
 Acq: 15 Sep 2015 2:56

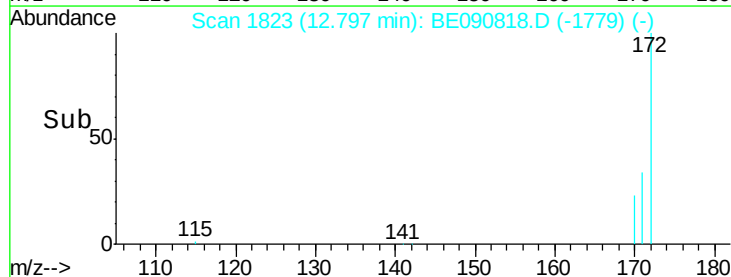
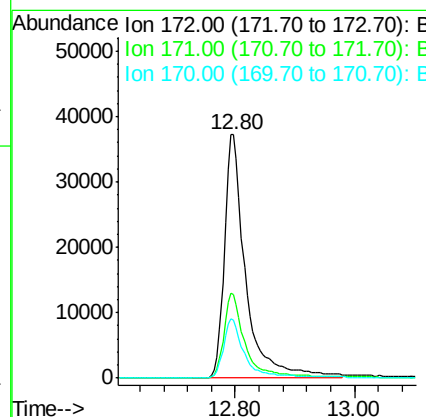
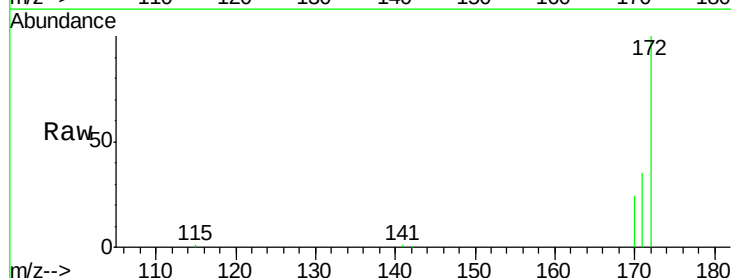
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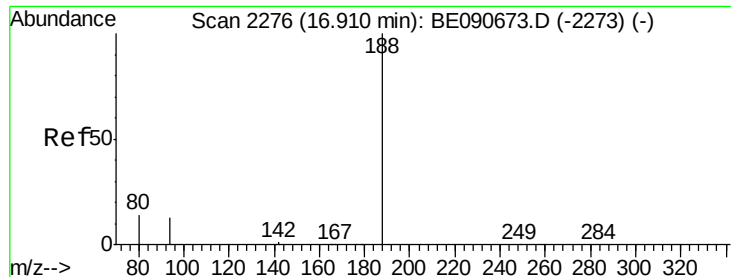
Tot Ion:330 Resp: 16927
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.9 112.3
 141 178.4 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 4.34 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090818.D
 Acq: 15 Sep 2015 2:56

Tgt Ion:172 Resp: 92609
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.8 41.8
 170 23.6 19.8 29.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M

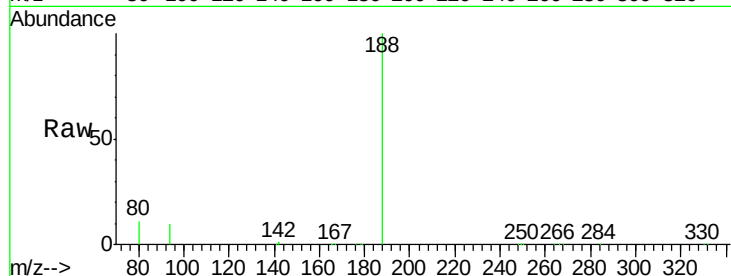
Tot Ion:188 Resp: 193387

Ion Ratio Lower Upper

188 100

94 10.4 10.3 15.5

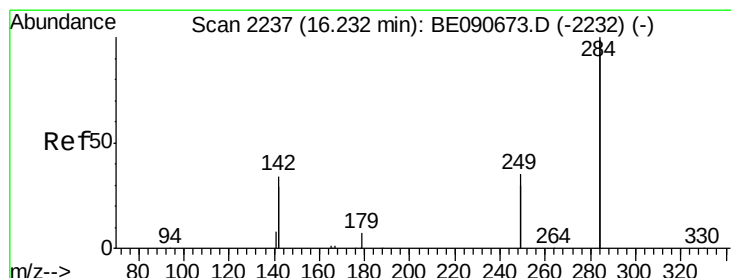
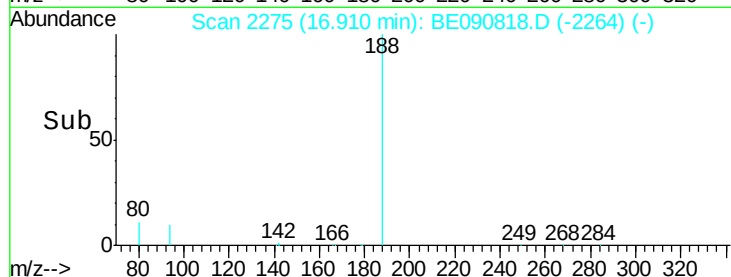
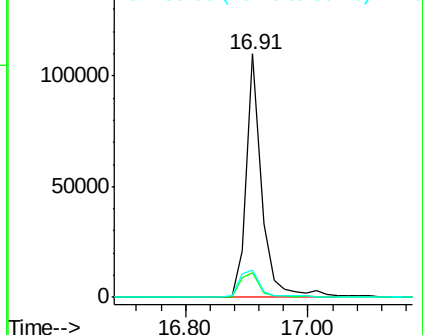
80 11.1 11.0 16.6



Abundance Ion 188.00 (187.70 to 188.70): E

150000 Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

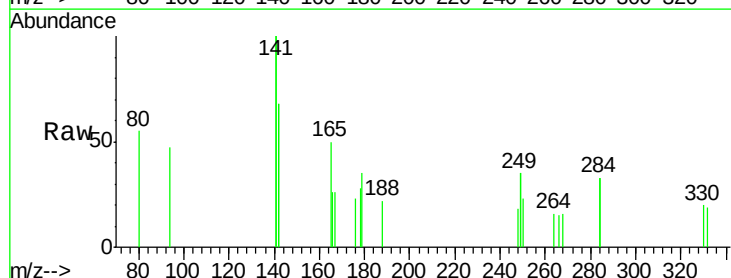
Tgt Ion:284 Resp: 38

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

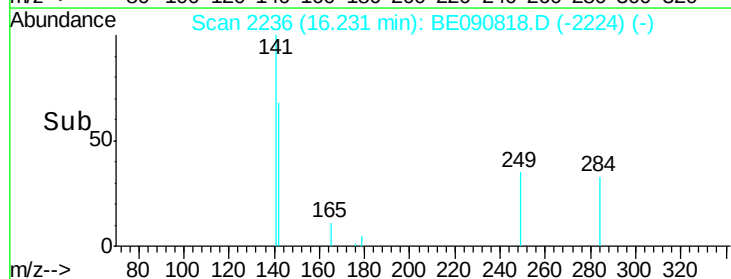
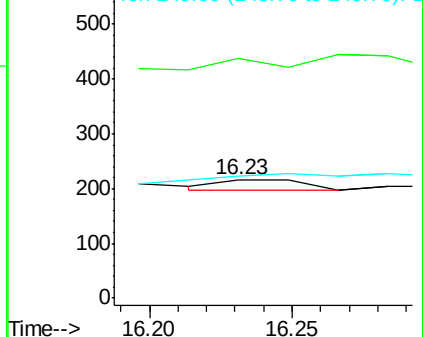
249 0.0 25.5 38.3#

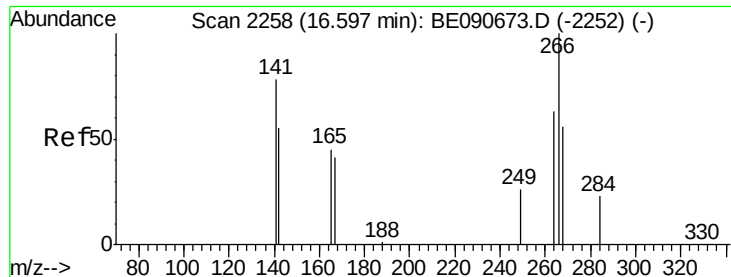


Abundance Ion 283.80 (283.50 to 284.50): E

600 Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M

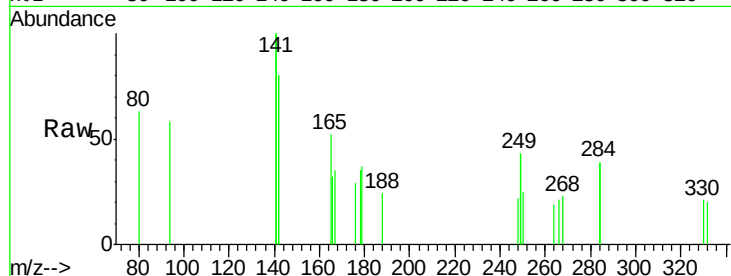
Tot Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

268 107.0 49.6 74.4#

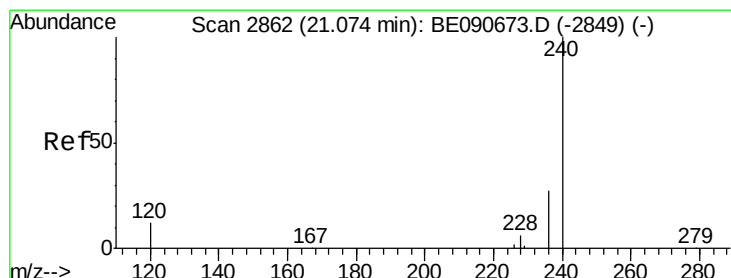
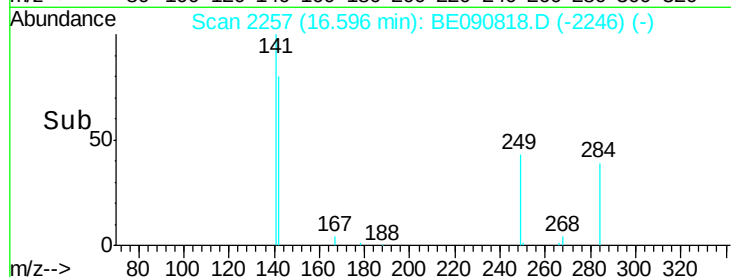
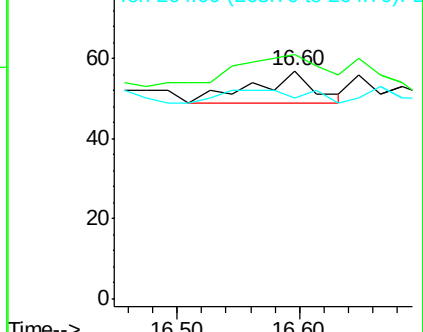
264 87.7 53.9 80.9#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

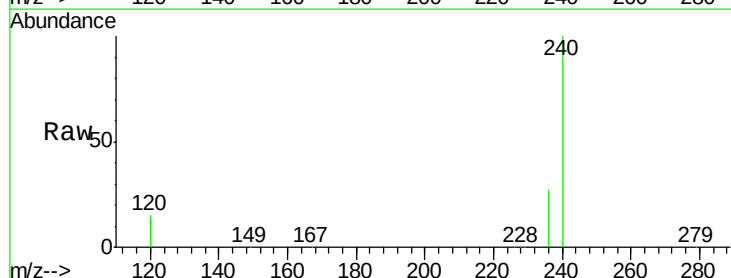
Tgt Ion:240 Resp: 242983

Ion Ratio Lower Upper

240 100

120 14.5 10.1 15.1

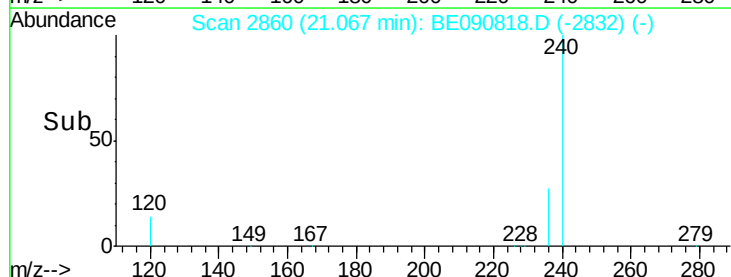
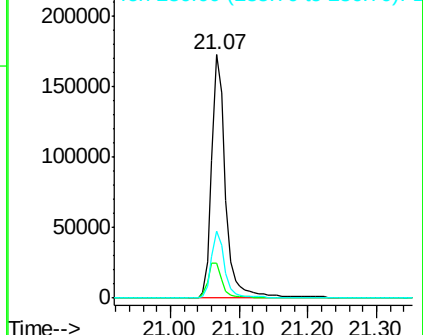
236 27.4 21.9 32.9

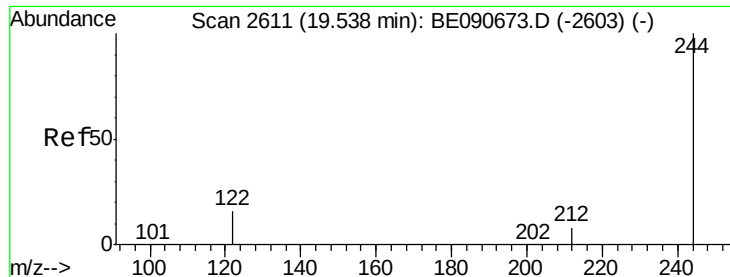


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

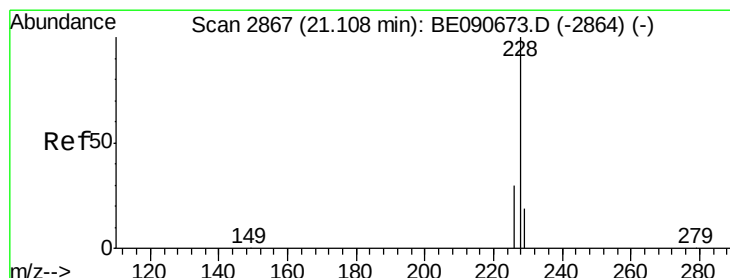
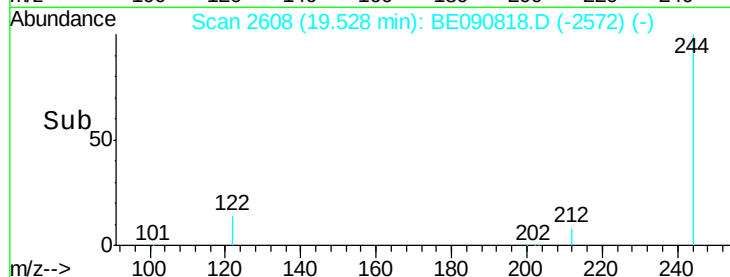
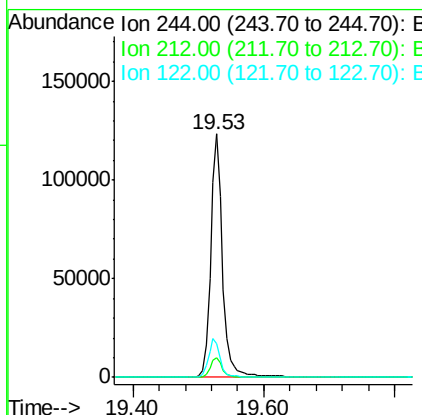
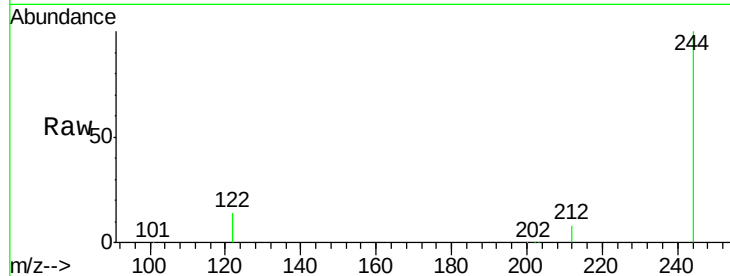




#27
 Terphenyl-d14
 Concen: 5.74 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090818.D
 Acq: 15 Sep 2015 2:56

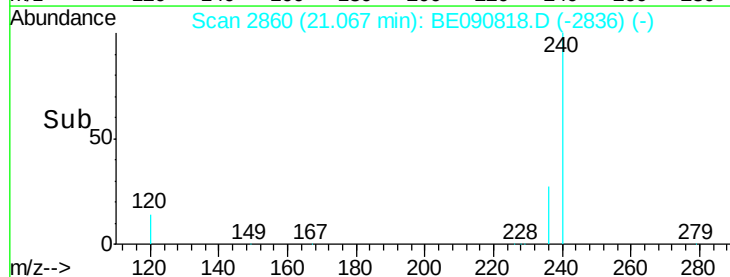
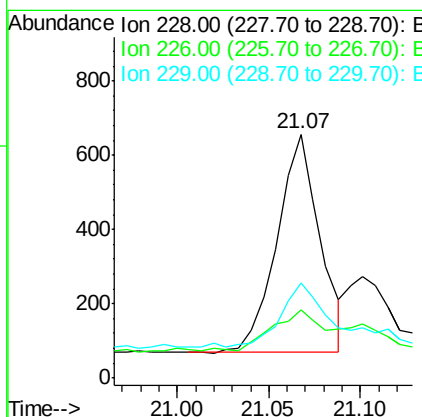
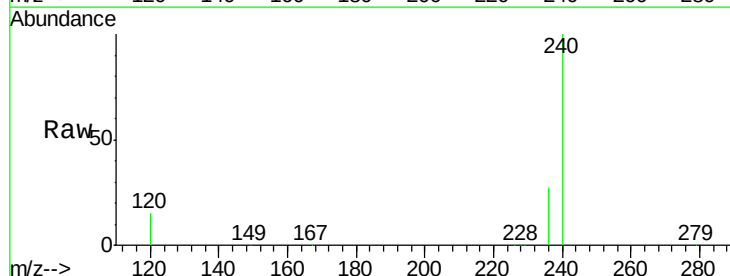
Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-M

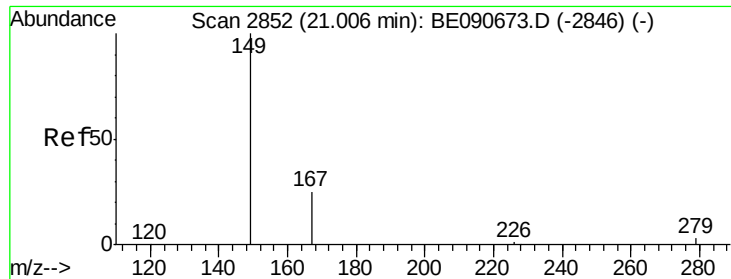
Tot Ion:244 Resp: 154257
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 13.7 12.9 19.3



#29
 Chrysene
 Concen: Below Cal
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.04 min
 Lab File: BE090818.D
 Acq: 15 Sep 2015 2:56

Tgt Ion:228 Resp: 956
 Ion Ratio Lower Upper
 228 100
 226 28.2 24.2 36.4
 229 39.0 15.3 22.9#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.16 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M

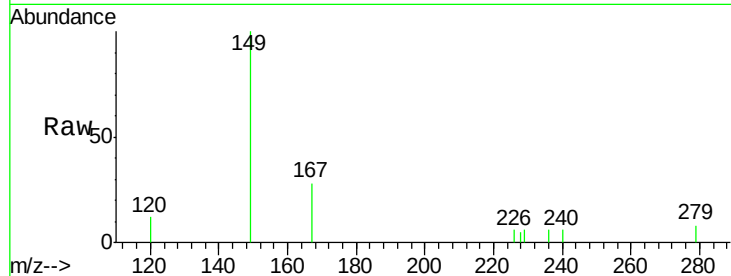
Tot Ion:149 Resp: 1320

Ion Ratio Lower Upper

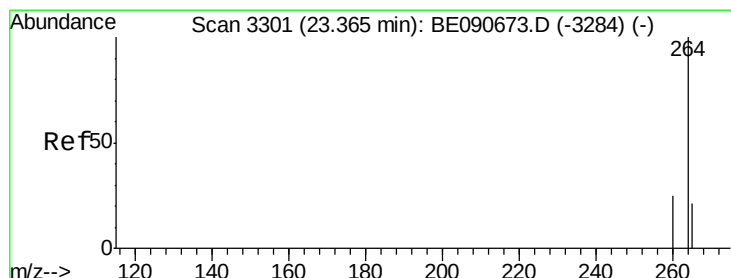
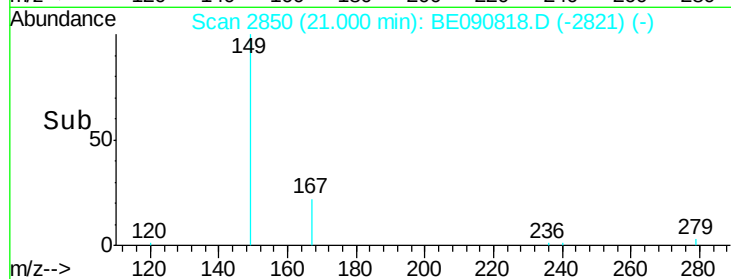
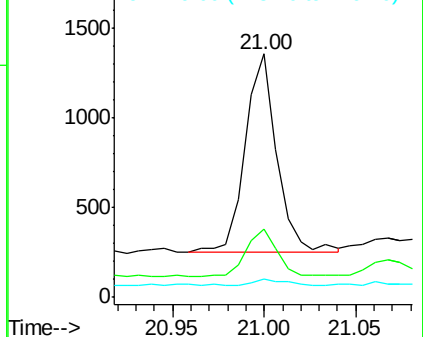
149 100

167 25.2 20.1 30.1

279 3.3 2.3 3.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3297

Delta R.T. -0.01 min

Lab File: BE090818.D

Acq: 15 Sep 2015 2:56

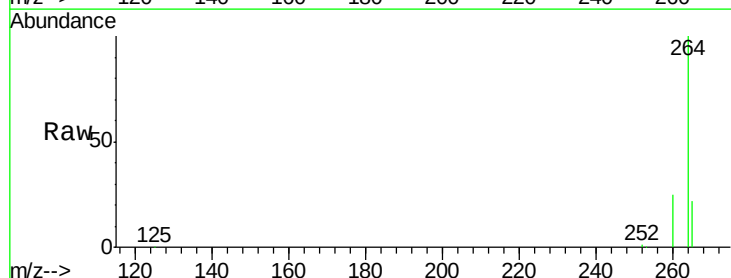
Tgt Ion:264 Resp: 229553

Ion Ratio Lower Upper

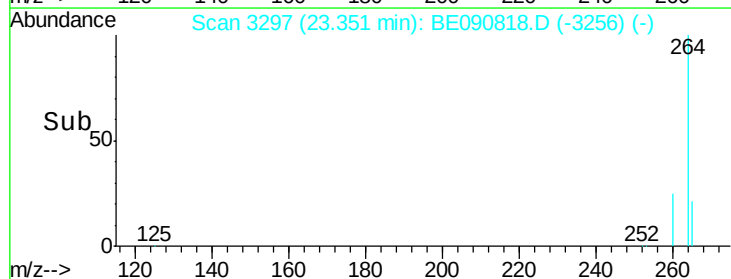
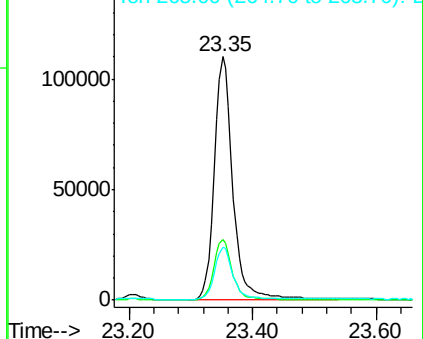
264 100

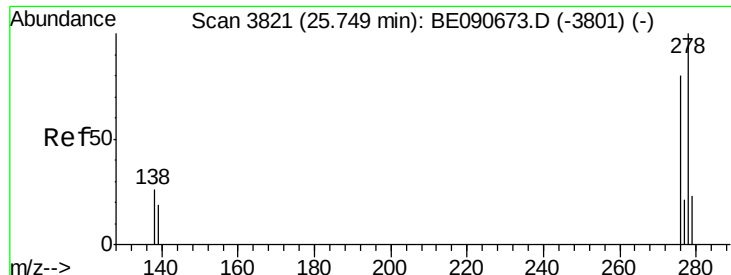
260 24.9 19.7 29.5

265 21.8 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





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.74 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BE090818.D

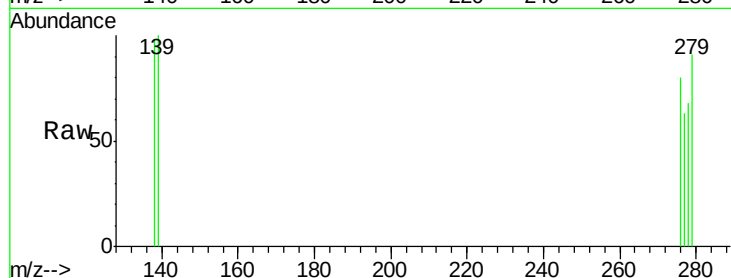
Acq: 15 Sep 2015 2:56

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-M



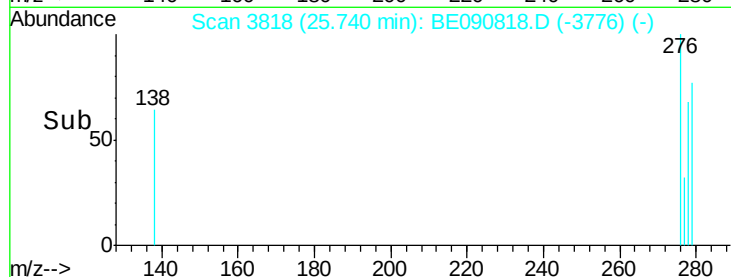
Tot Ion: 278 Resp: 19

Ion Ratio Lower Upper

278 100

139 147.9 15.4 23.0#

279 134.2 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

150

100

75

50

25

0

25.70

25.75

Time-->