

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092026.D
 Acq On : 23 Jul 2016 3:49
 Operator : UM/SJ
 Sample : PB92324BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92324BL

Quant Time: Jul 23 04:48:36 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

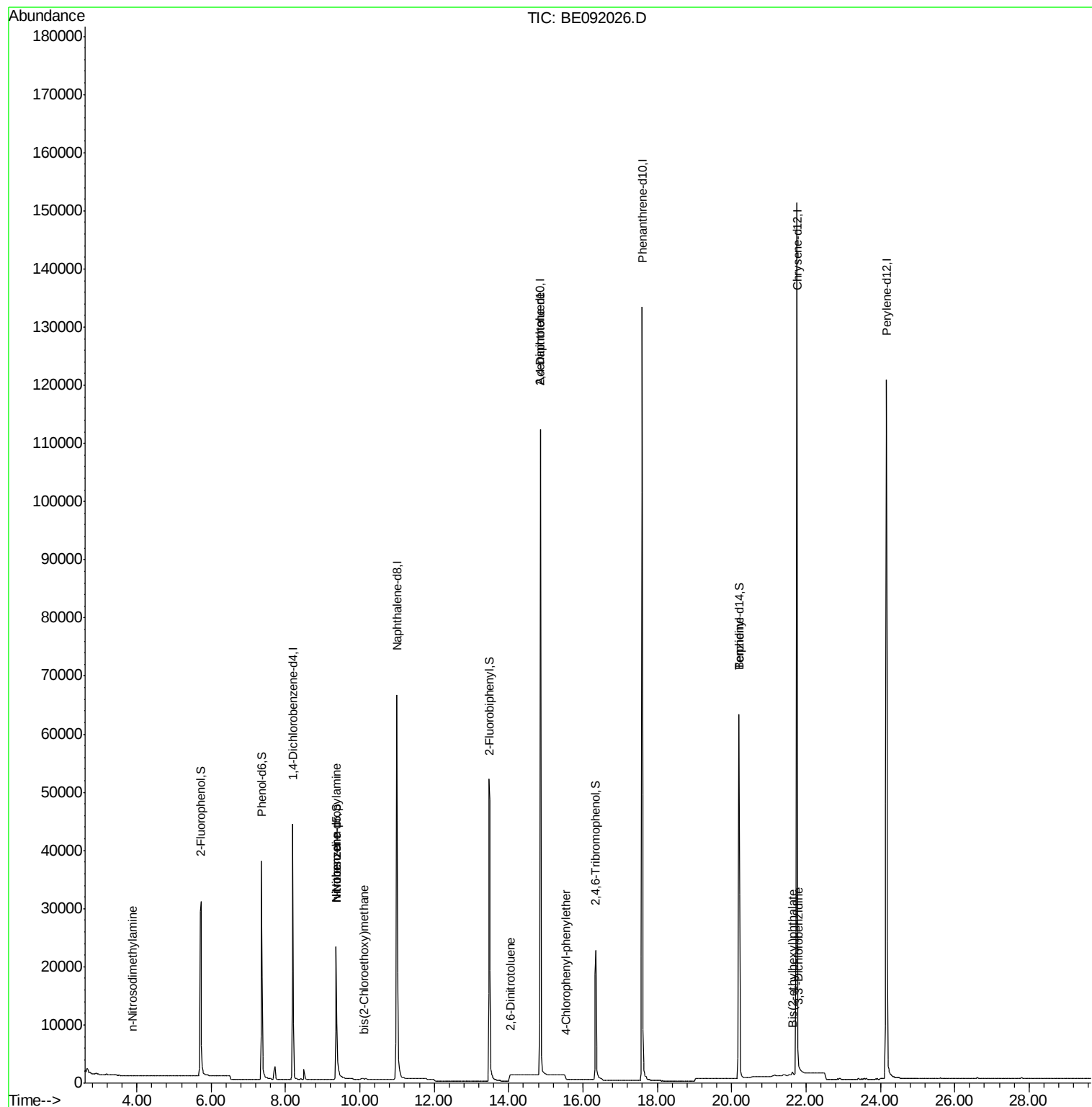
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	23847	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	113403	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	76120	5.00	ng	0.00
24) Phenanthrene-d10	17.60	188	186055	5.00	ng	0.00
31) Chrysene-d12	21.76	240	220578	5.00	ng	0.00
40) Perylene-d12	24.16	264	188287	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	33525	7.25	ng	0.00
5) Phenol-d6	7.35	99	46438	5.68	ng	-0.02
9) Nitrobenzene-d5	9.36	82	25398	3.72	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	13752	5.27	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	67198	3.36	ng	0.00
34) Terphenyl-d14	20.20	244	107753	4.86	ng	-0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.89	42	34	0.09	ng	# 1
7) n-Nitroso-di-n-propylamine	9.36	70	3101	0.53	ng	# 90
10) Nitrobenzene	9.36	77	98	0.14	ng	# 36
11) bis(2-Chloroethoxy)methane	10.12	93	557	0.07	ng	# 1
19) 2,6-Dinitrotoluene	14.04	165	1593	0.24	ng	# 38
21) 2,4-Dinitrotoluene	14.86	165	42763	2.18	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	521	0.04	ng	# 77
32) Benzidine	20.20	184	2165	0.38	ng	# 86
36) 3,3'-Dichlorobenzidine	21.79	252	45	0.02	ng	# 81
38) Bis(2-ethylhexyl)phthalate	21.64	149	1010	0.10	ng	# 100

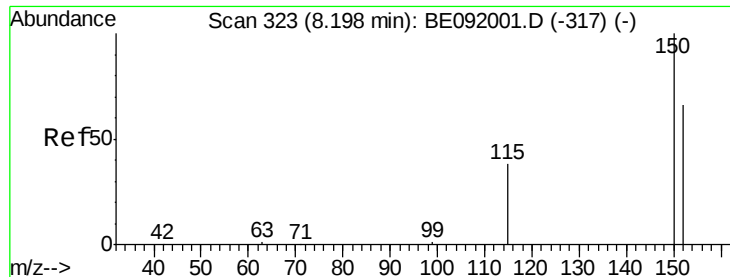
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092026.D
Acq On : 23 Jul 2016 3:49
Operator : UM/SJ
Sample : PB92324BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB92324BL

Quant Time: Jul 23 04:48:36 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

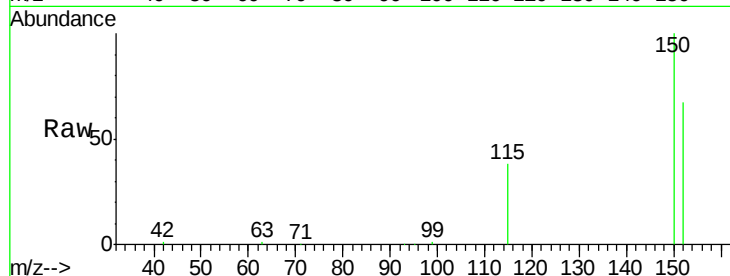
Tgt Ion:152 Resp: 23847

Ion Ratio Lower Upper

152 100

150 150.1 123.9 185.9

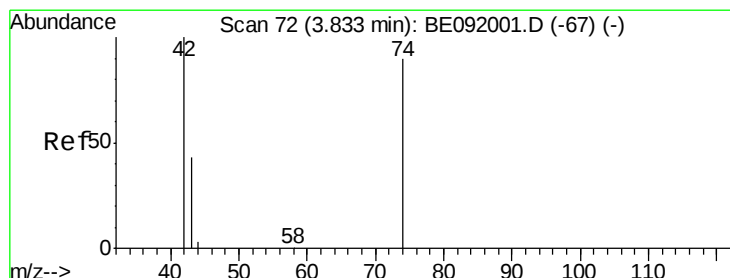
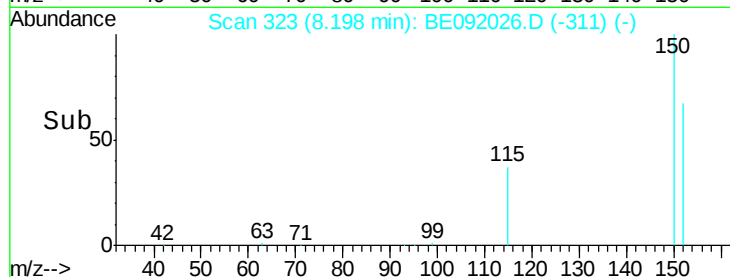
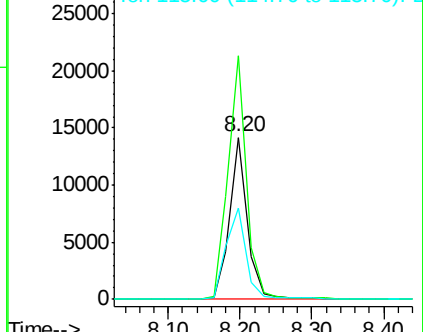
115 56.5 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.89 min Scan# 75

Delta R.T. 0.06 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

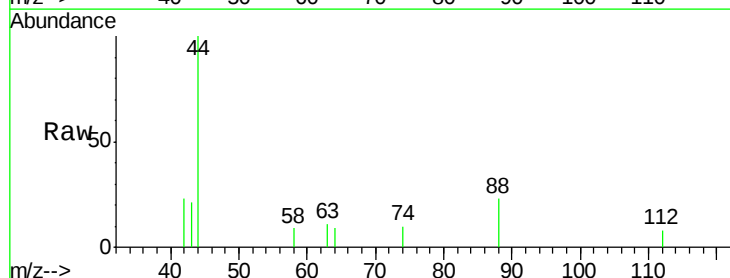
Tgt Ion: 42 Resp: 34

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

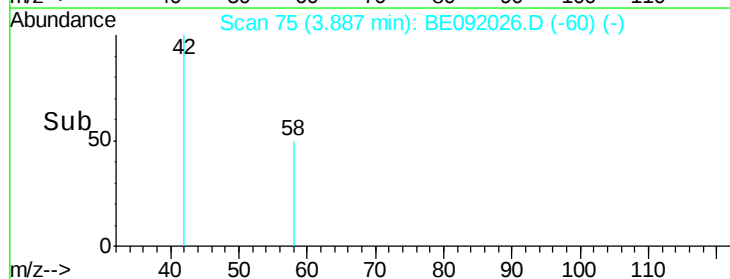
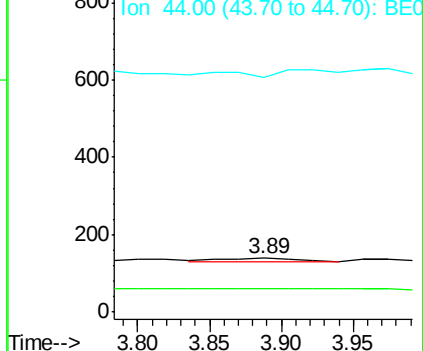
44 0.0 5.0 7.6#

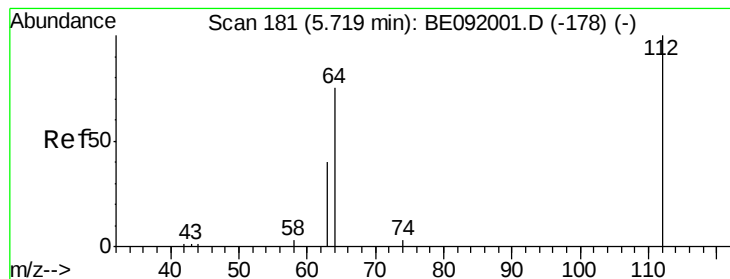


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 7.25 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

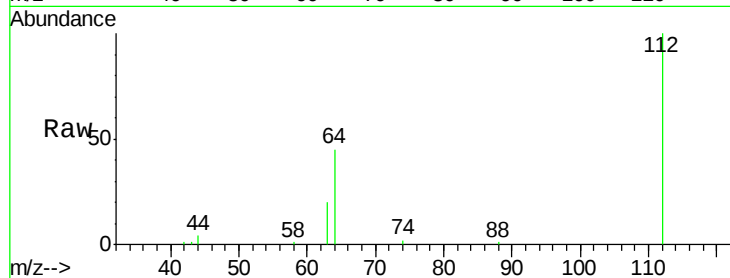
Tgt Ion: 112 Resp: 33525

Ion Ratio Lower Upper

112 100

64 68.0 53.7 80.5

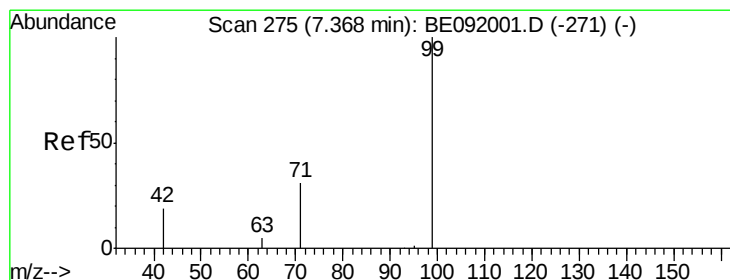
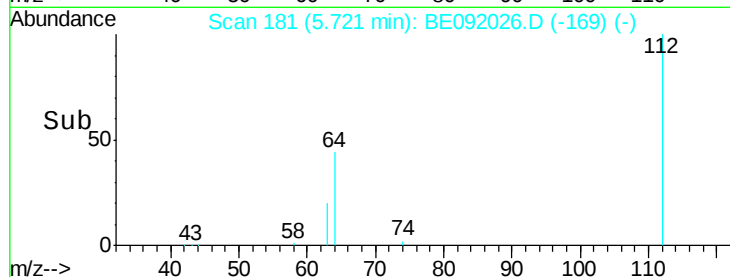
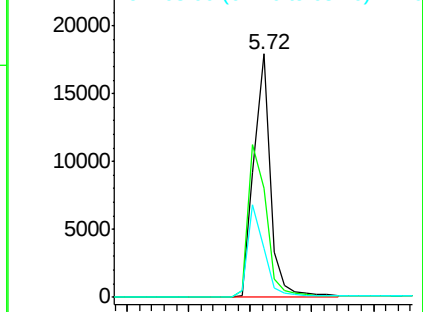
63 37.0 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE092001.D (-178) (-)

Ion 64.00 (63.70 to 64.70): BE092001.D (-178) (-)

Ion 63.00 (62.70 to 63.70): BE092001.D (-178) (-)



#5

Phenol-d6

Concen: 5.68 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

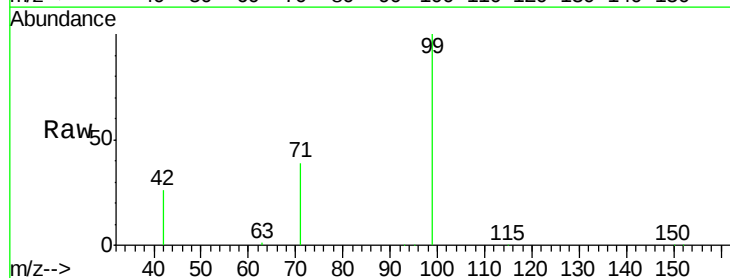
Tgt Ion: 99 Resp: 46438

Ion Ratio Lower Upper

99 100

42 25.5 19.6 29.4

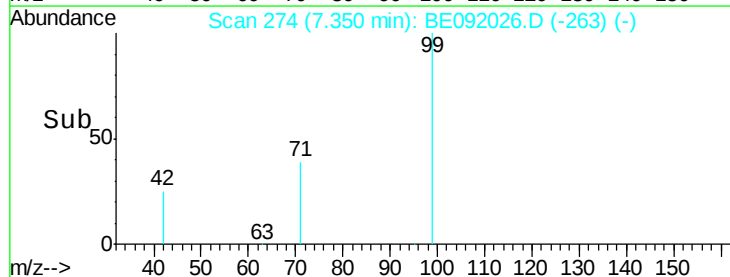
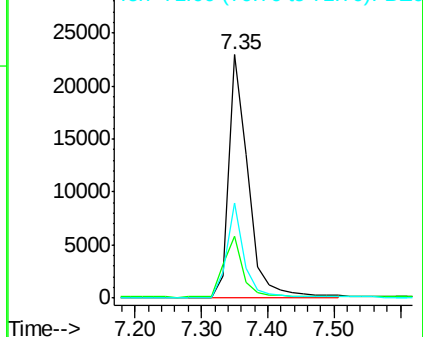
71 35.5 28.1 42.1

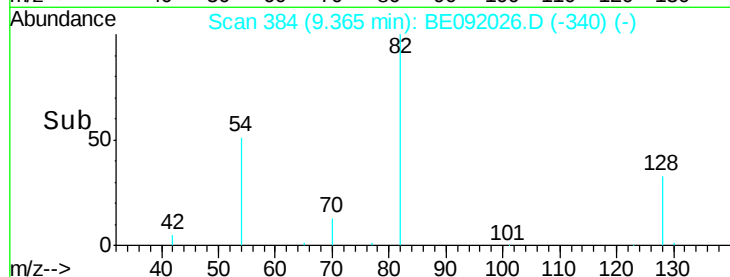
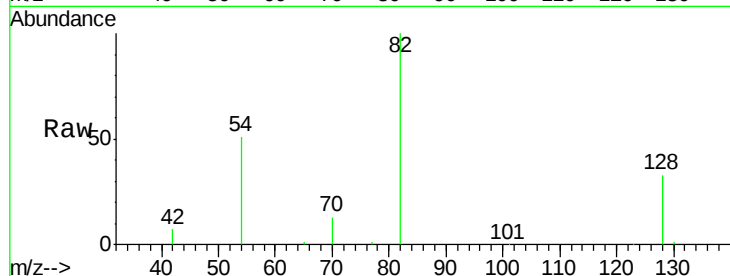
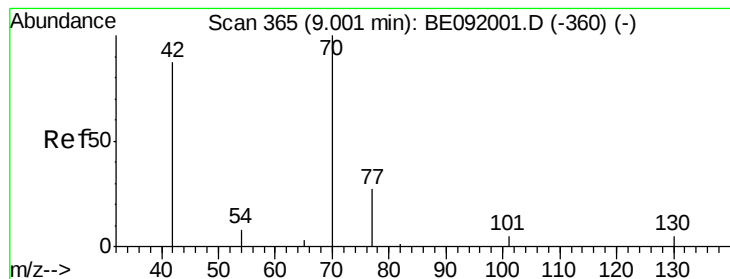


Abundance Ion 99.00 (98.70 to 99.70): BE092001.D (-271) (-)

Ion 42.00 (41.70 to 42.70): BE092001.D (-271) (-)

Ion 71.00 (70.70 to 71.70): BE092001.D (-271) (-)





#7

n-Nitroso-di-n-propylamine

Concen: 0.53 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.36 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

Tgt Ion: 70 Resp: 3101

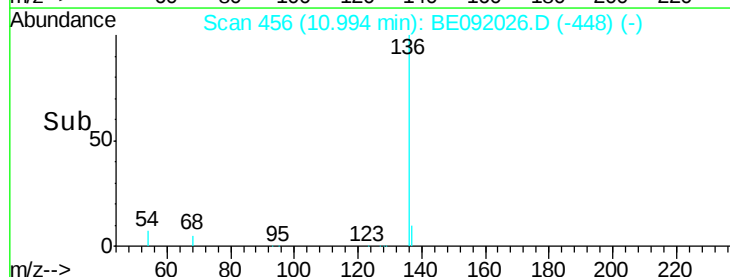
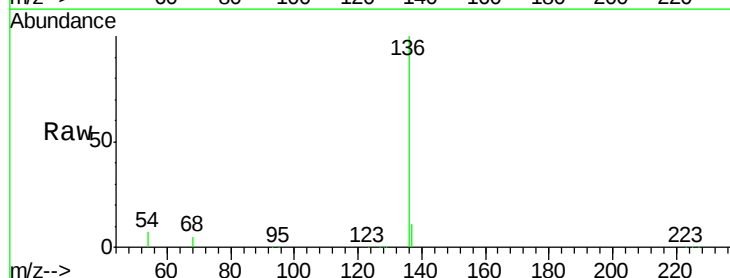
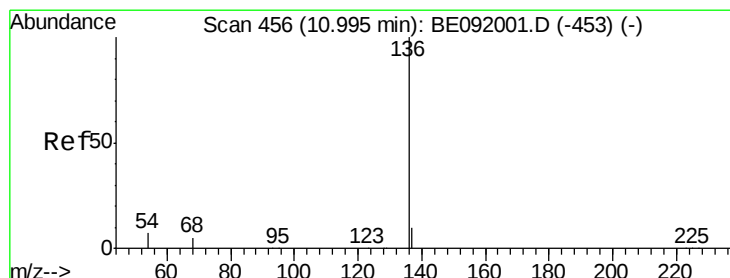
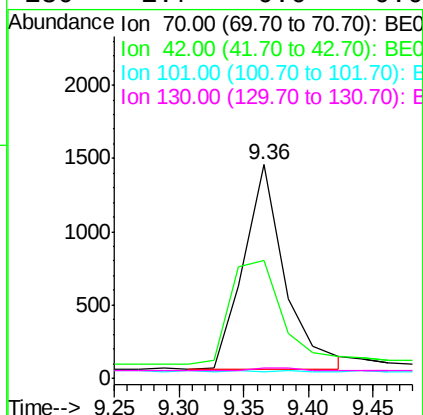
Ion Ratio Lower Upper

70 100

42 65.4 58.4 87.6

101 0.0 6.4 9.6#

130 1.7 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Tgt Ion: 136 Resp: 113403

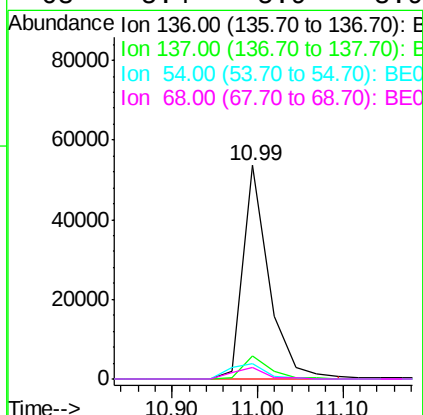
Ion Ratio Lower Upper

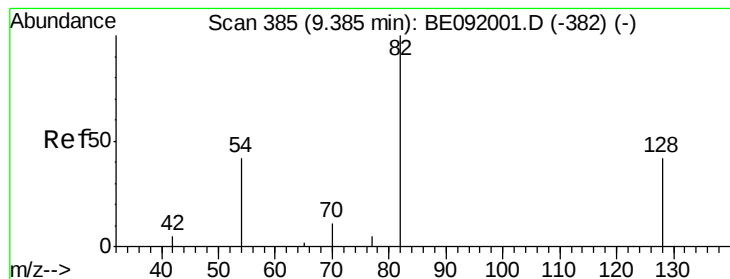
136 100

137 10.6 8.3 12.5

54 7.3 8.2 12.4#

68 5.4 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.72 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

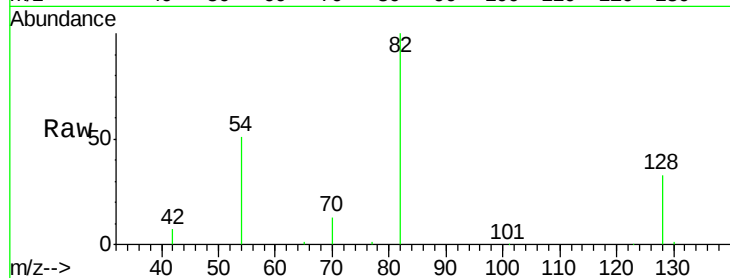
Tgt Ion: 82 Resp: 25398

Ion Ratio Lower Upper

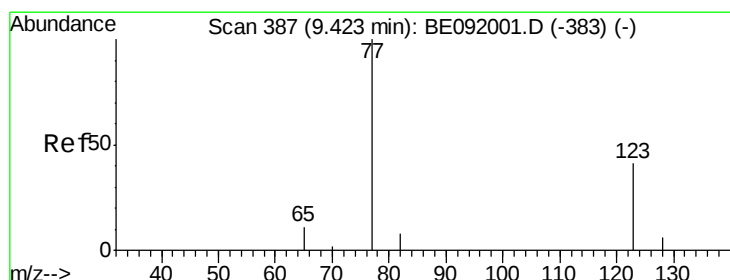
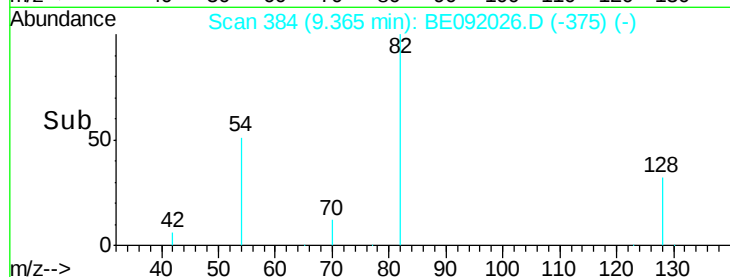
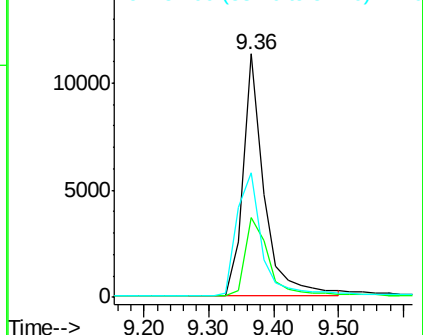
82 100

128 32.6 39.5 59.3#

54 51.0 30.3 45.5#



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



#10

Nitrobenzene

Concen: 0.14 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.06 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

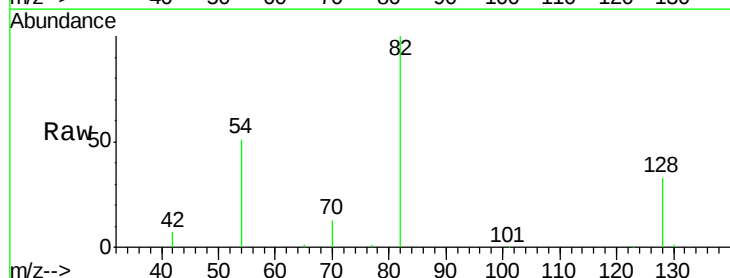
Tgt Ion: 77 Resp: 98

Ion Ratio Lower Upper

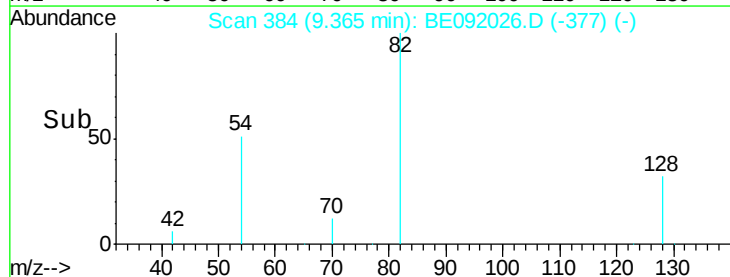
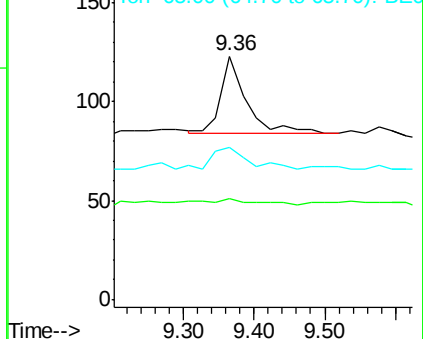
77 100

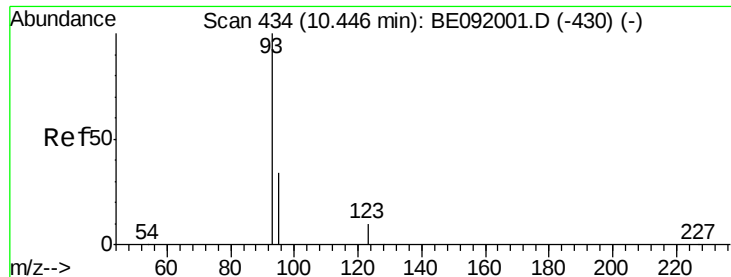
123 0.0 0.0 0.0

65 39.8 11.1 16.7#



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

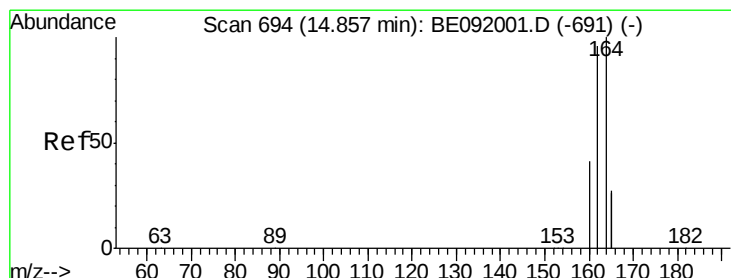
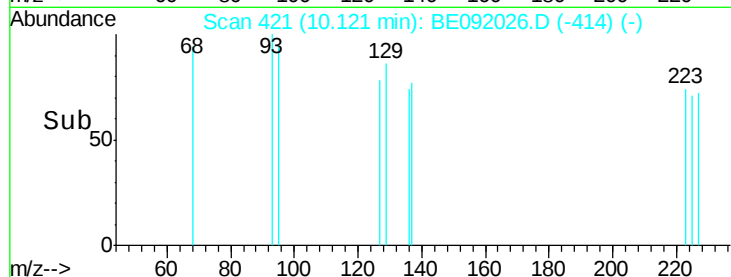
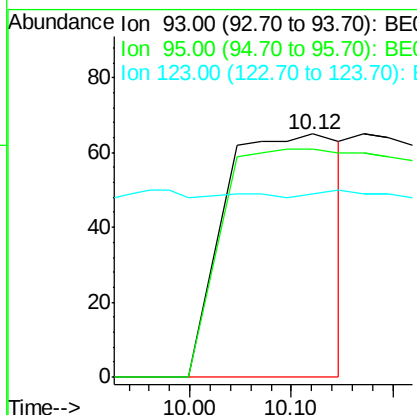
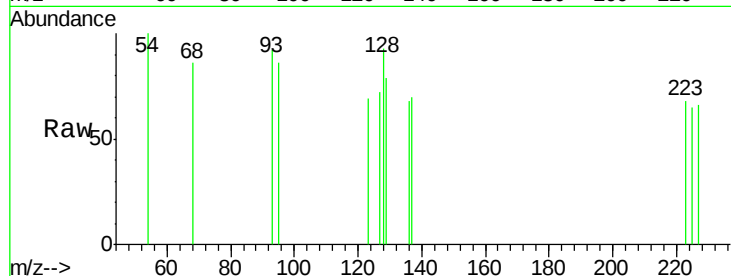




#11
bis(2-Chloroethoxy)methane
Concen: 0.07 ng
RT: 10.12 min Scan# 421
Delta R.T. -0.32 min
Lab File: BE092026.D
Acq: 23 Jul 2016 3:49

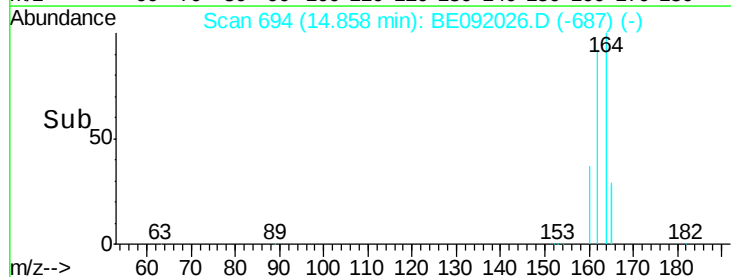
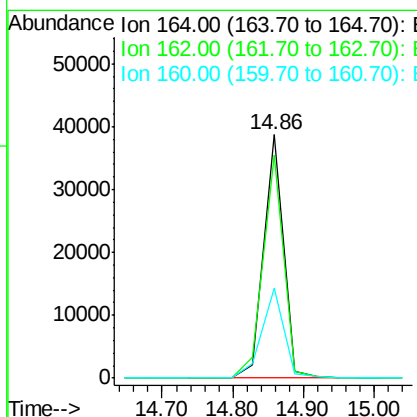
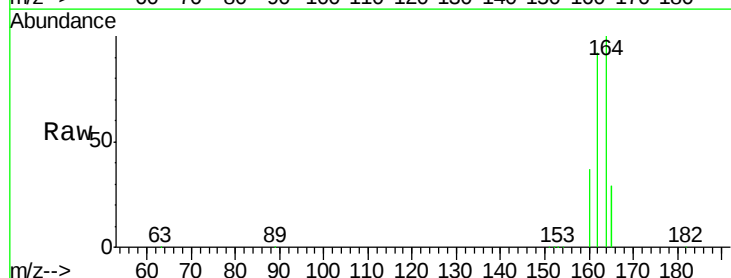
Instrument :
BNA_E
ClientSampleId :
PB92324BL

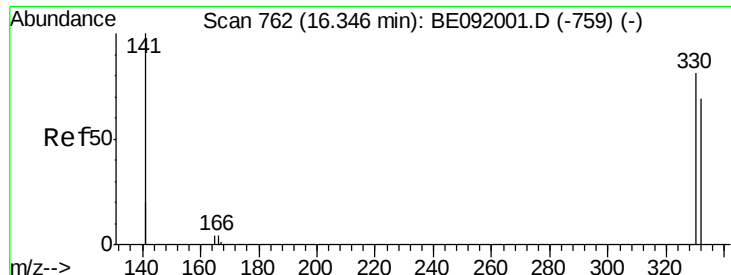
Tgt Ion: 93 Resp: 557
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092026.D
Acq: 23 Jul 2016 3:49

Tgt Ion: 164 Resp: 76120
Ion Ratio Lower Upper
164 100
162 91.9 71.8 107.8
160 37.1 28.0 42.0

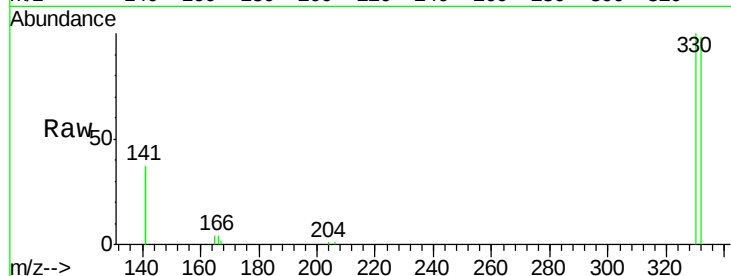




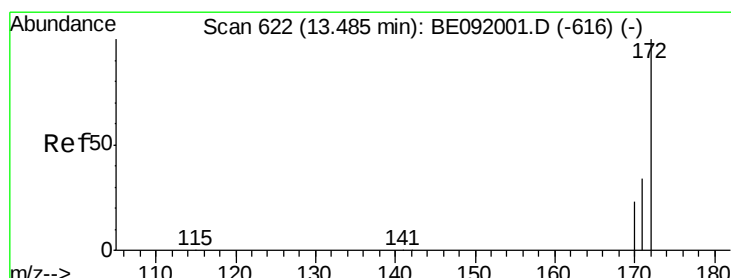
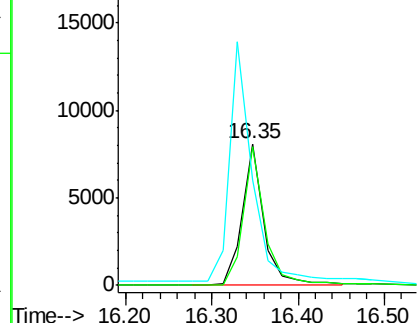
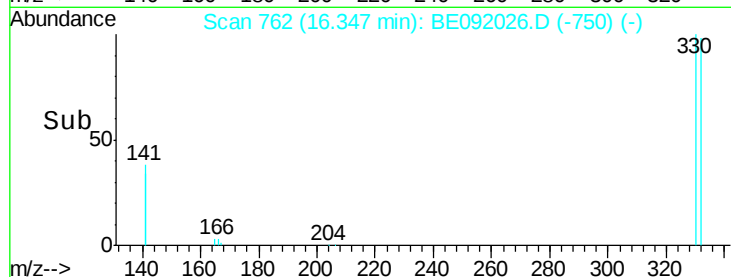
#16
 2,4,6-Tribromophenol
 Concen: 5.27 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092026.D
 Acq: 23 Jul 2016 3:49

Instrument :
 BNA_E
 ClientSampleId :
 PB92324BL

Tgt Ion:330 Resp: 13752
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 178.4 138.4 207.6

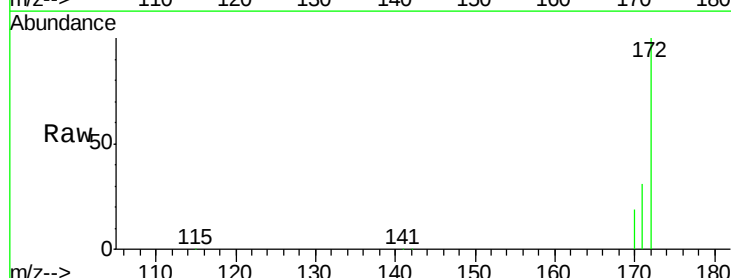


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

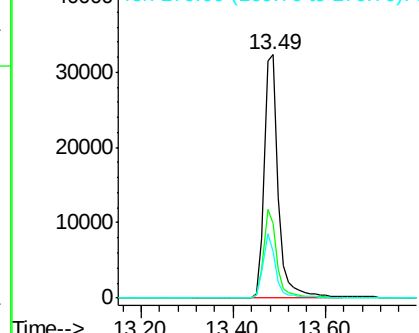
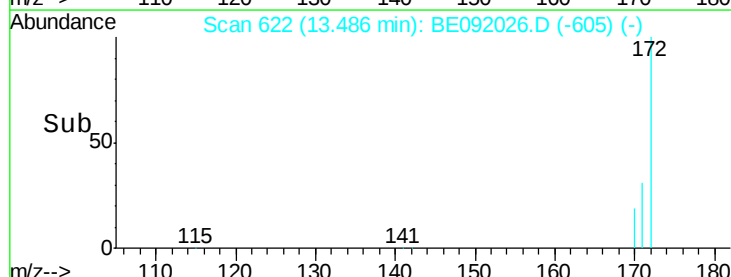


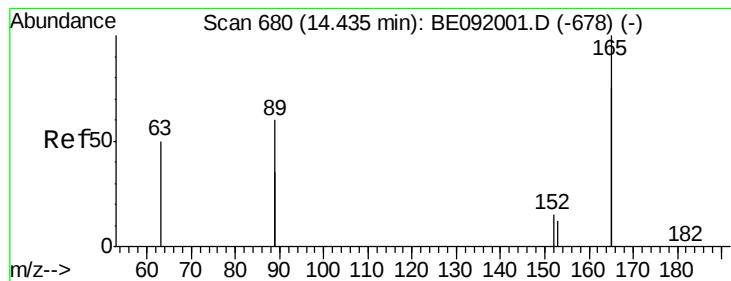
#17
 2-Fluorobiphenyl
 Concen: 3.36 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE092026.D
 Acq: 23 Jul 2016 3:49

Tgt Ion:172 Resp: 67198
 Ion Ratio Lower Upper
 172 100
 171 30.9 24.3 36.5
 170 18.9 14.9 22.3



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





#19

2,6-Dinitrotoluene

Concen: 0.24 ng

RT: 14.04 min Scan# 667

Delta R.T. -0.39 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

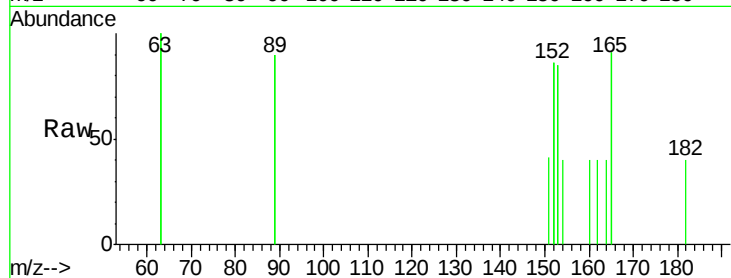
Tgt Ion:165 Resp: 1593

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

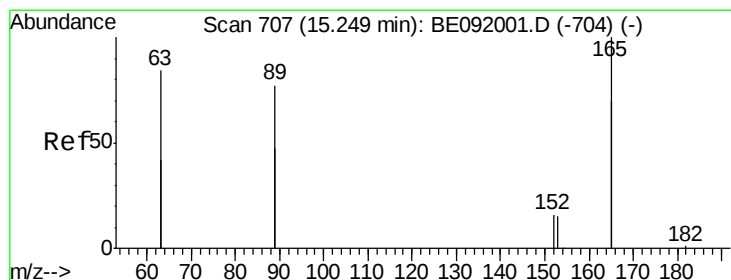
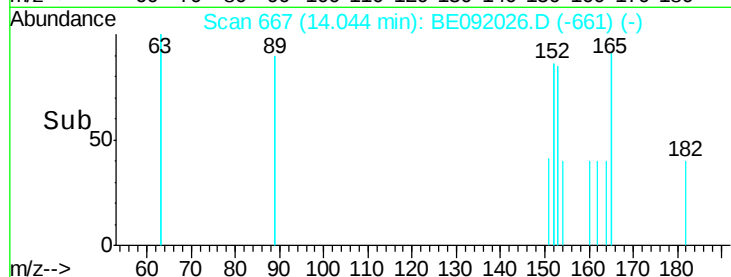
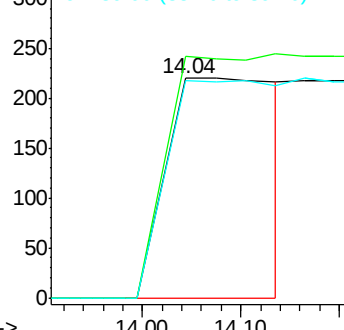
89 98.8 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#21

2,4-Dinitrotoluene

Concen: 2.18 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Tgt Ion:165 Resp: 42763

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

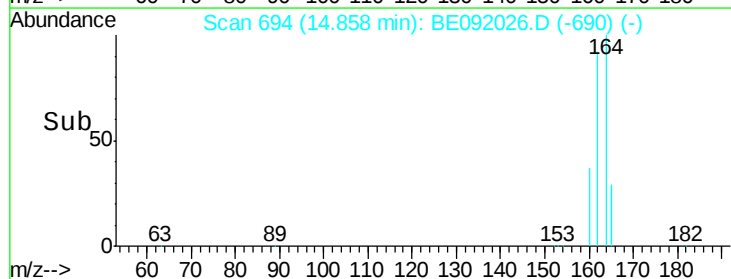
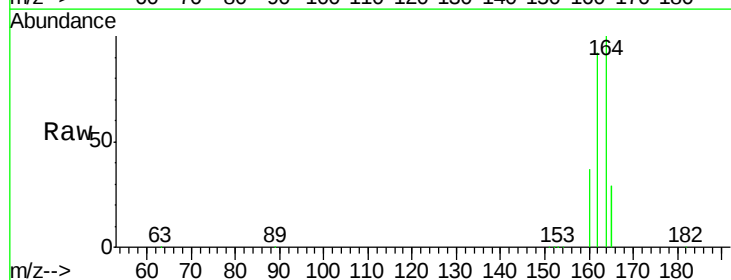
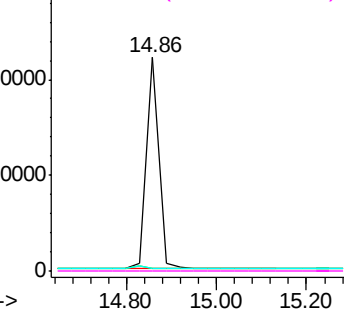
182 0.0 0.0 0.0

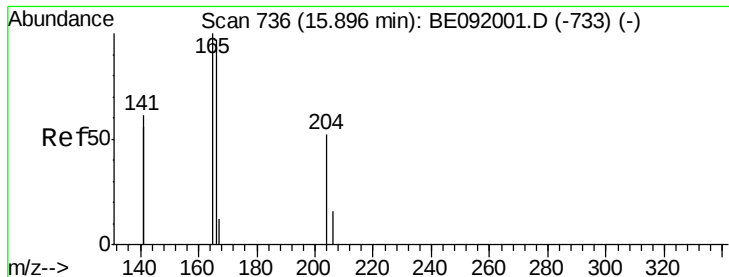
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

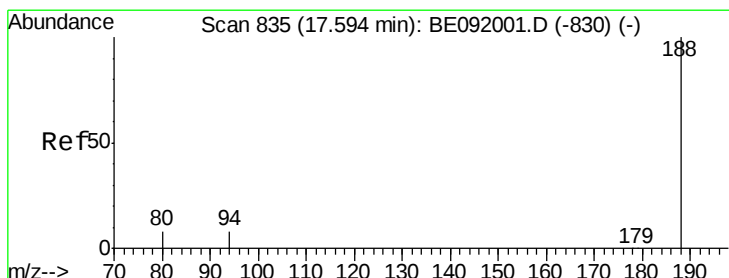
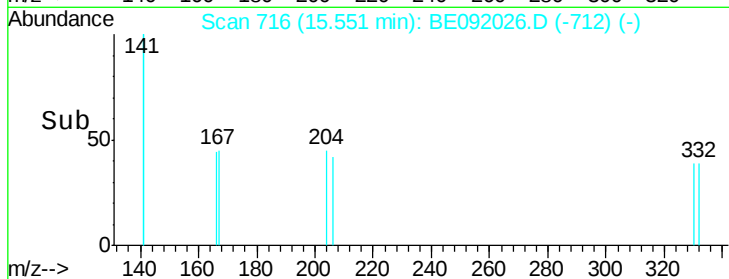
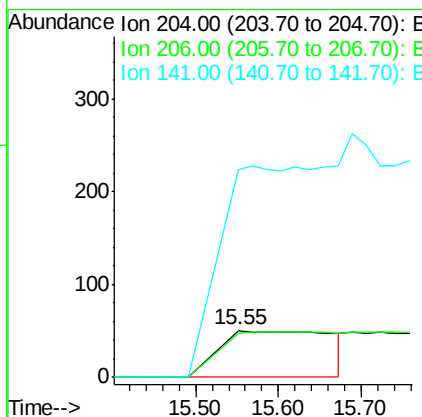
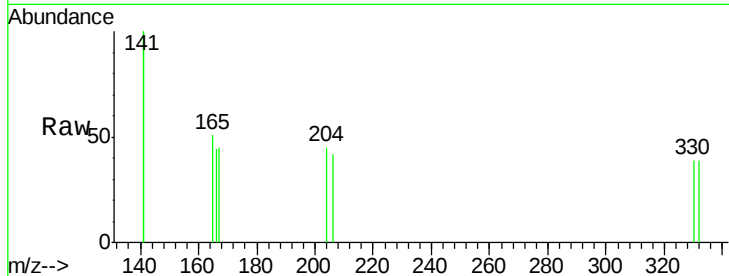




#23
 4-Chlorophenyl-phenylether
 Concen: 0.04 ng
 RT: 15.55 min Scan# 716
 Delta R.T. -0.35 min
 Lab File: BE092026.D
 Acq: 23 Jul 2016 3:49

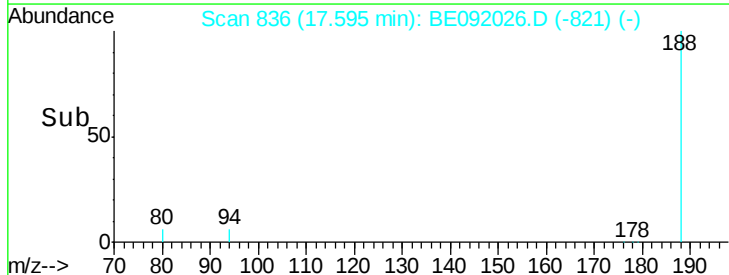
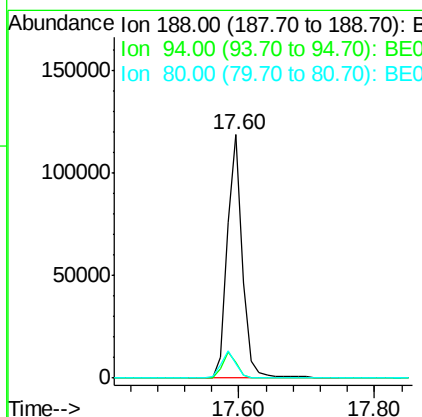
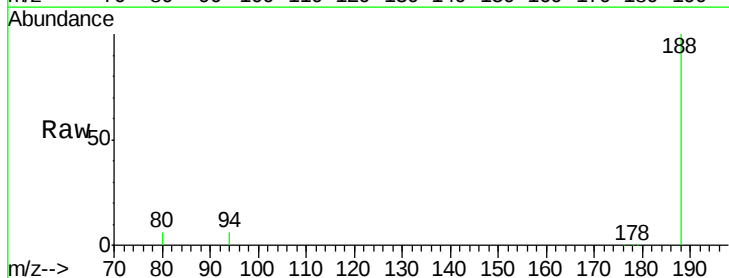
Instrument :
 BNA_E
 ClientSampleID :
 PB92324BL

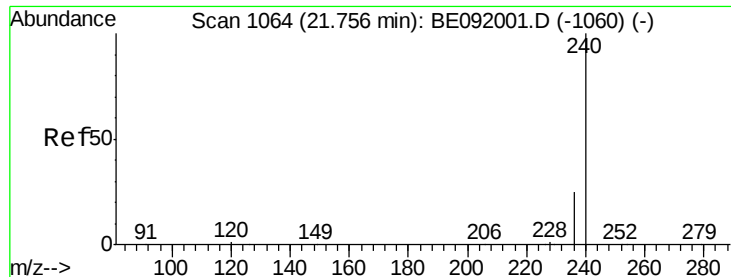
Tgt Ion: 204 Resp: 521
 Ion Ratio Lower Upper
 204 100
 206 25.7 27.8 41.6#
 141 287.9 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.60 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BE092026.D
 Acq: 23 Jul 2016 3:49

Tgt Ion: 188 Resp: 186055
 Ion Ratio Lower Upper
 188 100
 94 6.4 4.1 6.1#
 80 5.7 3.4 5.2#





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

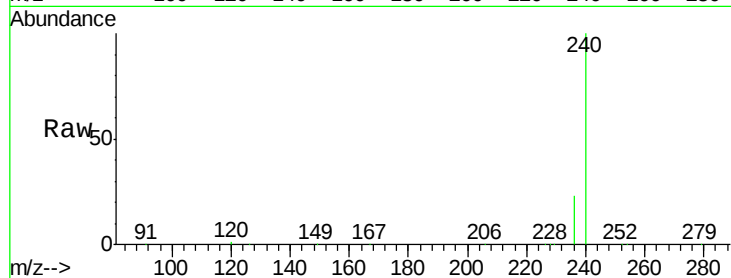
Tgt Ion:240 Resp: 220578

Ion Ratio Lower Upper

240 100

120 0.8 1.2 1.8#

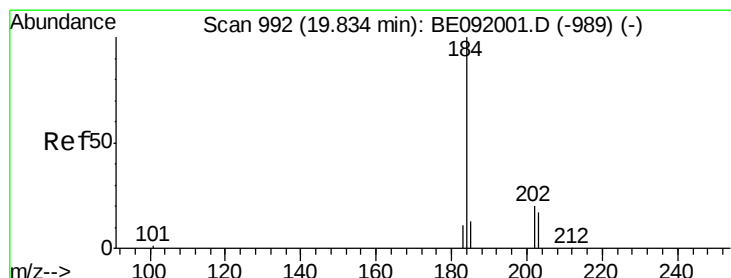
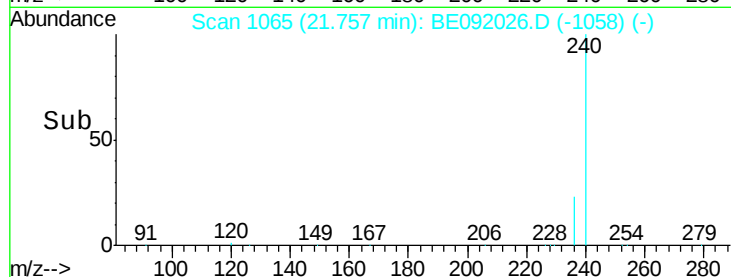
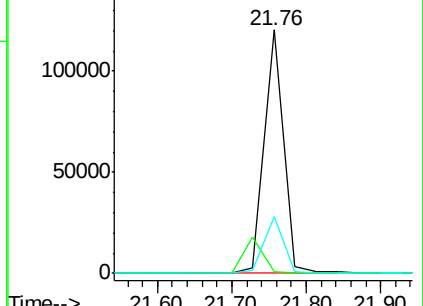
236 23.2 19.8 29.8



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



#32

Benzidine

Concen: 0.38 ng

RT: 20.20 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

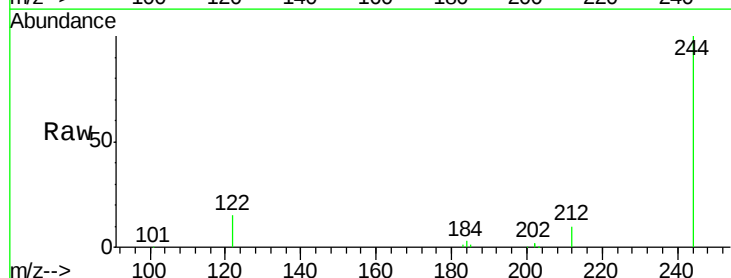
Tgt Ion:184 Resp: 2165

Ion Ratio Lower Upper

184 100

185 23.4 11.4 17.2#

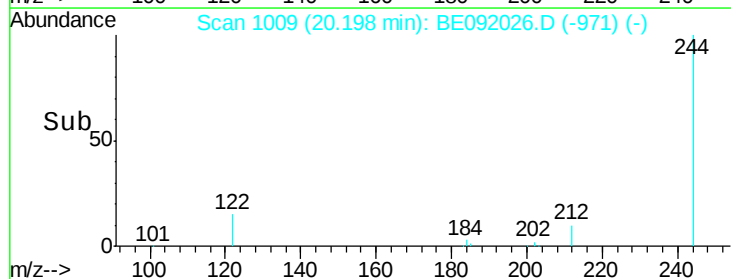
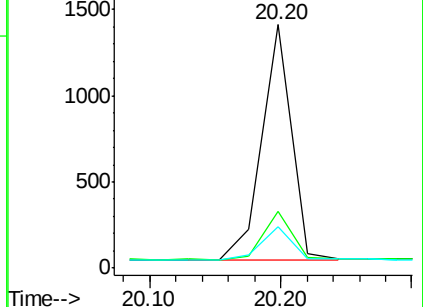
183 17.1 11.8 17.6

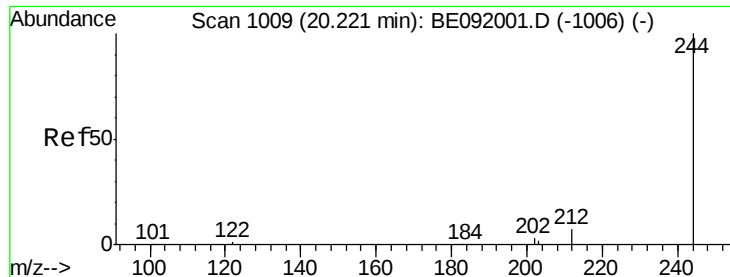


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#34

Terphenyl-d14

Concen: 4.86 ng

RT: 20.20 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

Instrument :

BNA_E

ClientSampleId :

PB92324BL

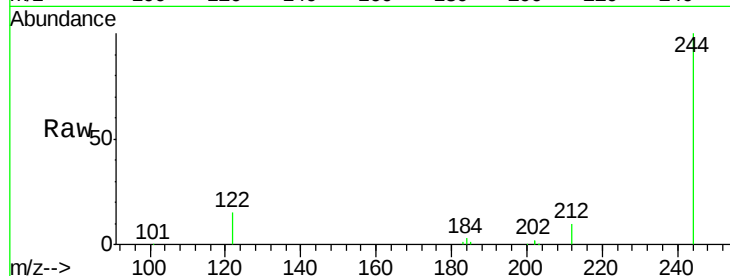
Tgt Ion:244 Resp: 107753

Ion Ratio Lower Upper

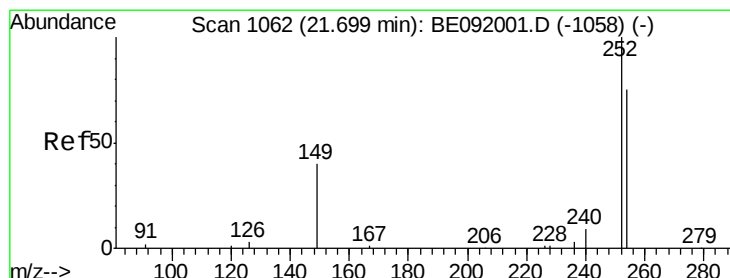
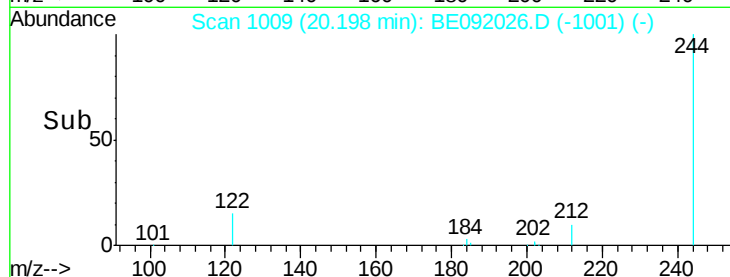
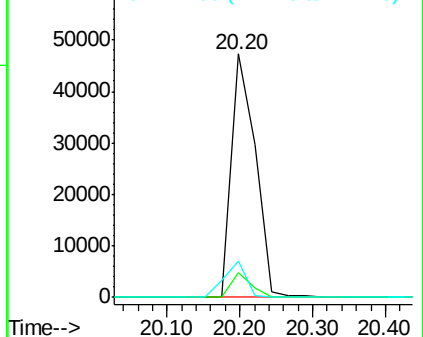
244 100

212 10.3 6.5 9.7#

122 15.1 2.9 4.3#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.02 ng

RT: 21.79 min Scan# 1066

Delta R.T. 0.09 min

Lab File: BE092026.D

Acq: 23 Jul 2016 3:49

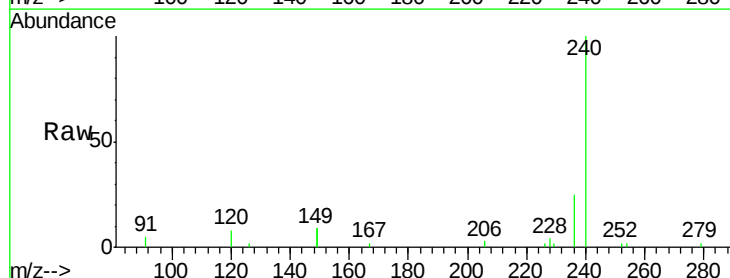
Tgt Ion:252 Resp: 45

Ion Ratio Lower Upper

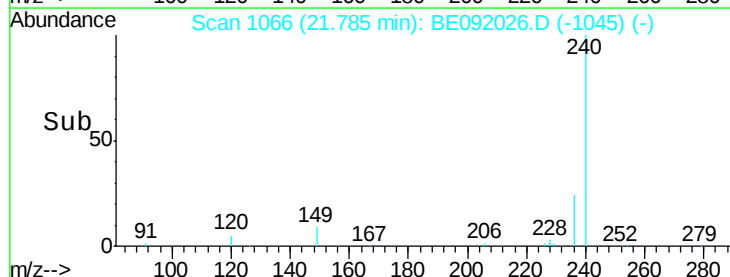
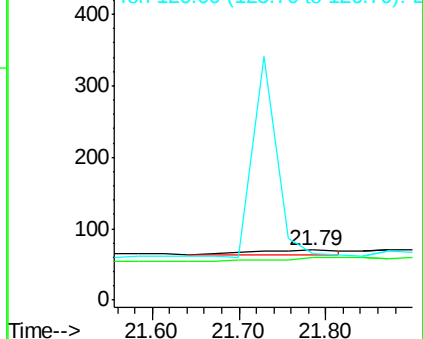
252 100

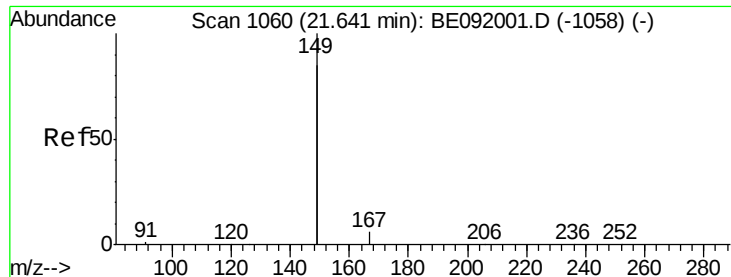
254 84.3 61.5 92.3

126 94.3 2.5 3.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

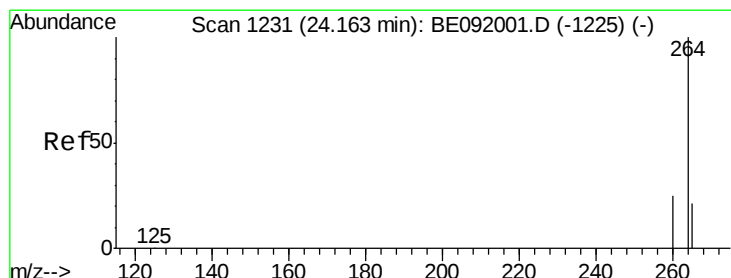
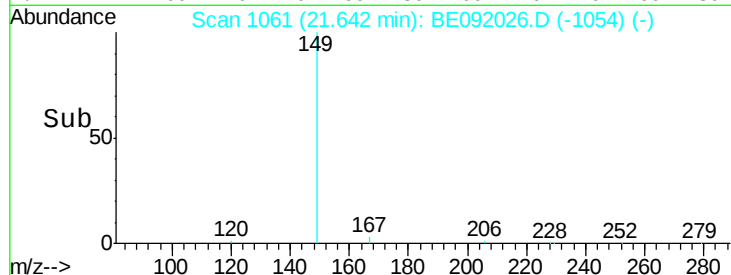
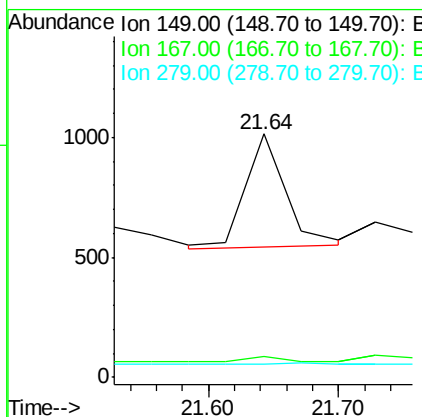
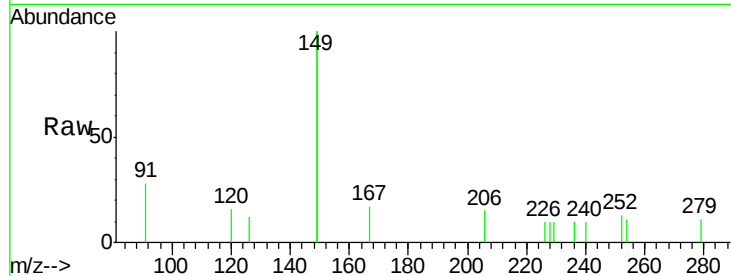




#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.10 ng
 RT: 21.64 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BE092026.D
 Acq: 23 Jul 2016 3:49

Instrument :
 BNA_E
 ClientSampleId :
 PB92324BL

Tgt Ion:149 Resp: 1010
 Ion Ratio Lower Upper
 149 100
 167 4.0 0.0 0.0#
 279 0.0 0.0 0.0



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE092026.D
 Acq: 23 Jul 2016 3:49

Tgt Ion:264 Resp: 188287
 Ion Ratio Lower Upper
 264 100
 260 23.8 20.3 30.5
 265 22.4 17.6 26.4

