

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090912.D
 Acq On : 21 Sep 2015 6:20
 Operator : UM/IZ
 Sample : G3723-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091615-D534-F-D-S

Quant Time: Sep 21 06:53:39 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	7.54	152	32775	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	138198	5.00	ng	0.00
13) Acenaphthene-d10	14.16	164	73833	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	182658	5.00	ng	0.00
26) Chrysene-d12	21.07	240	238778	5.00	ng	0.00
33) Perylene-d12	23.35	264	221612	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	27007	3.65	ng	0.00
5) Phenol-d6	6.75	99	19713	1.93	ng	0.00
8) Nitrobenzene-d5	8.71	82	41469	4.35	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	22662	8.70	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	87346	4.17	ng	0.00
28) Terphenyl-d14	19.52	244	163635	6.07	ng	0.00

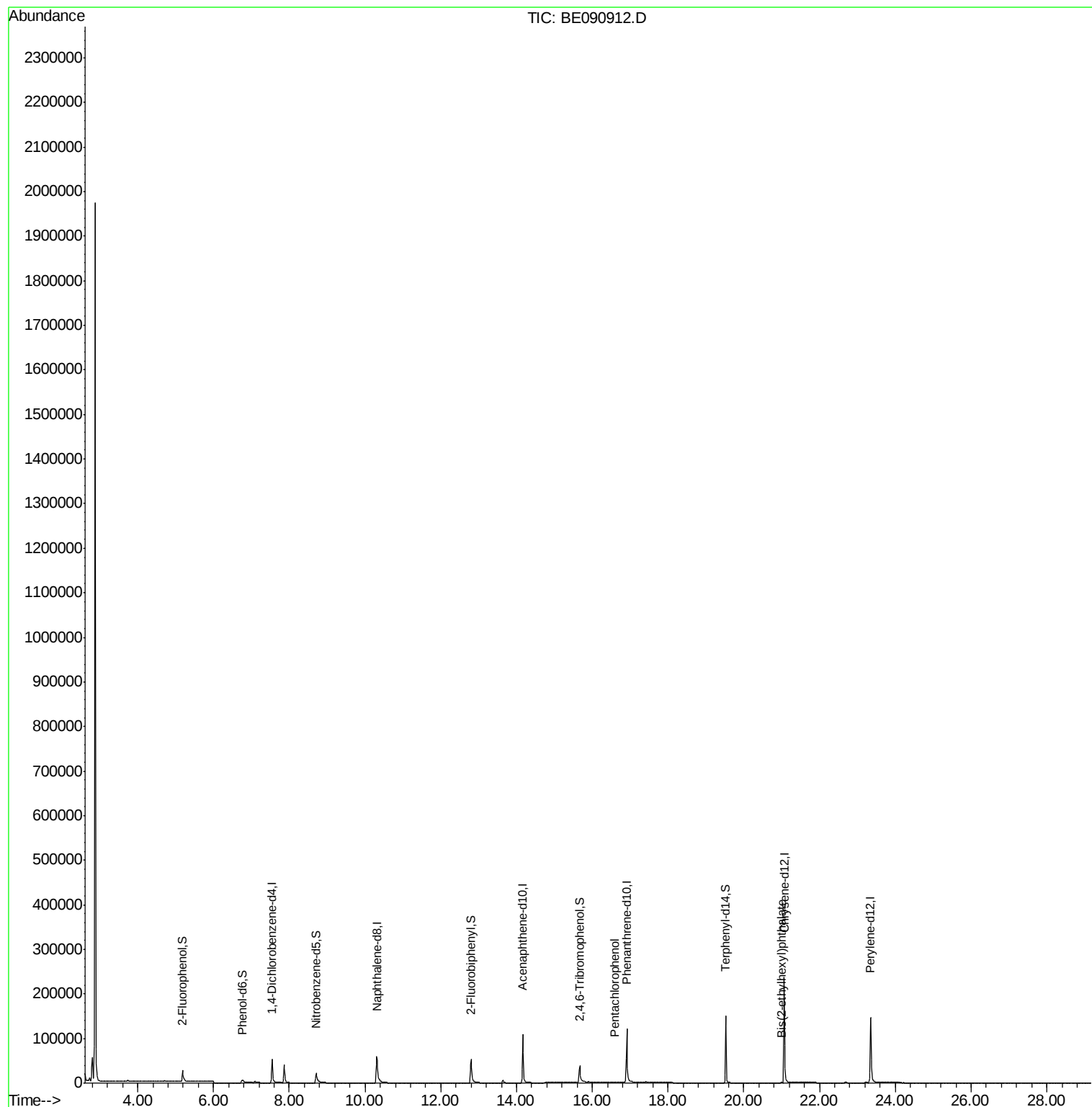
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	120	Below Cal	#	15
3) n-Nitrosodimethylamine	3.39	42	33	Below Cal	#	6
6) bis(2-Chloroethyl)ether	6.95	93	14	Below Cal	#	1
10) Naphthalene	10.36	128	127	Below Cal	#	1
11) Hexachlorobutadiene	10.68	225	6	Below Cal	#	64
18) Fluorene	15.22	166	112	Below Cal	#	86
21) Hexachlorobenzene	16.23	284	96	Below Cal	#	1
22) Pentachlorophenol	16.60	266	50	0.19 ng	#	44
23) Phenanthrene	16.94	178	565	Below Cal	#	81
30) Chrysene	21.10	228	533	Below Cal	#	65
31) Bis(2-ethylhexyl)phthalate	21.00	149	1321	0.22 ng	#	98

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

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Quant Time: Sep 21 06:53:39 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.54 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

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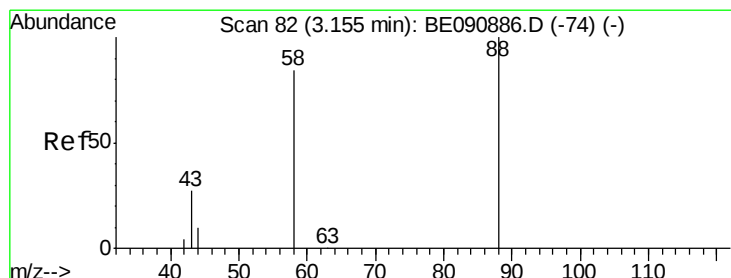
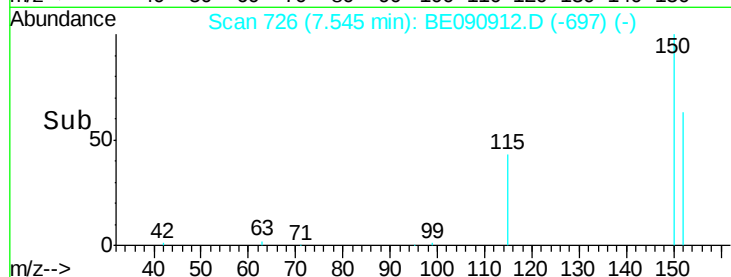
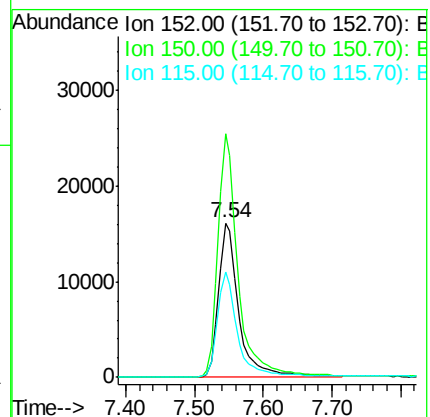
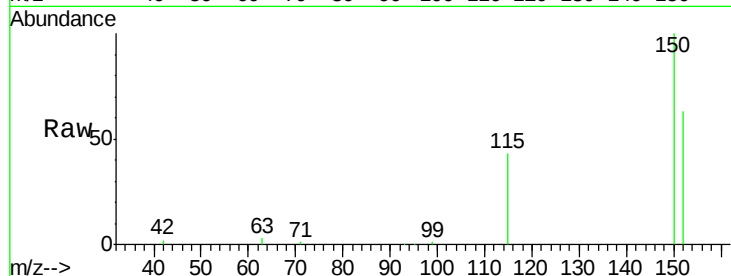
Tot Ion:152 Resp: 32775

Ion Ratio Lower Upper

152 100

150 157.9 122.2 183.4

115 68.1 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.14 min Scan# 80

Delta R.T. -0.01 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

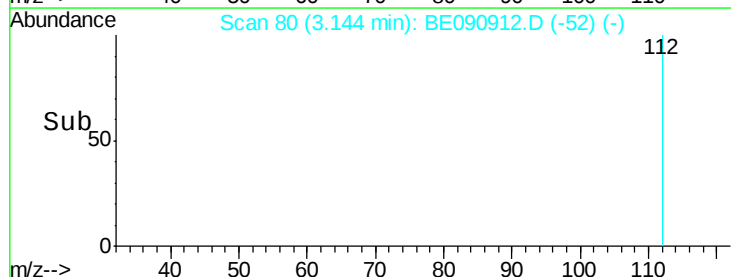
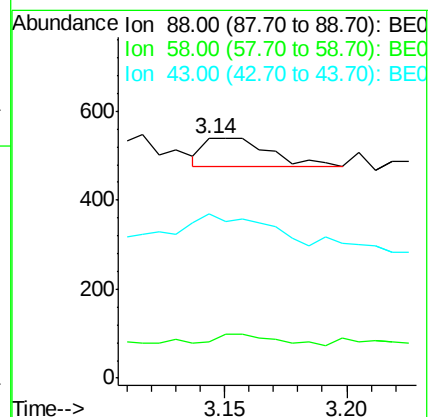
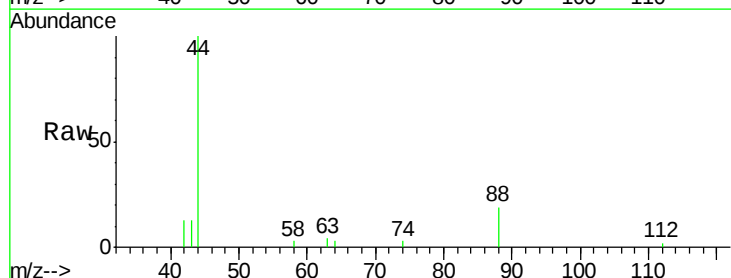
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

58 41.7 68.4 102.6#

43 136.7 26.9 40.3#



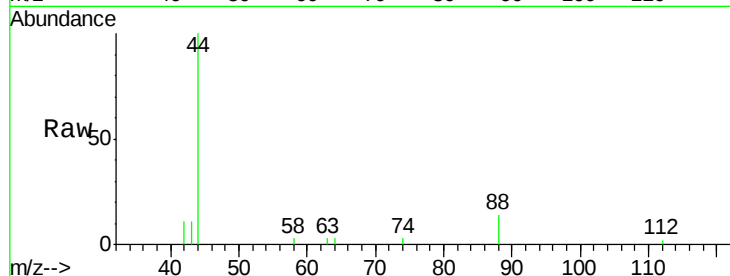


#3

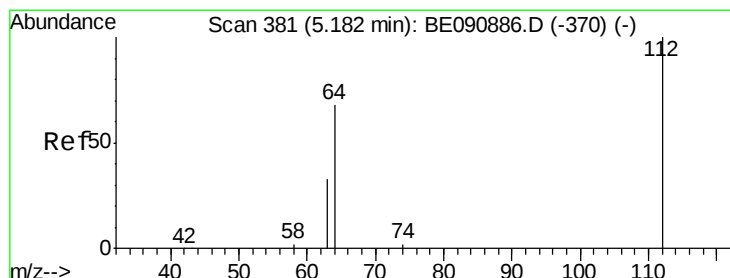
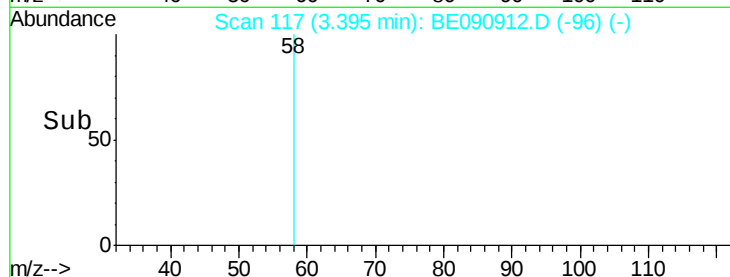
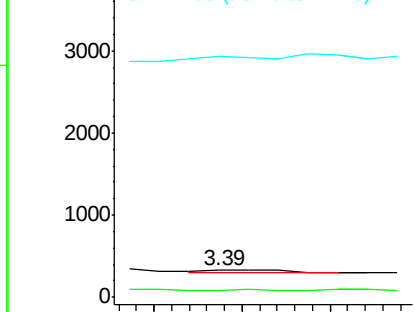
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.39 min Scan# 117
Delta R.T. -0.06 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

Instrument :
BNA_E
ClientSampleId :
091615-D534-F-D-S

Tot Ion: 42 Resp: 33
Ion Ratio Lower Upper
42 100
74 0.0 83.7 125.5#
44 0.0 10.0 15.0#



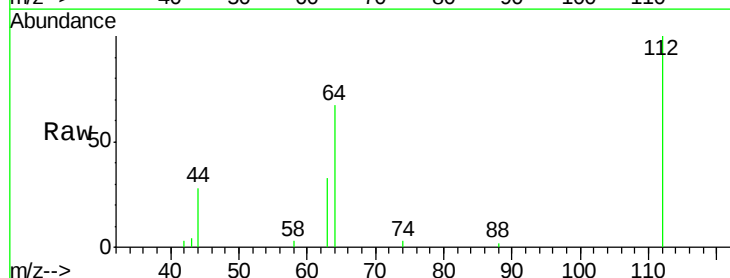
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



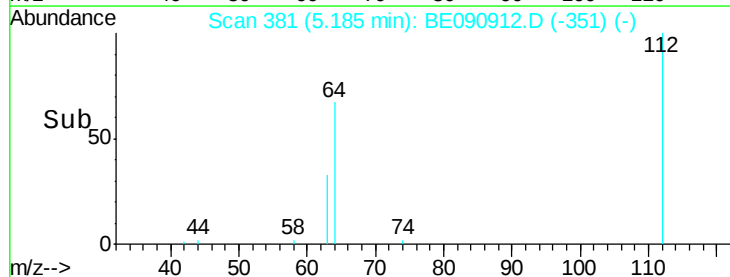
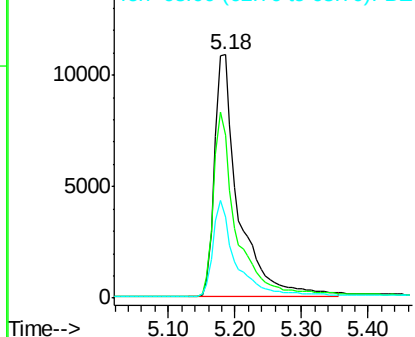
#4

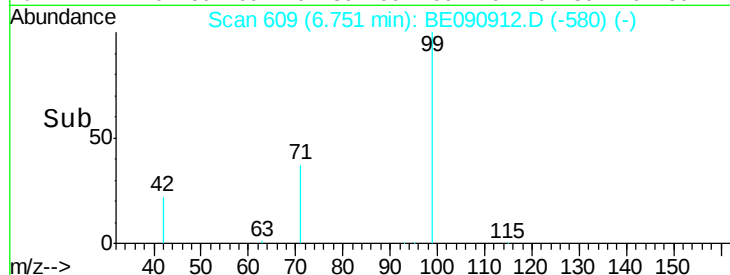
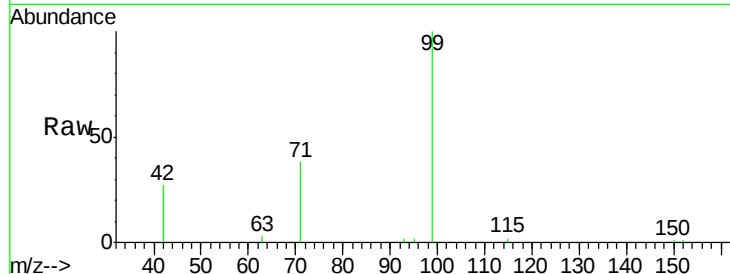
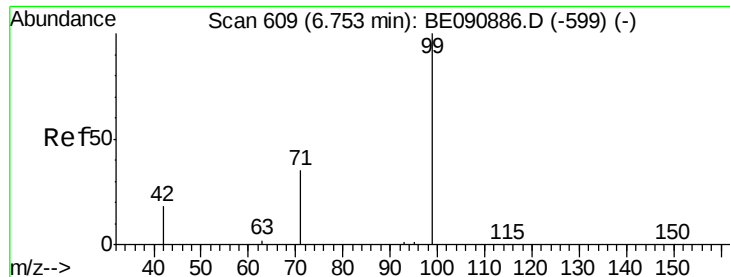
2-Fluorophenol
Concen: 3.65 ng
RT: 5.18 min Scan# 381
Delta R.T. 0.00 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

Tgt Ion: 112 Resp: 27007
Ion Ratio Lower Upper
112 100
64 72.5 57.3 85.9
63 37.1 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: 1.93 ng

RT: 6.75 min Scan# 609

Delta R.T. -0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-S

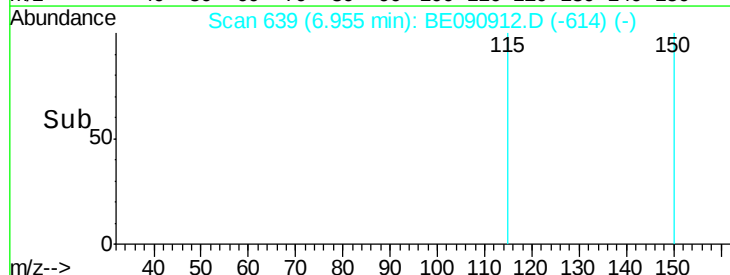
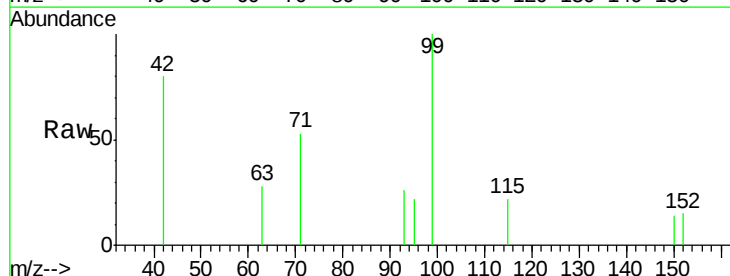
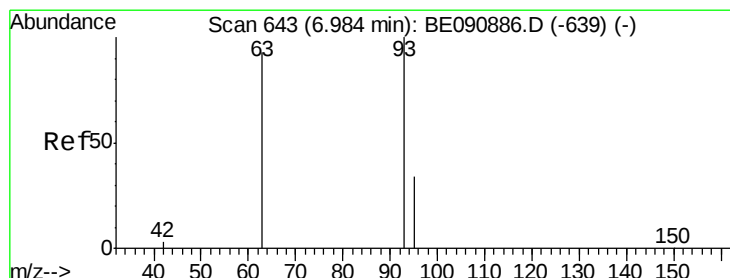
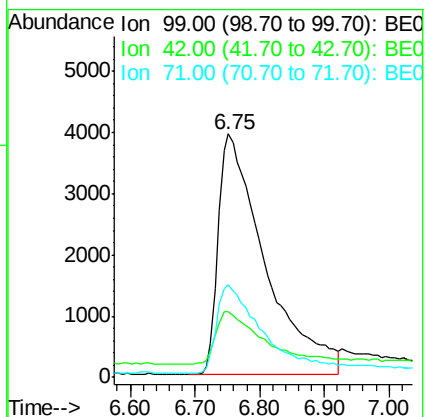
Tot Ion: 99 Resp: 19713

Ion Ratio Lower Upper

99 100

42 22.8 16.8 25.2

71 36.9 28.3 42.5



#6

bis(2-Chloroethyl)ether

Concen: Below Cal

RT: 6.95 min Scan# 639

Delta R.T. -0.03 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

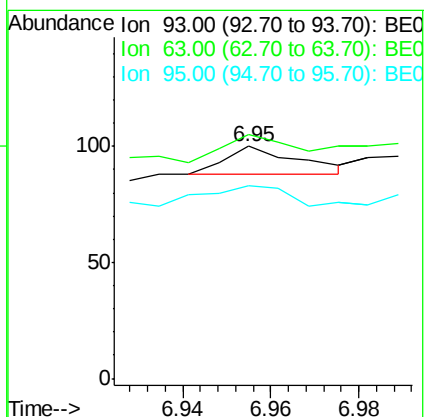
Tgt Ion: 93 Resp: 14

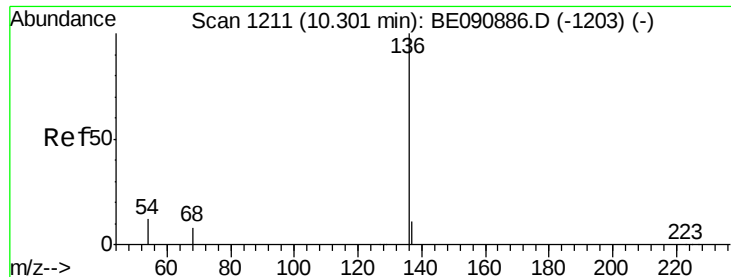
Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

95 171.4 26.9 40.3#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-S

Tot Ion:136 Resp: 138198

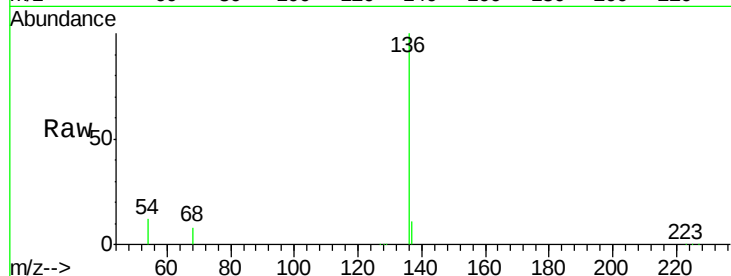
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.6 9.0 13.6

68 8.4 6.3 9.5

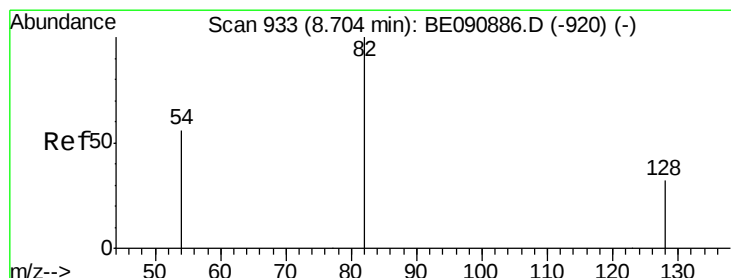
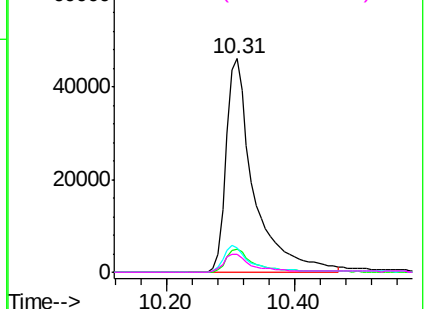
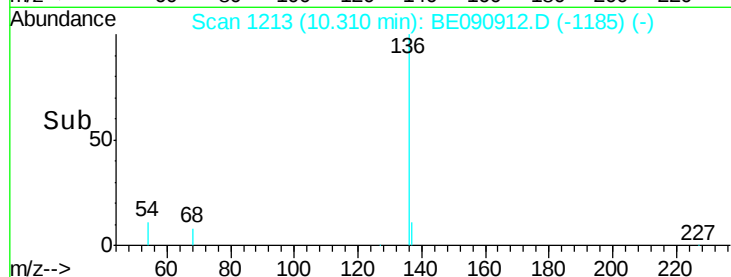


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.35 ng

RT: 8.71 min Scan# 934

Delta R.T. 0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

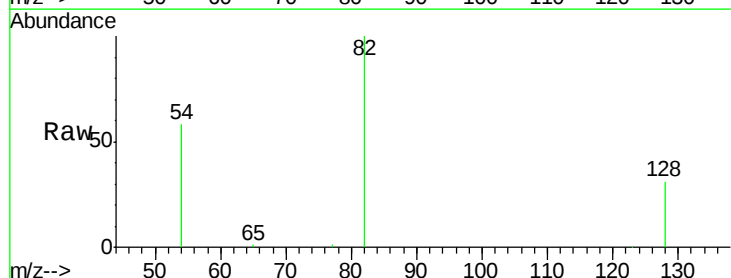
Tgt Ion: 82 Resp: 41469

Ion Ratio Lower Upper

82 100

128 31.0 25.0 37.4

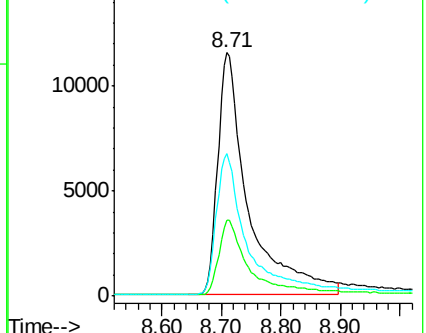
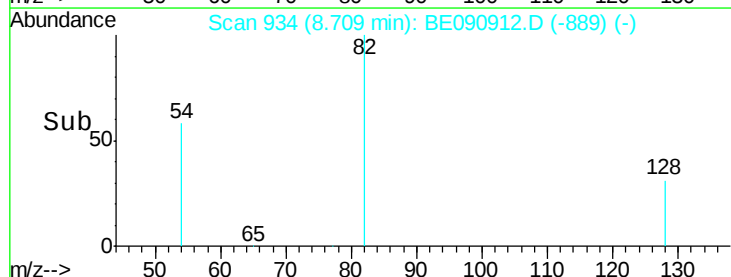
54 58.4 46.3 69.5

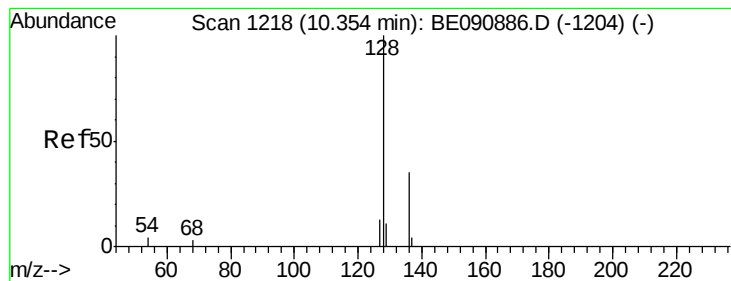


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: Below Cal

RT: 10.36 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-S

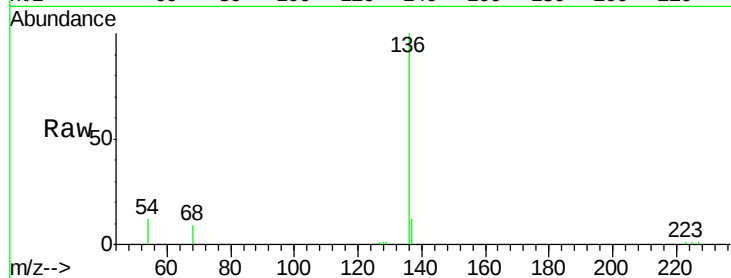
Tot Ion:128 Resp: 127

Ion Ratio Lower Upper

128 100

129 62.9 8.4 12.6#

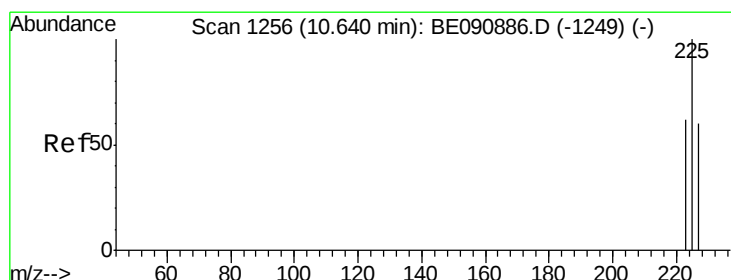
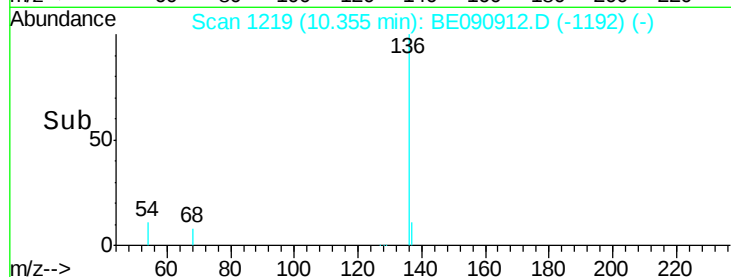
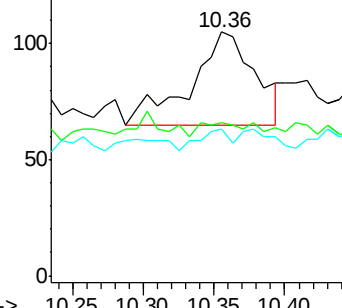
127 60.0 9.9 14.9#



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



#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1262

Delta R.T. 0.04 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

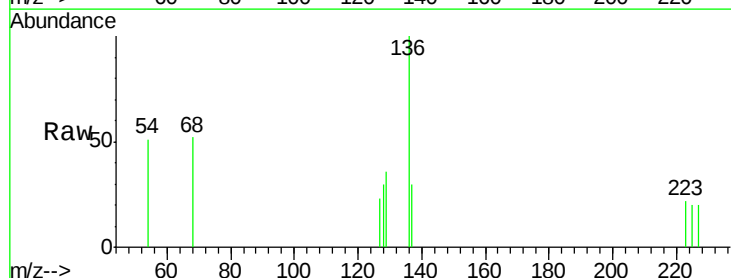
Tgt Ion:225 Resp: 6

Ion Ratio Lower Upper

225 100

223 116.7 50.6 76.0#

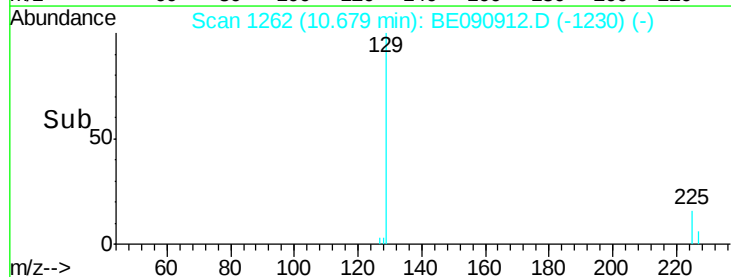
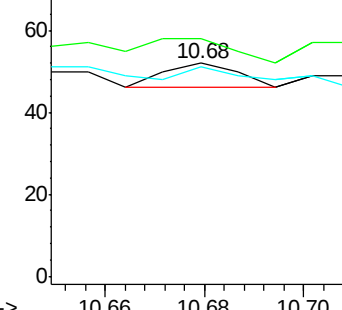
227 66.7 51.0 76.6

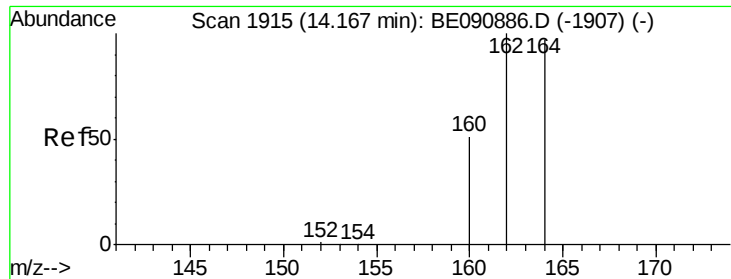


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

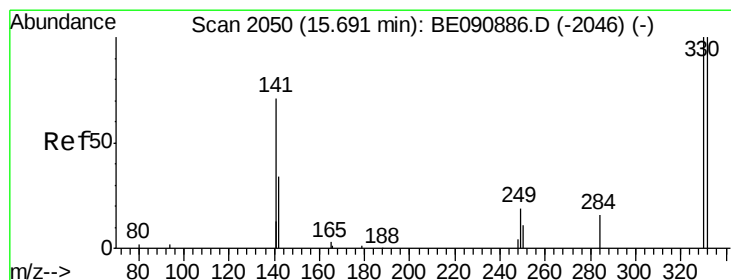
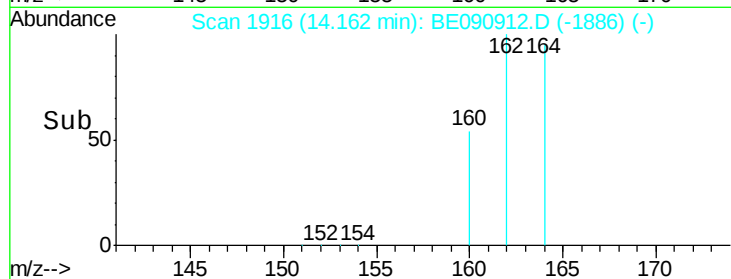
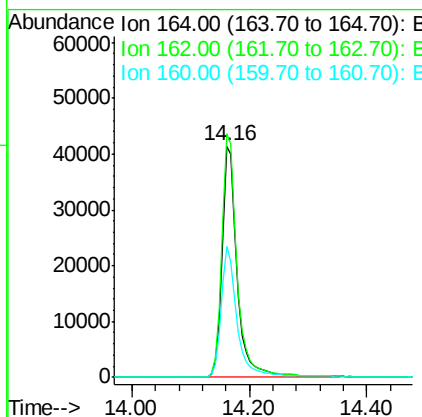
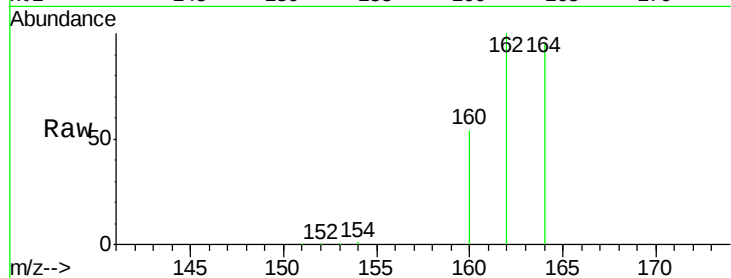




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 1916
Delta R.T. -0.00 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

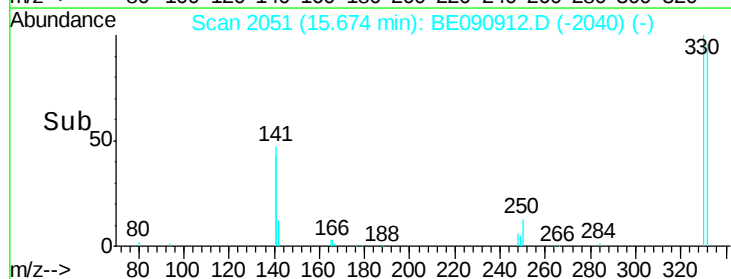
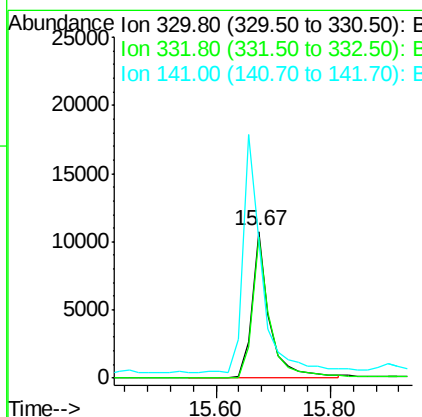
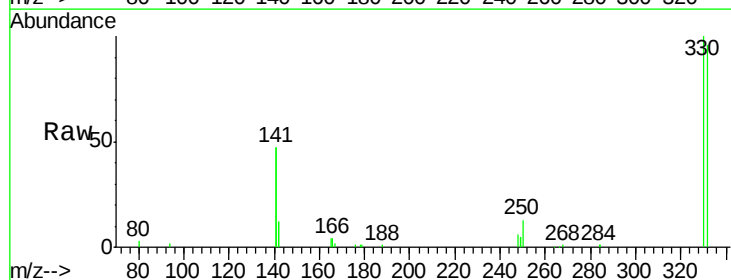
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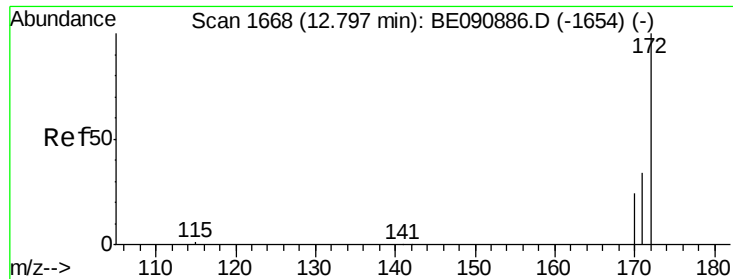
Tot Ion:164 Resp: 73833
Ion Ratio Lower Upper
164 100
162 105.5 86.8 130.2
160 57.0 53.9 80.9



#14
2,4,6-Tribromophenol
Concen: 8.70 ng
RT: 15.67 min Scan# 2051
Delta R.T. -0.02 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

Tgt Ion:330 Resp: 22662
Ion Ratio Lower Upper
330 100
332 97.0 74.9 112.3
141 175.2 145.2 217.8

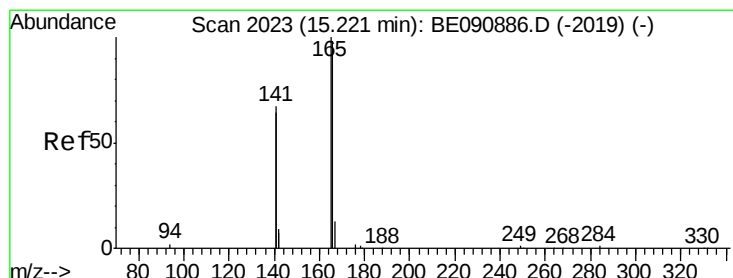
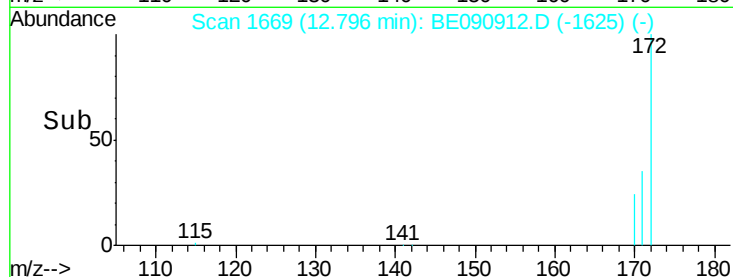
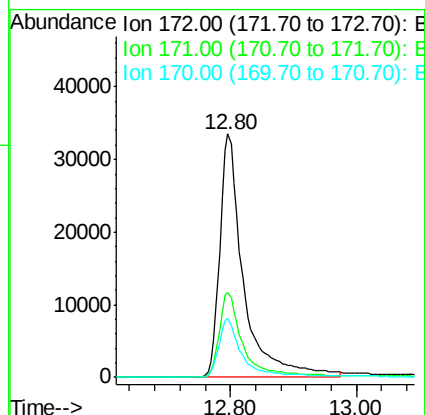
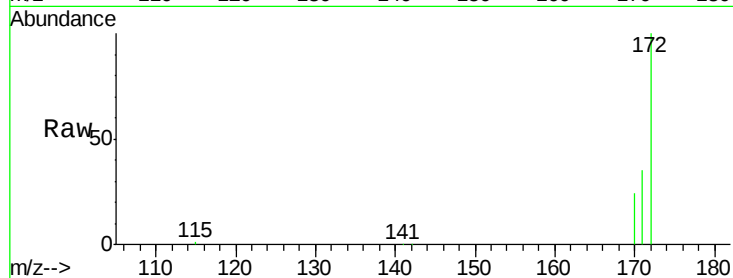




#15
2-Fluorobiphenyl
Concen: 4.17 ng
RT: 12.80 min Scan# 1669
Delta R.T. -0.00 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

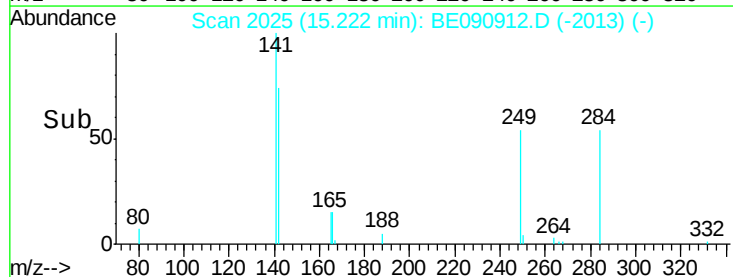
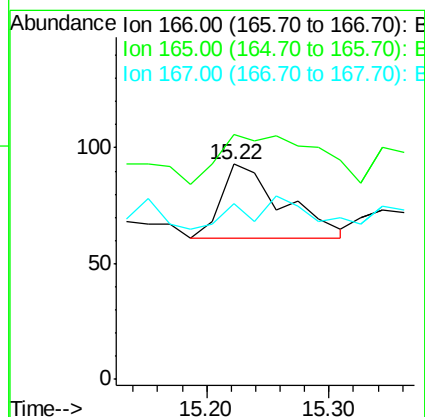
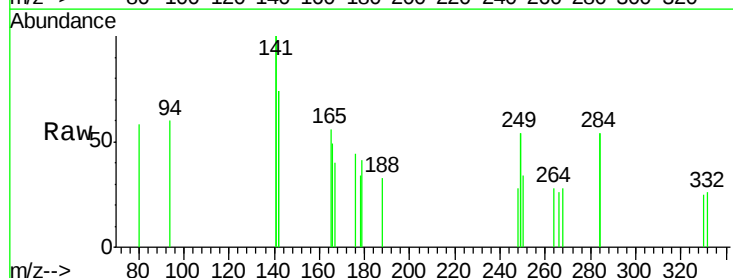
Instrument :
BNA_E
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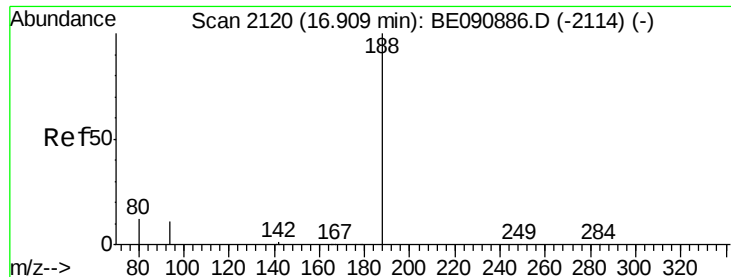
Tot Ion:172 Resp: 87346
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 24.1 19.8 29.6



#18
Fluorene
Concen: Below Cal
RT: 15.22 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

Tgt Ion:166 Resp: 112
Ion Ratio Lower Upper
166 100
165 115.2 82.7 124.1
167 0.0 10.7 16.1#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-S

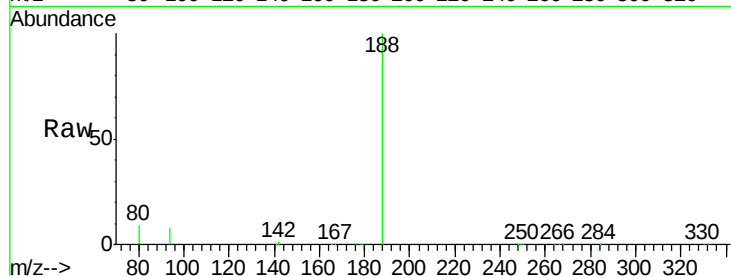
Tot Ion:188 Resp: 182658

Ion Ratio Lower Upper

188 100

94 8.5 10.3 15.5#

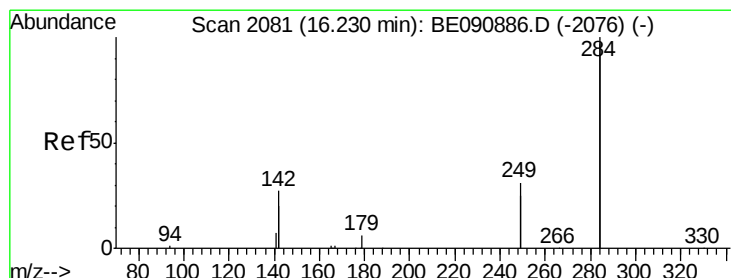
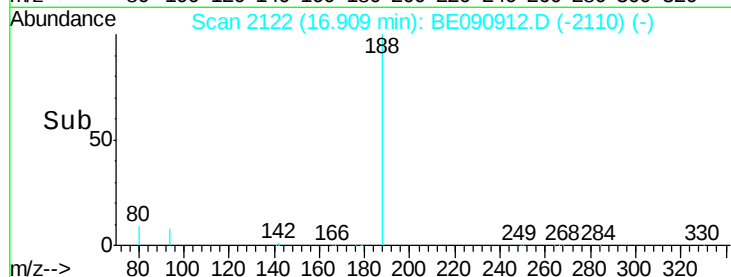
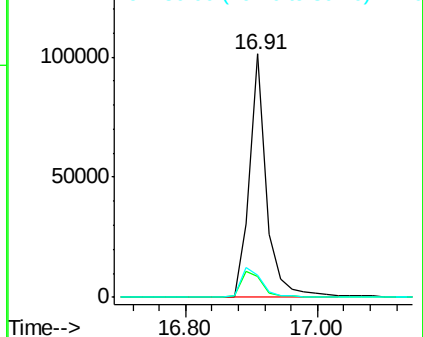
80 9.2 11.0 16.6#



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

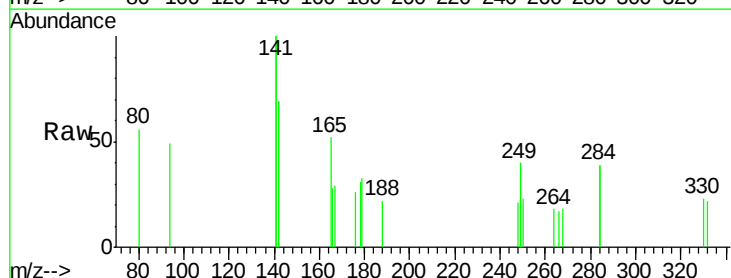
Tgt Ion:284 Resp: 96

Ion Ratio Lower Upper

284 100

142 121.9 35.0 52.4#

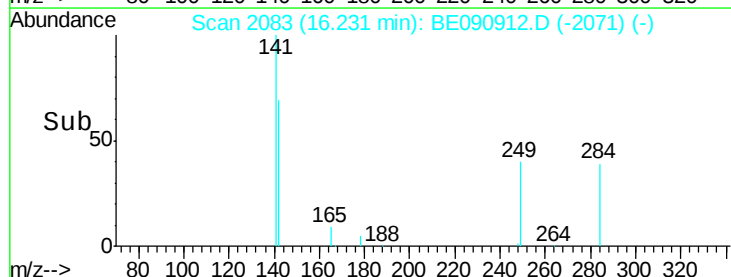
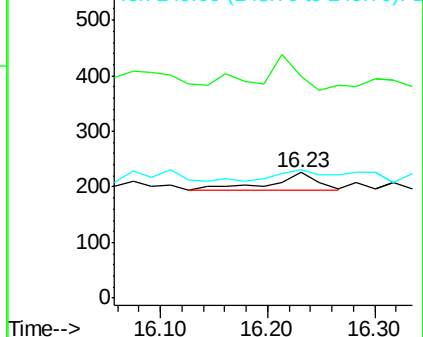
249 132.3 25.5 38.3#

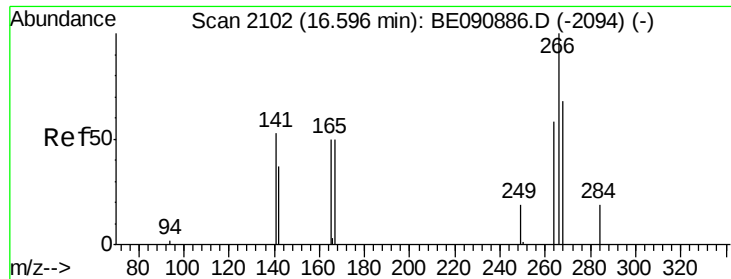


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

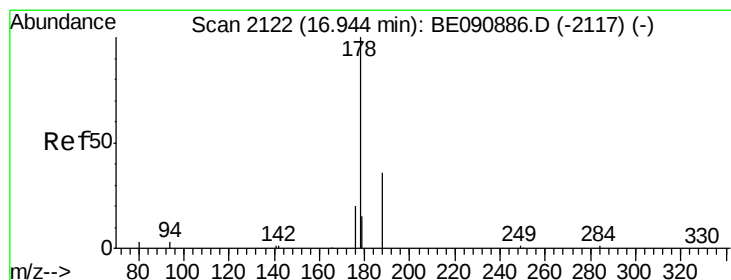
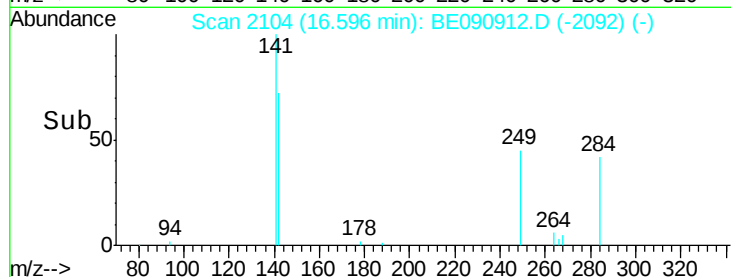
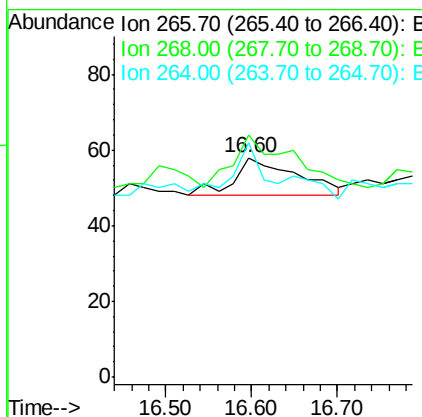
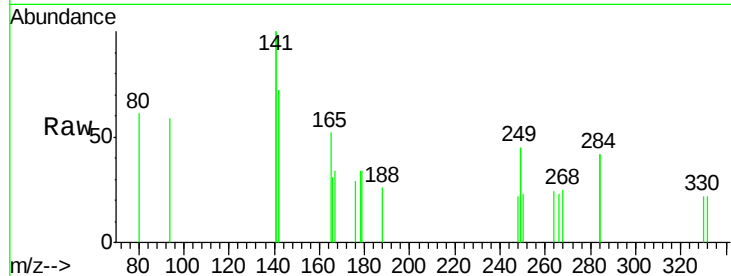




#22
 Pentachlorophenol
 Concen: 0.19 na
 RT: 16.60 min Scan# 2104
 Delta R.T. 0.00 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

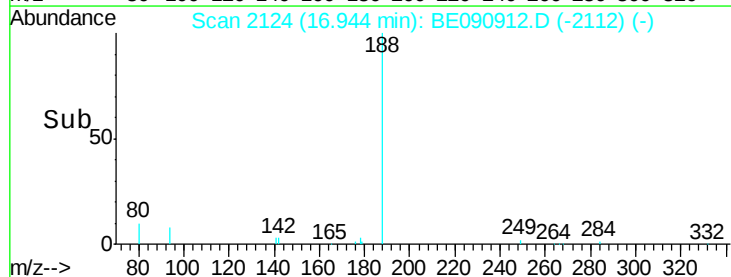
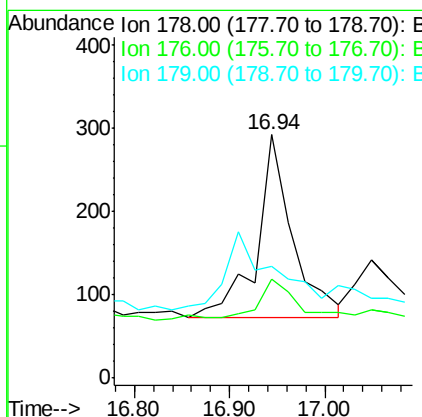
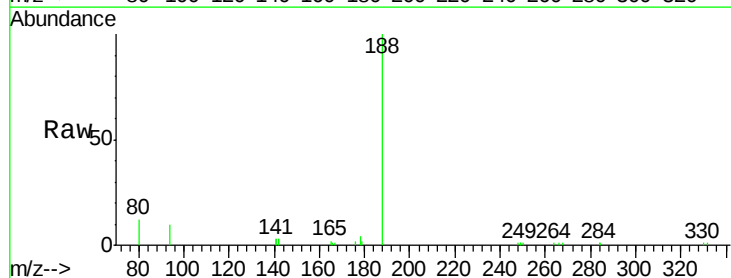
Instrument :
 BNA_E
 ClientSampleId :
 091615-D534-F-D-S

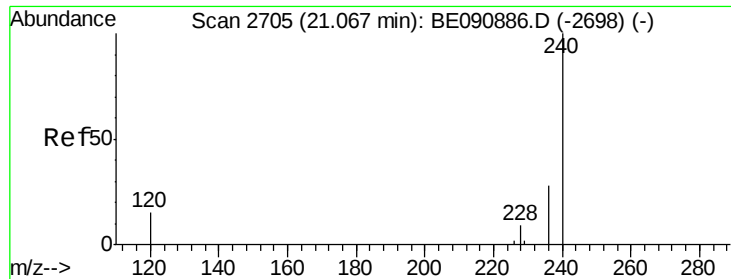
Tot Ion:266 Resp: 50
 Ion Ratio Lower Upper
 266 100
 268 110.3 49.6 74.4#
 264 106.9 53.9 80.9#



#23
 Phenanthrene
 Concen: Below Cal
 RT: 16.94 min Scan# 2124
 Delta R.T. 0.00 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

Tgt Ion:178 Resp: 565
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.6 23.4
 179 0.0 12.8 19.2#





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2706

Delta R.T. -0.00 min

Lab File: BE090912.D

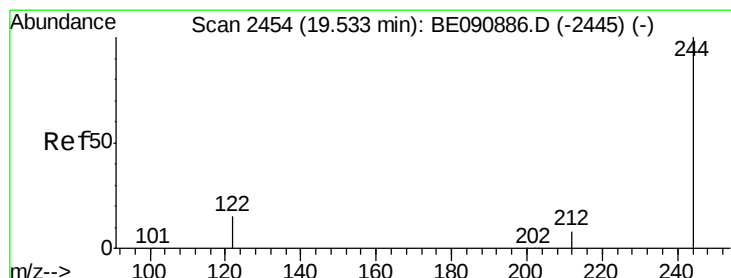
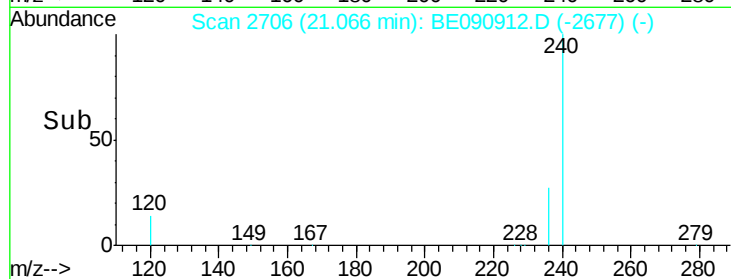
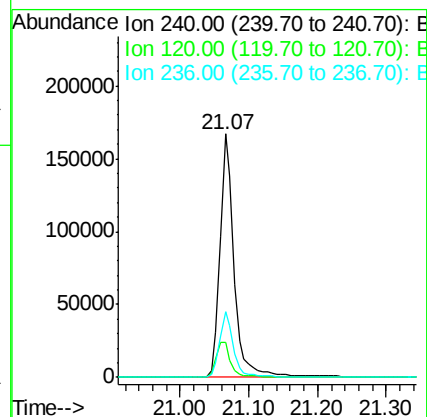
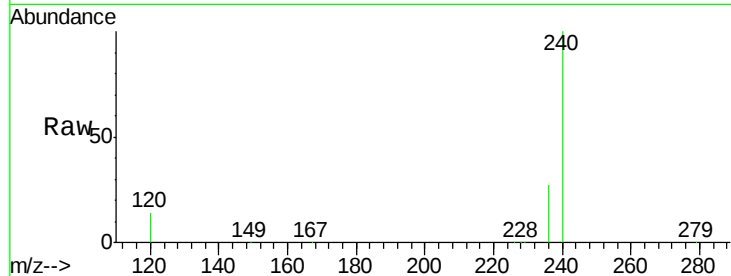
Acq: 21 Sep 2015 6:20

Instrument :
BNA_E

ClientSampleId :
091615-D534-F-D-S

Tot Ion:240 Resp: 238778

Ion	Ratio	Lower	Upper
240	100		
120	14.3	10.1	15.1
236	27.2	21.9	32.9



#28

Terphenyl-d14

Concen: 6.07 ng

RT: 19.52 min Scan# 2454

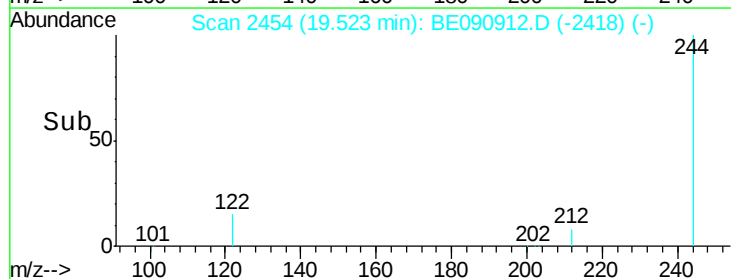
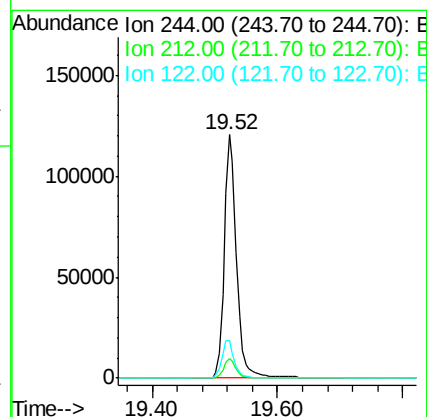
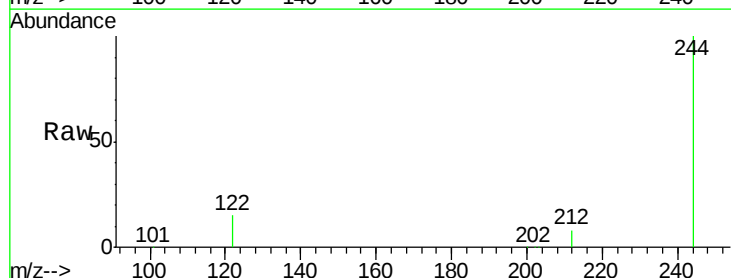
Delta R.T. -0.01 min

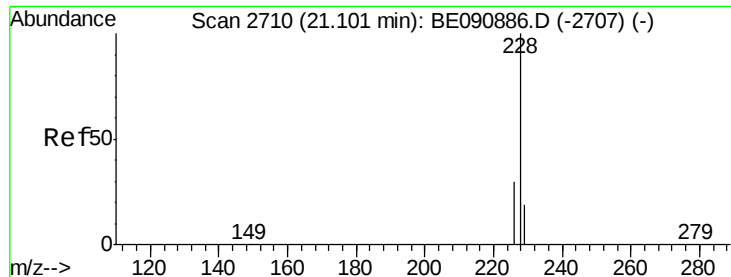
Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Tgt Ion:244 Resp: 163635

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.9	10.3
122	15.3	12.9	19.3





#30

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-S

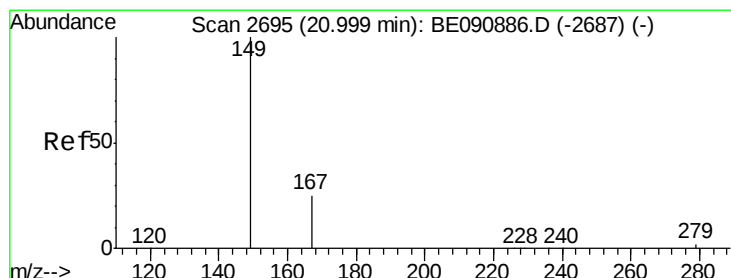
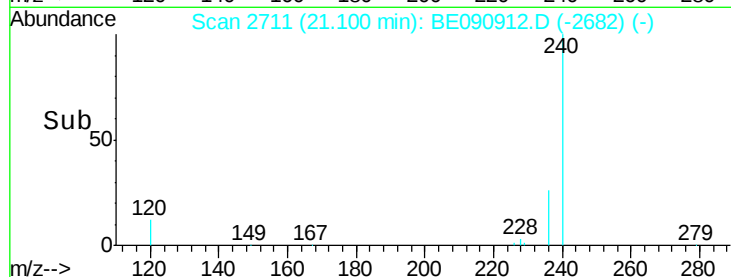
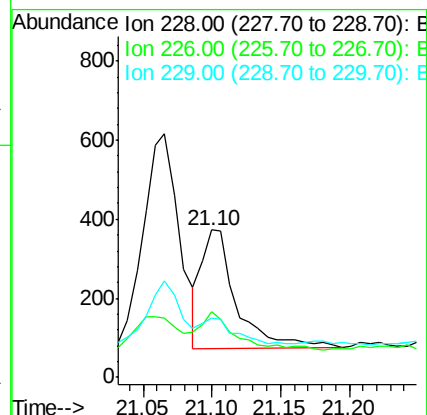
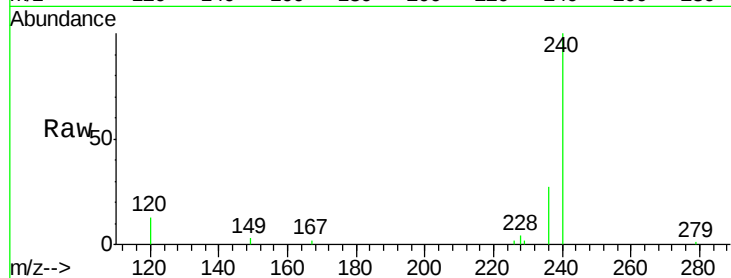
Tot Ion:228 Resp: 533

Ion Ratio Lower Upper

228 100

226 45.2 24.2 36.4#

229 40.6 15.3 22.9#



#31

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.00 min Scan# 2696

Delta R.T. -0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

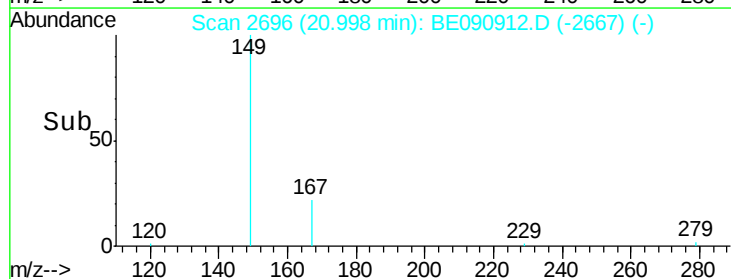
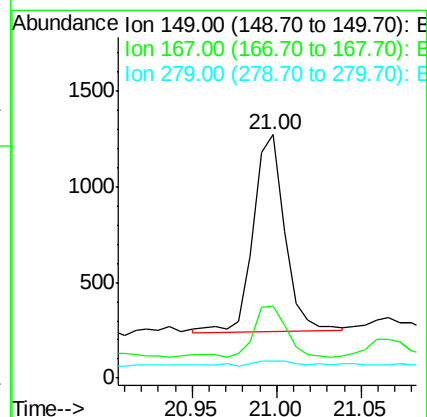
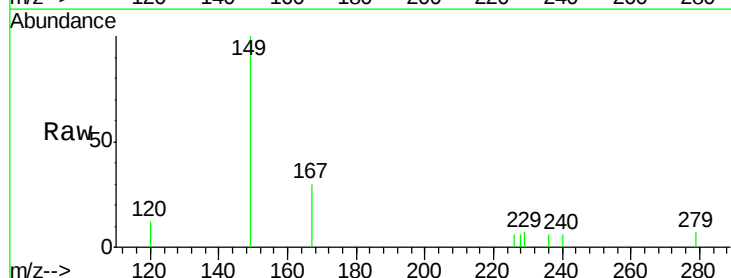
Tgt Ion:149 Resp: 1321

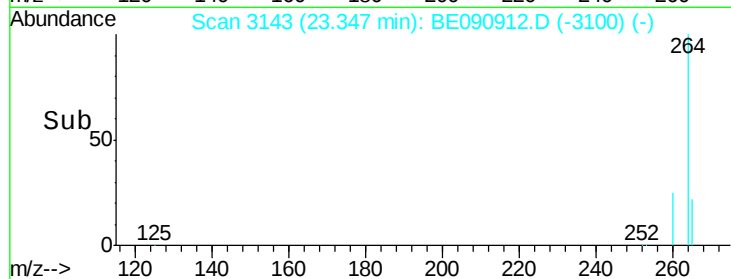
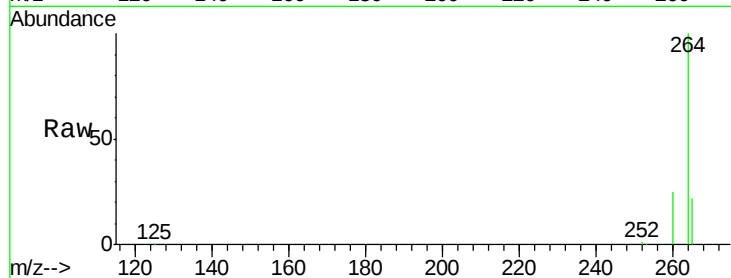
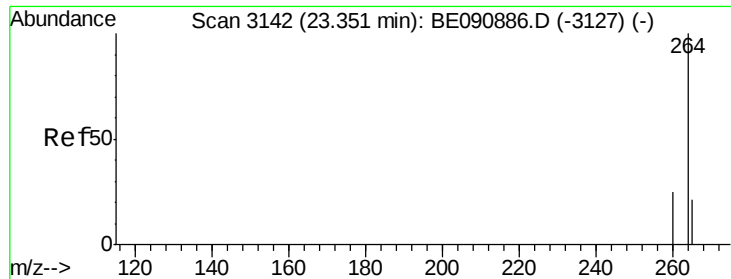
Ion Ratio Lower Upper

149 100

167 26.3 20.1 30.1

279 3.2 2.3 3.5





#33

Pervlene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BE090912.D

Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampleId :

091615-D534-F-D-S

Tot Ion:264 Resp: 221612

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

265 21.9 17.5 26.3

