

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092060.D
 Acq On : 27 Jul 2016 17:07
 Operator : UM/SJ
 Sample : PB92324BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92324BS

Quant Time: Jul 28 01:35:33 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	12475	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	55771	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	21462	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	66338	5.00	ng	0.00
31) Chrysene-d12	21.76	240	61585	5.00	ng	0.00
40) Perylene-d12	24.15	264	73698	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	21616	7.78	ng	-0.02
5) Phenol-d6	7.35	99	29225	7.88	ng	0.00
9) Nitrobenzene-d5	9.35	82	15973	3.84	ng	-0.02
16) 2,4,6-Tribromophenol	16.33	330	6833	6.86	ng	-0.02
17) 2-Fluorobiphenyl	13.47	172	34462	4.01	ng	0.00
34) Terphenyl-d14	20.20	244	49368	4.30	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	4928	2.88	ng	# 83
3) n-Nitrosodimethylamine	3.80	42	8202	4.01	ng	# 96
6) bis(2-Chloroethyl)ether	7.61	93	13722	3.83	ng	95
7) n-Nitroso-di-n-propylamine	8.98	70	10994	3.71	ng	97
10) Nitrobenzene	9.38	77	16184	4.01	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	19008	4.09	ng	99
12) Naphthalene	11.04	128	41891	3.43	ng	95
13) Hexachlorobutadiene	11.32	225	6269	3.42	ng	# 98
14) 2-Methylnaphthalene	12.66	142	29525	3.74	ng	95
18) Acenaphthylene	14.56	152	216458	3.89	ng	97
19) 2,6-Dinitrotoluene	14.44	165	25080	3.58	ng	# 100
20) Acenaphthene	14.89	154	21970	3.75	ng	# 93
21) 2,4-Dinitrotoluene	15.22	165	44324	3.99	ng	# 1
22) Fluorene	15.90	166	35453	3.85	ng	100
23) 4-Chlorophenyl-phenylether	15.88	204	16605	3.67	ng	94
25) 4-Bromophenyl-phenylether	16.78	248	9869	3.62	ng	99
26) Hexachlorobenzene	16.90	284	10175	3.59	ng	98
27) Pentachlorophenol	17.25	266	8237	6.71	ng	# 83
28) Phenanthrene	17.63	178	61173	3.63	ng	99
29) Anthracene	17.72	178	57876	3.77	ng	100
30) Fluoranthene	19.63	202	304786	4.06	ng	99
32) Benzidine	20.20	184	724	0.31	ng	95
33) Pyrene	19.99	202	318072	4.01	ng	99
35) Benzo(a)anthracene	21.73	228	172052	6.72	ng	94
36) 3,3'-Dichlorobenzidine	21.67	252	15174	2.05	ng	# 89
37) Chrysene	21.73	228	173210	9.81	ng	96
38) Bis(2-ethylhexyl)phthalate	21.64	149	249954	4.23	ng	# 98
39) Indeno(1,2,3-cd)pyrene	26.67	276	331287	4.59	ng	99
41) Benzo(b)fluoranthene	23.41	252	77253	3.93	ng	98
42) Benzo(k)fluoranthene	23.46	252	76523	3.78	ng	96
43) Benzo(a)pyrene	24.04	252	71566	3.81	ng	94
44) Dibenzo(a,h)anthracene	26.68	278	69417	4.24	ng	# 92
45) Benzo(g,h,i)perylene	27.43	276	281264	4.11	ng	95

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
Data File : BE092060.D
Acq On : 27 Jul 2016 17:07
Operator : UM/SJ
Sample : PB92324BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB92324BS

Quant Time: Jul 28 01:35:33 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:13:26 2016
Response via : Initial Calibration

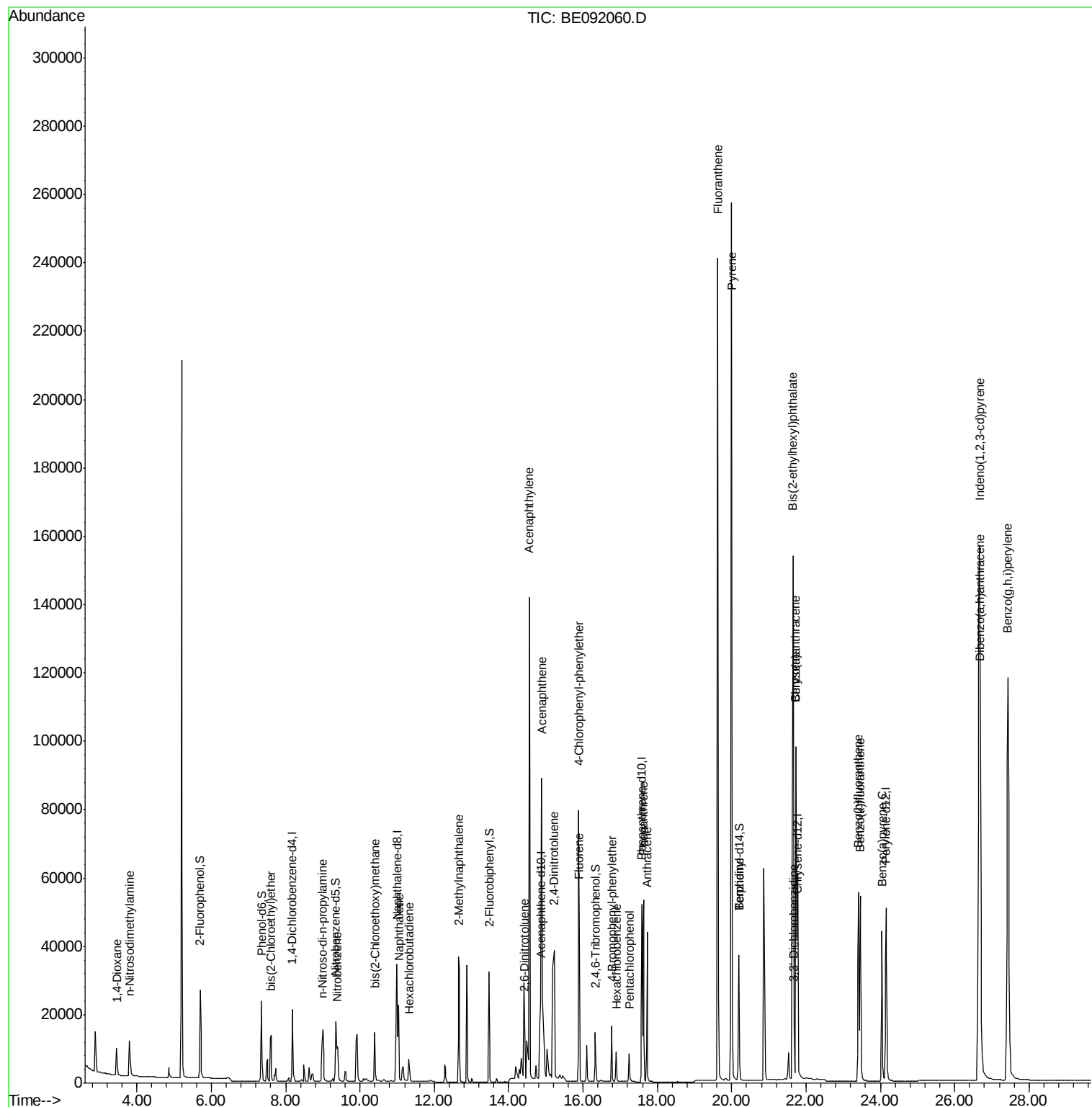
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

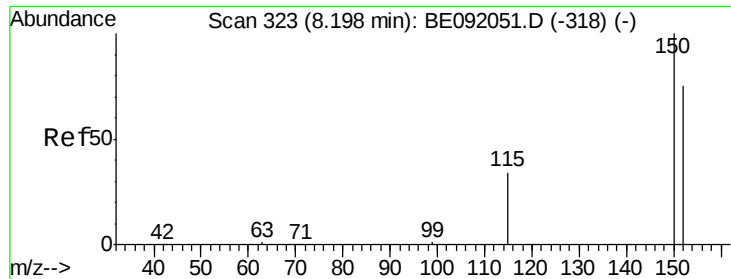
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
Data File : BE092060.D
Acq On : 27 Jul 2016 17:07
Operator : UM/SJ
Sample : PB92324BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB92324BS

Quant Time: Jul 28 01:35:33 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:13:26 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

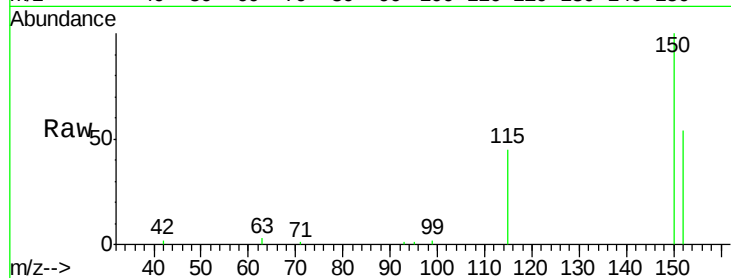
Tgt Ion:152 Resp: 12475

Ion Ratio Lower Upper

152 100

150 184.4 106.0 159.0#

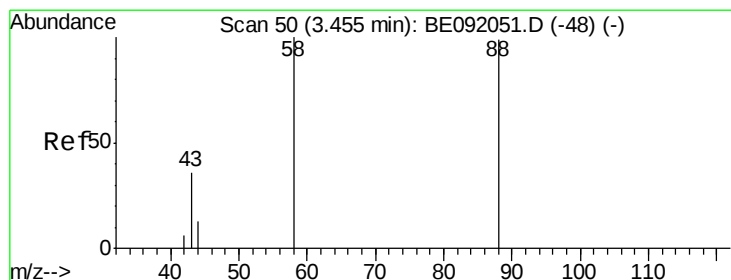
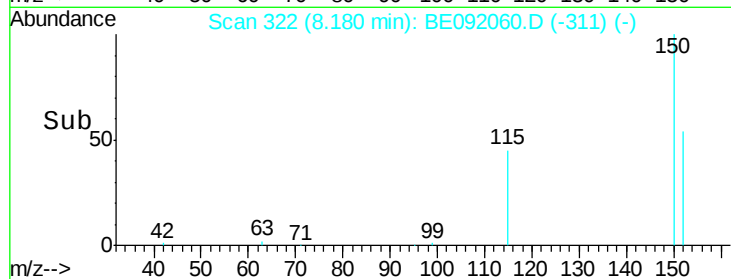
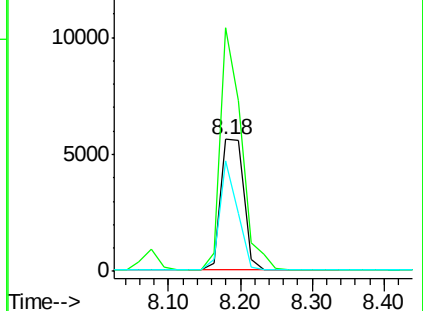
115 83.6 36.9 55.3#



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: 2.88 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

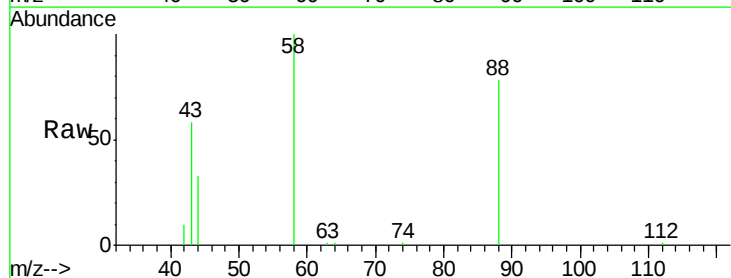
Tgt Ion: 88 Resp: 4928

Ion Ratio Lower Upper

88 100

58 91.1 62.1 93.1

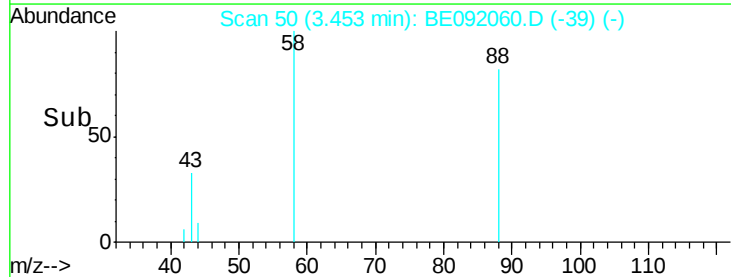
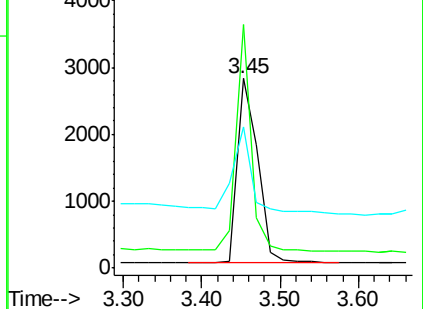
43 46.4 27.2 40.8#

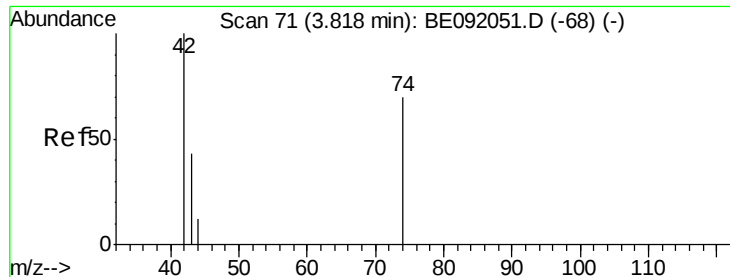


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.01 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

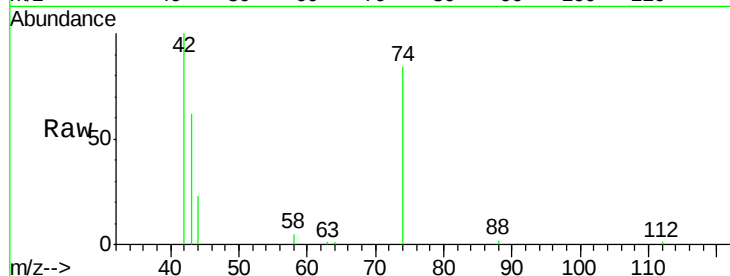
Tgt Ion: 42 Resp: 8202

Ion Ratio Lower Upper

42 100

74 106.8 82.8 124.2

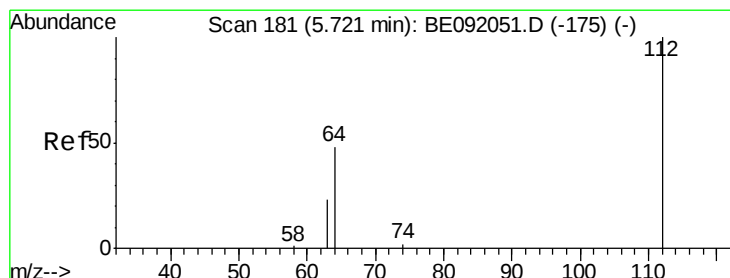
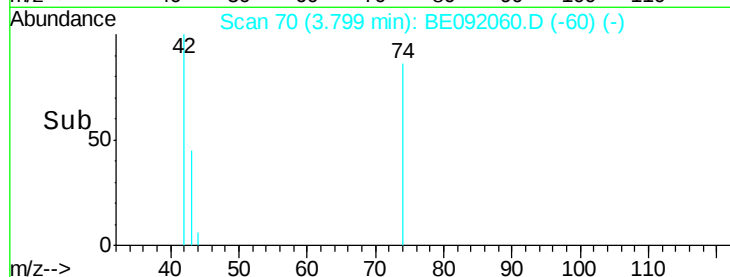
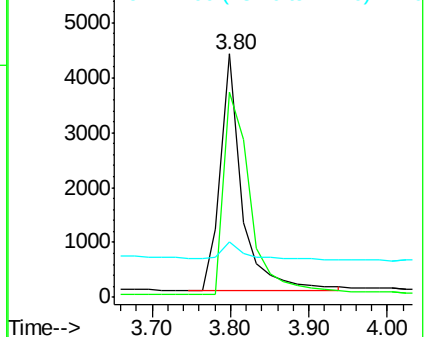
44 7.6 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE092051.D (-68) (-)

Ion 74.00 (73.70 to 74.70): BE092051.D (-68) (-)

Ion 44.00 (43.70 to 44.70): BE092051.D (-68) (-)



#4

2-Fluorophenol

Concen: 7.78 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

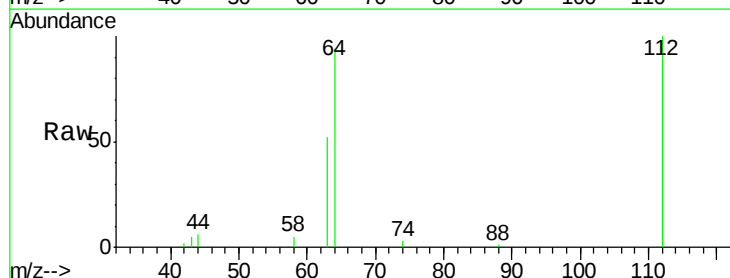
Tgt Ion: 112 Resp: 21616

Ion Ratio Lower Upper

112 100

64 69.2 55.9 83.9

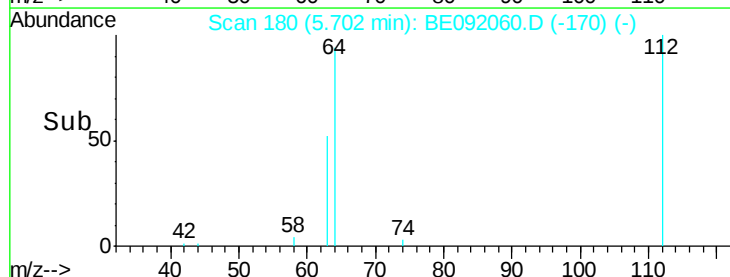
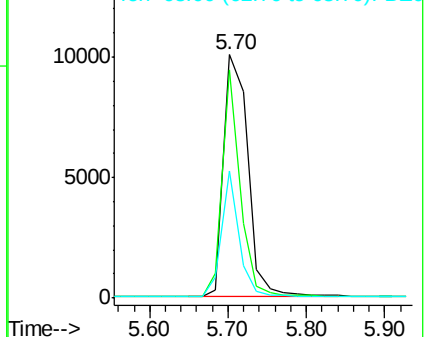
63 37.8 31.1 46.7

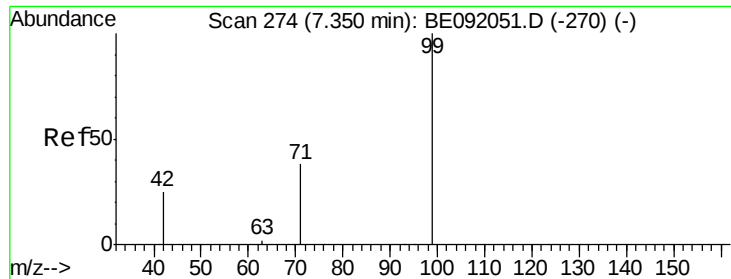


Abundance Ion 112.00 (111.70 to 112.70): BE092051.D (-175) (-)

Ion 64.00 (63.70 to 64.70): BE092051.D (-175) (-)

Ion 63.00 (62.70 to 63.70): BE092051.D (-175) (-)





#5

Phenol-d6

Concen: 7.88 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

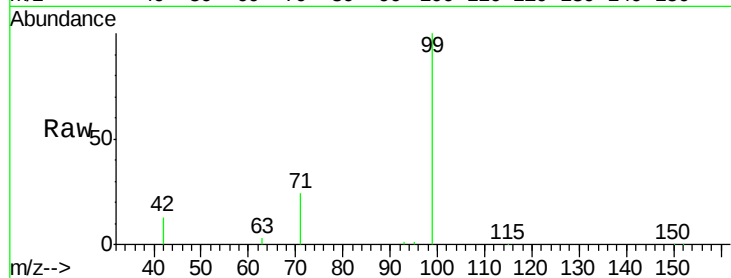
Tgt Ion: 99 Resp: 29225

Ion Ratio Lower Upper

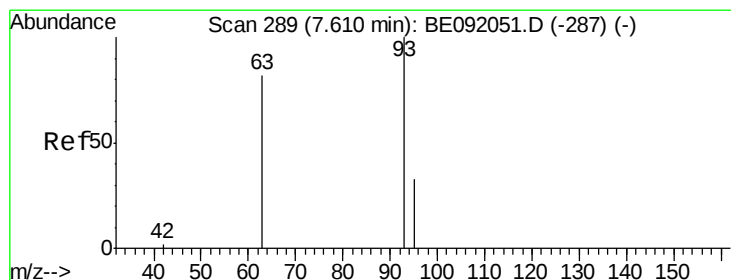
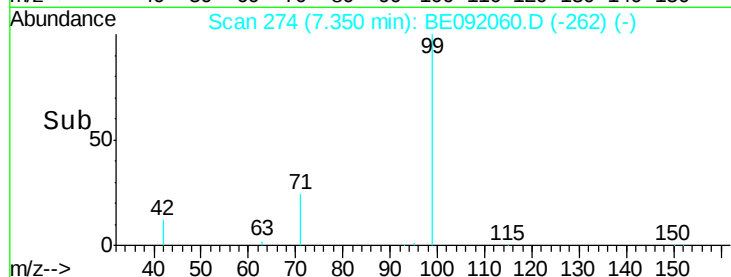
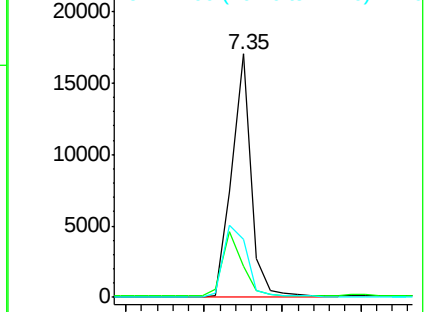
99 100

42 27.0 22.4 33.6

71 35.4 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.83 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

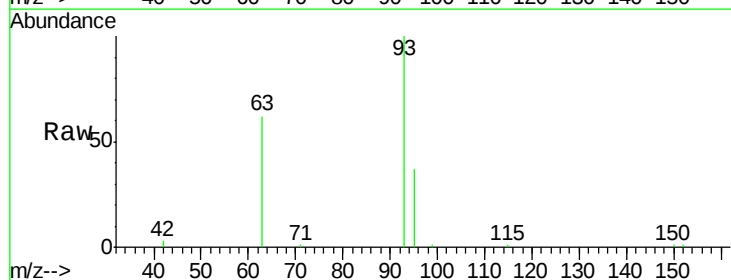
Tgt Ion: 93 Resp: 13722

Ion Ratio Lower Upper

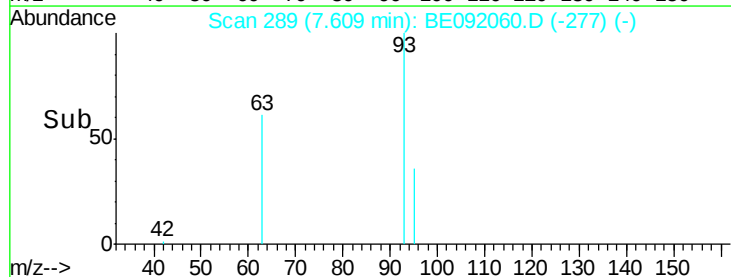
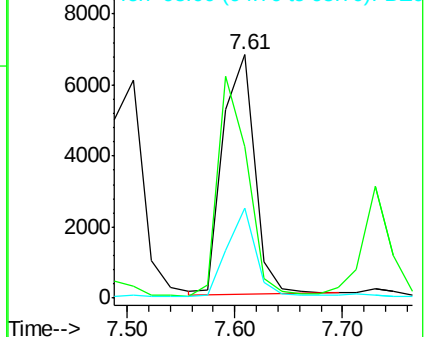
93 100

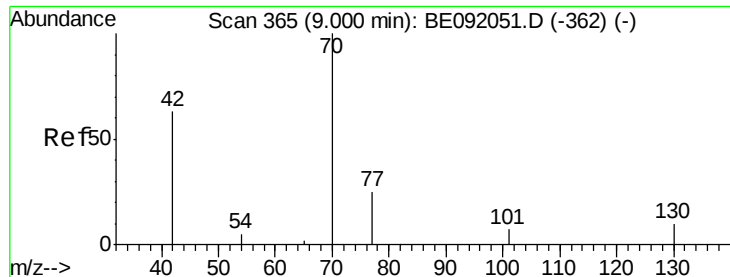
63 86.6 64.4 96.6

95 32.5 25.8 38.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 3.71 ng

RT: 8.98 min Scan# 364

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

Tgt Ion: 70 Resp: 10994

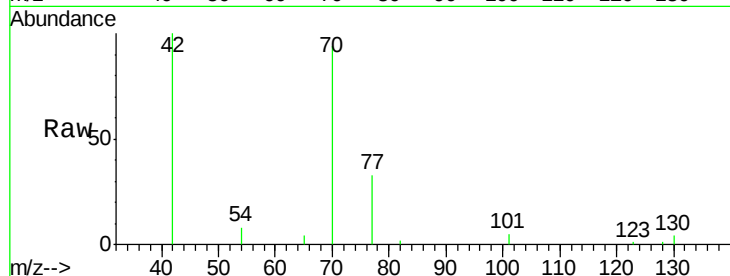
Ion Ratio Lower Upper

70 100

42 78.1 60.2 90.4

101 8.5 6.8 10.2

130 16.7 13.3 19.9

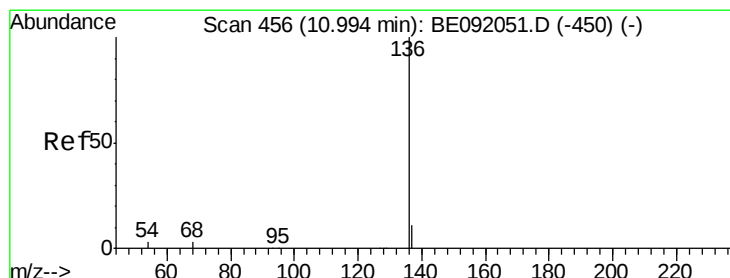
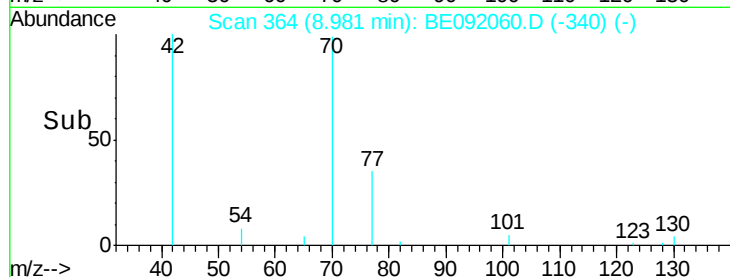
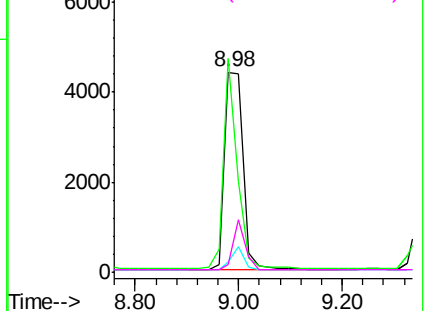


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Tgt Ion: 136 Resp: 55771

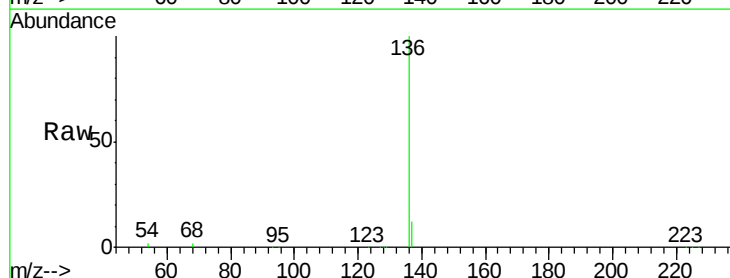
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 2.3 2.7 4.1#

68 2.0 2.2 3.4#

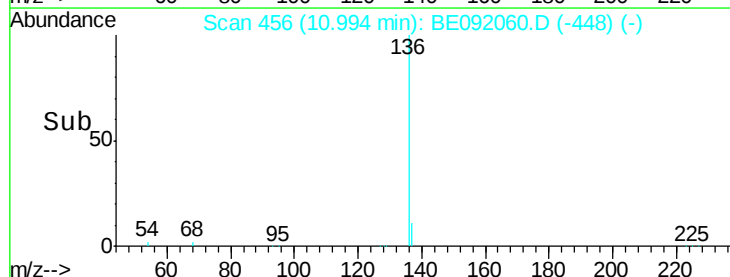
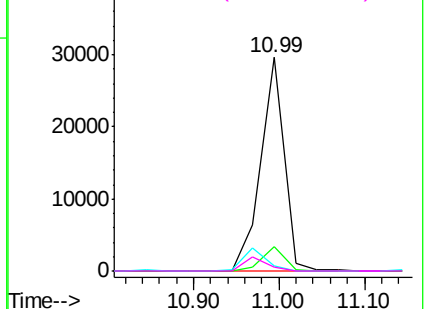


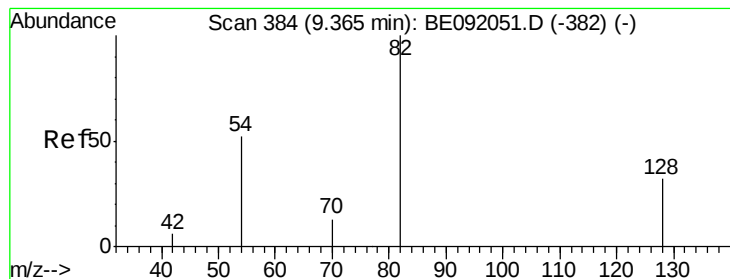
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 3.84 ng

RT: 9.35 min Scan# 383

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

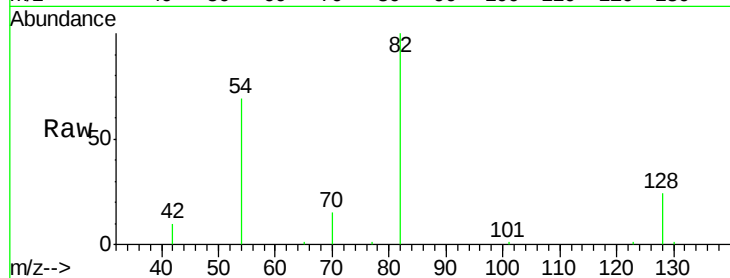
Tgt Ion: 82 Resp: 15973

Ion Ratio Lower Upper

82 100

128 24.0 33.0 49.4#

54 68.7 42.6 63.8#

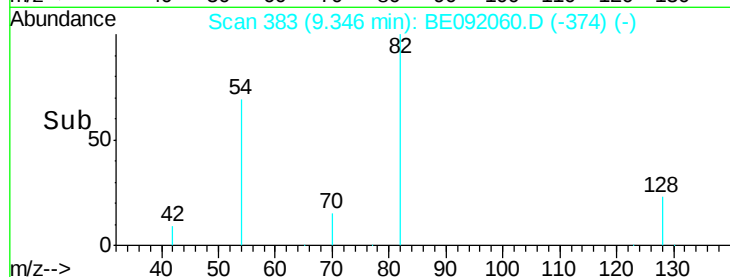


Abundance Ion 82.00 (81.70 to 82.70): BE092051.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE092051.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE092051.D (-382) (-)

Time-->

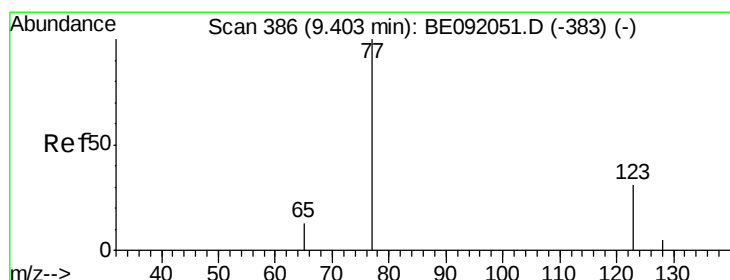


Abundance Ion 82.00 (81.70 to 82.70): BE092051.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE092051.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE092051.D (-382) (-)

Time-->



#10

Nitrobenzene

Concen: 4.01 ng

RT: 9.38 min Scan# 385

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

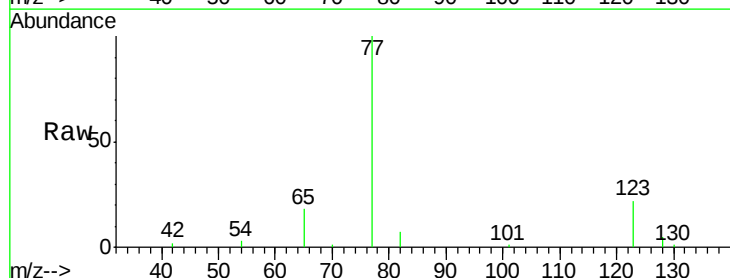
Tgt Ion: 77 Resp: 16184

Ion Ratio Lower Upper

77 100

123 38.1 29.9 44.9

65 14.2 11.4 17.0

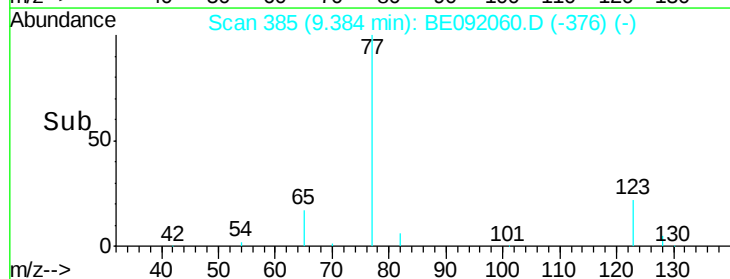


Abundance Ion 77.00 (76.70 to 77.70): BE092051.D (-383) (-)

Ion 123.00 (122.70 to 123.70): BE092051.D (-383) (-)

Ion 65.00 (64.70 to 65.70): BE092051.D (-383) (-)

Time-->

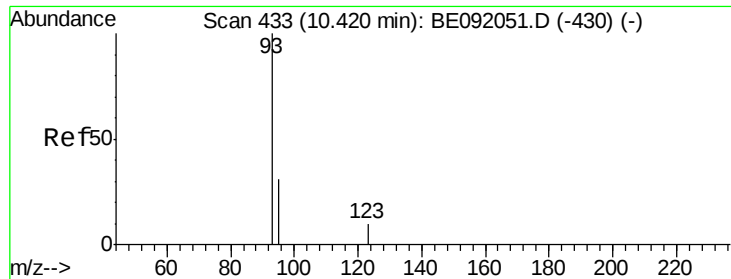


Abundance Ion 77.00 (76.70 to 77.70): BE092051.D (-383) (-)

Ion 123.00 (122.70 to 123.70): BE092051.D (-383) (-)

Ion 65.00 (64.70 to 65.70): BE092051.D (-383) (-)

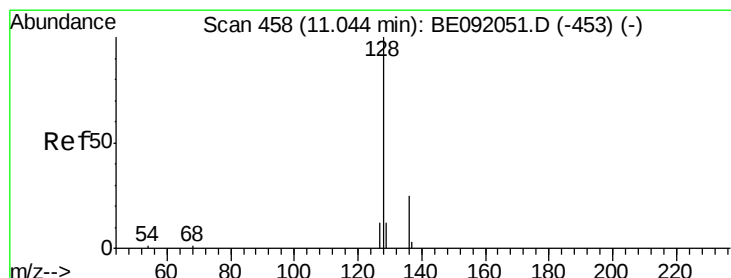
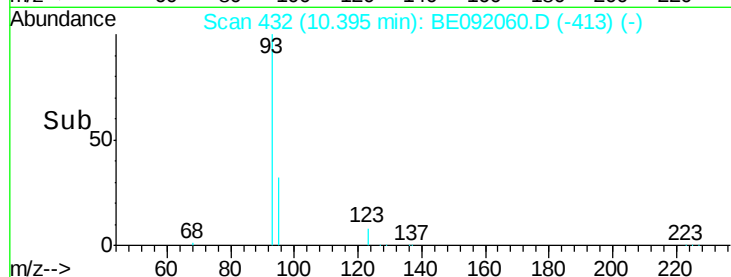
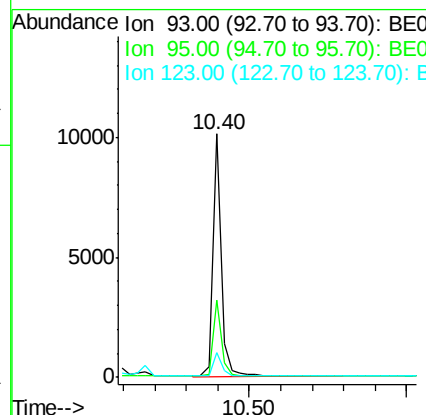
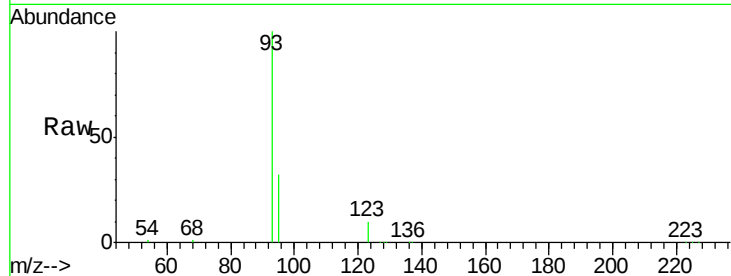
Time-->



#11
bis(2-Chloroethoxy)methane
Concen: 4.09 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.02 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

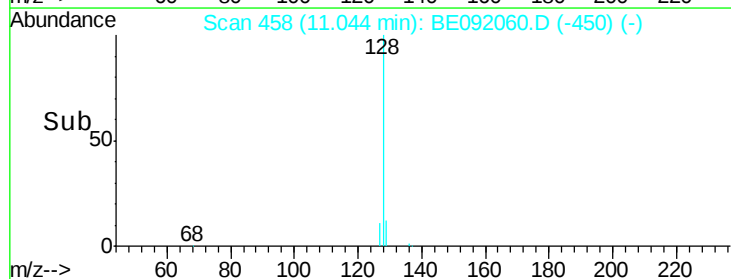
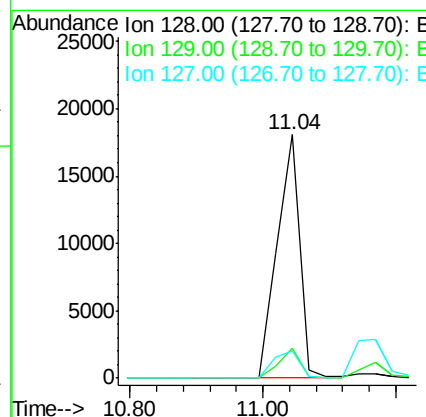
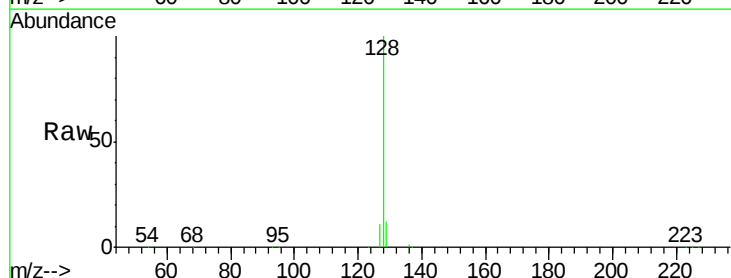
Instrument :
BNA_E
ClientSampleId :
PB92324BS

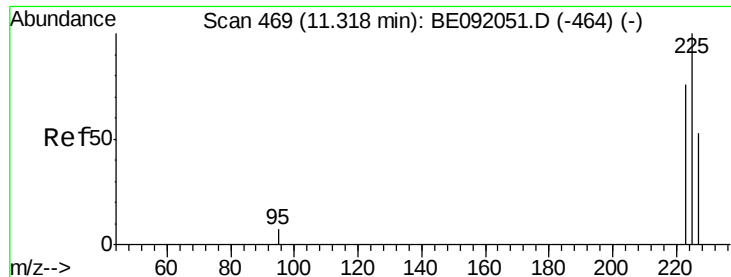
Tgt Ion: 93 Resp: 19008
Ion Ratio Lower Upper
93 100
95 32.3 25.0 37.6
123 9.9 7.8 11.8



#12
Naphthalene
Concen: 3.43 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion: 128 Resp: 41891
Ion Ratio Lower Upper
128 100
129 12.4 11.1 16.7
127 11.3 11.3 16.9

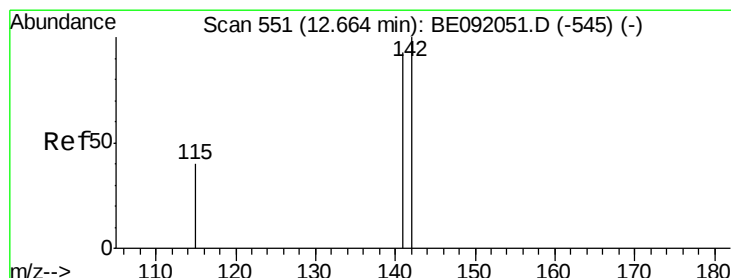
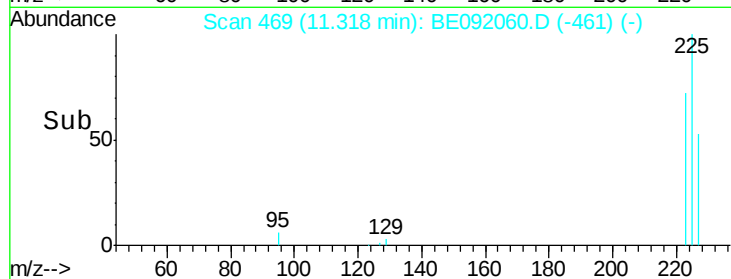
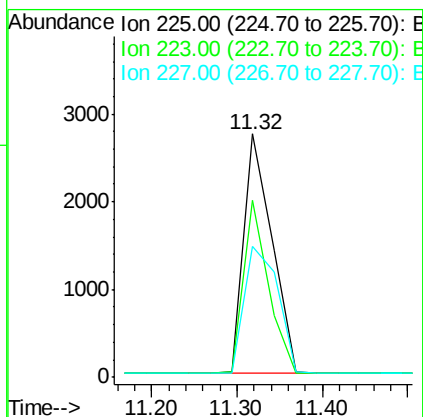
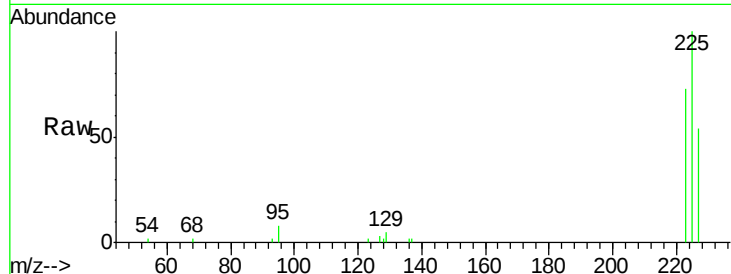




#13
Hexachlorobutadiene
Concen: 3.42 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

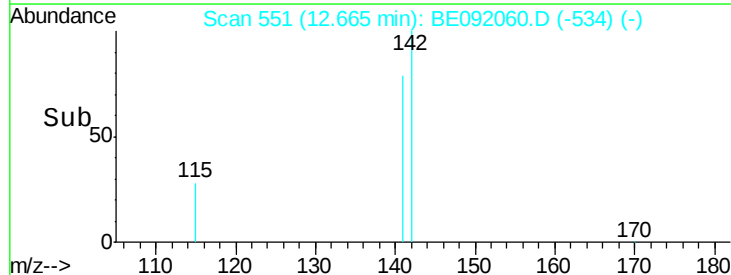
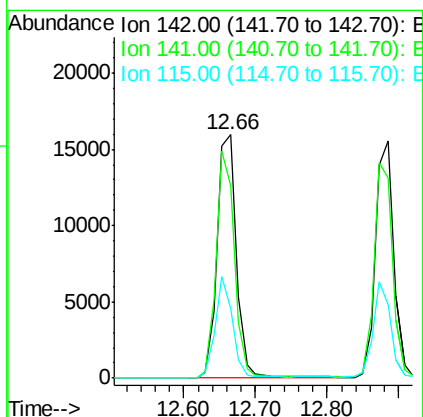
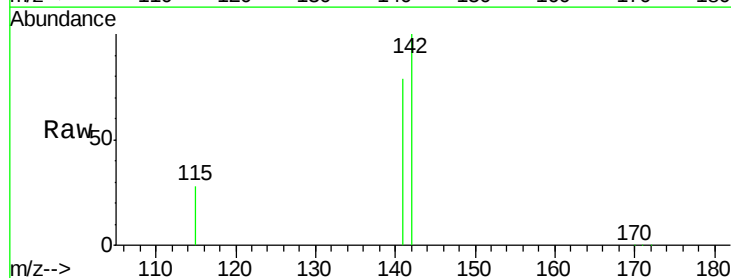
Instrument :
BNA_E
ClientSampleId :
PB92324BS

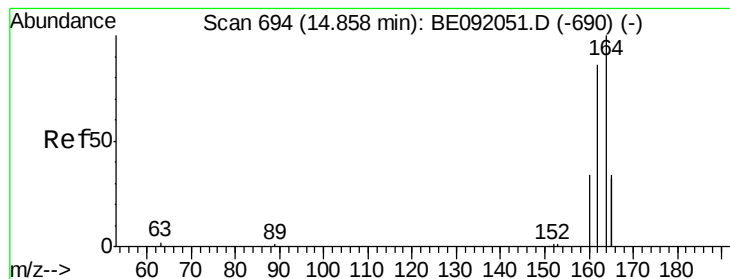
Tgt Ion: 225 Resp: 6269
Ion Ratio Lower Upper
225 100
223 63.6 51.9 77.9
227 62.9 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 3.74 ng
RT: 12.66 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion: 142 Resp: 29525
Ion Ratio Lower Upper
142 100
141 78.9 65.1 97.7
115 28.4 27.0 40.4





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

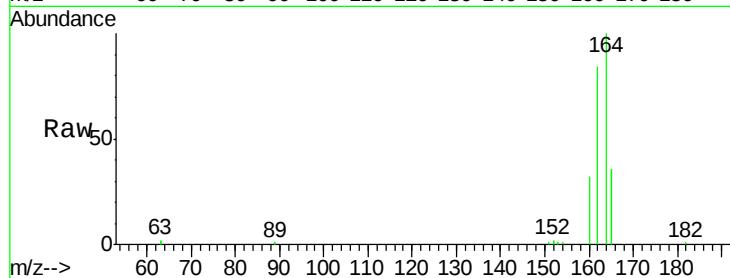
Tgt Ion:164 Resp: 21462

Ion Ratio Lower Upper

164 100

162 84.1 69.5 104.3

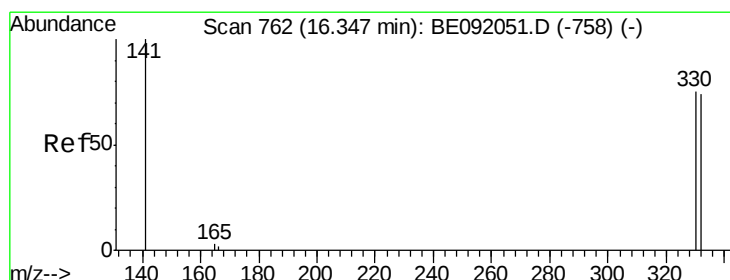
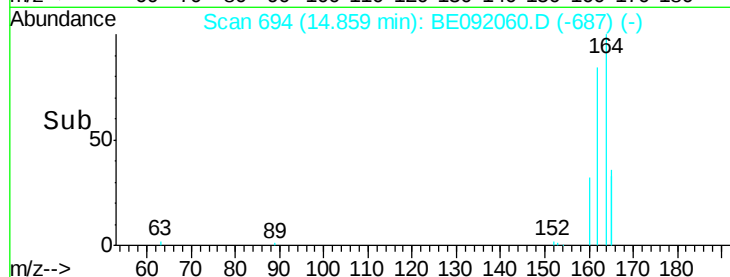
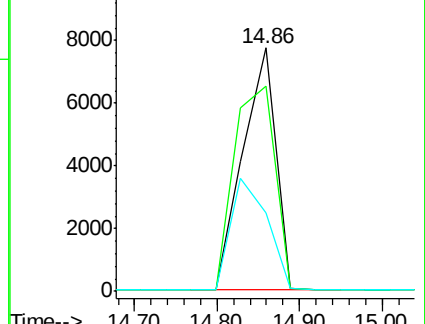
160 32.3 27.6 41.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 6.86 ng

RT: 16.33 min Scan# 761

Delta R.T. -0.02 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

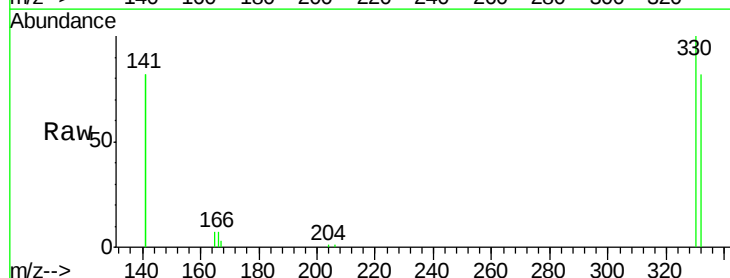
Tgt Ion:330 Resp: 6833

Ion Ratio Lower Upper

330 100

332 95.8 74.2 111.4

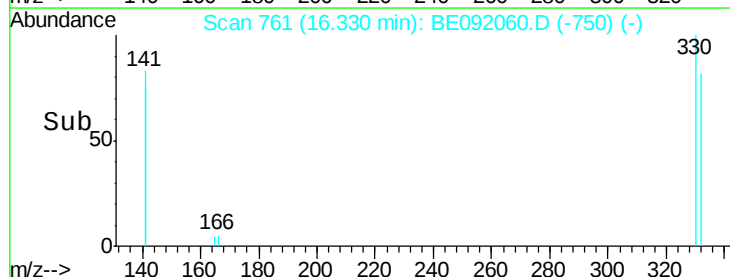
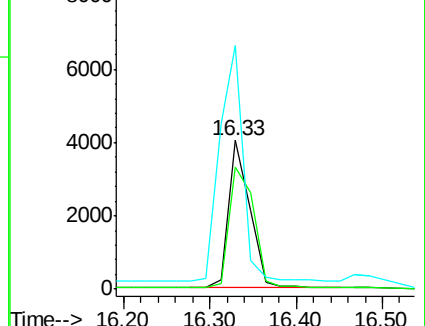
141 178.2 139.8 209.8

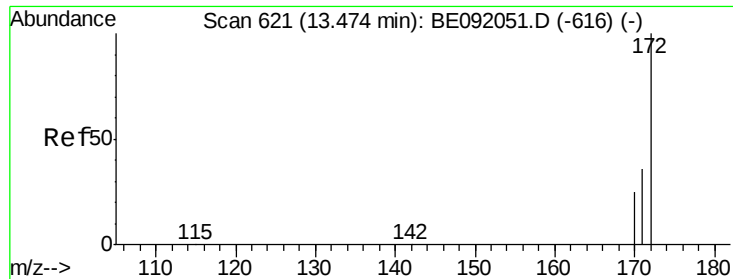


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

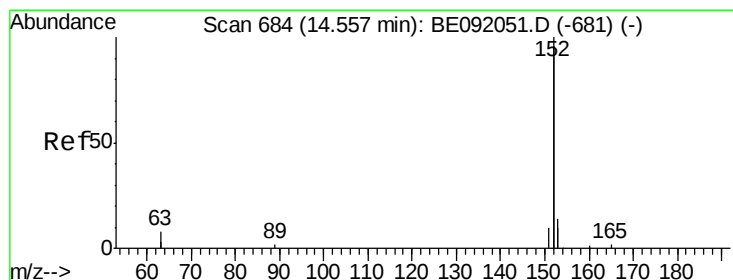
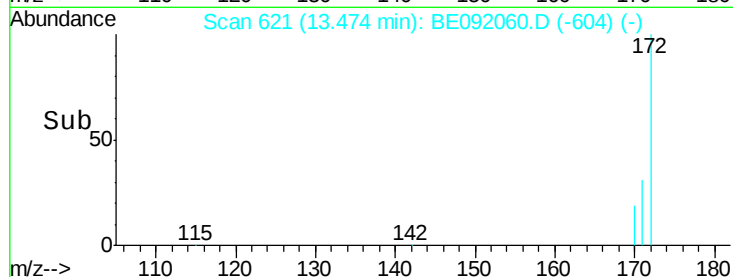
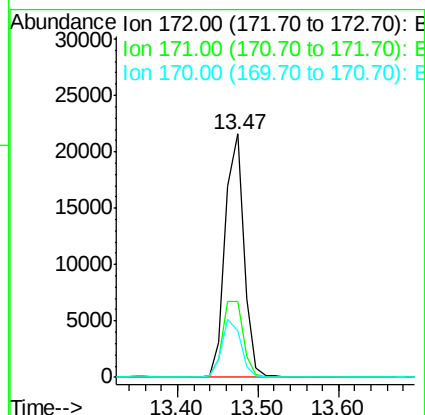
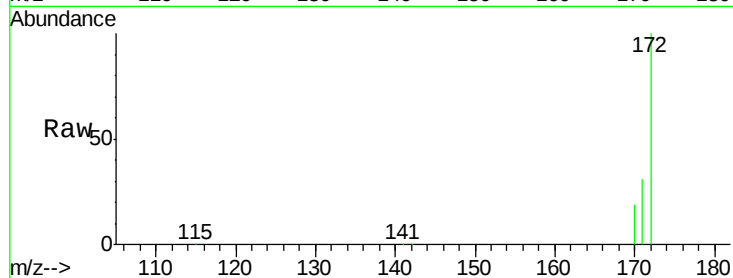




#17
2-Fluorobiphenyl
Concen: 4.01 ng
RT: 13.47 min Scan# 621
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

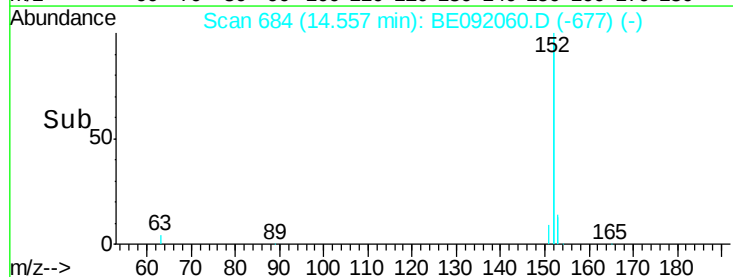
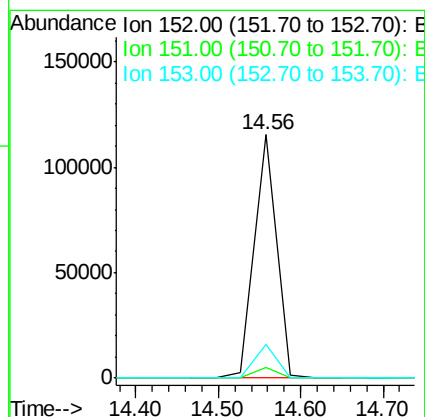
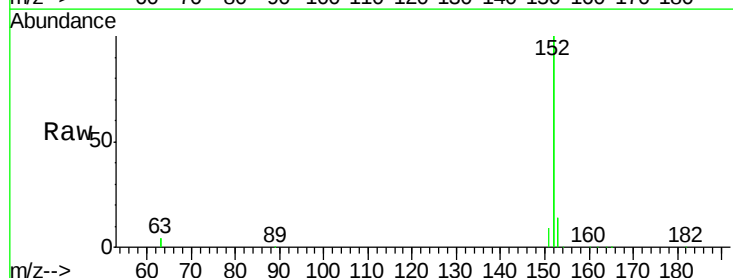
Instrument :
BNA_E
ClientSampleId :
PB92324BS

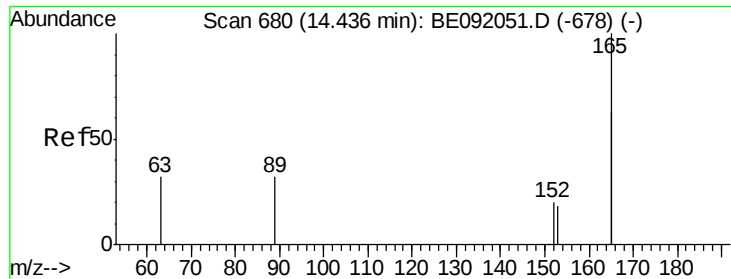
Tgt Ion:172 Resp: 34462
Ion Ratio Lower Upper
172 100
171 31.1 30.3 45.5
170 18.9 21.6 32.4#



#18
Acenaphthylene
Concen: 3.89 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion:152 Resp: 216458
Ion Ratio Lower Upper
152 100
151 4.5 4.0 6.0
153 13.7 9.6 14.4

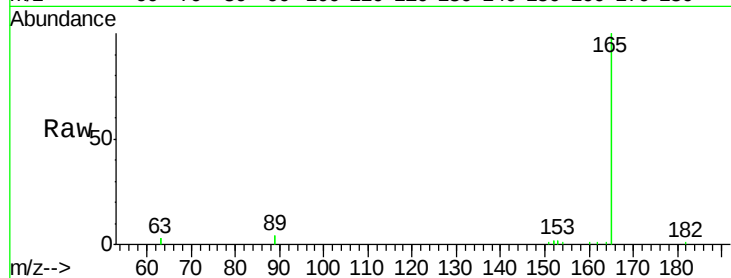




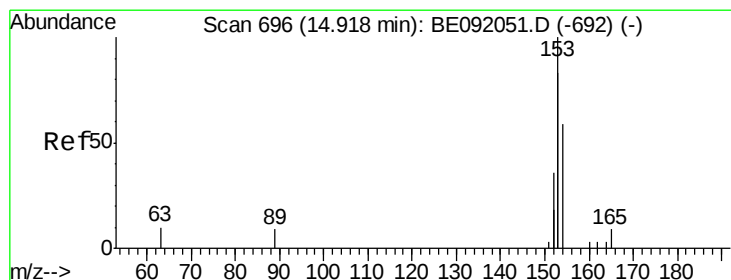
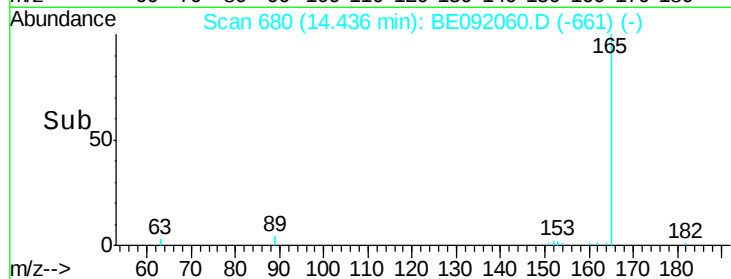
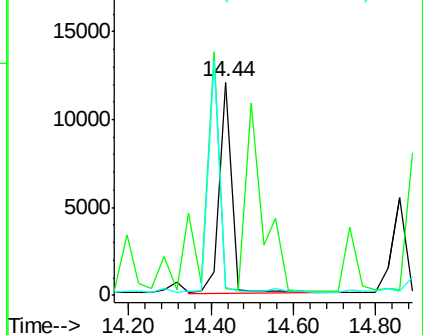
#19
2,6-Dinitrotoluene
Concen: 3.58 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Instrument :
BNA_E
ClientSampleId :
PB92324BS

Tgt Ion:165 Resp: 25080
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 0.0 0.0

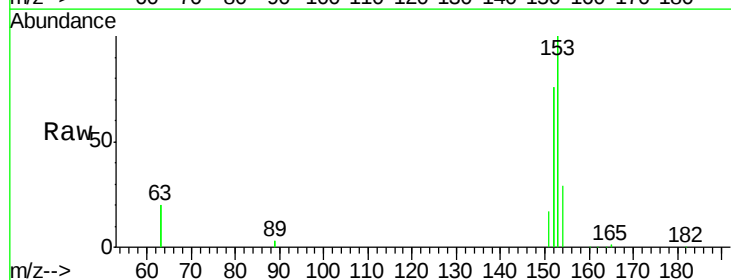


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

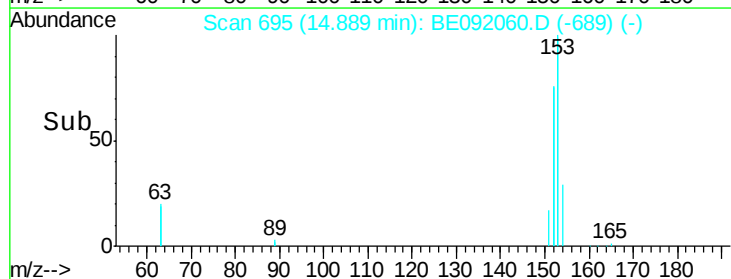
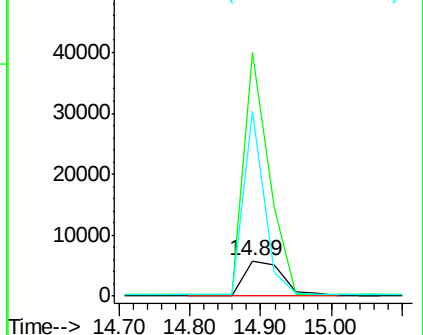


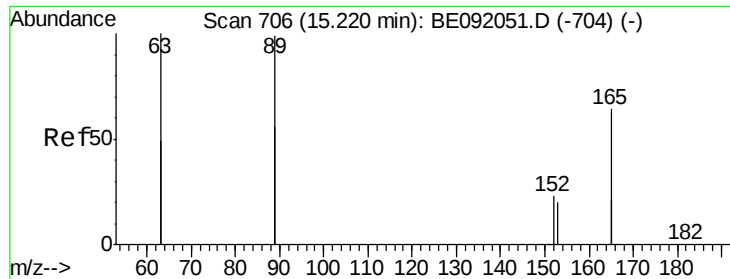
#20
Acenaphthene
Concen: 3.75 ng
RT: 14.89 min Scan# 695
Delta R.T. -0.03 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion:154 Resp: 21970
Ion Ratio Lower Upper
154 100
153 448.4 345.1 517.7
152 279.4 0.0 0.0#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

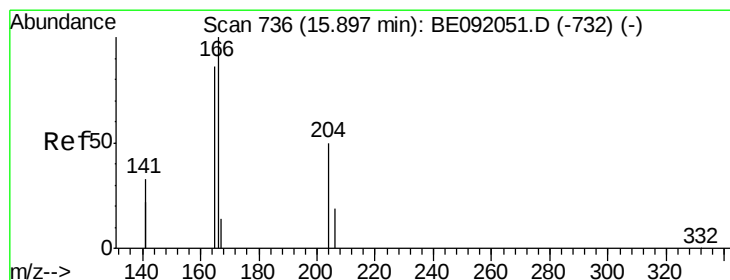
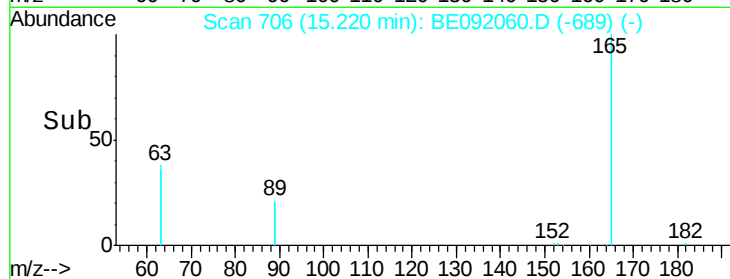
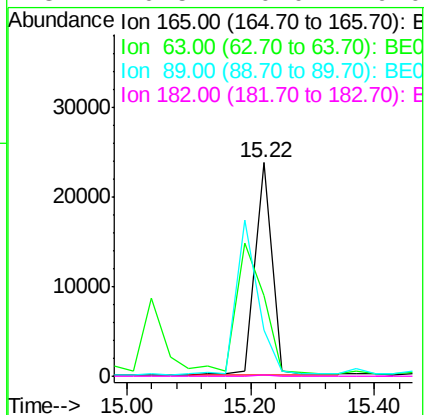
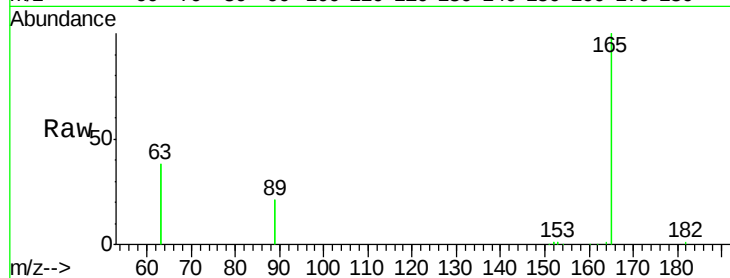




#21
2,4-Dinitrotoluene
Concen: 3.99 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

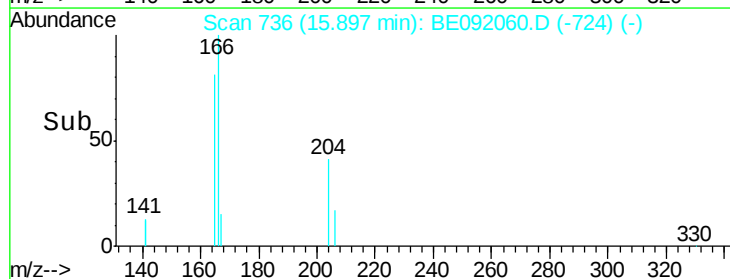
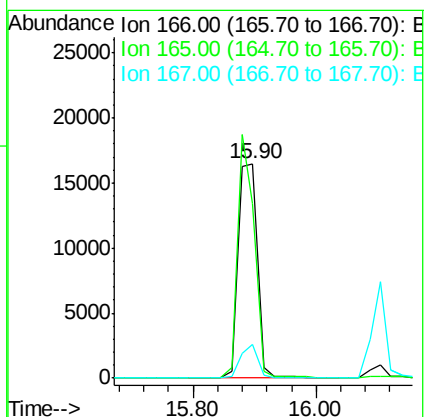
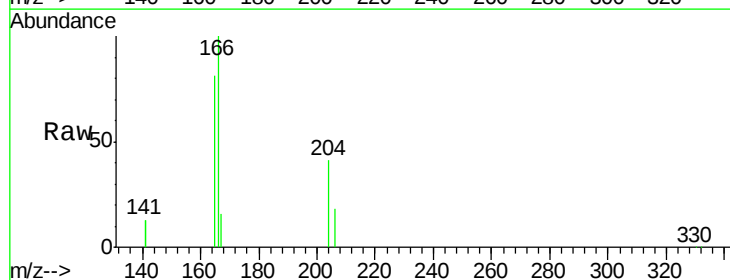
Instrument :
BNA_E
ClientSampleId :
PB92324BS

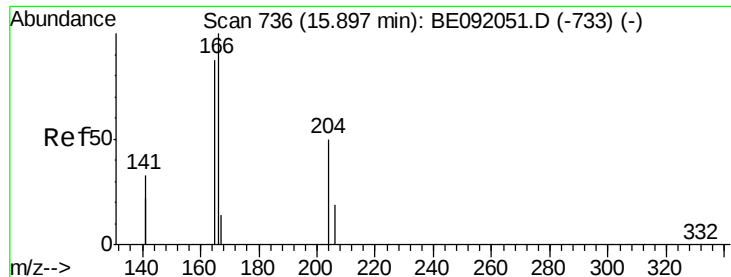
Tgt Ion:165 Resp: 44324
Ion Ratio Lower Upper
165 100
63 0.0 324.0 486.0#
89 0.0 308.4 462.6#
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 3.85 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion:166 Resp: 35453
Ion Ratio Lower Upper
166 100
165 98.4 78.6 118.0
167 13.5 11.1 16.7

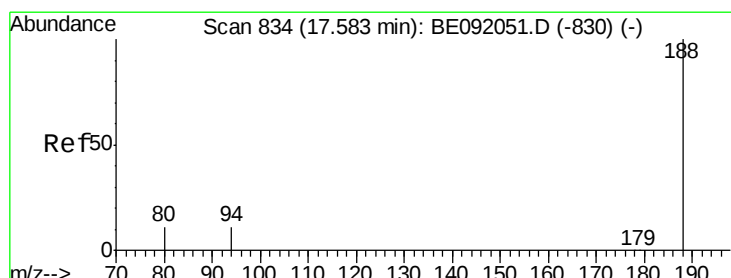
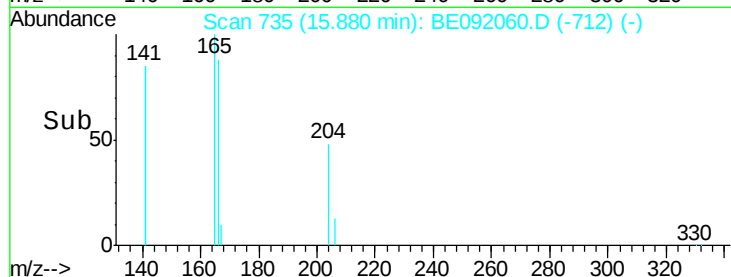
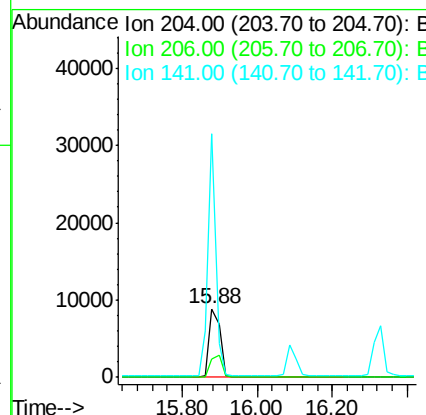
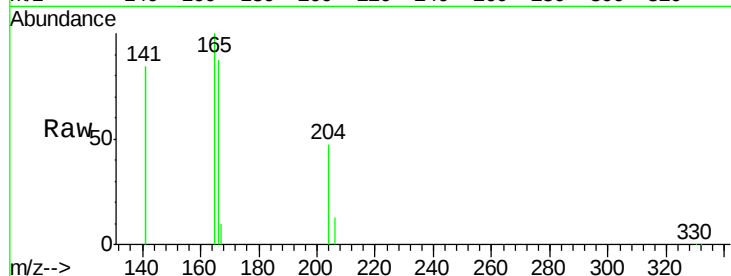




#23
 4-Chlorophenyl-phenylether
 Concen: 3.67 ng
 RT: 15.88 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BE092060.D
 Acq: 27 Jul 2016 17:07

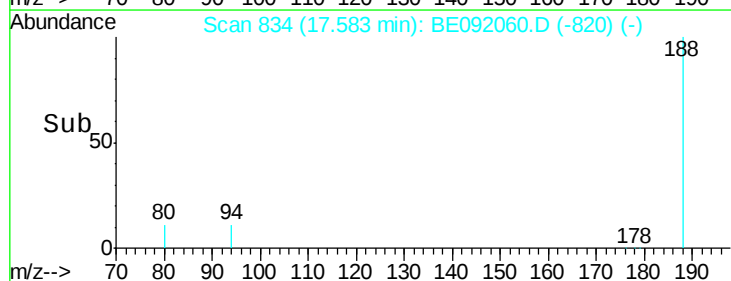
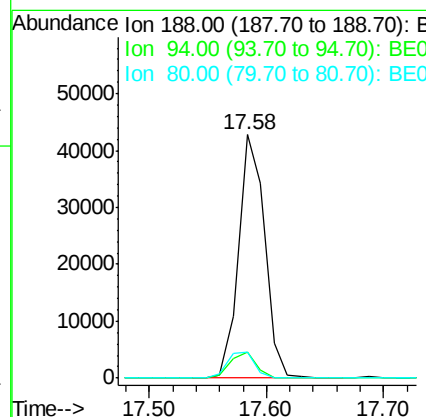
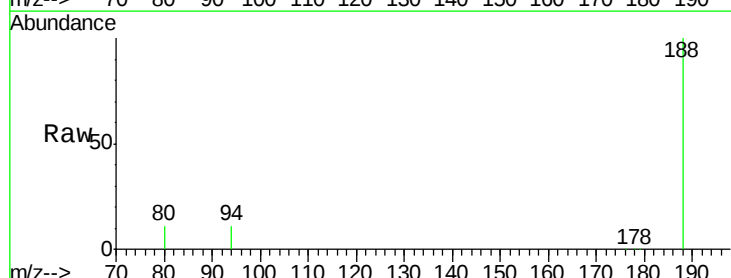
Instrument :
 BNA_E
 ClientSampleId :
 PB92324BS

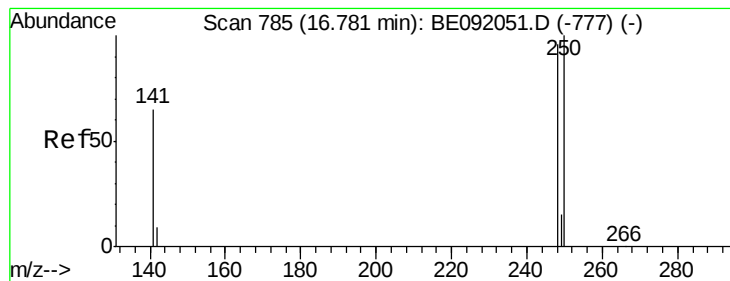
Tgt Ion:204 Resp: 16605
 Ion Ratio Lower Upper
 204 100
 206 33.9 27.0 40.4
 141 260.1 198.5 297.7



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BE092060.D
 Acq: 27 Jul 2016 17:07

Tgt Ion:188 Resp: 66338
 Ion Ratio Lower Upper
 188 100
 94 10.8 3.9 5.9#
 80 10.8 3.4 5.0#





#25

4-Bromophenyl-phenylether

Concen: 3.62 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

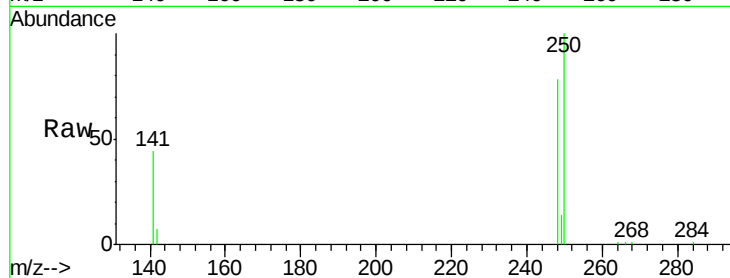
Tgt Ion:248 Resp: 9869

Ion Ratio Lower Upper

248 100

250 98.5 79.6 119.4

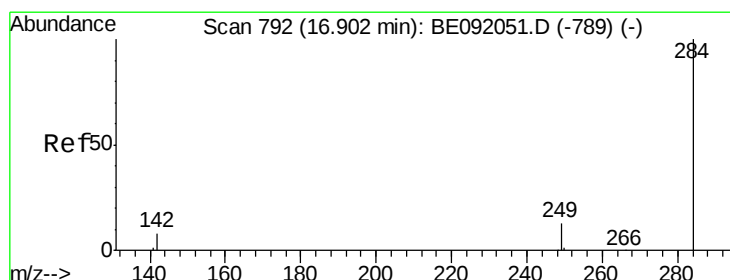
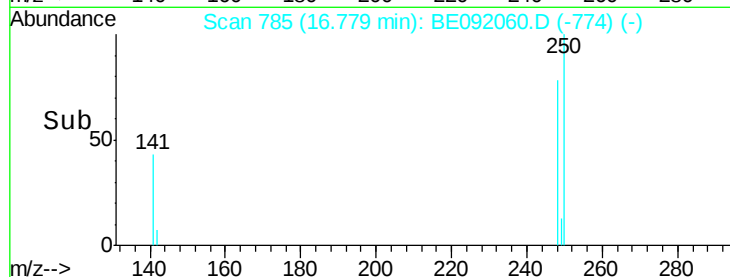
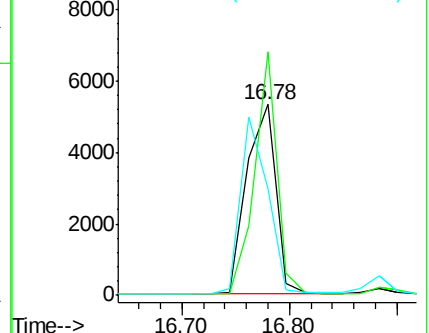
141 85.8 68.7 103.1



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 3.59 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

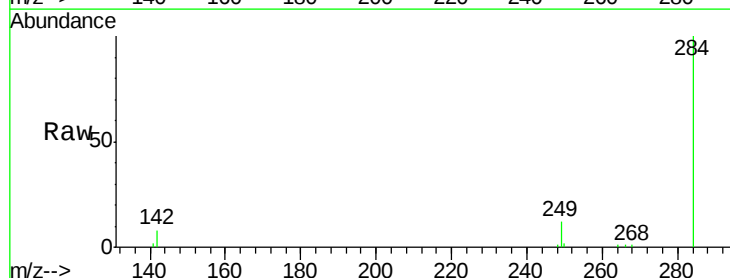
Tgt Ion:284 Resp: 10175

Ion Ratio Lower Upper

284 100

142 42.9 33.3 49.9

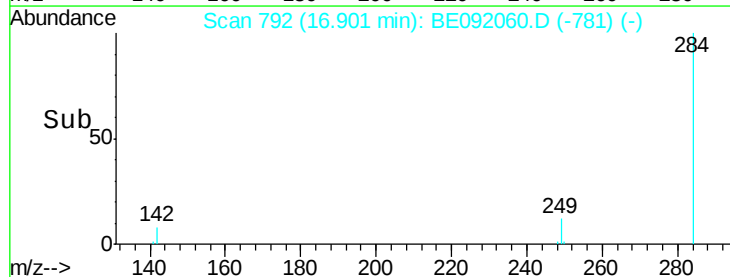
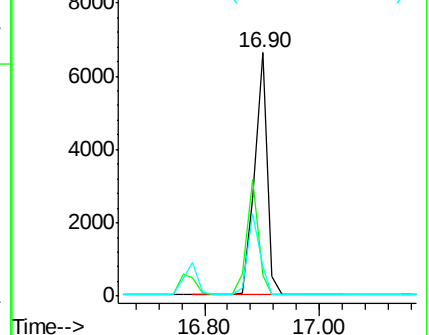
249 32.4 25.4 38.0

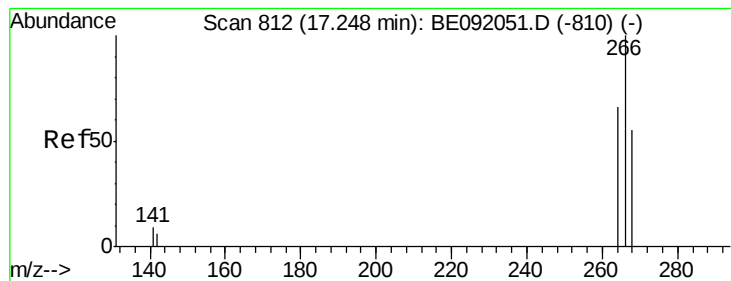


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 6.71 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

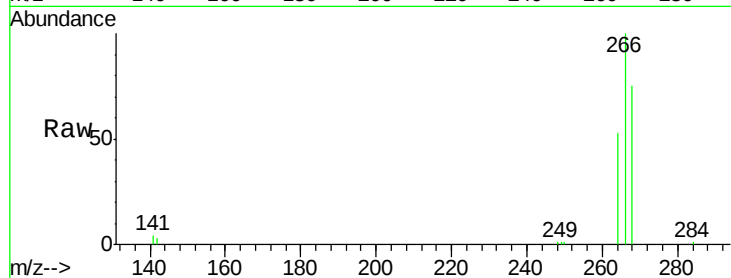
Tgt Ion:266 Resp: 8237

Ion Ratio Lower Upper

266 100

268 75.1 62.7 94.1

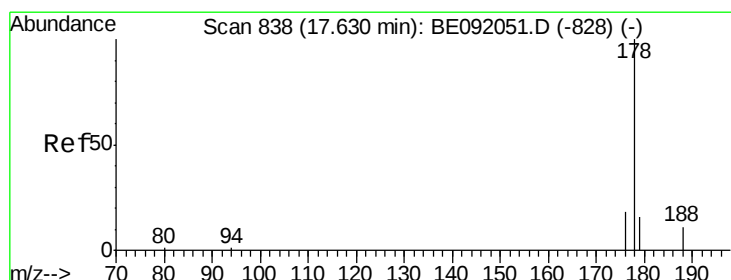
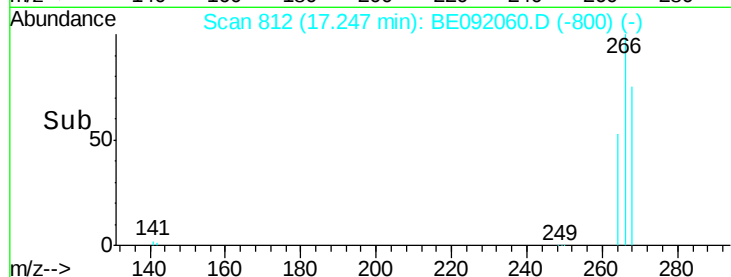
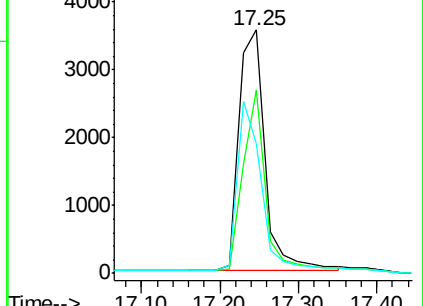
264 53.2 63.5 95.3#



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



#28

Phenanthrene

Concen: 3.63 ng

RT: 17.63 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

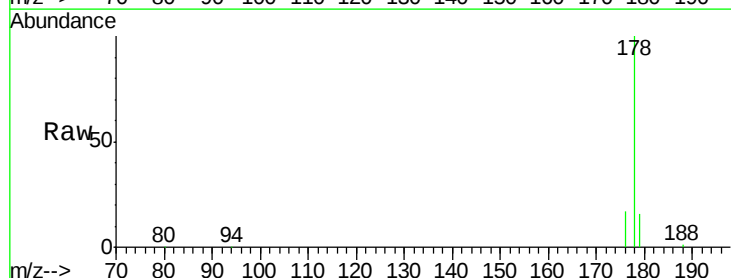
Tgt Ion:178 Resp: 61173

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

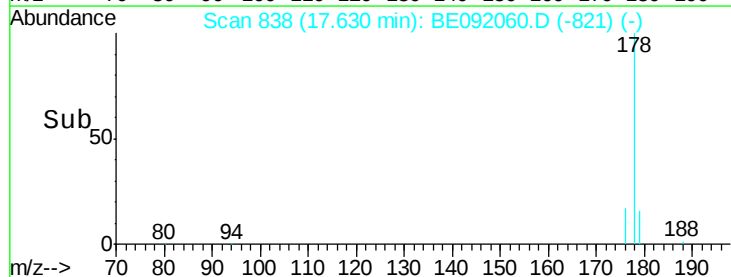
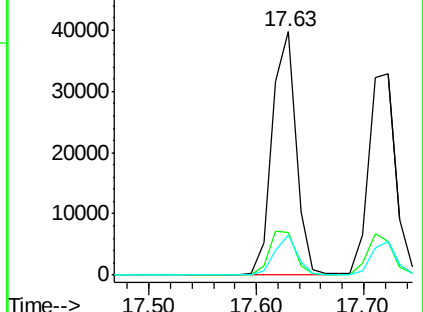
179 15.3 12.7 19.1

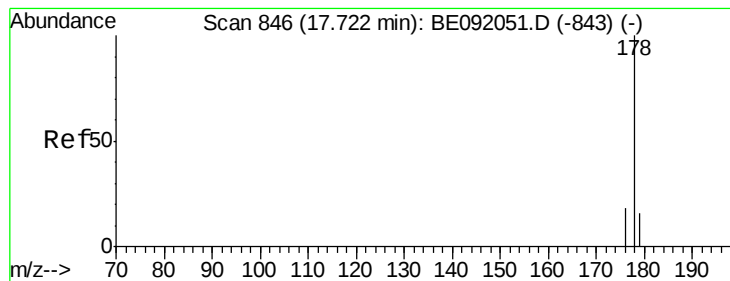


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.77 ng

RT: 17.72 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

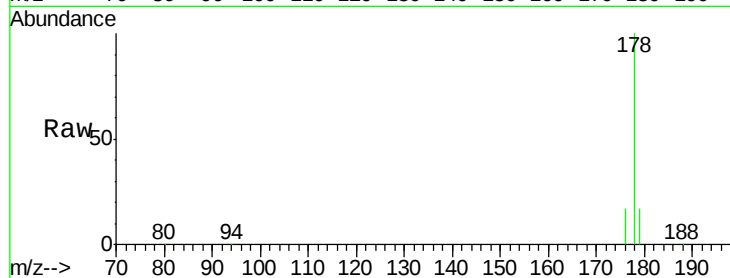
Tgt Ion:178 Resp: 57876

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

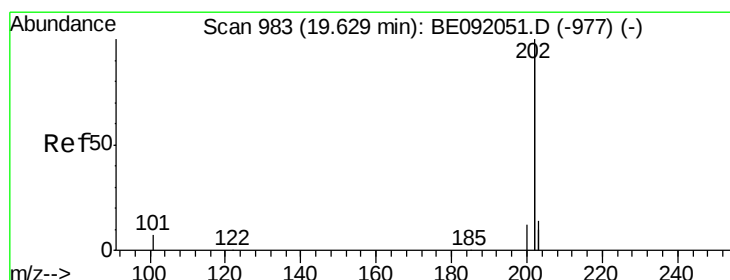
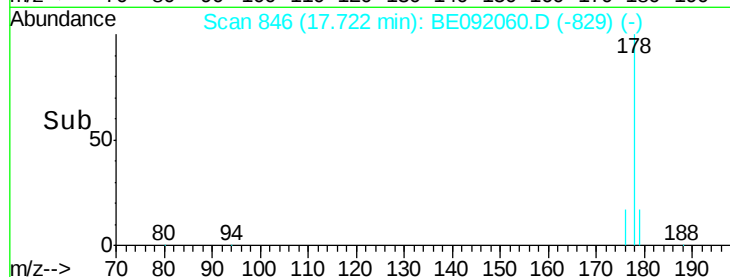
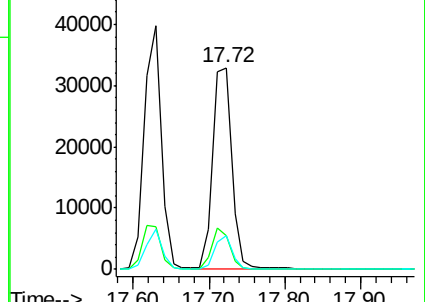
179 15.2 12.2 18.4



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



#30

Fluoranthene

Concen: 4.06 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

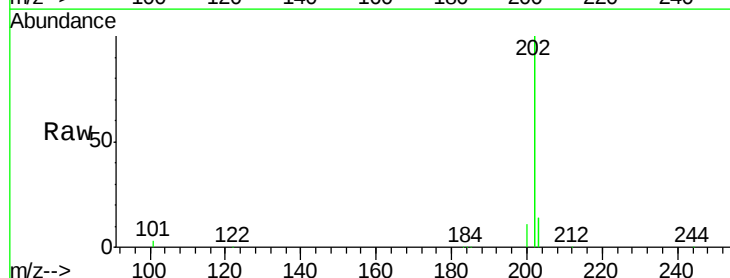
Tgt Ion:202 Resp: 304786

Ion Ratio Lower Upper

202 100

101 2.3 2.2 3.2

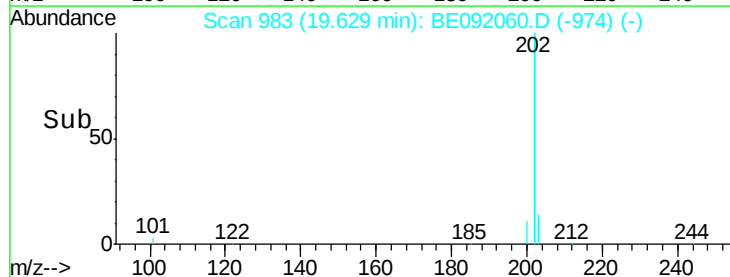
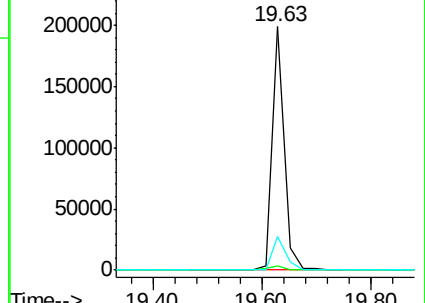
203 15.8 13.0 19.4

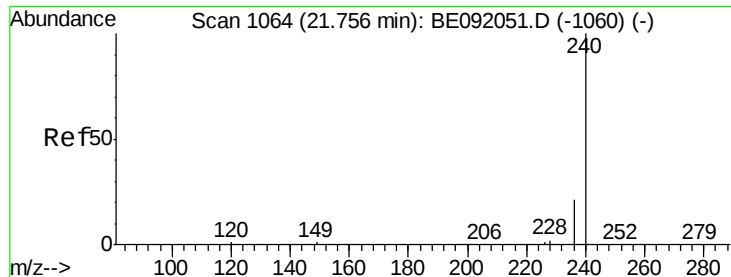


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

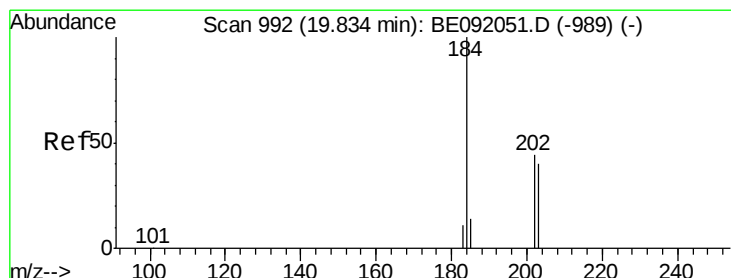
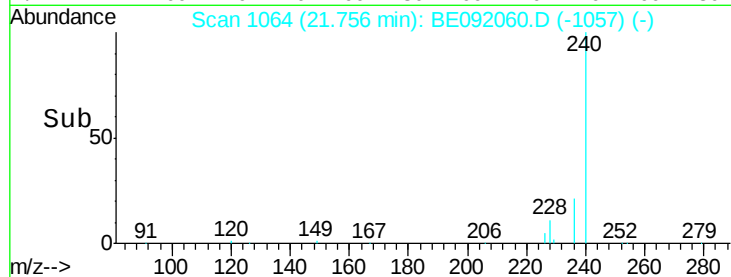
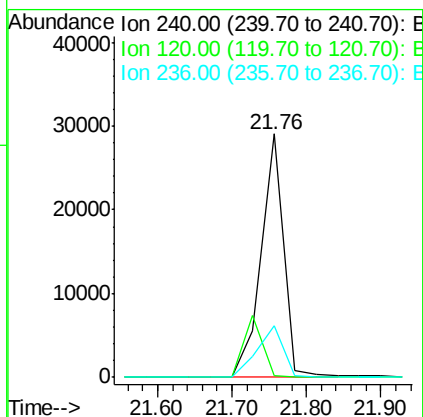
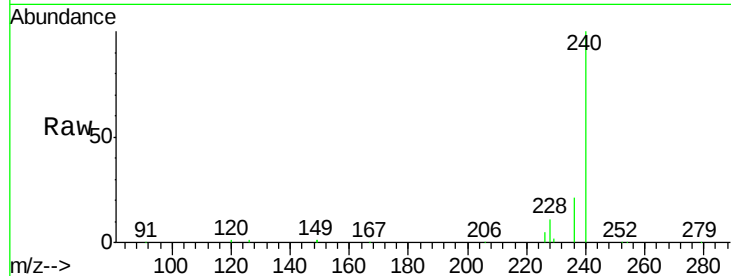




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

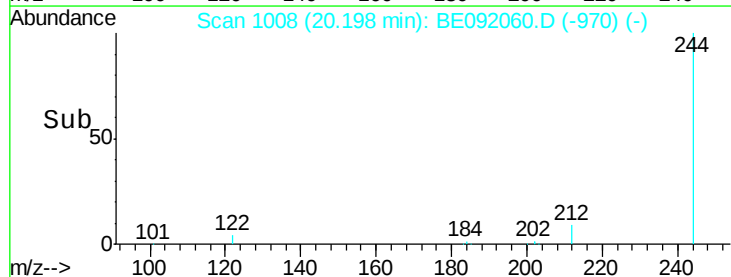
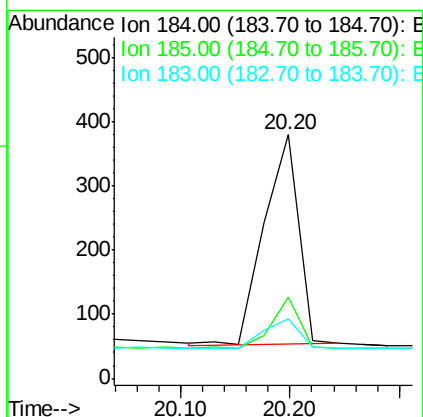
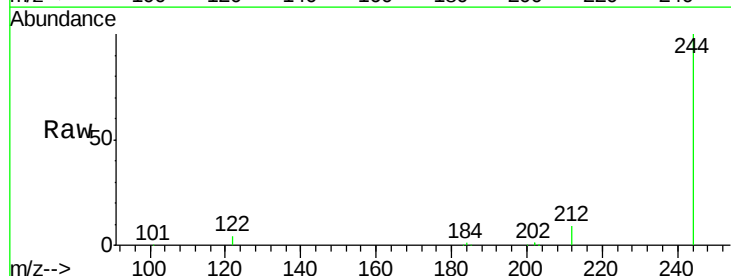
Instrument :
BNA_E
ClientSampleId :
PB92324BS

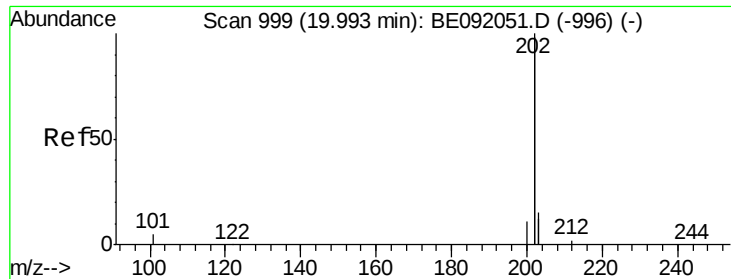
Tgt Ion: 240 Resp: 61585
Ion Ratio Lower Upper
240 100
120 0.8 0.6 1.0
236 21.3 18.2 27.4



#32
Benzidine
Concen: 0.31 ng
RT: 20.20 min Scan# 1008
Delta R.T. 0.37 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion: 184 Resp: 724
Ion Ratio Lower Upper
184 100
185 33.2 23.8 35.6
183 24.2 20.7 31.1

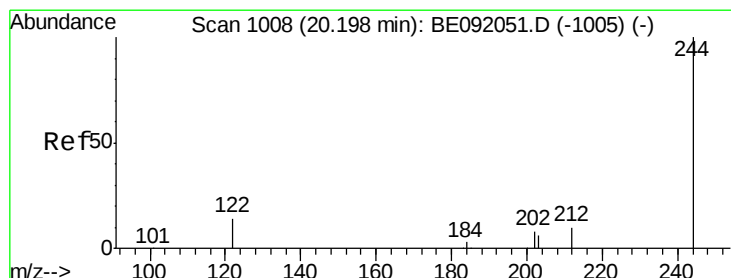
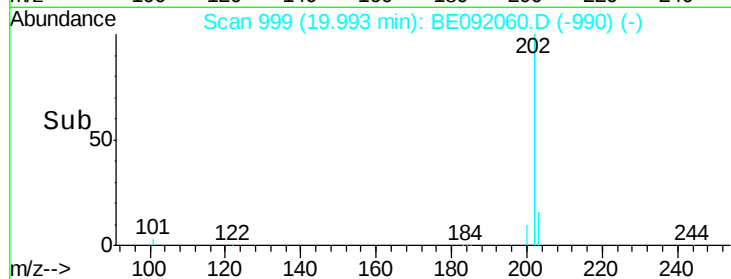
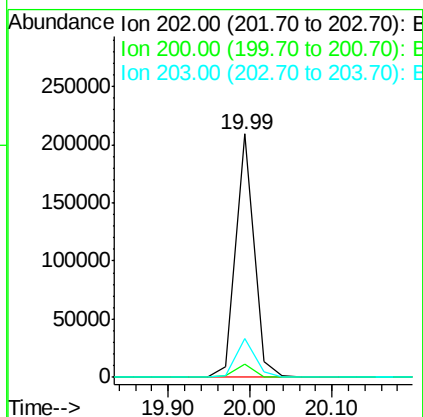
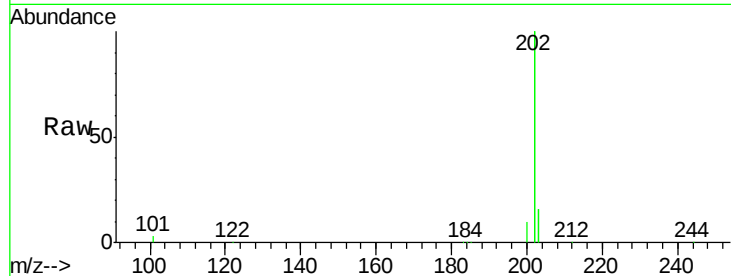




#33
Pyrene
Concen: 4.01 ng
RT: 19.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

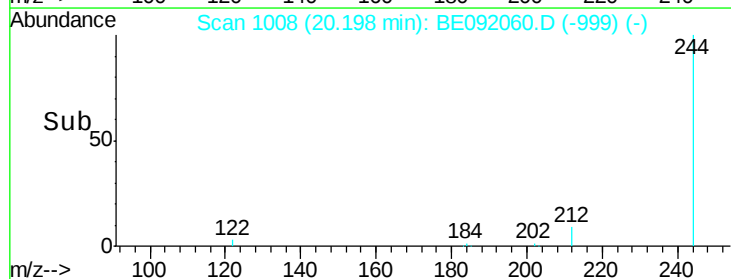
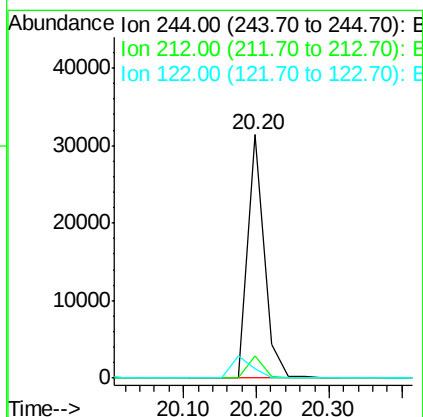
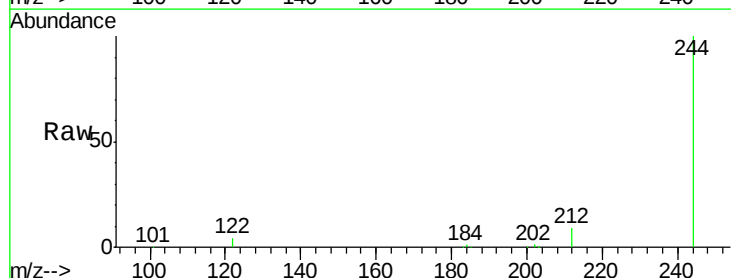
Instrument :
BNA_E
ClientSampleId :
PB92324BS

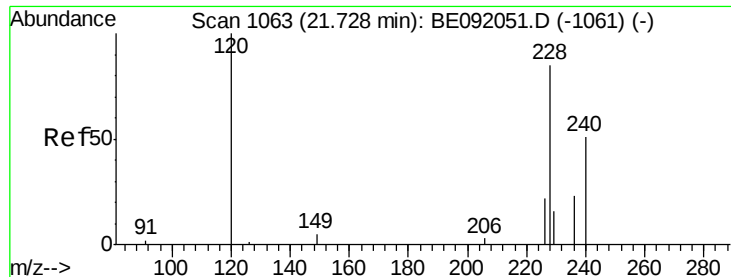
Tgt Ion: 202 Resp: 318072
Ion Ratio Lower Upper
202 100
200 5.3 4.4 6.6
203 17.3 13.4 20.0



#34
Terphenyl-d14
Concen: 4.30 ng
RT: 20.20 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BE092060.D
Acq: 27 Jul 2016 17:07

Tgt Ion: 244 Resp: 49368
Ion Ratio Lower Upper
244 100
212 9.3 9.1 13.7
122 4.1 11.0 16.4#





#35

Benzo(a)anthracene

Concen: 6.72 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

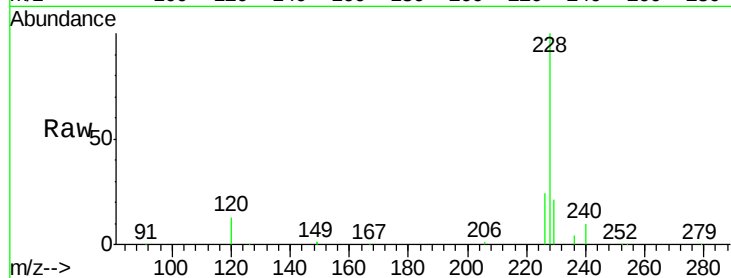
Tgt Ion:228 Resp: 172052

Ion Ratio Lower Upper

228 100

226 24.2 22.1 33.1

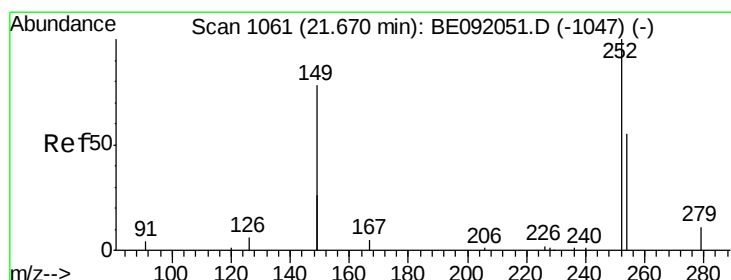
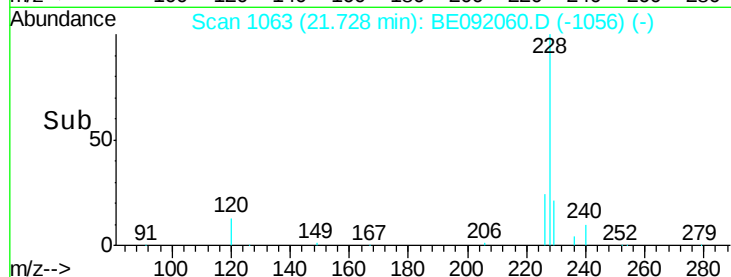
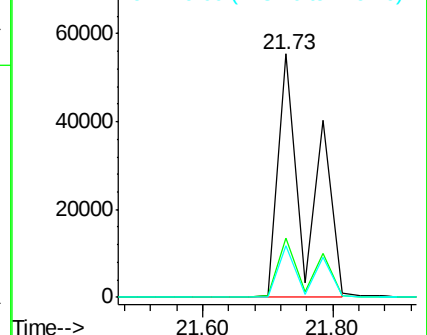
229 21.3 15.1 22.7



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



#36

3,3'-Dichlorobenzidine

Concen: 2.05 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

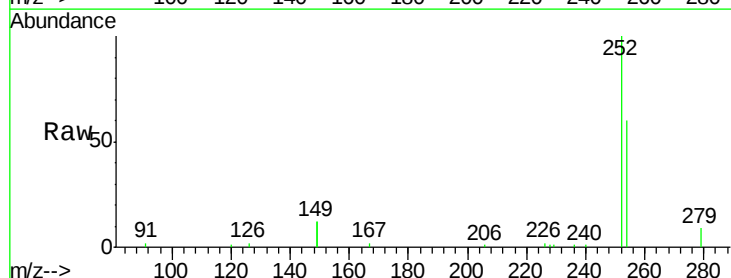
Tgt Ion:252 Resp: 15174

Ion Ratio Lower Upper

252 100

254 60.2 44.2 66.2

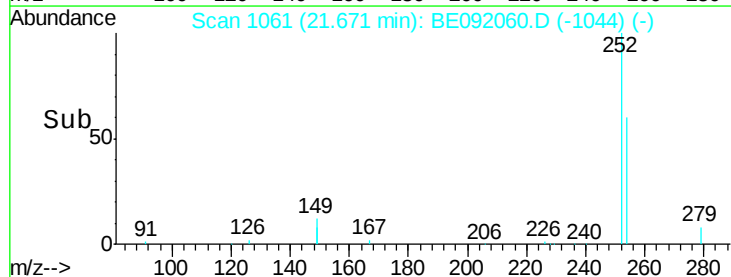
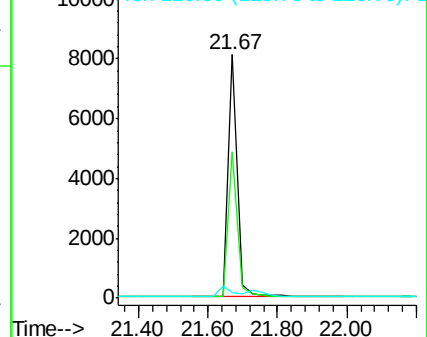
126 2.4 10.6 15.8#

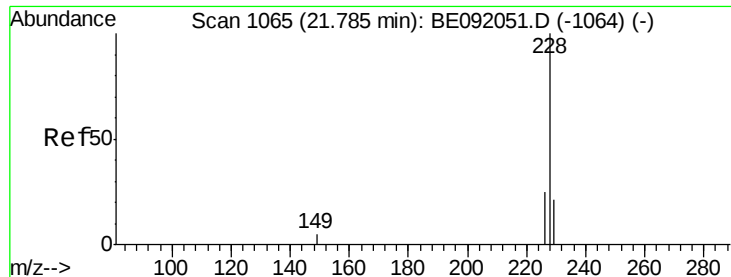


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 9.81 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

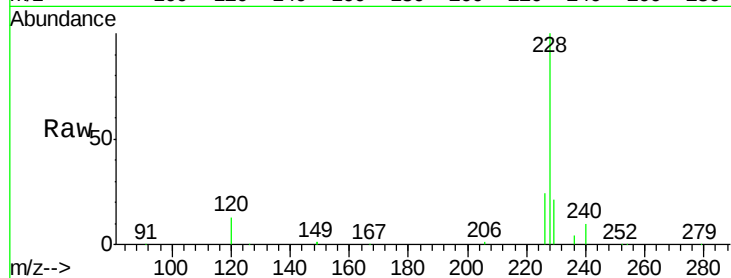
Tgt Ion:228 Resp: 173210

Ion Ratio Lower Upper

228 100

226 24.2 22.3 33.5

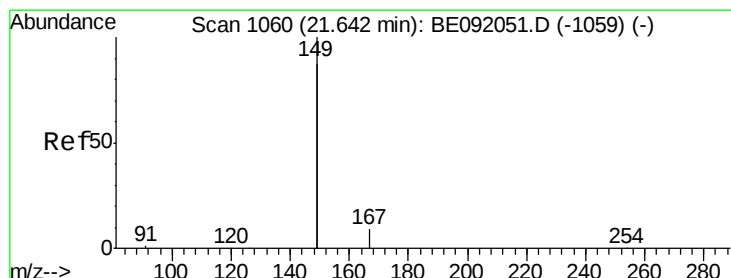
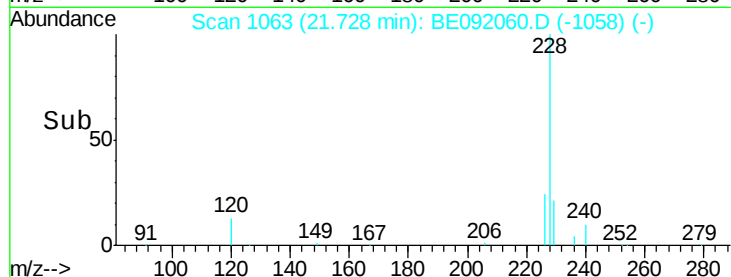
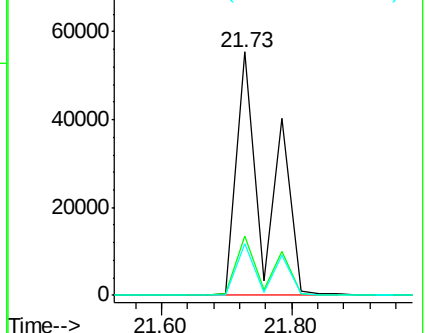
229 21.3 16.9 25.3



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 4.23 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

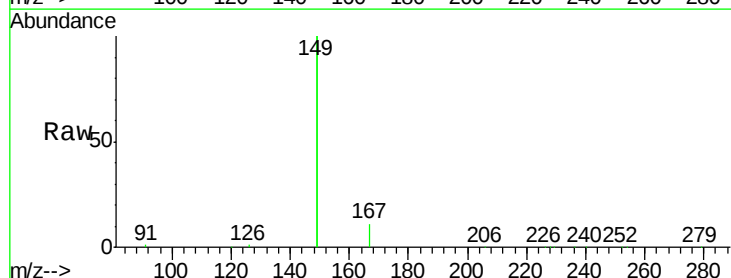
Tgt Ion:149 Resp: 249954

Ion Ratio Lower Upper

149 100

167 5.4 3.8 5.6

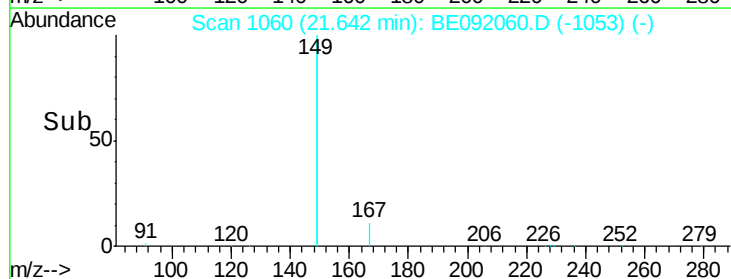
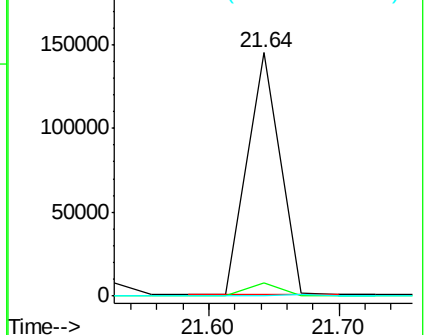
279 0.0 0.0 0.0

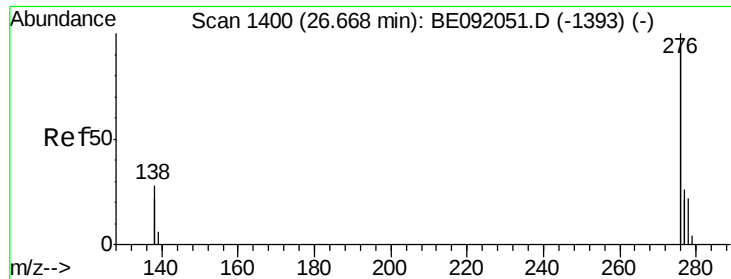


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.59 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

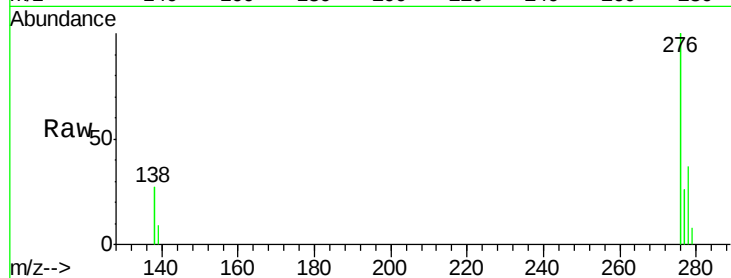
Tgt Ion:276 Resp: 331287

Ion Ratio Lower Upper

276 100

138 27.3 21.2 31.8

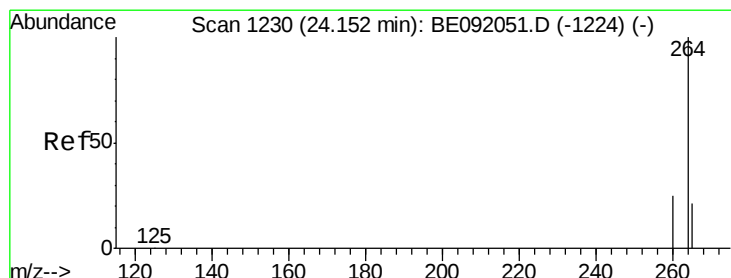
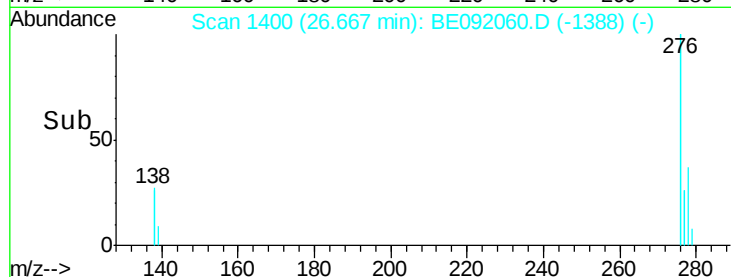
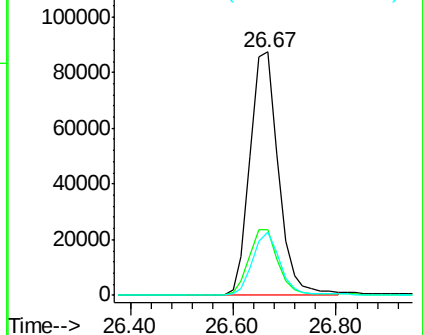
277 24.8 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

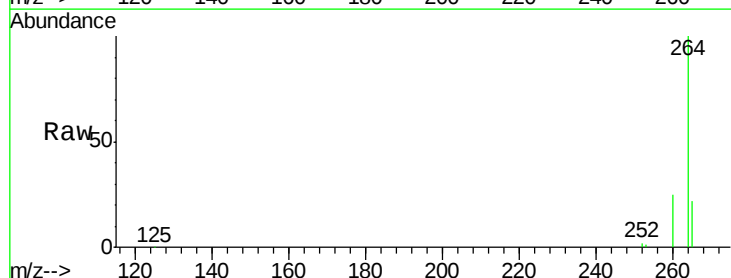
Tgt Ion:264 Resp: 73698

Ion Ratio Lower Upper

264 100

260 25.0 20.8 31.2

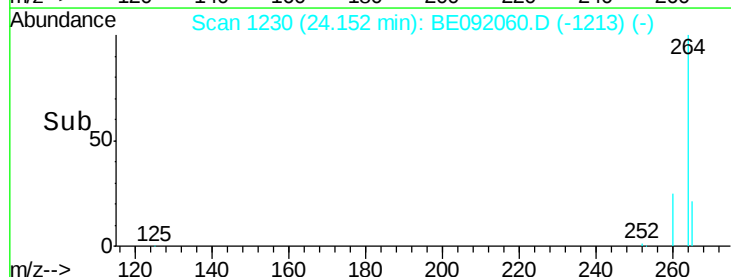
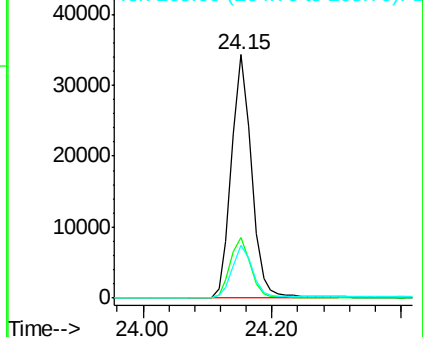
265 21.6 16.6 25.0

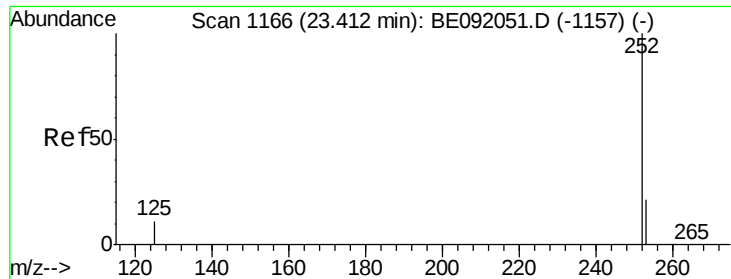


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.93 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

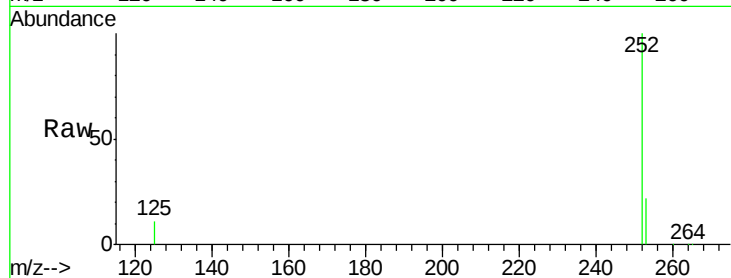
Tgt Ion:252 Resp: 77253

Ion Ratio Lower Upper

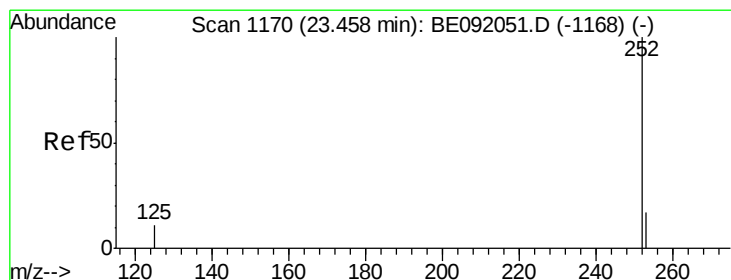
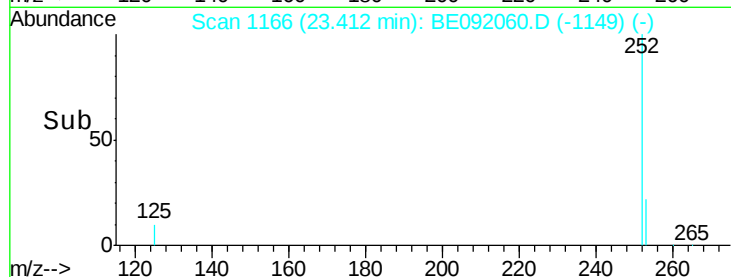
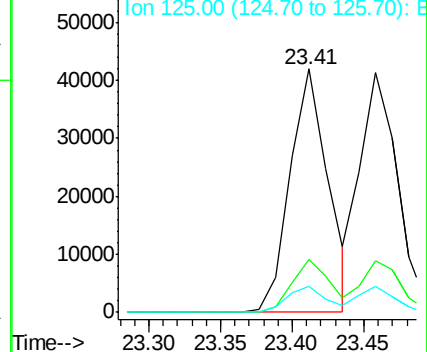
252 100

253 21.6 17.4 26.0

125 10.6 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 3.78 ng

RT: 23.46 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

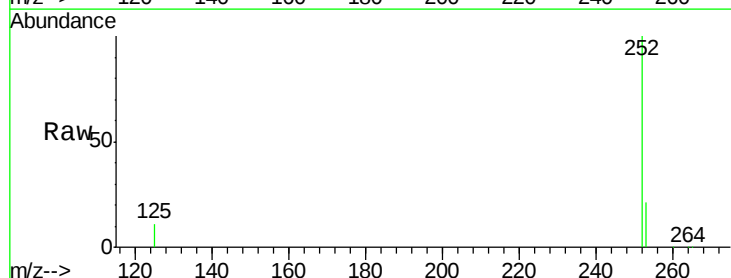
Tgt Ion:252 Resp: 76523

Ion Ratio Lower Upper

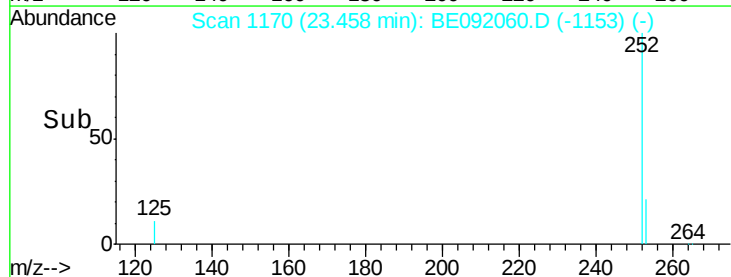
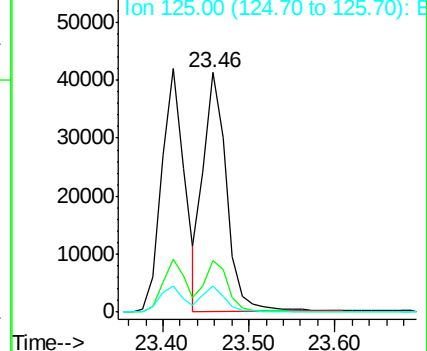
252 100

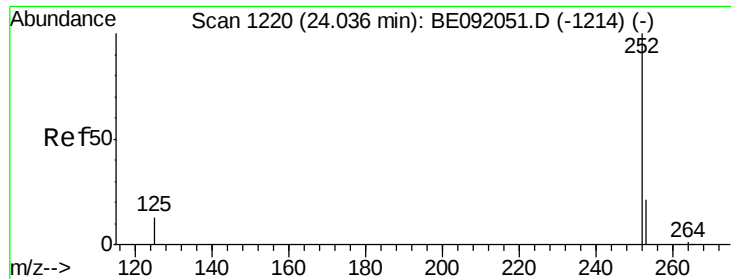
253 21.4 19.4 29.0

125 10.7 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 3.81 ng

RT: 24.04 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS

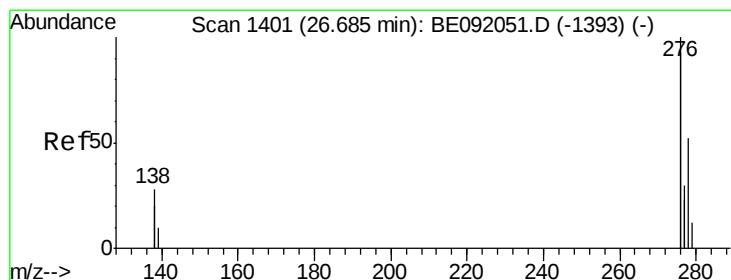
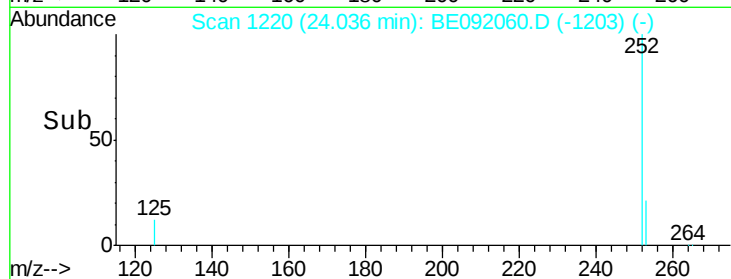
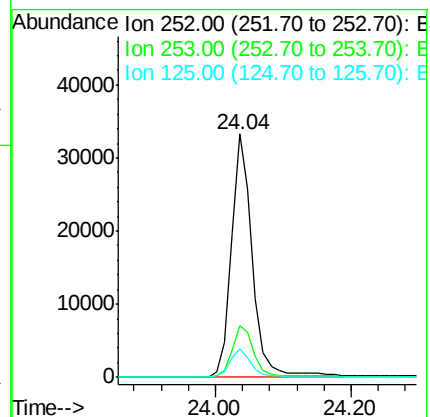
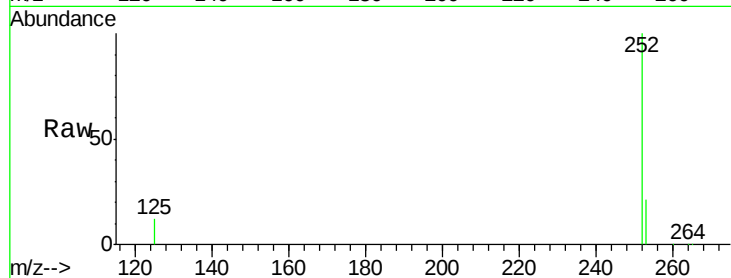
Tgt Ion:252 Resp: 71566

Ion Ratio Lower Upper

252 100

253 21.3 19.8 29.8

125 11.7 10.4 15.6



#44

Dibenzo(a,h)anthracene

Concen: 4.24 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092060.D

Acq: 27 Jul 2016 17:07

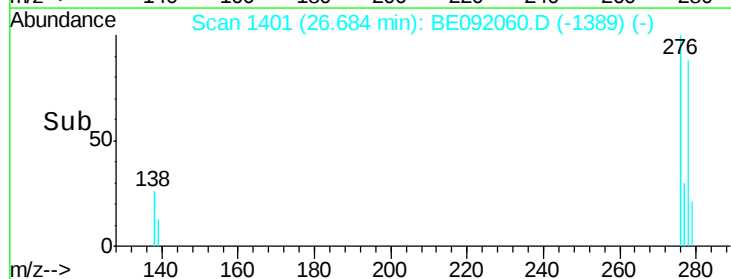
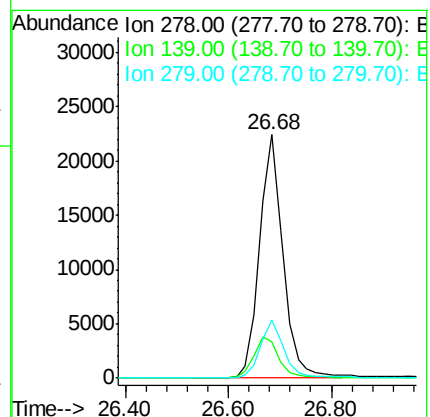
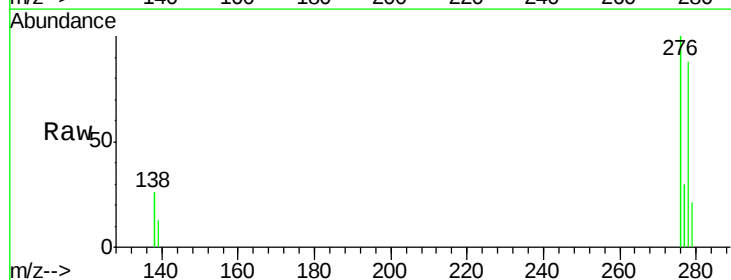
Tgt Ion:278 Resp: 69417

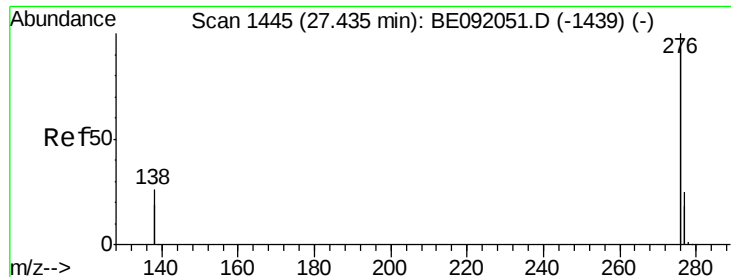
Ion Ratio Lower Upper

278 100

139 14.8 16.7 25.1#

279 23.8 20.3 30.5





#45

Benzo(g,h,i)perylene

Concen: 4.11 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092060.D

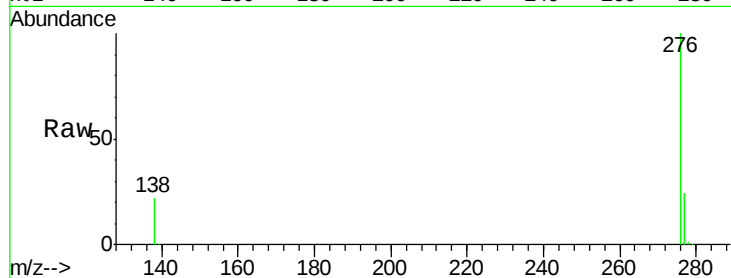
Acq: 27 Jul 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB92324BS



Tgt Ion: 276 Resp: 281264

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 22.2 20.8 31.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

