

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061616\
 Data File : BE091940.D
 Acq On : 16 Jun 2016 14:27
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jun 16 17:50:26 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	23999	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	107663	5.00	ng	0.03
15) Acenaphthene-d10	14.86	164	83140	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	175524	5.00	ng	0.00
31) Chrysene-d12	21.76	240	287960	5.00	ng	0.00
40) Perylene-d12	24.16	264	211100	5.00	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1900	0.40	ng	0.00
5) Phenol-d6	7.37	99	2424	0.45	ng	0.02
9) Nitrobenzene-d5	9.38	82	2877	0.39	ng	0.02
16) 2,4,6-Tribromophenol	16.35	330	642	0.37	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	7903	0.37	ng	0.00
34) Terphenyl-d14	20.22	244	12589	0.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1328	0.39	ng	99
3) n-Nitrosodimethylamine	3.84	42	1322	0.34	ng	86
6) bis(2-Chloroethyl)ether	7.63	93	2414	0.35	ng	95
7) n-Nitroso-di-n-propylamine	9.02	70	2070	0.43	ng	# 100
10) Nitrobenzene	9.42	77	2747	0.37	ng	# 98
11) bis(2-Chloroethoxy)methane	10.42	93	3846	0.41	ng	# 1
12) Naphthalene	11.04	128	9220	0.39	ng	# 93
13) Hexachlorobutadiene	11.34	225	1451	0.38	ng	98
14) 2-Methylnaphthalene	12.69	142	6198	0.39	ng	91
18) Acenaphthylene	14.56	152	30051	0.36	ng	# 60
19) 2,6-Dinitrotoluene	14.44	165	5156	0.51	ng	# 84
20) Acenaphthene	14.92	154	8311	0.36	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	7069	0.54	ng	# 1
22) Fluorene	15.91	166	8386	0.36	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	4225	0.37	ng	95
25) 4-Bromophenyl-phenylether	16.80	248	2529	0.37	ng	95
26) Hexachlorobenzene	16.92	284	2607	0.37	ng	97
27) Pentachlorophenol	17.26	266	586	0.38	ng	96
28) Phenanthrene	17.64	178	17075	0.39	ng	100
29) Anthracene	17.73	178	14649	0.38	ng	100
30) Fluoranthene	19.65	202	68530	0.36	ng	# 86
32) Benzidine	19.83	184	3124	0.37	ng	# 93
33) Pyrene	20.02	202	70600	0.36	ng	# 80
35) Benzo(a)anthracene	21.79	228	50085	1.11	ng	# 92
36) 3,3'-Dichlorobenzidine	21.70	252	2892	0.39	ng	# 99
37) Chrysene	21.79	228	50598	0.77	ng	97
38) Bis(2-ethylhexyl)phthalate	21.64	149	15859	0.57	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	81785	0.36	ng	98
41) Benzo(b)fluoranthene	23.42	252	19503	0.36	ng	99
42) Benzo(k)fluoranthene	23.47	252	20117	0.41	ng	96
43) Benzo(a)pyrene	24.06	252	18292	0.39	ng	98
44) Dibenzo(a,h)anthracene	26.70	278	16920	0.37	ng	97
45) Benzo(g,h,i)perylene	27.45	276	70083	0.37	ng	98

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QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration

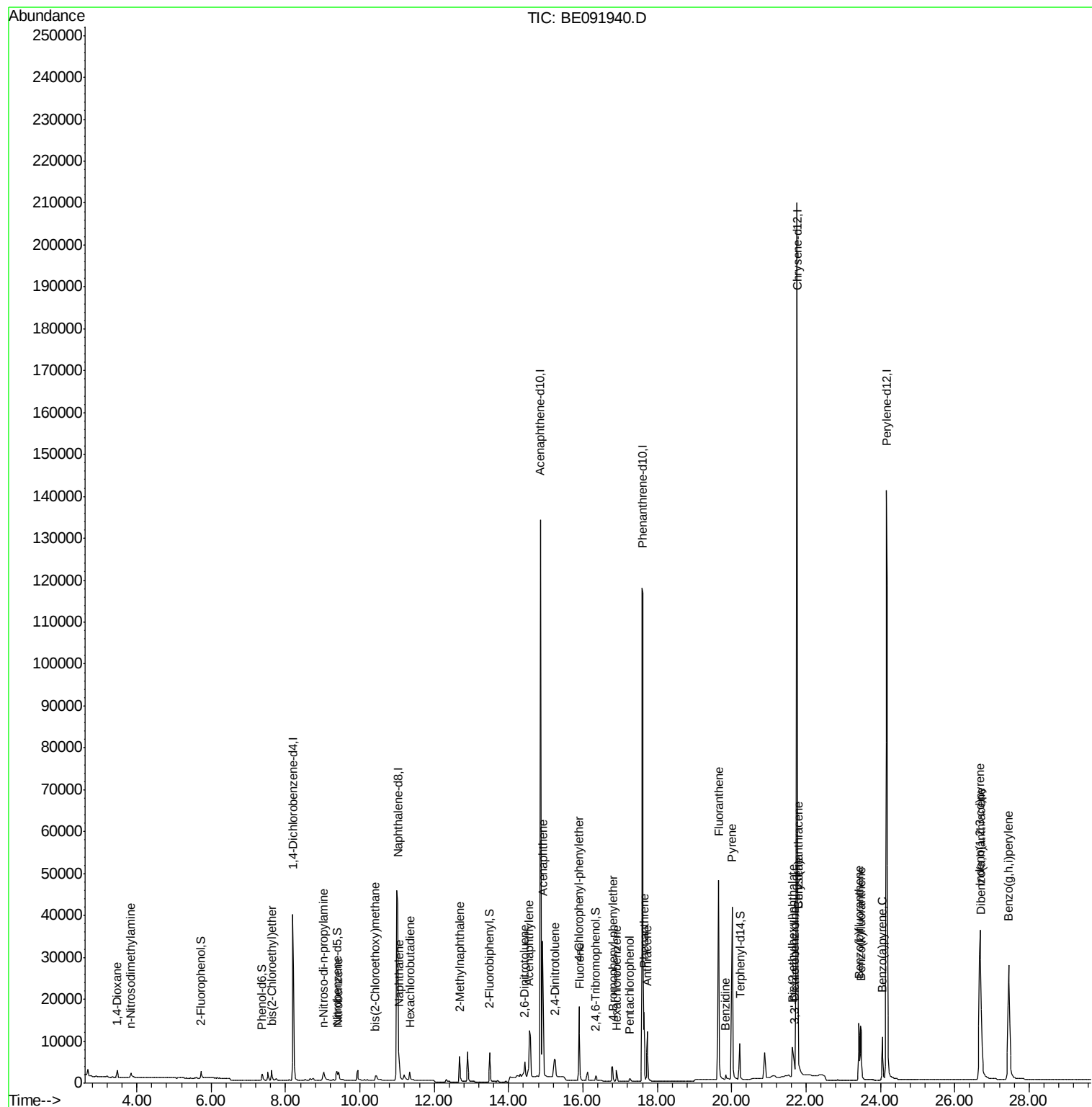
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

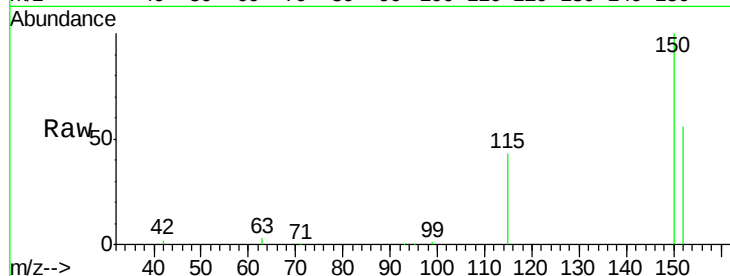
Tgt Ion:152 Resp: 23999

Ion Ratio Lower Upper

152 100

150 177.8 123.9 185.9

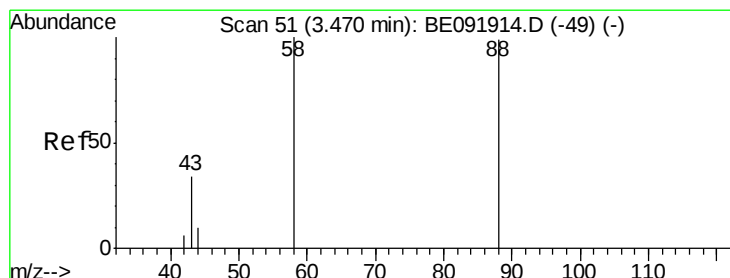
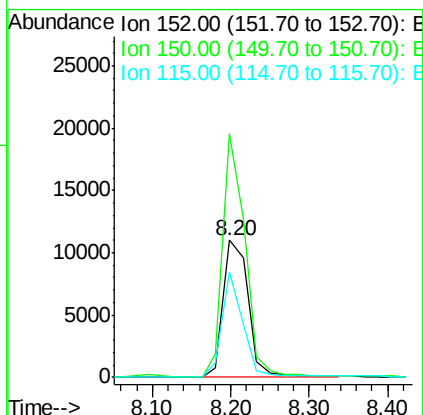
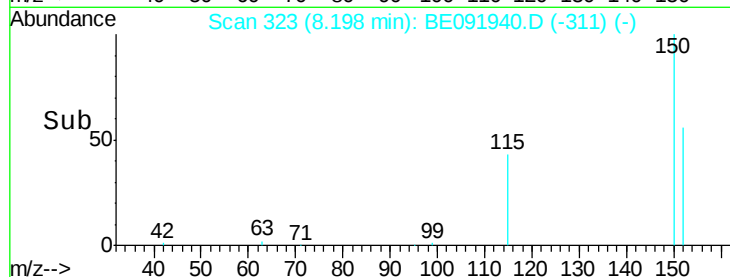
115 77.3 48.3 72.5#



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: 0.39 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

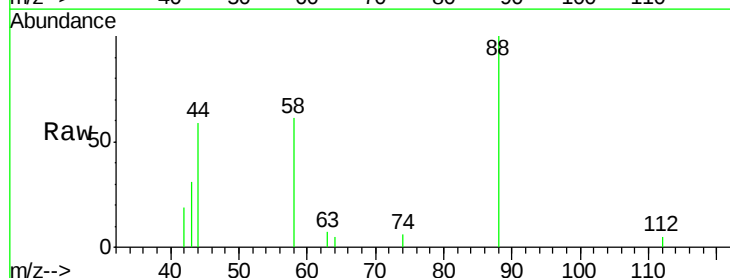
Tgt Ion: 88 Resp: 1328

Ion Ratio Lower Upper

88 100

58 78.0 63.0 94.4

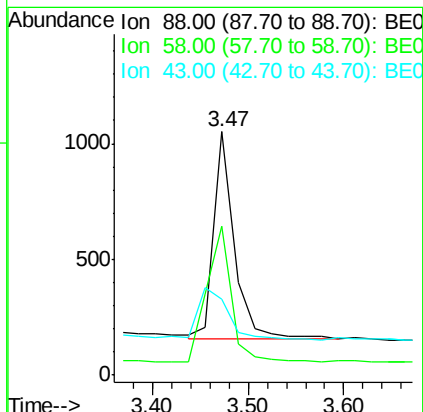
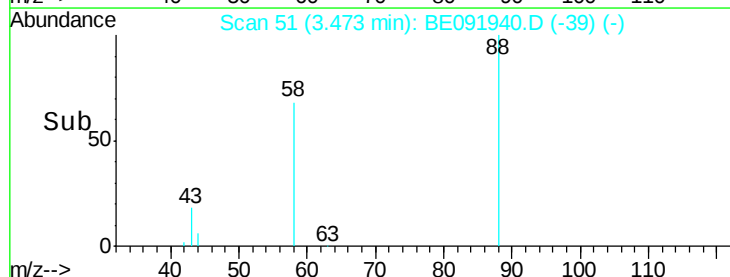
43 37.0 29.1 43.7



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: 0.34 ng

RT: 3.84 min Scan# 72

Delta R.T. 0.04 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

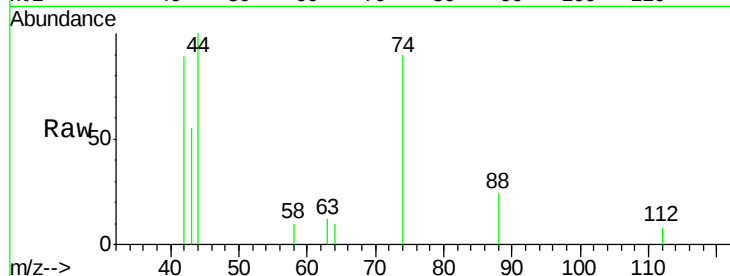
Tgt Ion: 42 Resp: 1322

Ion Ratio Lower Upper

42 100

74 100.0 93.4 140.0

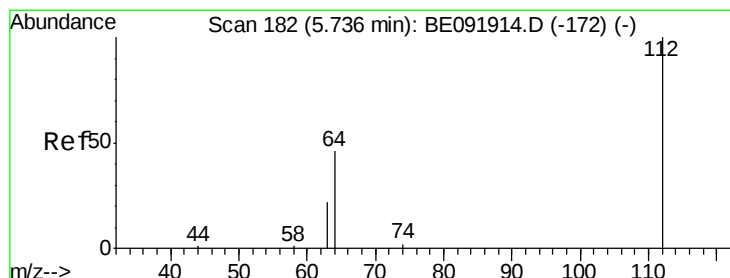
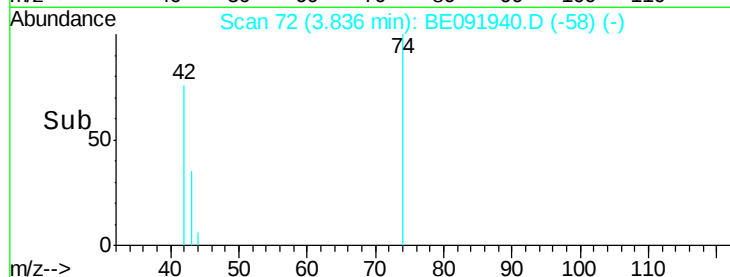
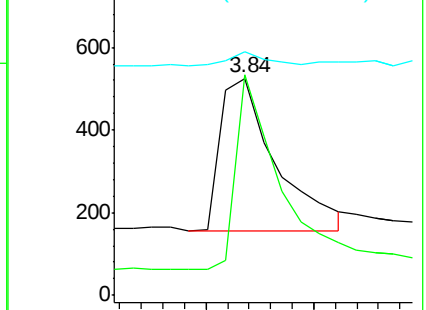
44 6.3 5.0 7.6



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: 0.40 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

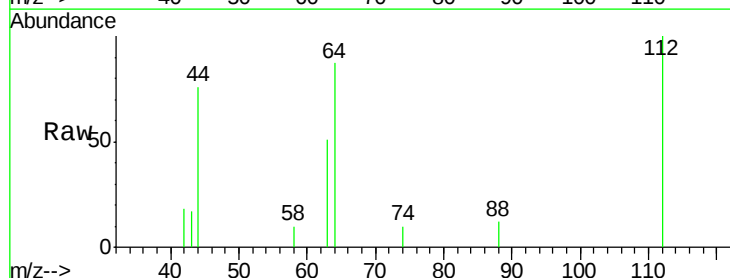
Tgt Ion: 112 Resp: 1900

Ion Ratio Lower Upper

112 100

64 67.9 53.7 80.5

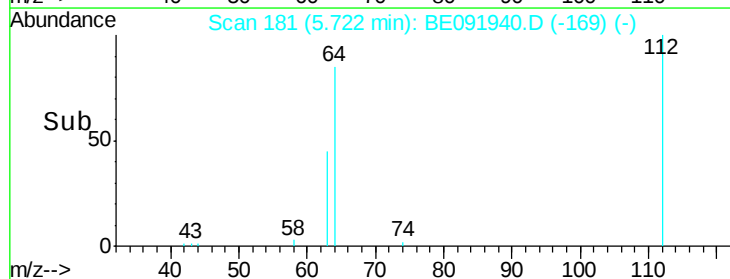
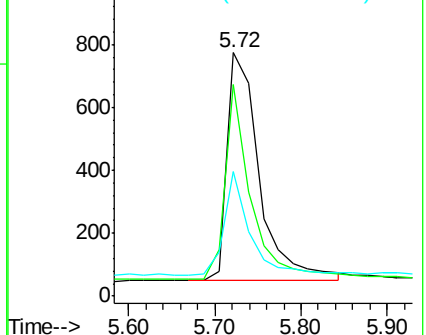
63 35.9 29.5 44.3

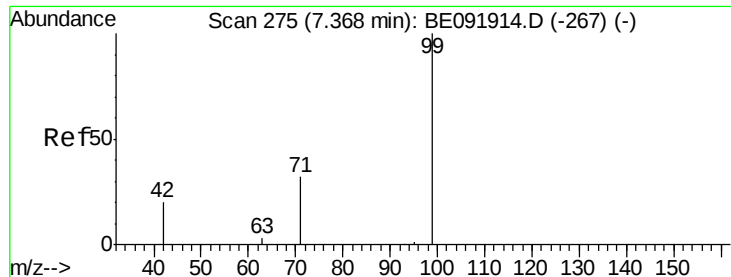


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.45 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

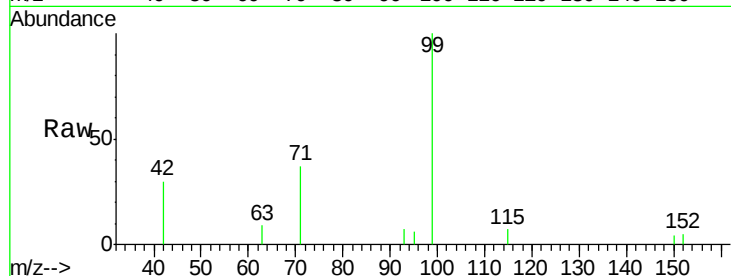
Tgt Ion: 99 Resp: 2424

Ion Ratio Lower Upper

99 100

42 26.2 19.6 29.4

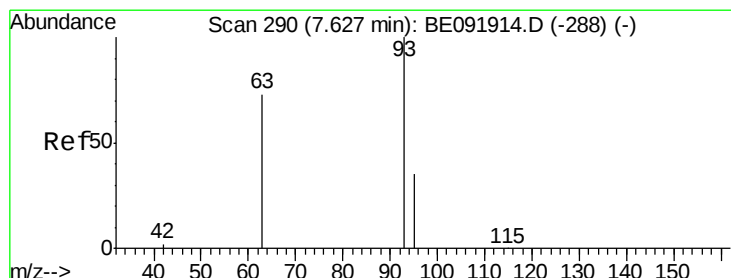
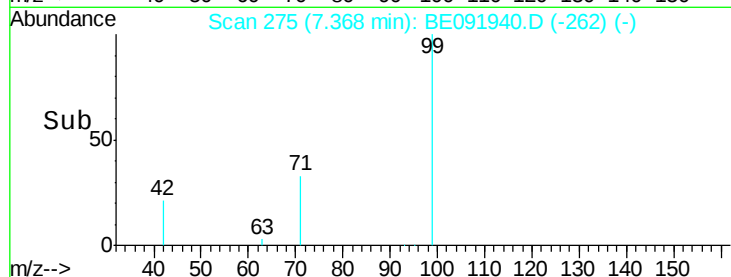
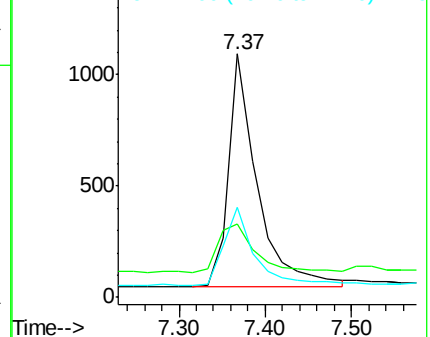
71 36.0 28.1 42.1



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: 0.35 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

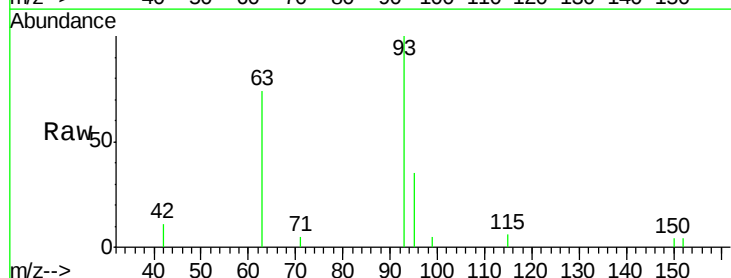
Tgt Ion: 93 Resp: 2414

Ion Ratio Lower Upper

93 100

63 87.8 66.2 99.4

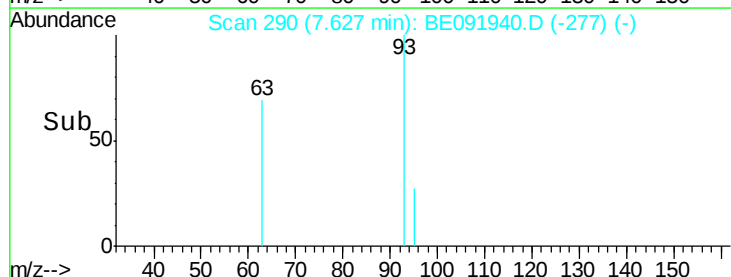
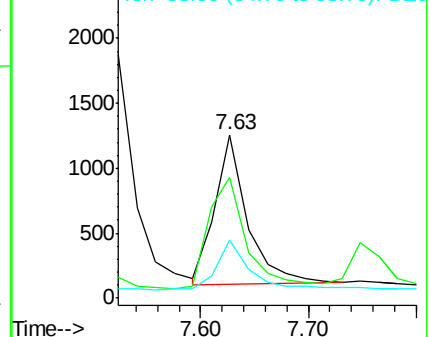
95 33.8 25.5 38.3

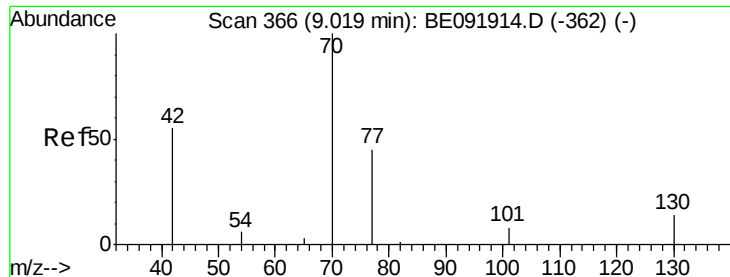


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.43 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 2070

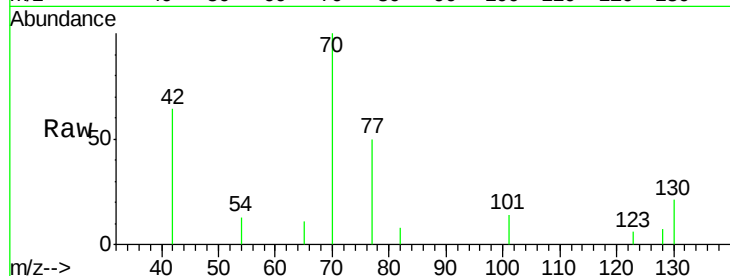
Ion Ratio Lower Upper

70 100

42 72.9 58.4 87.6

101 8.0 6.4 9.6

130 17.4 0.0 0.0#

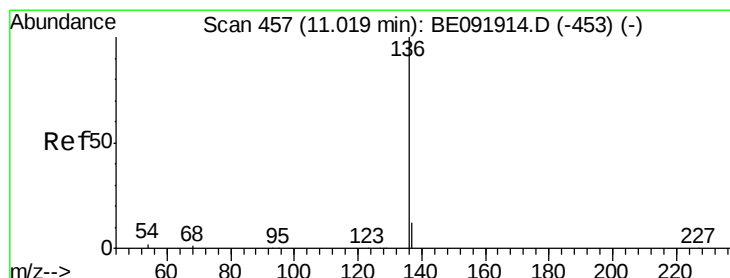
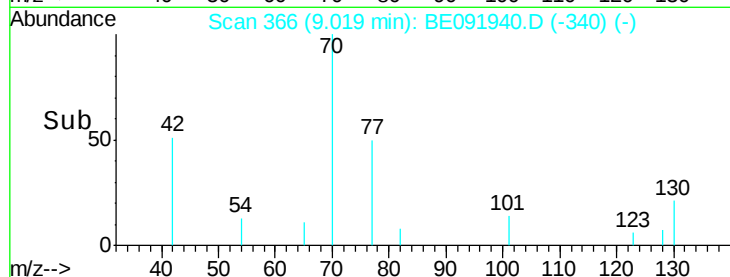
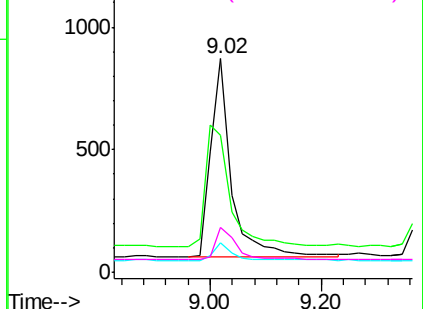


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.03 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Tgt Ion: 136 Resp: 107663

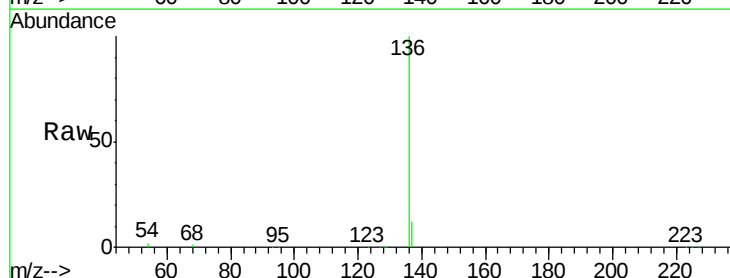
Ion Ratio Lower Upper

136 100

137 12.3 8.3 12.5

54 1.8 8.2 12.4#

68 1.5 5.9 8.9#

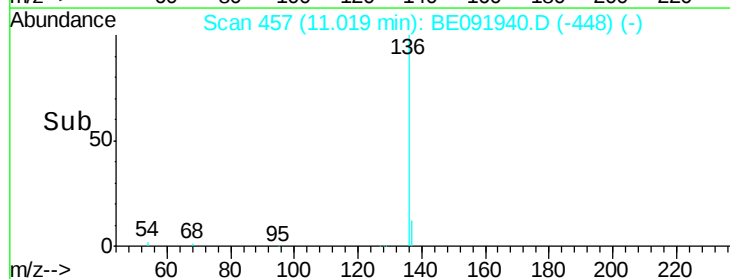
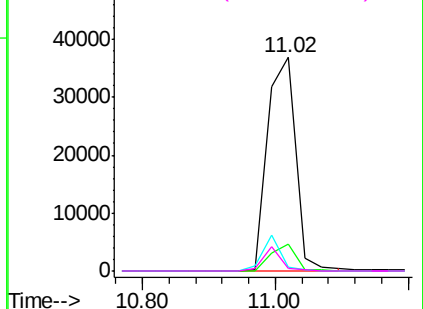


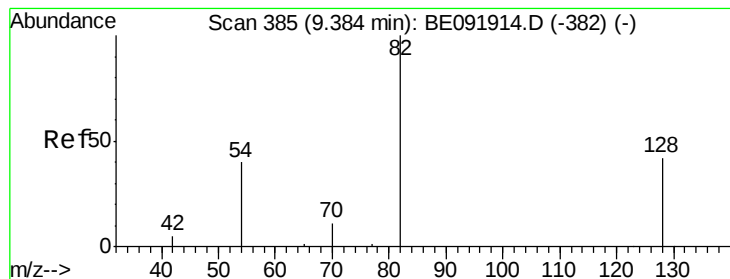
Abundance Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

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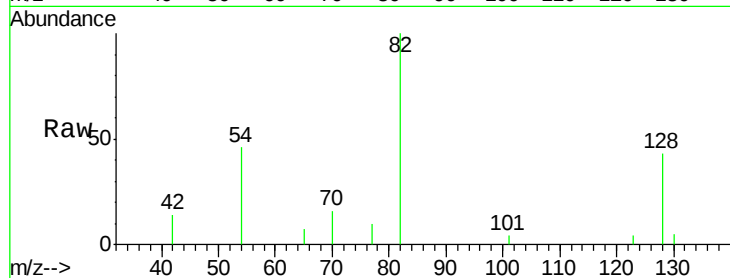
Tgt Ion: 82 Resp: 2877

Ion Ratio Lower Upper

82 100

128 42.6 39.5 59.3

54 46.4 30.3 45.5#

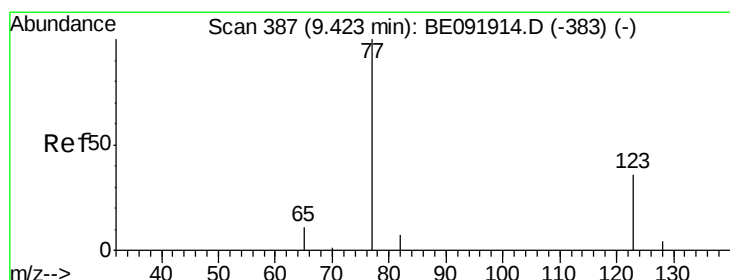
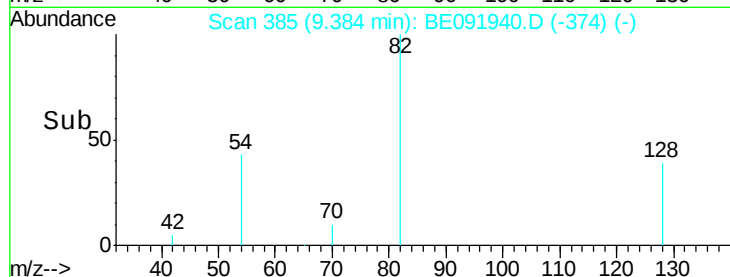


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#10

Nitrobenzene

Concen: 0.37 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

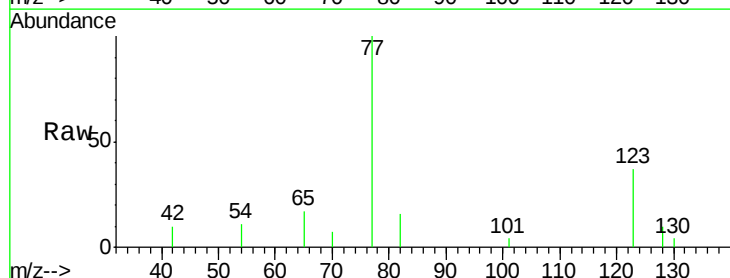
Tgt Ion: 77 Resp: 2747

Ion Ratio Lower Upper

77 100

123 37.6 0.0 0.0#

65 13.2 11.1 16.7

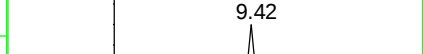
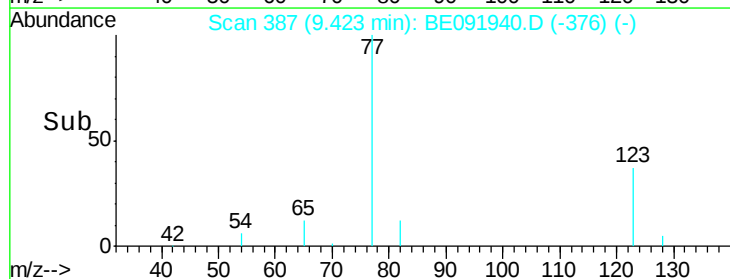


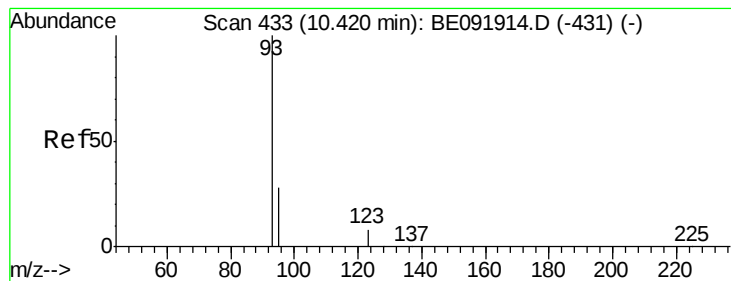
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->





#11

bis(2-Chloroethoxy)methane

Concen: 0.41 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

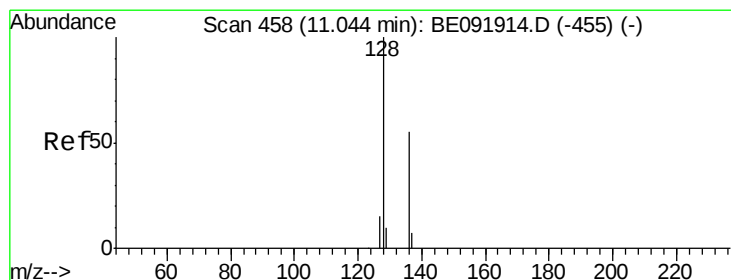
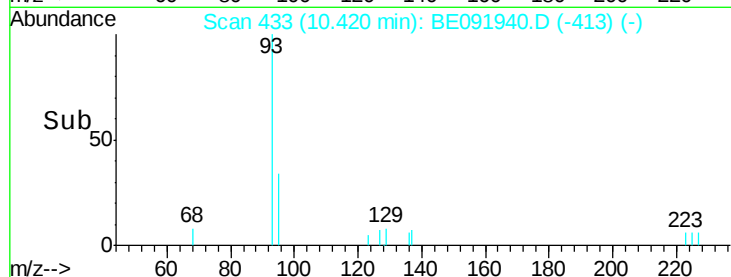
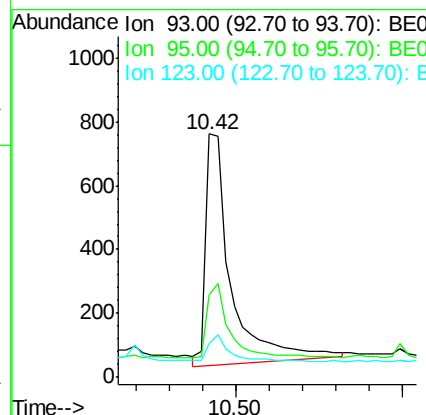
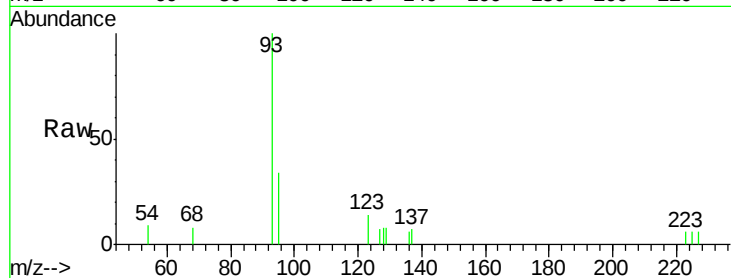
Tgt Ion: 93 Resp: 3846

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 0.39 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

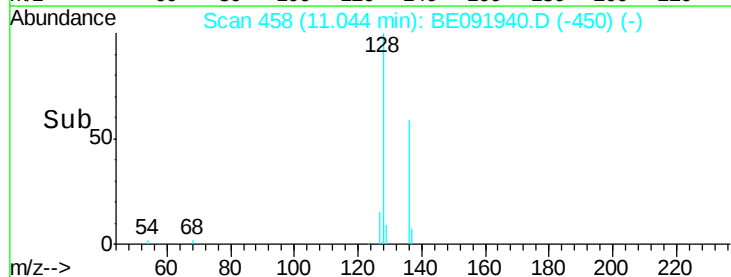
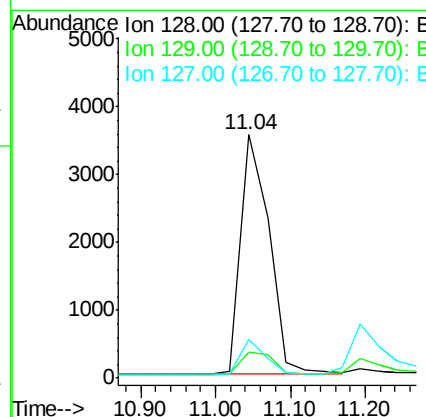
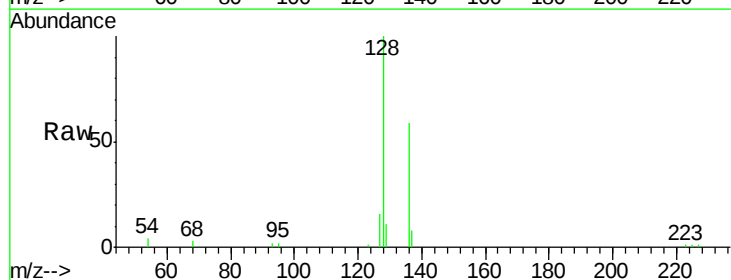
Tgt Ion: 128 Resp: 9220

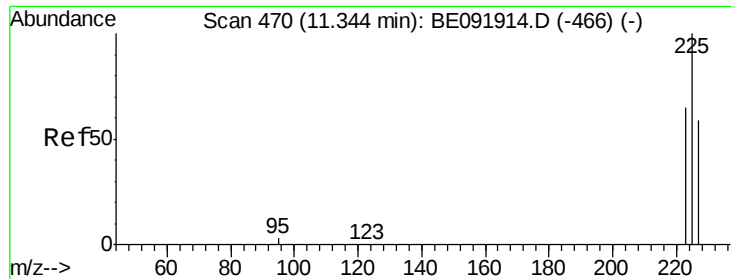
Ion Ratio Lower Upper

128 100

129 10.8 10.4 15.6

127 15.8 10.2 15.2#

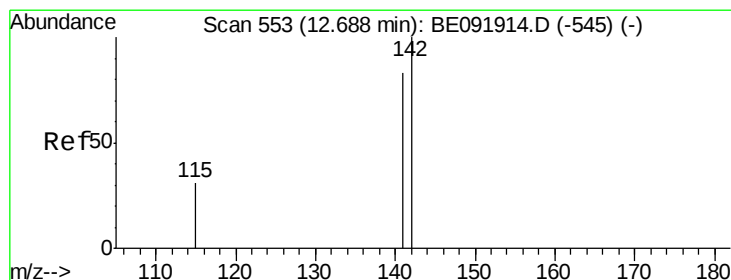
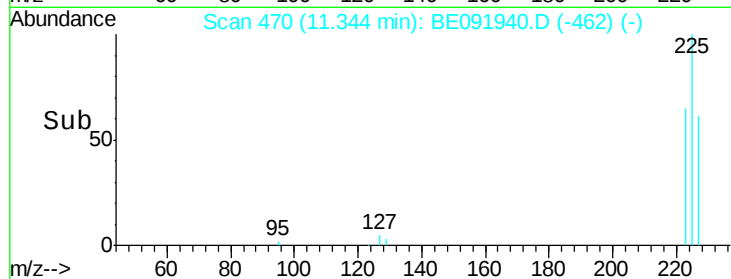
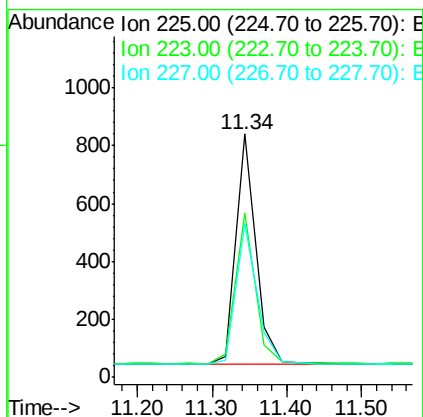
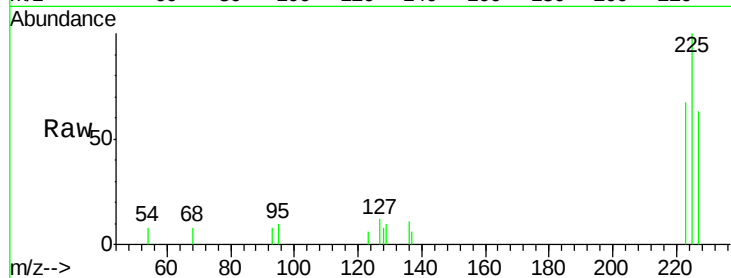




#13
Hexachlorobutadiene
Concen: 0.38 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091940.D
Acq: 16 Jun 2016 14:27

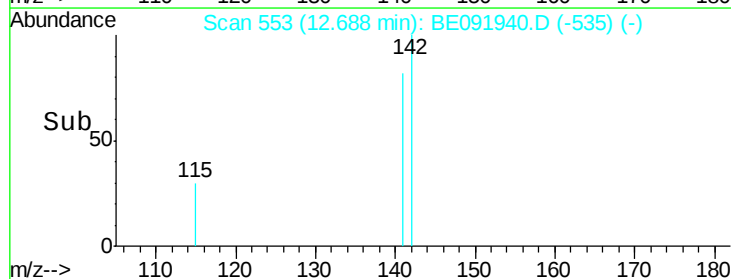
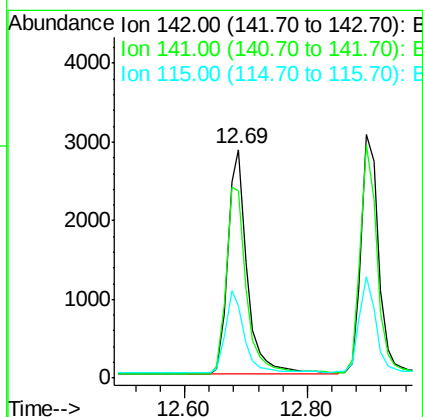
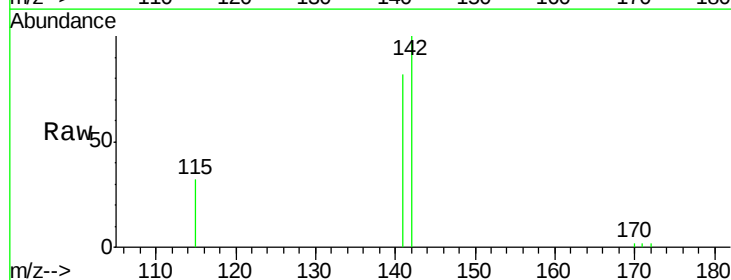
Instrument :
BNA_F
ClientSampleId :
SSTDCCC0.4EC

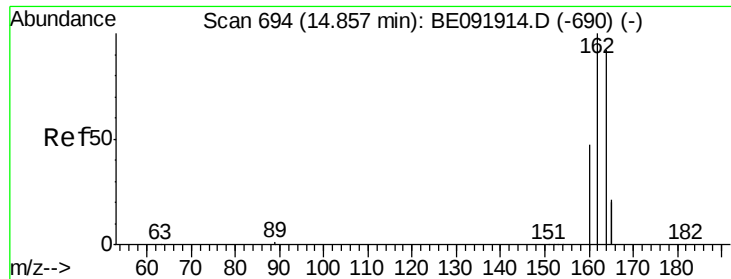
Tgt Ion: 225 Resp: 1451
Ion Ratio Lower Upper
225 100
223 64.3 49.8 74.8
227 63.9 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.01 min
Lab File: BE091940.D
Acq: 16 Jun 2016 14:27

Tgt Ion: 142 Resp: 6198
Ion Ratio Lower Upper
142 100
141 81.9 71.9 107.9
115 31.7 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

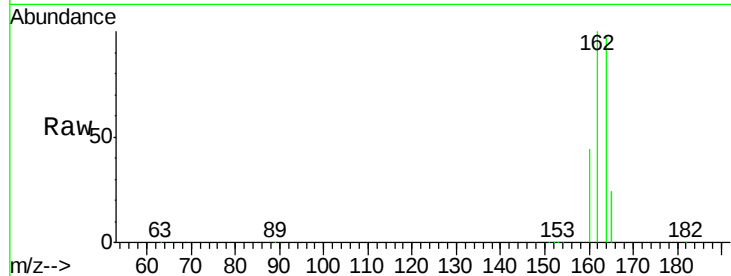
Tgt Ion:164 Resp: 83140

Ion Ratio Lower Upper

164 100

162 103.1 71.8 107.8

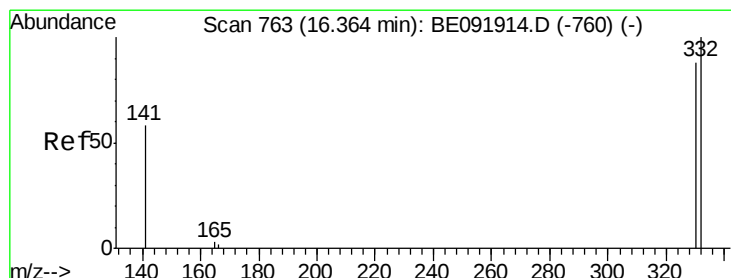
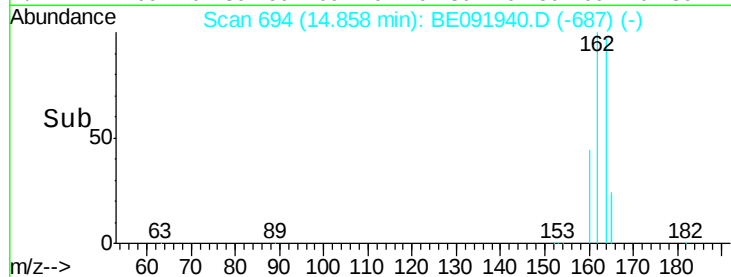
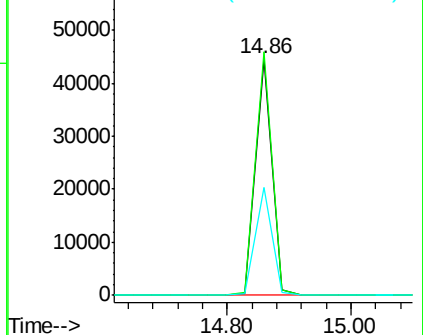
160 45.8 28.0 42.0#



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: 0.37 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

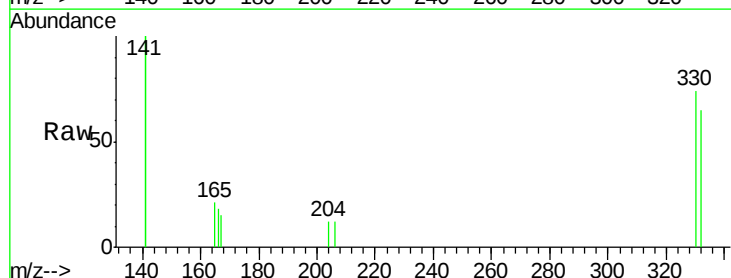
Tgt Ion:330 Resp: 642

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

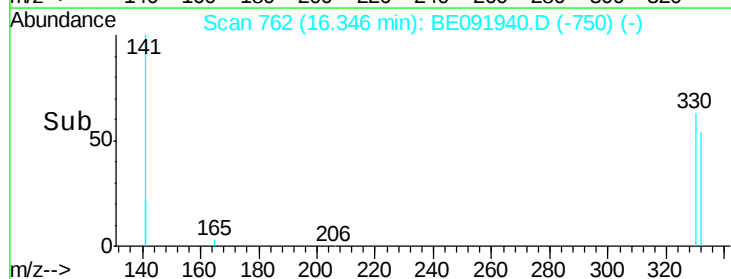
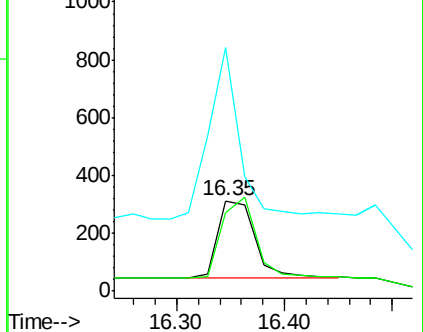
141 187.2 138.4 207.6

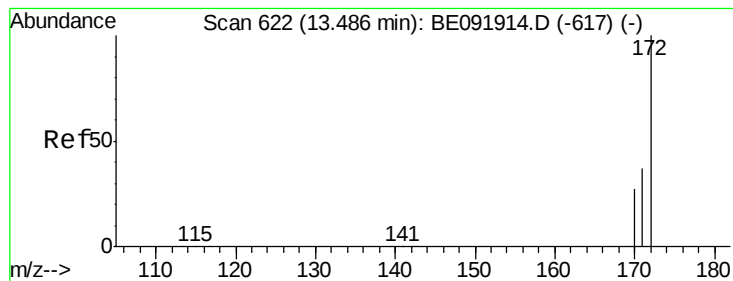


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

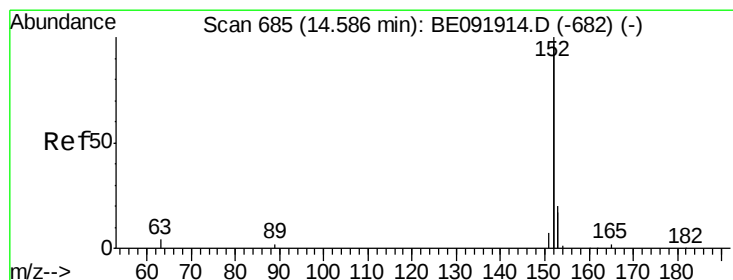
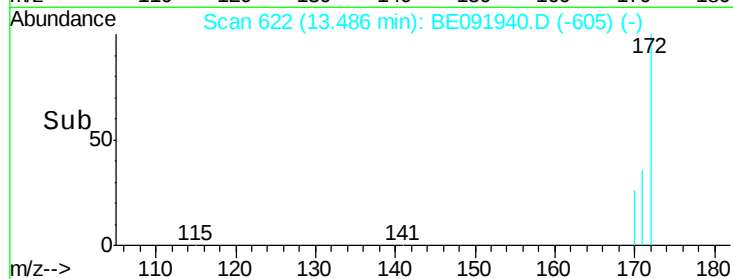
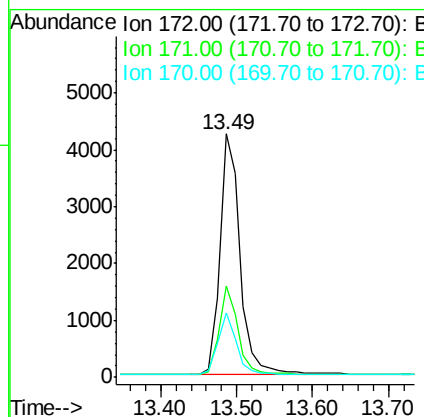
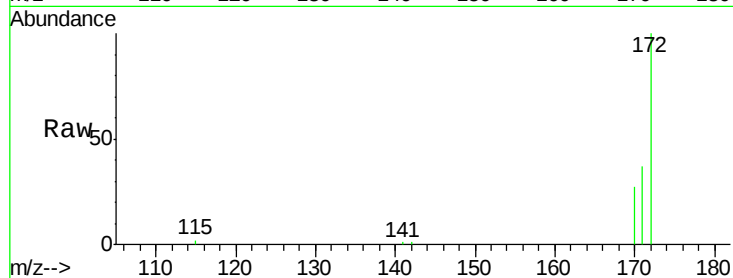




#17
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091940.D
Acq: 16 Jun 2016 14:27

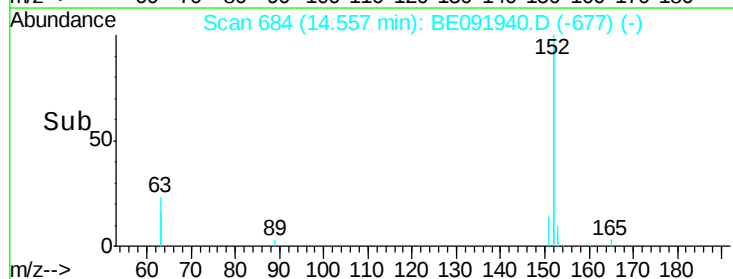
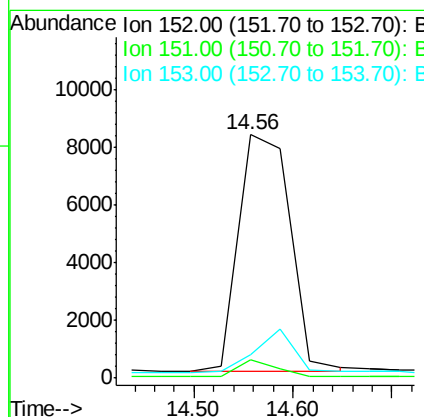
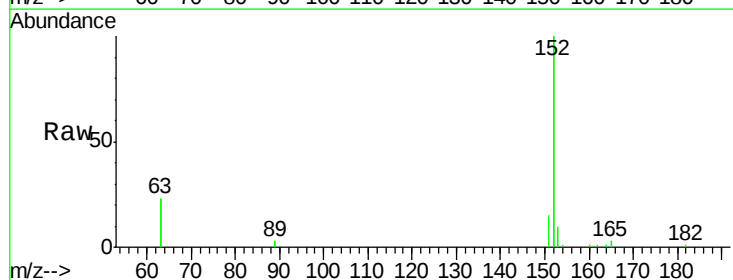
Instrument :
BNA_F
ClientSampleId :
SSTDCCC0.4EC

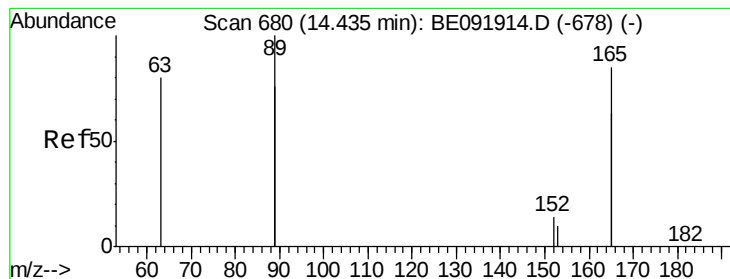
Tgt Ion:172 Resp: 7903
Ion Ratio Lower Upper
172 100
171 37.3 24.3 36.5#
170 26.6 14.9 22.3#



#18
Acenaphthylene
Concen: 0.36 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091940.D
Acq: 16 Jun 2016 14:27

Tgt Ion:152 Resp: 30051
Ion Ratio Lower Upper
152 100
151 5.1 19.4 29.2#
153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.51 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

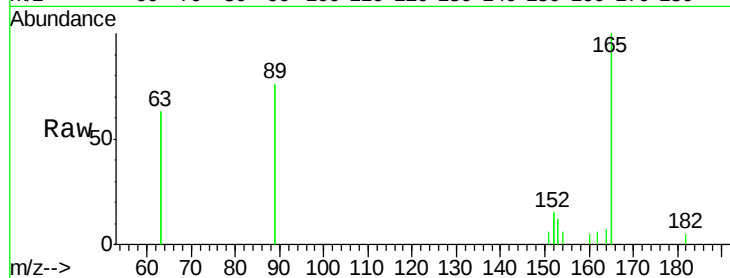
Tgt Ion:165 Resp: 5156

Ion Ratio Lower Upper

165 100

63 92.5 65.9 98.9

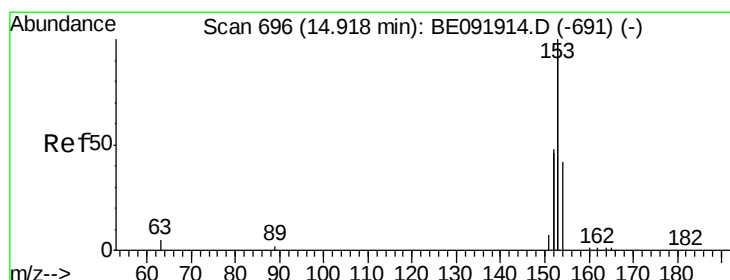
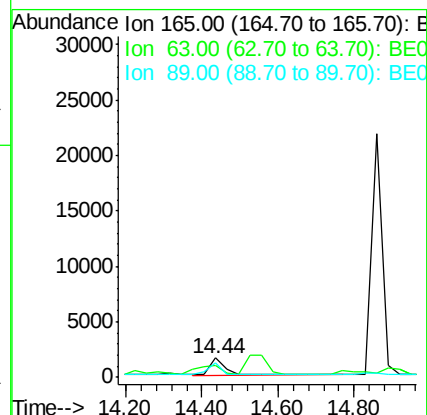
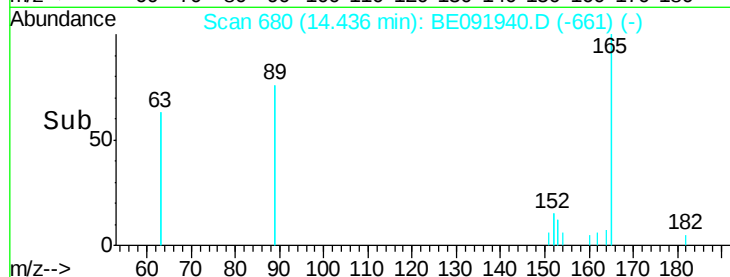
89 55.2 59.1 88.7#



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: 0.36 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

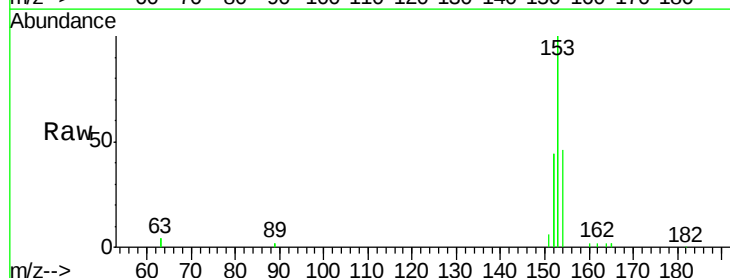
Tgt Ion:154 Resp: 8311

Ion Ratio Lower Upper

154 100

153 425.9 88.1 132.1#

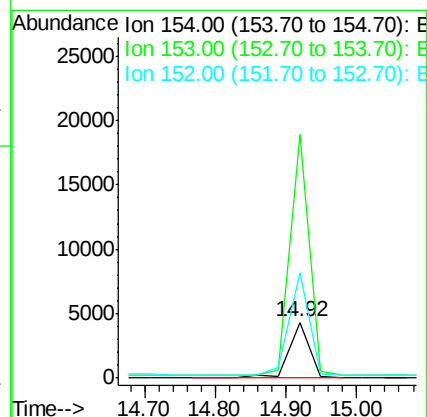
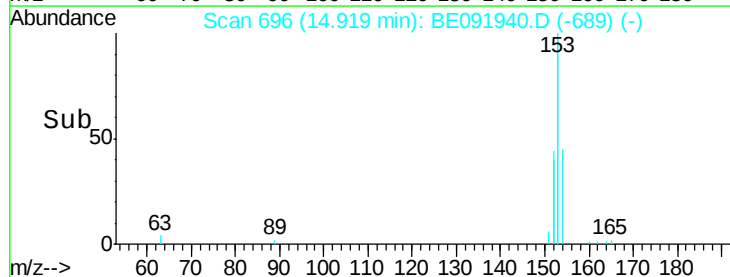
152 189.5 44.2 66.2#

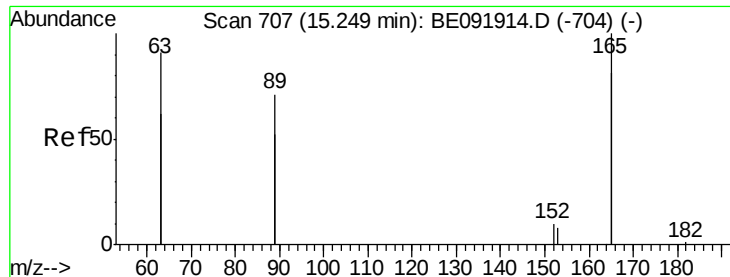


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.54 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.03 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:165 Resp: 7069

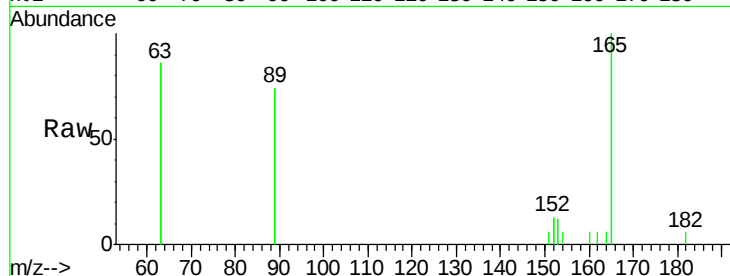
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

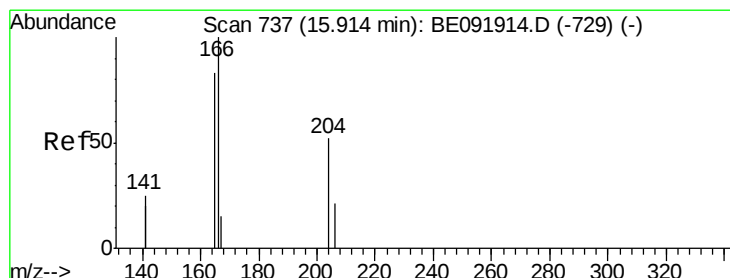
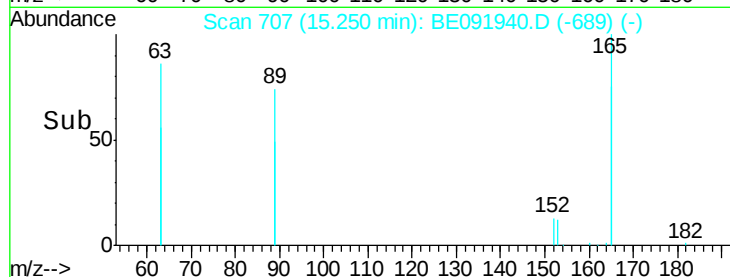
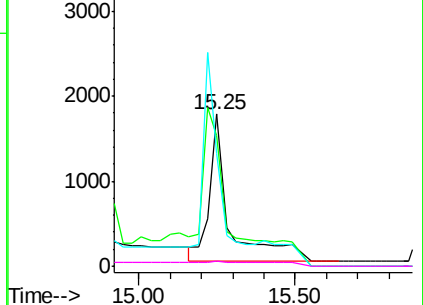


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.36 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

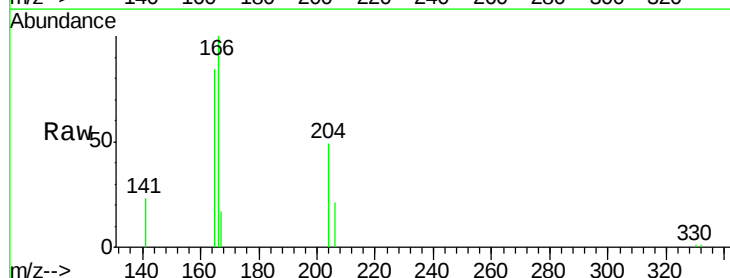
Tgt Ion:166 Resp: 8386

Ion Ratio Lower Upper

166 100

165 99.7 78.6 117.8

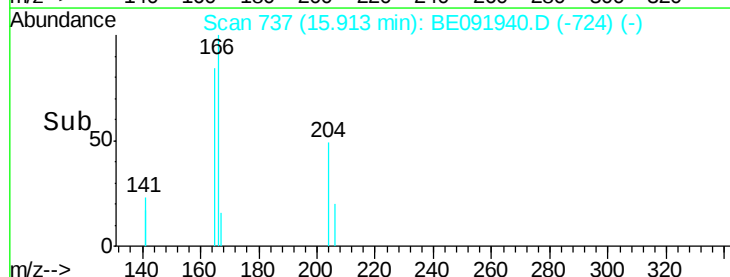
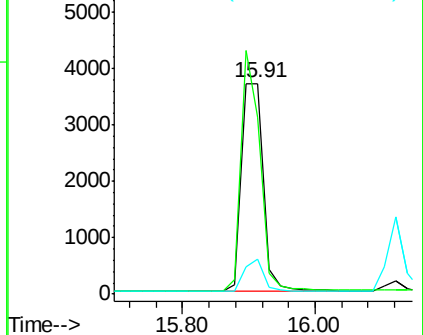
167 14.2 10.8 16.2

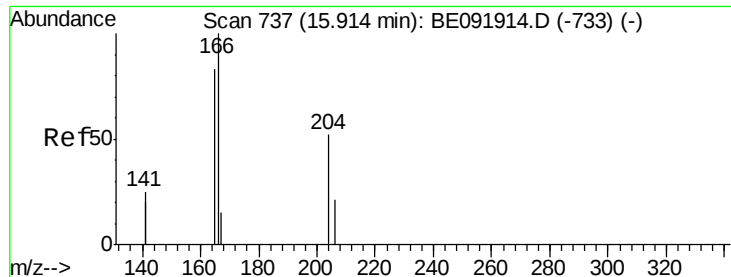


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.37 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

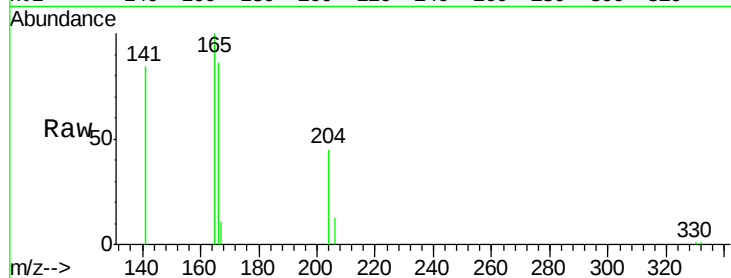
Tgt Ion: 204 Resp: 4225

Ion Ratio Lower Upper

204 100

206 33.6 27.8 41.6

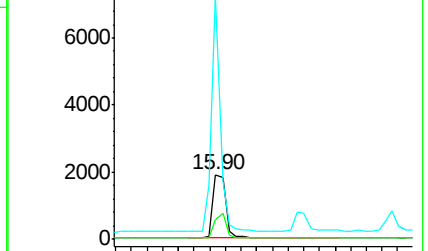
141 255.8 197.6 296.4



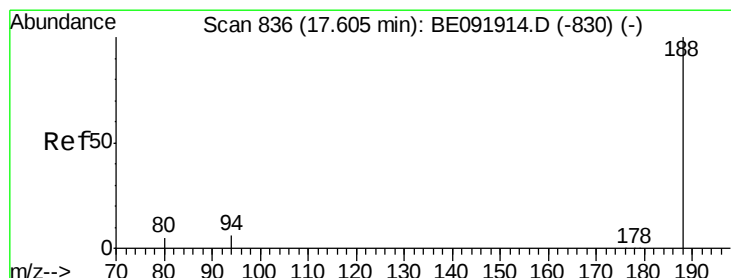
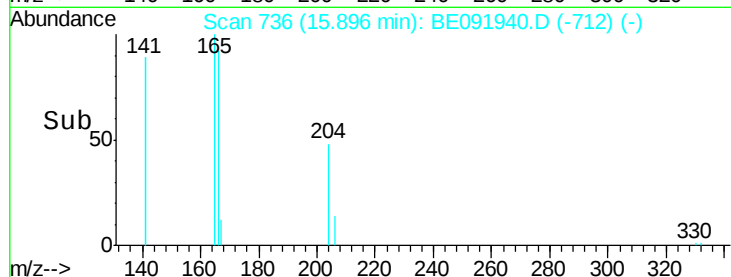
Abundance Ion 204.00 (203.70 to 204.70): E

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: 17.61 min Scan# 836

Delta R.T. -0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

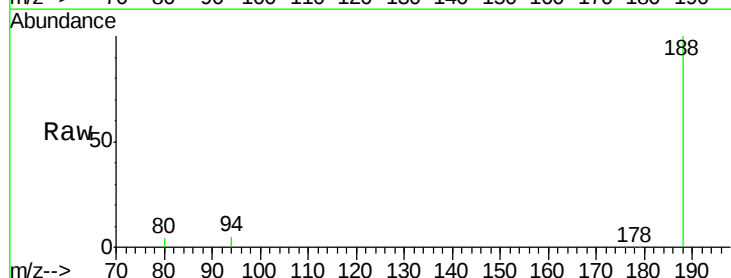
Tgt Ion: 188 Resp: 175524

Ion Ratio Lower Upper

188 100

94 5.1 4.1 6.1

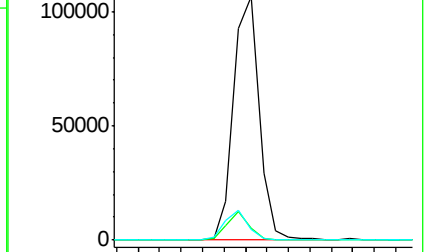
80 4.3 3.4 5.2



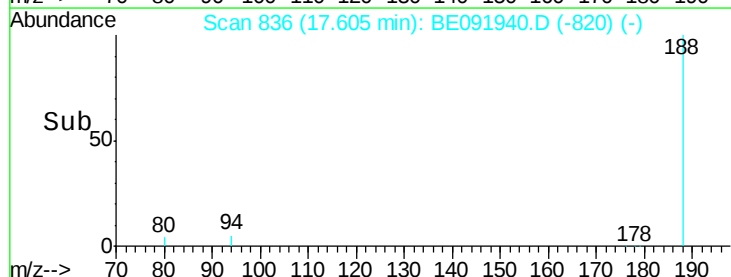
Abundance Ion 188.00 (187.70 to 188.70): E

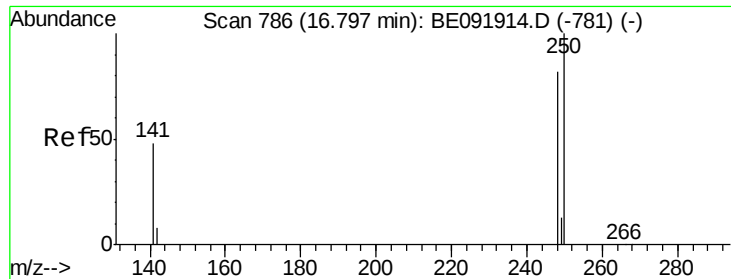
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->

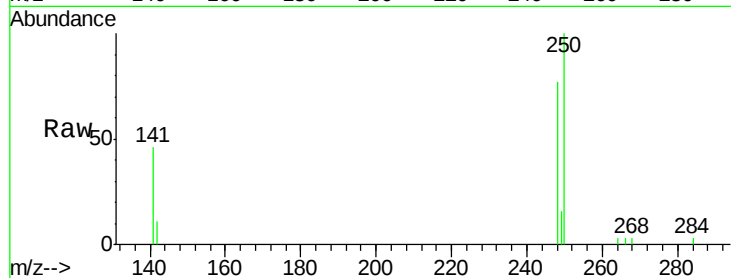




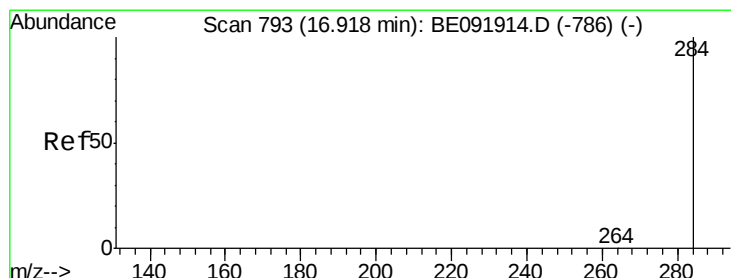
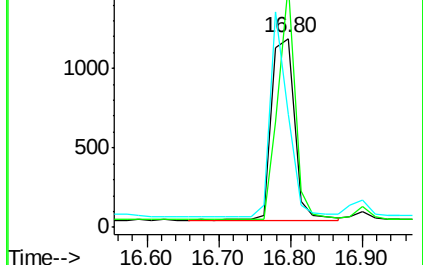
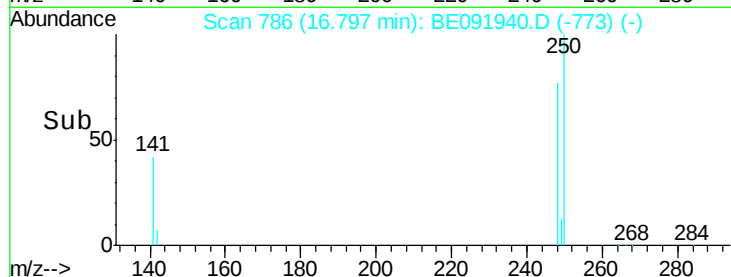
#25
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.80 min Scan# 786
Delta R.T. 0.02 min
Lab File: BE091940.D
Acq: 16 Jun 2016 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2529
Ion Ratio Lower Upper
248 100
250 96.8 75.7 113.5
141 87.3 64.6 97.0

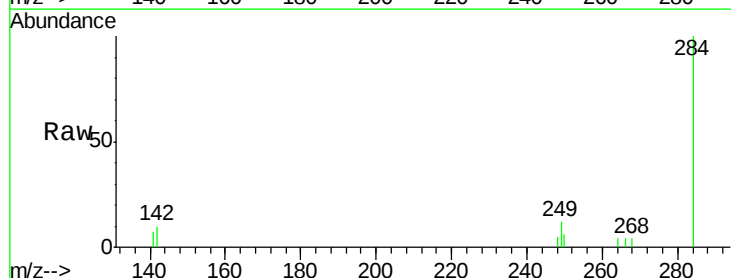


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

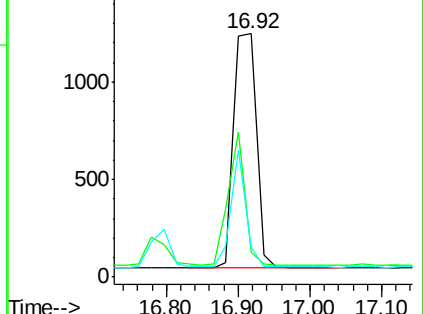
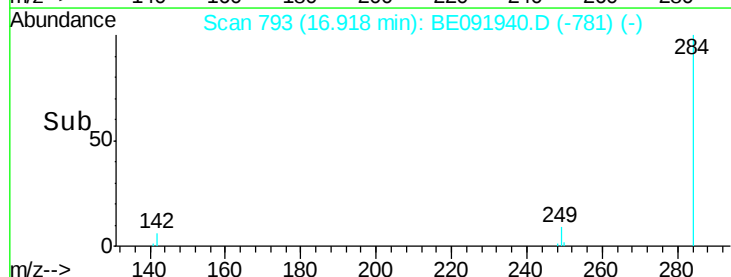


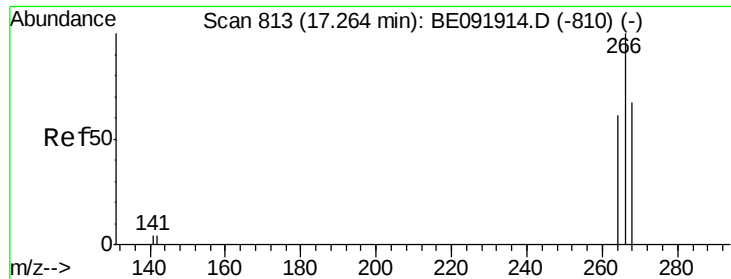
#26
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.92 min Scan# 793
Delta R.T. -0.00 min
Lab File: BE091940.D
Acq: 16 Jun 2016 14:27

Tgt Ion:284 Resp: 2607
Ion Ratio Lower Upper
284 100
142 42.0 31.4 47.2
249 32.6 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: 0.38 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

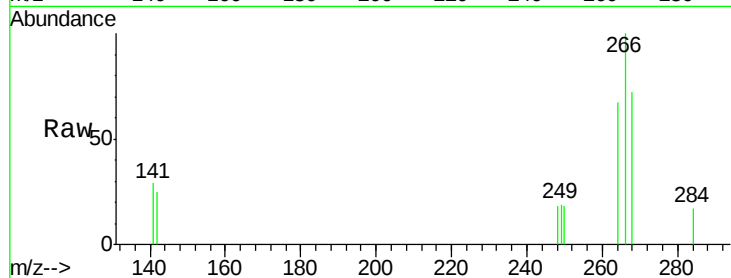
Tgt Ion:266 Resp: 586

Ion Ratio Lower Upper

266 100

268 72.4 60.5 90.7

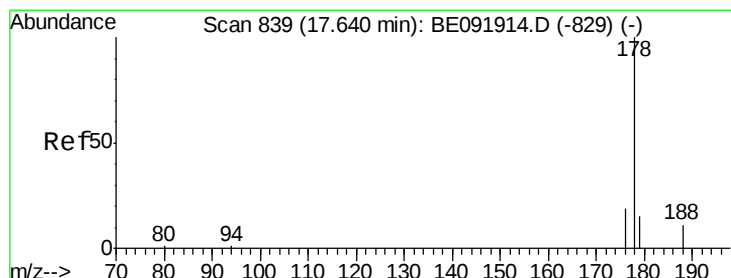
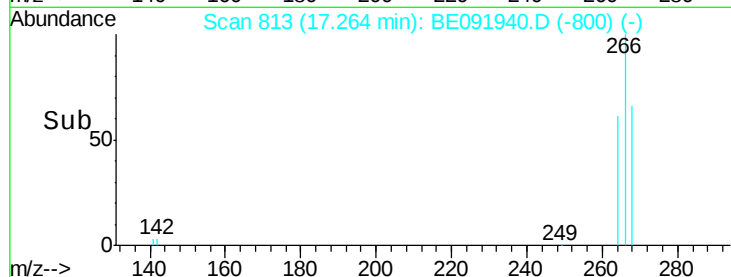
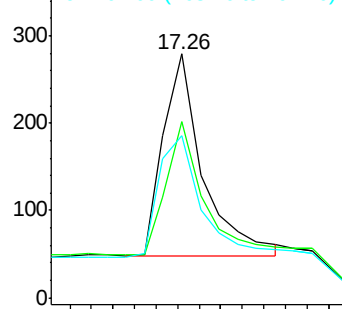
264 66.7 51.0 76.4



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: 0.39 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

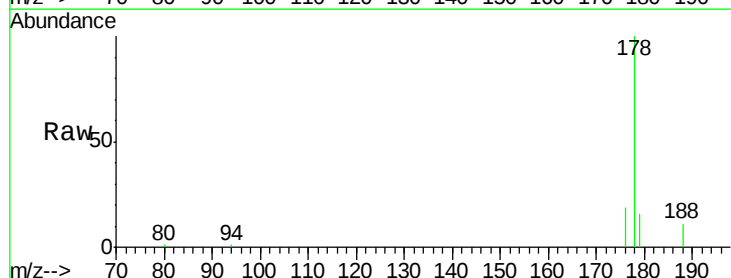
Tgt Ion:178 Resp: 17075

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

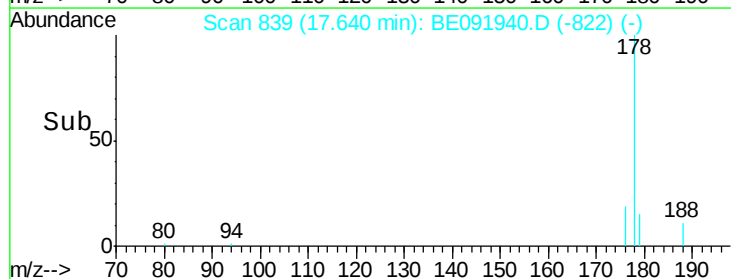
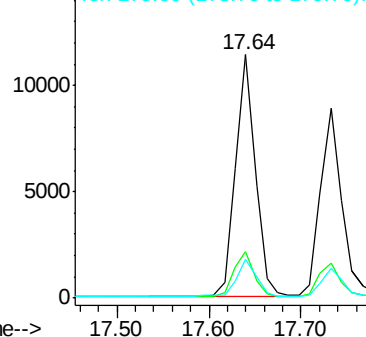
179 15.9 12.9 19.3

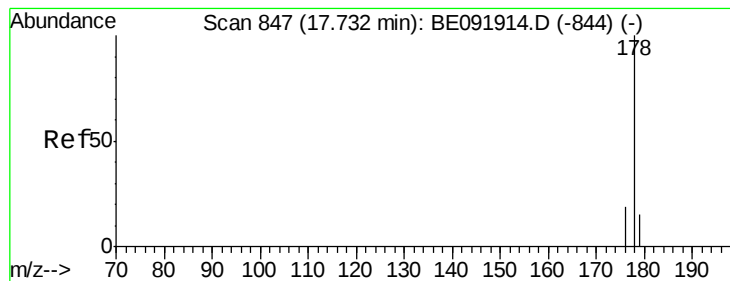


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.38 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

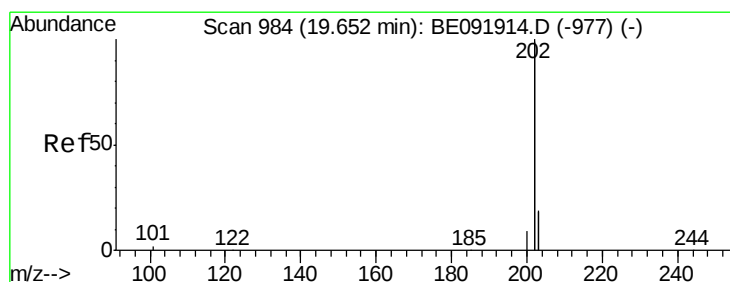
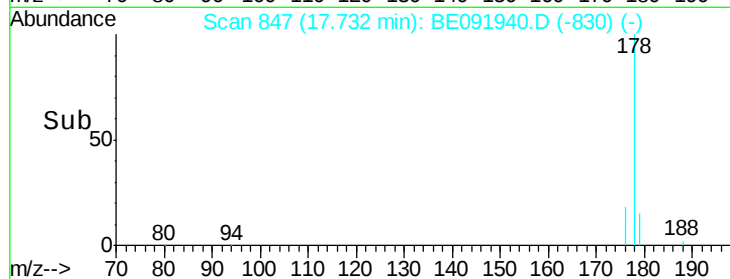
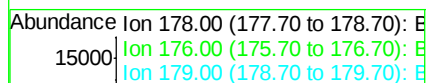
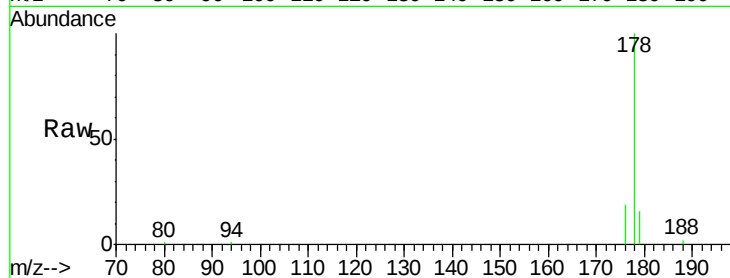
Tgt Ion:178 Resp: 14649

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.2 12.1 18.1



#30

Fluoranthene

Concen: 0.36 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

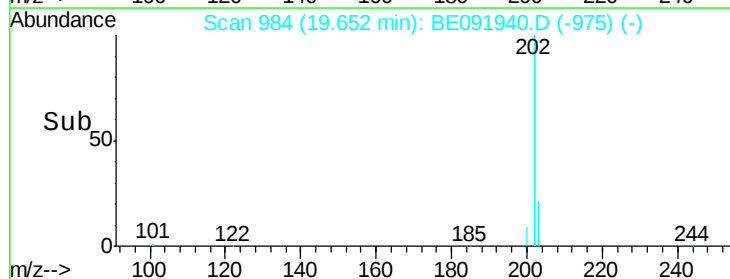
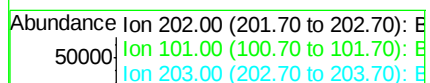
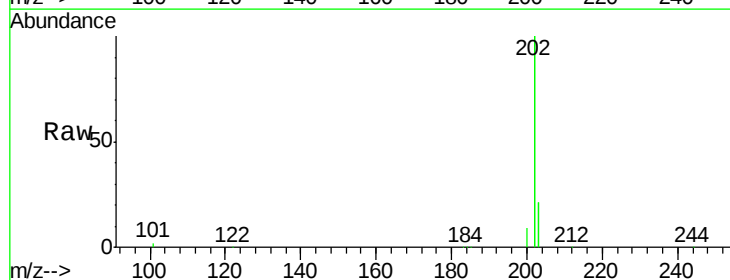
Tgt Ion:202 Resp: 68530

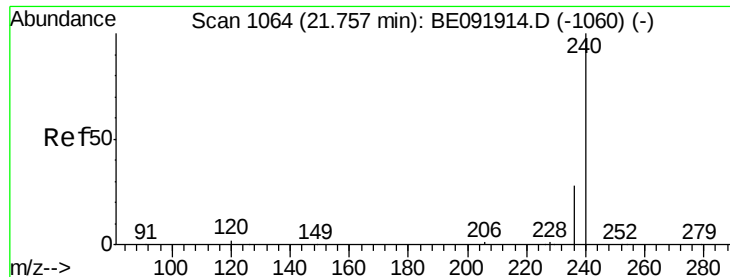
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.1 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: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

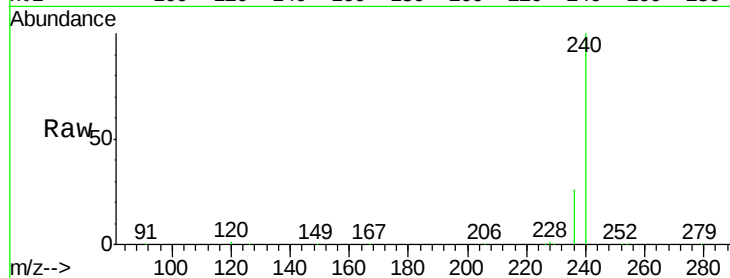
Tgt Ion:240 Resp: 287960

Ion Ratio Lower Upper

240 100

120 1.2 1.2 1.8

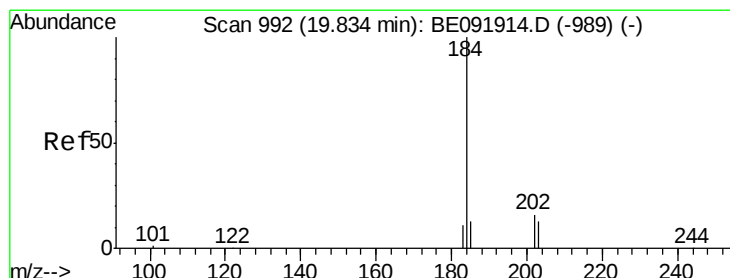
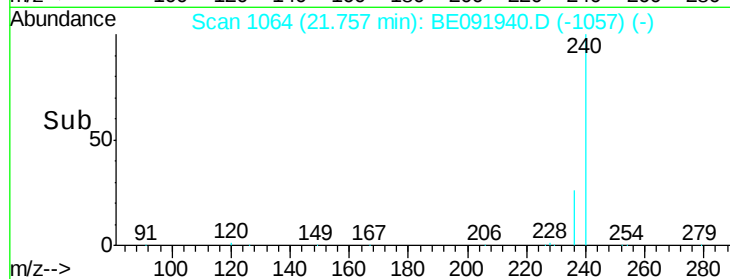
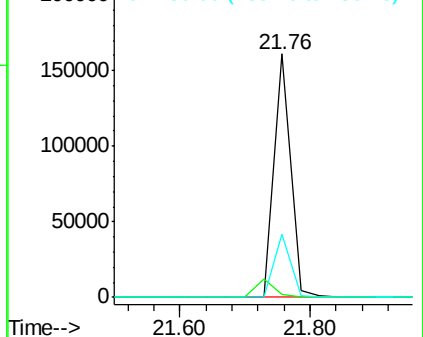
236 26.2 19.8 29.8



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: 0.37 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

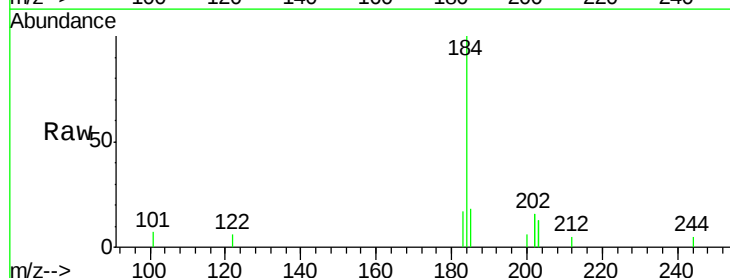
Tgt Ion:184 Resp: 3124

Ion Ratio Lower Upper

184 100

185 17.8 11.4 17.2#

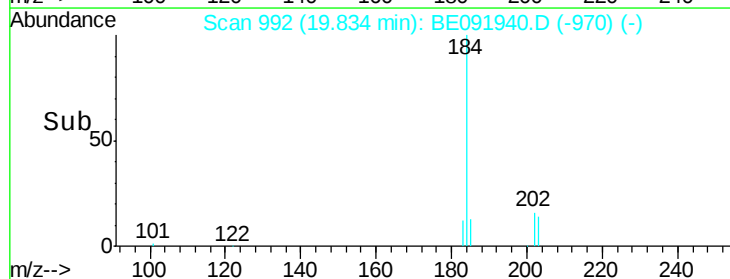
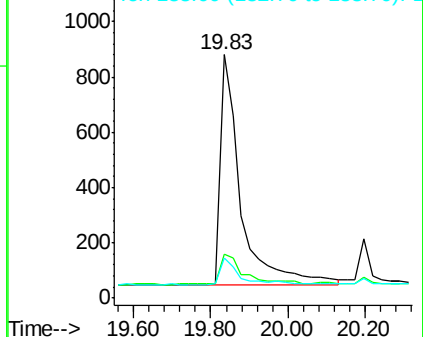
183 16.7 11.8 17.6

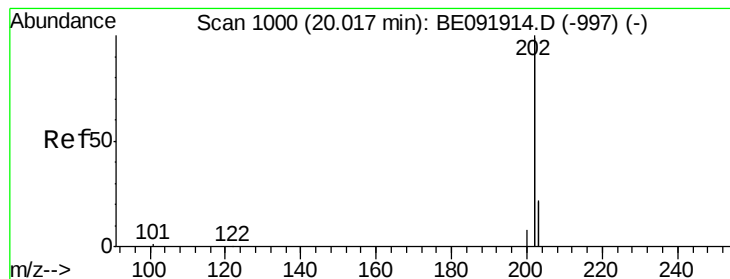


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.36 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

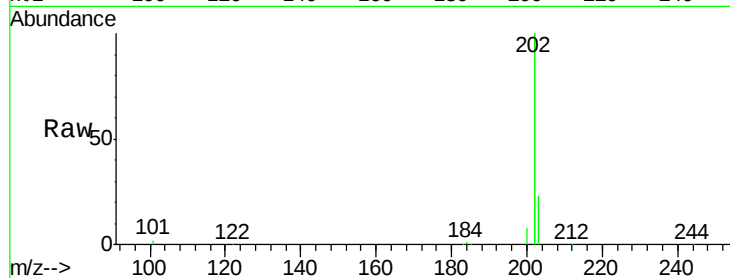
Tgt Ion: 202 Resp: 70600

Ion Ratio Lower Upper

202 100

200 5.3 16.9 25.3#

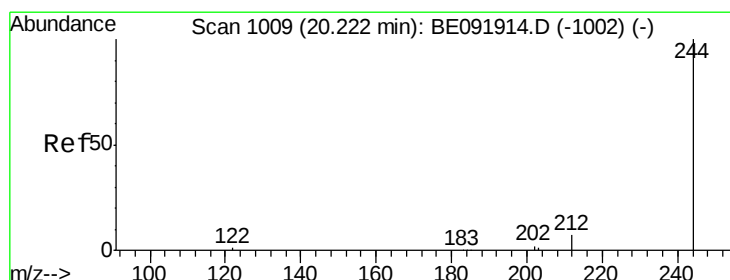
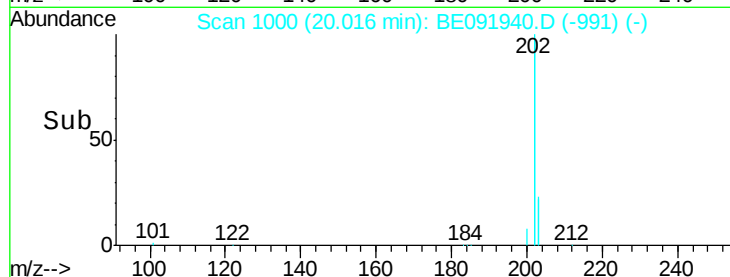
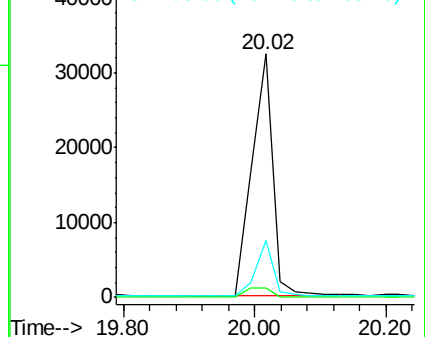
203 19.0 14.1 21.1



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: 0.36 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

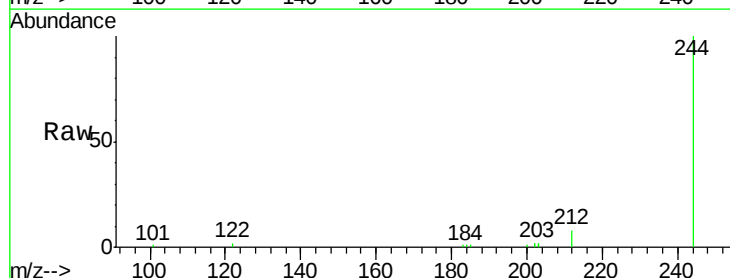
Tgt Ion: 244 Resp: 12589

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

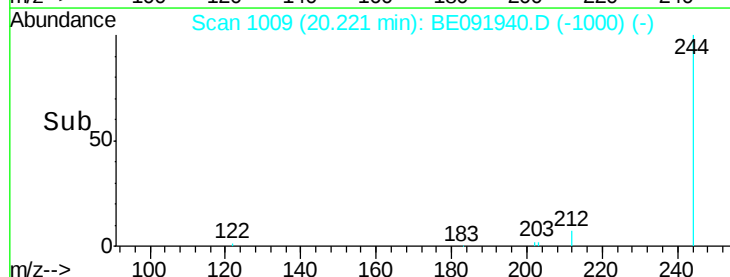
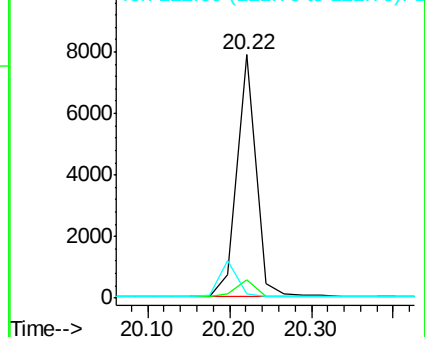
122 1.7 2.9 4.3#

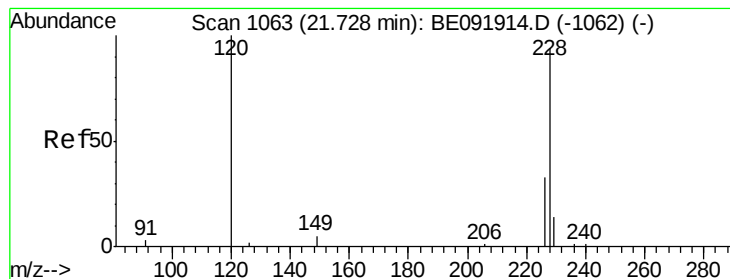


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 1.11 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

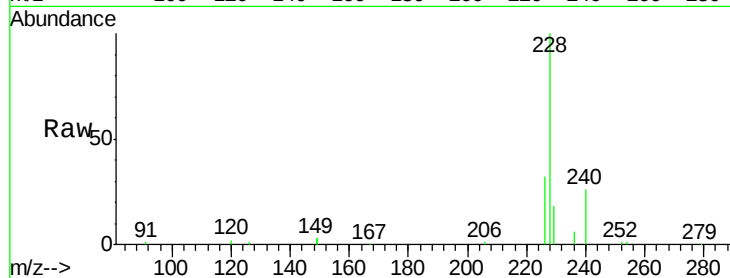
Tgt Ion:228 Resp: 50085

Ion Ratio Lower Upper

228 100

226 31.7 21.0 31.4#

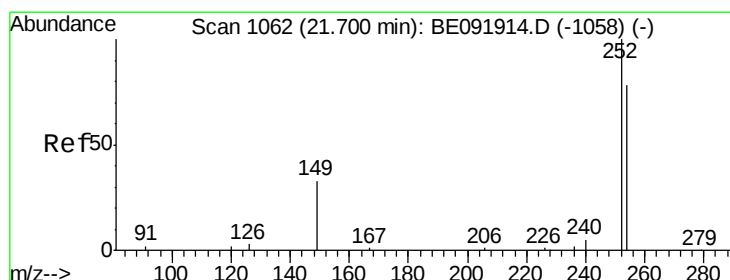
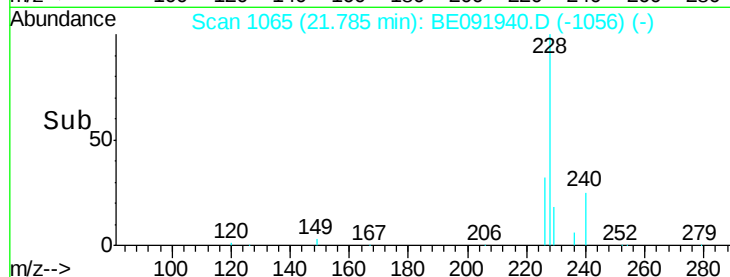
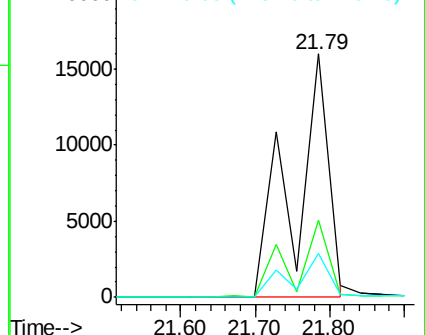
229 18.1 15.8 23.8



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: 0.39 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.03 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

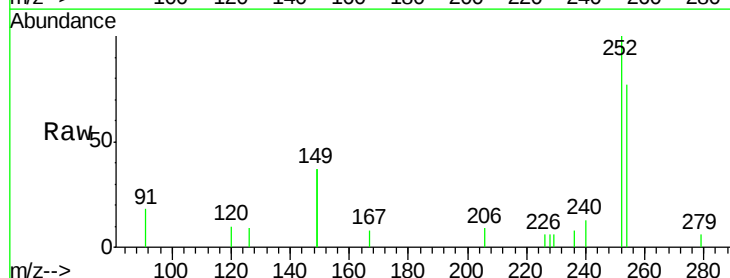
Tgt Ion:252 Resp: 2892

Ion Ratio Lower Upper

252 100

254 77.1 61.5 92.3

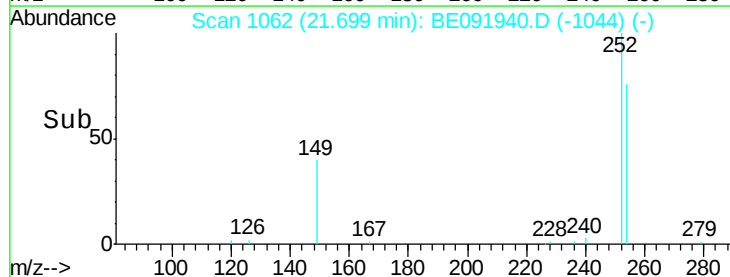
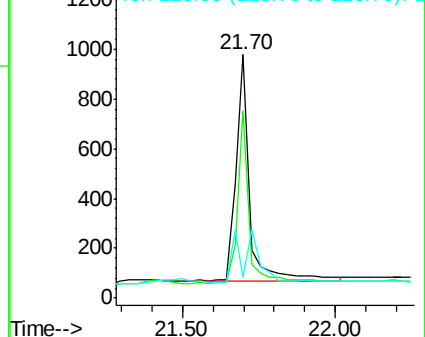
126 8.7 2.5 3.7#

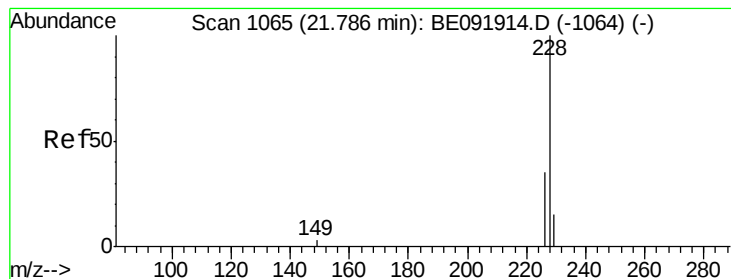


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.77 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

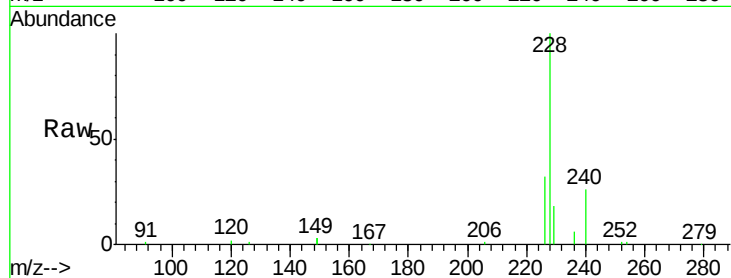
Tgt Ion:228 Resp: 50598

Ion Ratio Lower Upper

228 100

226 31.7 27.0 40.6

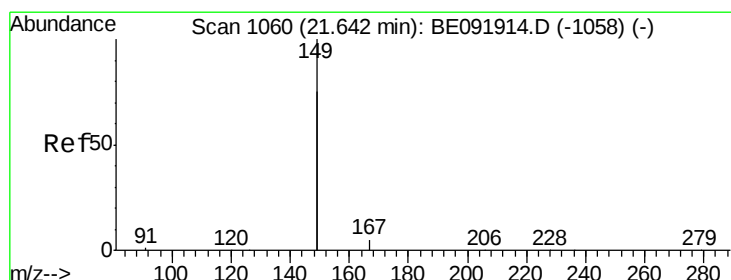
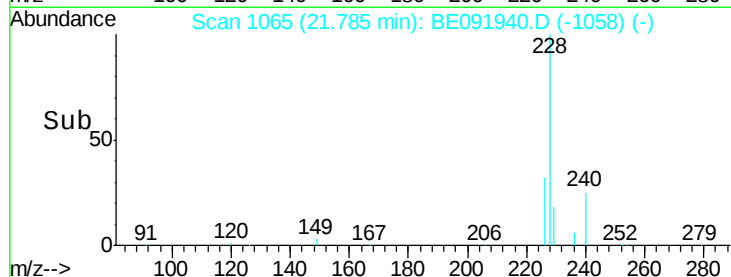
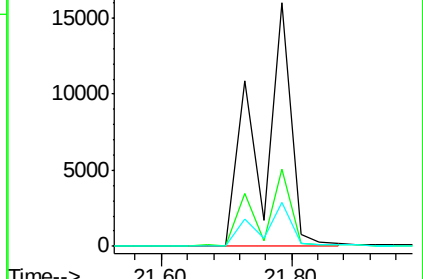
229 18.1 13.8 20.8



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: 0.57 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

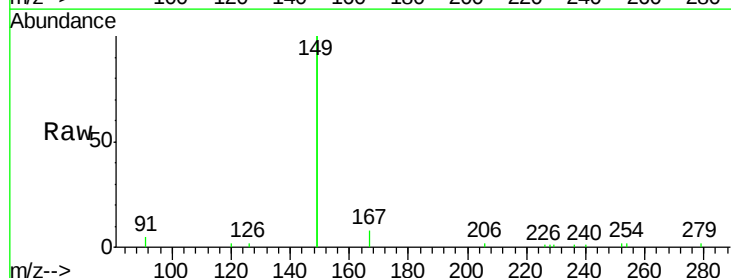
Tgt Ion:149 Resp: 15859

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

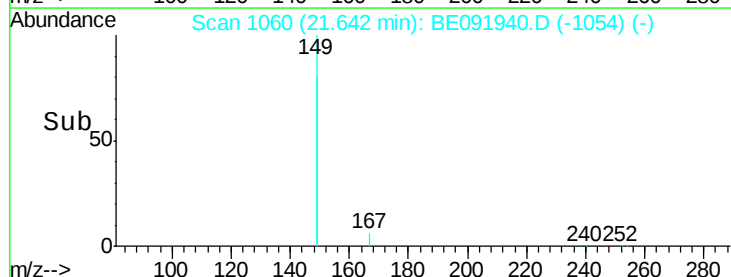
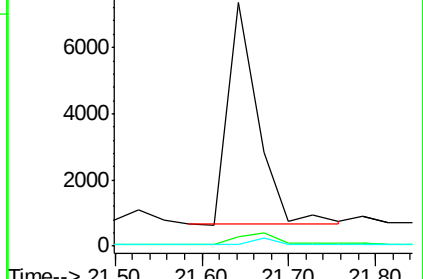
279 0.0 0.0 0.0

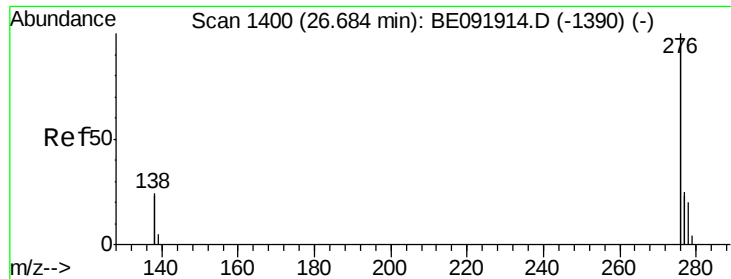


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

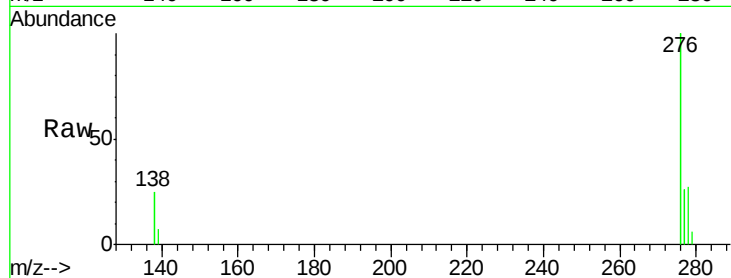




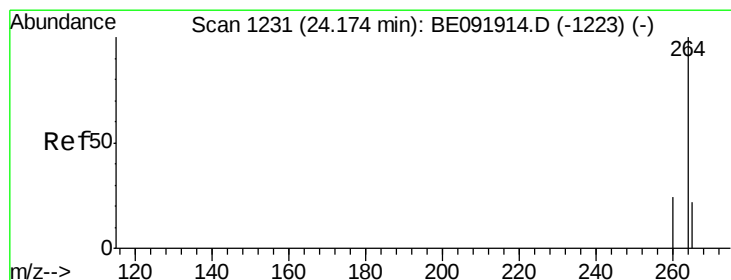
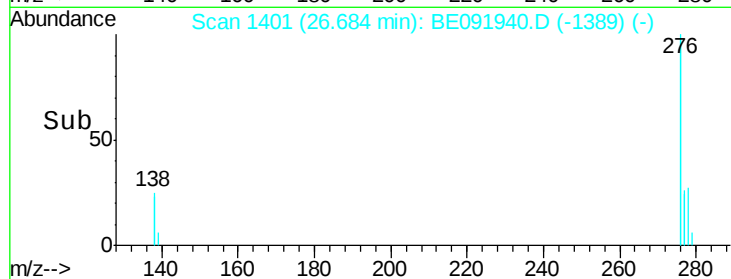
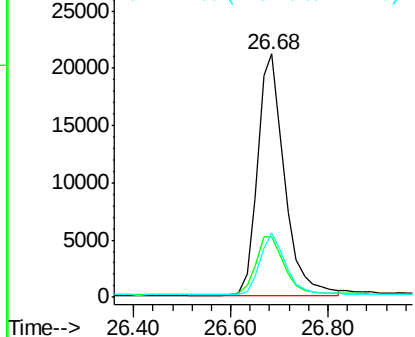
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.36 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091940.D
 Acq: 16 Jun 2016 14:27

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion: 276 Resp: 81785
 Ion Ratio Lower Upper
 276 100
 138 26.2 19.7 29.5
 277 25.0 20.1 30.1

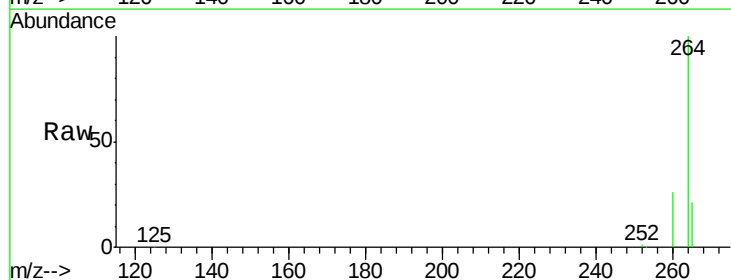


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

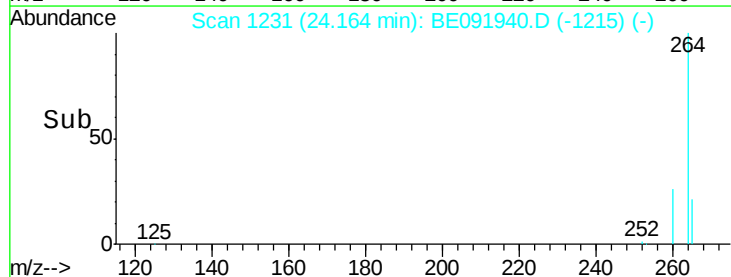
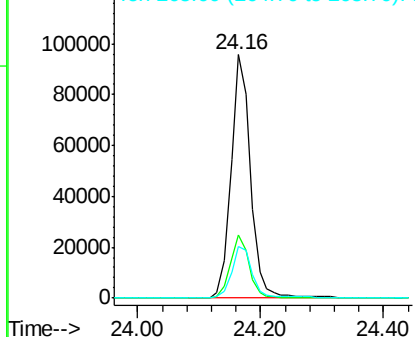


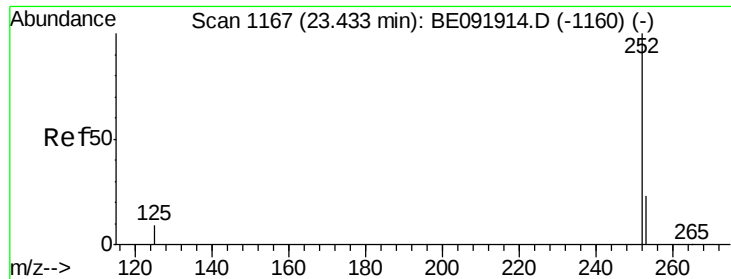
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BE091940.D
 Acq: 16 Jun 2016 14:27

Tgt Ion: 264 Resp: 211100
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.3 30.5
 265 21.0 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: 0.36 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

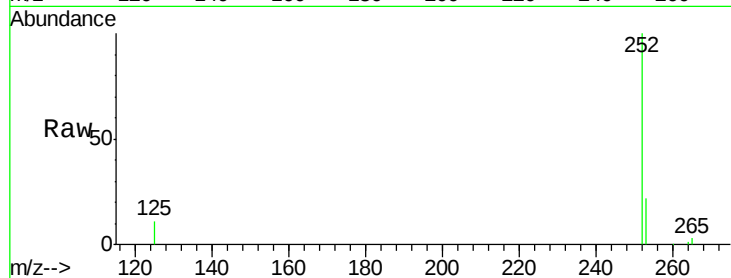
Tgt Ion:252 Resp: 19503

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

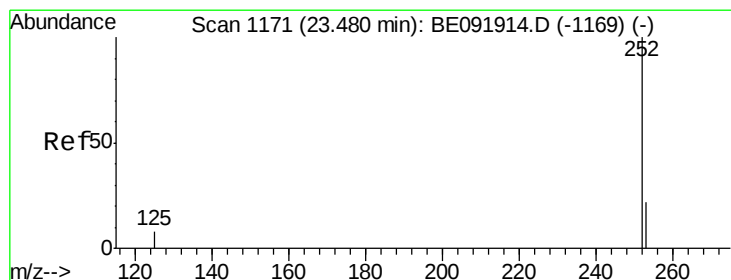
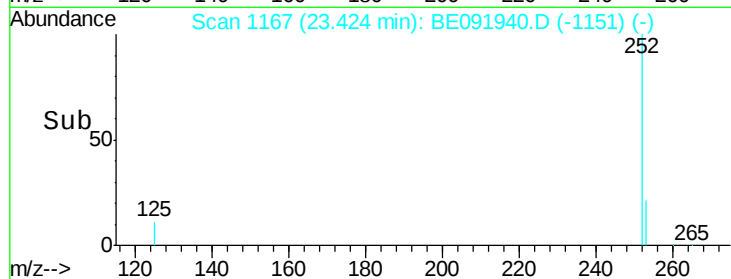
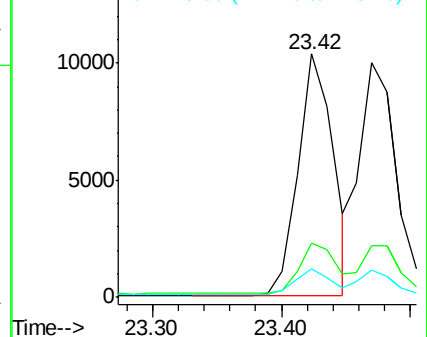
125 11.5 9.4 14.2



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: 0.41 ng

RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

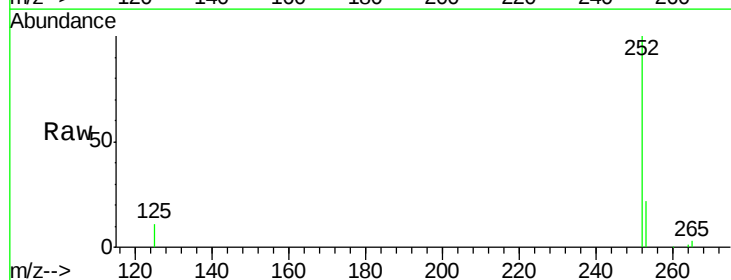
Tgt Ion:252 Resp: 20117

Ion Ratio Lower Upper

252 100

253 21.9 19.4 29.2

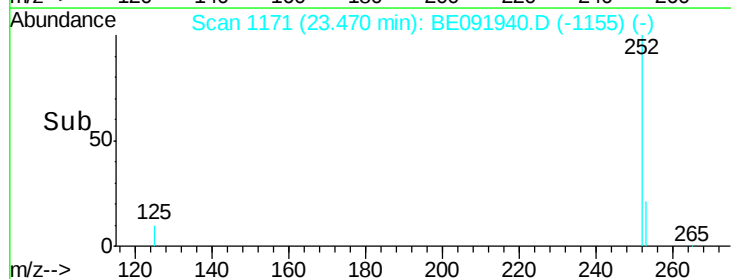
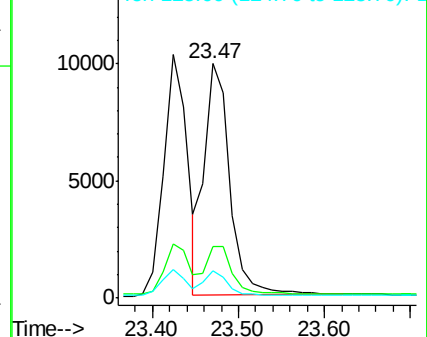
125 11.4 8.3 12.5



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: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC

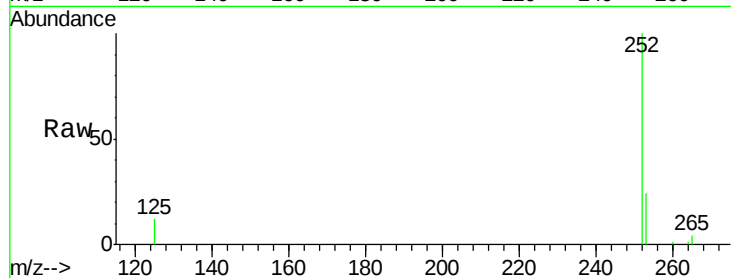
Tgt Ion:252 Resp: 18292

Ion Ratio Lower Upper

252 100

253 24.4 18.9 28.3

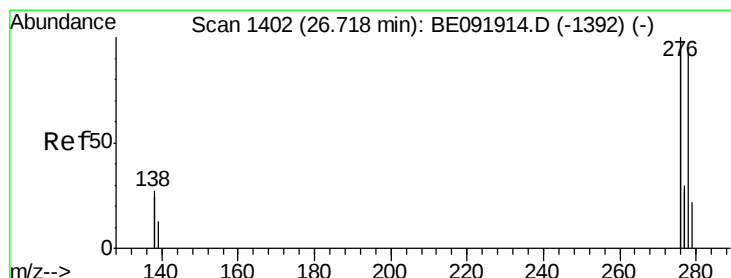
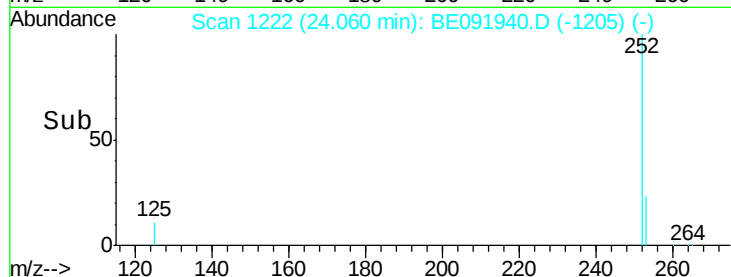
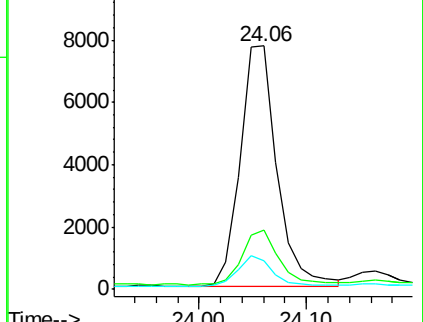
125 11.8 10.5 15.7



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: 0.37 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091940.D

Acq: 16 Jun 2016 14:27

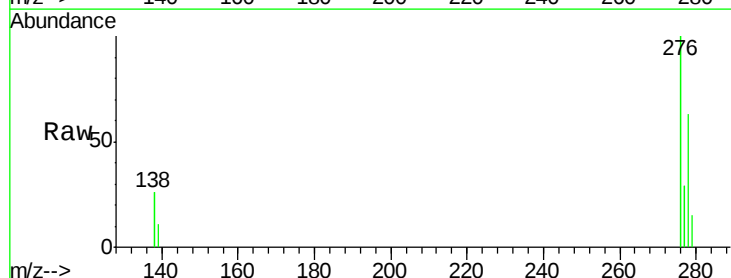
Tgt Ion:278 Resp: 16920

Ion Ratio Lower Upper

278 100

139 17.6 12.6 18.8

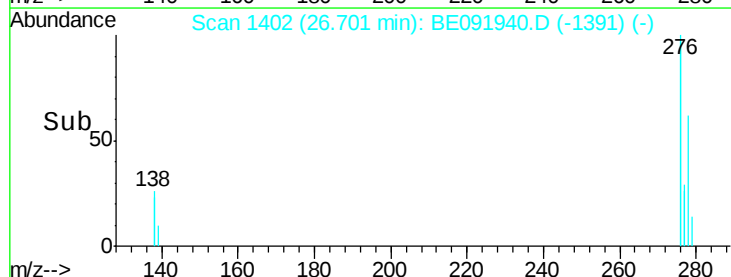
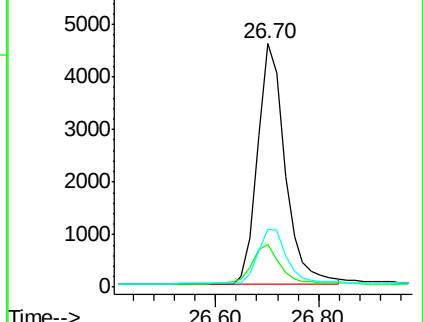
279 23.9 20.0 30.0

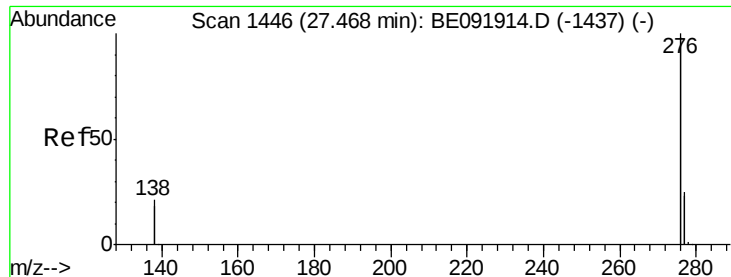


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.37 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091940.D

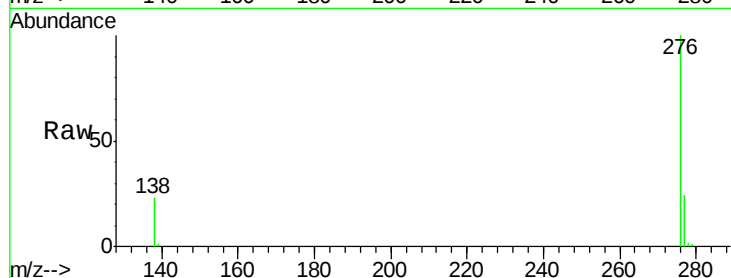
Acq: 16 Jun 2016 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC0.4EC



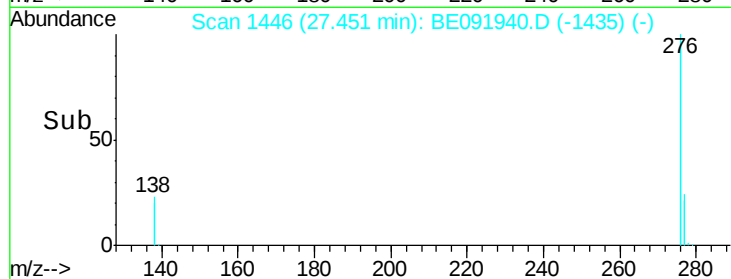
Tgt Ion: 276 Resp: 70083

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 23.1 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

