

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092027.D
 Acq On : 23 Jul 2016 4:28
 Operator : UM/SJ
 Sample : PB92324BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92324BS

Quant Time: Jul 23 05:12:36 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	23995	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	115997	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	71370	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	158050	5.00	ng	0.00
31) Chrysene-d12	21.76	240	201160	5.00	ng	0.00
40) Perylene-d12	24.15	264	175787	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	42919	9.23	ng	0.00
5) Phenol-d6	7.35	99	59609	7.22	ng	-0.02
9) Nitrobenzene-d5	9.37	82	31137	4.46	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	16378	6.64	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	73907	3.94	ng	-0.01
34) Terphenyl-d14	20.20	244	99834	4.94	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	8951	2.76	ng	# 82
3) n-Nitrosodimethylamine	3.80	42	16537	3.77	ng	80
6) bis(2-Chloroethyl)ether	7.61	93	26054	3.78	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	22261	3.78	ng	# 98
10) Nitrobenzene	9.40	77	31581	3.38	ng	# 99
11) bis(2-Chloroethoxy)methane	10.40	93	35330	4.04	ng	# 18
12) Naphthalene	11.04	128	87697	3.33	ng	98
13) Hexachlorobutadiene	11.34	225	12314	3.27	ng	98
14) 2-Methylnaphthalene	12.66	142	60823	3.68	ng	99
18) Acenaphthylene	14.56	152	450088	4.10	ng	# 71
19) 2,6-Dinitrotoluene	14.44	165	77185	3.78	ng	# 10
20) Acenaphthene	14.92	154	63539	3.41	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	100152	3.80	ng	# 1
22) Fluorene	15.90	166	81061	3.65	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	37261	3.38	ng	91
25) 4-Bromophenyl-phenylether	16.78	248	24040	3.65	ng	99
26) Hexachlorobenzene	16.90	284	24042	3.54	ng	98
27) Pentachlorophenol	17.25	266	21177	6.32	ng	91
28) Phenanthrene	17.63	178	146129	3.58	ng	99
29) Anthracene	17.72	178	139881	3.78	ng	100
30) Fluoranthene	19.63	202	634668	3.89	ng	# 89
32) Benzidine	19.83	184	5332	0.71	ng	# 92
33) Pyrene	19.99	202	749566	5.14	ng	# 81
35) Benzo(a)anthracene	21.73	228	475477	10.49	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	37264	3.45	ng	# 74
37) Chrysene	21.73	228	478368	8.66	ng	92
38) Bis(2-ethylhexyl)phthalate	21.64	149	469790	11.84	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	755883	4.99	ng	98
41) Benzo(b)fluoranthene	23.41	252	172952	3.75	ng	97
42) Benzo(k)fluoranthene	23.46	252	184720	3.93	ng	94
43) Benzo(a)pyrene	24.05	252	165570	3.86	ng	97
44) Dibenzo(a,h)anthracene	26.68	278	155282	4.05	ng	96
45) Benzo(g,h,i)perylene	27.43	276	627913	4.00	ng	96

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

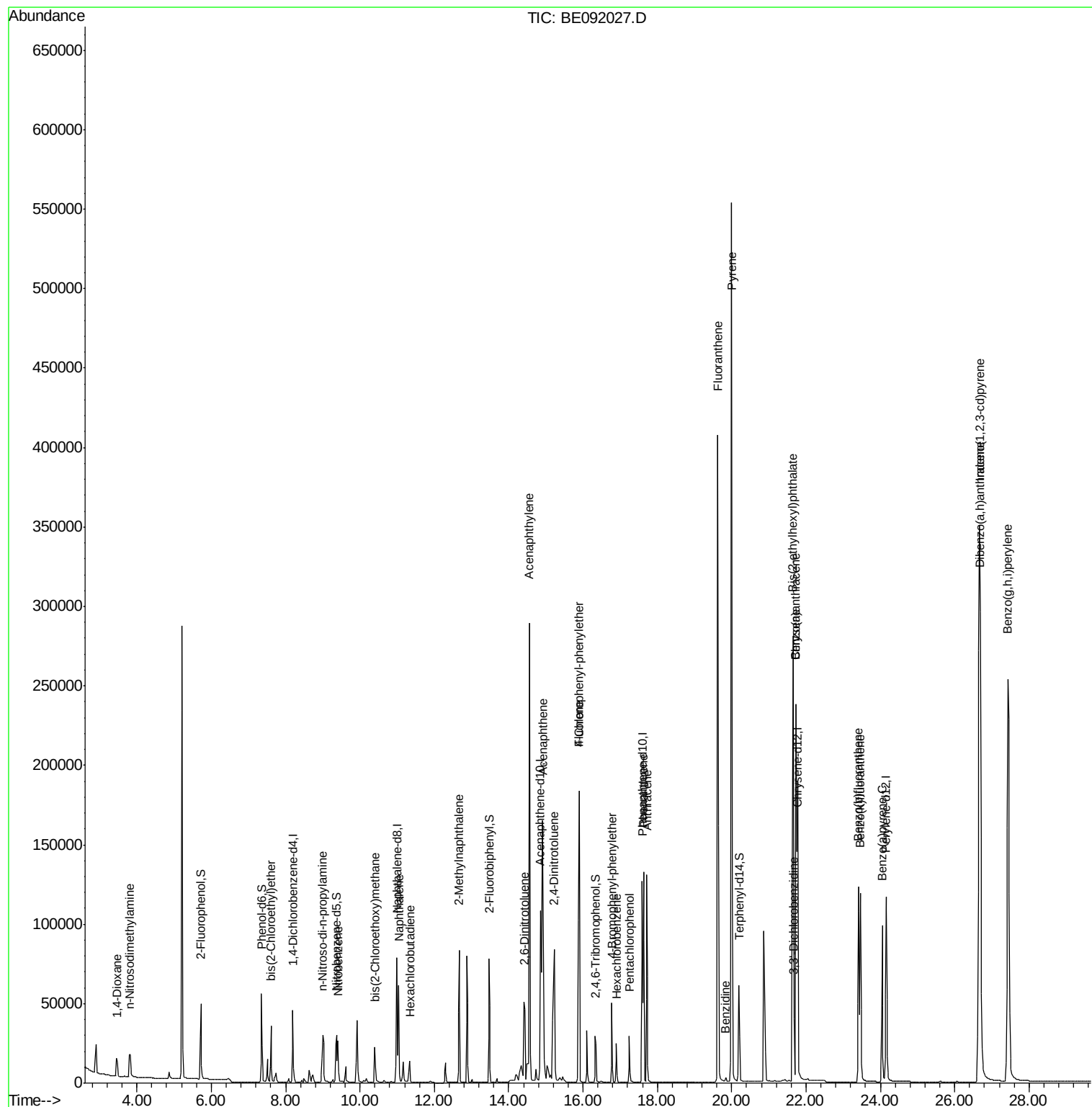
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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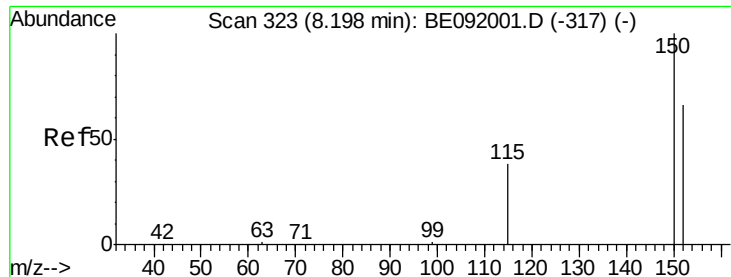
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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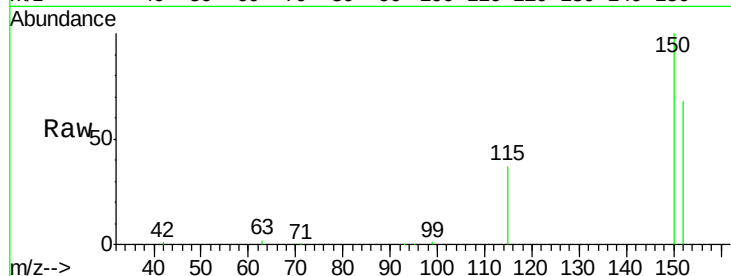




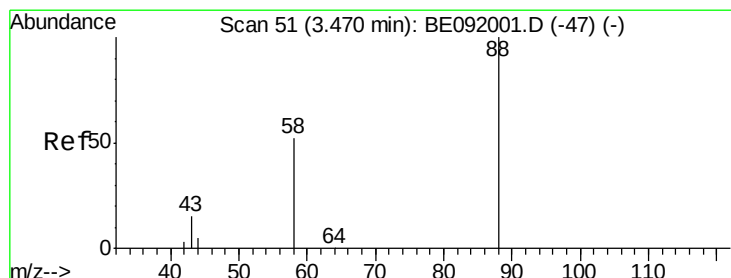
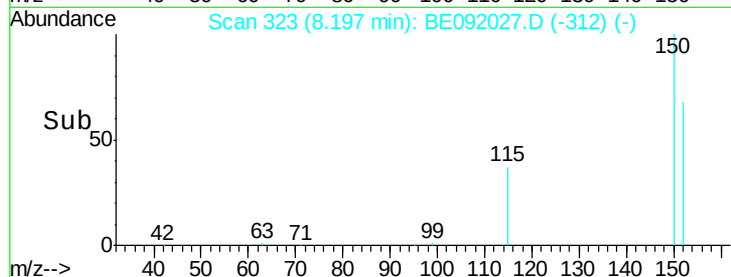
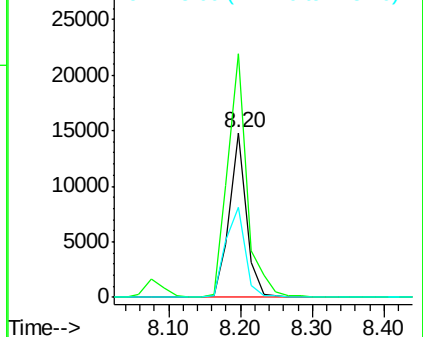
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.20 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: BE092027.D
 Acq: 23 Jul 2016 4:28

Instrument :
 BNA_E
 ClientSampleId :
 PB92324BS

Tgt Ion:152 Resp: 23995
 Ion Ratio Lower Upper
 152 100
 150 147.7 123.9 185.9
 115 55.0 48.3 72.5

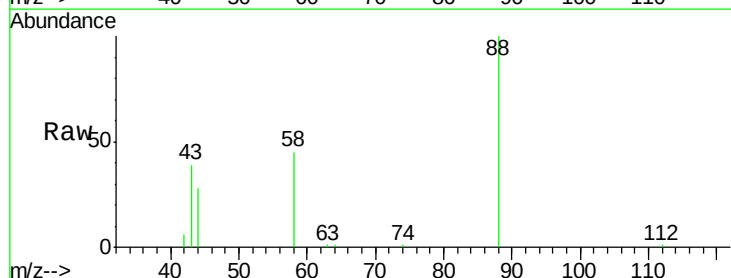


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

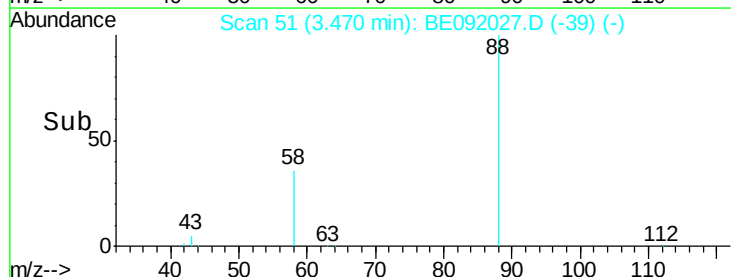
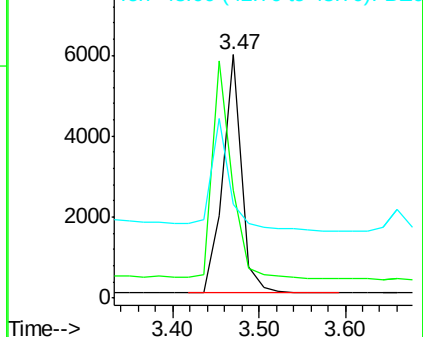


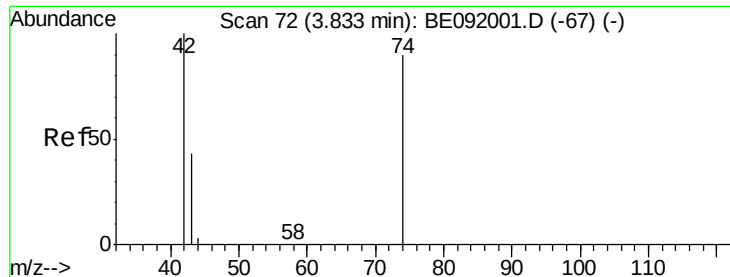
#2
 1,4-Dioxane
 Concen: 2.76 ng
 RT: 3.47 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: BE092027.D
 Acq: 23 Jul 2016 4:28

Tgt Ion: 88 Resp: 8951
 Ion Ratio Lower Upper
 88 100
 58 93.0 63.0 94.4
 43 48.6 29.1 43.7#



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: 3.77 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

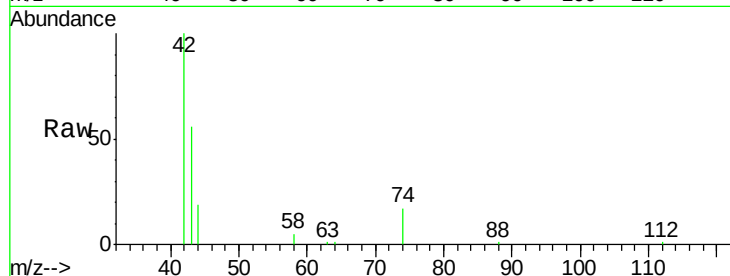
Tgt Ion: 42 Resp: 16537

Ion Ratio Lower Upper

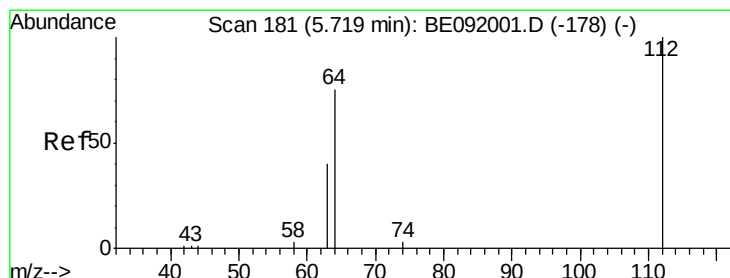
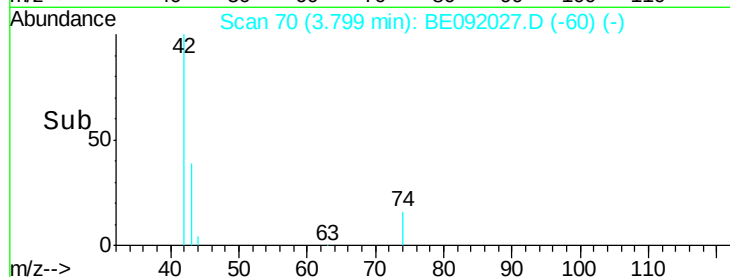
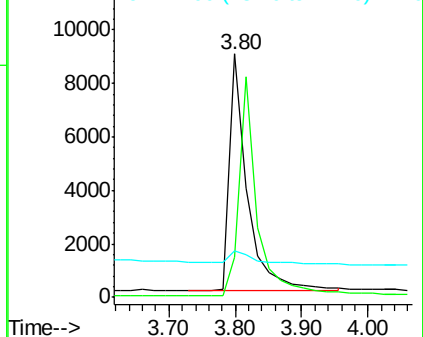
42 100

74 93.4 93.4 140.0

44 7.4 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: 9.23 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

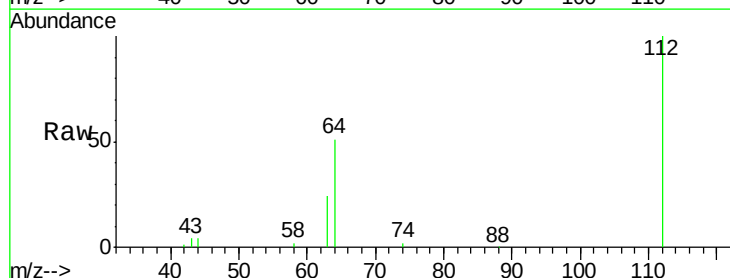
Tgt Ion: 112 Resp: 42919

Ion Ratio Lower Upper

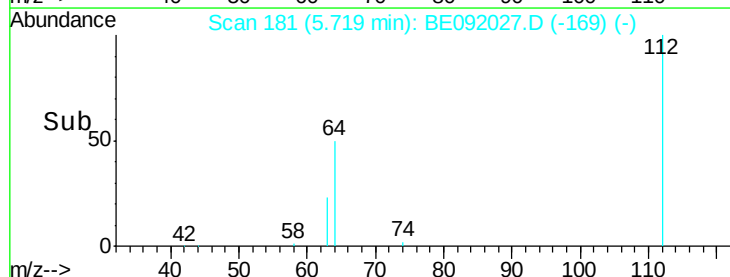
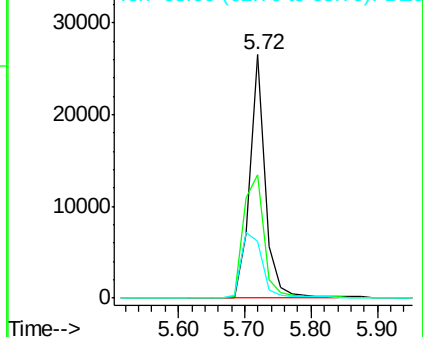
112 100

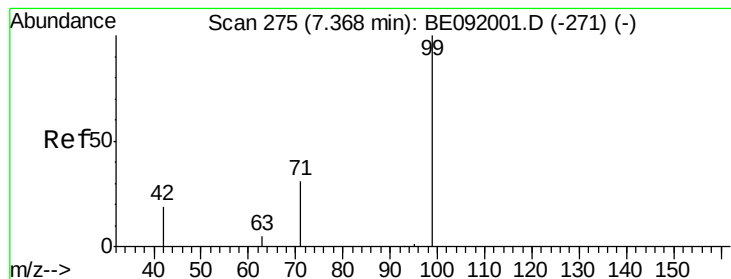
64 66.8 53.7 80.5

63 36.3 29.5 44.3



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: 7.22 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

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PB92324BS

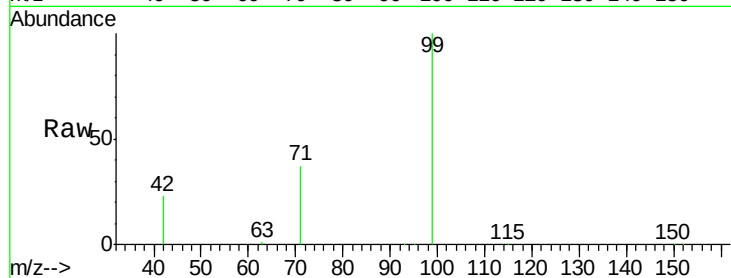
Tgt Ion: 99 Resp: 59609

Ion Ratio Lower Upper

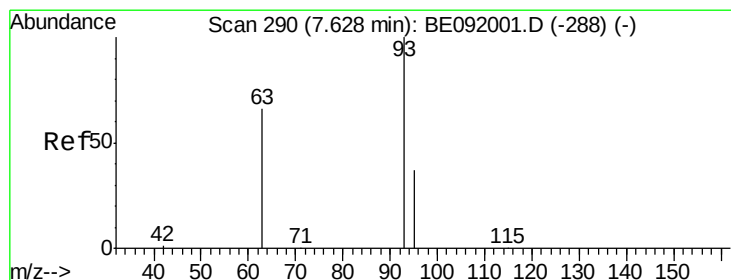
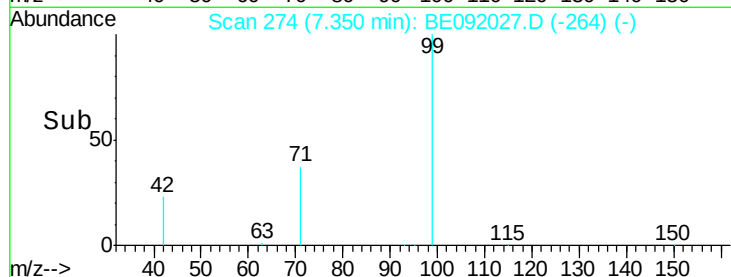
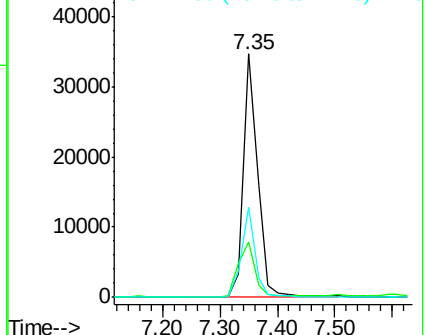
99 100

42 25.7 19.6 29.4

71 35.0 28.1 42.1



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: 3.78 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

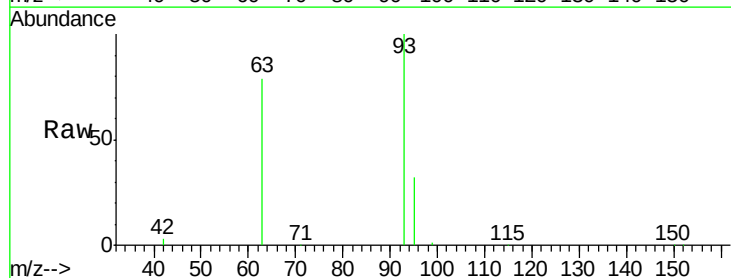
Tgt Ion: 93 Resp: 26054

Ion Ratio Lower Upper

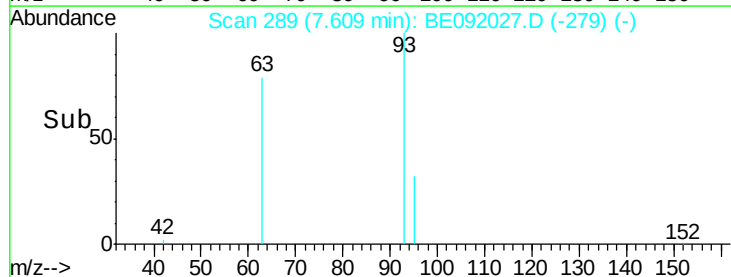
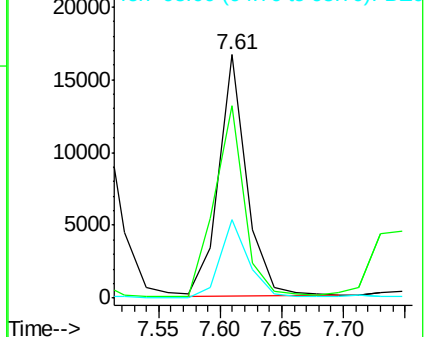
93 100

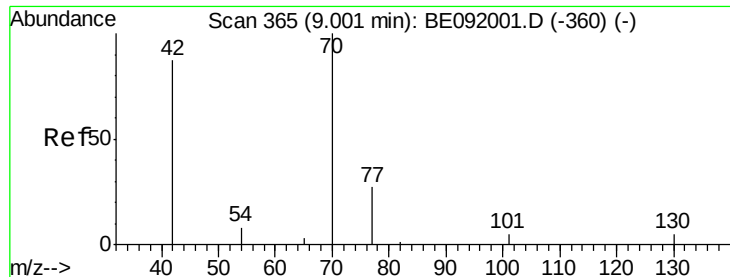
63 85.7 66.2 99.4

95 32.9 25.5 38.3



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: 3.78 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

Tgt Ion: 70 Resp: 22261

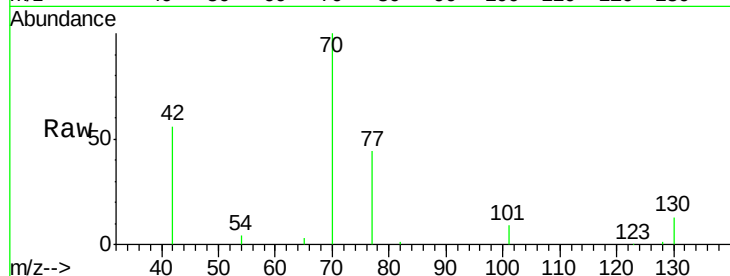
Ion Ratio Lower Upper

70 100

42 74.7 58.4 87.6

101 8.3 6.4 9.6

130 16.6 0.0 0.0#

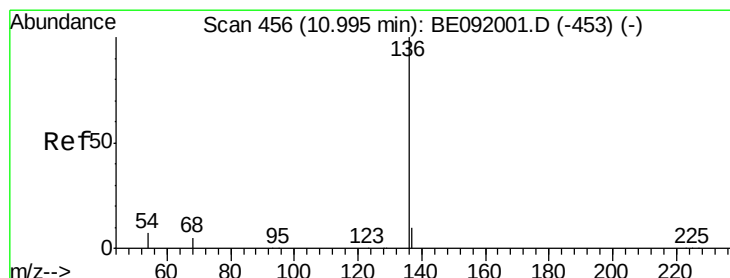
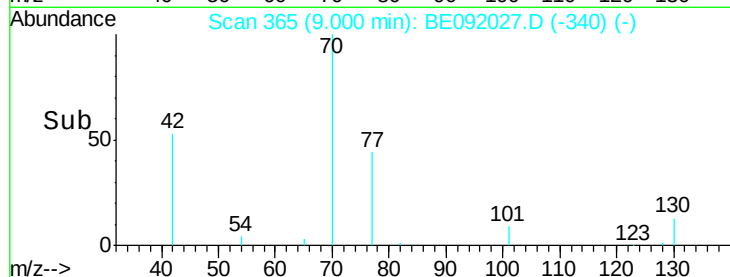
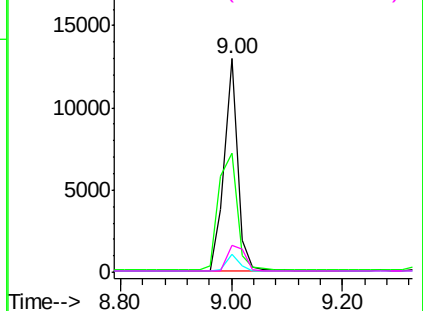


Abundance Ion 70.00 (69.70 to 70.70): BE0

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: BE092027.D

Acq: 23 Jul 2016 4:28

Tgt Ion: 136 Resp: 115997

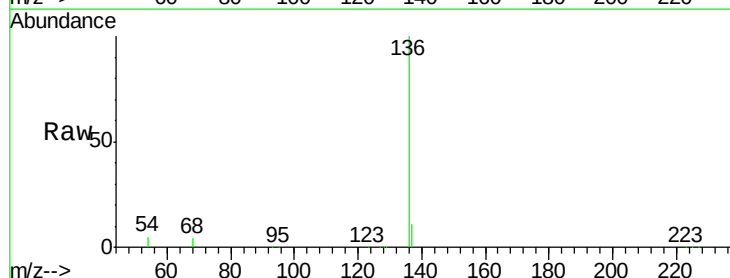
Ion Ratio Lower Upper

136 100

137 10.7 8.3 12.5

54 4.8 8.2 12.4#

68 3.7 5.9 8.9#

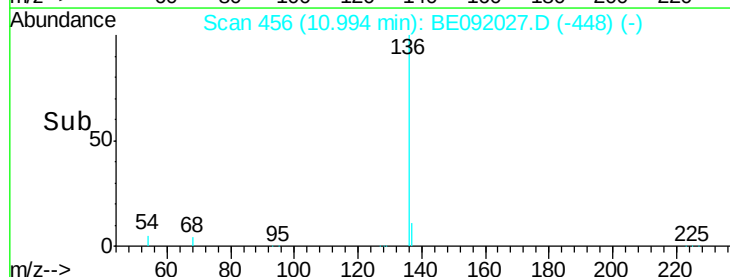
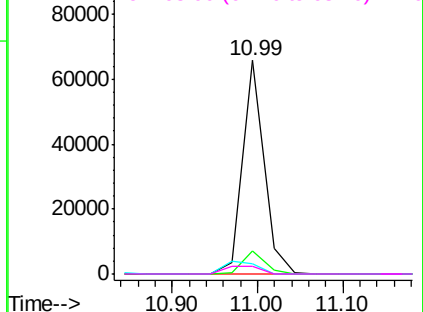


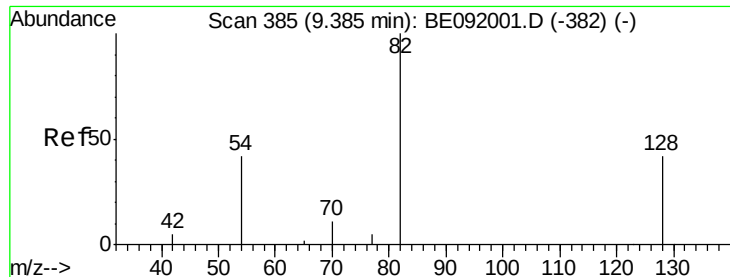
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.46 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

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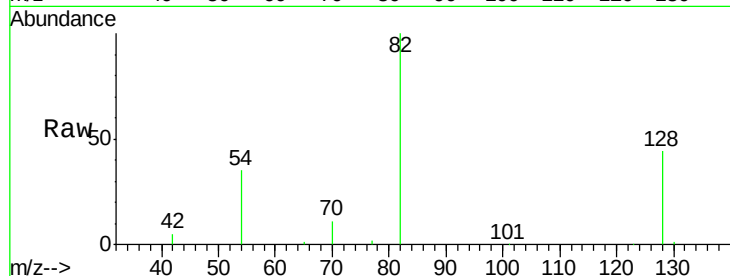
Tgt Ion: 82 Resp: 31137

Ion Ratio Lower Upper

82 100

128 43.7 39.5 59.3

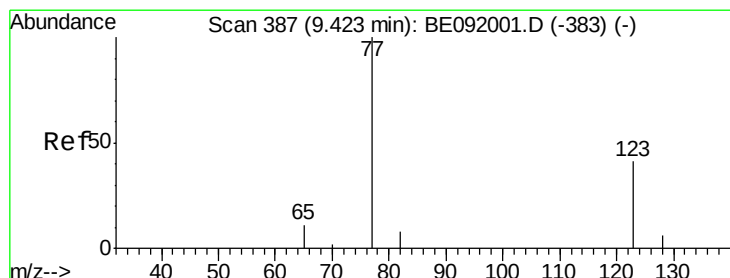
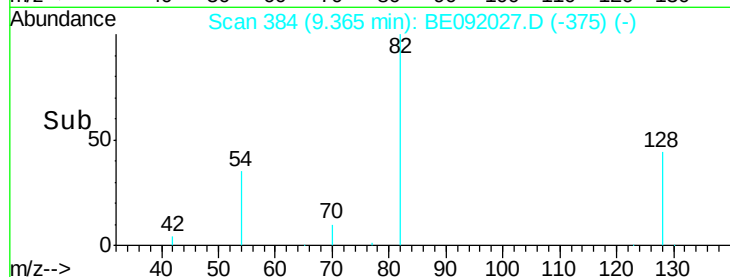
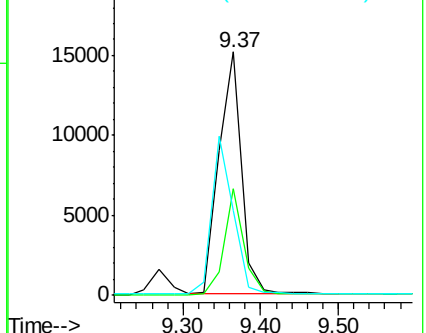
54 34.8 30.3 45.5



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: 3.38 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

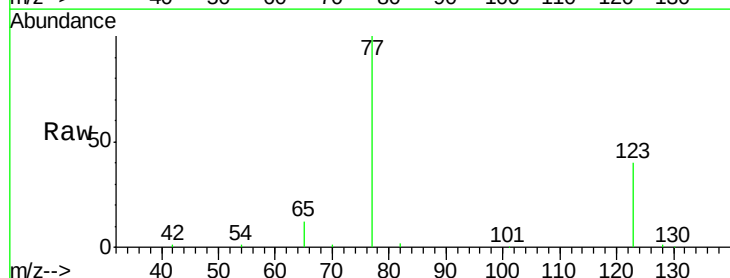
Tgt Ion: 77 Resp: 31581

Ion Ratio Lower Upper

77 100

123 38.4 0.0 0.0#

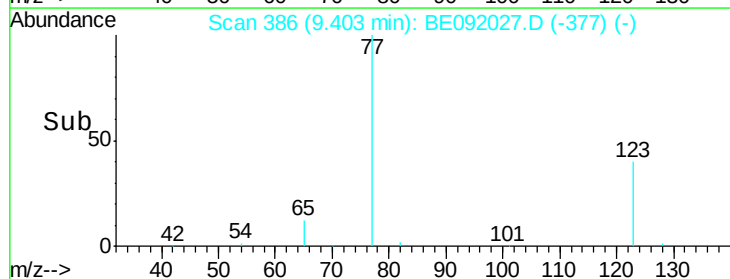
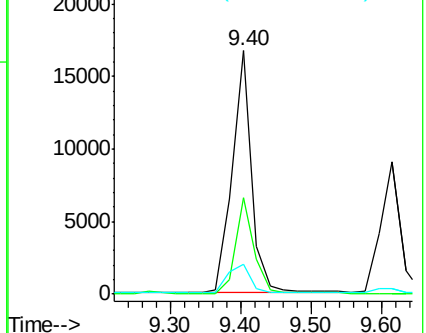
65 14.2 11.1 16.7

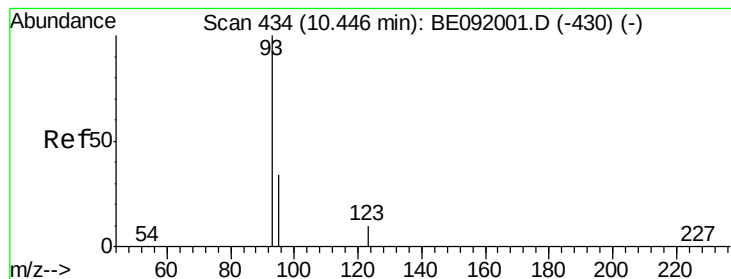


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

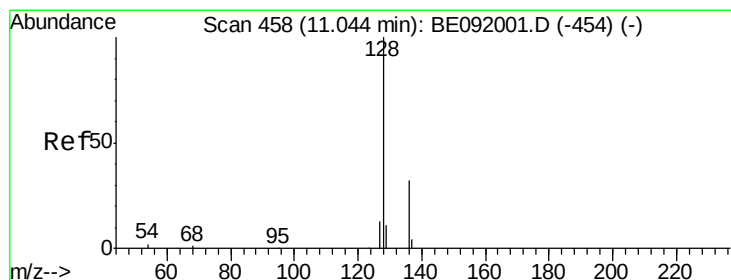
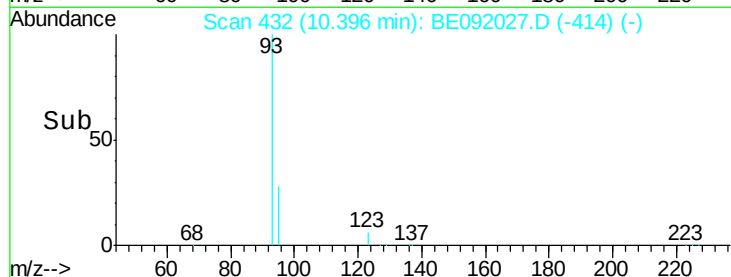
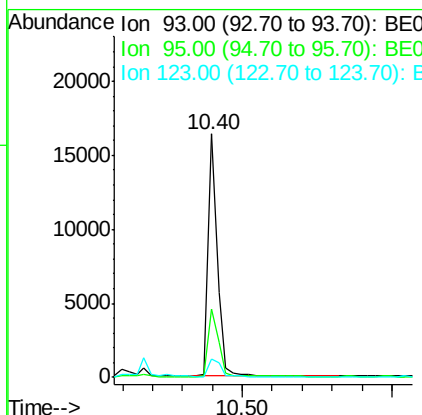
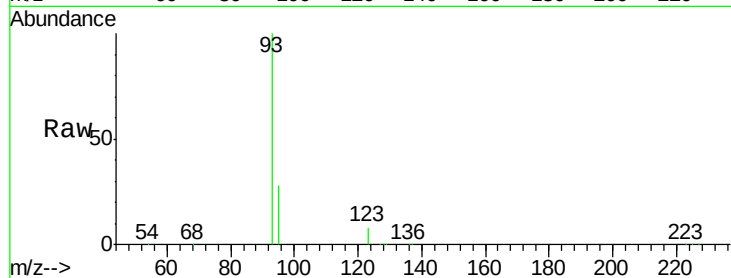




#11
bis(2-Chloroethoxy)methane
Concen: 4.04 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

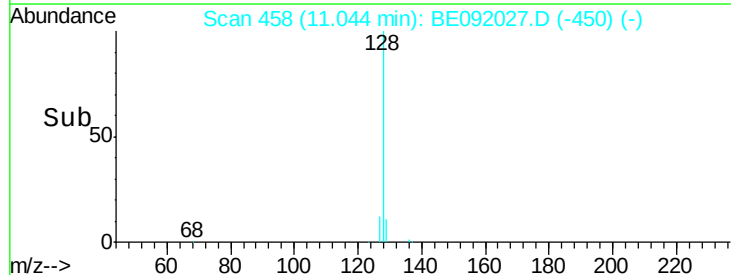
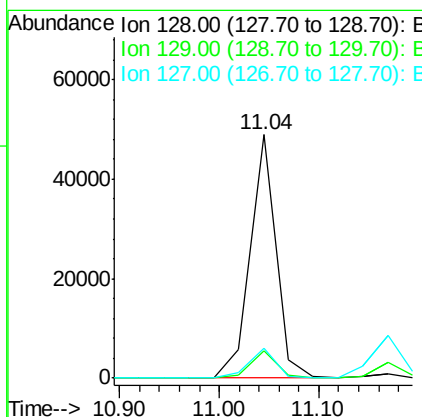
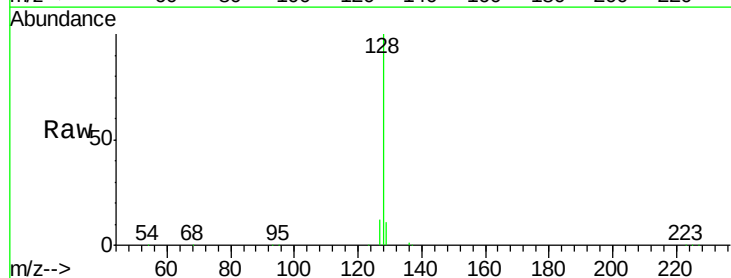
Instrument :
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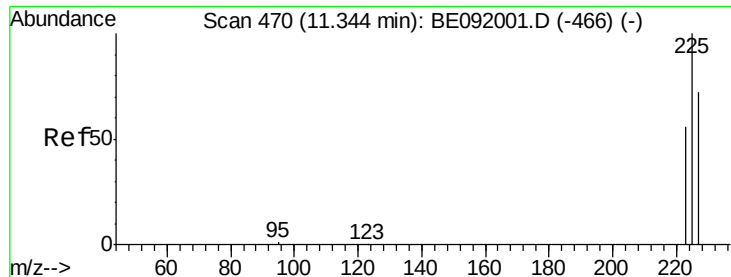
Tgt Ion: 93 Resp: 35330
Ion Ratio Lower Upper
93 100
95 31.4 57.6 86.4#
123 9.5 100.2 150.4#



#12
Naphthalene
Concen: 3.33 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Tgt Ion: 128 Resp: 87697
Ion Ratio Lower Upper
128 100
129 11.3 10.4 15.6
127 12.5 10.2 15.2

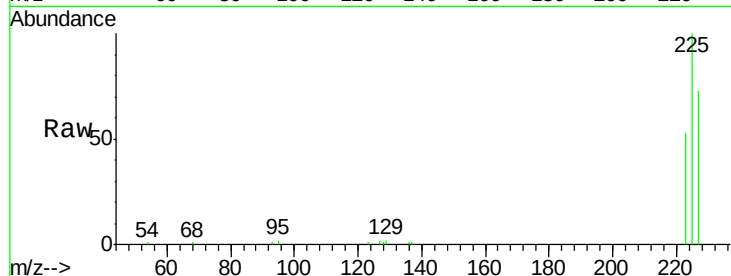




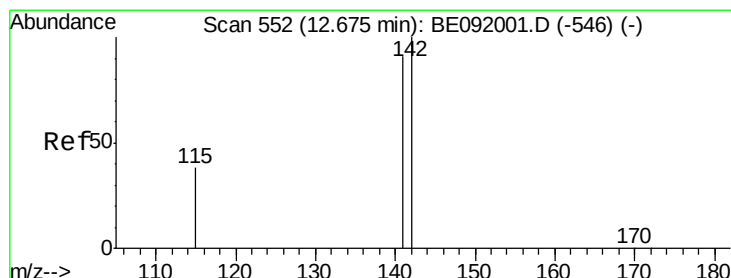
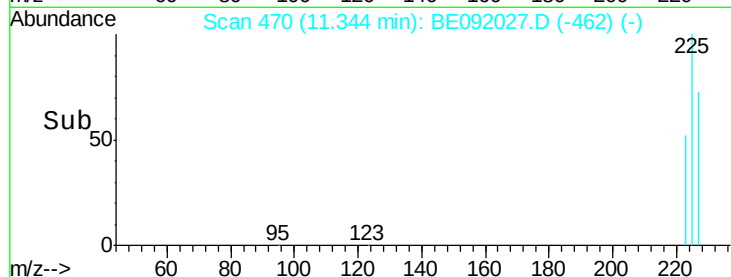
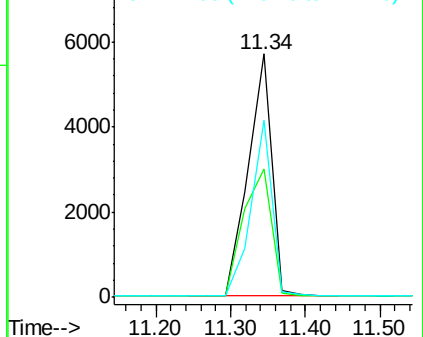
#13
Hexachlorobutadiene
Concen: 3.27 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Instrument :
BNA_E
ClientSampleId :
PB92324BS

Tgt Ion: 225 Resp: 12314
Ion Ratio Lower Upper
225 100
223 61.6 49.8 74.8
227 65.0 50.6 75.8

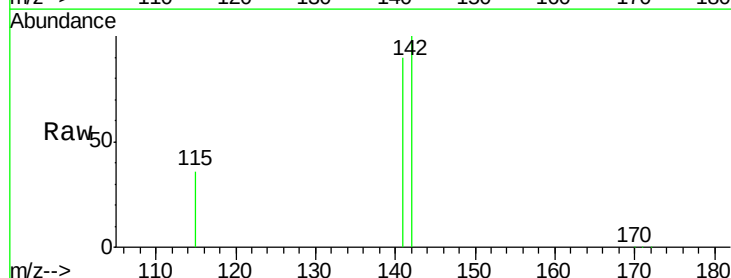


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

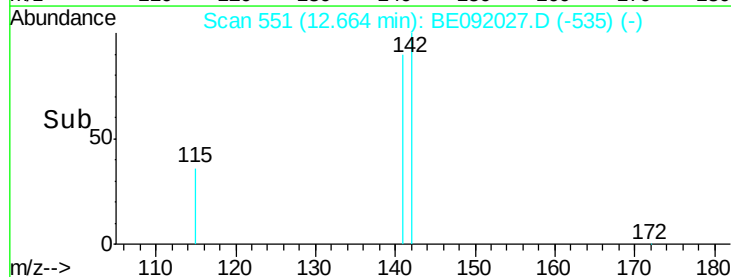
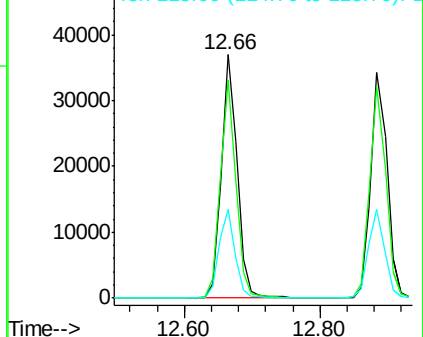


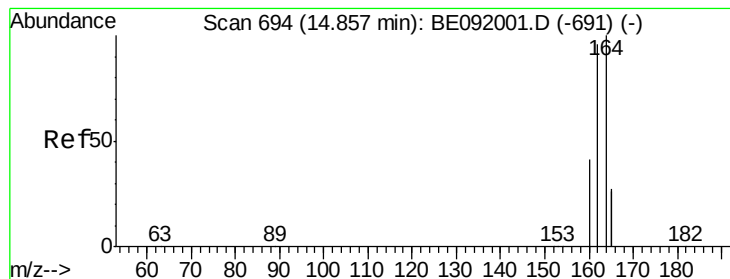
#14
2-Methylnaphthalene
Concen: 3.68 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.01 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Tgt Ion: 142 Resp: 60823
Ion Ratio Lower Upper
142 100
141 89.7 71.9 107.9
115 36.2 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

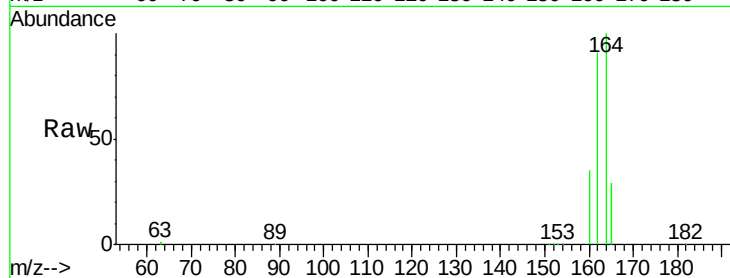
Tgt Ion:164 Resp: 71370

Ion Ratio Lower Upper

164 100

162 90.7 71.8 107.8

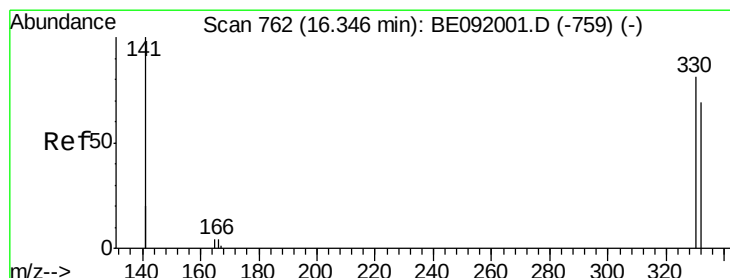
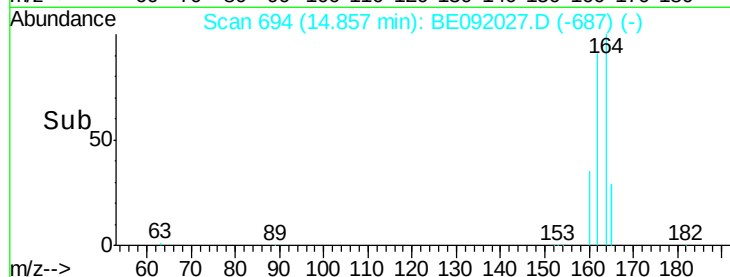
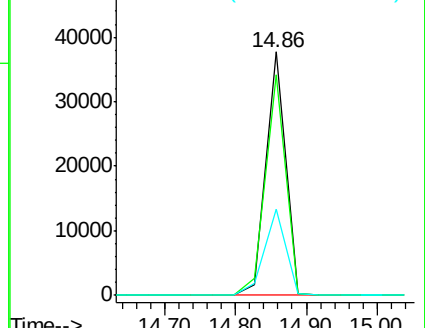
160 35.4 28.0 42.0



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: 6.64 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

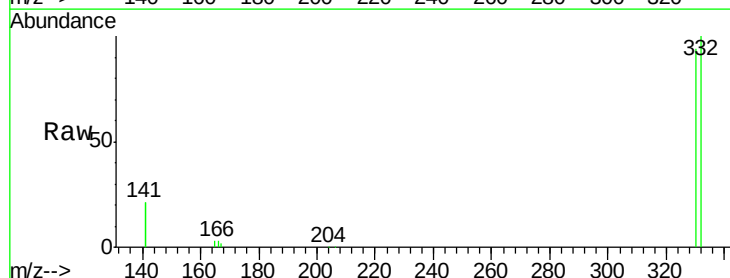
Tgt Ion:330 Resp: 16378

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

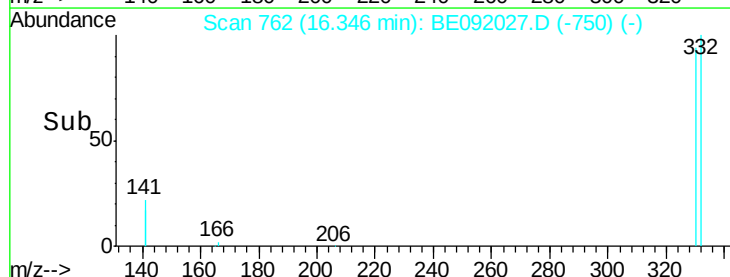
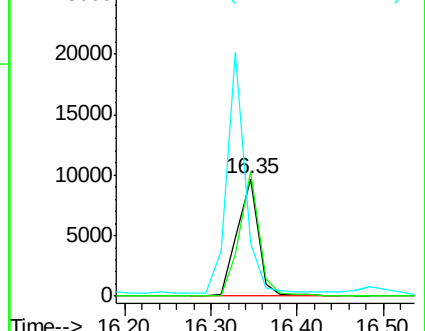
141 179.5 138.4 207.6

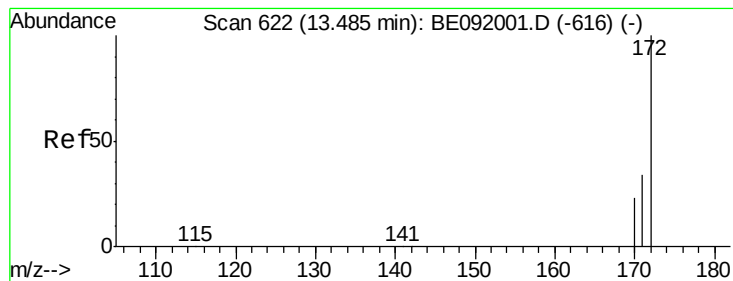


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

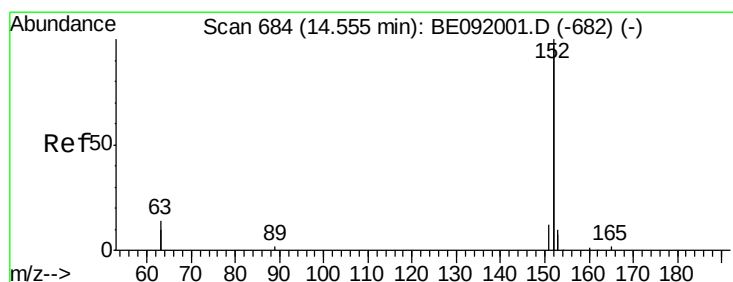
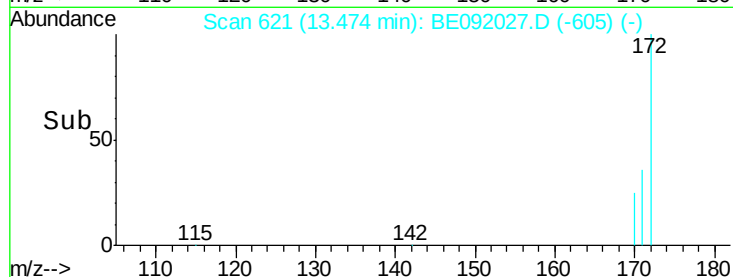
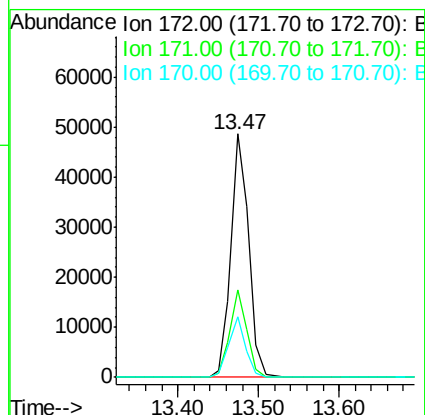
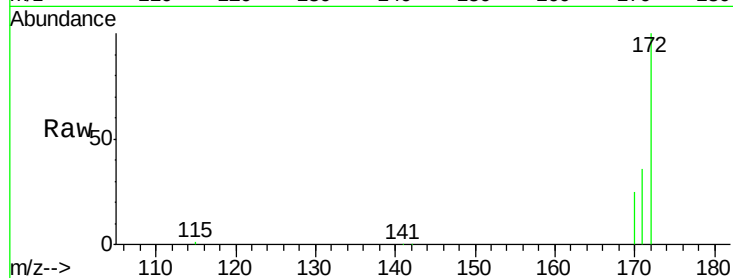




#17
2-Fluorobiphenyl
Concen: 3.94 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.01 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

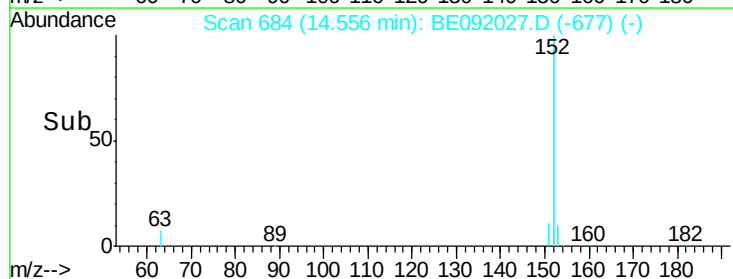
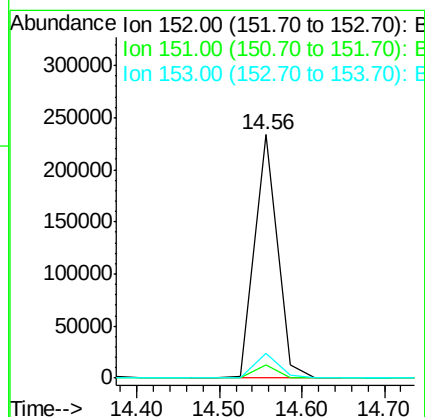
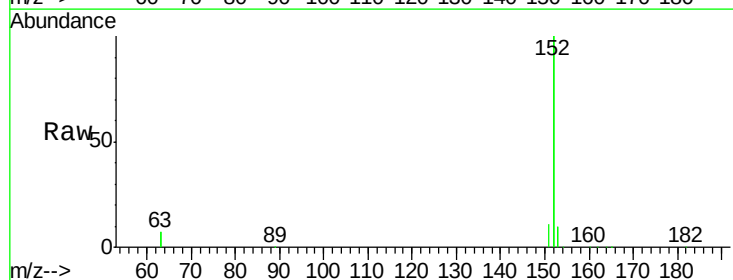
Instrument :
BNA_E
ClientSampleId :
PB92324BS

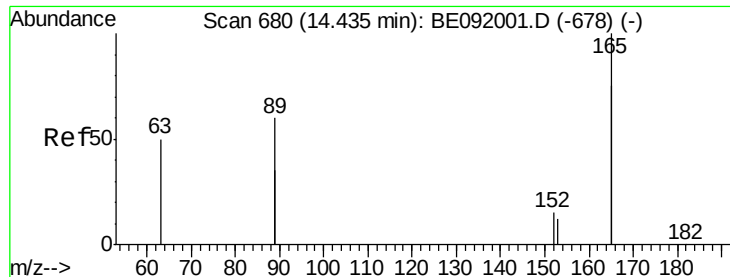
Tgt Ion:172 Resp: 73907
Ion Ratio Lower Upper
172 100
171 35.8 24.3 36.5
170 24.8 14.9 22.3#



#18
Acenaphthylene
Concen: 4.10 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Tgt Ion:152 Resp: 450088
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 11.0 14.4 21.6#

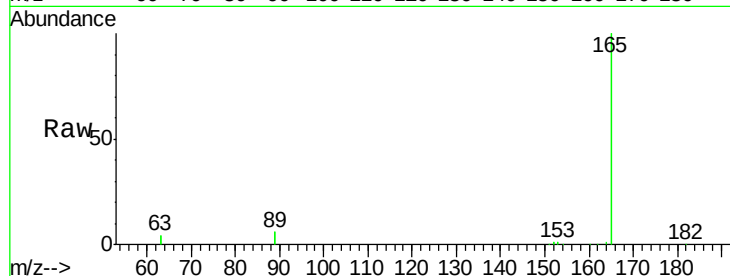




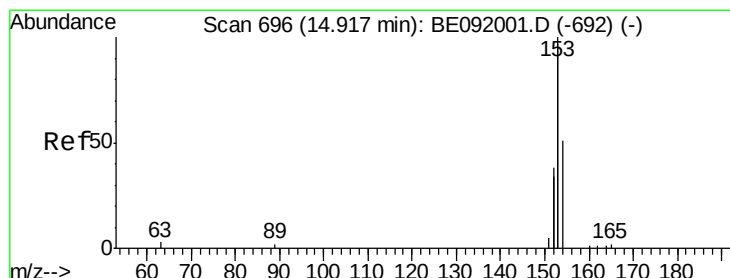
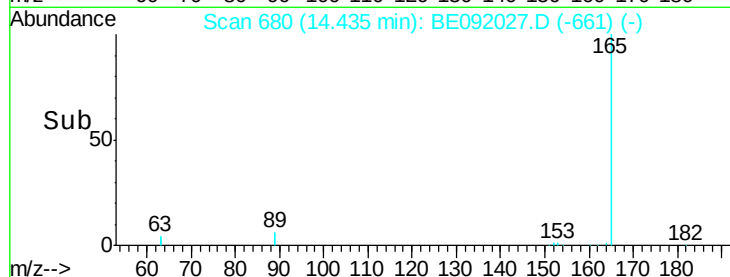
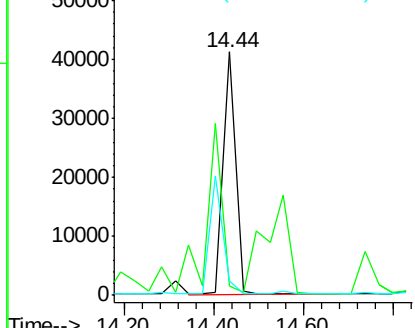
#19
2,6-Dinitrotoluene
Concen: 3.78 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Instrument :
BNA_E
ClientSampled :
PB92324BS

Tgt Ion:165 Resp: 77185
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#

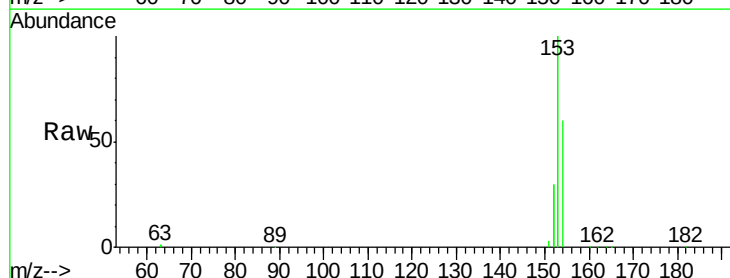


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

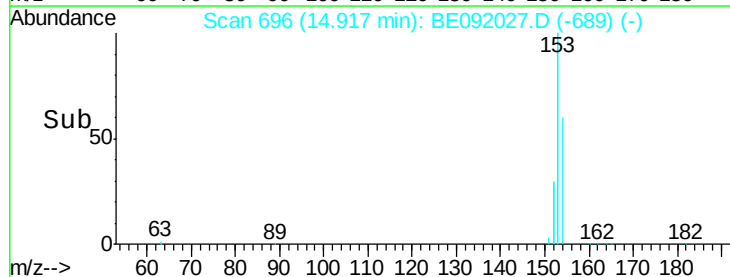
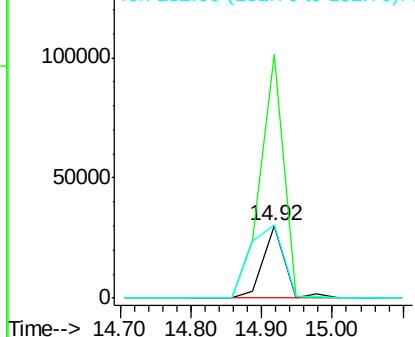


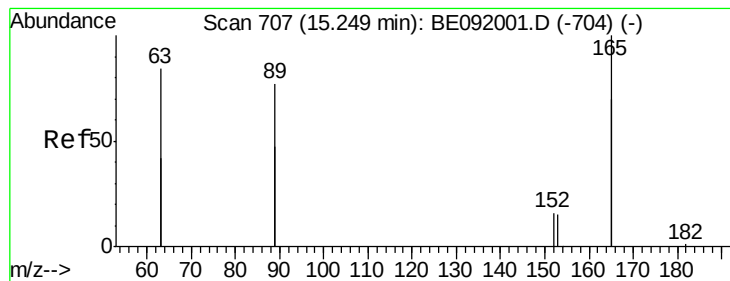
#20
Acenaphthene
Concen: 3.41 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Tgt Ion:154 Resp: 63539
Ion Ratio Lower Upper
154 100
153 357.2 88.1 132.1#
152 153.3 44.2 66.2#



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: 3.80 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

Tgt Ion:165 Resp: 100152

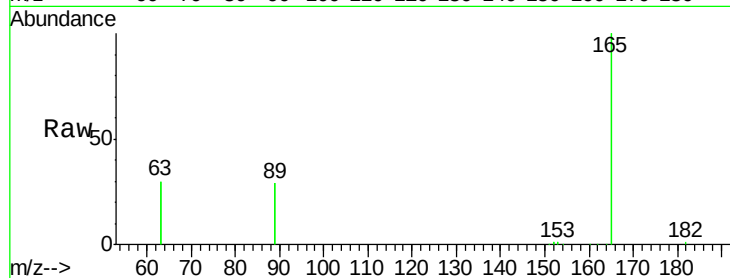
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.5 0.0 0.0#



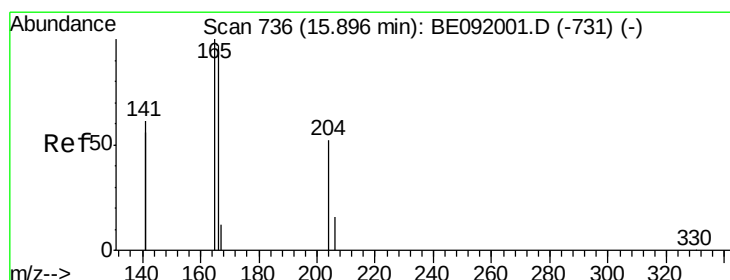
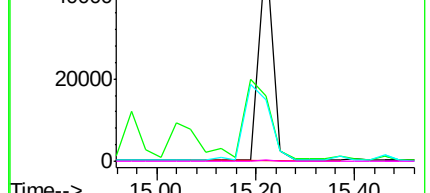
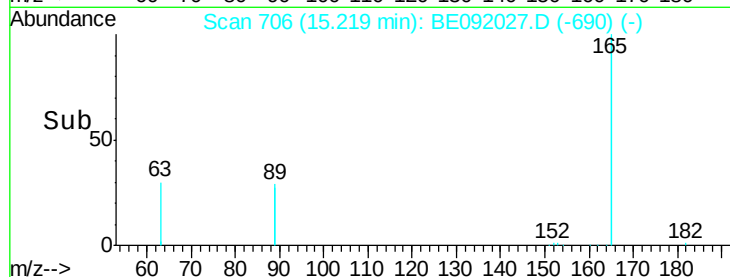
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#22

Fluorene

Concen: 3.65 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

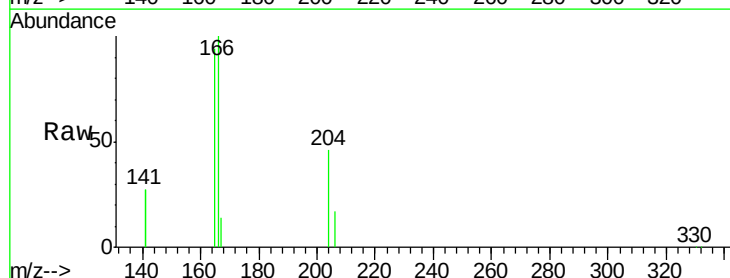
Tgt Ion:166 Resp: 81061

Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

167 13.5 10.8 16.2

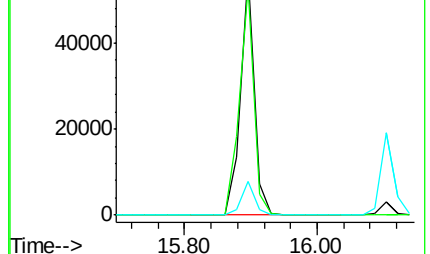
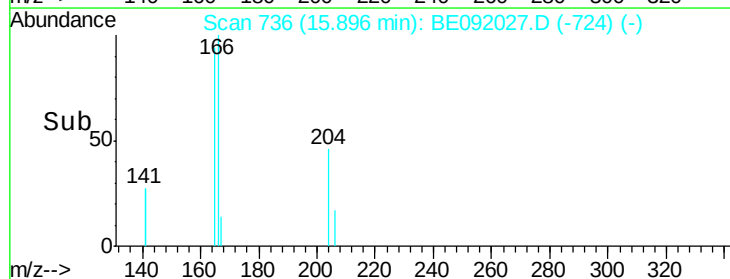


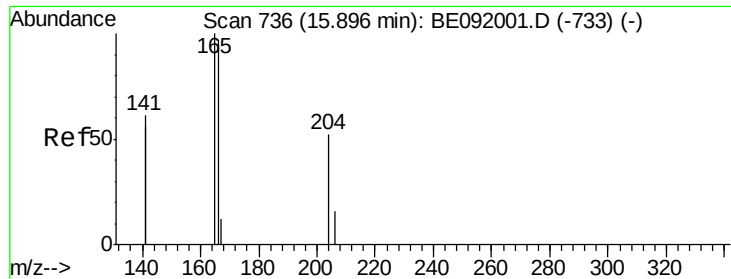
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

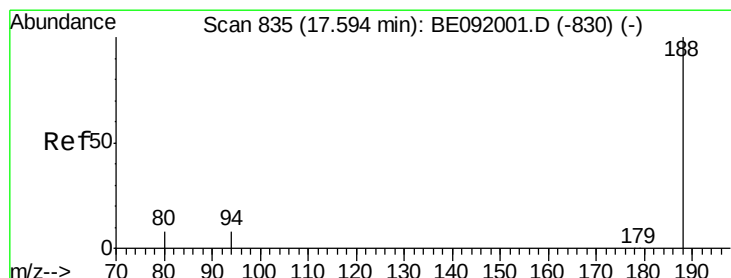
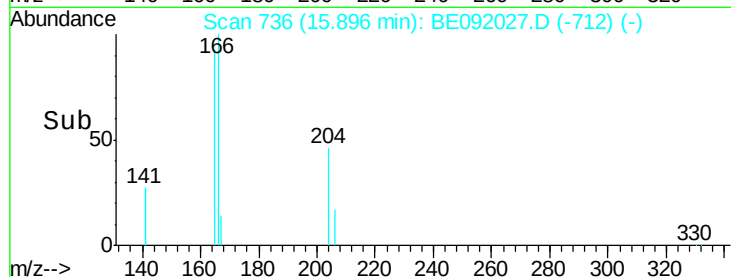
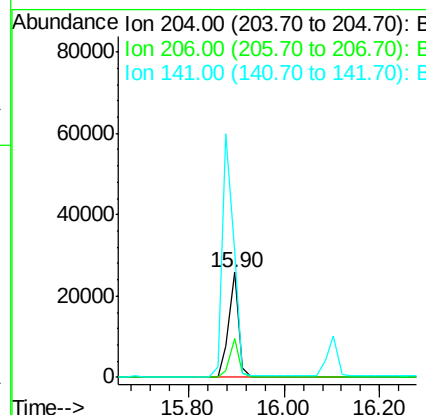
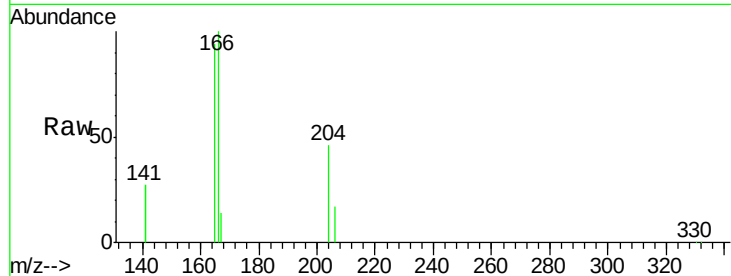




#23
 4-Chlorophenyl-phenylether
 Concen: 3.38 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE092027.D
 Acq: 23 Jul 2016 4:28

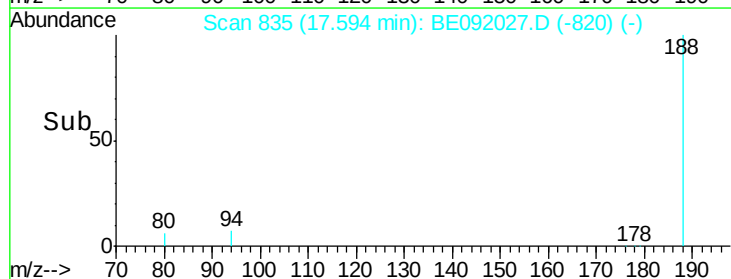
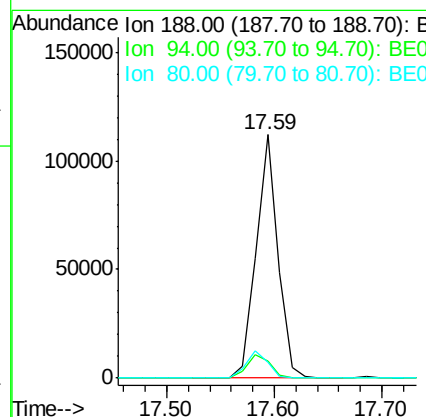
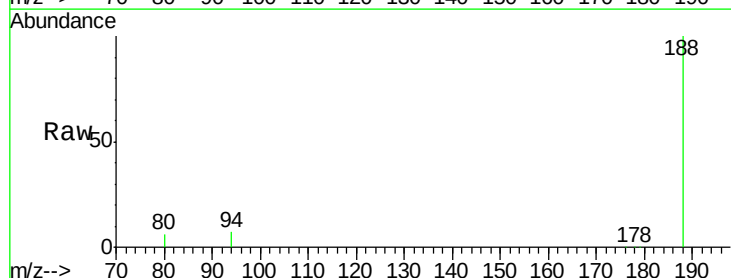
Instrument :
 BNA_E
 ClientSampleId :
 PB92324BS

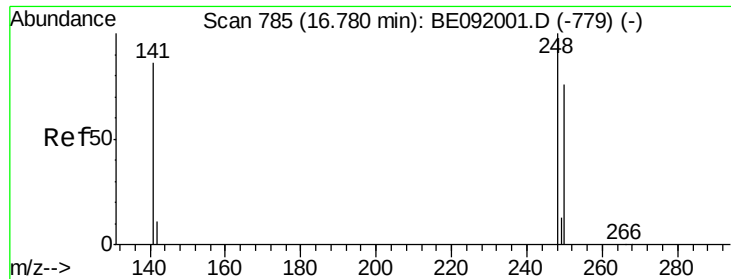
Tgt Ion: 204 Resp: 37261
 Ion Ratio Lower Upper
 204 100
 206 34.4 27.8 41.6
 141 264.6 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE092027.D
 Acq: 23 Jul 2016 4:28

Tgt Ion: 188 Resp: 158050
 Ion Ratio Lower Upper
 188 100
 94 7.0 4.1 6.1#
 80 6.3 3.4 5.2#

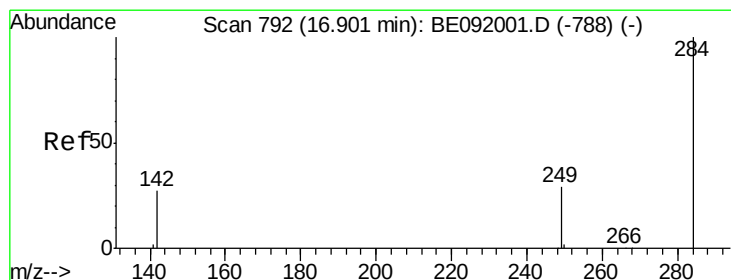
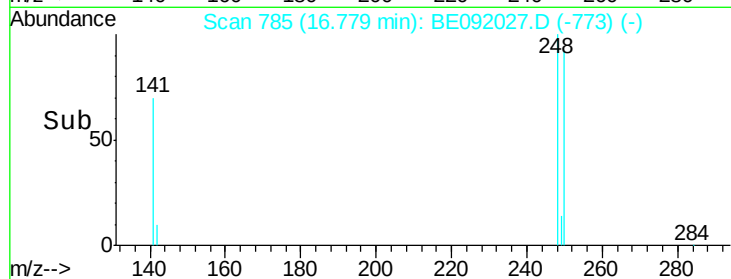
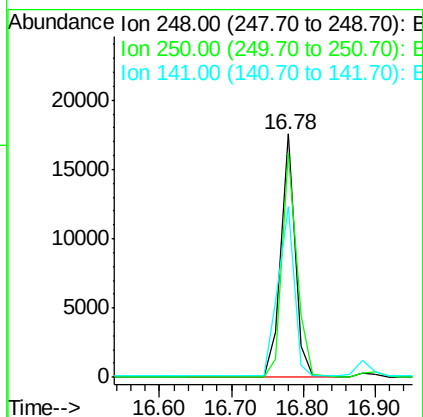
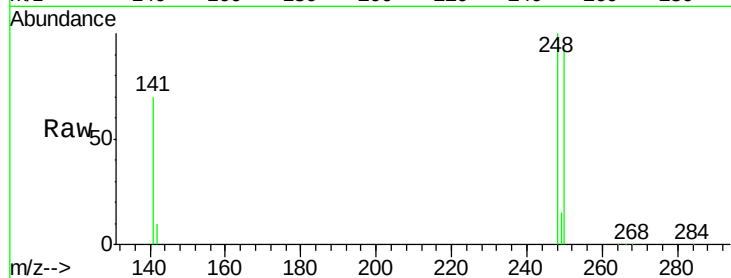




#25
4-Bromophenyl-phenylether
Concen: 3.65 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

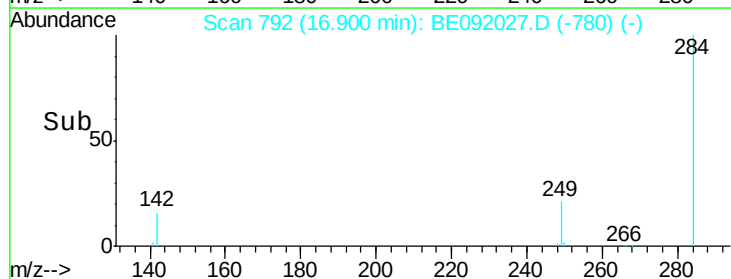
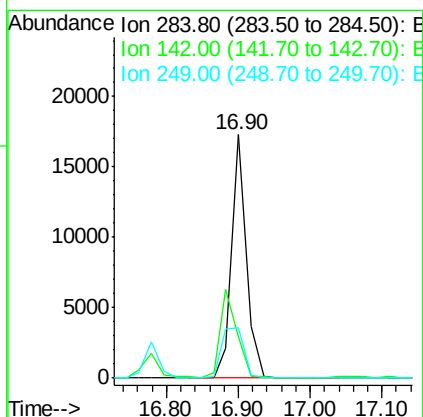
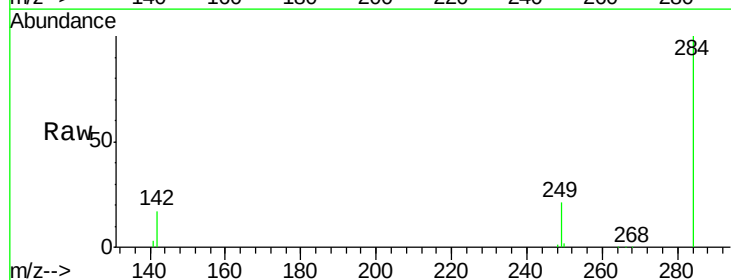
Instrument :
BNA_E
ClientSampleId :
PB92324BS

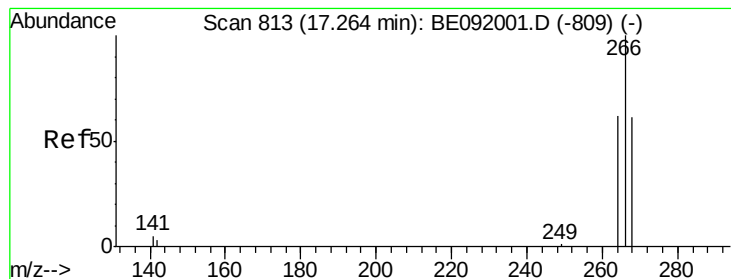
Tgt Ion:248 Resp: 24040
Ion Ratio Lower Upper
248 100
250 95.3 75.7 113.5
141 80.4 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.54 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE092027.D
Acq: 23 Jul 2016 4:28

Tgt Ion:284 Resp: 24042
Ion Ratio Lower Upper
284 100
142 40.9 31.4 47.2
249 31.5 25.3 37.9





#27

Pentachlorophenol

Concen: 6.32 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

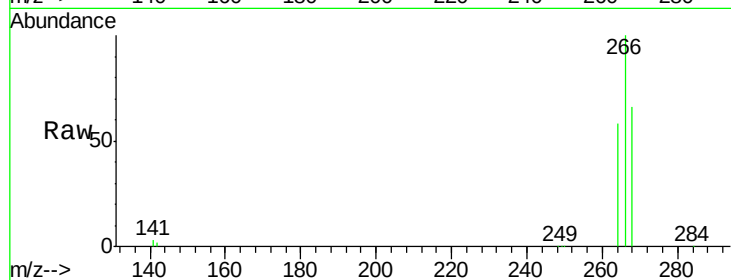
Tgt Ion:266 Resp: 21177

Ion Ratio Lower Upper

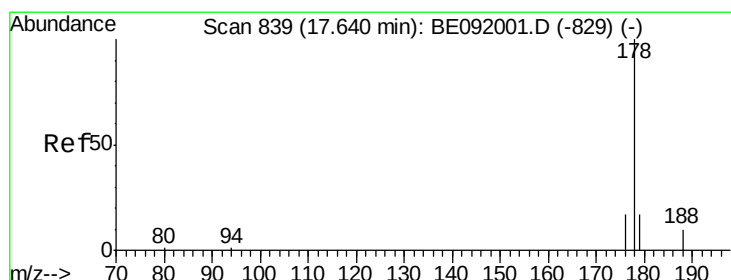
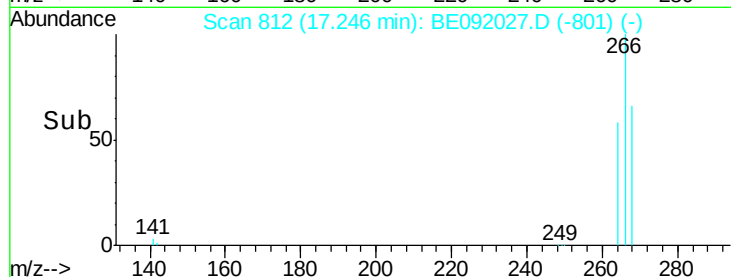
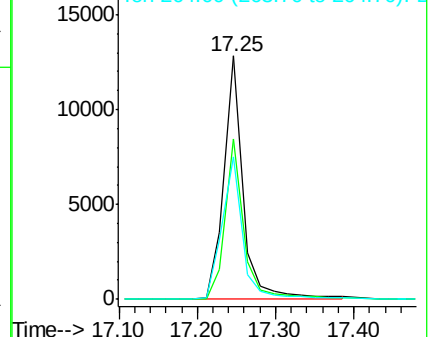
266 100

268 66.1 60.5 90.7

264 58.4 51.0 76.4



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: 3.58 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

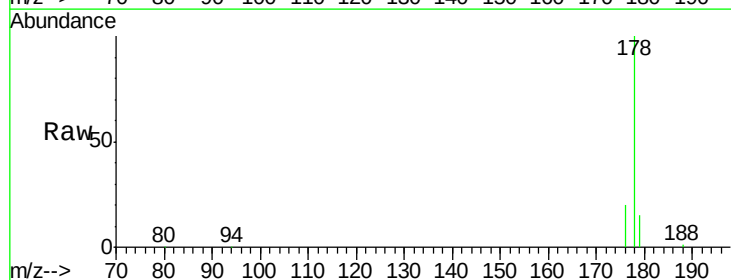
Tgt Ion:178 Resp: 146129

Ion Ratio Lower Upper

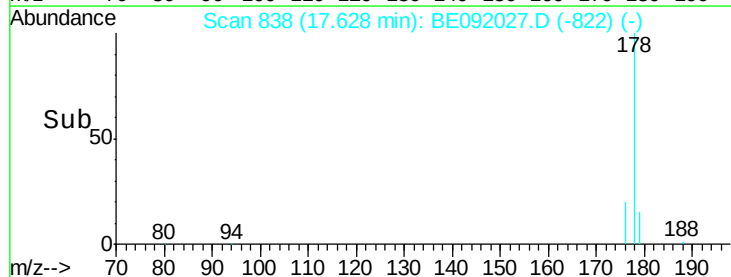
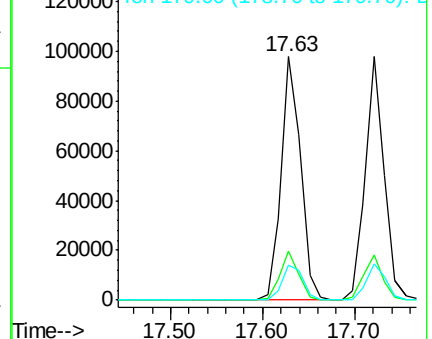
178 100

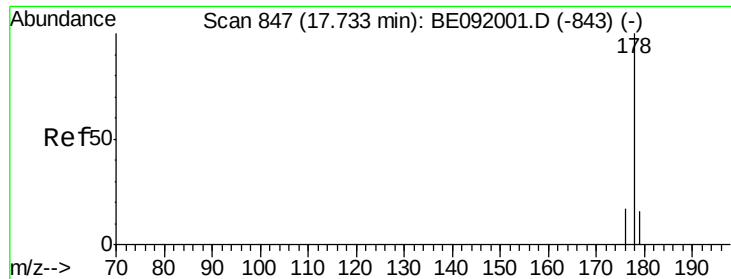
176 19.3 15.4 23.2

179 15.5 12.9 19.3



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: 3.78 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

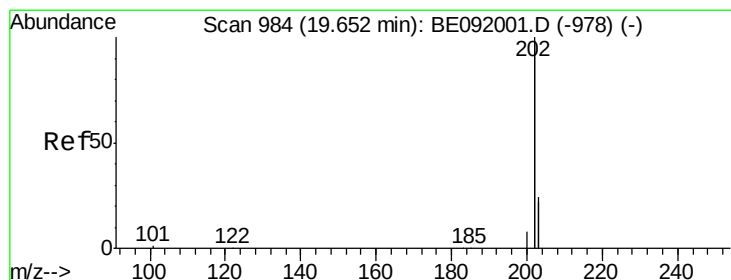
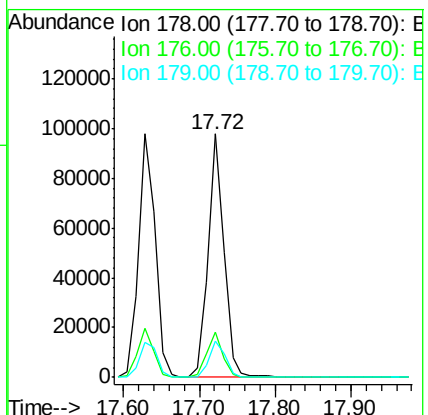
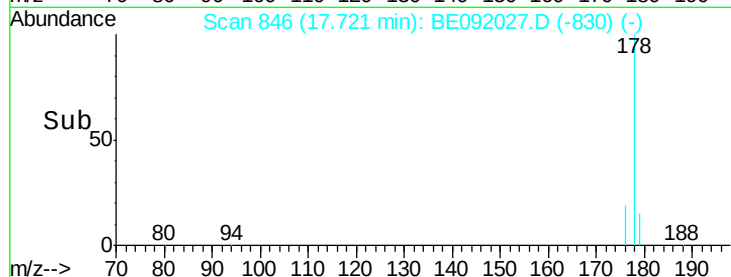
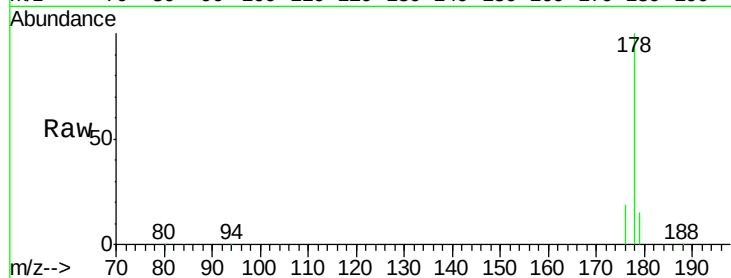
Tgt Ion:178 Resp: 139881

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.1 12.1 18.1



#30

Fluoranthene

Concen: 3.89 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

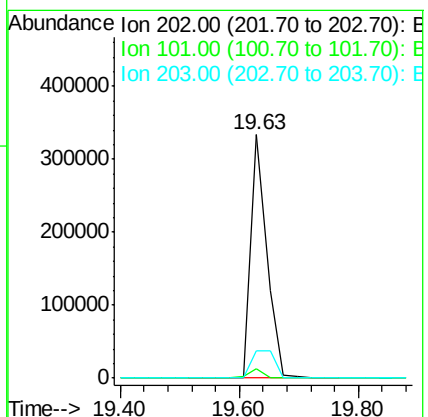
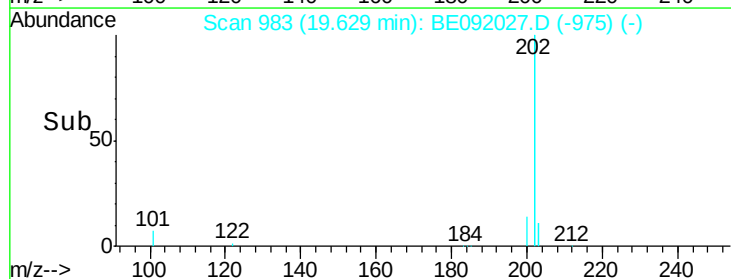
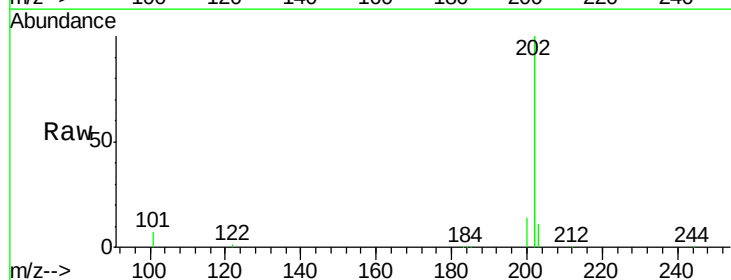
Tgt Ion:202 Resp: 634668

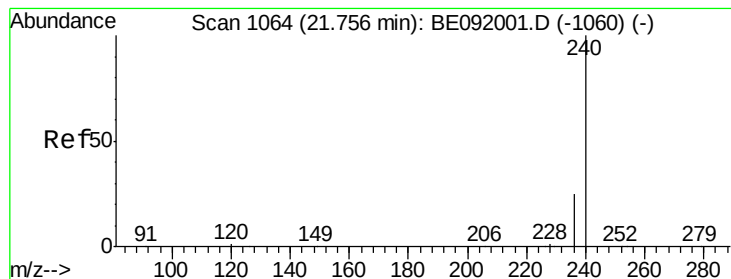
Ion Ratio Lower Upper

202 100

101 3.1 9.4 14.0#

203 16.6 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

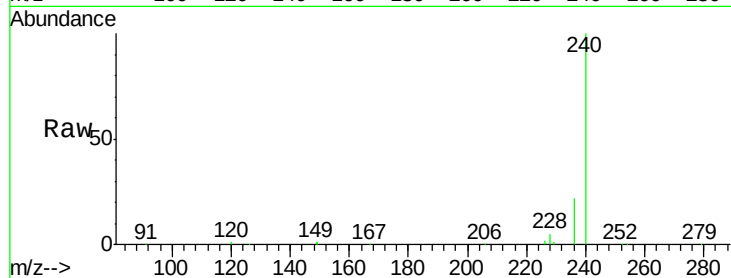
Tgt Ion:240 Resp: 201160

Ion Ratio Lower Upper

240 100

120 0.6 1.2 1.8#

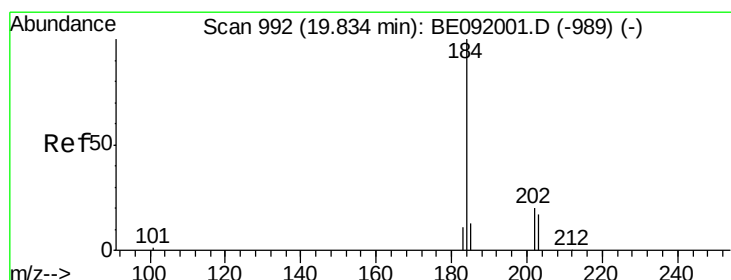
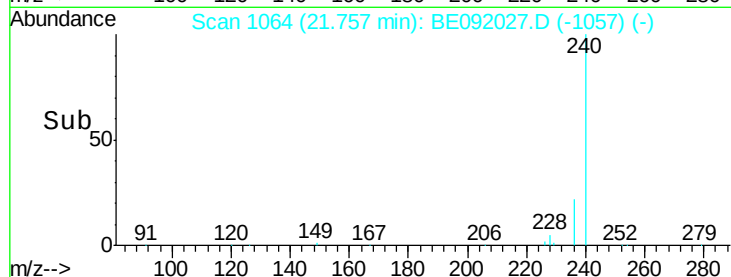
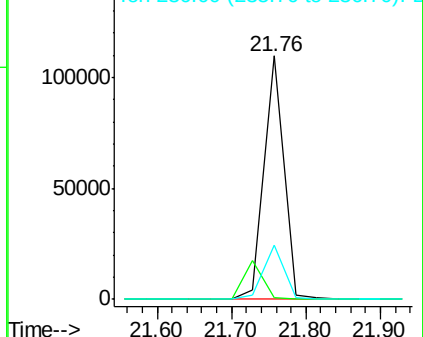
236 22.2 19.8 29.8



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: 0.71 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

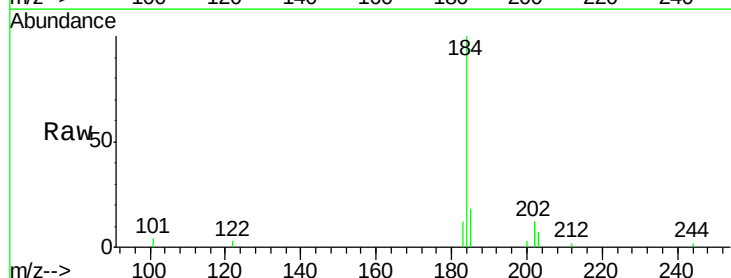
Tgt Ion:184 Resp: 5332

Ion Ratio Lower Upper

184 100

185 18.2 11.4 17.2#

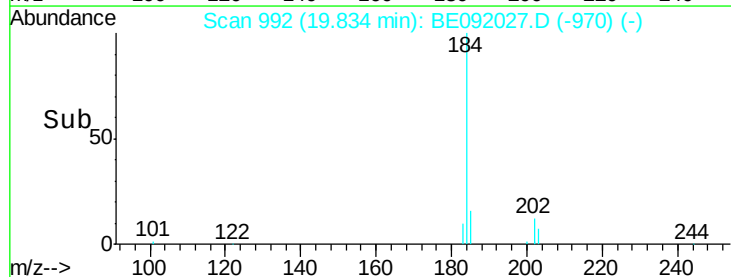
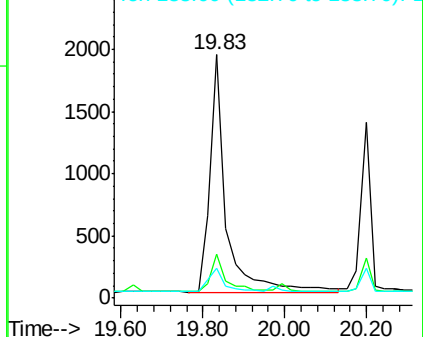
183 12.2 11.8 17.6

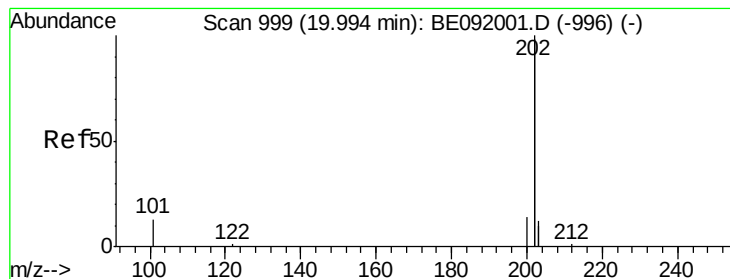


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 5.14 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

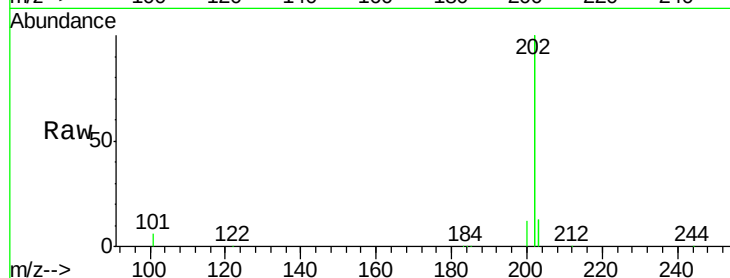
Tgt Ion:202 Resp: 749566

Ion Ratio Lower Upper

202 100

200 5.7 16.9 25.3#

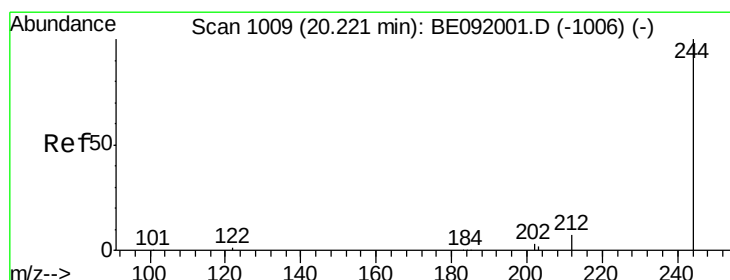
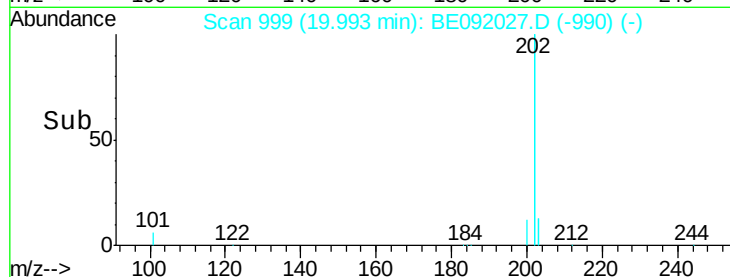
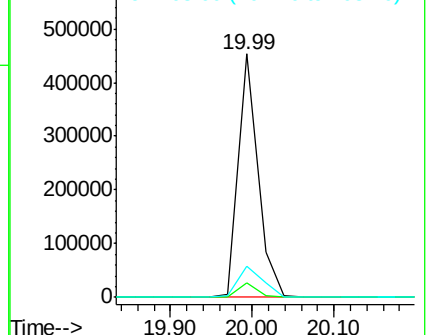
203 16.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 4.94 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

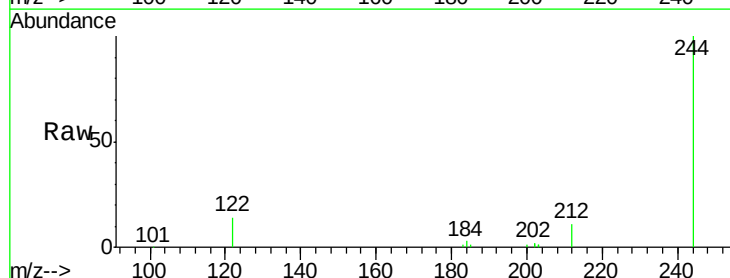
Tgt Ion:244 Resp: 99834

Ion Ratio Lower Upper

244 100

212 10.8 6.5 9.7#

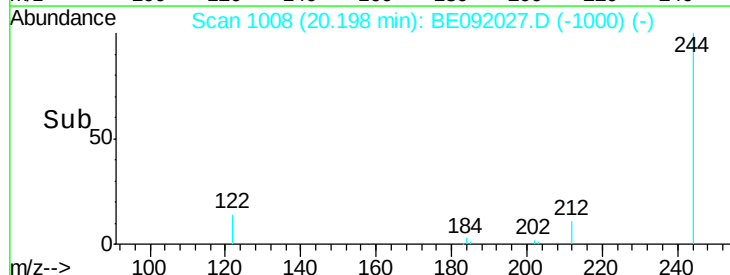
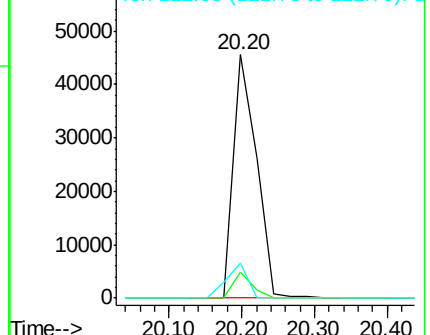
122 14.4 2.9 4.3#

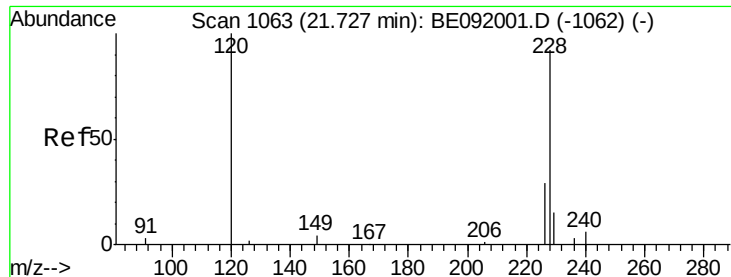


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 10.49 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

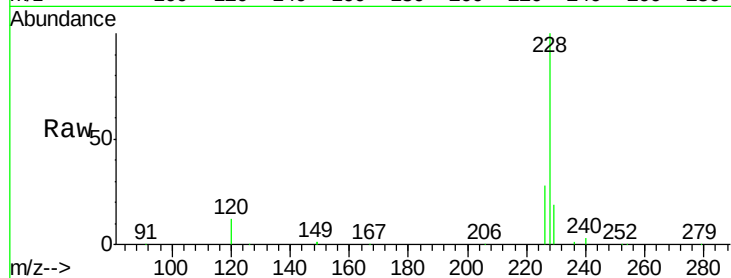
Tgt Ion:228 Resp: 475477

Ion Ratio Lower Upper

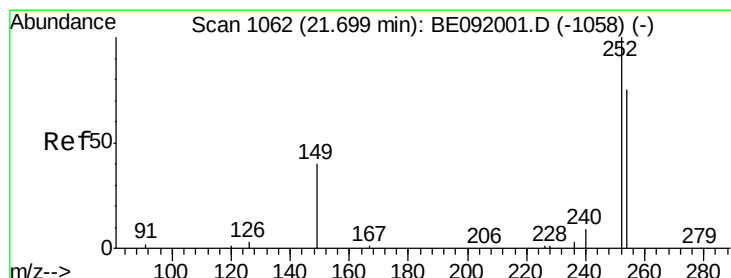
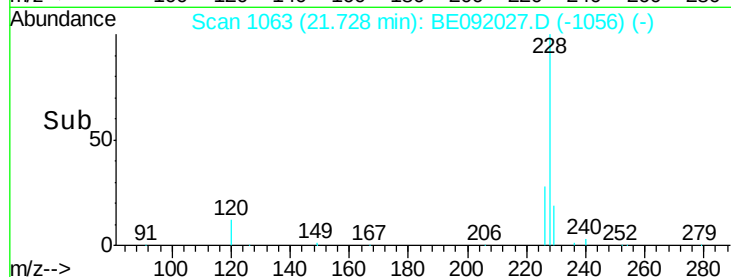
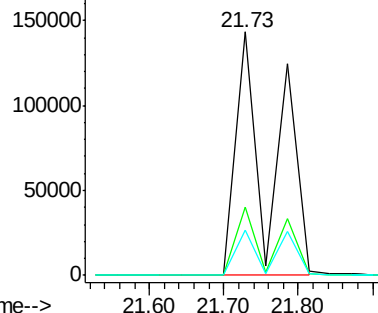
228 100

226 28.1 21.0 31.4

229 18.6 15.8 23.8



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: 3.45 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

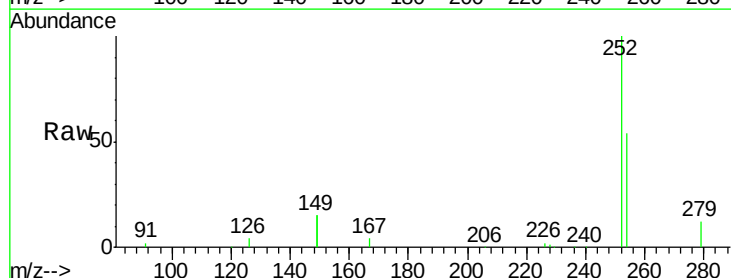
Tgt Ion:252 Resp: 37264

Ion Ratio Lower Upper

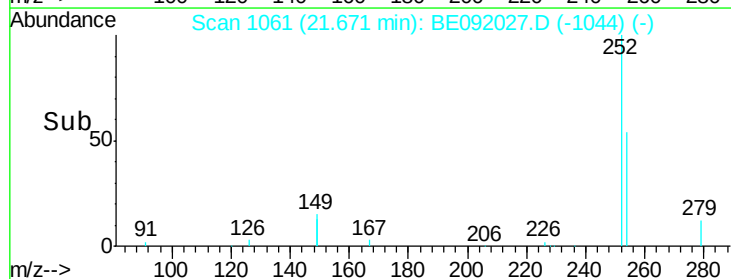
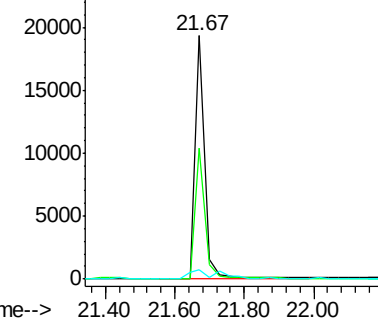
252 100

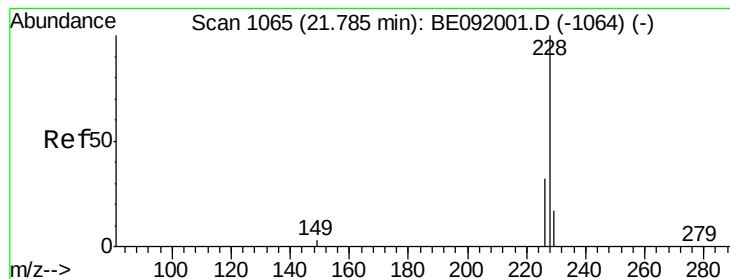
254 53.7 61.5 92.3#

126 3.8 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





#37

Chrysene

Concen: 8.66 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

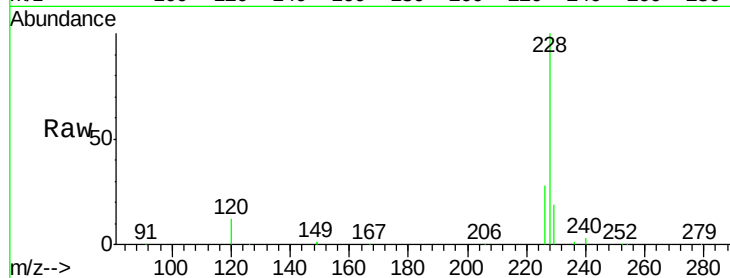
Tgt Ion:228 Resp: 478368

Ion Ratio Lower Upper

228 100

226 28.1 27.0 40.6

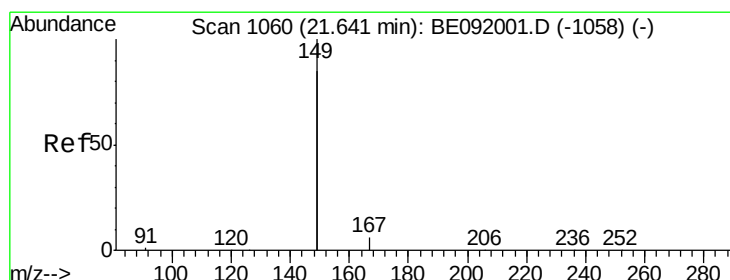
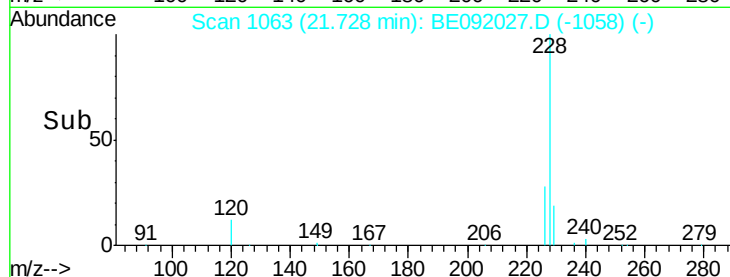
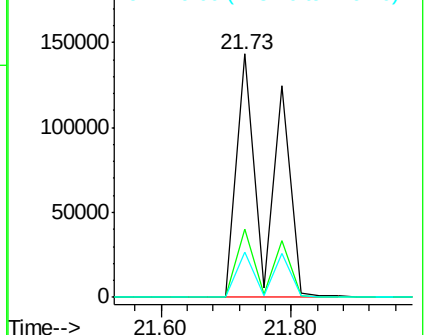
229 18.6 13.8 20.8



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: 11.84 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

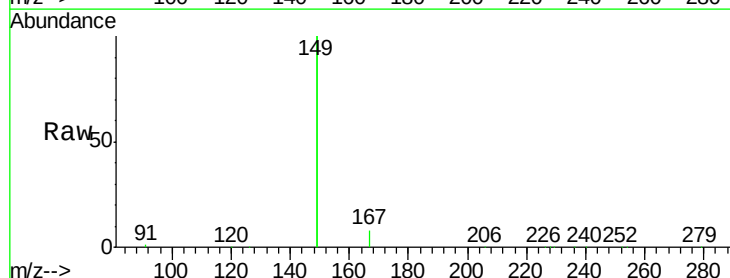
Tgt Ion:149 Resp: 469790

Ion Ratio Lower Upper

149 100

167 4.2 0.0 0.0#

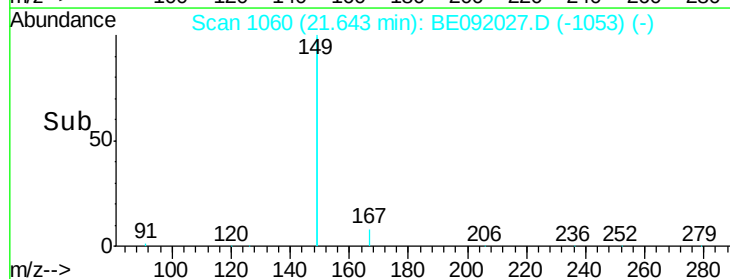
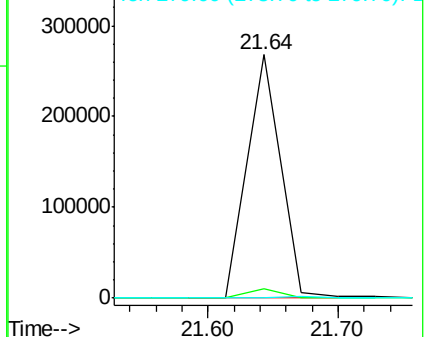
279 0.0 0.0 0.0

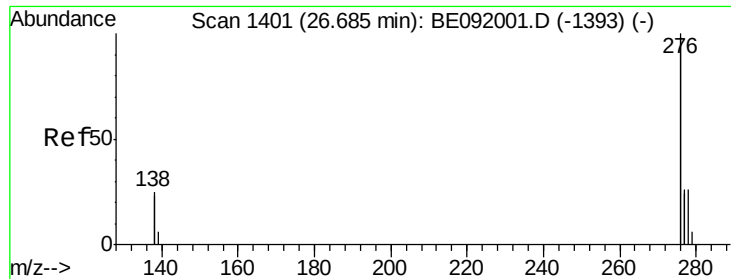


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.99 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

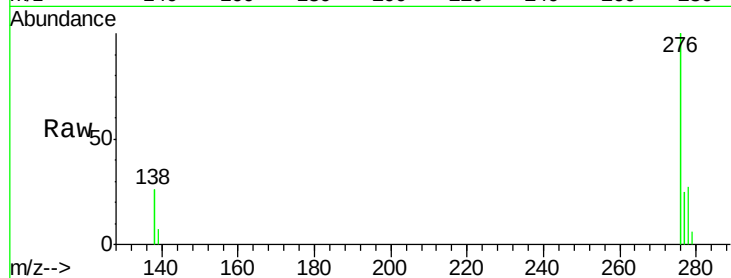
Tgt Ion: 276 Resp: 755883

Ion Ratio Lower Upper

276 100

138 26.4 19.7 29.5

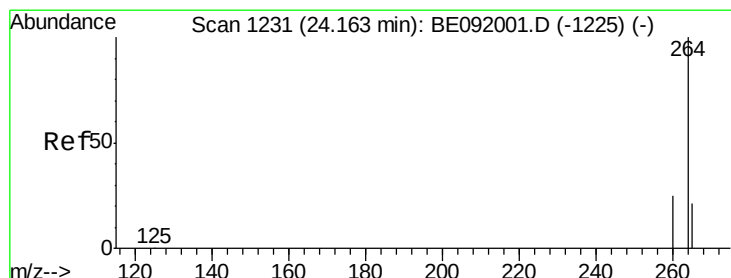
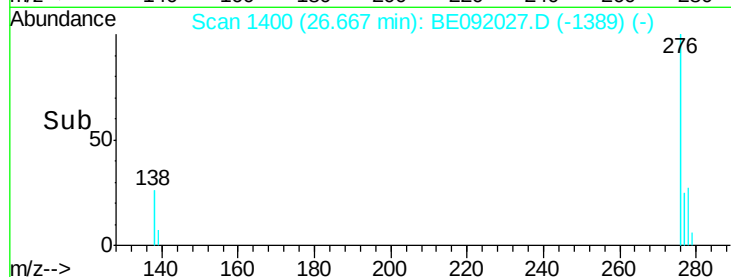
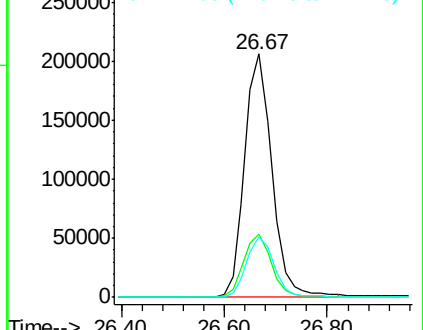
277 24.8 20.1 30.1



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. -0.01 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

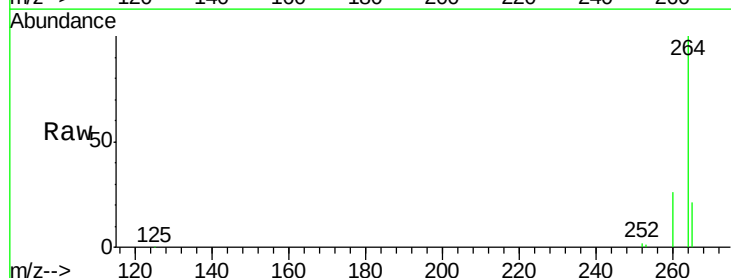
Tgt Ion: 264 Resp: 175787

Ion Ratio Lower Upper

264 100

260 25.8 20.3 30.5

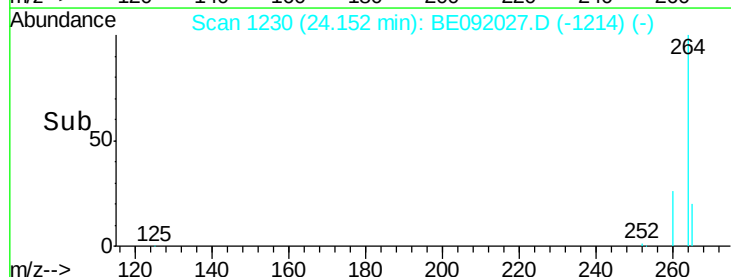
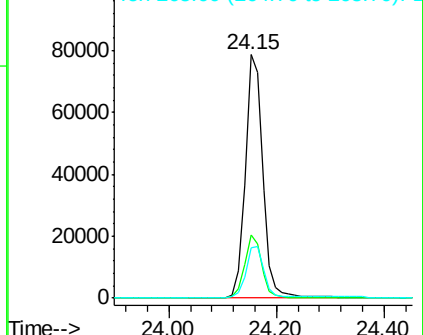
265 20.8 17.6 26.4

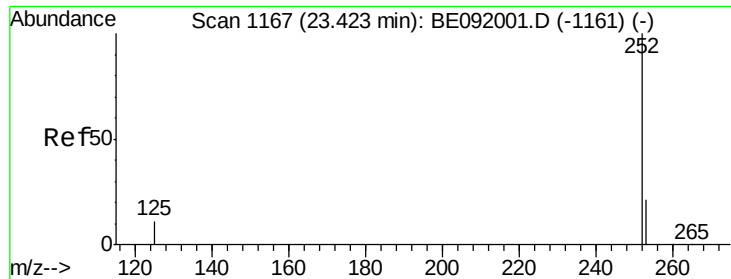


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.75 ng

RT: 23.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

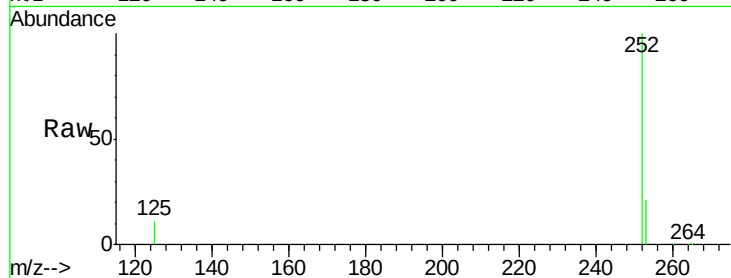
Tgt Ion:252 Resp: 172952

Ion Ratio Lower Upper

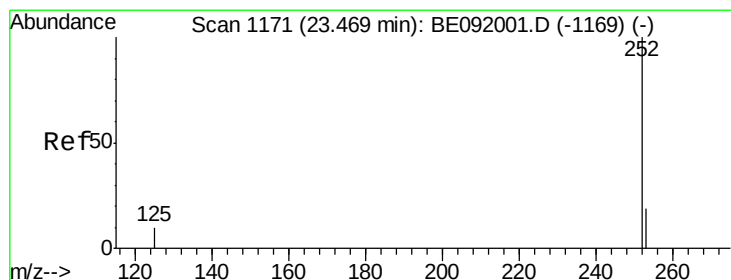
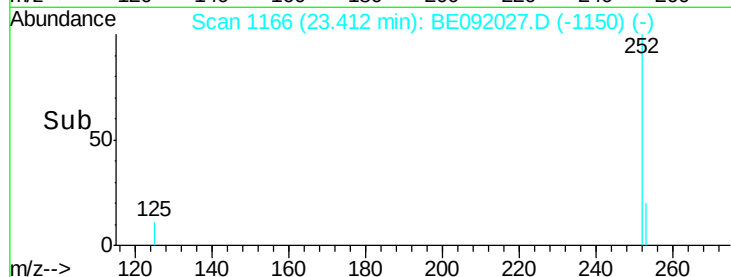
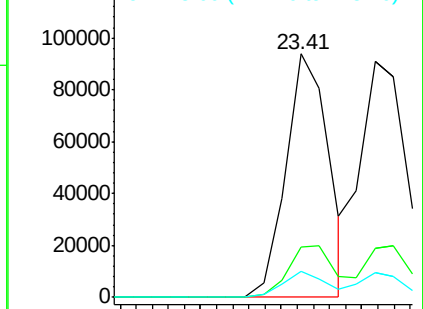
252 100

253 20.6 17.8 26.6

125 10.9 9.4 14.2



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: 3.93 ng

RT: 23.46 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

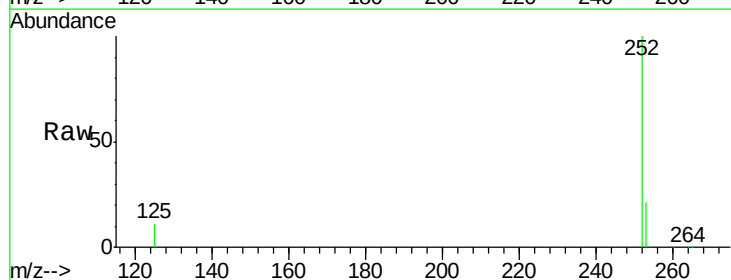
Tgt Ion:252 Resp: 184720

Ion Ratio Lower Upper

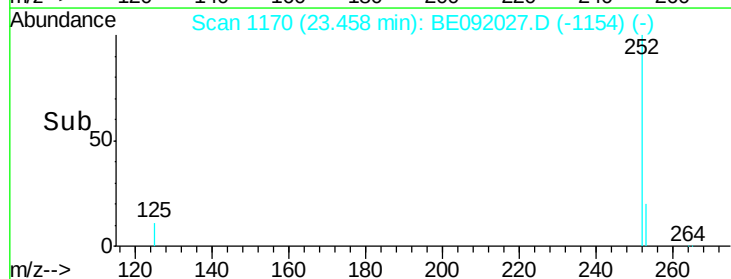
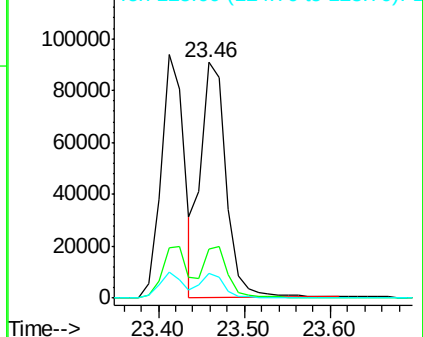
252 100

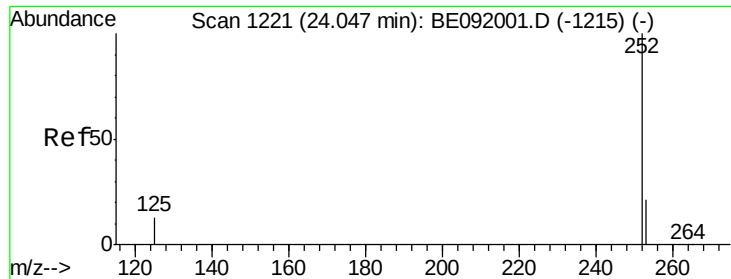
253 20.6 19.4 29.2

125 10.7 8.3 12.5



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: 3.86 ng

RT: 24.05 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS

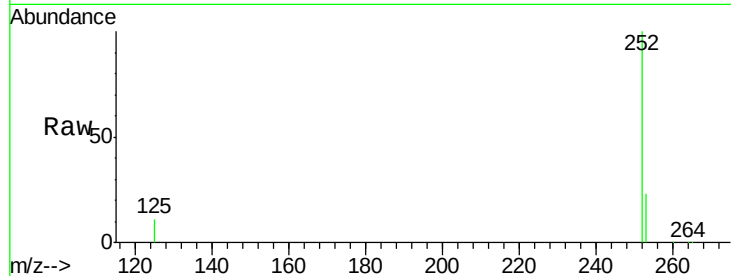
Tgt Ion: 252 Resp: 165570

Ion Ratio Lower Upper

252 100

253 23.3 18.9 28.3

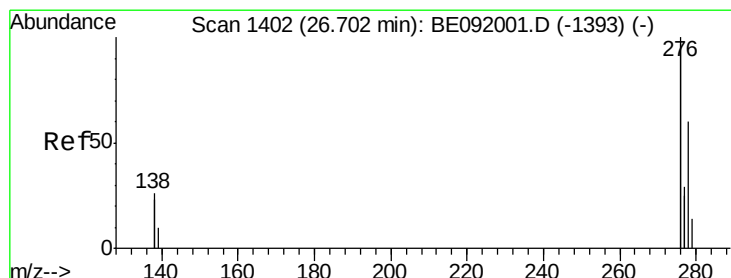
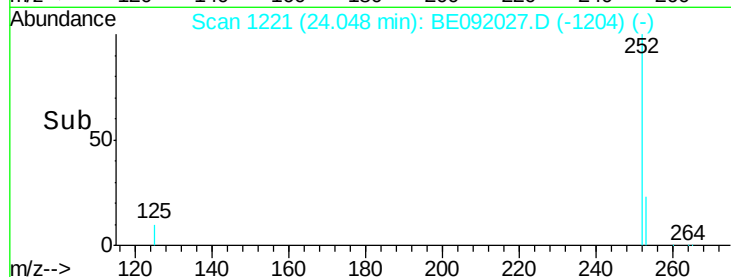
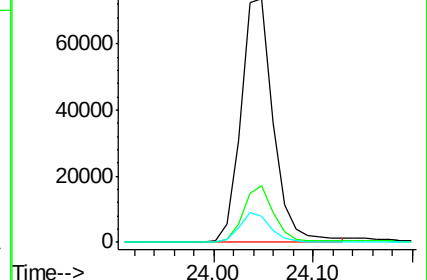
125 10.6 10.5 15.7



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



#44

Dibenzo(a,h)anthracene

Concen: 4.05 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE092027.D

Acq: 23 Jul 2016 4:28

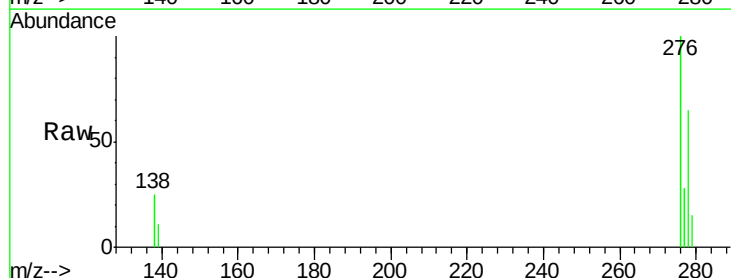
Tgt Ion: 278 Resp: 155282

Ion Ratio Lower Upper

278 100

139 17.4 12.6 18.8

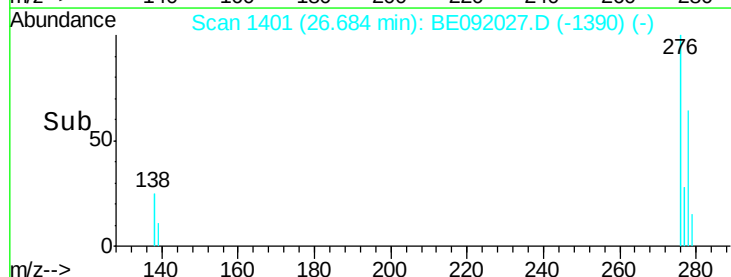
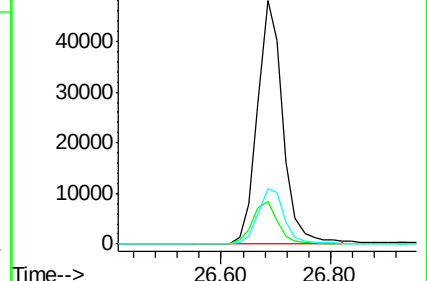
279 22.9 20.0 30.0

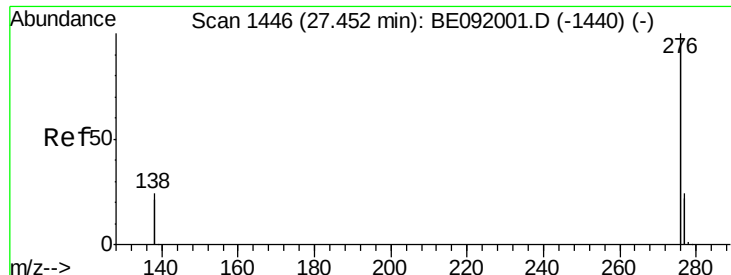


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.00 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BE092027.D

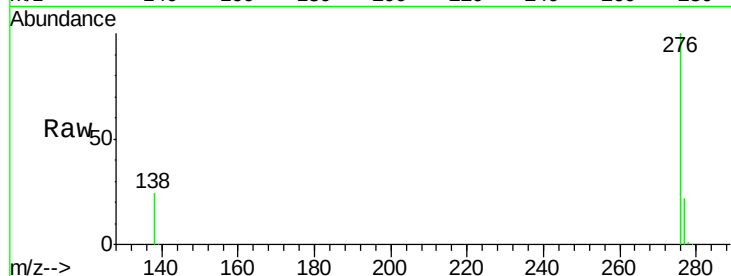
Acq: 23 Jul 2016 4:28

Instrument :

BNA_E

ClientSampleId :

PB92324BS



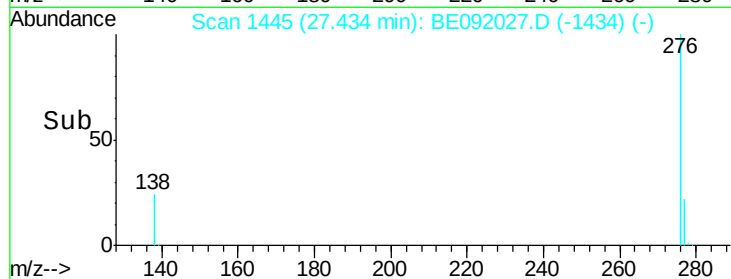
Tgt Ion: 276 Resp: 627913

Ion Ratio Lower Upper

276 100

277 22.4 19.5 29.3

138 24.0 17.7 26.5



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

