

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 :

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

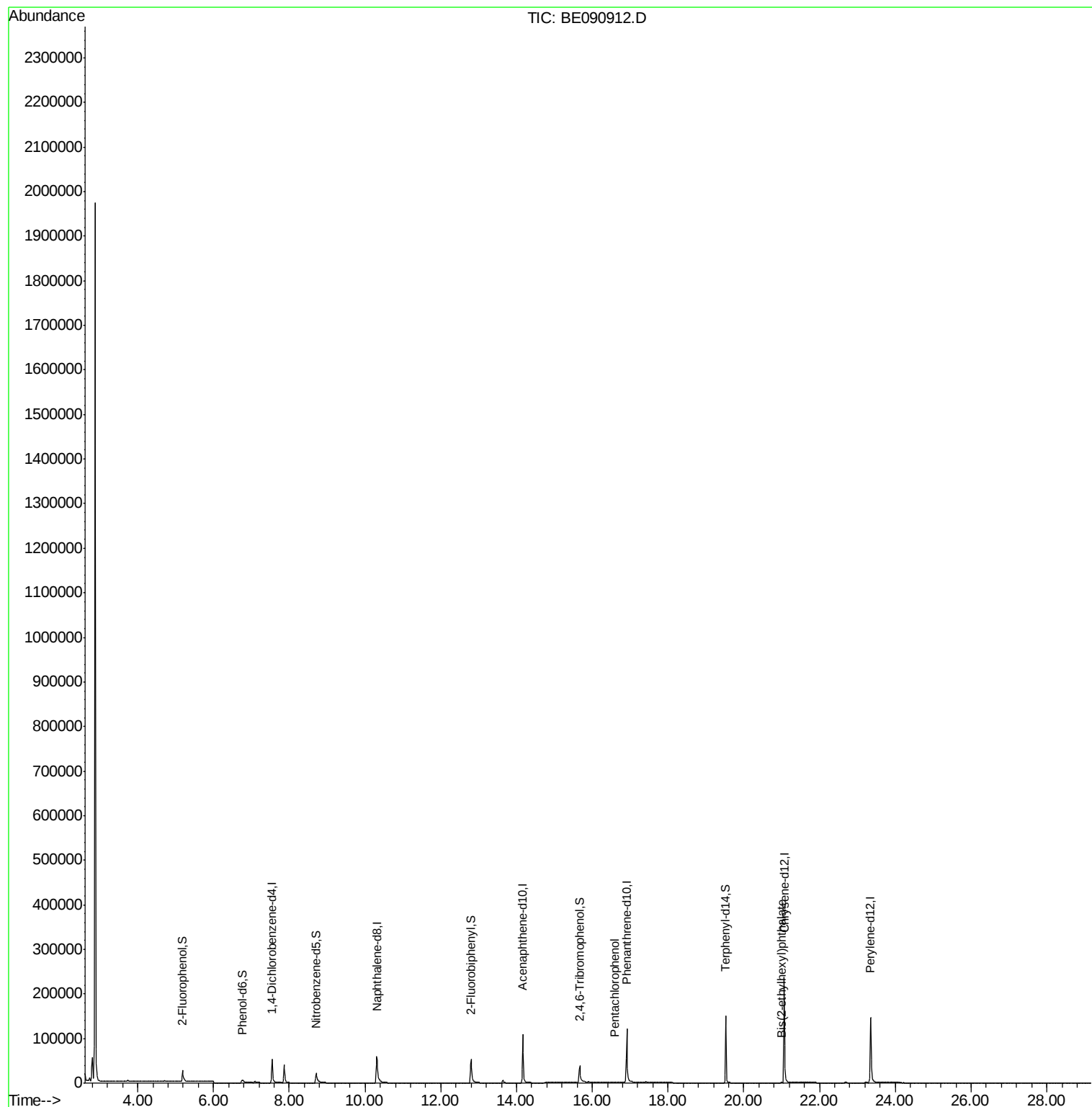
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	120	Below Cal	#	15
3) n-Nitrosodimethylamine	3.39	42	33	Below Cal	#	6
6) bis(2-Chloroethyl)ether	6.95	93	14	Below Cal	#	1
10) Naphthalene	10.36	128	127	Below Cal	#	1
11) Hexachlorobutadiene	10.68	225	6	Below Cal	#	64
18) Fluorene	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

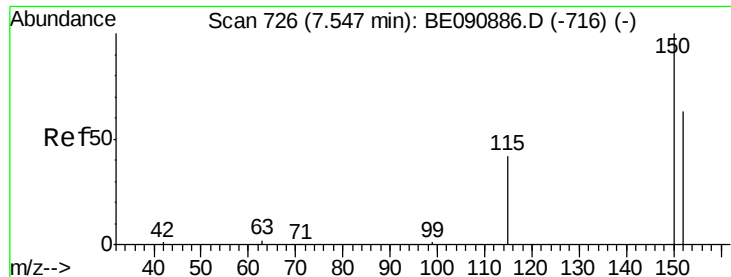
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

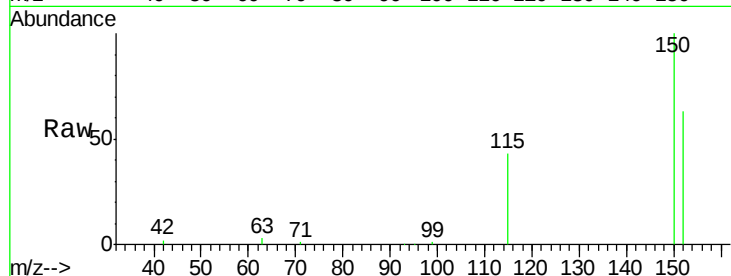
Tot Ion:152 Resp: 32775

Ion Ratio Lower Upper

152 100

150 157.9 122.2 183.4

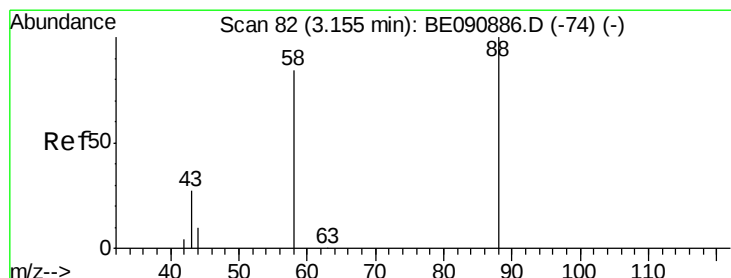
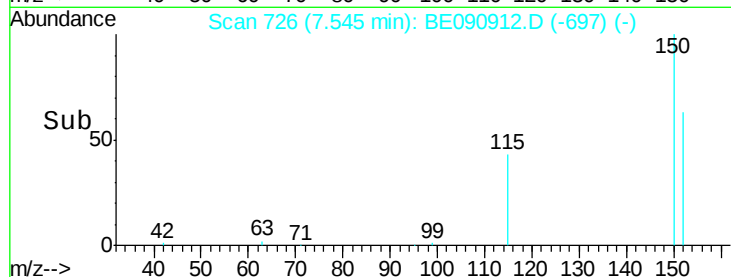
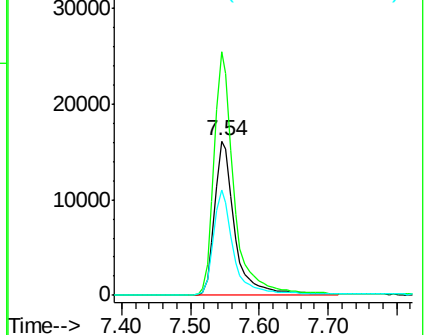
115 68.1 51.0 76.4



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

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

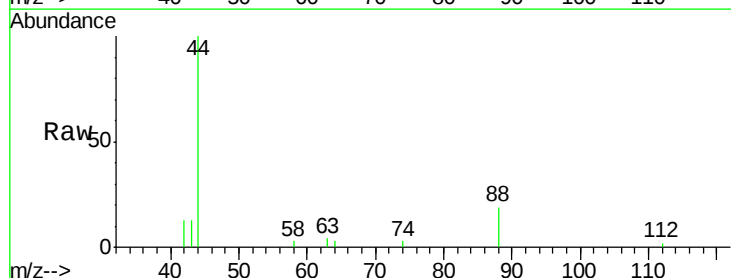
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

58 41.7 68.4 102.6#

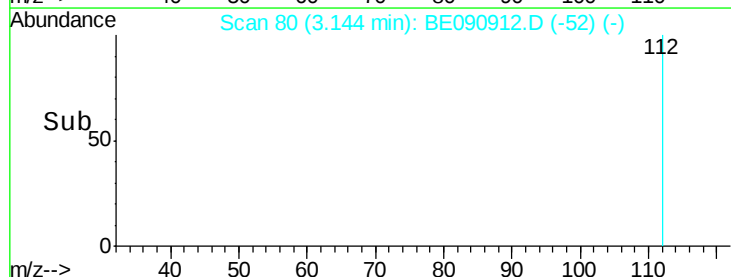
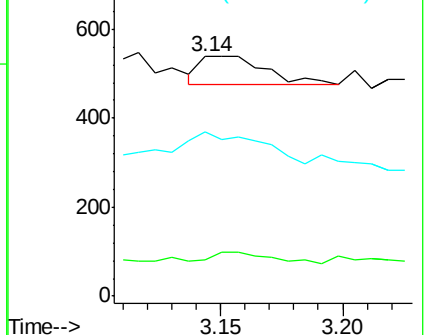
43 136.7 26.9 40.3#

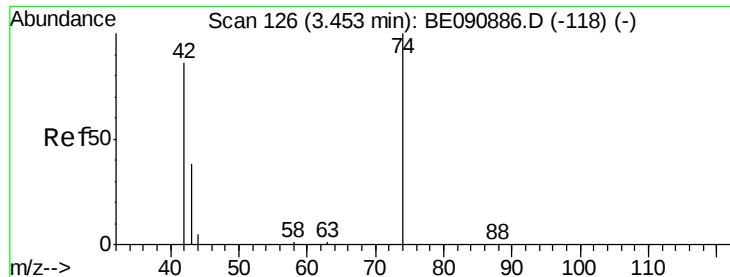


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



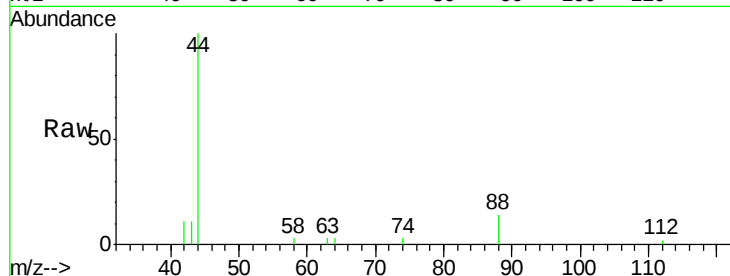


#3

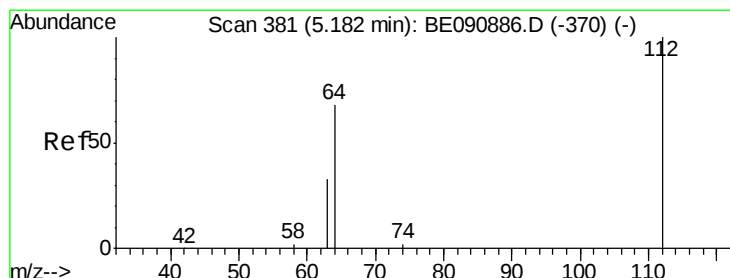
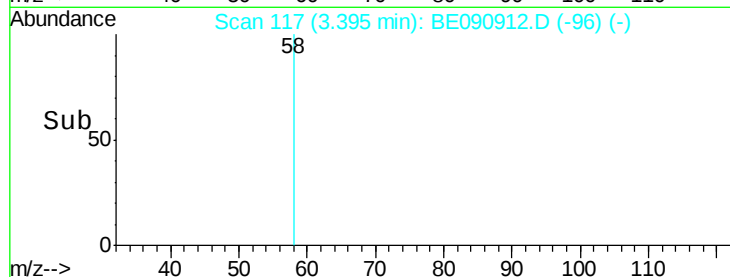
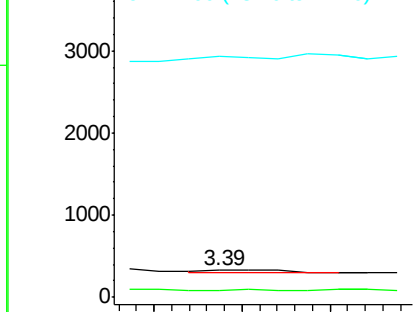
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.39 min Scan# 117
 Delta R.T. -0.06 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

Instrument :
 BNA_E
 ClientSampleId :

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#



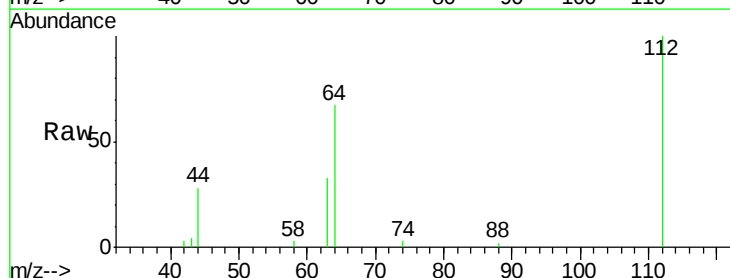
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



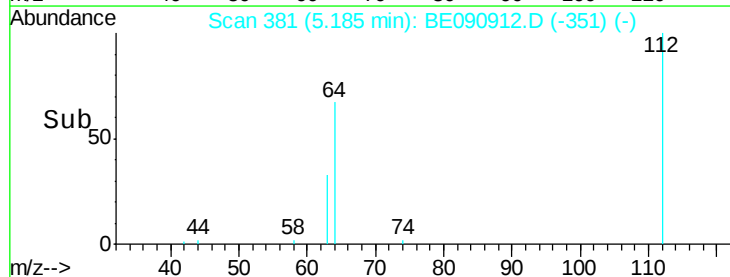
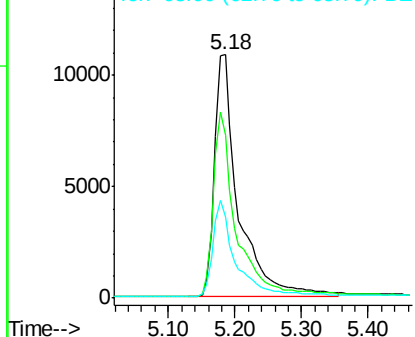
#4

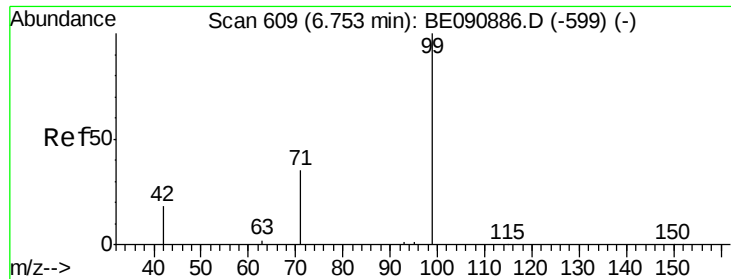
2-Fluorophenol
 Concen: 3.65 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

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 :

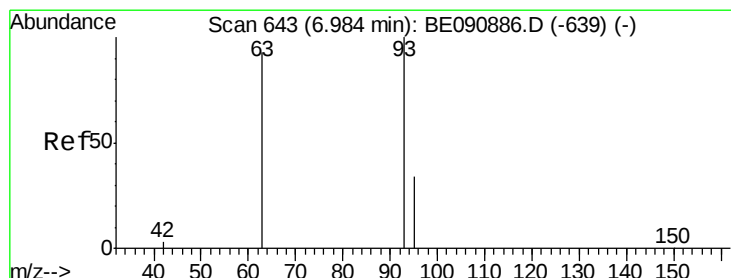
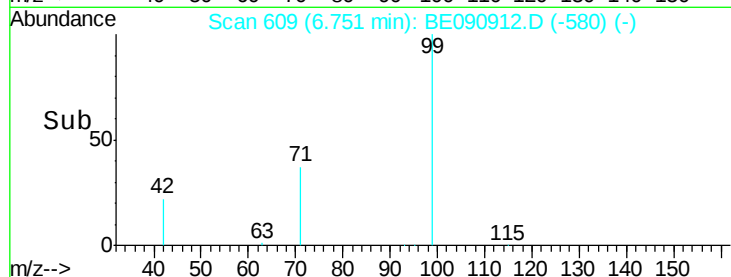
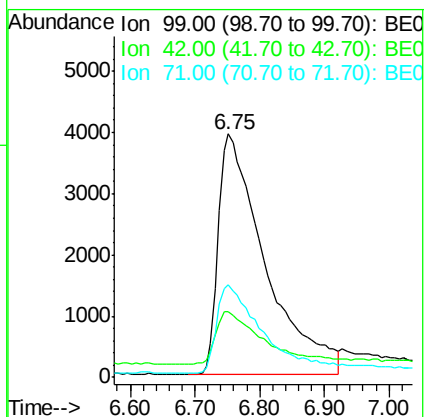
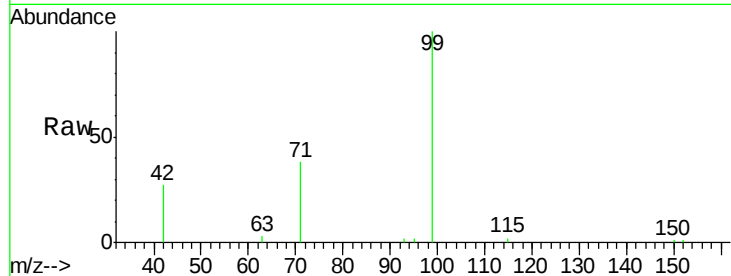
Tot Ion: 99 Resp: 19713

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

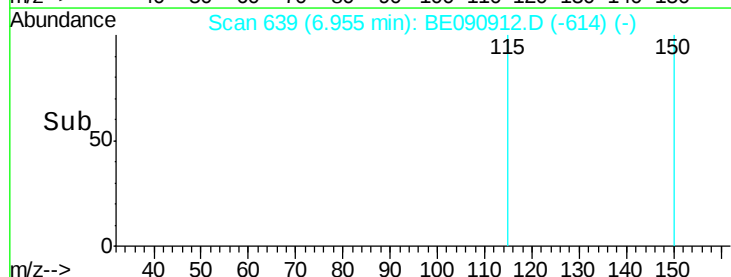
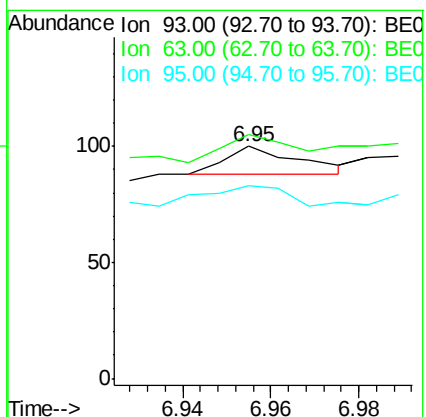
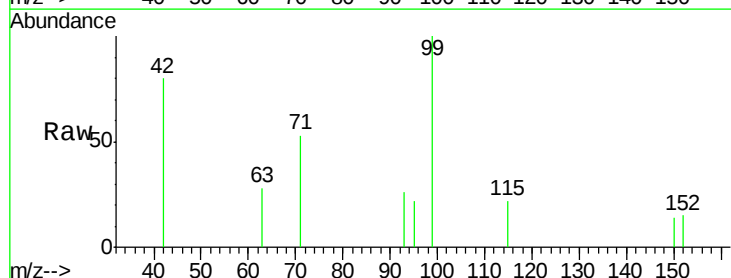
Tgt Ion: 93 Resp: 14

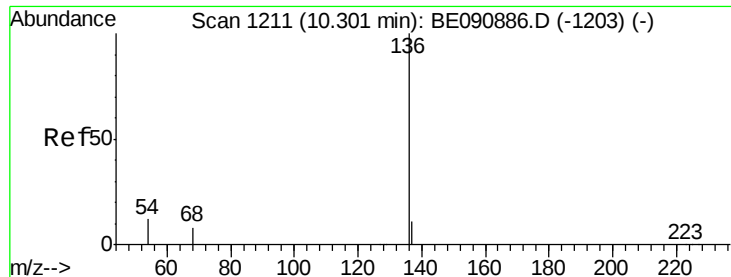
Ion Ratio Lower Upper

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 :

Tot Ion:136 Resp: 138198

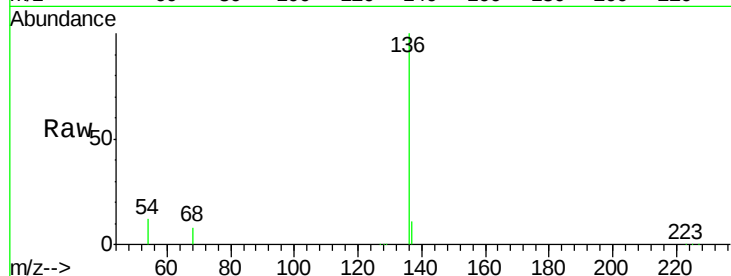
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.6 9.0 13.6

68 8.4 6.3 9.5

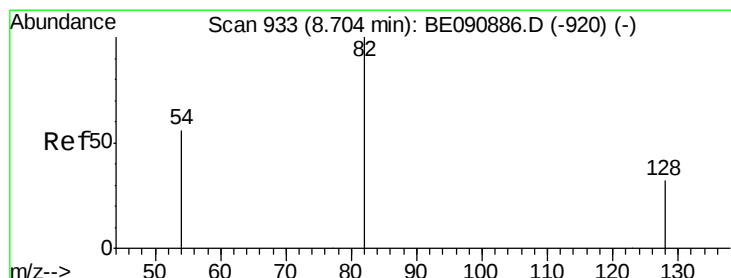
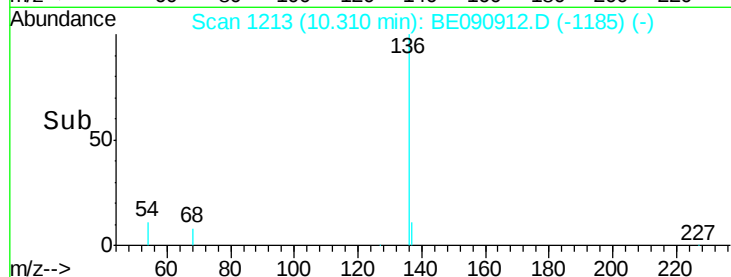
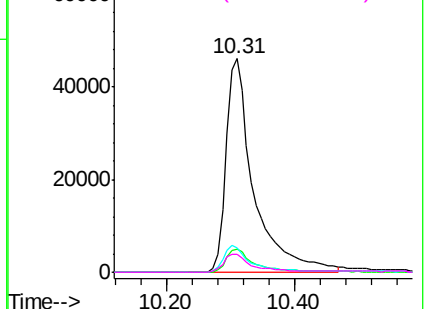


Abundance Ion 136.00 (135.70 to 136.70): E

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

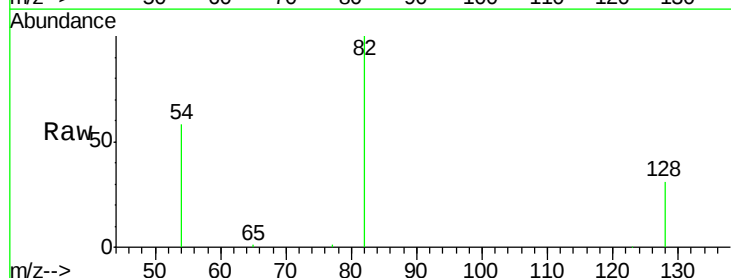
Tgt Ion: 82 Resp: 41469

Ion Ratio Lower Upper

82 100

128 31.0 25.0 37.4

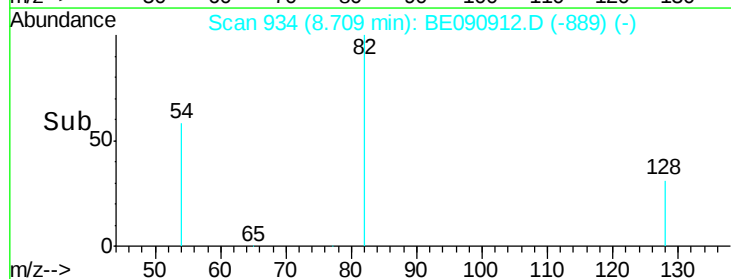
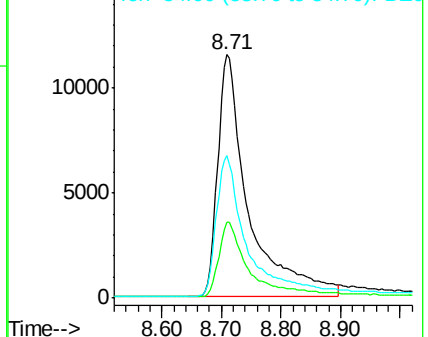
54 58.4 46.3 69.5

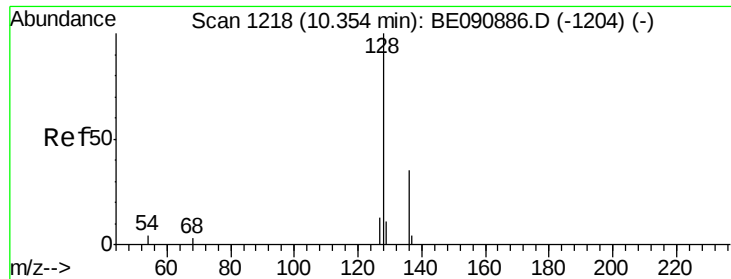


Abundance Ion 82.00 (81.70 to 82.70): BE0

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

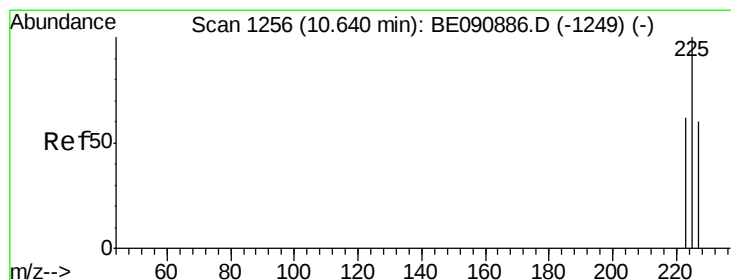
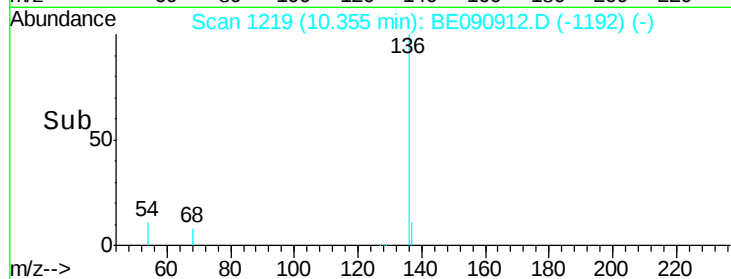
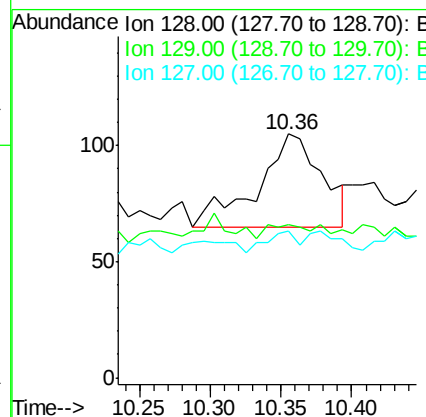
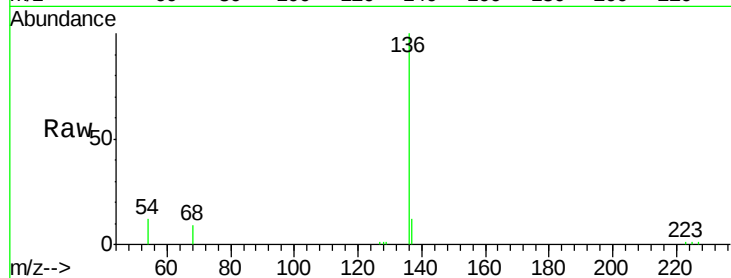
Acq: 21 Sep 2015 6:20

Instrument :

BNA_E

ClientSampled :

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#



#11

Hexachlorobutadiene

Concen: Below Cal

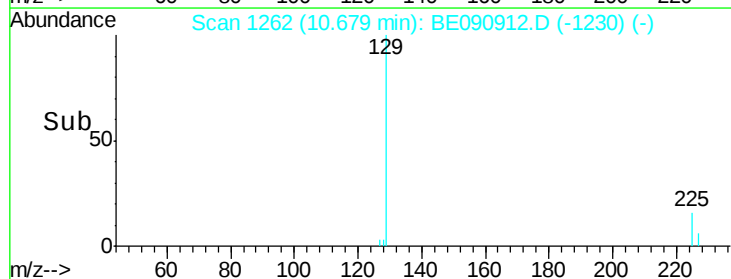
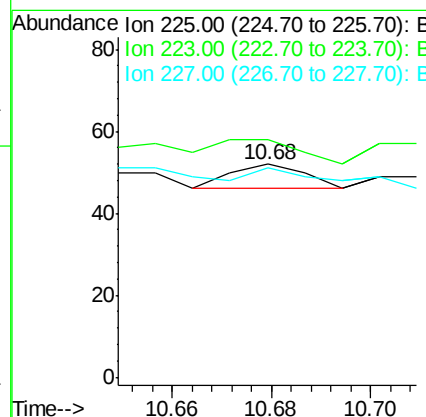
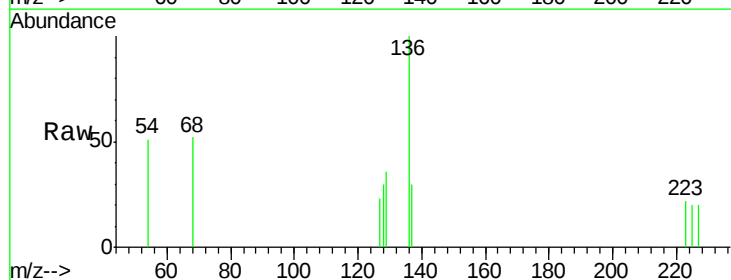
RT: 10.68 min Scan# 1262

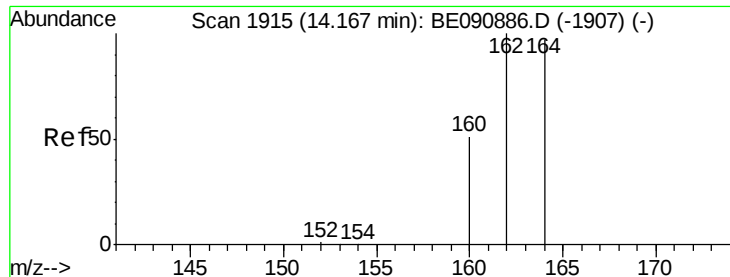
Delta R.T. 0.04 min

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

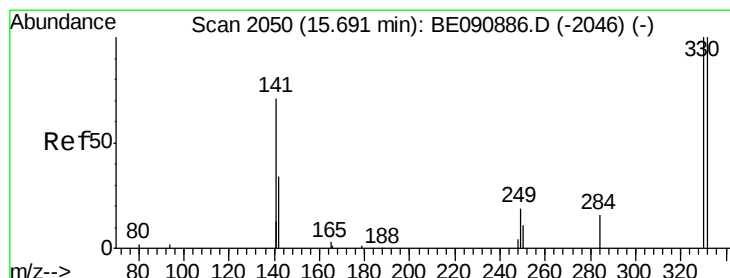
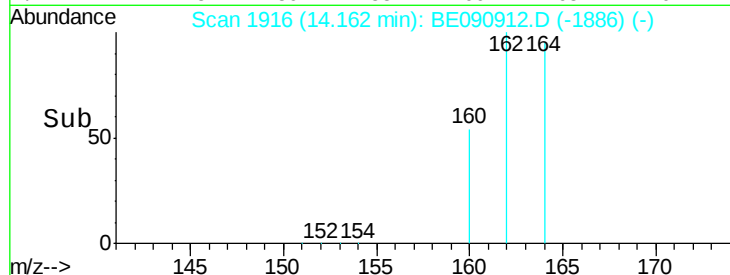
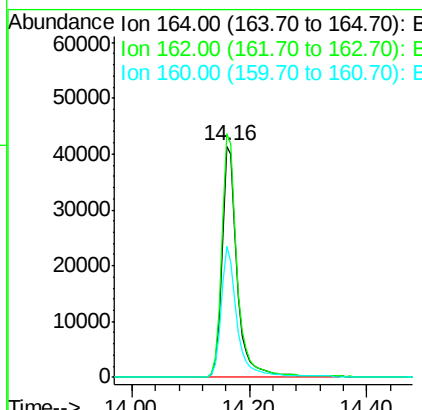
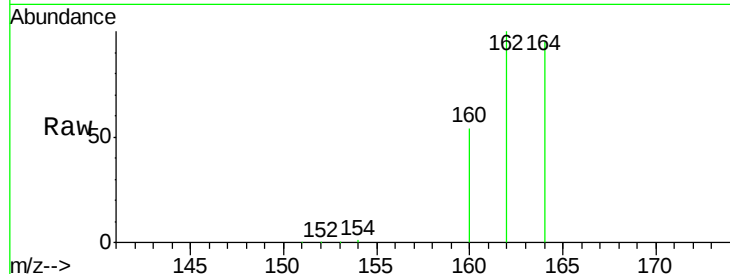




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.16 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

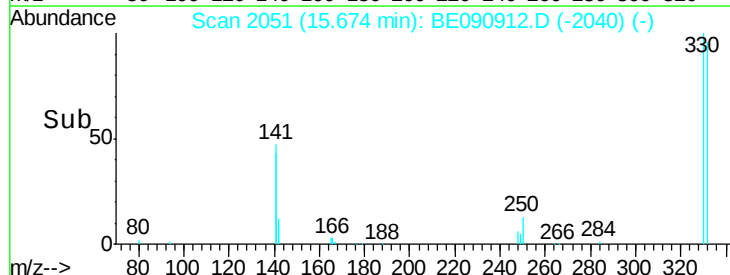
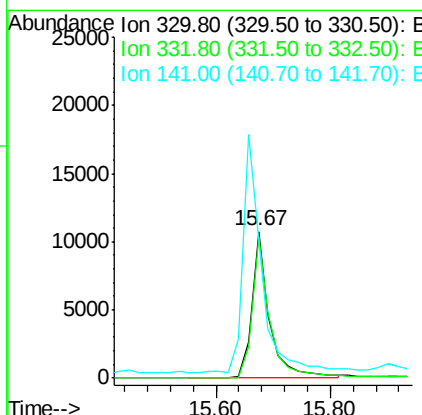
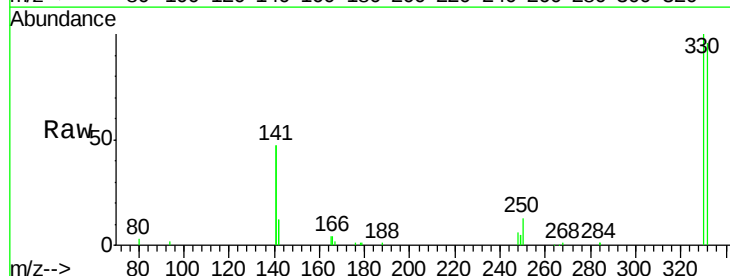
Instrument :
 BNA_E
 ClientSampled :

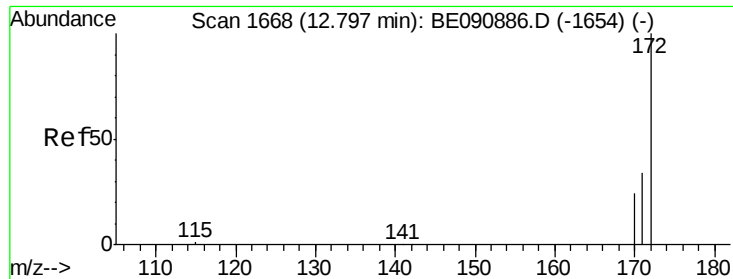
Tot Ion:164 Resp: 73833
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.8 130.2
 160 57.0 53.9 80.9



#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

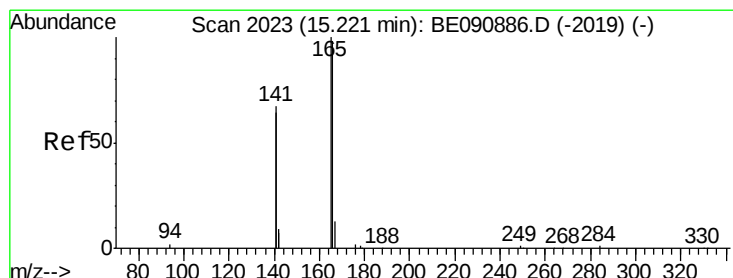
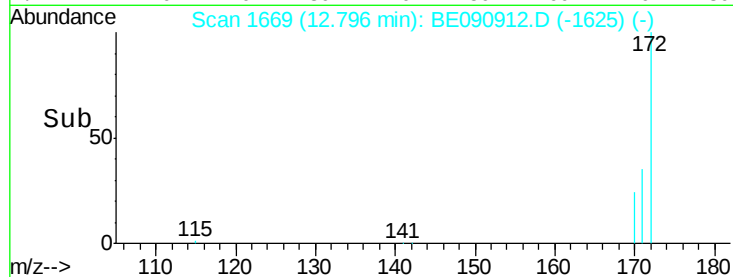
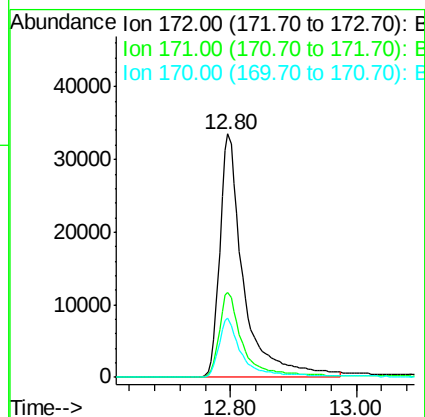
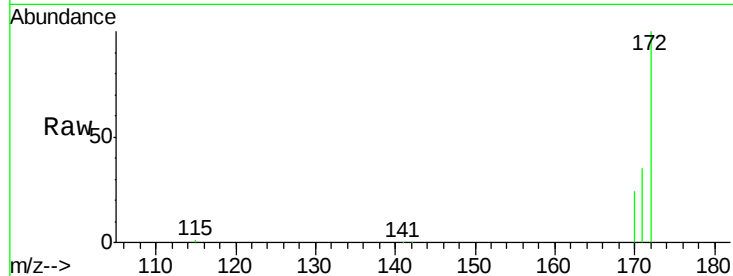




#15
2-Fluorobiphenyl
Concen: 4.17 ng
RT: 12.80 min Scan# 1669
Delta R.T. -0.00 min
Lab File: BE090912.D
Acq: 21 Sep 2015 6:20

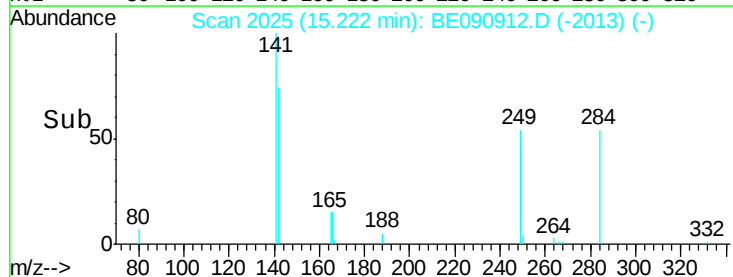
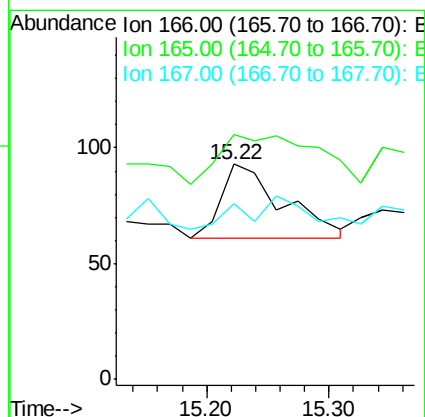
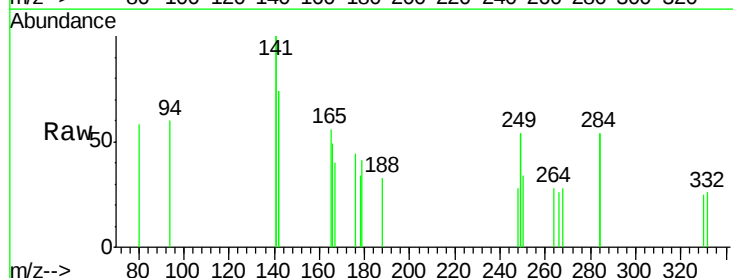
Instrument :
BNA_E
ClientSampleId :

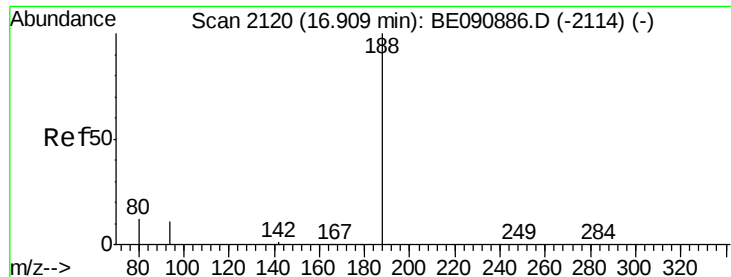
Tot Ion:172 Resp: 87346
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 24.1 19.8 29.6



#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 :

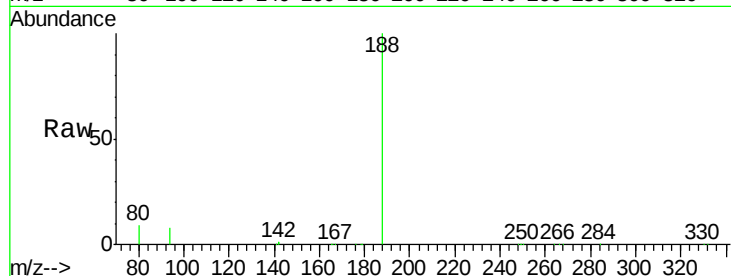
Tot Ion:188 Resp: 182658

Ion Ratio Lower Upper

188 100

94 8.5 10.3 15.5#

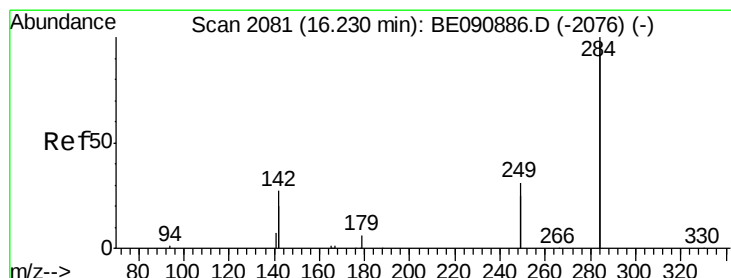
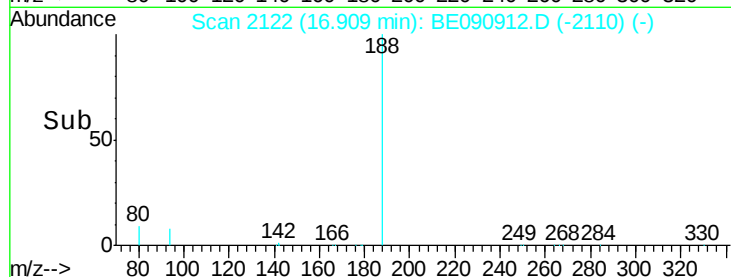
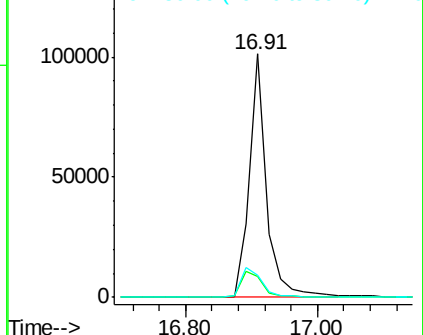
80 9.2 11.0 16.6#



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

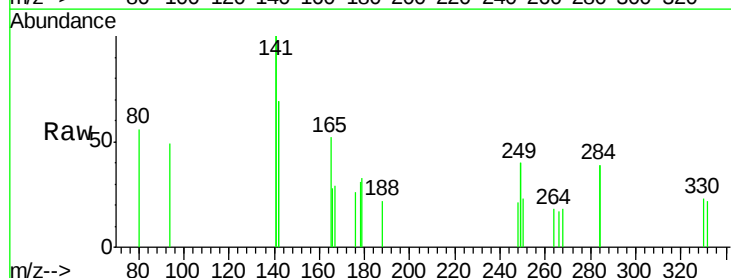
Tgt Ion:284 Resp: 96

Ion Ratio Lower Upper

284 100

142 121.9 35.0 52.4#

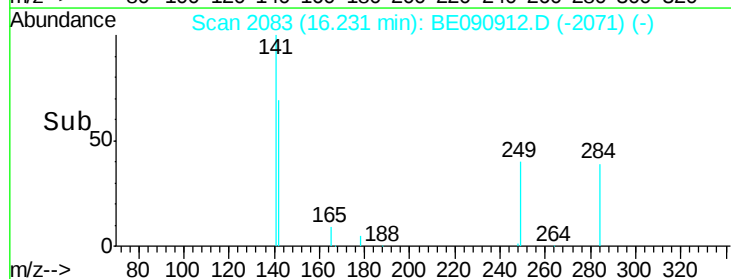
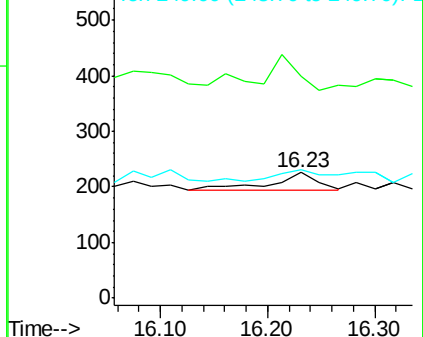
249 132.3 25.5 38.3#

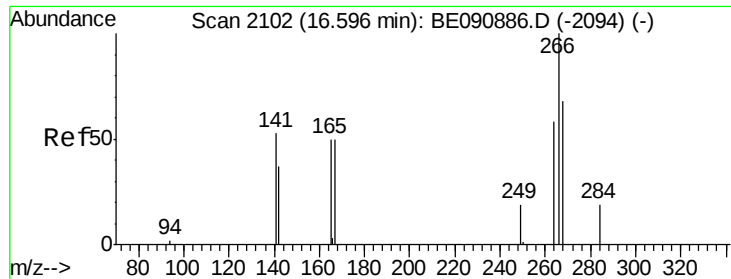


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

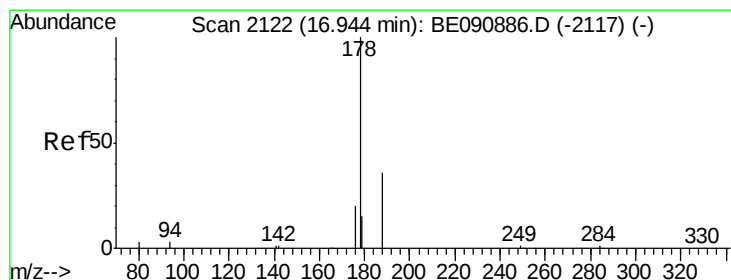
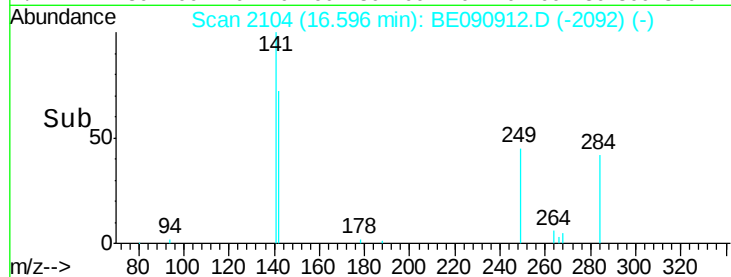
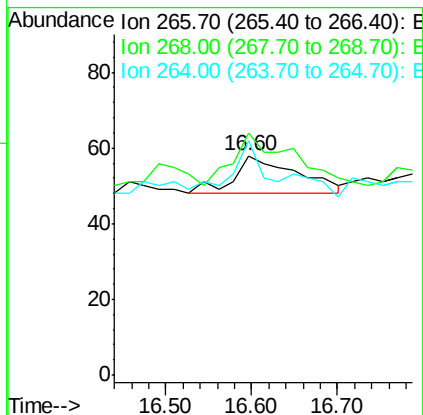
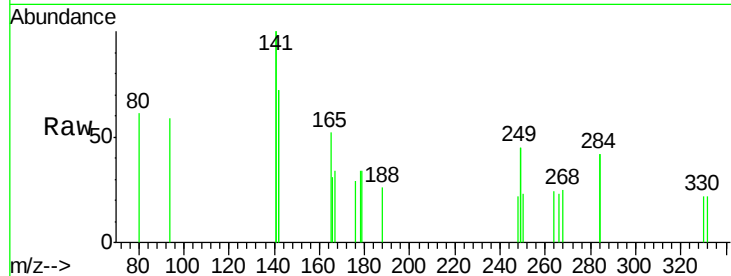




#22
 Pentachlorophenol
 Concen: 0.19 ng
 RT: 16.60 min Scan# 2104
 Delta R.T. 0.00 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

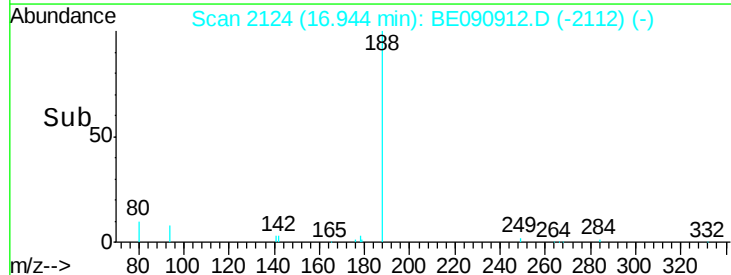
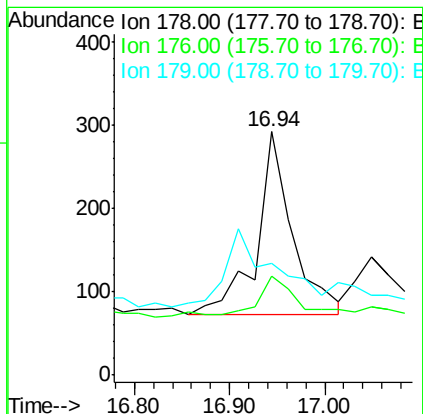
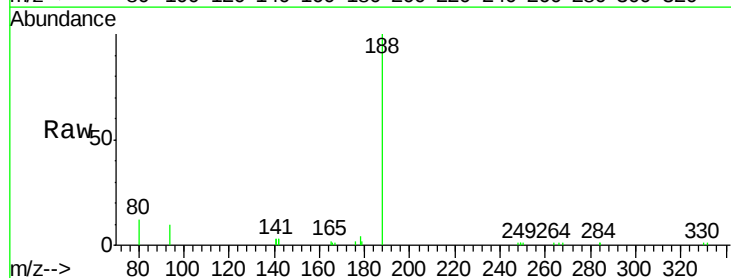
Instrument :
 BNA_E
 ClientSampleId :

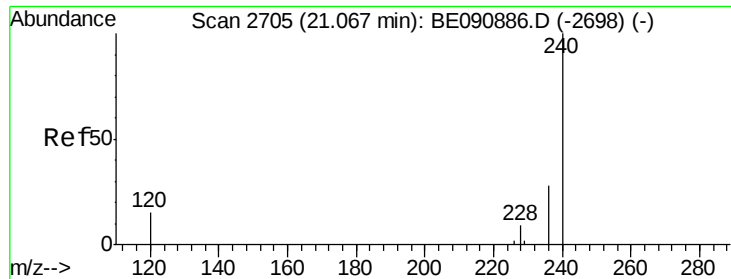
Tot Ion:266 Resp: 50
 Ion Ratio Lower Upper
 266 100
 268 110.3 49.6 74.4#
 264 106.9 53.9 80.9#



#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#

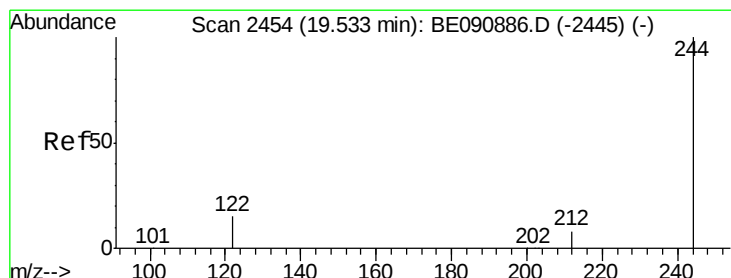
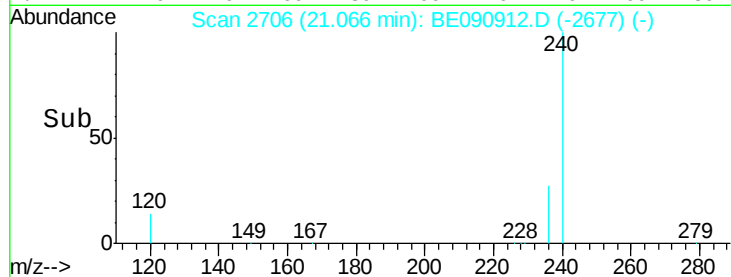
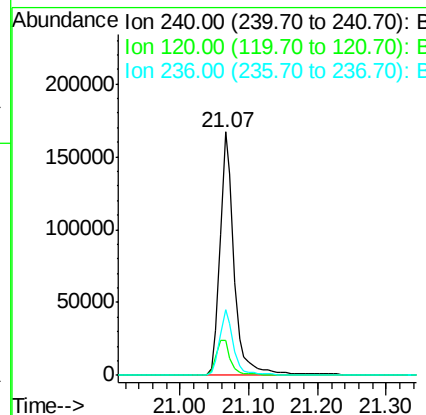
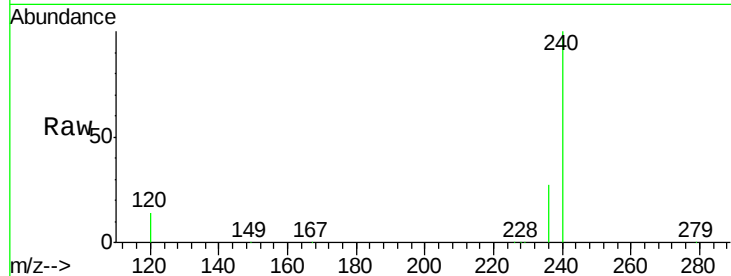




#26
 Chrvsene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2706
 Delta R.T. -0.00 min
 Lab File: BE090912.D
 Acq: 21 Sep 2015 6:20

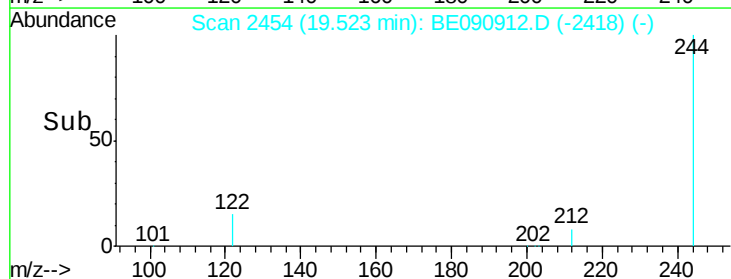
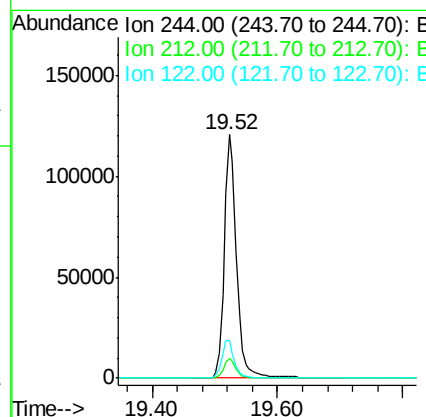
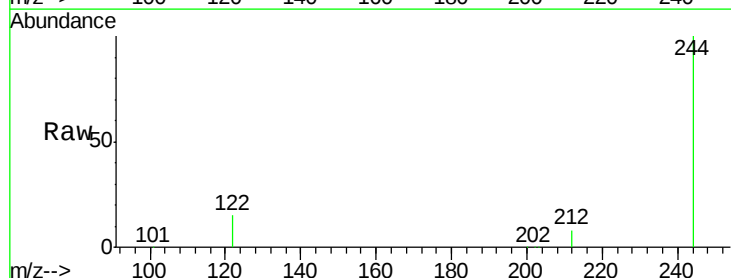
Instrument :
 BNA_E
 ClientSampleId :

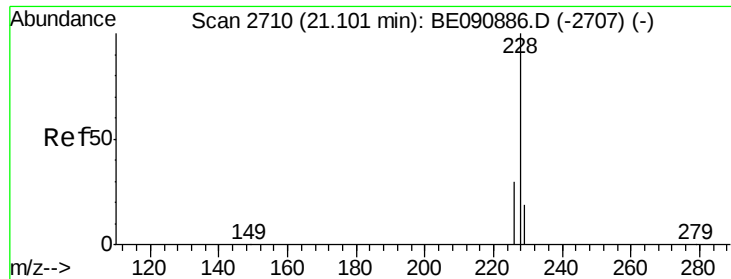
Tot Ion:240 Resp: 238778
 Ion Ratio Lower Upper
 240 100
 120 14.3 10.1 15.1
 236 27.2 21.9 32.9



#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 :

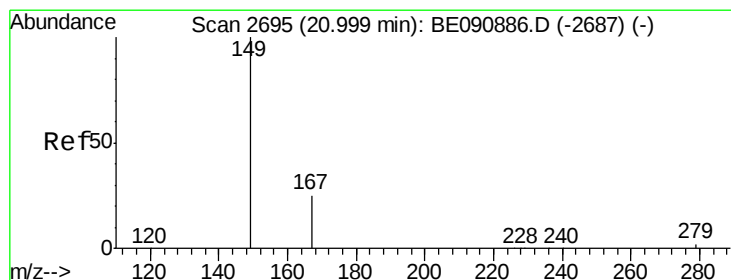
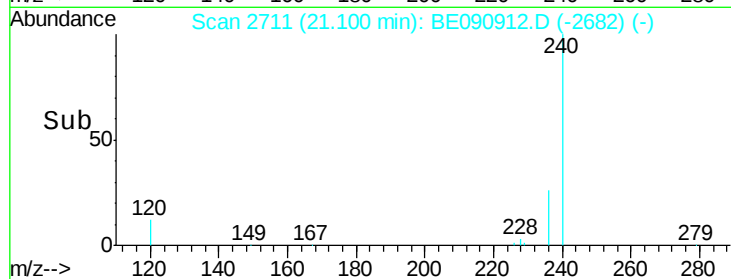
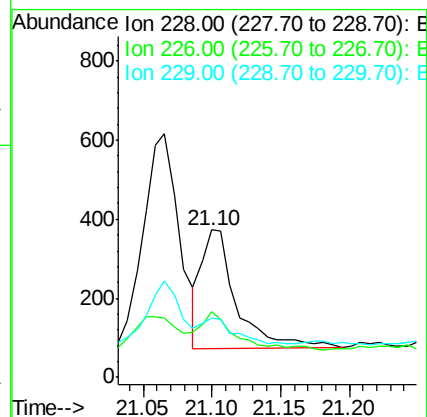
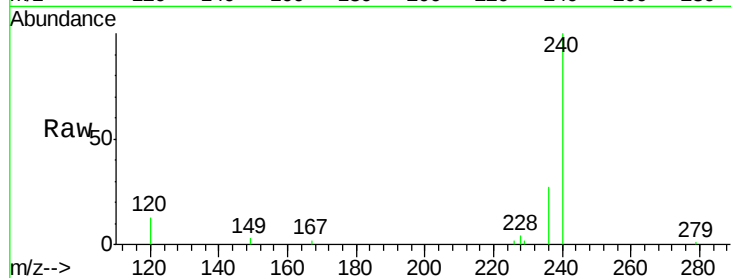
Tot Ion:228 Resp: 533

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

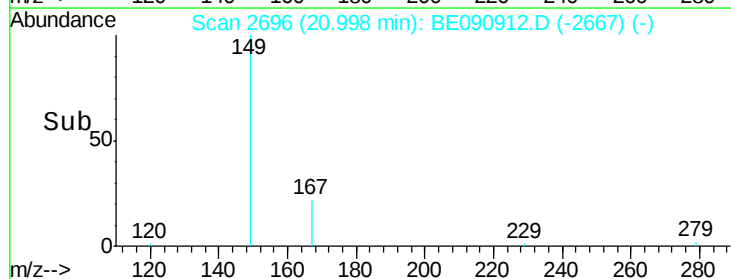
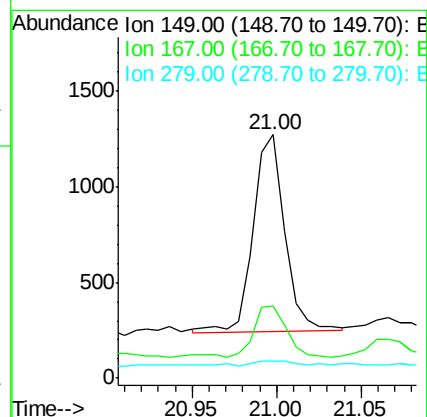
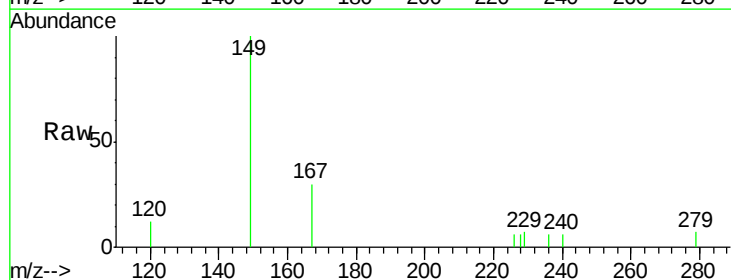
Tgt Ion:149 Resp: 1321

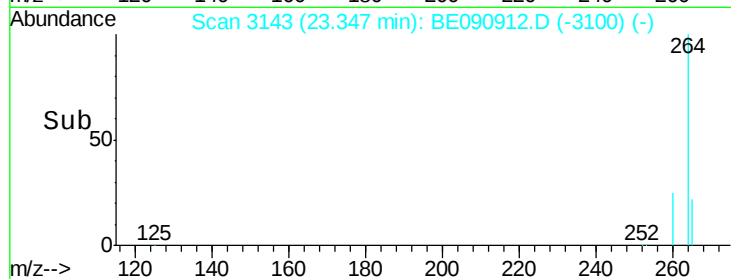
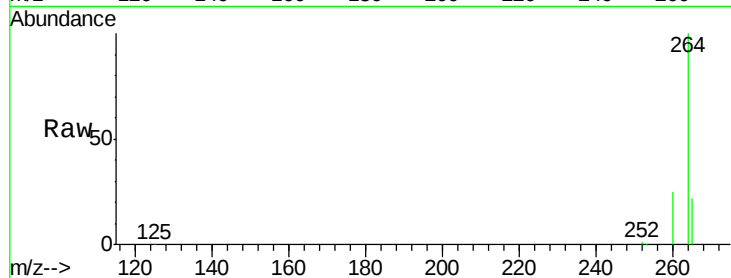
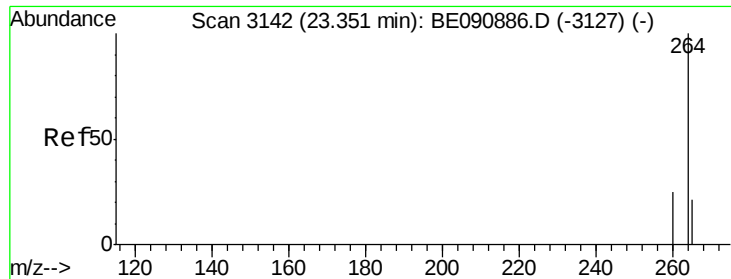
Ion Ratio Lower Upper

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 :

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

