

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060816\
 Data File : BE091907.D
 Acq On : 8 Jun 2016 18:48
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jun 09 01:16:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 16:11:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	21235	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	98032	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	58768	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	182070	5.00	ng	0.00
31) Chrysene-d12	21.30	240	135124	5.00	ng	0.00
40) Perylene-d12	23.71	264	194589	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.37	112	1865	0.41	ng	0.00
5) Phenol-d6	6.95	99	2378	0.42	ng	0.00
9) Nitrobenzene-d5	8.94	82	2720	0.40	ng	0.00
16) 2,4,6-Tribromophenol	15.87	330	724	0.43	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	7769	0.44	ng	0.00
34) Terphenyl-d14	19.74	244	13438	0.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.31	88	1315	0.41	ng	95
3) n-Nitrosodimethylamine	3.61	42	1350	0.38	ng	# 85
6) bis(2-Chloroethyl)ether	7.20	93	2354	0.39	ng	98
7) n-Nitroso-di-n-propylamine	8.57	70	1803	0.38	ng	# 100
10) Nitrobenzene	8.96	77	2349	0.40	ng	# 100
11) bis(2-Chloroethoxy)methane	9.98	93	3731	0.37	ng	# 70
12) Naphthalene	10.59	128	8985	0.42	ng	97
13) Hexachlorobutadiene	10.88	225	1358	0.43	ng	99
14) 2-Methylnaphthalene	12.22	142	5544	0.41	ng	96
18) Acenaphthylene	14.11	152	10215	0.38	ng	99
19) 2,6-Dinitrotoluene	13.96	165	985	0.38	ng	94
20) Acenaphthene	14.44	154	6630	0.41	ng	99
21) 2,4-Dinitrotoluene	14.76	165	1068	0.41	ng	# 94
22) Fluorene	15.42	166	7870	0.40	ng	98
23) 4-Chlorophenyl-phenylether	15.42	204	3980	0.41	ng	98
25) 4-Bromophenyl-phenylether	16.31	248	2355	0.36	ng	97
26) Hexachlorobenzene	16.44	284	2594	0.39	ng	99
27) Pentachlorophenol	16.78	266	757	0.39	ng	91
28) Phenanthrene	17.16	178	16000	0.38	ng	100
29) Anthracene	17.26	178	13600	0.36	ng	99
30) Fluoranthene	19.17	202	16534	0.36	ng	99
32) Benzidine	19.38	184	3311	0.40	ng	# 95
33) Pyrene	19.53	202	17690	0.52	ng	100
35) Benzo(a)anthracene	21.27	228	136452	0.70	ng	# 84
36) 3,3'-Dichlorobenzidine	21.21	252	3437	0.41	ng	# 80
37) Chrysene	21.27	228	138318	1.00	ng	# 74
38) Bis(2-ethylhexyl)phthalate	21.19	149	5812	0.35	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	19430	0.42	ng	98
41) Benzo(b)fluoranthene	22.98	252	18524	0.39	ng	99
42) Benzo(k)fluoranthene	23.02	252	19804	0.40	ng	97
43) Benzo(a)pyrene	23.59	252	17482	0.39	ng	98
44) Dibenzo(a,h)anthracene	26.29	278	16013	0.39	ng	98
45) Benzo(g,h,i)perylene	27.05	276	17106	0.39	ng	99

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Response via : Initial Calibration

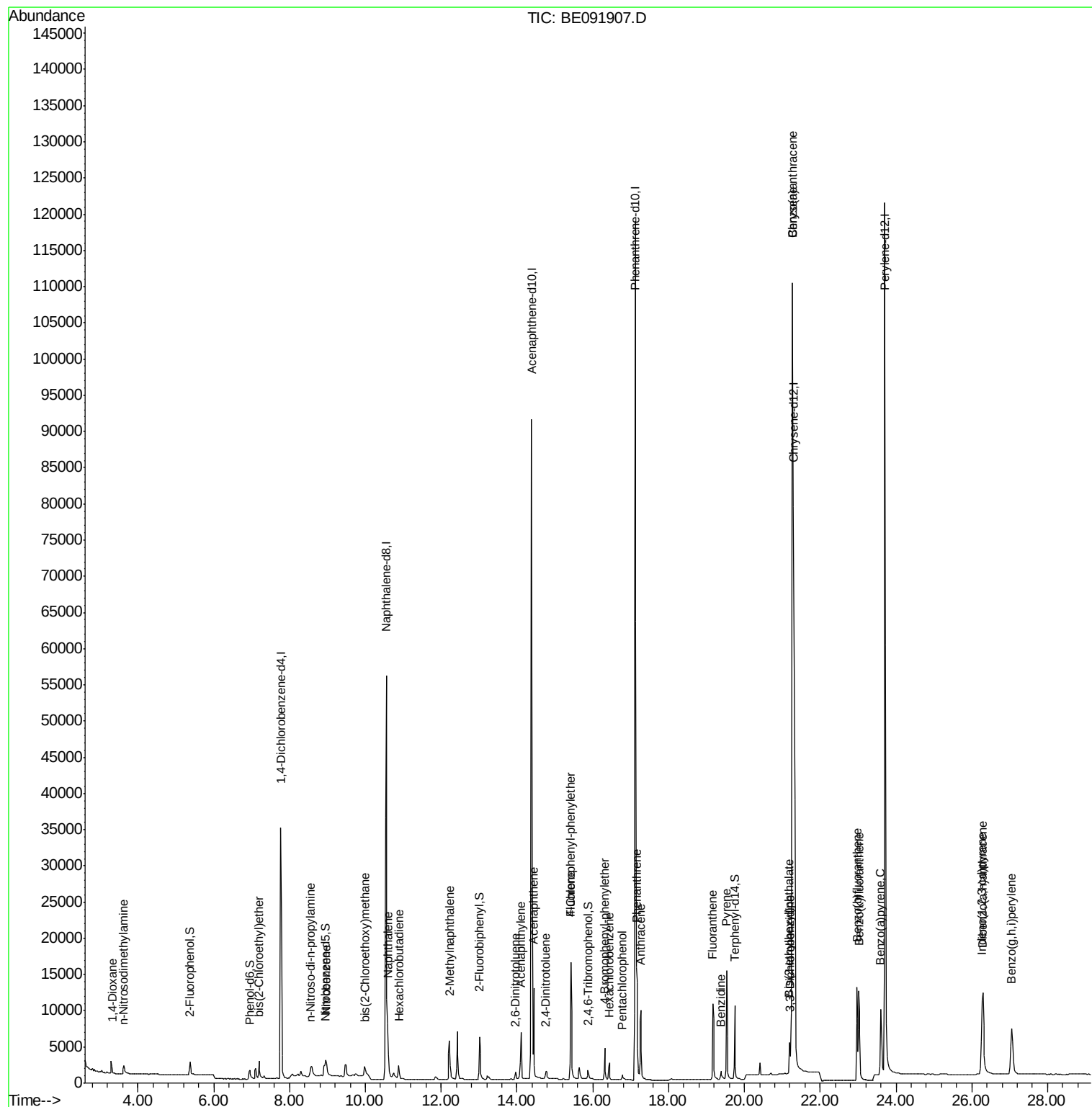
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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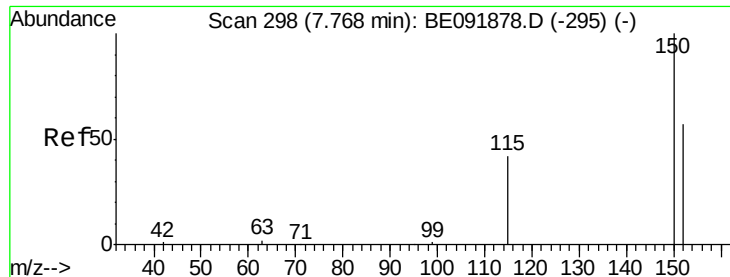
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

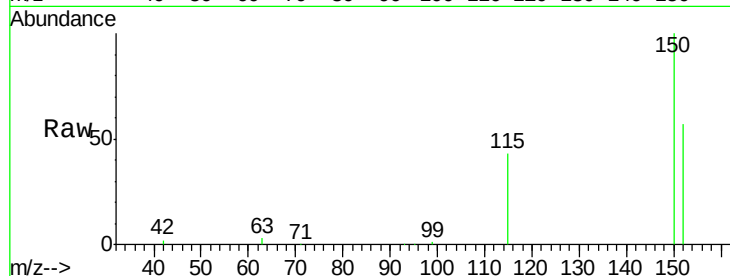
Tgt Ion:152 Resp: 21235

Ion Ratio Lower Upper

152 100

150 176.4 123.9 185.9

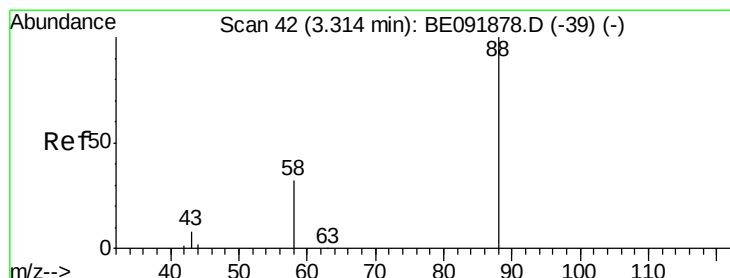
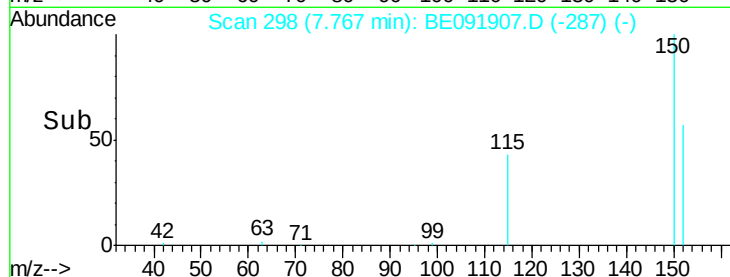
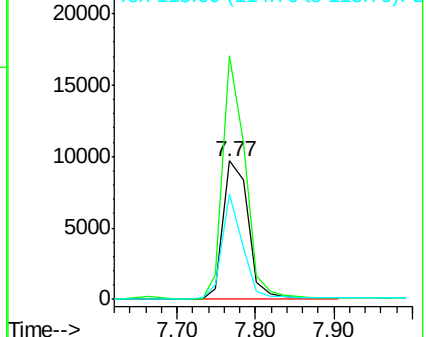
115 76.6 48.3 72.5#



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: 0.41 ng

RT: 3.31 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

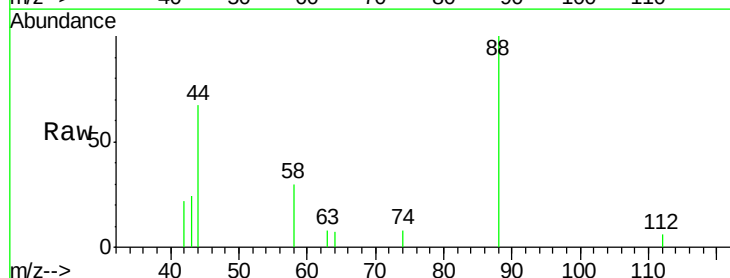
Tgt Ion: 88 Resp: 1315

Ion Ratio Lower Upper

88 100

58 84.3 63.0 94.4

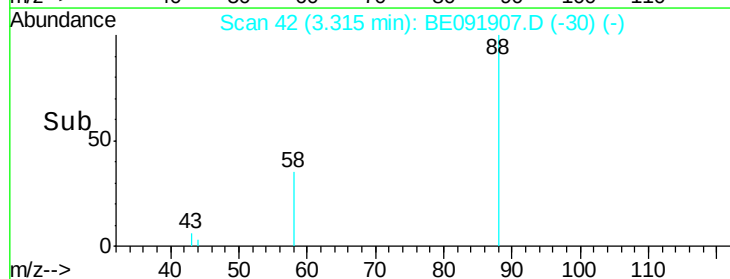
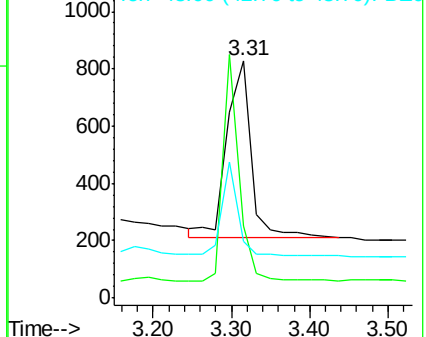
43 34.5 29.1 43.7

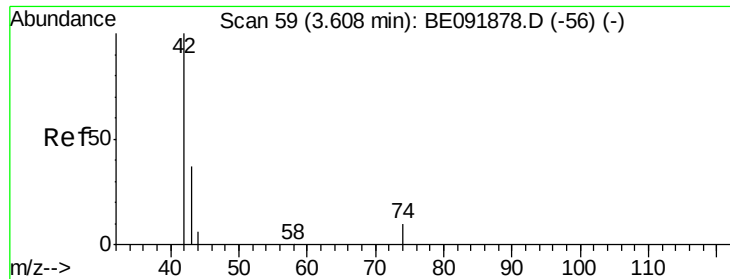


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.38 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

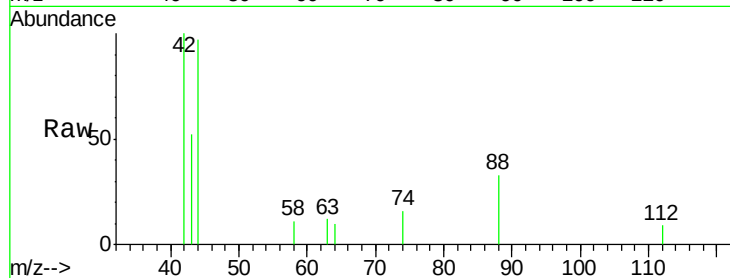
Tgt Ion: 42 Resp: 1350

Ion Ratio Lower Upper

42 100

74 100.4 93.4 140.0

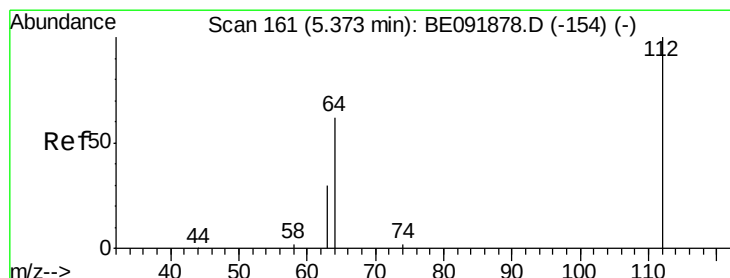
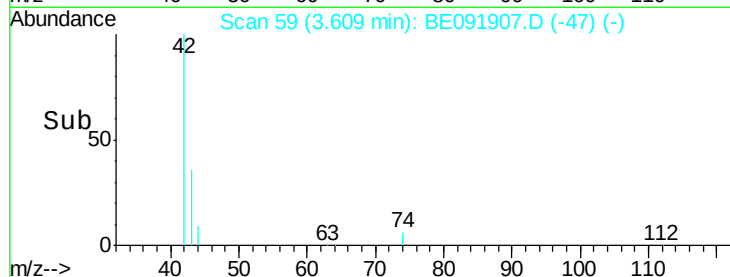
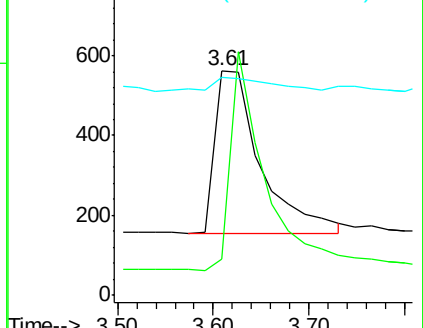
44 12.5 5.0 7.6#



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: 0.41 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

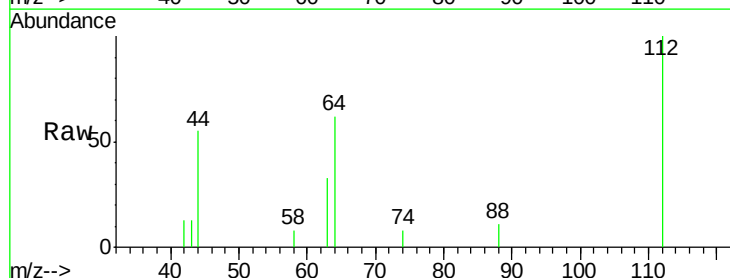
Tgt Ion: 112 Resp: 1865

Ion Ratio Lower Upper

112 100

64 66.5 53.7 80.5

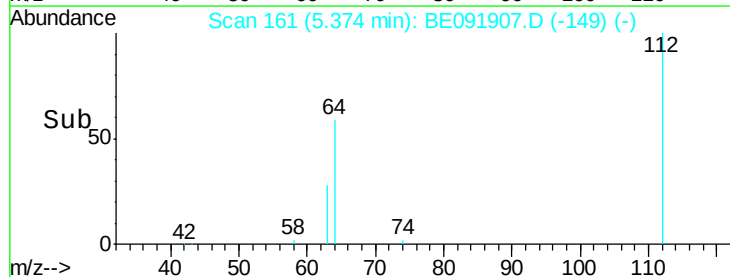
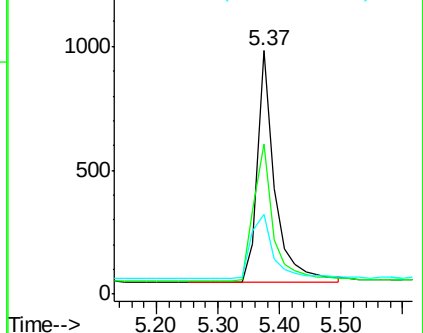
63 35.1 29.5 44.3

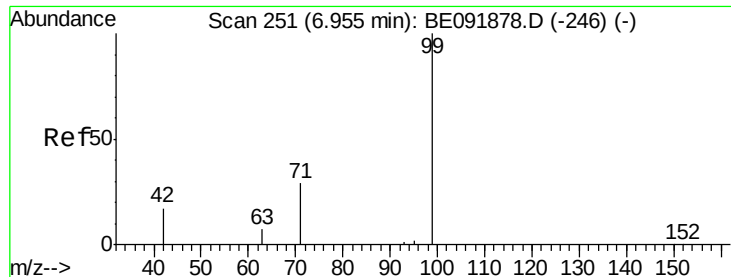


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.42 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

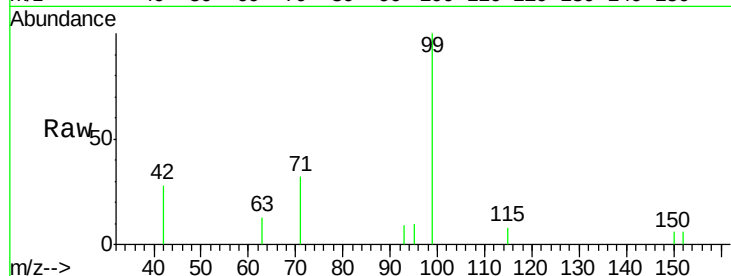
Tgt Ion: 99 Resp: 2378

Ion Ratio Lower Upper

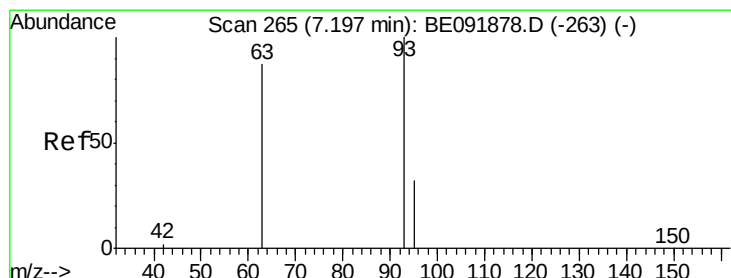
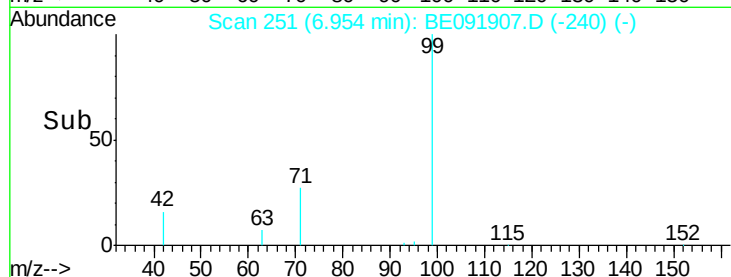
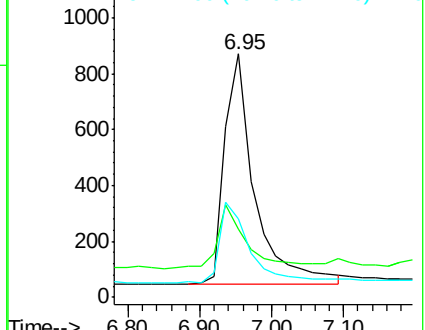
99 100

42 26.2 19.6 29.4

71 35.4 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: 0.39 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

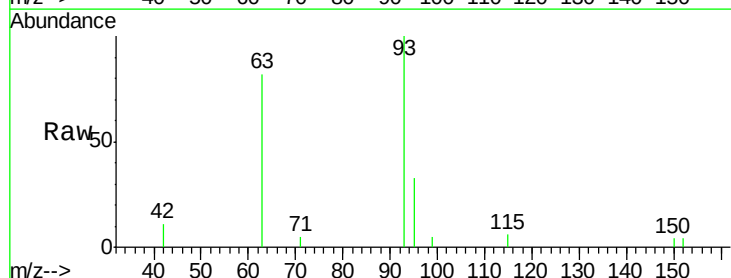
Tgt Ion: 93 Resp: 2354

Ion Ratio Lower Upper

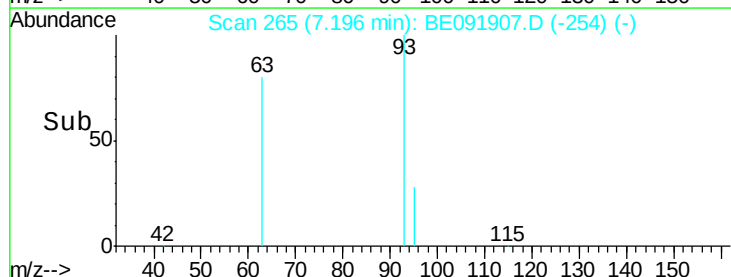
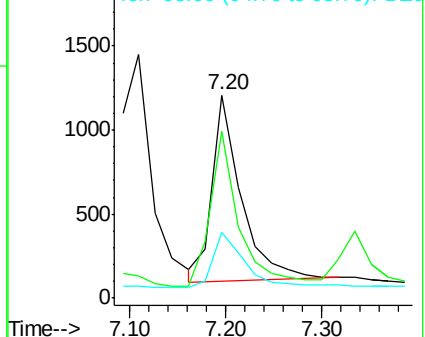
93 100

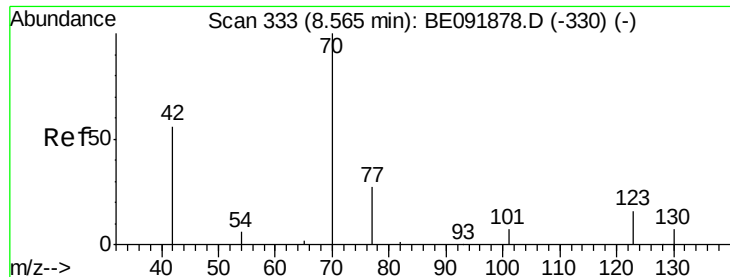
63 80.8 66.2 99.4

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: 0.38 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 1803

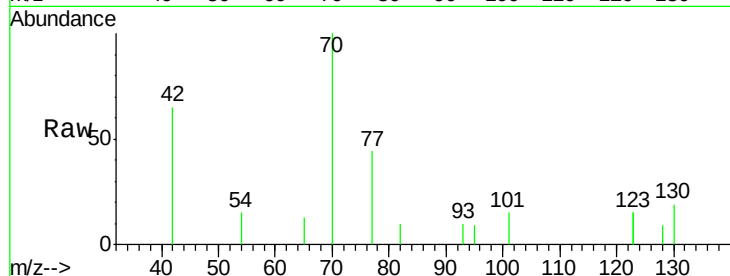
Ion Ratio Lower Upper

70 100

42 73.0 58.4 87.6

101 9.4 6.4 9.6

130 16.6 0.0 0.0#

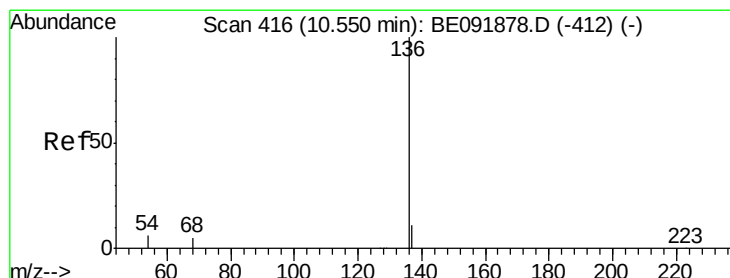
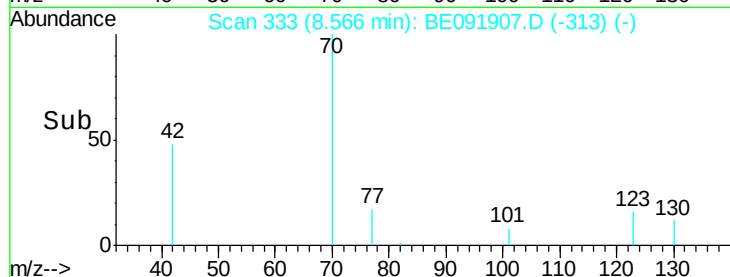
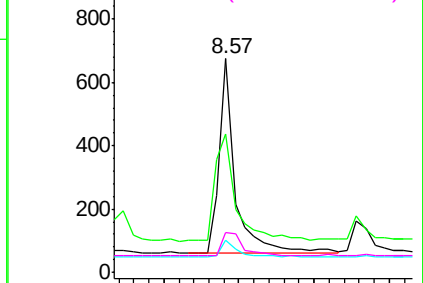


Abundance Ion 70.00 (69.70 to 70.70): BE0

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: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Tgt Ion: 136 Resp: 98032

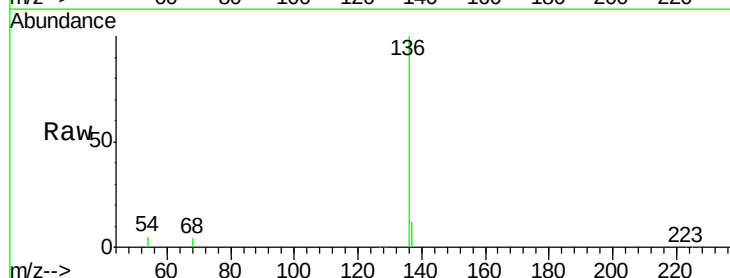
Ion Ratio Lower Upper

136 100

137 11.7 8.3 12.5

54 5.3 8.2 12.4#

68 4.1 5.9 8.9#

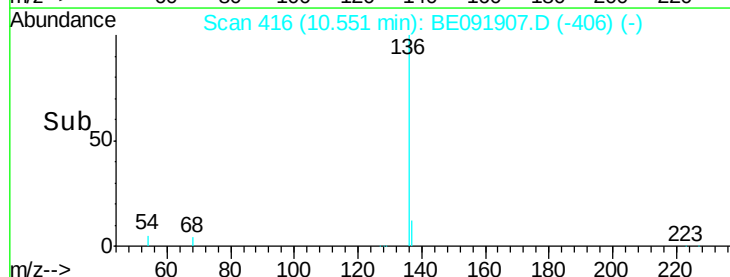
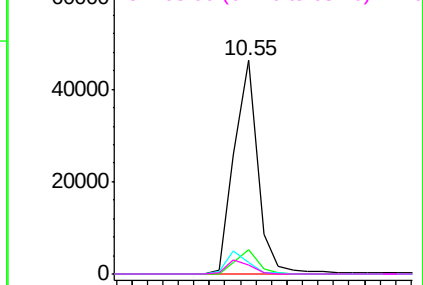


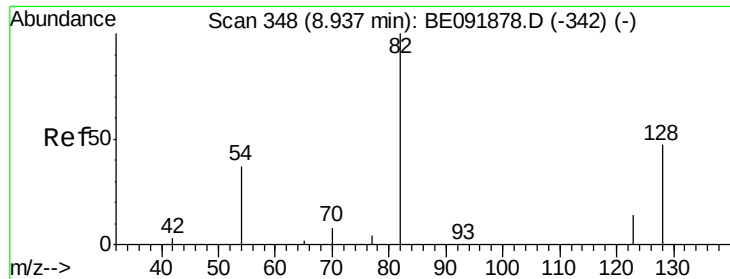
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.40 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

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SSTDCCC0.4EC

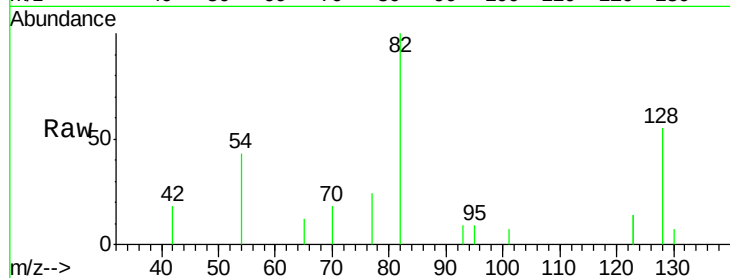
Tgt Ion: 82 Resp: 2720

Ion Ratio Lower Upper

82 100

128 55.1 39.5 59.3

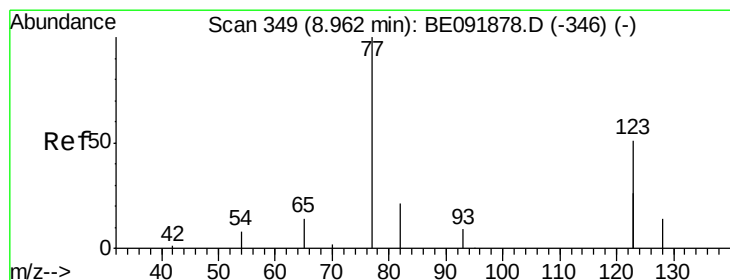
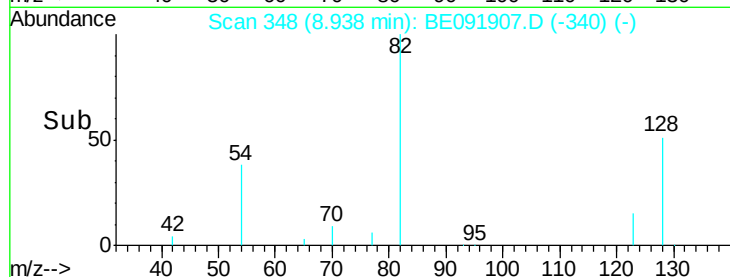
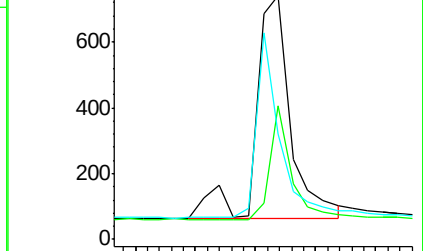
54 43.5 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.40 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

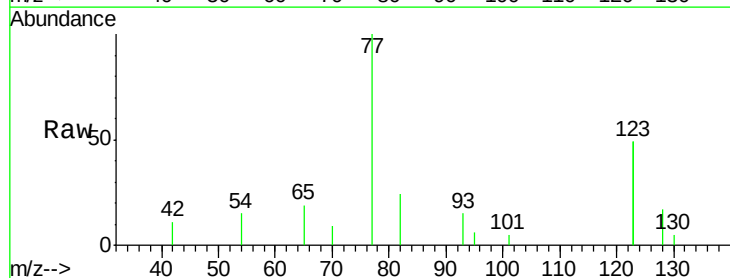
Tgt Ion: 77 Resp: 2349

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

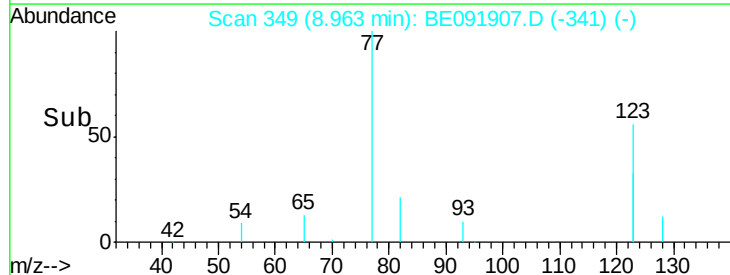
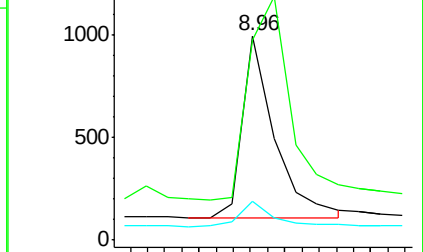
65 13.7 11.1 16.7

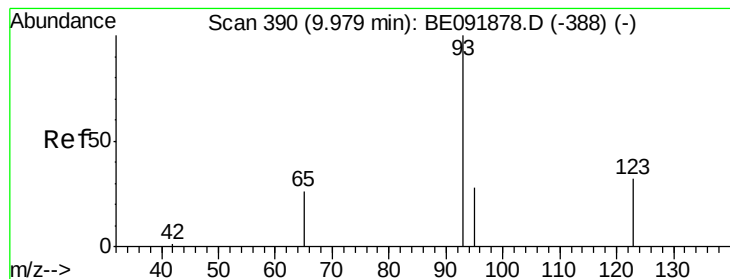


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.37 ng

RT: 9.98 min Scan# 390

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

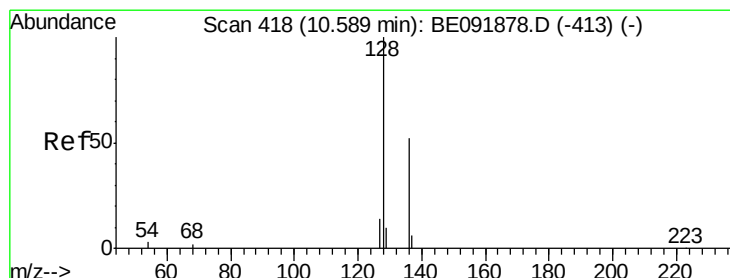
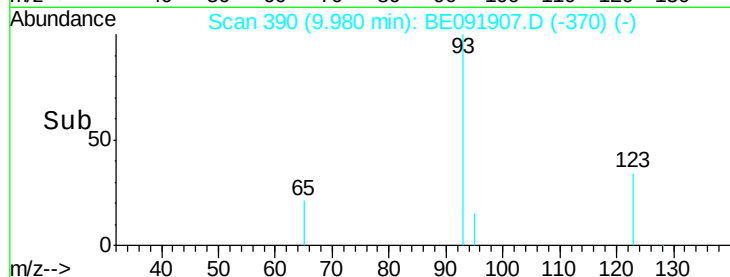
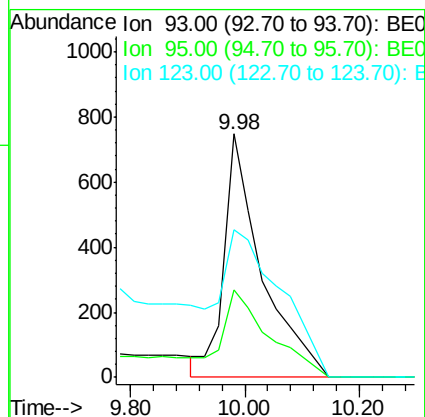
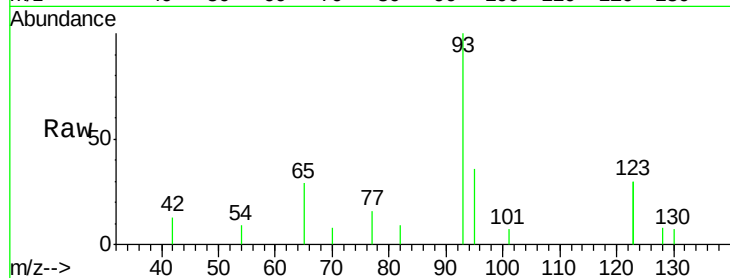
Tgt Ion: 93 Resp: 3731

Ion Ratio Lower Upper

93 100

95 44.9 57.6 86.4#

123 92.6 100.2 150.4#



#12

Naphthalene

Concen: 0.42 ng

RT: 10.59 min Scan# 418

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

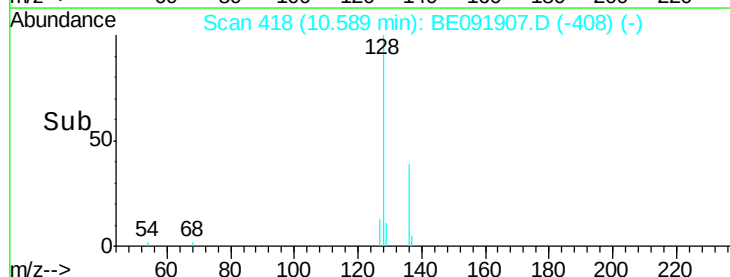
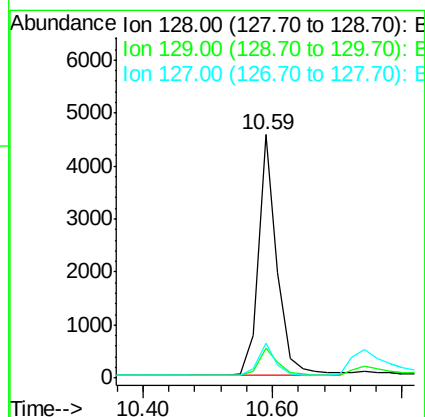
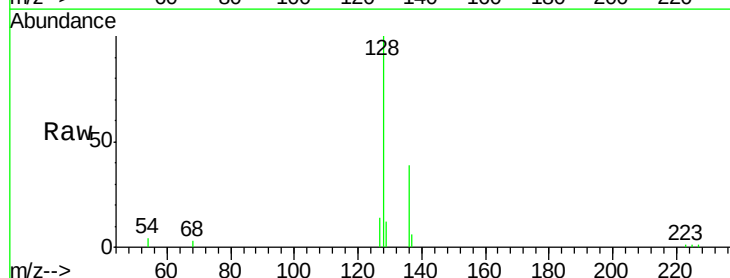
Tgt Ion: 128 Resp: 8985

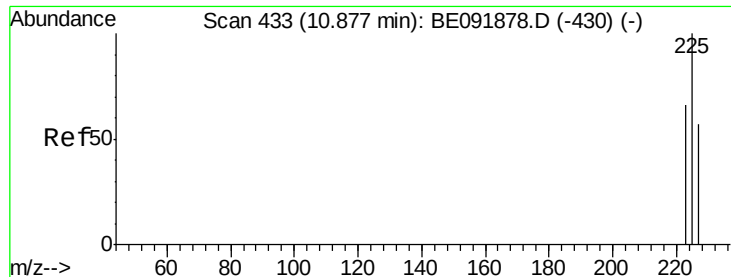
Ion Ratio Lower Upper

128 100

129 12.0 10.4 15.6

127 14.1 10.2 15.2

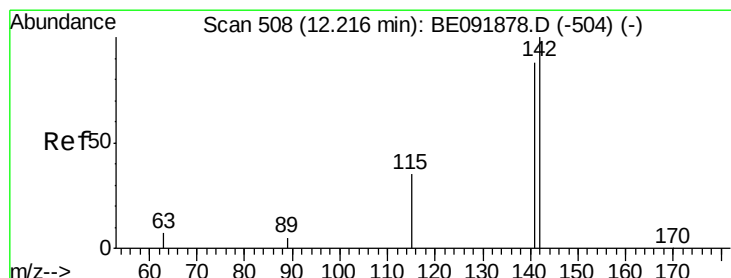
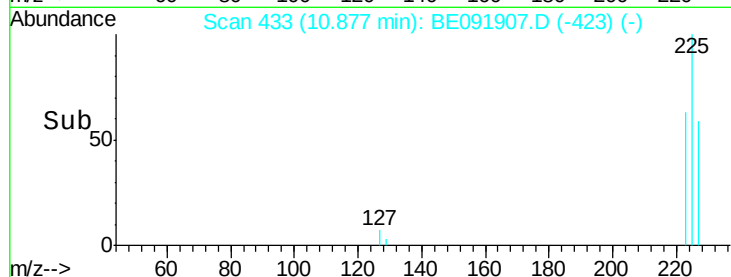
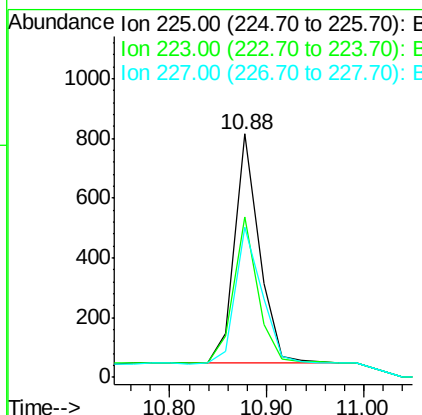
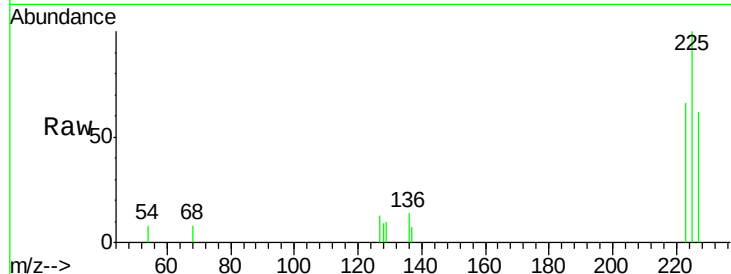




#13
Hexachlorobutadiene
Concen: 0.43 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

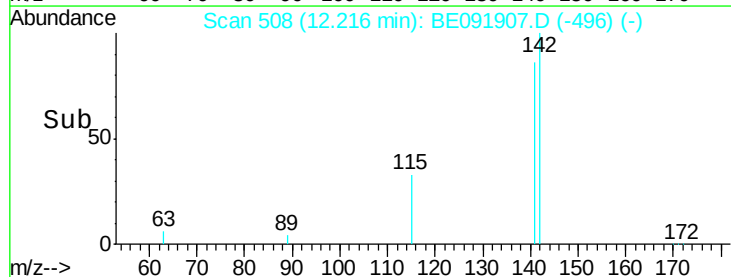
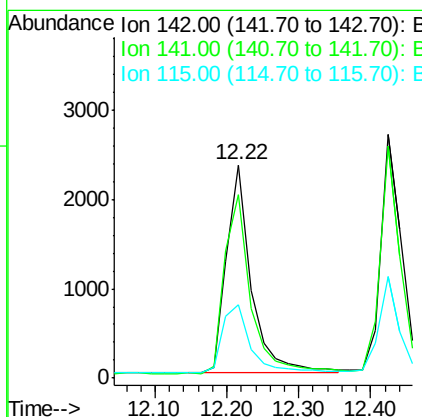
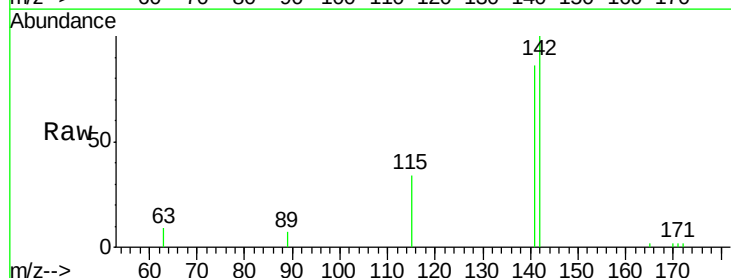
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

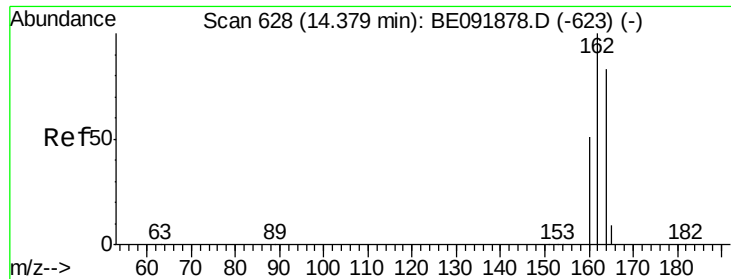
Tgt Ion: 225 Resp: 1358
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.8
227 64.0 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.22 min Scan# 508
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Tgt Ion: 142 Resp: 5544
Ion Ratio Lower Upper
142 100
141 86.2 71.9 107.9
115 34.3 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

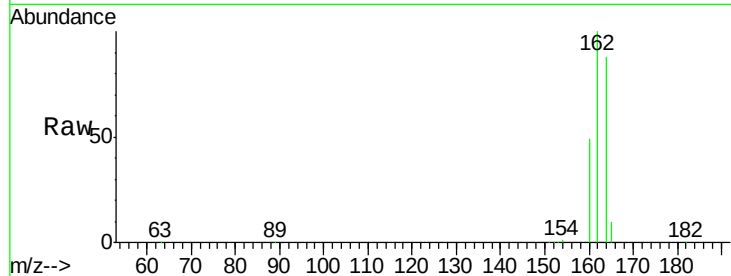
Tgt Ion:164 Resp: 58768

Ion Ratio Lower Upper

164 100

162 113.3 71.8 107.8#

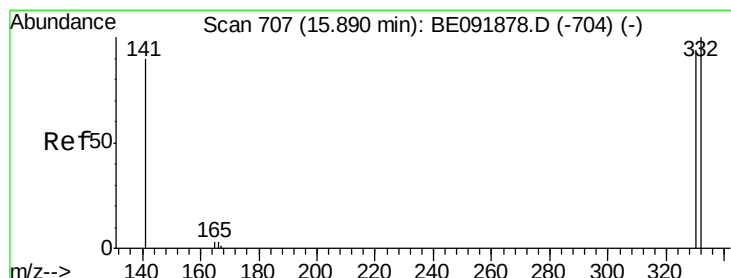
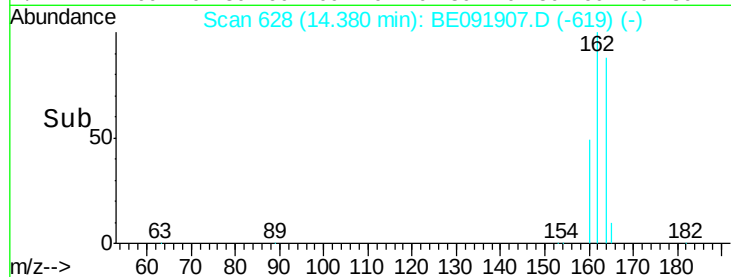
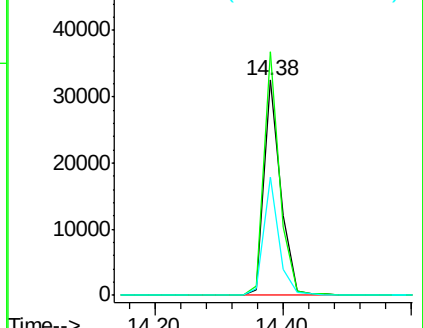
160 55.2 28.0 42.0#



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: 0.43 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

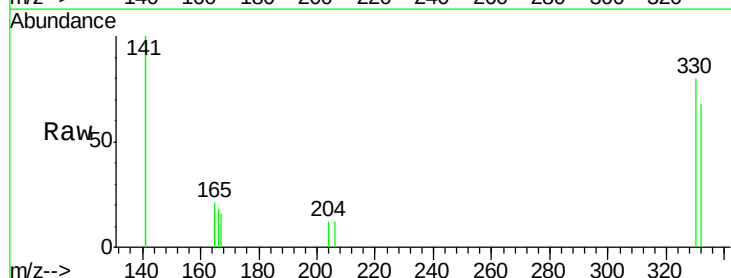
Tgt Ion:330 Resp: 724

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

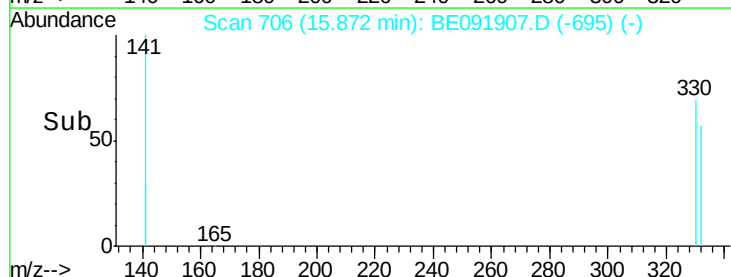
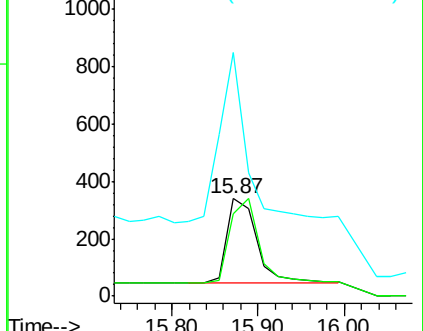
141 177.8 138.4 207.6

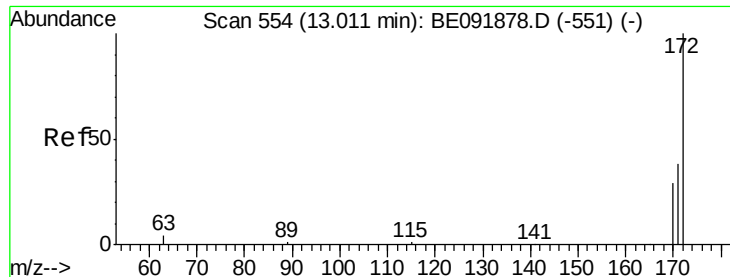


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

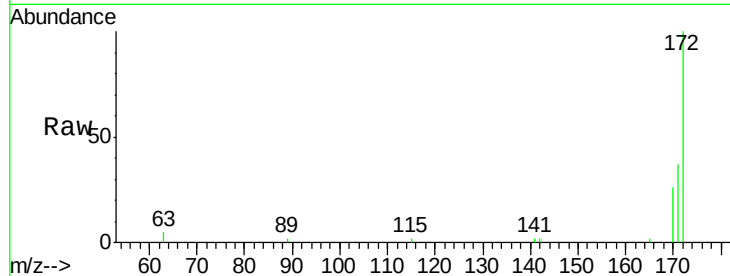




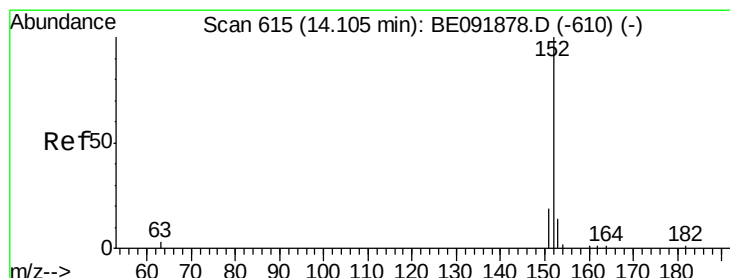
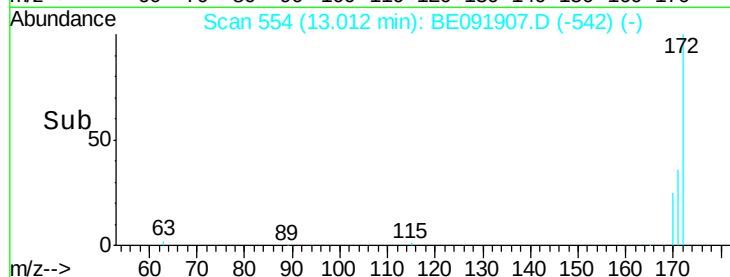
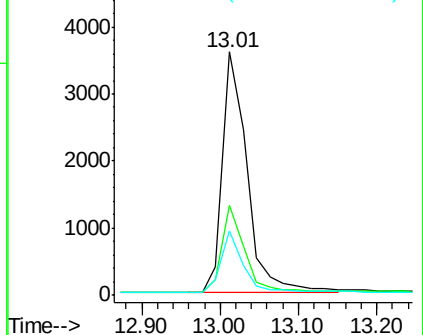
#17
2-Fluorobiphenyl
Concen: 0.44 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7769
Ion Ratio Lower Upper
172 100
171 36.8 24.3 36.5#
170 26.2 14.9 22.3#

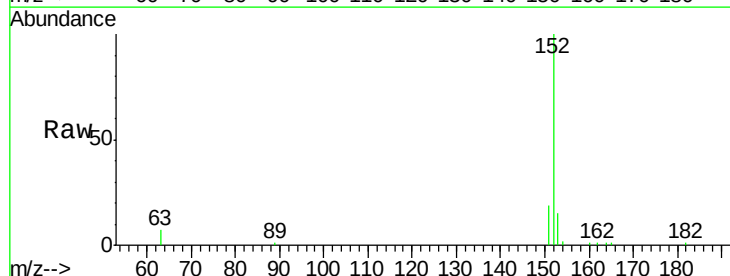


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

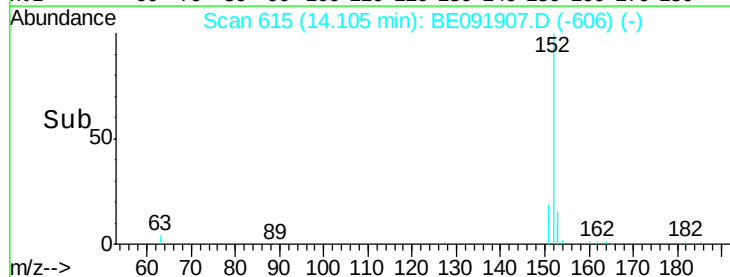
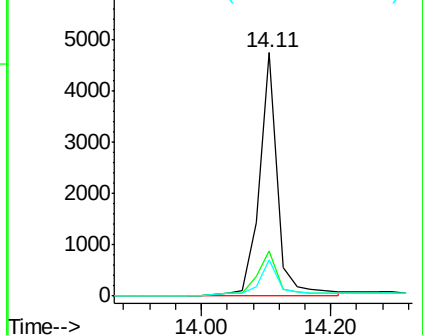


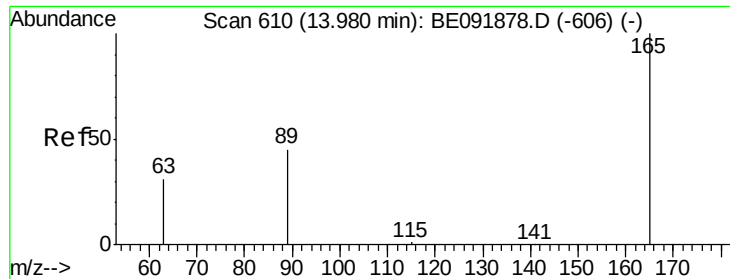
#18
Acenaphthylene
Concen: 0.38 ng
RT: 14.11 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Tgt Ion:152 Resp: 10215
Ion Ratio Lower Upper
152 100
151 23.9 19.4 29.2
153 18.5 14.4 21.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

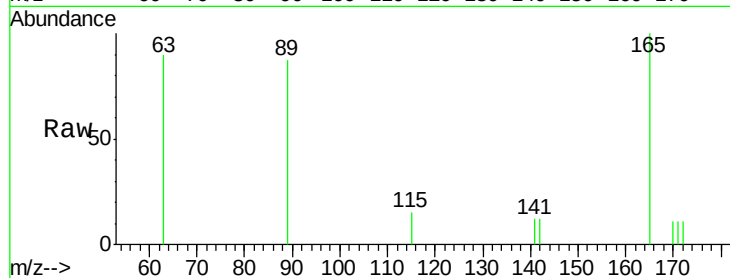




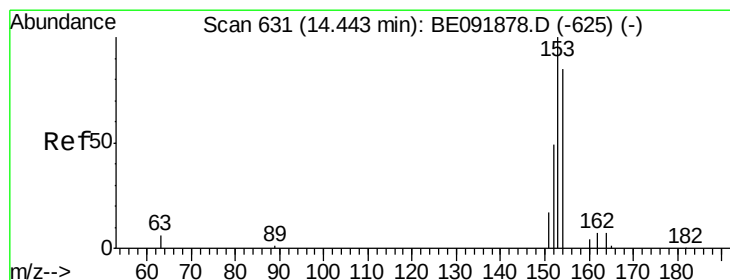
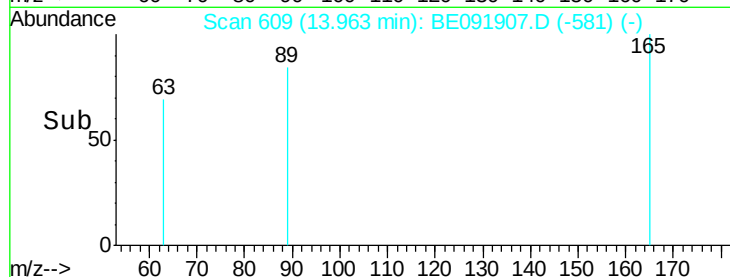
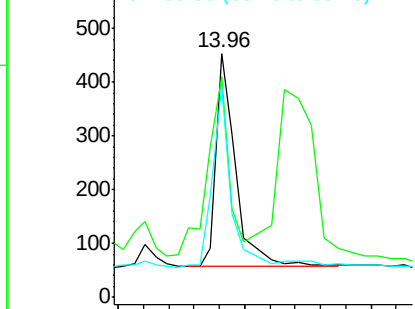
#19
2,6-Dinitrotoluene
Concen: 0.38 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 985
Ion Ratio Lower Upper
165 100
63 86.6 65.9 98.9
89 80.6 59.1 88.7

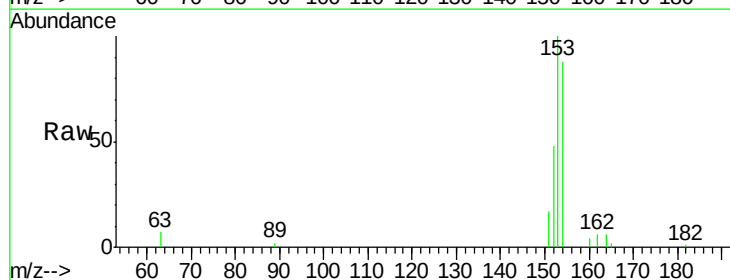


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

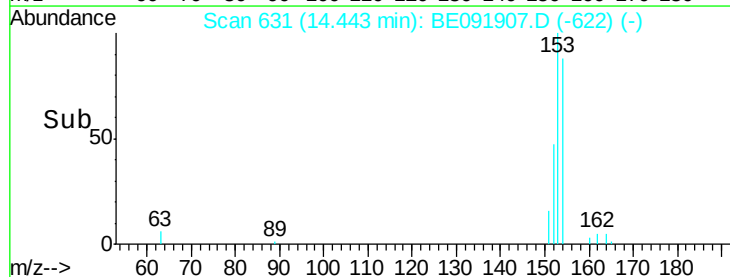
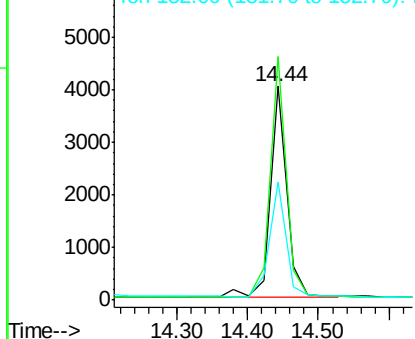


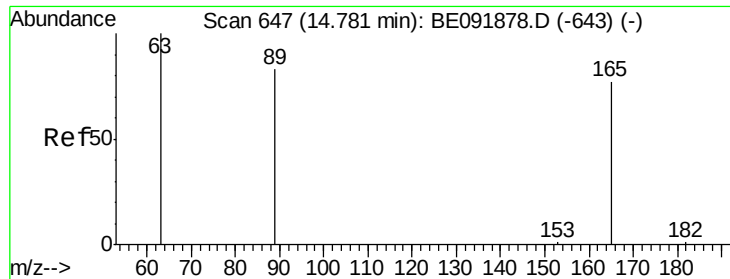
#20
Acenaphthene
Concen: 0.41 ng
RT: 14.44 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Tgt Ion:154 Resp: 6630
Ion Ratio Lower Upper
154 100
153 110.4 88.1 132.1
152 53.7 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

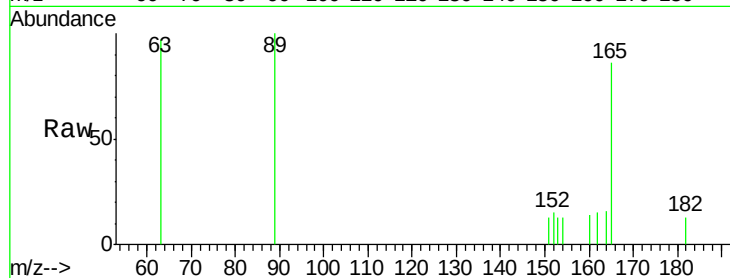




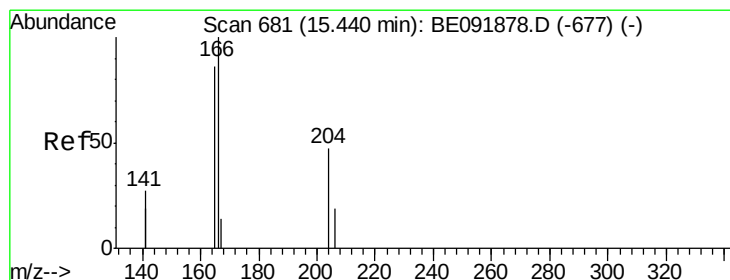
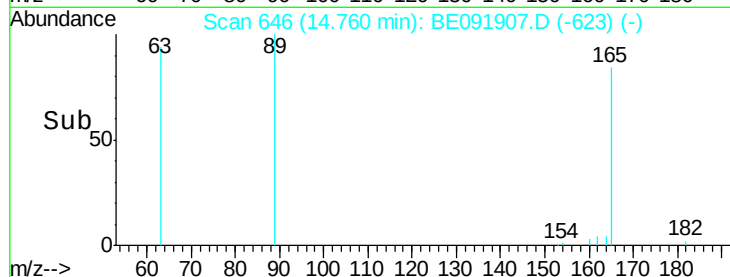
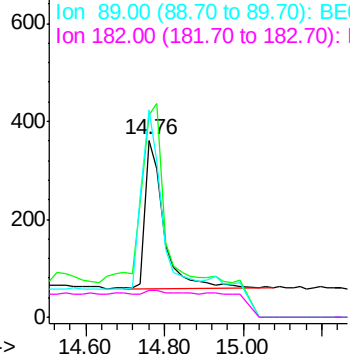
#21
2,4-Dinitrotoluene
Concen: 0.41 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.02 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 1068
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 118.5 99.8 149.8
182 0.0 0.0 0.0

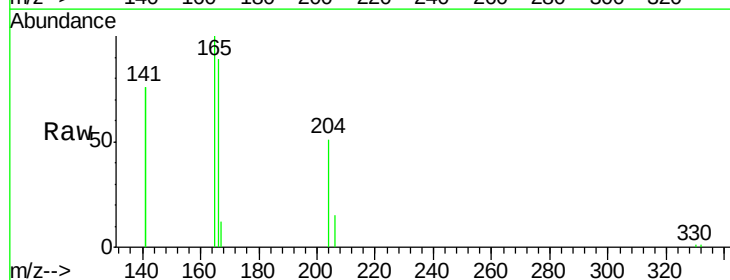


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

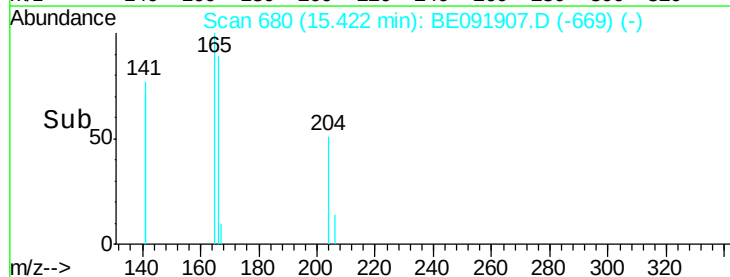
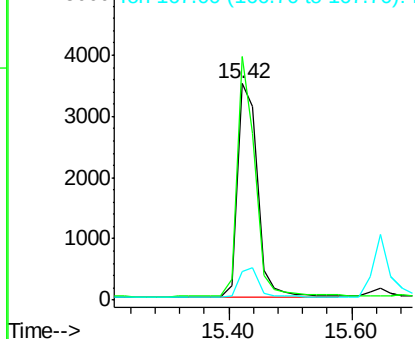


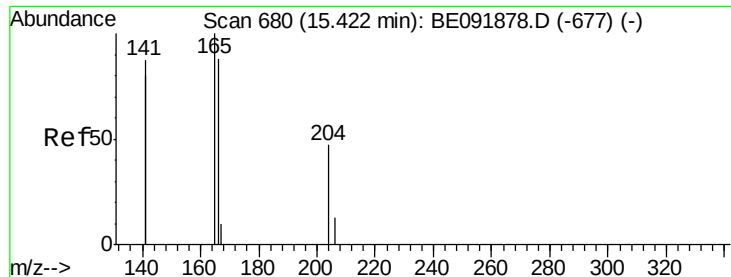
#22
Fluorene
Concen: 0.40 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.02 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Tgt Ion:166 Resp: 7870
Ion Ratio Lower Upper
166 100
165 100.5 78.6 117.8
167 13.9 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





#23

4-Chlorophenyl-phenylether

Concen: 0.41 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

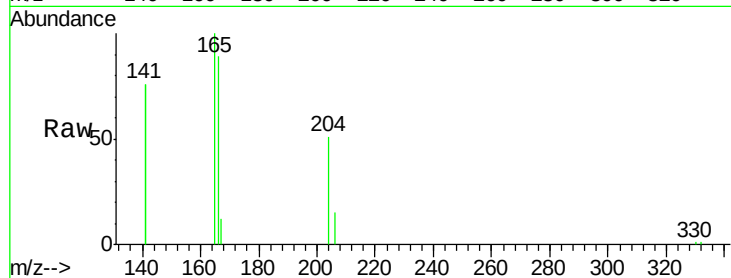
Tgt Ion: 204 Resp: 3980

Ion Ratio Lower Upper

204 100

206 33.5 27.8 41.6

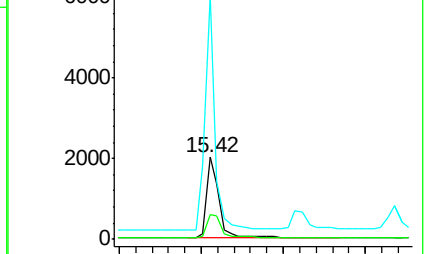
141 244.0 197.6 296.4



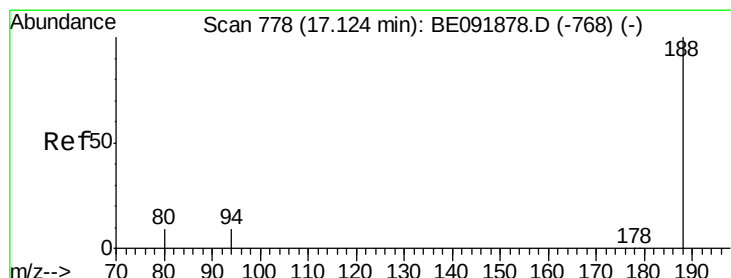
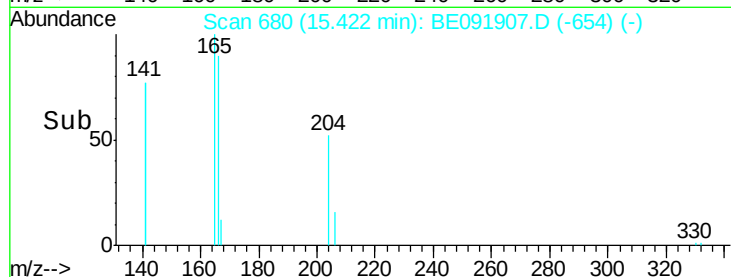
Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.12 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

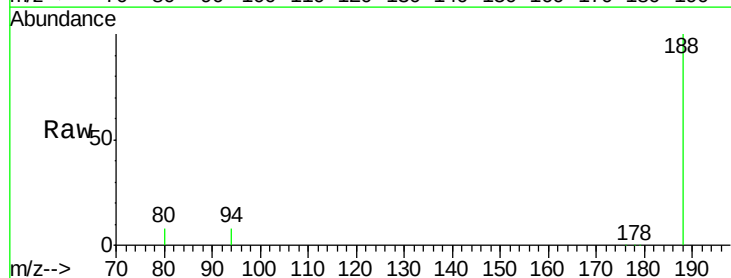
Tgt Ion: 188 Resp: 182070

Ion Ratio Lower Upper

188 100

94 8.1 4.1 6.1#

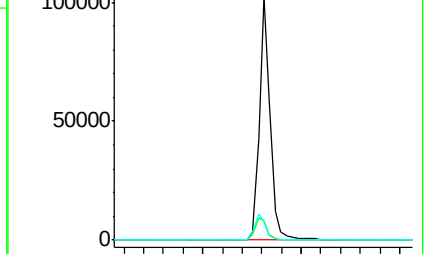
80 7.8 3.4 5.2#



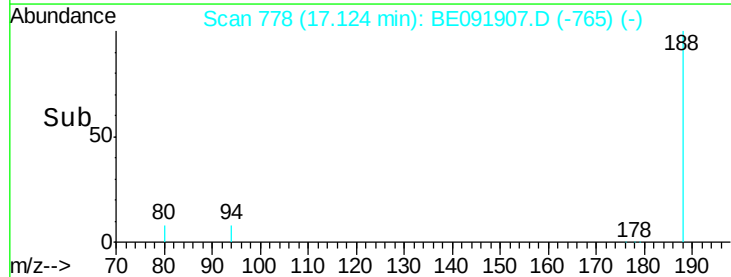
Abundance Ion 188.00 (187.70 to 188.70): E

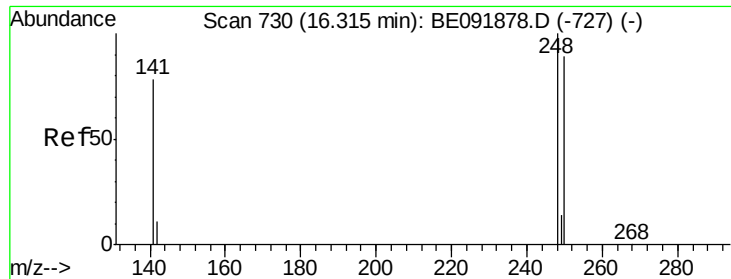
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->





#25

4-Bromophenyl-phenylether

Concen: 0.36 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

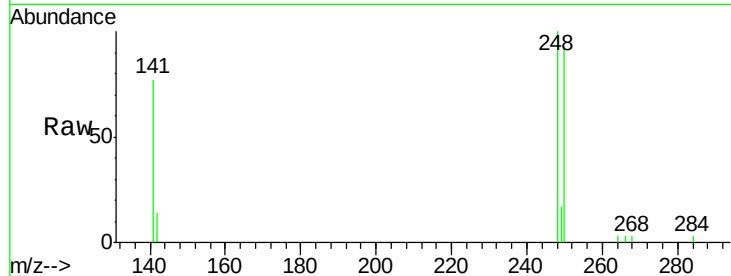
Tgt Ion:248 Resp: 2355

Ion Ratio Lower Upper

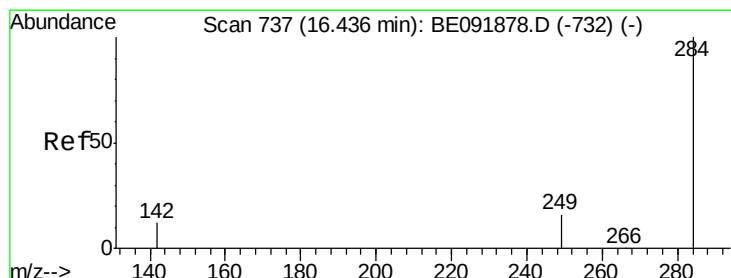
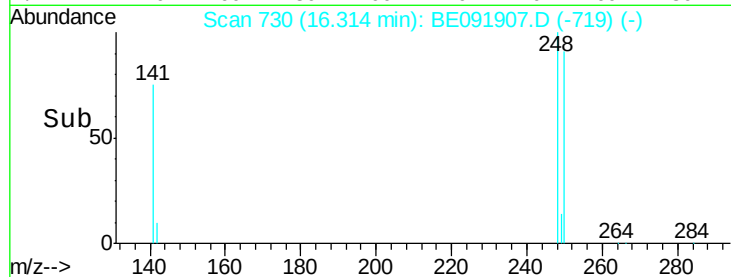
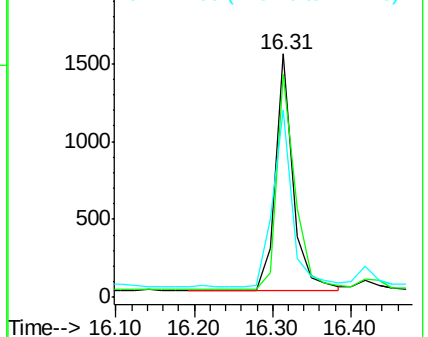
248 100

250 97.2 75.7 113.5

141 83.1 64.6 97.0



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: 0.39 ng

RT: 16.44 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

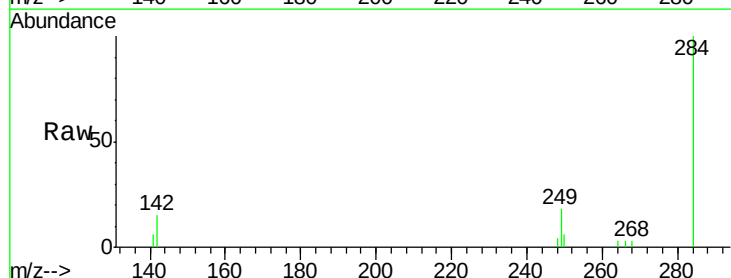
Tgt Ion:284 Resp: 2594

Ion Ratio Lower Upper

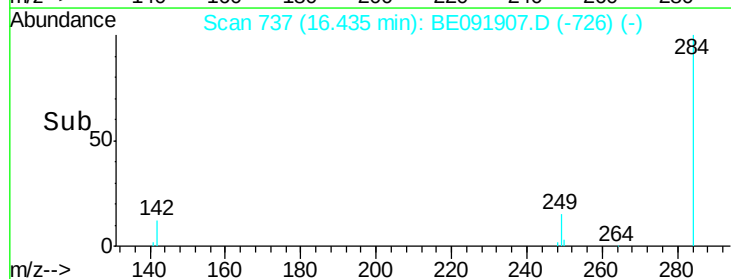
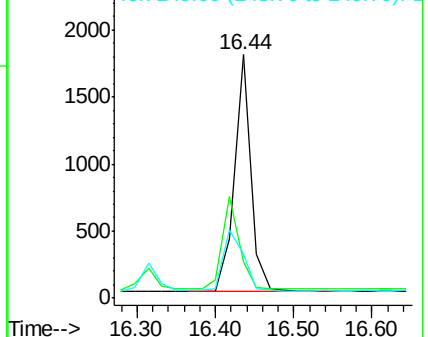
284 100

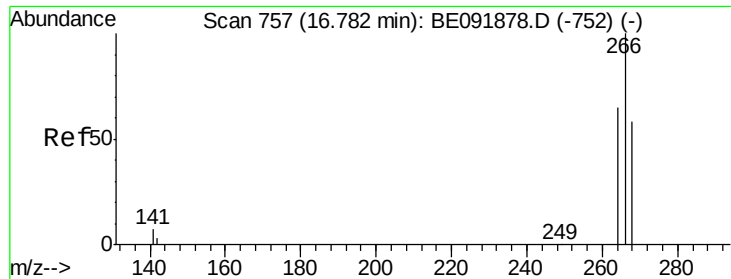
142 39.9 31.4 47.2

249 31.0 25.3 37.9



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: 0.39 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

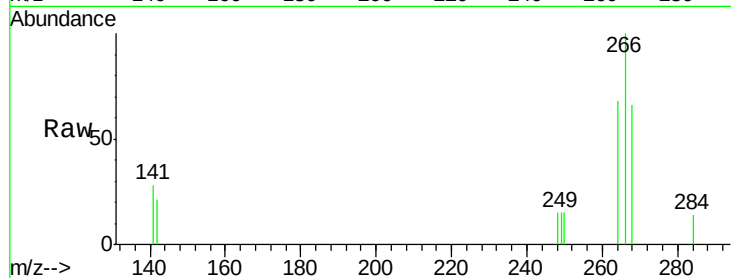
Tgt Ion:266 Resp: 757

Ion Ratio Lower Upper

266 100

268 66.5 60.5 90.7

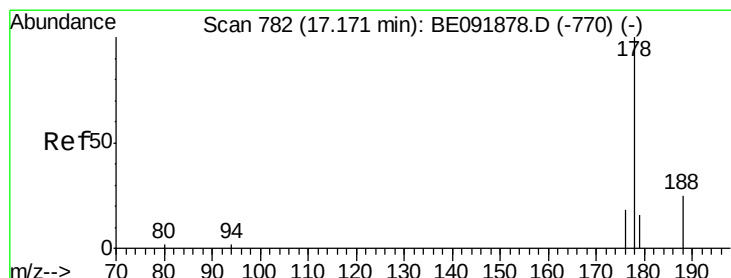
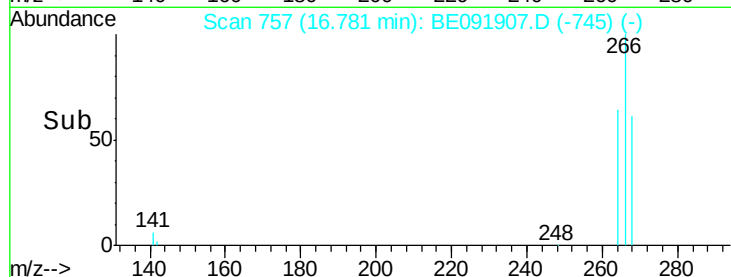
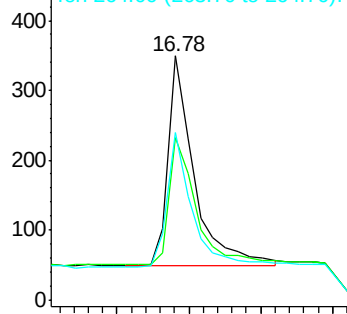
264 68.5 51.0 76.4



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: 0.38 ng

RT: 17.16 min Scan# 781

Delta R.T. -0.01 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

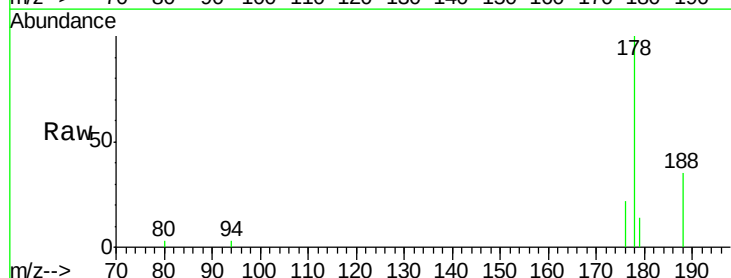
Tgt Ion:178 Resp: 16000

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

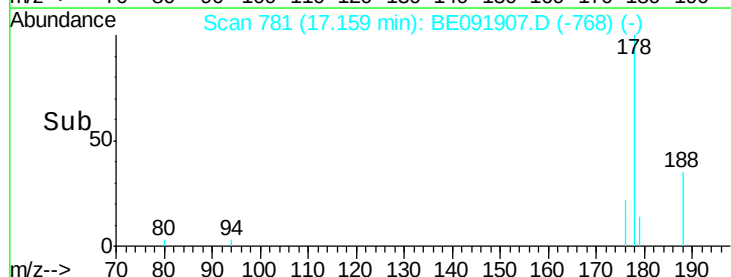
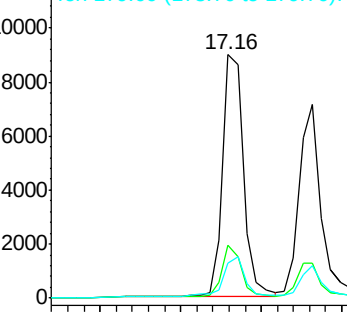
179 16.3 12.9 19.3

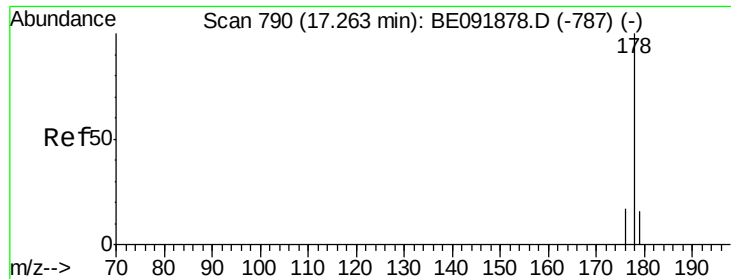


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.36 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

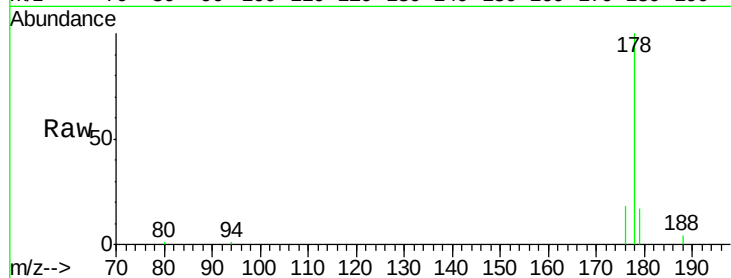
Tgt Ion:178 Resp: 13600

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

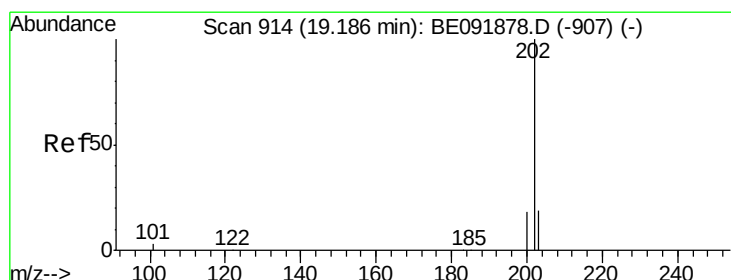
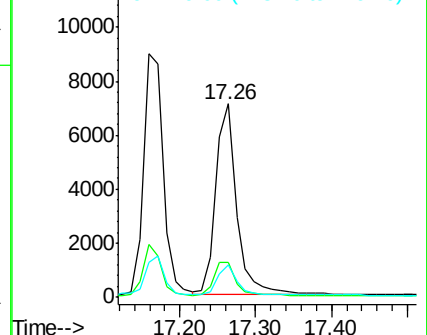
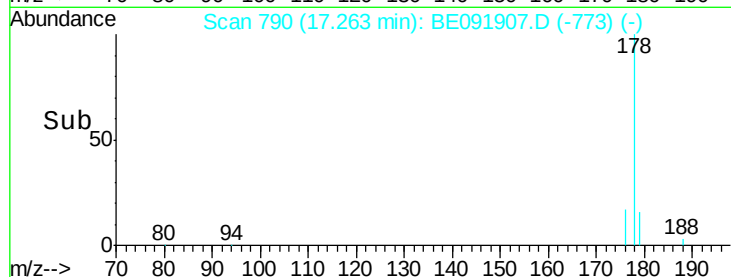
179 15.0 12.1 18.1



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



#30

Fluoranthene

Concen: 0.36 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

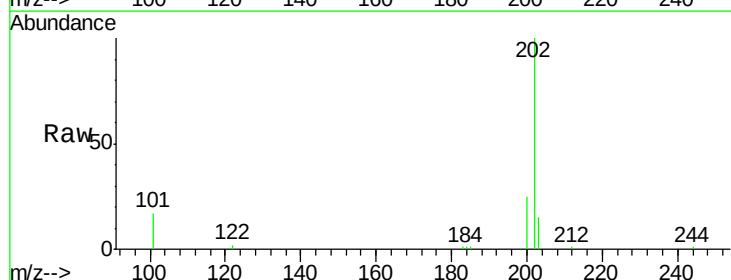
Tgt Ion:202 Resp: 16534

Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.0

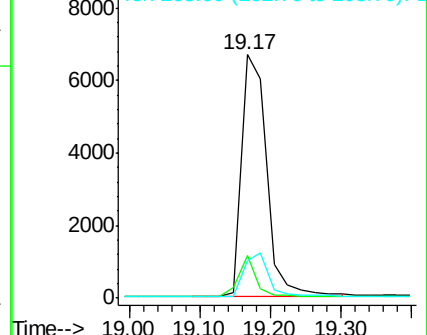
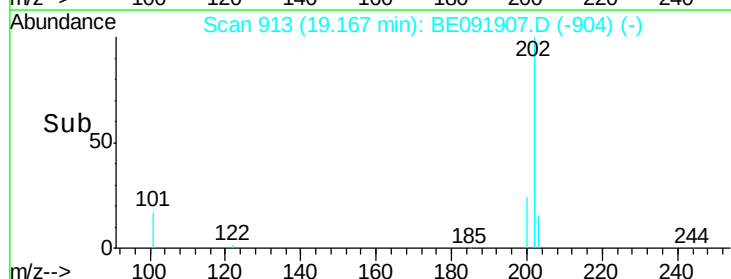
203 17.4 14.3 21.5

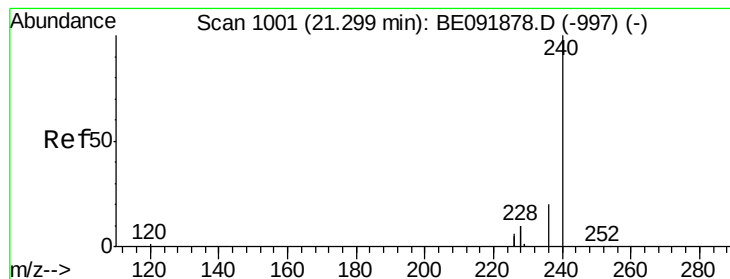


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.30 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

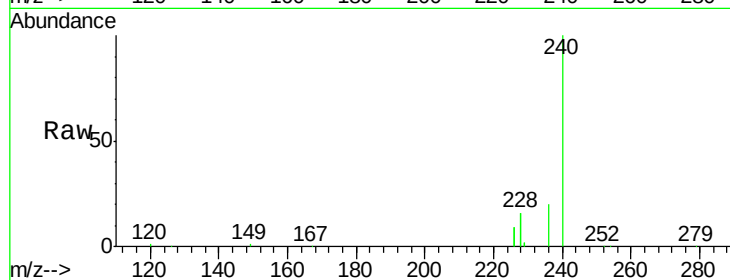
Tgt Ion:240 Resp: 135124

Ion Ratio Lower Upper

240 100

120 1.1 1.2 1.8#

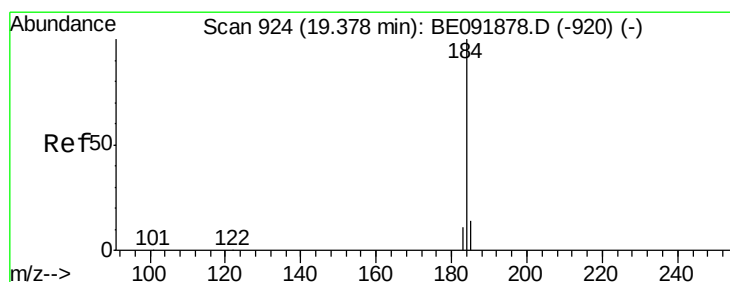
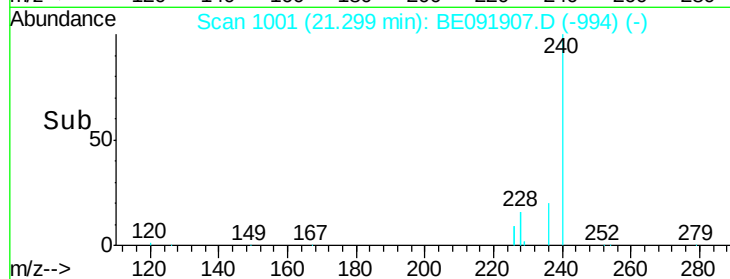
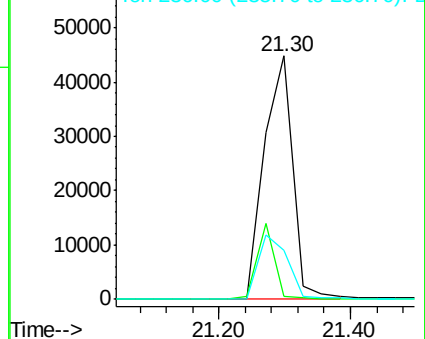
236 20.1 19.8 29.8



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: 0.40 ng

RT: 19.38 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

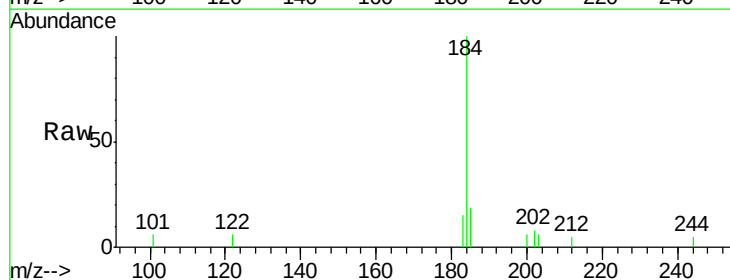
Tgt Ion:184 Resp: 3311

Ion Ratio Lower Upper

184 100

185 18.5 11.4 17.2#

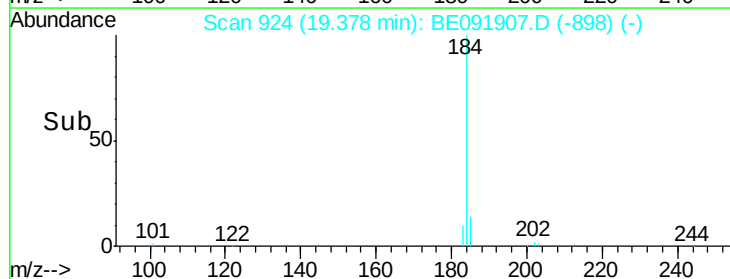
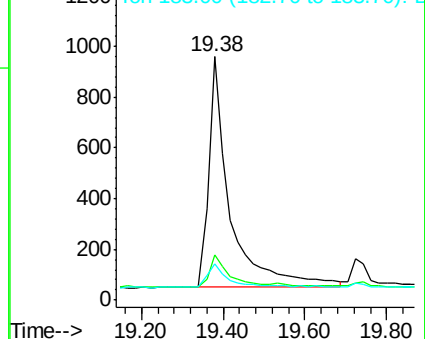
183 14.8 11.8 17.6

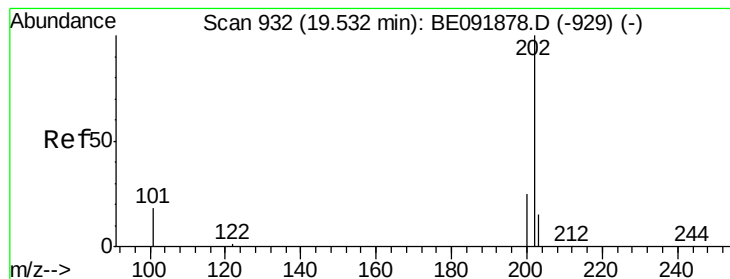


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.52 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

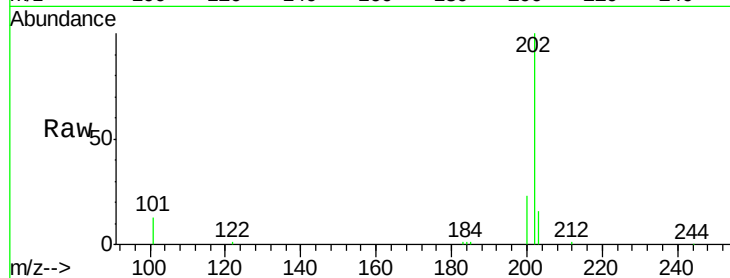
Tgt Ion:202 Resp: 17690

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

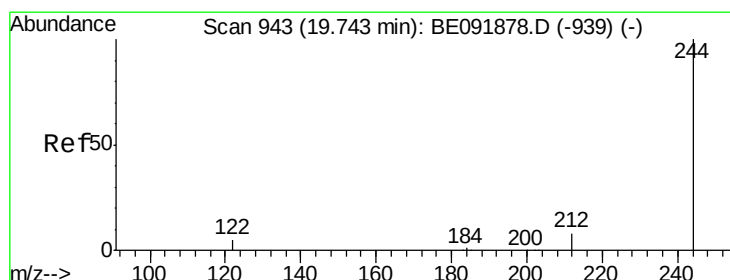
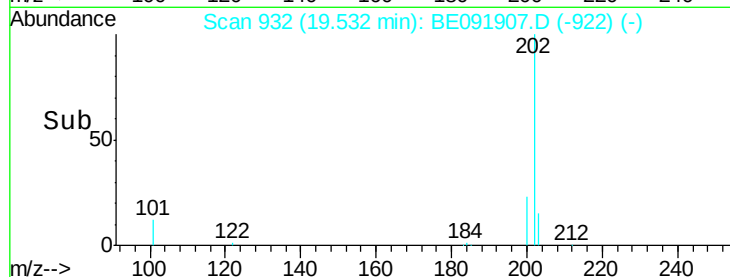
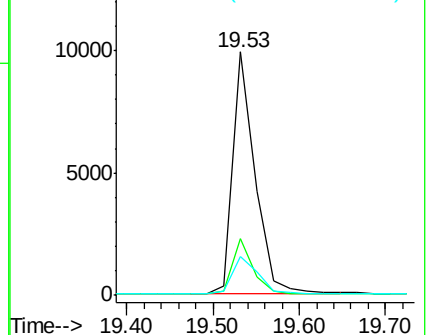
203 17.8 14.1 21.1



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: 0.49 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

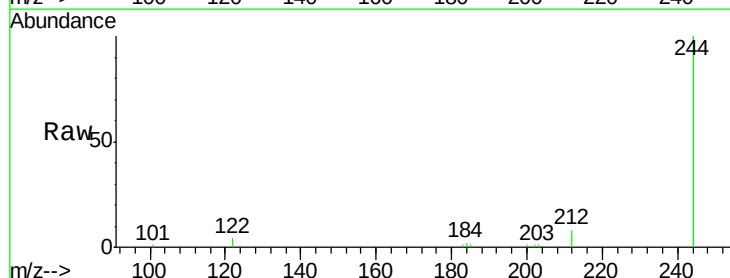
Tgt Ion:244 Resp: 13438

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

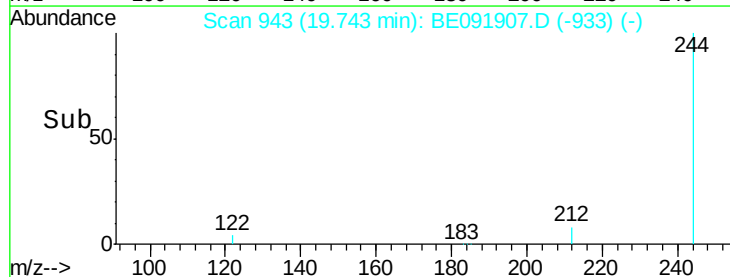
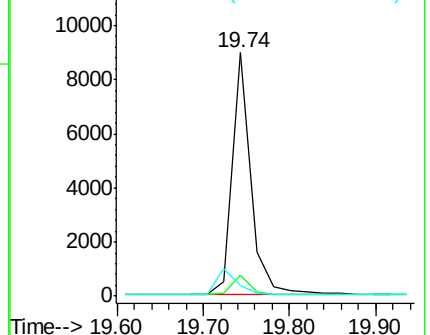
122 4.4 2.9 4.3#

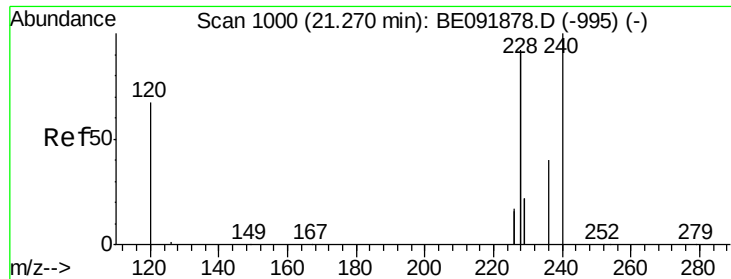


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

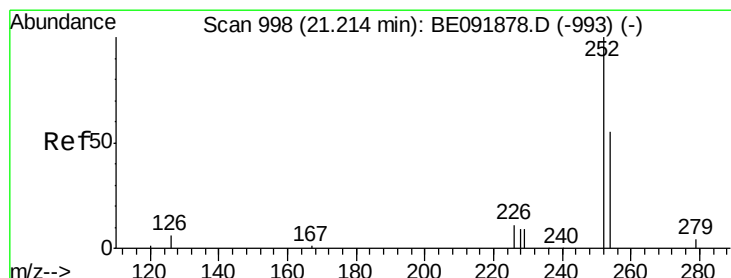
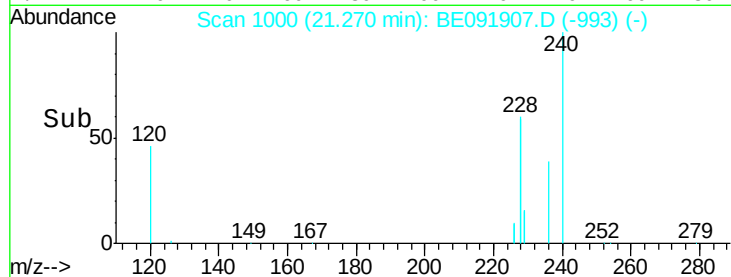
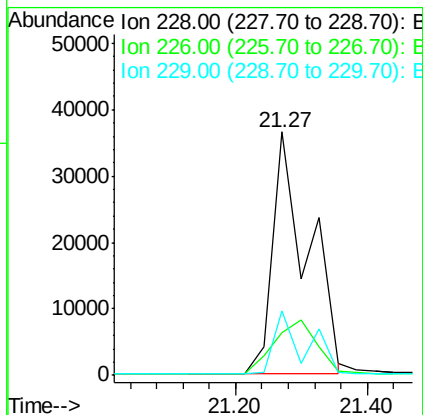
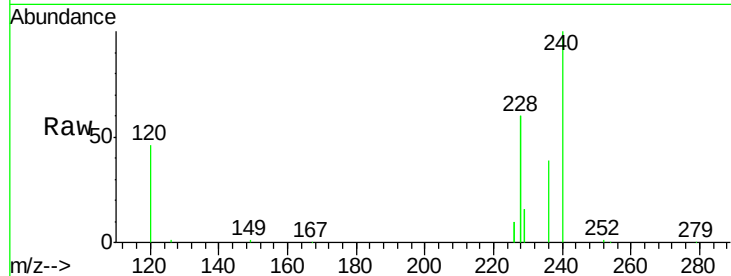




#35
Benzo(a)anthracene
Concen: 0.70 ng
RT: 21.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

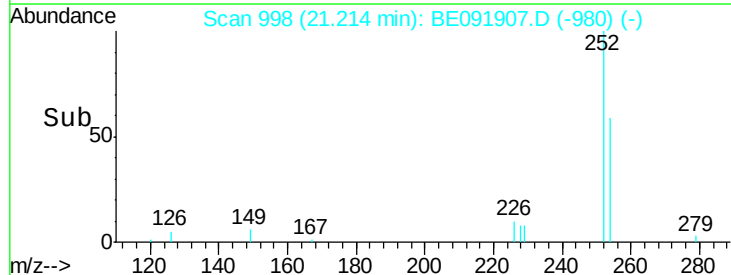
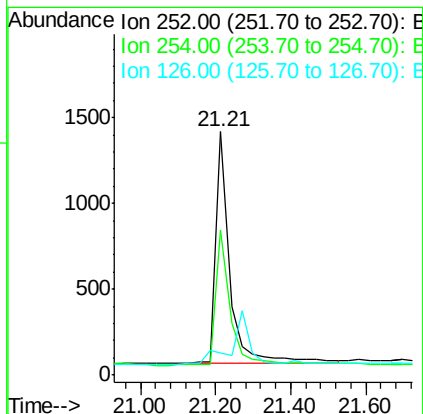
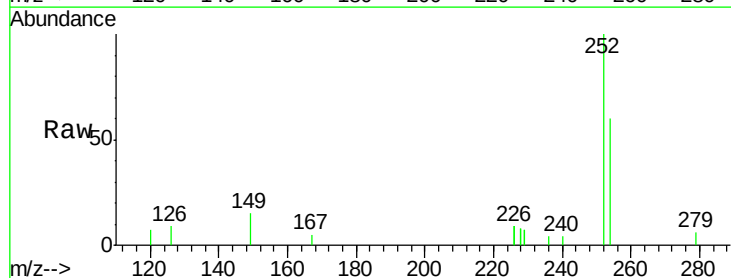
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

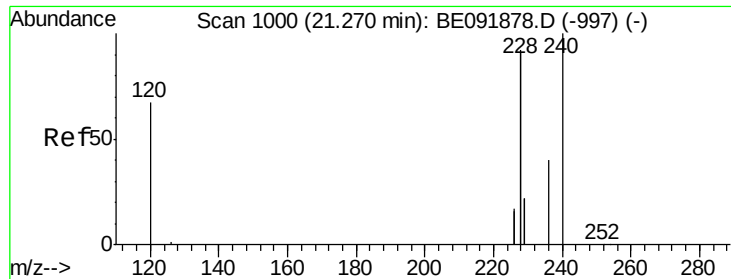
Tgt Ion:228 Resp: 136452
Ion Ratio Lower Upper
228 100
226 17.4 21.0 31.4#
229 26.3 15.8 23.8#



#36
3,3'-Dichlorobenzidine
Concen: 0.41 ng
RT: 21.21 min Scan# 998
Delta R.T. 0.00 min
Lab File: BE091907.D
Acq: 8 Jun 2016 18:48

Tgt Ion:252 Resp: 3437
Ion Ratio Lower Upper
252 100
254 59.8 61.5 92.3#
126 8.9 2.5 3.7#

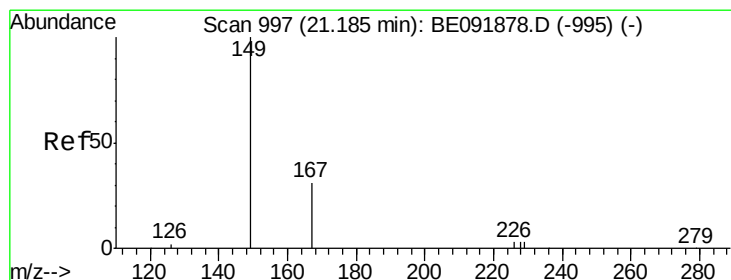
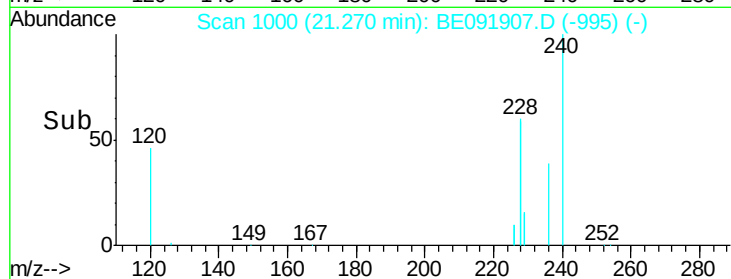
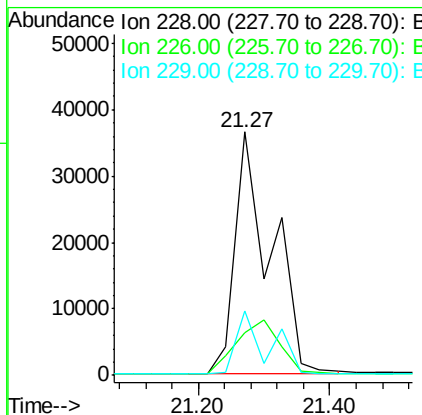
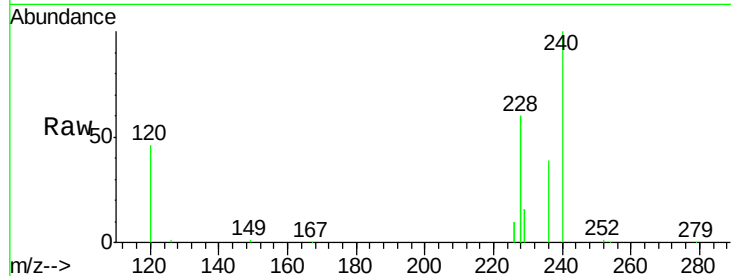




#37
Chrysene
 Concen: 1.00 ng
 RT: 21.27 min Scan# 1000
 Delta R.T. -0.06 min
 Lab File: BE091907.D
 Acq: 8 Jun 2016 18:48

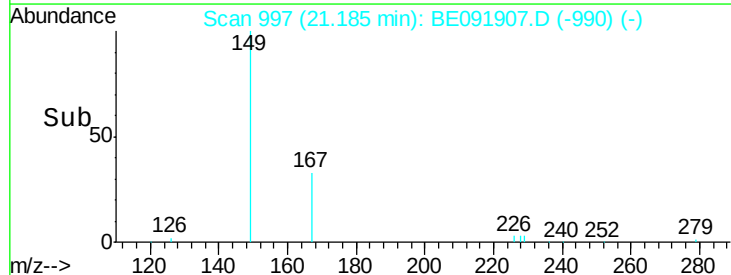
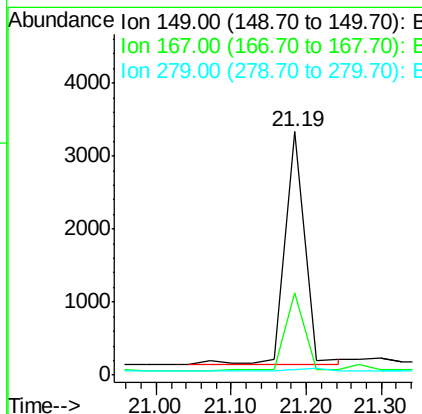
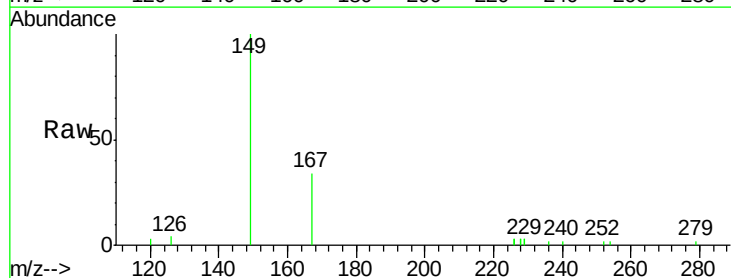
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

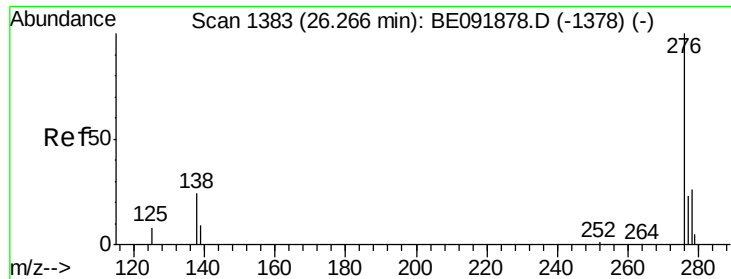
Tgt Ion: 228 Resp: 138318
 Ion Ratio Lower Upper
 228 100
 226 17.4 27.0 40.6#
 229 26.3 13.8 20.8#



#38
Bis(2-ethylhexyl)phthalate
 Concen: 0.35 ng
 RT: 21.19 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: BE091907.D
 Acq: 8 Jun 2016 18:48

Tgt Ion: 149 Resp: 5812
 Ion Ratio Lower Upper
 149 100
 167 32.5 0.0 0.0#
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

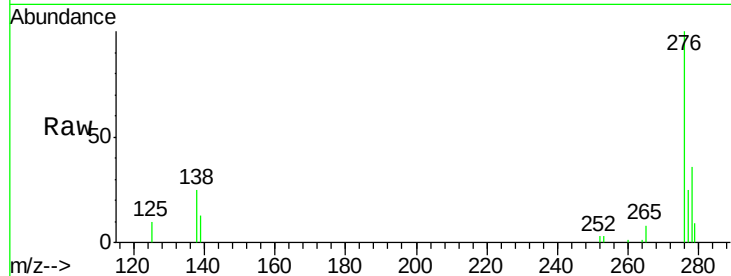
Tgt Ion:276 Resp: 19430

Ion Ratio Lower Upper

276 100

138 25.6 19.7 29.5

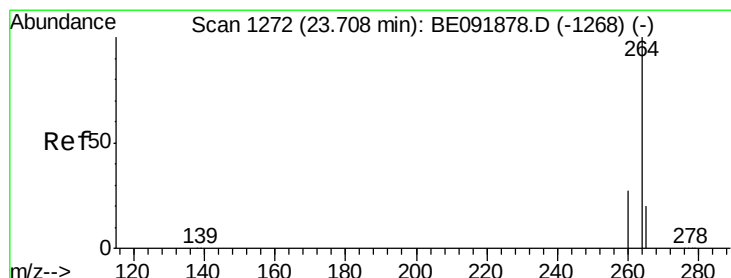
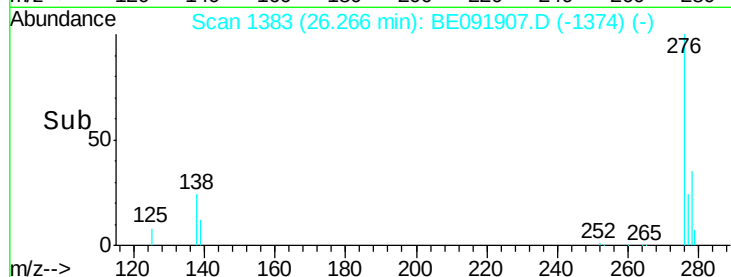
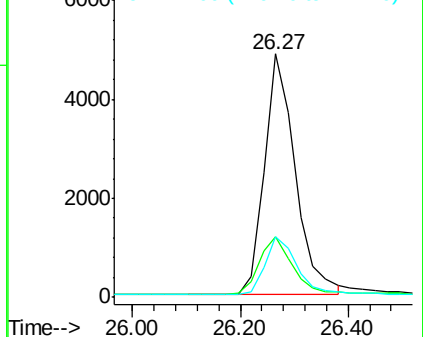
277 24.5 20.1 30.1



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: 23.71 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

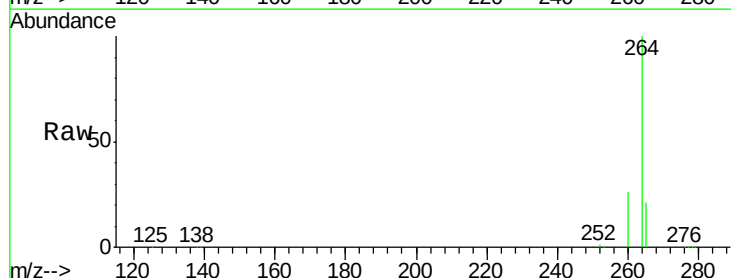
Tgt Ion:264 Resp: 194589

Ion Ratio Lower Upper

264 100

260 26.1 20.3 30.5

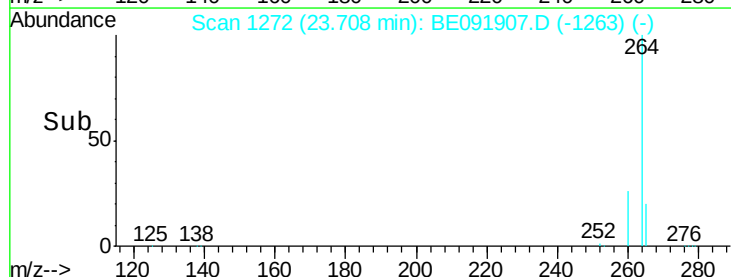
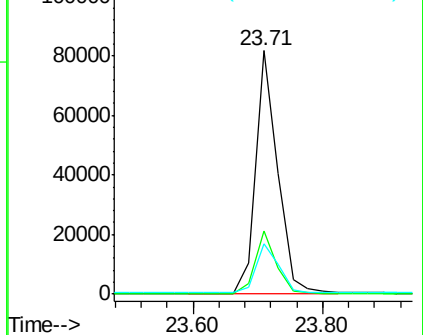
265 20.7 17.6 26.4

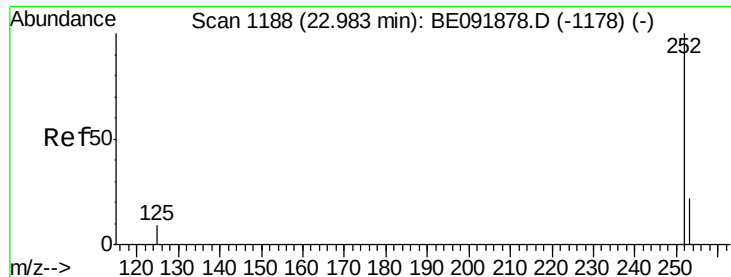


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.39 ng

RT: 22.98 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

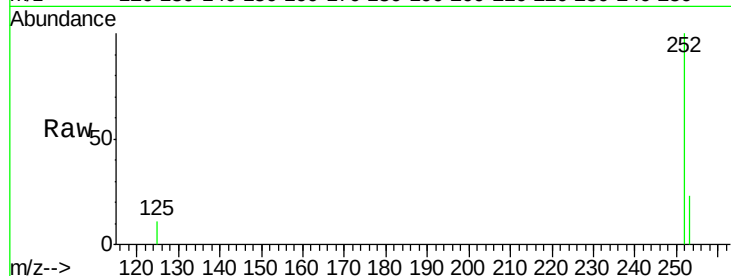
Tgt Ion: 252 Resp: 18524

Ion Ratio Lower Upper

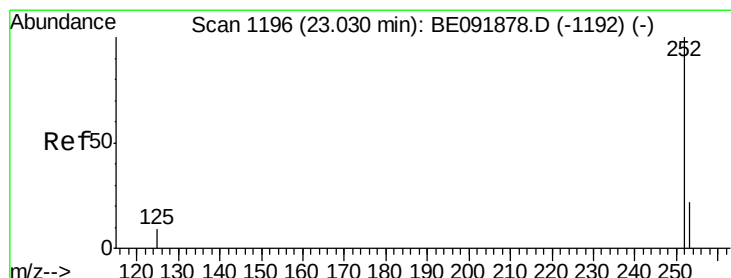
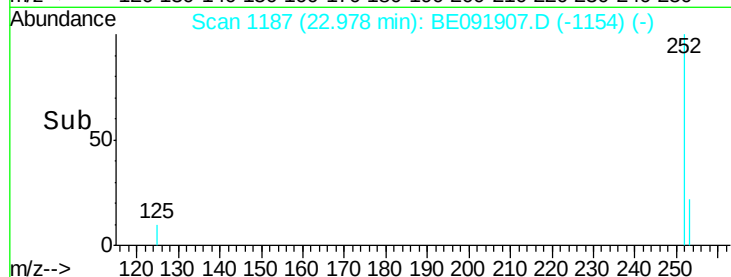
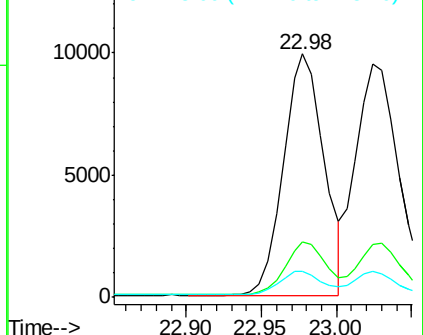
252 100

253 22.7 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: 0.40 ng

RT: 23.02 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

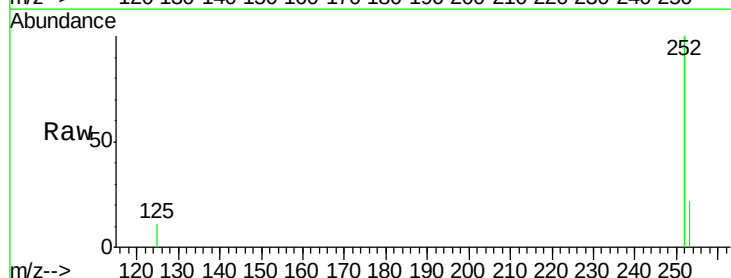
Tgt Ion: 252 Resp: 19804

Ion Ratio Lower Upper

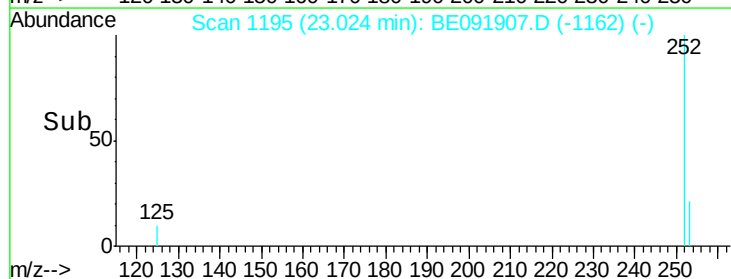
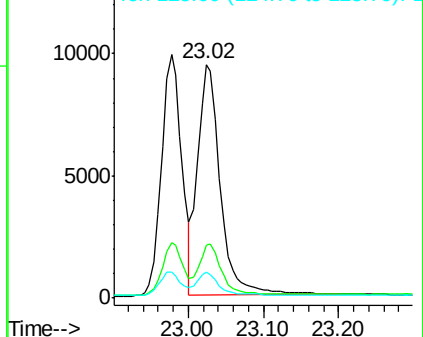
252 100

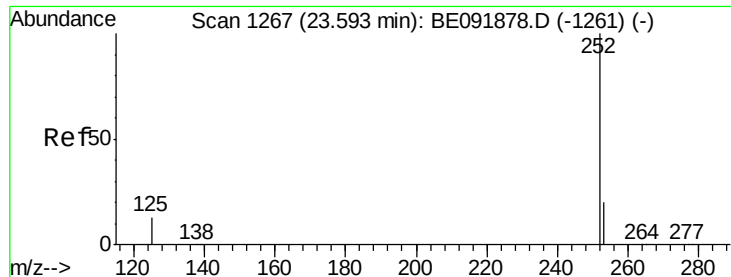
253 22.3 19.4 29.2

125 11.1 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: 0.39 ng

RT: 23.59 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

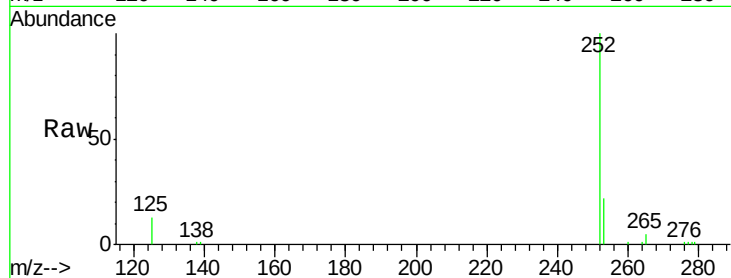
Tgt Ion: 252 Resp: 17482

Ion Ratio Lower Upper

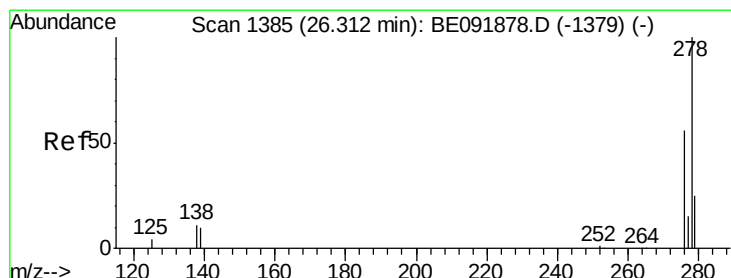
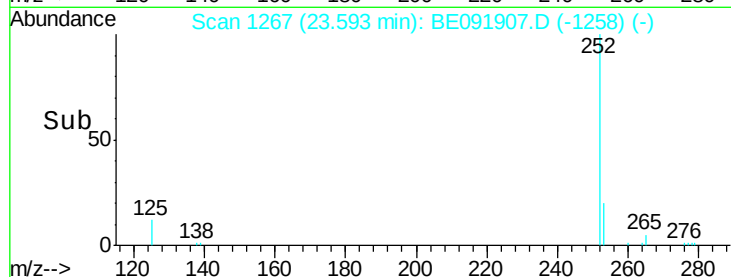
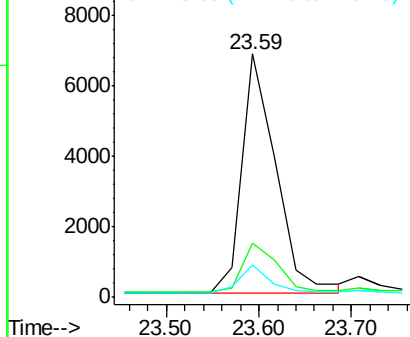
252 100

253 22.1 18.9 28.3

125 13.4 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: 0.39 ng

RT: 26.29 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE091907.D

Acq: 8 Jun 2016 18:48

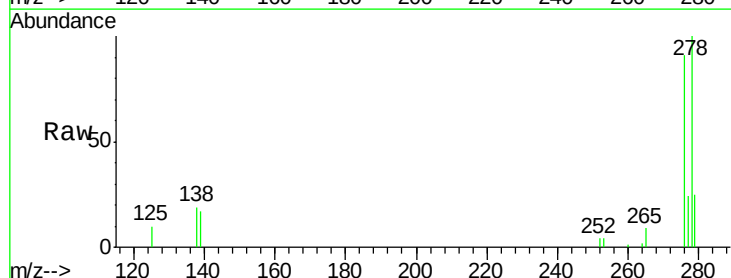
Tgt Ion: 278 Resp: 16013

Ion Ratio Lower Upper

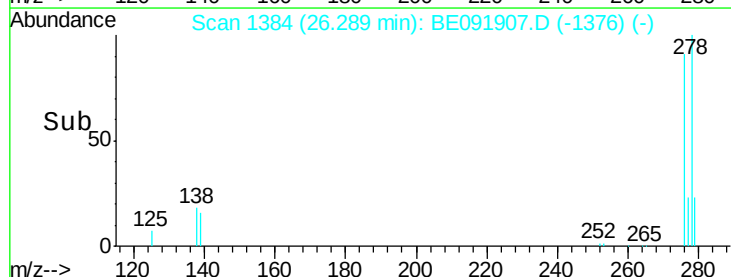
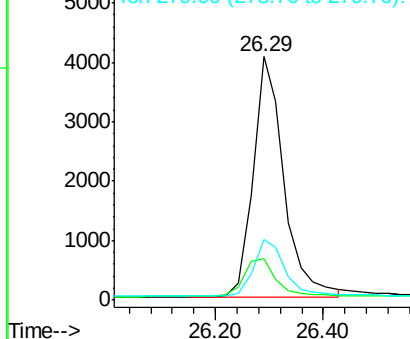
278 100

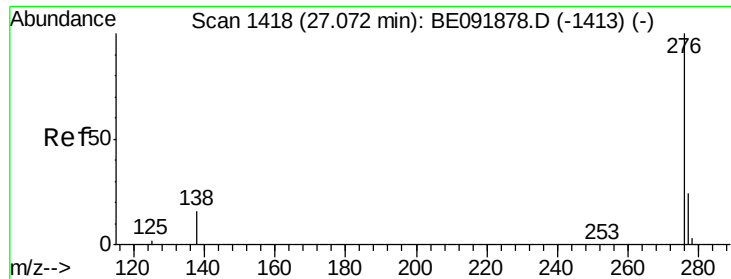
139 17.1 12.6 18.8

279 24.7 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: 0.39 ng

RT: 27.05 min Scan# 1417

Delta R.T. -0.02 min

Lab File: BE091907.D

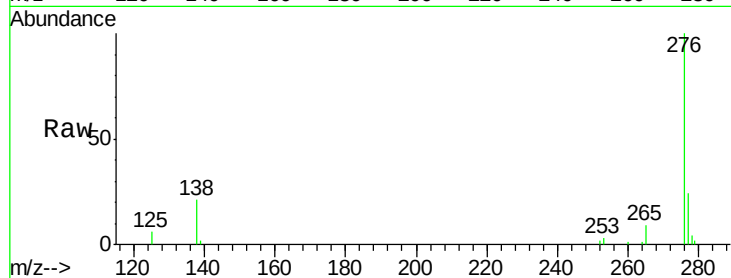
Acq: 8 Jun 2016 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



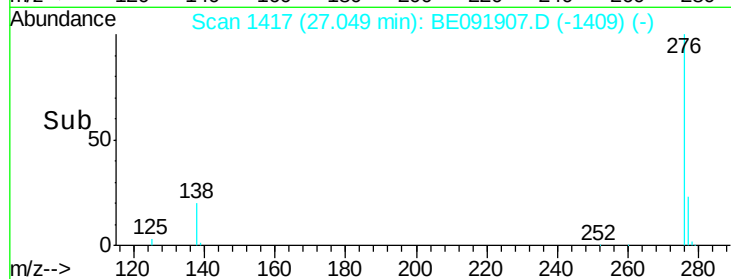
Tgt Ion: 276 Resp: 17106

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 21.5 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

