

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090921.D
 Acq On : 21 Sep 2015 16:50
 Operator : UM/IZ
 Sample : G3745-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091815-D534-E-D-B

Quant Time: Sep 21 17:24:02 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 18:17:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	28964	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	119908	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	65266	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	161568	5.00	ng	0.00
26) Chrysene-d12	21.07	240	208002	5.00	ng	0.00
33) Perylene-d12	23.35	264	187067	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	14533	2.21	ng	0.00
5) Phenol-d6	6.79	99	10737	1.19	ng	0.03
8) Nitrobenzene-d5	8.72	82	22337	2.70	ng	0.01
14) 2,4,6-Tribromophenol	15.67	330	10161	4.41	ng	-0.02
15) 2-Fluorobiphenyl	12.81	172	53148	2.87	ng	0.00
28) Terphenyl-d14	19.53	244	106318	4.51	ng	0.00

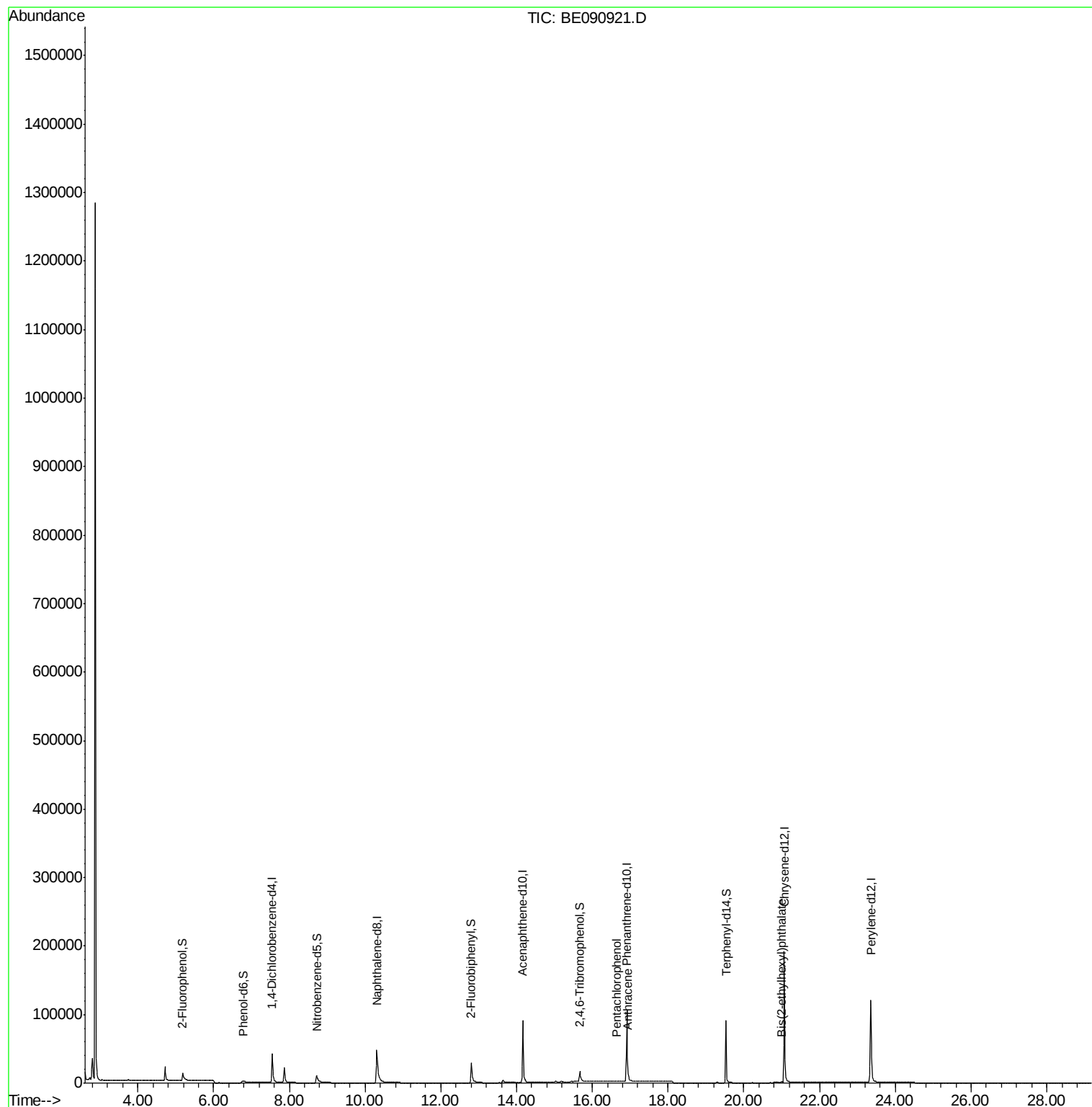
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	19	Below Cal	#	41
3) n-Nitrosodimethylamine	3.42	42	21	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.98	93	14	Below Cal	#	1
10) Naphthalene	10.35	128	181	Below Cal	#	1
11) Hexachlorobutadiene	10.64	225	11	Below Cal	#	65
18) Fluorene	15.24	166	170	Below Cal	#	38
21) Hexachlorobenzene	16.21	284	65	Below Cal	#	37
22) Pentachlorophenol	16.63	266	84	0.20 ng	#	60
23) Phenanthrene	16.94	178	759	Below Cal	#	77
24) Anthracene	16.94	178	759	0.02 ng	#	78
30) Chrysene	21.07	228	772	Below Cal	#	79
31) Bis(2-ethylhexyl)phthalate	21.00	149	1586	0.24 ng		99

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

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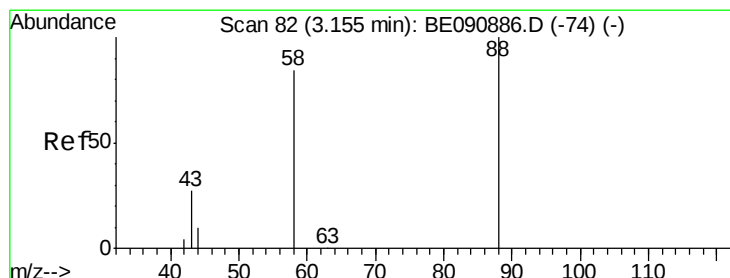
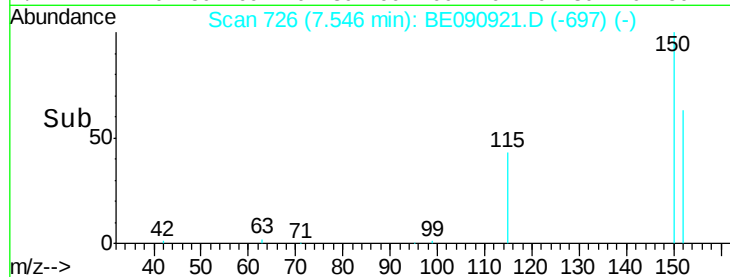
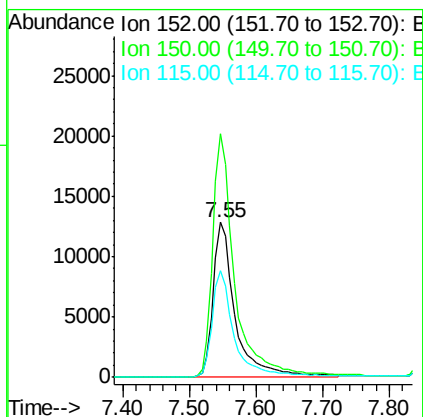
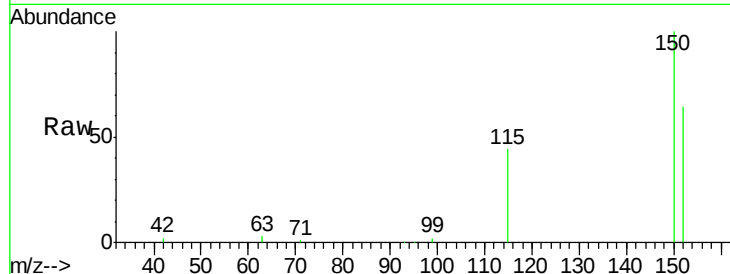




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.55 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: BE090921.D
 Acq: 21 Sep 2015 16:50

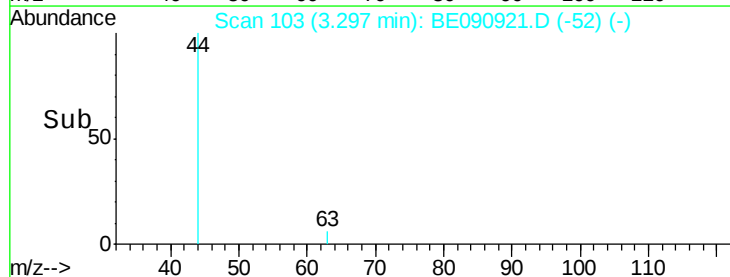
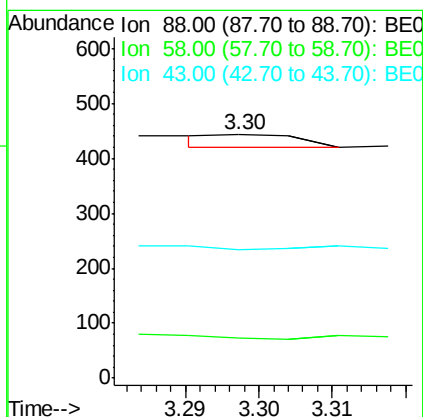
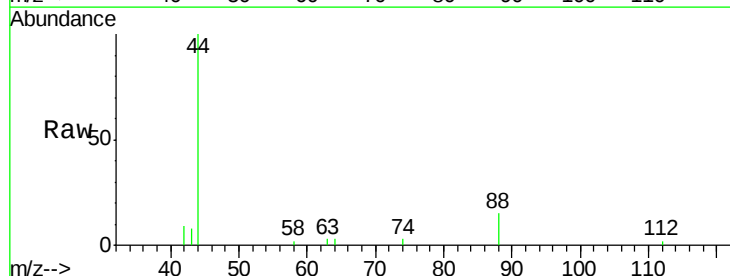
Instrument :
 BNA_E
 ClientSampleId :
 091815-D534-E-D-B

Tot Ion:152 Resp: 28964
 Ion Ratio Lower Upper
 152 100
 150 157.2 122.2 183.4
 115 68.7 51.0 76.4



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.30 min Scan# 103
 Delta R.T. 0.14 min
 Lab File: BE090921.D
 Acq: 21 Sep 2015 16:50

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 58 31.6 68.4 102.6#
 43 0.0 26.9 40.3#



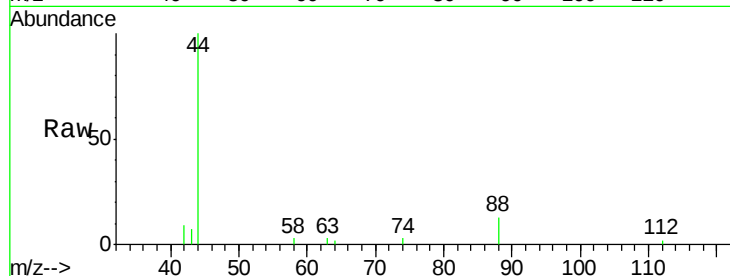


#3

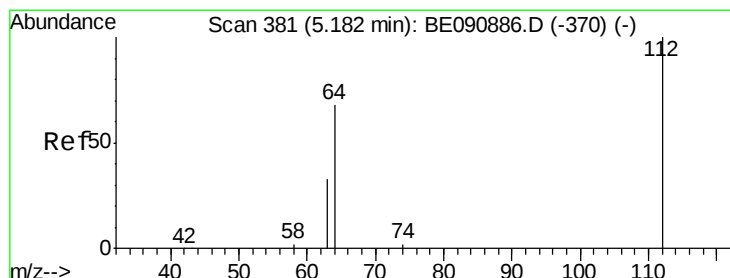
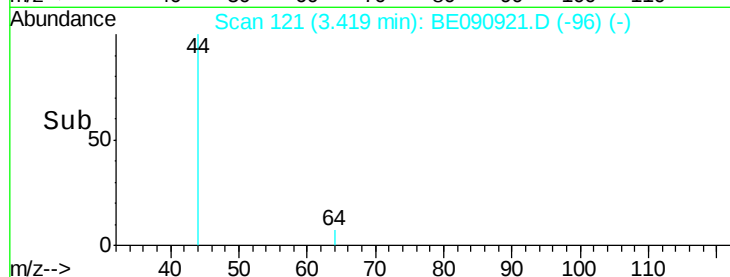
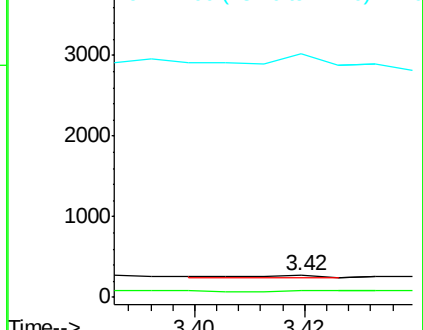
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.42 min Scan# 121
 Delta R.T. -0.03 min
 Lab File: BE090921.D
 Acq: 21 Sep 2015 16:50

Instrument :
 BNA_E
 ClientSampleId :
 091815-D534-E-D-B

Tot Ion: 42 Resp: 21
 Ion Ratio Lower Upper
 42 100
 74 81.0 83.7 125.5#
 44 704.8 10.0 15.0#



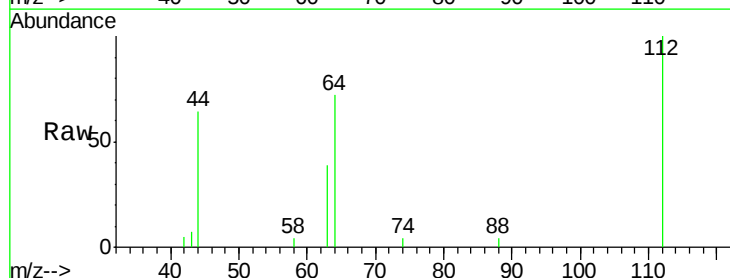
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



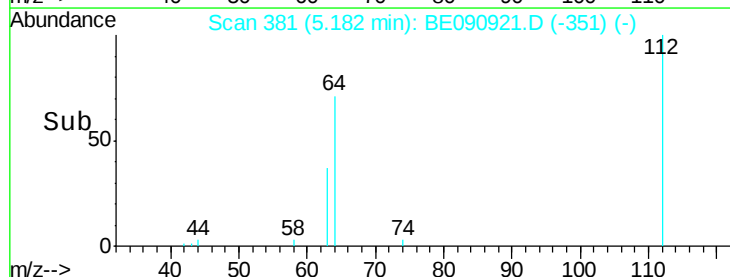
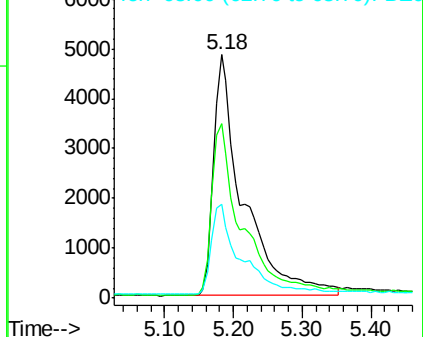
#4

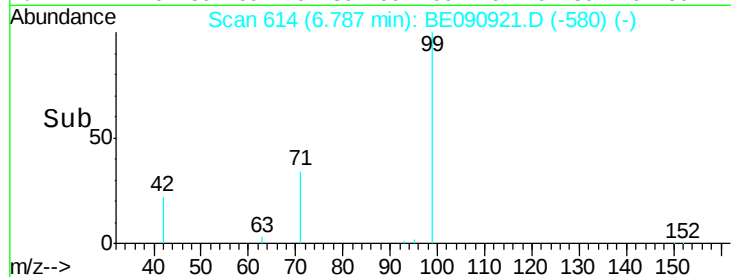
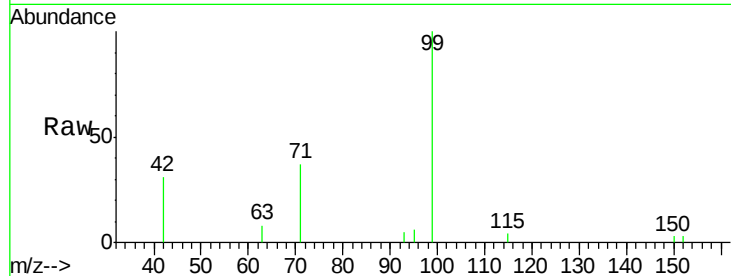
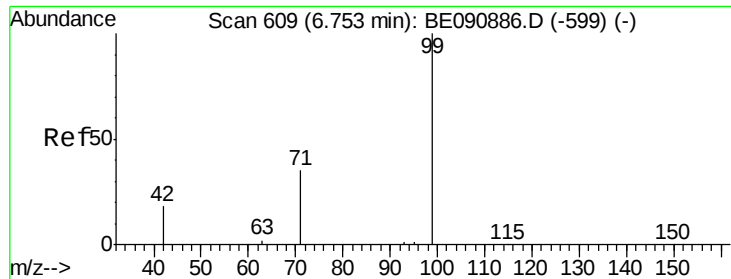
2-Fluorophenol
 Concen: 2.21 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090921.D
 Acq: 21 Sep 2015 16:50

Tgt Ion: 112 Resp: 14533
 Ion Ratio Lower Upper
 112 100
 64 72.7 57.3 85.9
 63 38.0 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: 1.19 ng

RT: 6.79 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

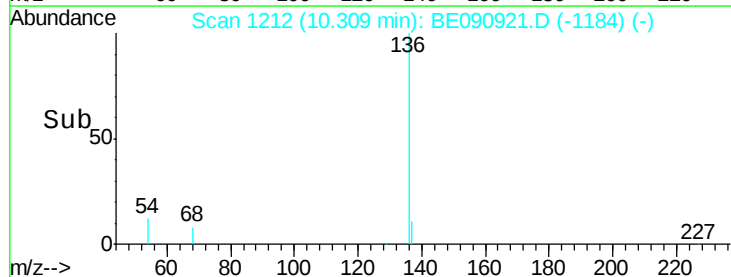
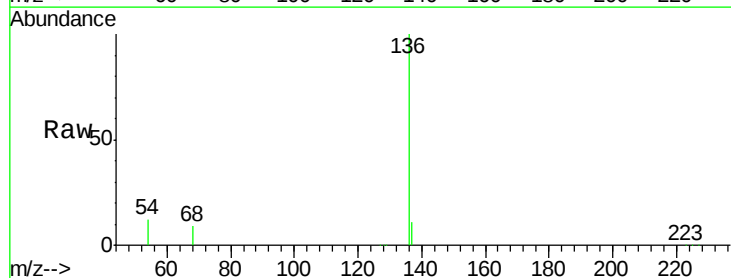
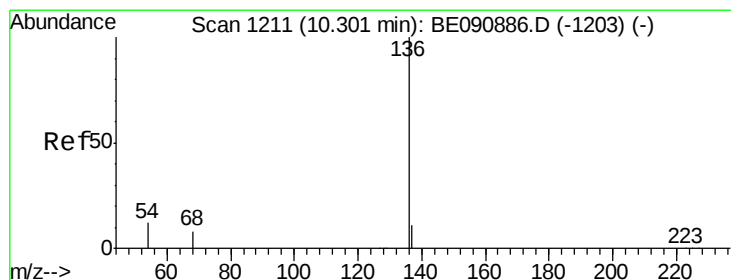
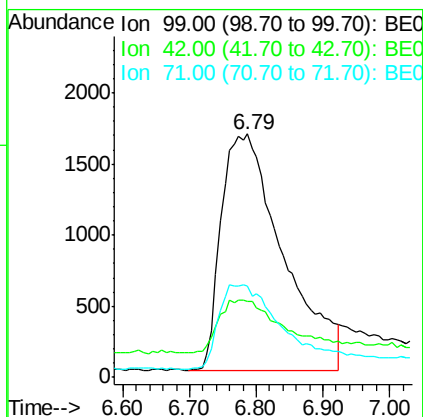
Tot Ion: 99 Resp: 10737

Ion Ratio Lower Upper

99 100

42 23.4 16.8 25.2

71 0.0 28.3 42.5#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Tgt Ion: 136 Resp: 119908

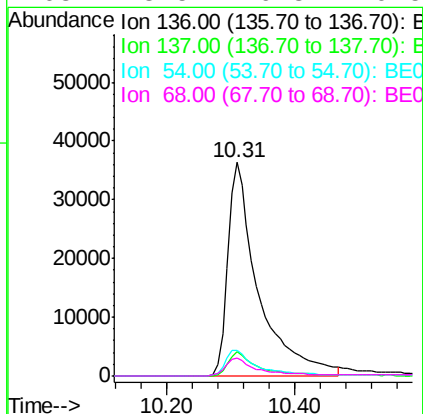
Ion Ratio Lower Upper

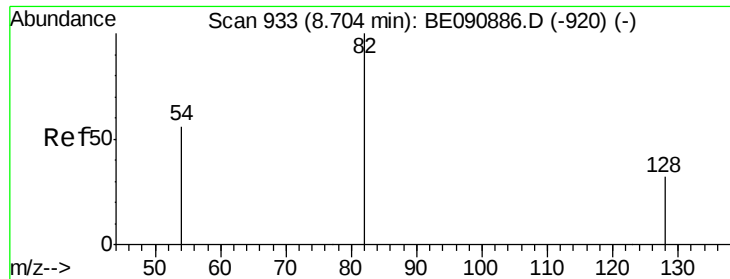
136 100

137 11.1 8.7 13.1

54 12.0 9.0 13.6

68 8.5 6.3 9.5





#8

Nitrobenzene-d5

Concen: 2.70 na

RT: 8.72 min Scan# 936

Delta R.T. 0.01 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

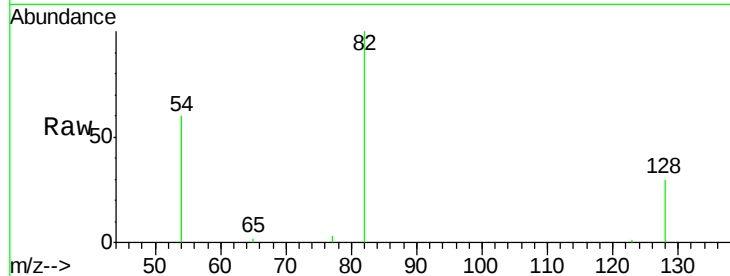
Tot Ion: 82 Resp: 22337

Ion Ratio Lower Upper

82 100

128 30.2 25.0 37.4

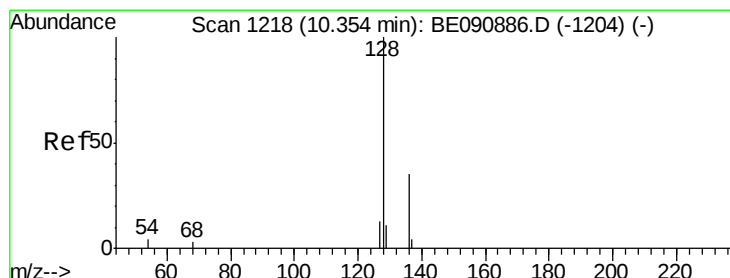
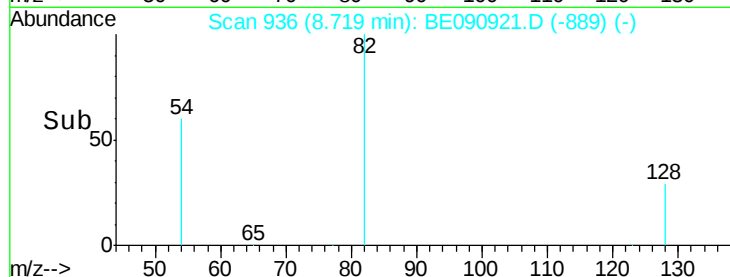
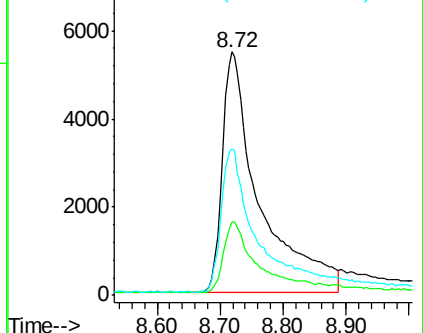
54 60.2 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE090886.D (-920) (-)

Ion 128.00 (127.70 to 128.70): BE090886.D (-920) (-)

Ion 54.00 (53.70 to 54.70): BE090886.D (-920) (-)



#10

Naphthalene

Concen: Below Cal

RT: 10.35 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

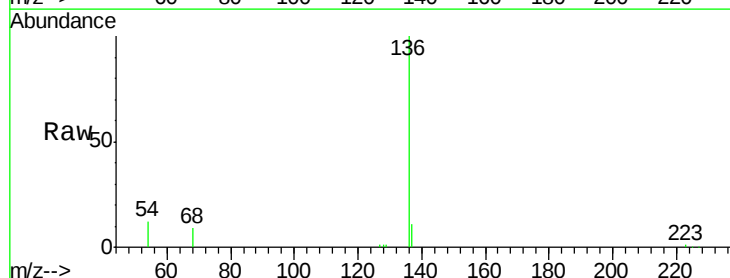
Tgt Ion: 128 Resp: 181

Ion Ratio Lower Upper

128 100

129 58.5 8.4 12.6#

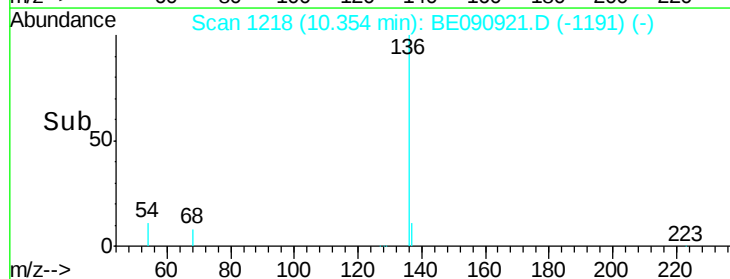
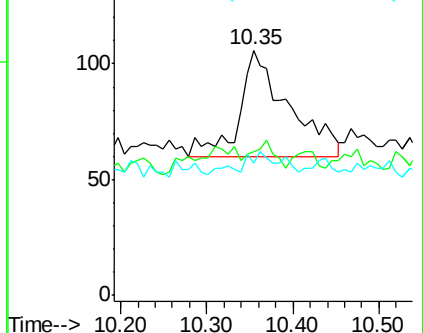
127 53.8 9.9 14.9#

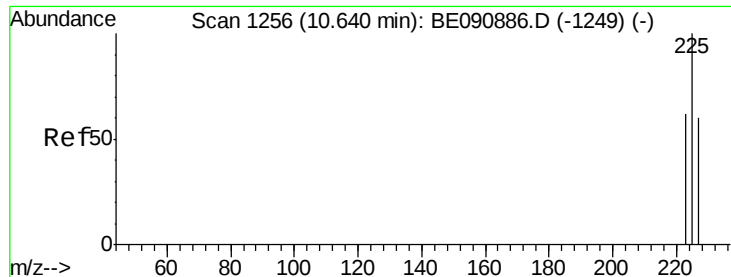


Abundance Ion 128.00 (127.70 to 128.70): BE090886.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090886.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090886.D (-1204) (-)

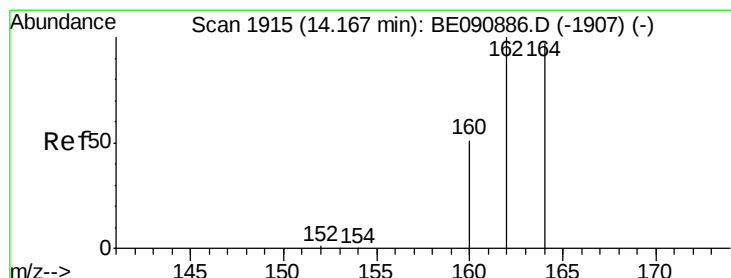
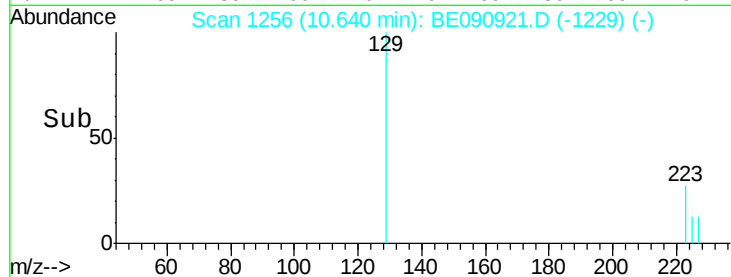
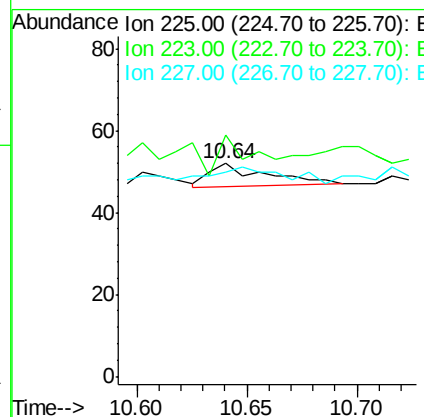
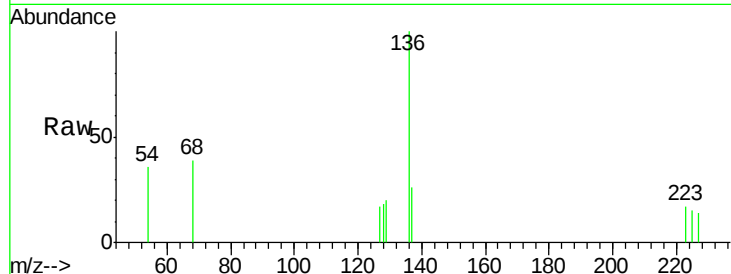




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.64 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE090921.D
Acq: 21 Sep 2015 16:50

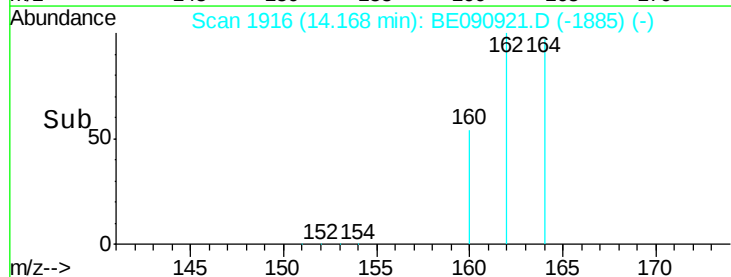
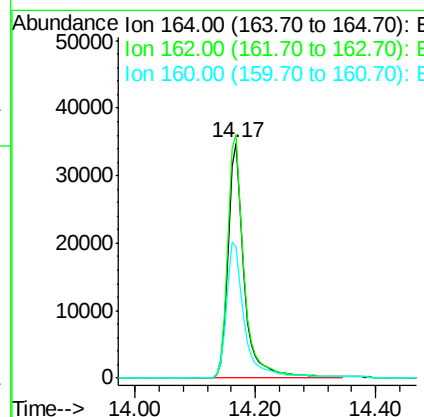
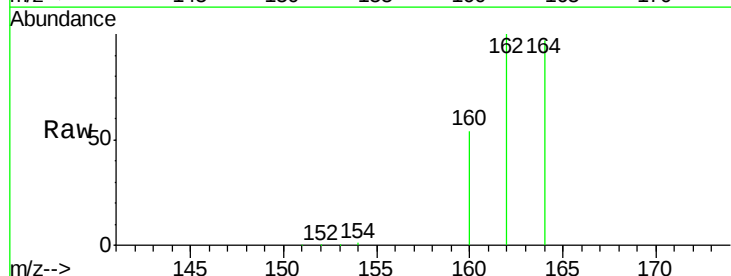
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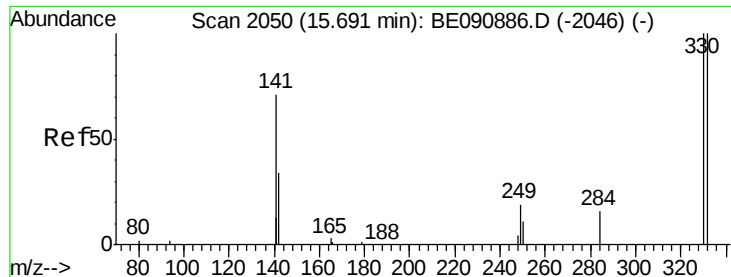
Tot Ion:225 Resp: 11
Ion Ratio Lower Upper
225 100
223 100.0 50.6 76.0#
227 81.8 51.0 76.6#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1916
Delta R.T. 0.00 min
Lab File: BE090921.D
Acq: 21 Sep 2015 16:50

Tgt Ion:164 Resp: 65266
Ion Ratio Lower Upper
164 100
162 103.5 86.8 130.2
160 55.9 53.9 80.9

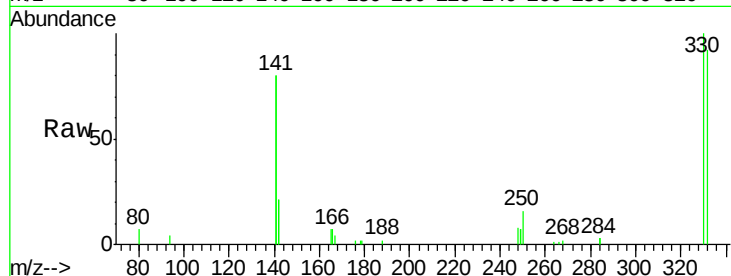




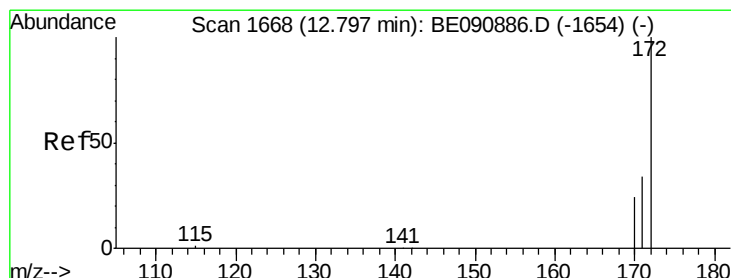
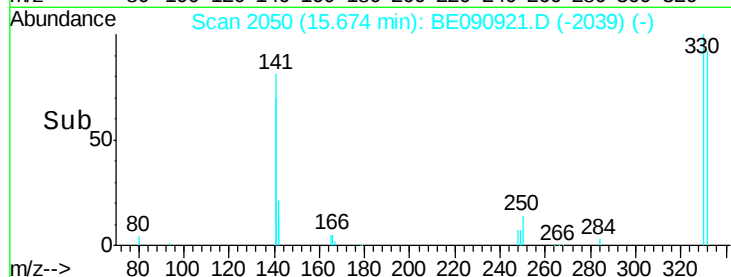
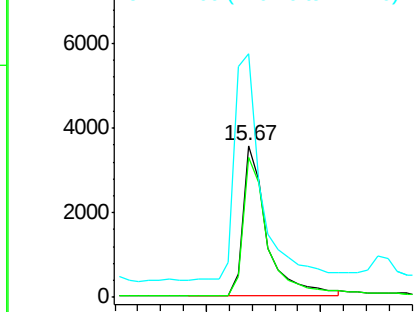
#14
 2,4,6-Tribromophenol
 Concen: 4.41 ng
 RT: 15.67 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BE090921.D
 Acq: 21 Sep 2015 16:50

Instrument :
 BNA_E
 ClientSampleId :
 091815-D534-E-D-B

Tot Ion:330 Resp: 10161
 Ion Ratio Lower Upper
 330 100
 332 95.1 74.9 112.3
 141 172.7 145.2 217.8

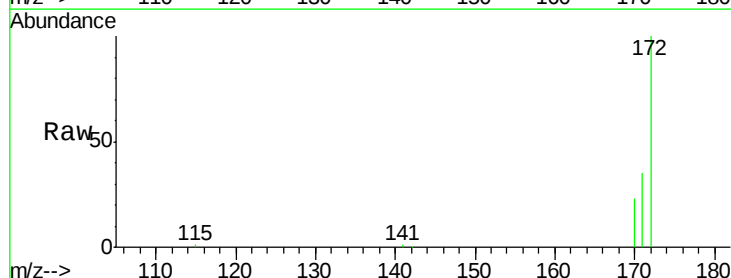


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

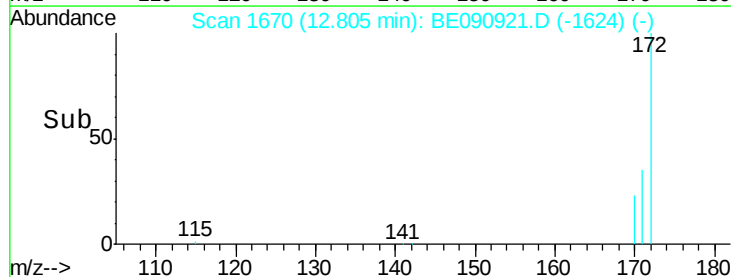
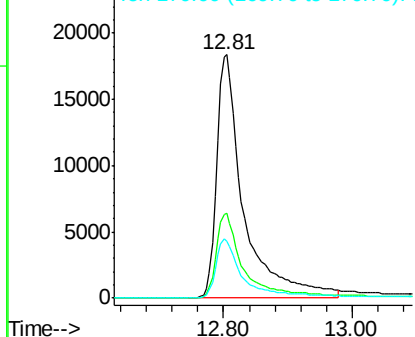


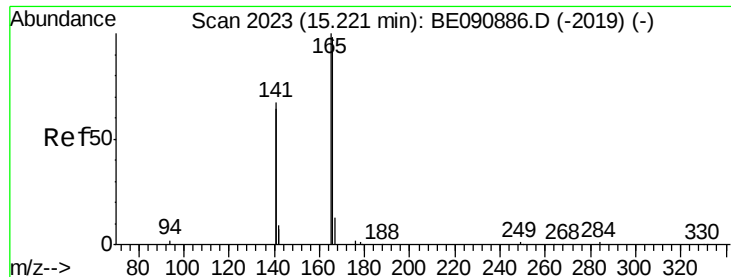
#15
 2-Fluorobiphenyl
 Concen: 2.87 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. 0.01 min
 Lab File: BE090921.D
 Acq: 21 Sep 2015 16:50

Tgt Ion:172 Resp: 53148
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.8
 170 23.4 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#18

Fluorene

Concen: Below Cal

RT: 15.24 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

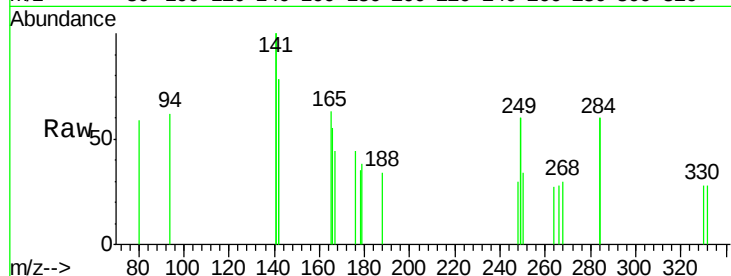
Tot Ion:166 Resp: 170

Ion Ratio Lower Upper

166 100

165 172.4 82.7 124.1#

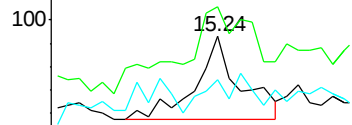
167 22.4 10.7 16.1#



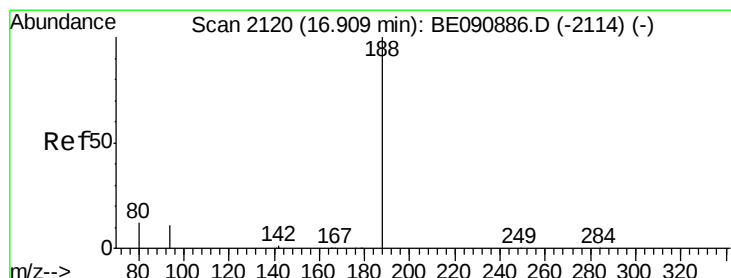
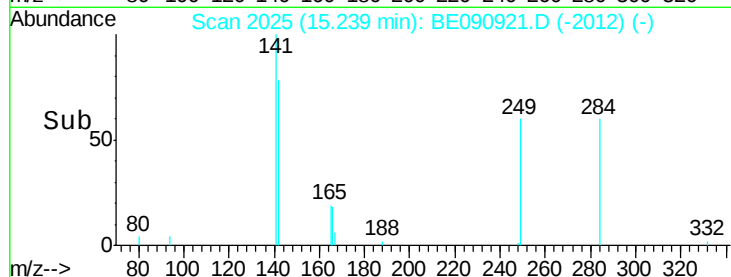
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.00 15.20 15.40



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

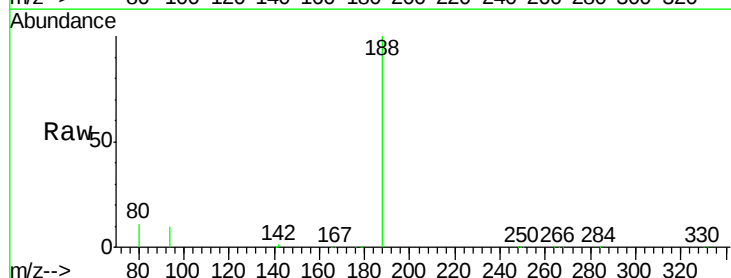
Tgt Ion:188 Resp: 161568

Ion Ratio Lower Upper

188 100

94 10.0 10.3 15.5#

80 10.8 11.0 16.6#



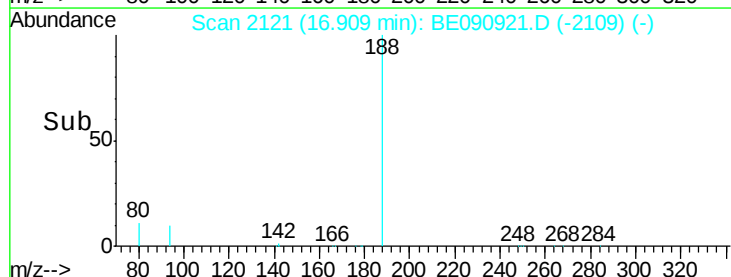
Abundance Ion 188.00 (187.70 to 188.70): E

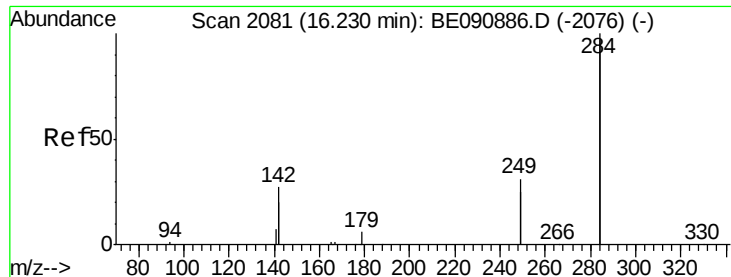
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time--> 16.80 17.00





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2081

Delta R.T. -0.02 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

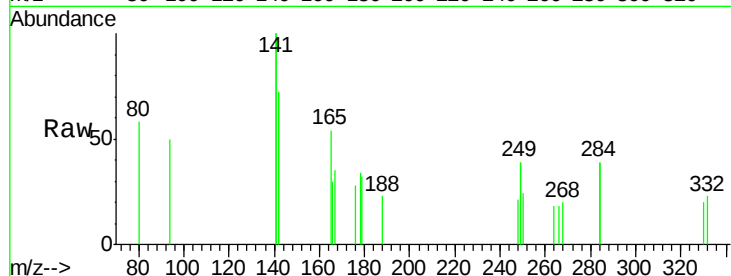
Tot Ion:284 Resp: 65

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

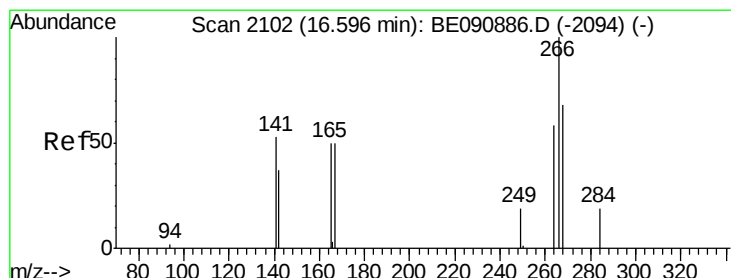
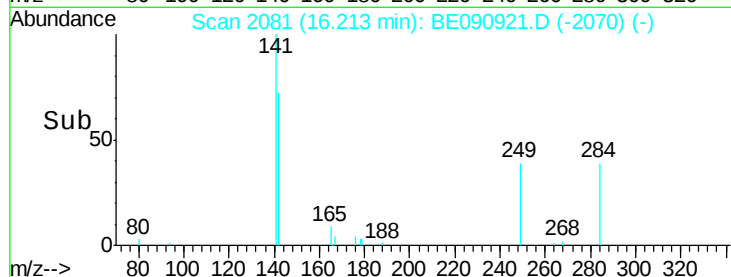
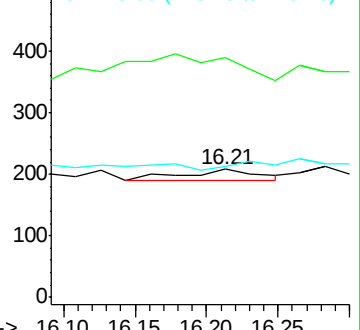
249 0.0 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.20 ng

RT: 16.63 min Scan# 2105

Delta R.T. 0.04 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

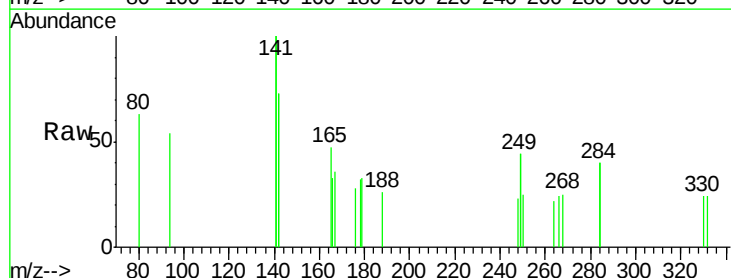
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

268 103.4 49.6 74.4#

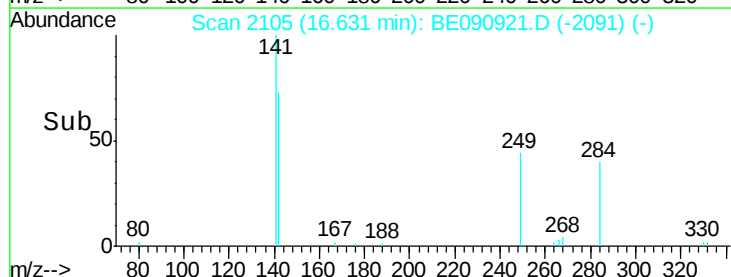
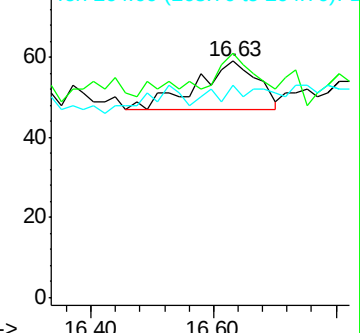
264 89.8 53.9 80.9#

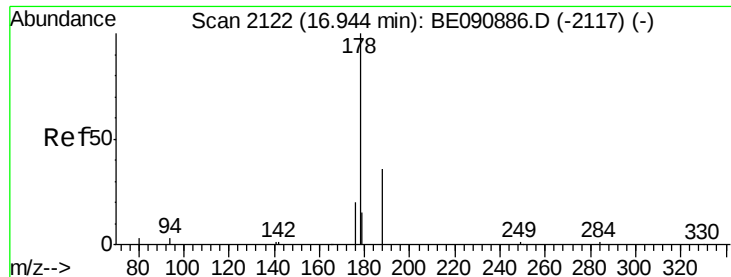


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 16.94 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

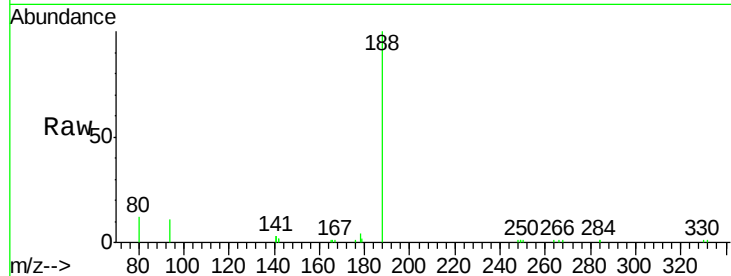
Tot Ion:178 Resp: 759

Ion Ratio Lower Upper

178 100

176 24.6 15.6 23.4#

179 0.0 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.94

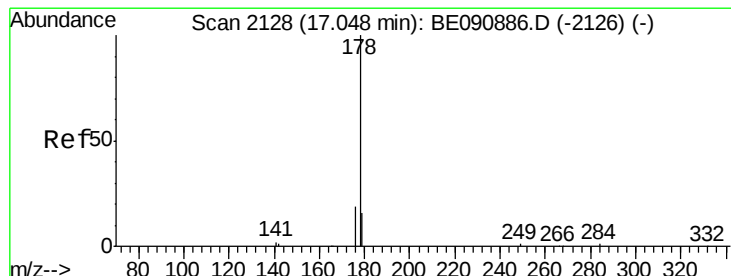
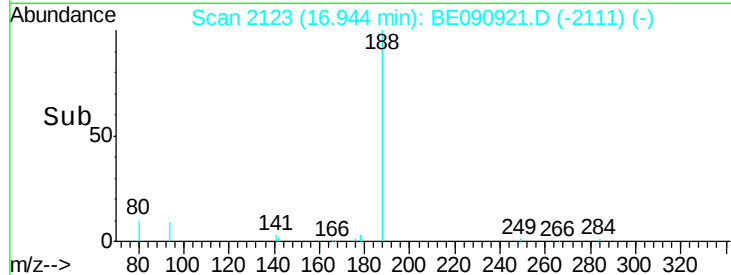
300

200

100

0

Time-->



#24

Anthracene

Concen: 0.02 ng

RT: 16.94 min Scan# 2123

Delta R.T. -0.10 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

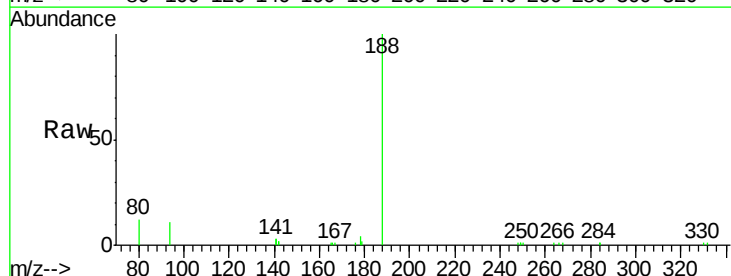
Tgt Ion:178 Resp: 759

Ion Ratio Lower Upper

178 100

176 14.6 15.0 22.6#

179 0.0 12.3 18.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.94

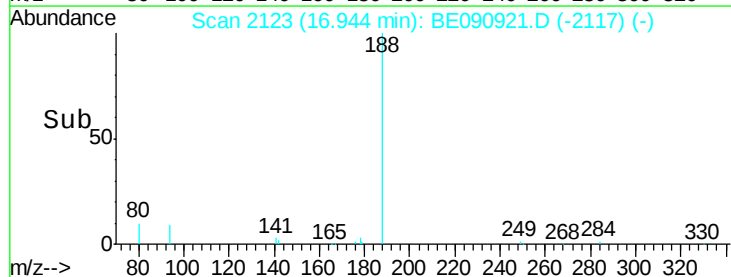
300

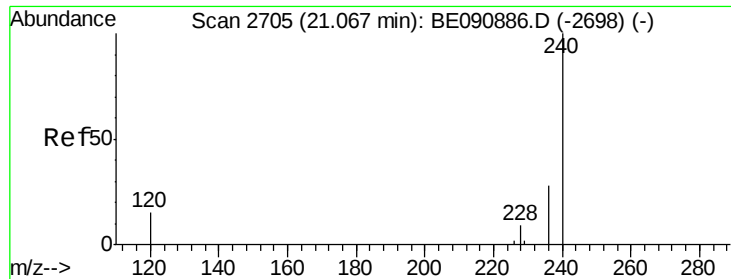
200

100

0

Time-->

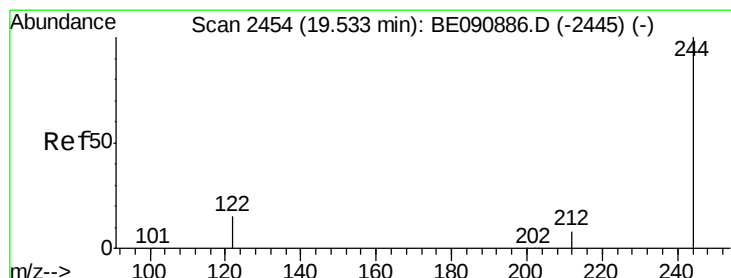
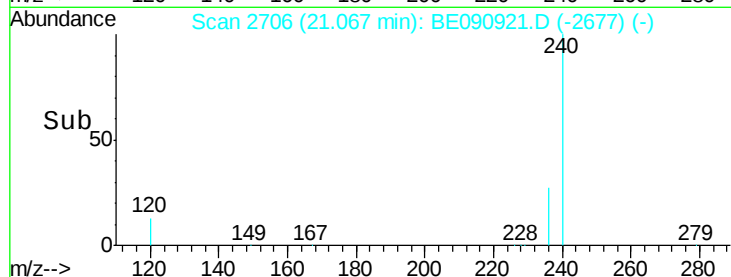
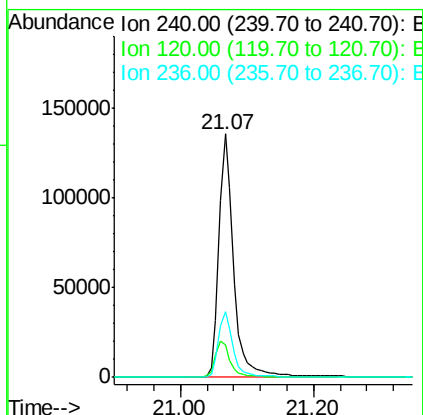
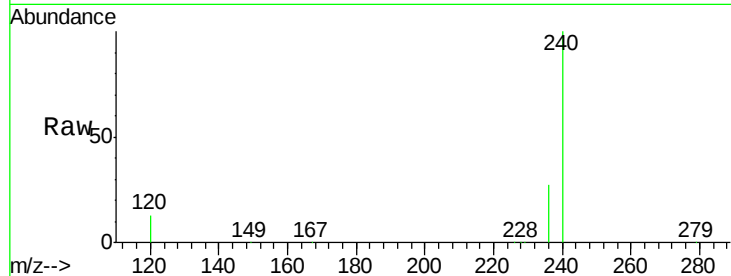




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BE090921.D
Acq: 21 Sep 2015 16:50

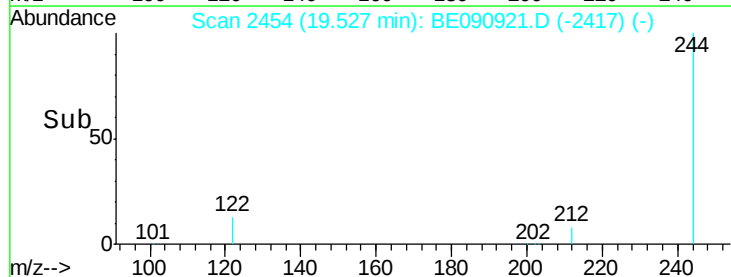
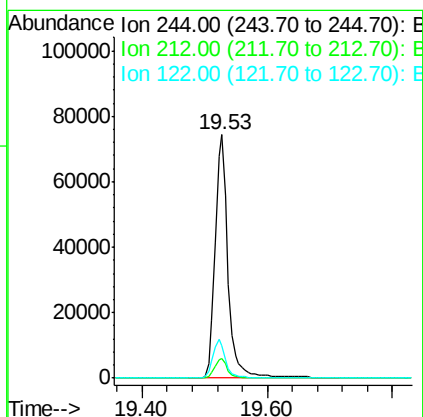
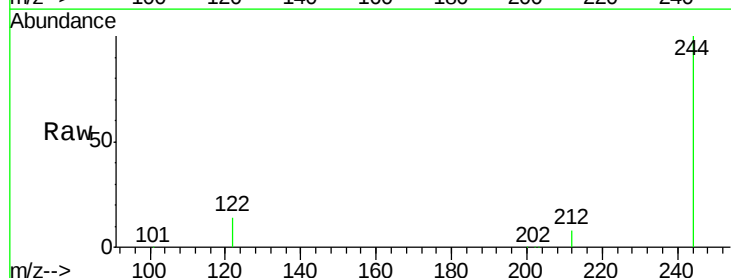
Instrument :
BNA_E
ClientSampleId :
091815-D534-E-D-B

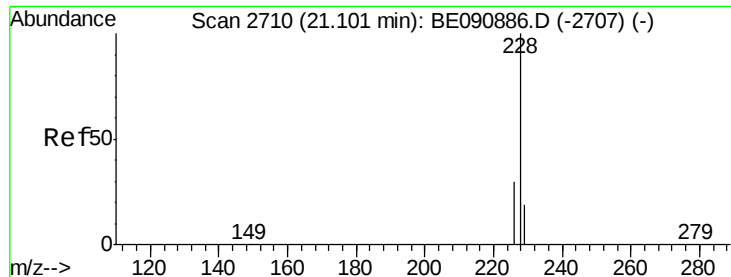
Tot Ion:240 Resp: 208002
Ion Ratio Lower Upper
240 100
120 13.5 10.1 15.1
236 27.0 21.9 32.9



#28
Terphenyl-d14
Concen: 4.51 ng
RT: 19.53 min Scan# 2454
Delta R.T. -0.00 min
Lab File: BE090921.D
Acq: 21 Sep 2015 16:50

Tgt Ion:244 Resp: 106318
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 13.5 12.9 19.3





#30

Chrvsene

Concen: Below Cal

RT: 21.07 min Scan# 2706

Delta R.T. -0.03 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

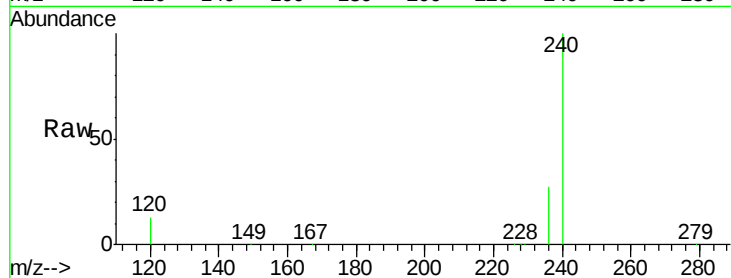
Tot Ion:228 Resp: 772

Ion Ratio Lower Upper

228 100

226 25.7 24.2 36.4

229 37.5 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

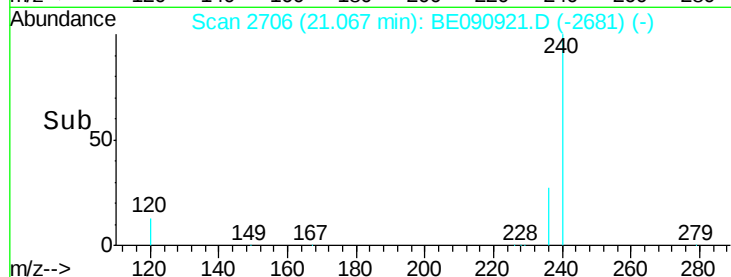
21.07

400

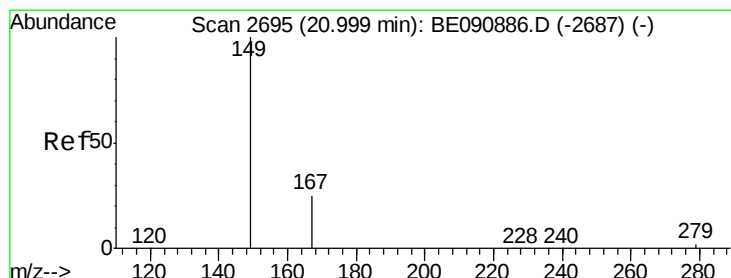
200

0

21.00 21.05 21.10



Time-->



#31

Bis(2-ethylhexyl)phthalate

Concen: 0.24 ng

RT: 21.00 min Scan# 2696

Delta R.T. 0.00 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

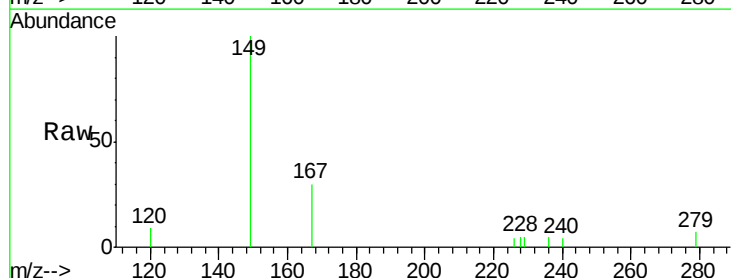
Tgt Ion:149 Resp: 1586

Ion Ratio Lower Upper

149 100

167 25.3 20.1 30.1

279 3.2 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

21.00

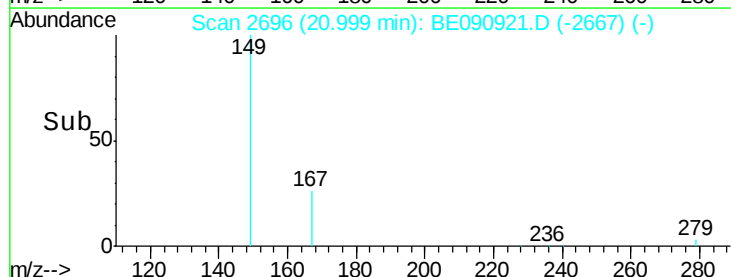
1500

1000

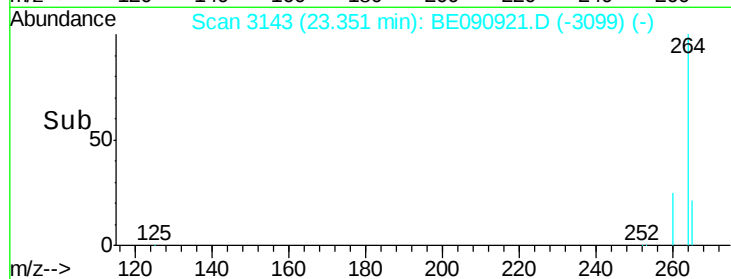
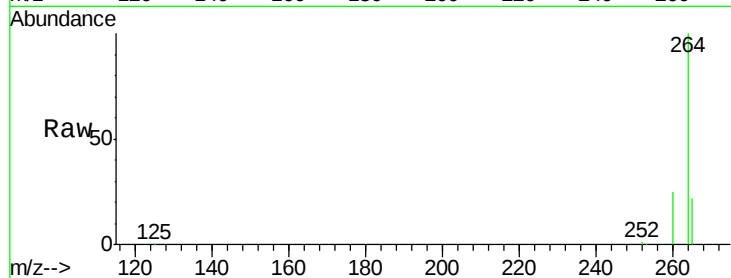
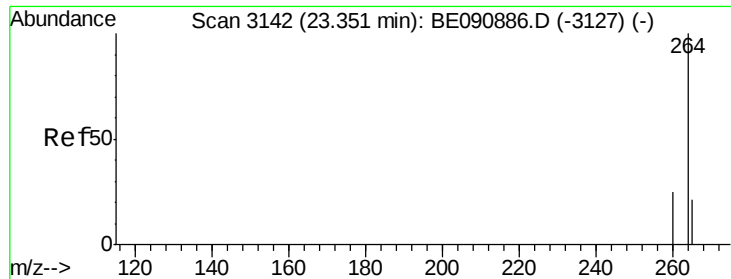
500

0

20.95 21.00 21.05



Time-->



#33

Pervlene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BE090921.D

Acq: 21 Sep 2015 16:50

Instrument :

BNA_E

ClientSampleId :

091815-D534-E-D-B

Tot Ion:264 Resp: 187067

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 21.7 17.5 26.3

