

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE091999.D
 Acq On : 22 Jul 2016 9:40
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jul 22 11:56:37 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 11:36:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	21393	5.00	ng	0.00
8) Naphthalene-d8	11.00	136	101904	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	67052	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	158114	5.00	ng	0.00
31) Chrysene-d12	21.76	240	259896	5.00	ng	0.00
40) Perylene-d12	24.16	264	178611	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	315	0.06	ng	0.00
5) Phenol-d6	7.38	99	436	0.06	ng	0.02
9) Nitrobenzene-d5	9.38	82	471	0.07	ng	0.00
16) 2,4,6-Tribromophenol	16.36	330	103	0.05	ng	0.02
17) 2-Fluorobiphenyl	13.50	172	1703	0.10	ng	0.01
34) Terphenyl-d14	20.22	244	2615	0.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	335	0.12	ng	# 95
3) n-Nitrosodimethylamine	3.85	42	176	0.05	ng	# 1
6) bis(2-Chloroethyl)ether	7.63	93	493	0.08	ng	# 95
7) n-Nitroso-di-n-propylamine	9.02	70	440	0.07	ng	# 92
10) Nitrobenzene	9.42	77	496	0.07	ng	# 98
11) bis(2-Chloroethoxy)methane	10.50	93	638	0.07	ng	# 16
12) Naphthalene	11.05	128	2422	0.10	ng	# 94
13) Hexachlorobutadiene	11.34	225	350	0.10	ng	# 96
14) 2-Methylnaphthalene	12.70	142	1409	0.09	ng	# 96
18) Acenaphthylene	14.56	152	8676	0.10	ng	# 73
19) 2,6-Dinitrotoluene	14.47	165	778	0.05	ng	# 10
20) Acenaphthene	14.92	154	2019	0.11	ng	# 1
21) 2,4-Dinitrotoluene	14.86	165	36408	2.43	ng	# 1
22) Fluorene	15.91	166	2032	0.11	ng	# 100
23) 4-Chlorophenyl-phenylether	15.90	204	1049	0.11	ng	# 95
25) 4-Bromophenyl-phenylether	16.78	248	644	0.09	ng	# 95
26) Hexachlorobenzene	16.90	284	711	0.10	ng	# 98
27) Pentachlorophenol	17.28	266	67	0.03	ng	# 74
28) Phenanthrene	17.64	178	4389	0.11	ng	# 97
29) Anthracene	17.73	178	3468	0.09	ng	# 99
30) Fluoranthene	19.65	202	16873	0.10	ng	# 88
32) Benzidine	19.86	184	520	0.03	ng	# 34
33) Pyrene	20.02	202	17243	0.09	ng	# 81
35) Benzo(a)anthracene	21.78	228	11588	0.27	ng	# 91
36) 3,3'-Dichlorobenzidine	21.70	252	794	0.06	ng	# 92
37) Chrysene	21.78	228	11787	0.19	ng	# 98
38) Bis(2-ethylhexyl)phthalate	21.64	149	3450	0.07	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	17940	0.07	ng	# 97
41) Benzo(b)fluoranthene	23.43	252	4706	0.10	ng	# 92
42) Benzo(k)fluoranthene	23.48	252	4272	0.09	ng	# 95
43) Benzo(a)pyrene	24.06	252	4146	0.09	ng	# 90
44) Dibenzo(a,h)anthracene	26.72	278	3508	0.08	ng	# 90
45) Benzo(g,h,i)perylene	27.47	276	15128	0.08	ng	# 92

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 11:36:01 2016
Response via : Initial Calibration

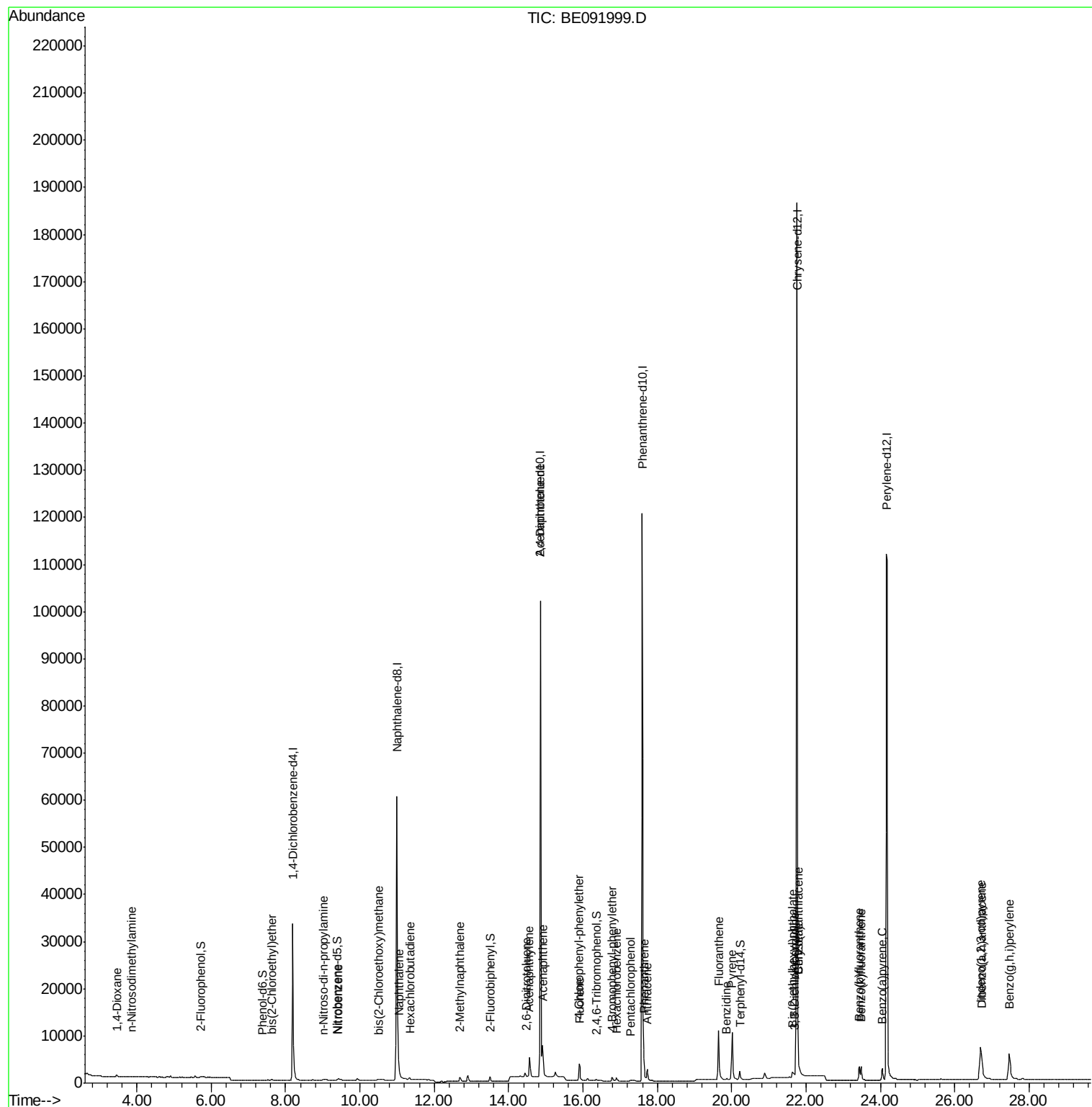
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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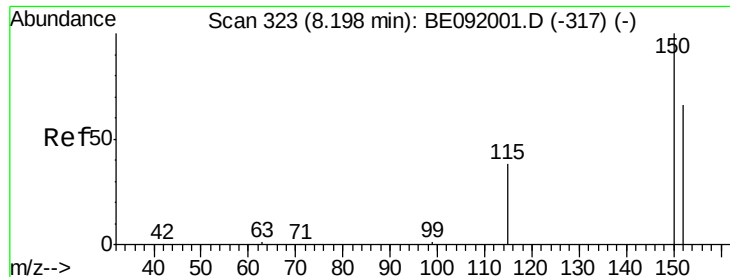
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 22 11:56:37 2016
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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: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

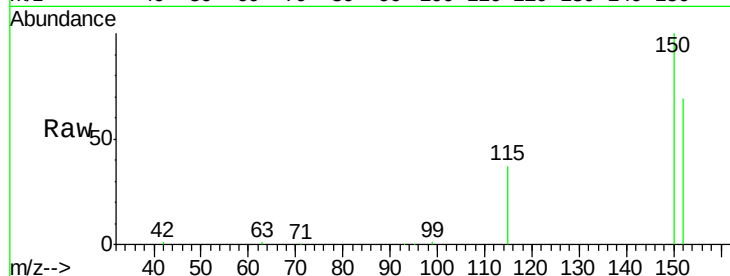
Tgt Ion:152 Resp: 21393

Ion Ratio Lower Upper

152 100

150 145.3 123.9 185.9

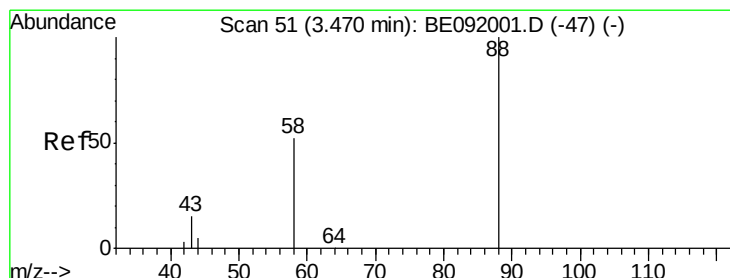
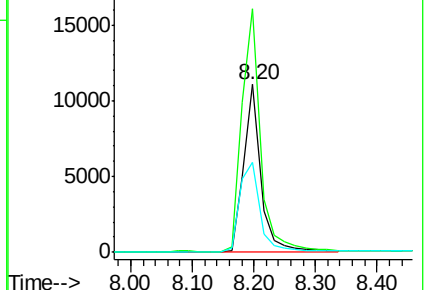
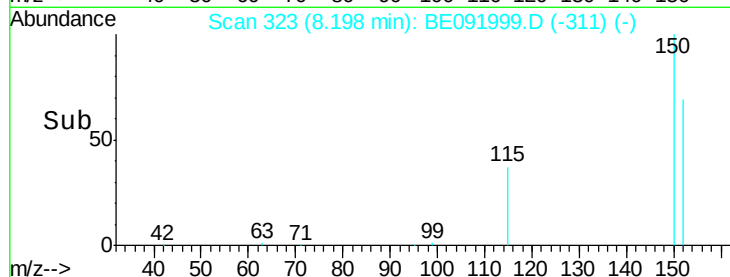
115 53.7 48.3 72.5



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: 0.12 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

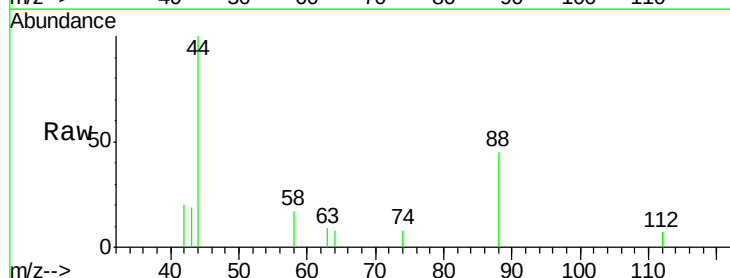
Tgt Ion: 88 Resp: 335

Ion Ratio Lower Upper

88 100

58 80.3 63.0 94.4

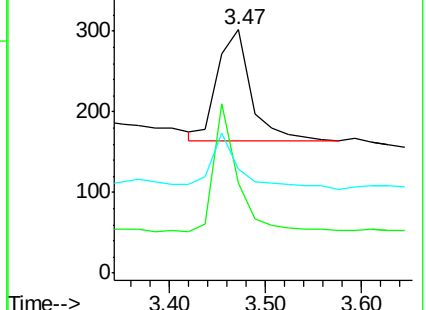
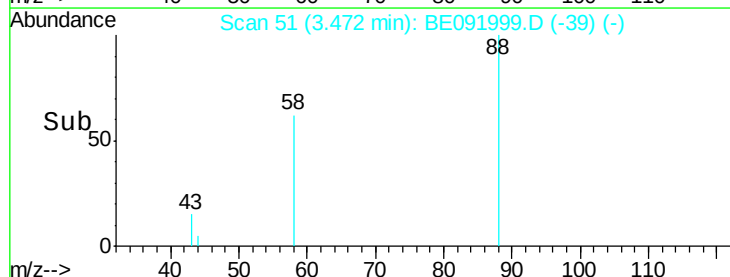
43 44.2 29.1 43.7#

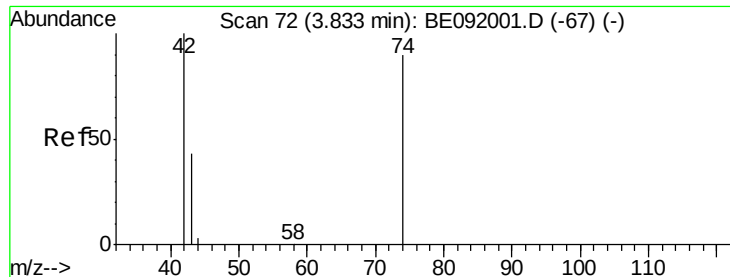


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.85 min Scan# 73

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

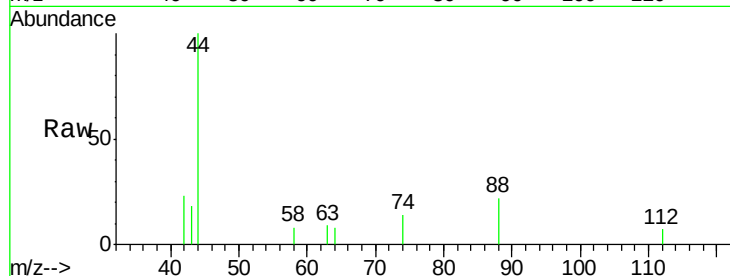
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

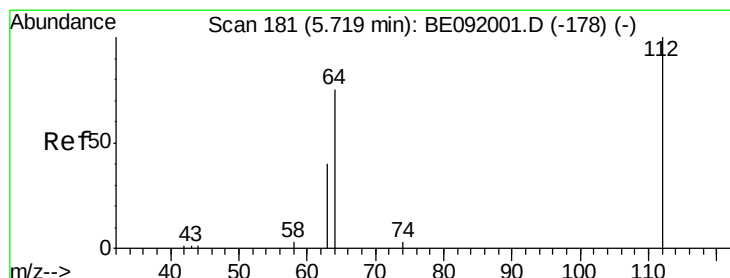
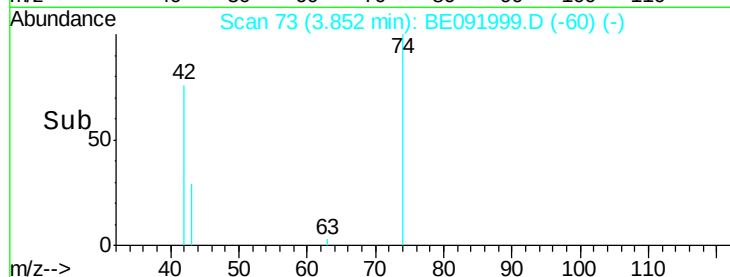
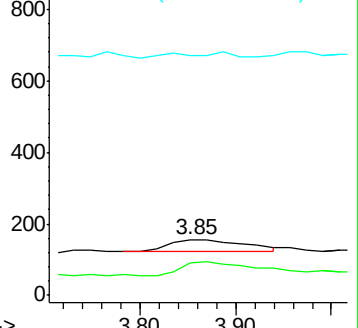
44 18.2 5.0 7.6#



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: 0.06 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

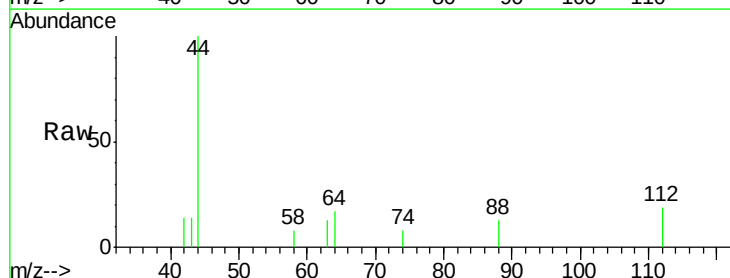
Tgt Ion: 112 Resp: 315

Ion Ratio Lower Upper

112 100

64 72.7 53.7 80.5

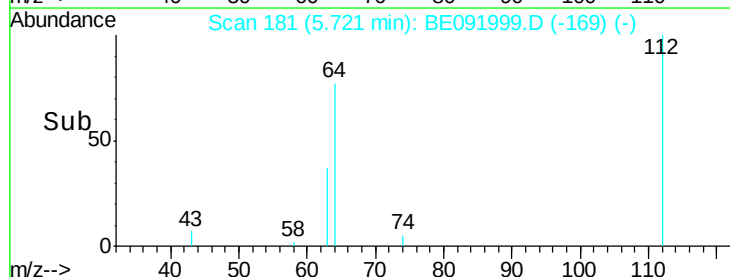
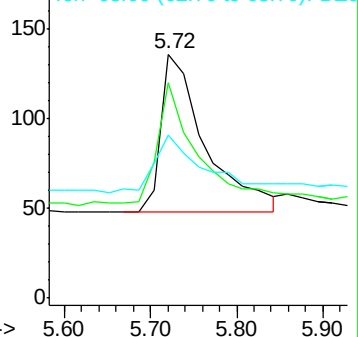
63 39.4 29.5 44.3

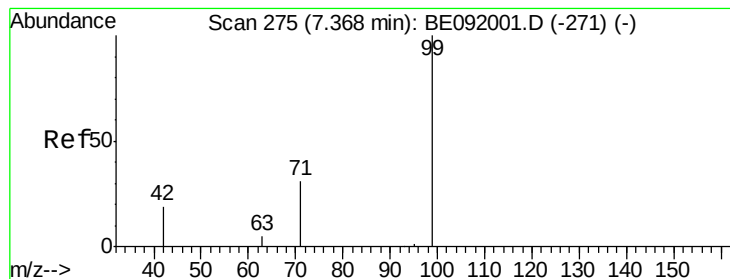


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.06 ng

RT: 7.38 min Scan# 276

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

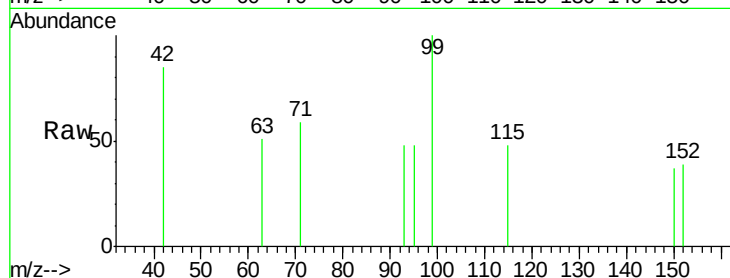
Tgt Ion: 99 Resp: 436

Ion Ratio Lower Upper

99 100

42 26.1 19.6 29.4

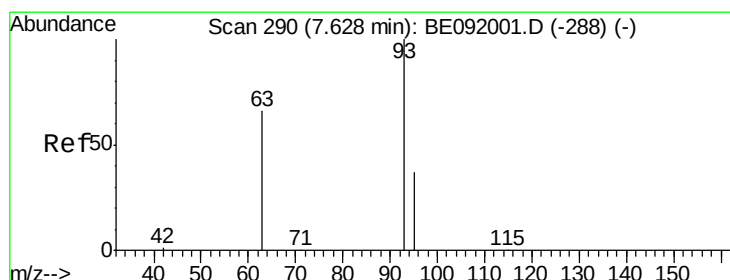
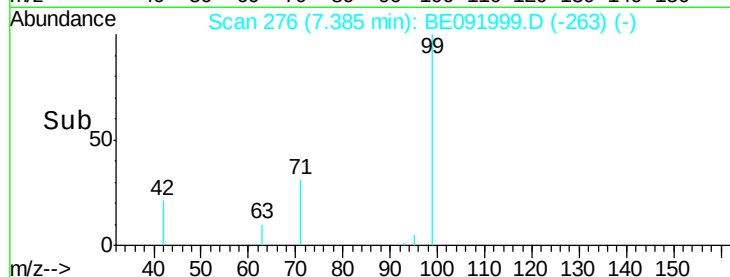
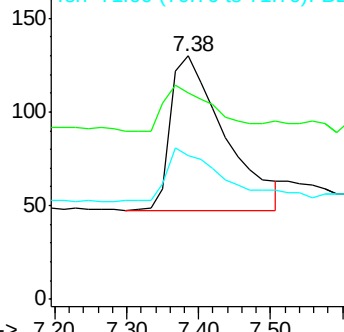
71 33.5 28.1 42.1



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: 0.08 ng

RT: 7.63 min Scan# 290

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

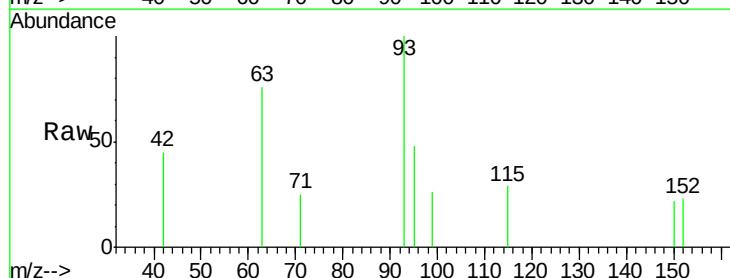
Tgt Ion: 93 Resp: 493

Ion Ratio Lower Upper

93 100

63 76.7 66.2 99.4

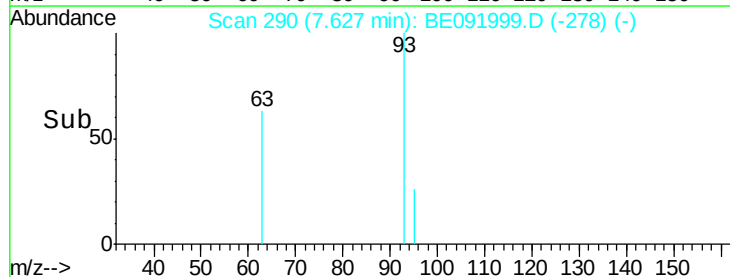
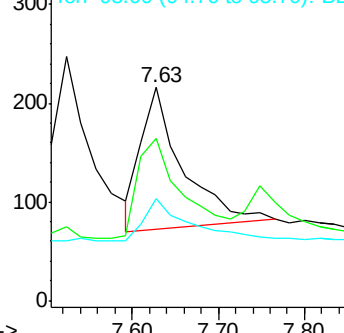
95 33.1 25.5 38.3

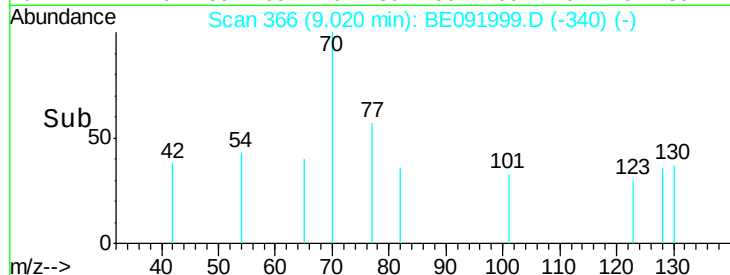
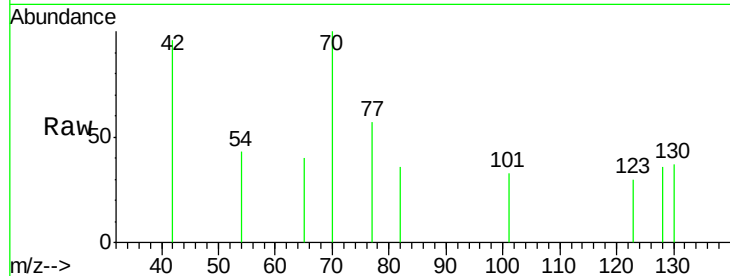
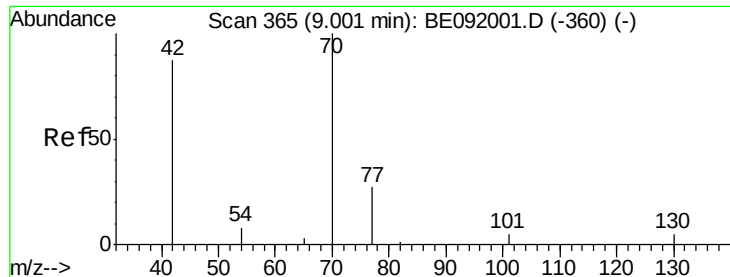


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.07 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

Tgt Ion: 70 Resp: 440

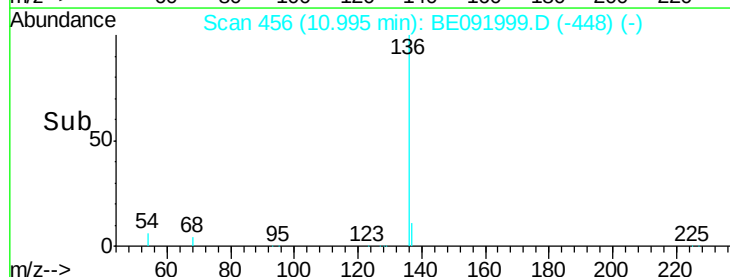
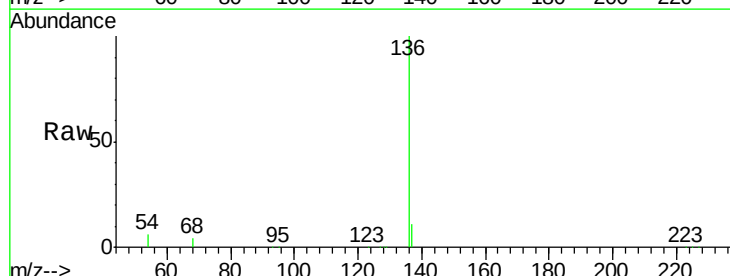
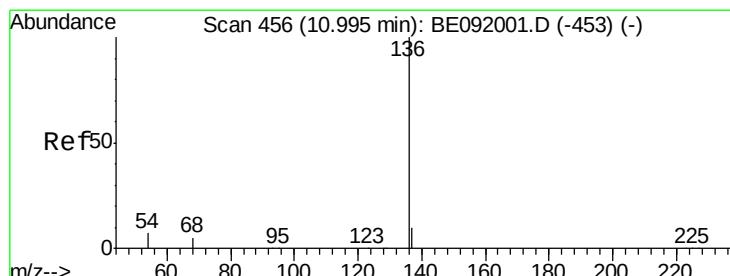
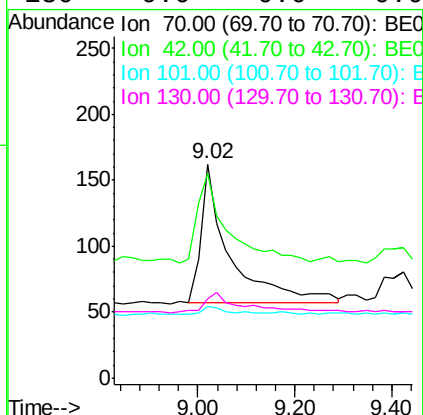
Ion Ratio Lower Upper

70 100

42 68.0 58.4 87.6

101 0.0 6.4 9.6#

130 0.0 0.0 0.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.00 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Tgt Ion: 136 Resp: 101904

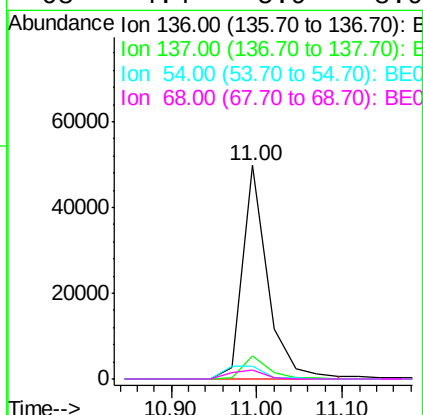
Ion Ratio Lower Upper

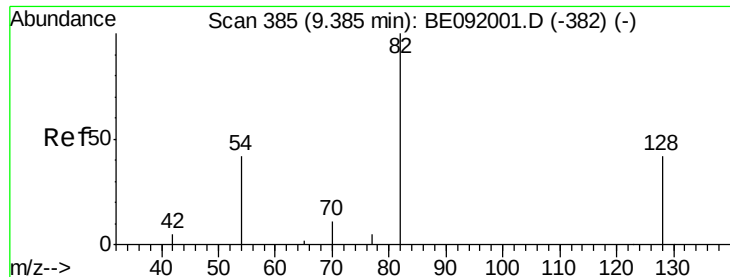
136 100

137 10.6 8.3 12.5

54 5.9 8.2 12.4#

68 4.4 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.07 ng

RT: 9.38 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

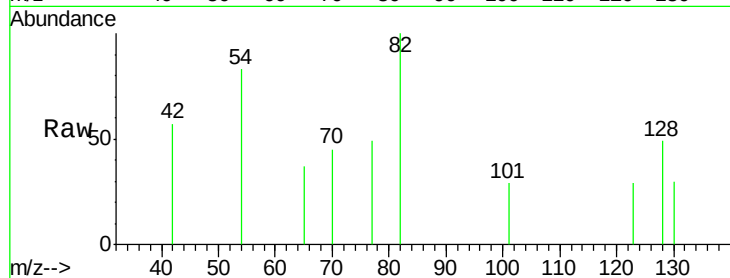
Tgt Ion: 82 Resp: 471

Ion Ratio Lower Upper

82 100

128 49.1 39.5 59.3

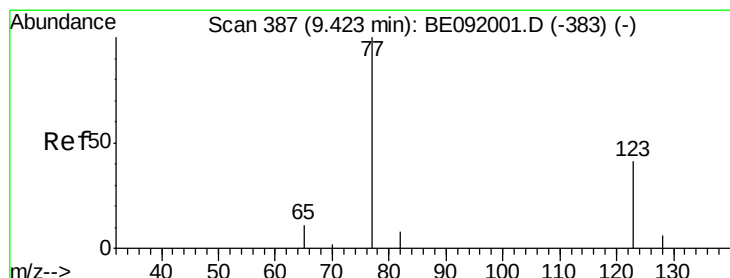
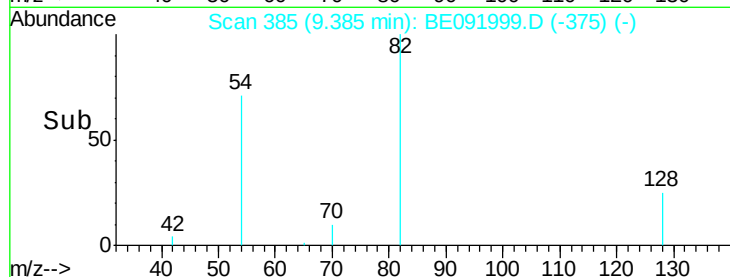
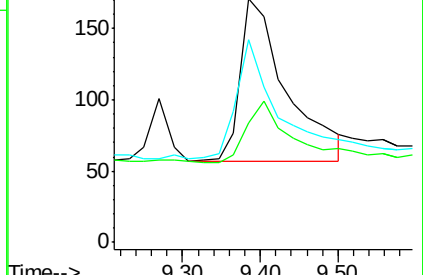
54 83.0 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.07 ng

RT: 9.42 min Scan# 387

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

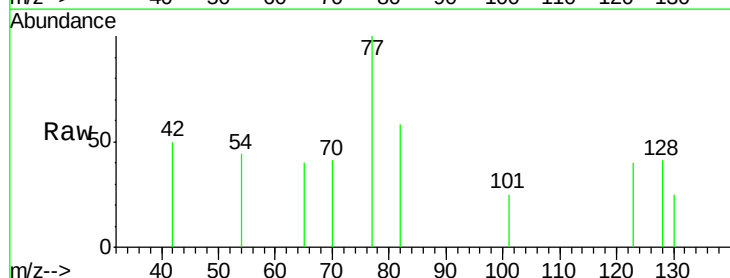
Tgt Ion: 77 Resp: 496

Ion Ratio Lower Upper

77 100

123 37.7 0.0 0.0#

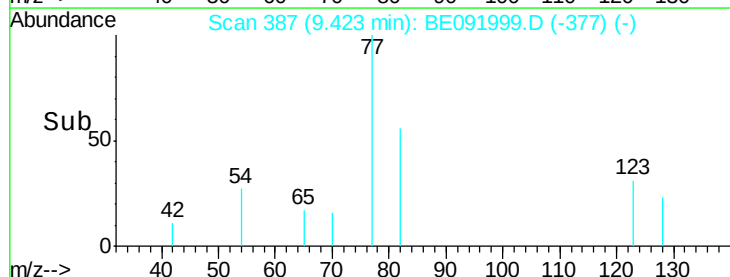
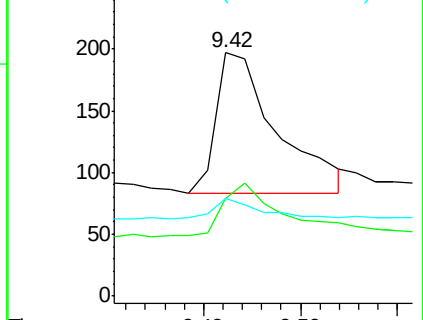
65 13.1 11.1 16.7

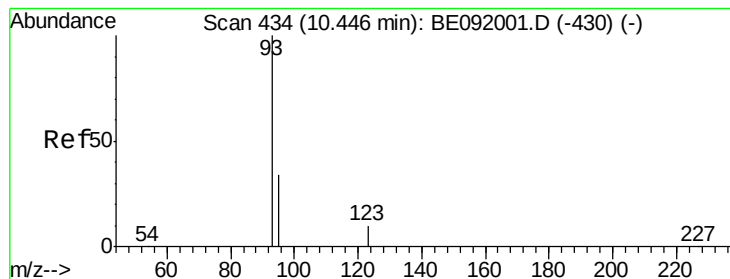


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.07 ng

RT: 10.50 min Scan# 436

Delta R.T. 0.05 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

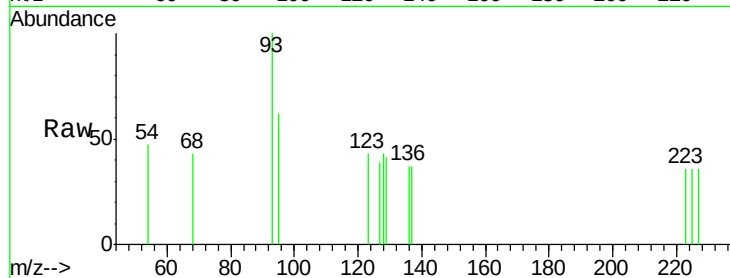
Tgt Ion: 93 Resp: 638

Ion Ratio Lower Upper

93 100

95 26.8 57.6 86.4#

123 9.9 100.2 150.4#

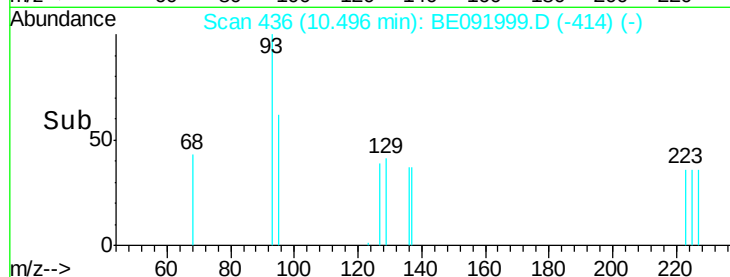


Abundance Ion 93.00 (92.70 to 93.70): BE092001.D (-430) (-)

Ion 95.00 (94.70 to 95.70): BE092001.D (-430) (-)

Ion 123.00 (122.70 to 123.70): BE092001.D (-430) (-)

Time-->

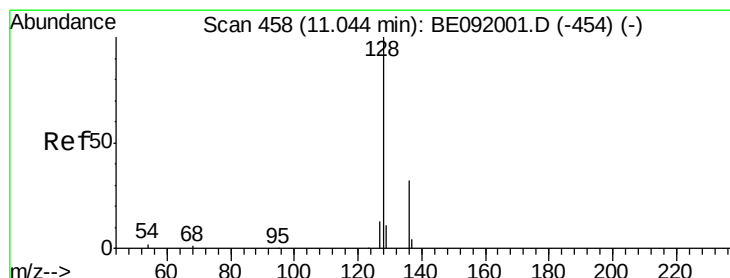


Abundance Ion 93.00 (92.70 to 93.70): BE091999.D (-414) (-)

Ion 95.00 (94.70 to 95.70): BE091999.D (-414) (-)

Ion 123.00 (122.70 to 123.70): BE091999.D (-414) (-)

Time-->



#12

Naphthalene

Concen: 0.10 ng

RT: 11.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

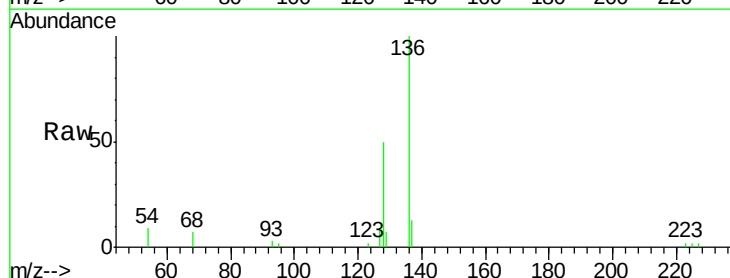
Tgt Ion: 128 Resp: 2422

Ion Ratio Lower Upper

128 100

129 14.6 10.4 15.6

127 15.7 10.2 15.2#

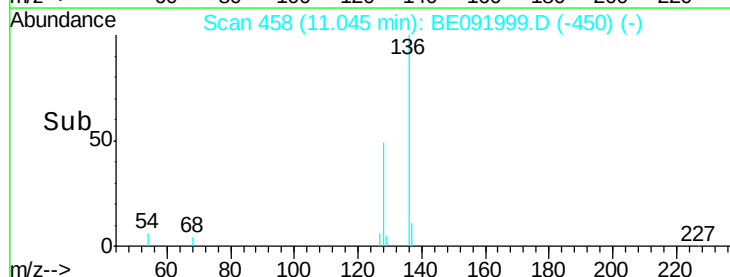


Abundance Ion 128.00 (127.70 to 128.70): BE092001.D (-454) (-)

Ion 129.00 (128.70 to 129.70): BE092001.D (-454) (-)

Ion 127.00 (126.70 to 127.70): BE092001.D (-454) (-)

Time-->

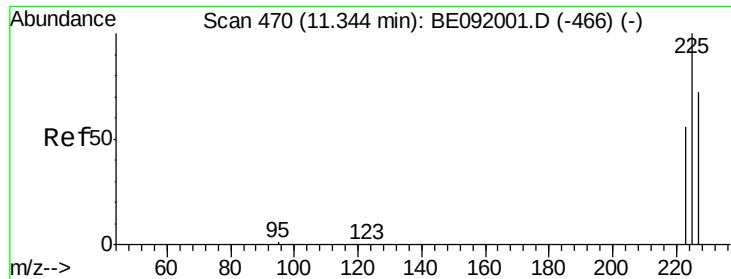


Abundance Ion 128.00 (127.70 to 128.70): BE091999.D (-450) (-)

Ion 129.00 (128.70 to 129.70): BE091999.D (-450) (-)

Ion 127.00 (126.70 to 127.70): BE091999.D (-450) (-)

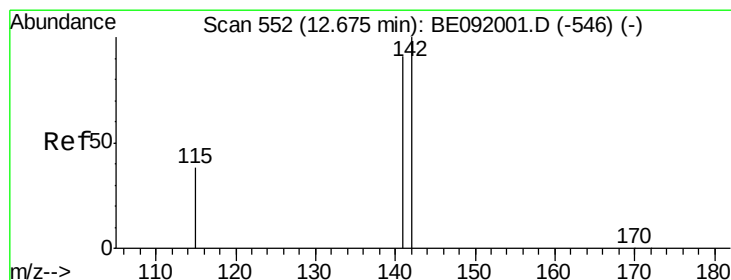
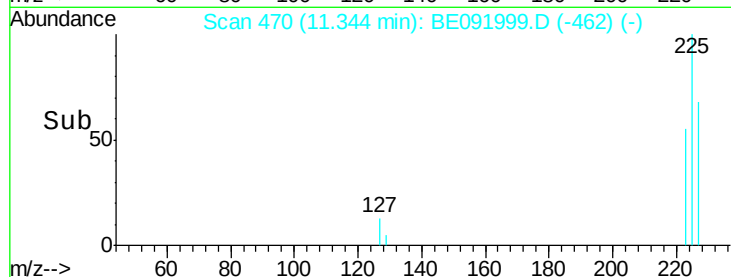
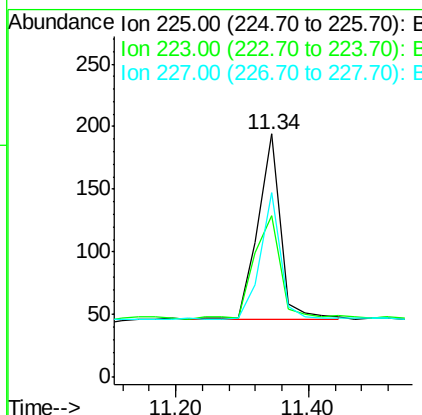
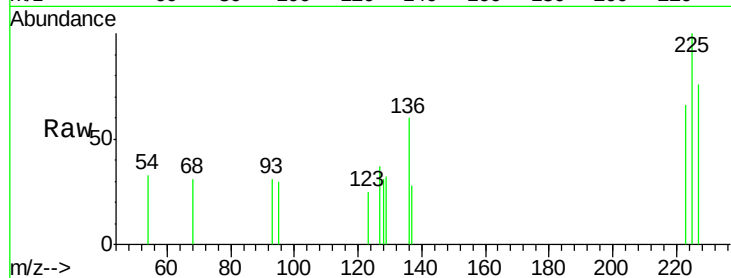
Time-->



#13
Hexachlorobutadiene
Concen: 0.10 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091999.D
Acq: 22 Jul 2016 9:40

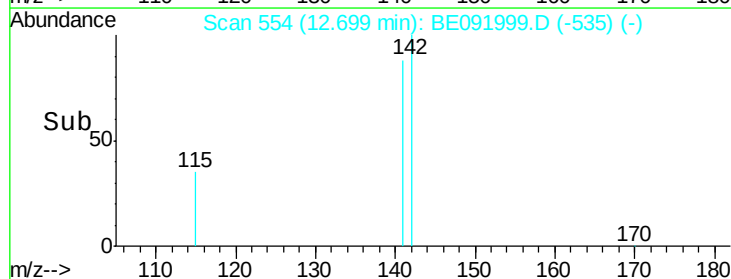
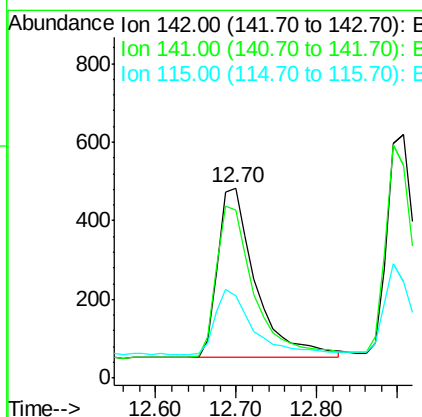
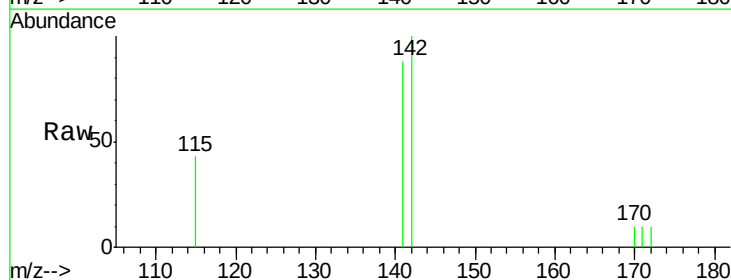
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

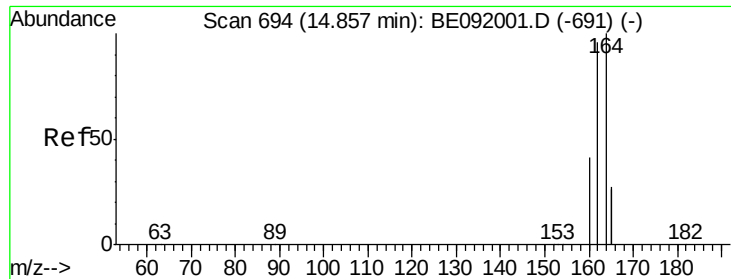
Tgt Ion: 225 Resp: 350
Ion Ratio Lower Upper
225 100
223 66.3 49.8 74.8
227 61.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.70 min Scan# 554
Delta R.T. 0.02 min
Lab File: BE091999.D
Acq: 22 Jul 2016 9:40

Tgt Ion: 142 Resp: 1409
Ion Ratio Lower Upper
142 100
141 88.4 71.9 107.9
115 43.5 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: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

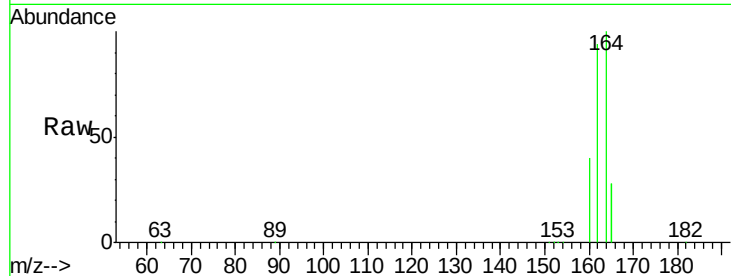
Tgt Ion:164 Resp: 67052

Ion Ratio Lower Upper

164 100

162 94.5 71.8 107.8

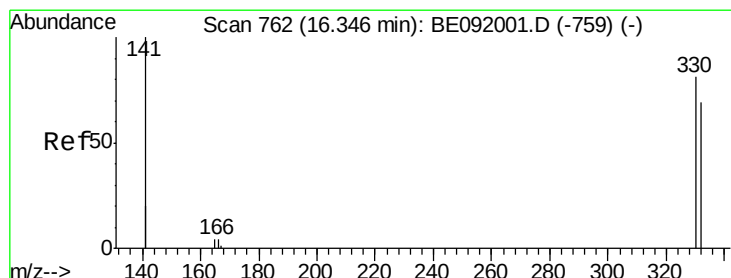
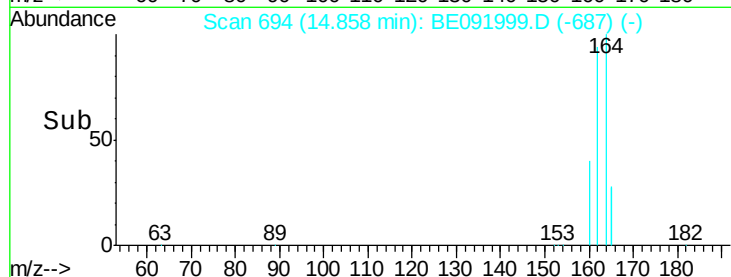
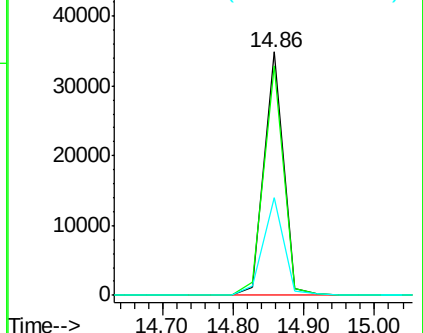
160 40.0 28.0 42.0



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: 0.05 ng

RT: 16.36 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

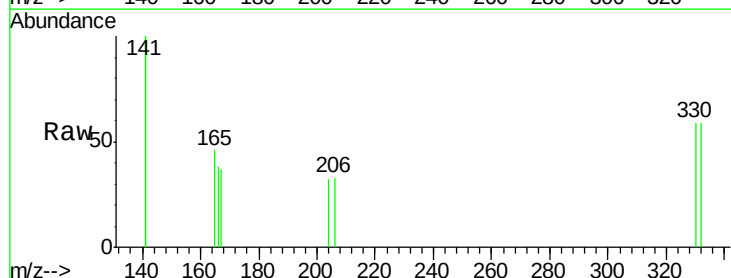
Tgt Ion:330 Resp: 103

Ion Ratio Lower Upper

330 100

332 101.0 77.0 115.6

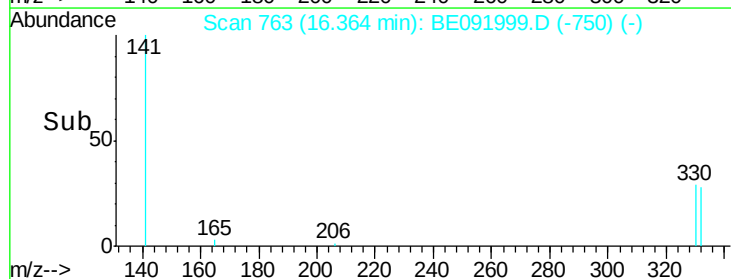
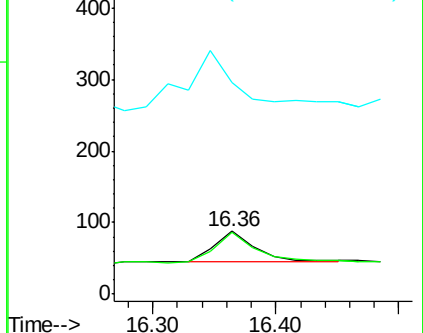
141 198.1 138.4 207.6

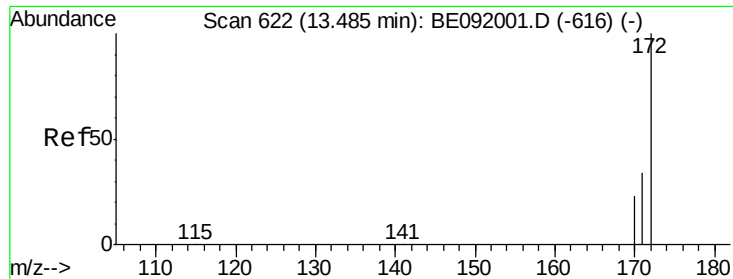


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

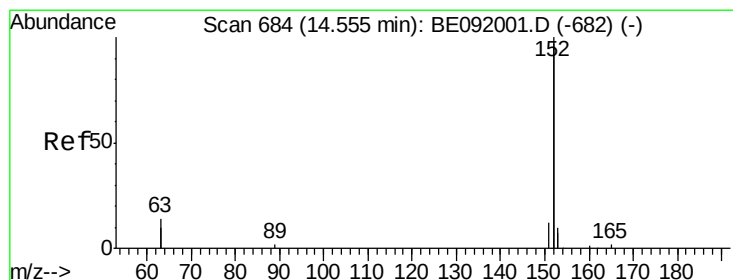
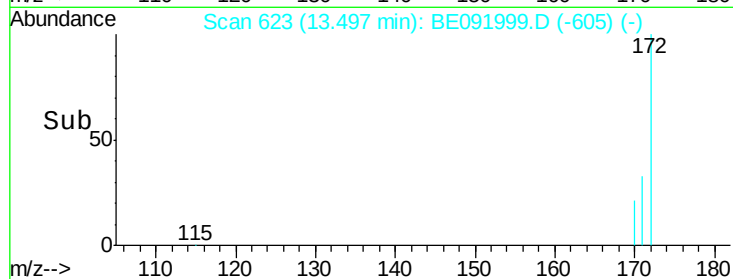
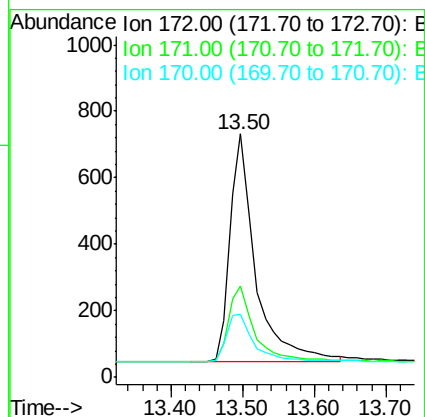
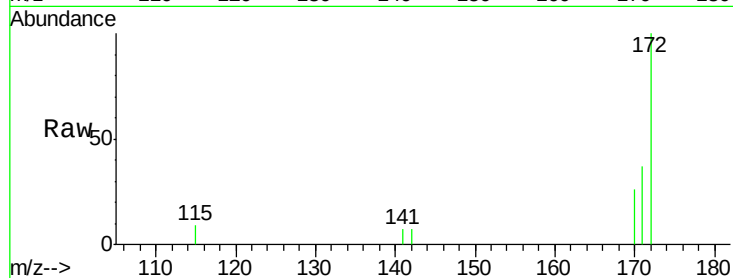




#17
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.50 min Scan# 623
Delta R.T. 0.01 min
Lab File: BE091999.D
Acq: 22 Jul 2016 9:40

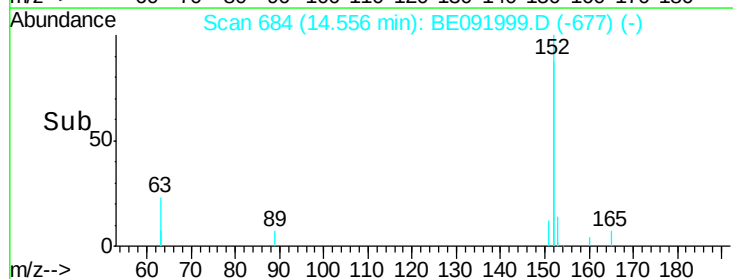
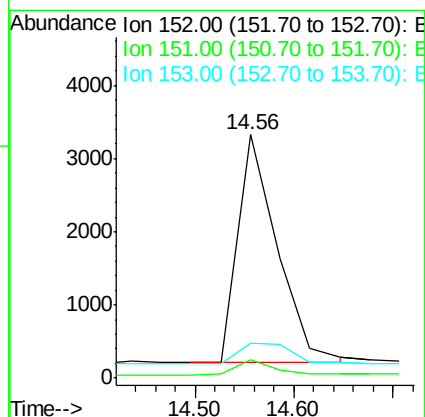
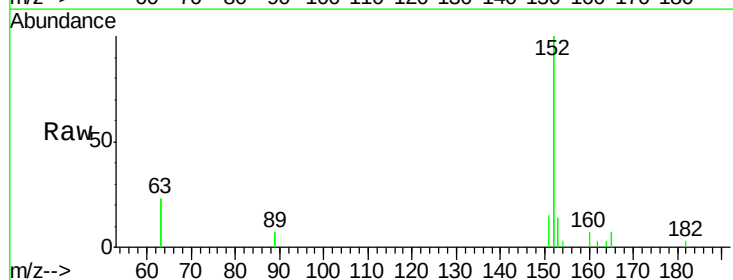
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

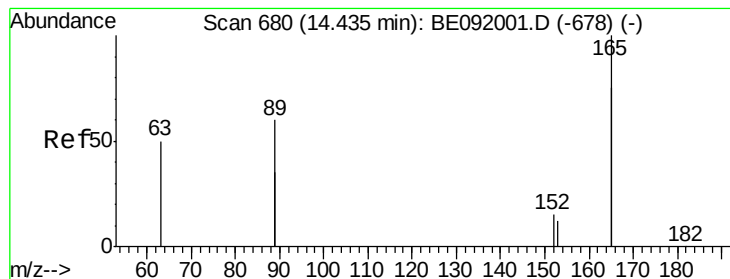
Tgt Ion:172 Resp: 1703
Ion Ratio Lower Upper
172 100
171 37.4 24.3 36.5#
170 26.1 14.9 22.3#



#18
Acenaphthylene
Concen: 0.10 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091999.D
Acq: 22 Jul 2016 9:40

Tgt Ion:152 Resp: 8676
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 12.1 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.05 ng

RT: 14.47 min Scan# 681

Delta R.T. 0.03 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

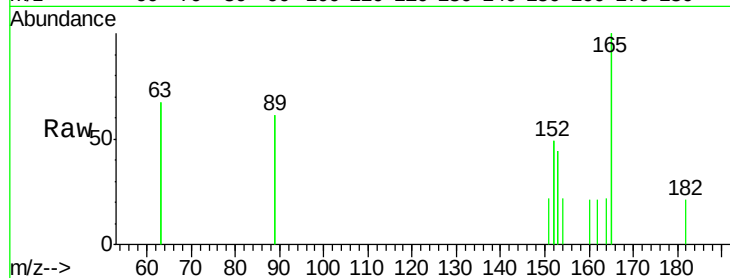
Tgt Ion:165 Resp: 778

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

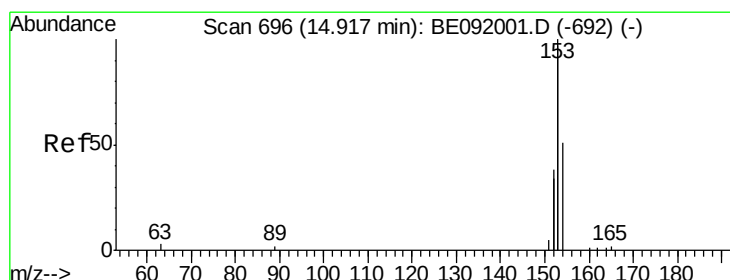
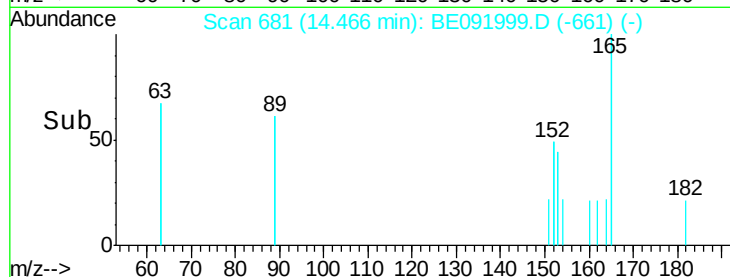
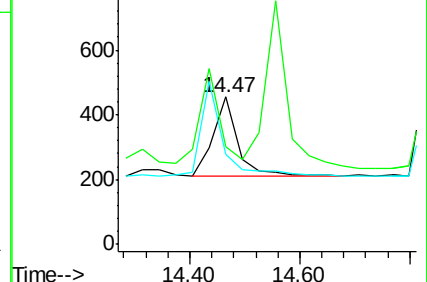
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.11 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

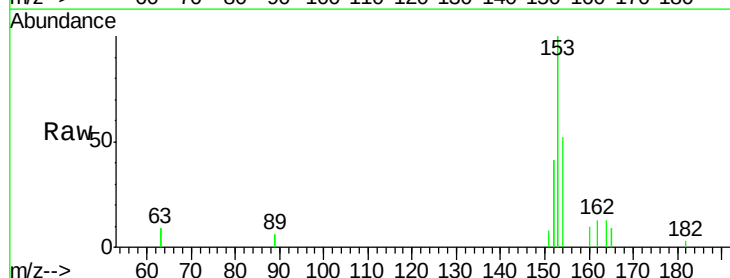
Tgt Ion:154 Resp: 2019

Ion Ratio Lower Upper

154 100

153 370.0 88.1 132.1#

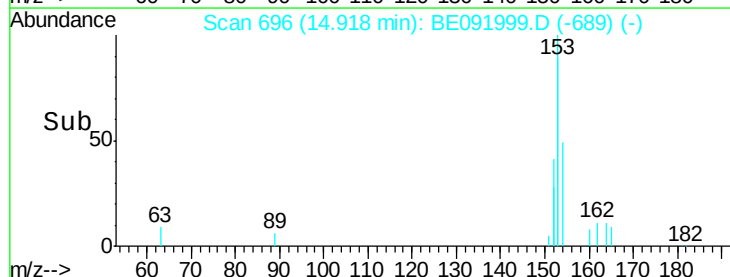
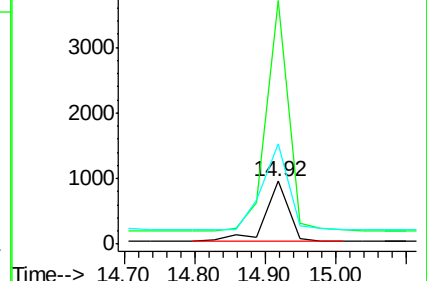
152 166.5 44.2 66.2#

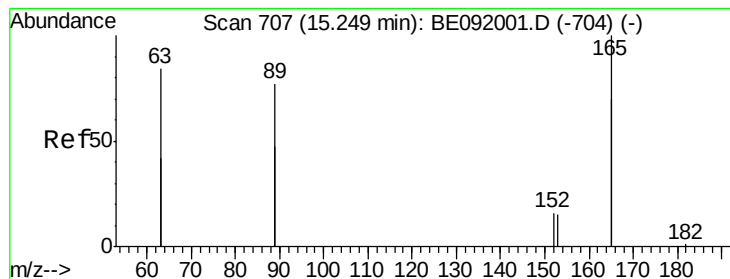


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 2.43 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

Tgt Ion:165 Resp: 36408

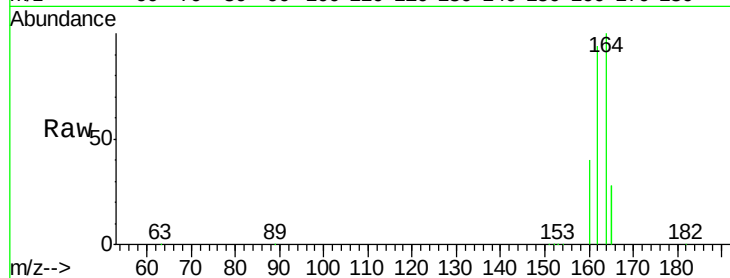
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

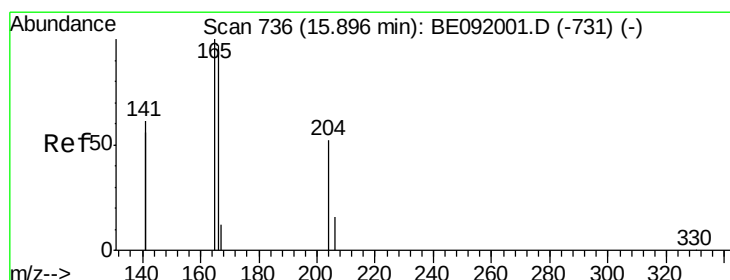
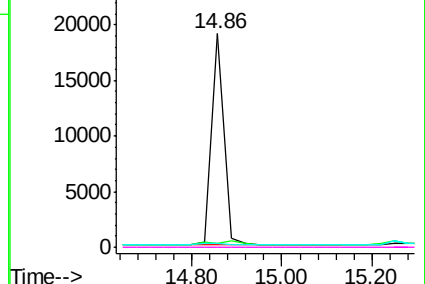
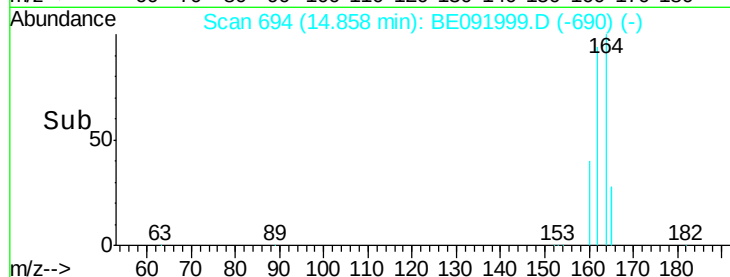


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.11 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

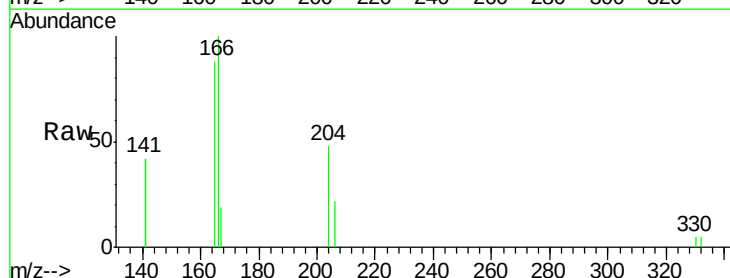
Tgt Ion:166 Resp: 2032

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

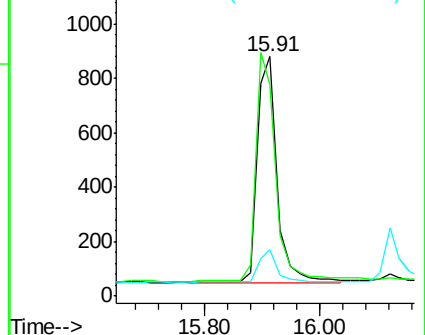
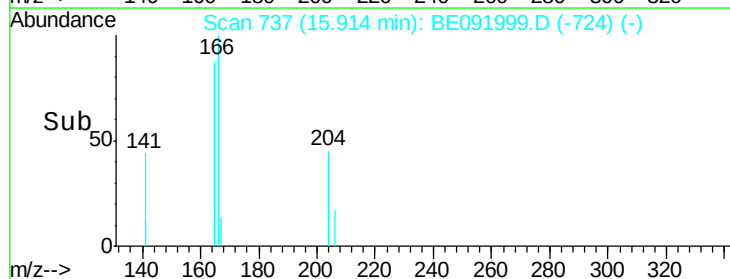
167 13.3 10.8 16.2

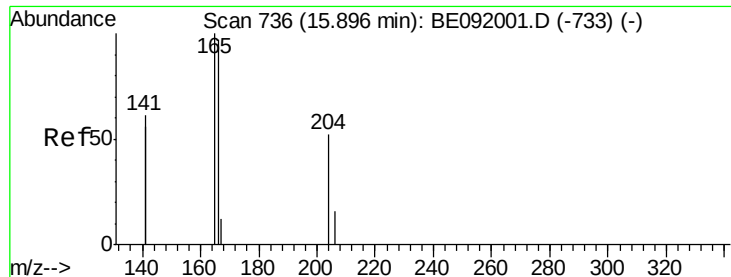


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.11 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

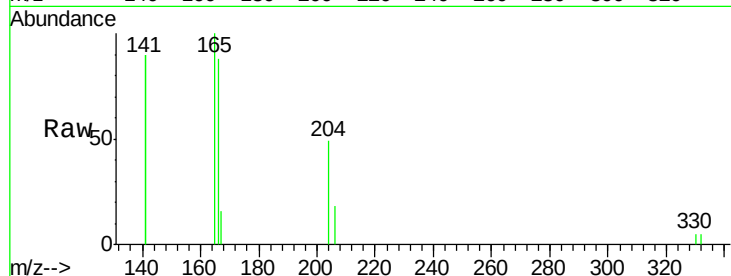
Tgt Ion:204 Resp: 1049

Ion Ratio Lower Upper

204 100

206 34.4 27.8 41.6

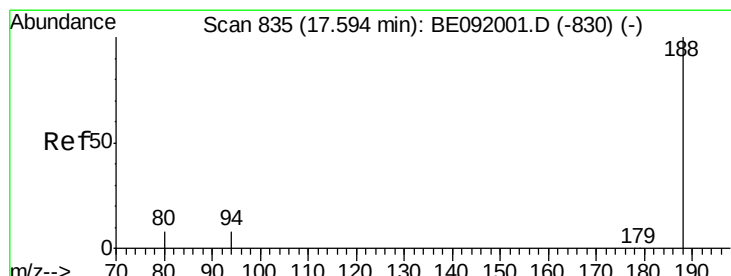
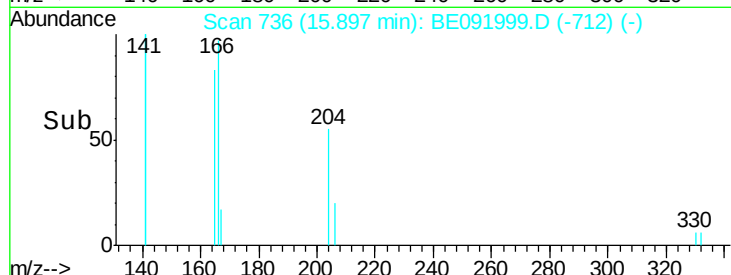
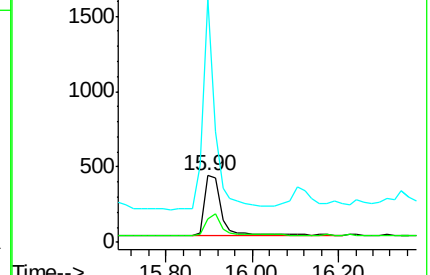
141 257.0 197.6 296.4



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



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

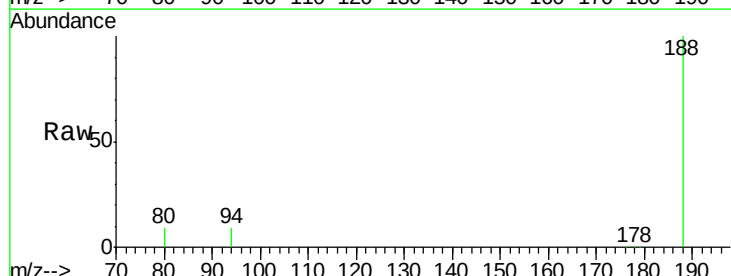
Tgt Ion:188 Resp: 158114

Ion Ratio Lower Upper

188 100

94 8.9 4.1 6.1#

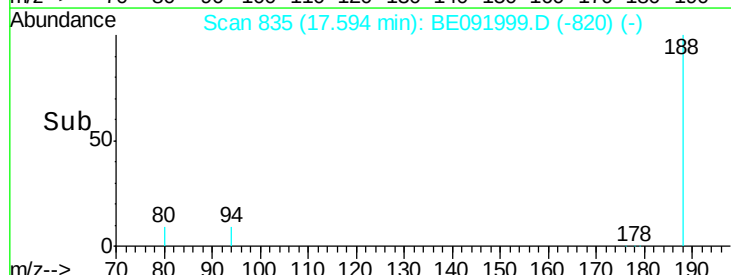
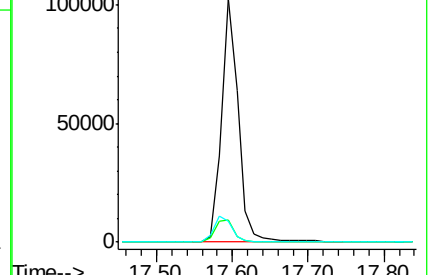
80 8.6 3.4 5.2#

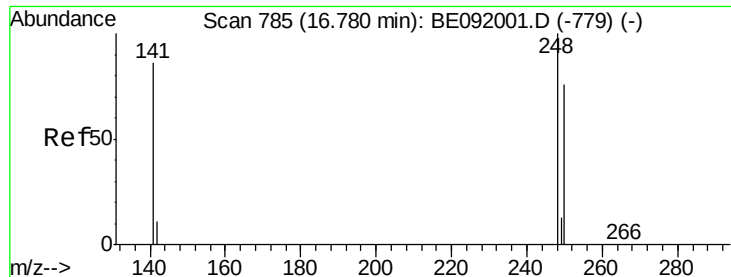


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 0.09 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

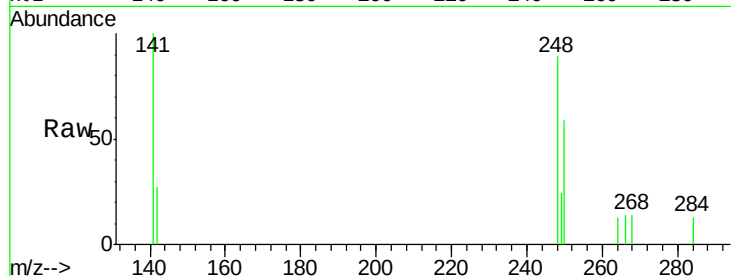
Tgt Ion:248 Resp: 644

Ion Ratio Lower Upper

248 100

250 93.8 75.7 113.5

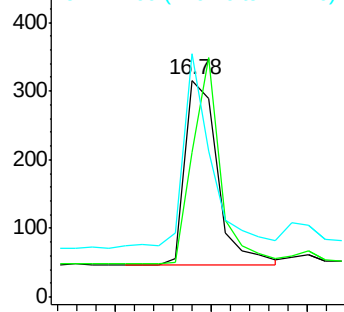
141 89.8 64.6 97.0



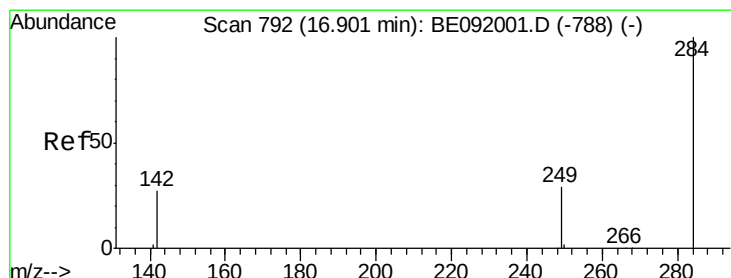
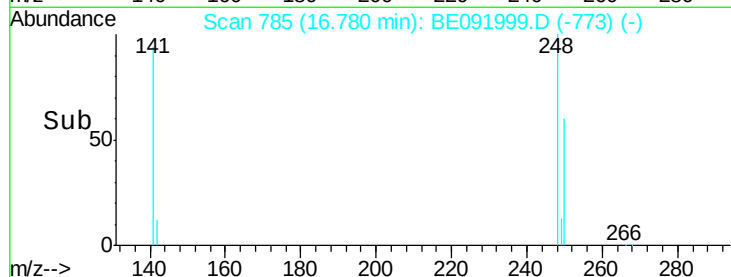
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#26

Hexachlorobenzene

Concen: 0.10 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

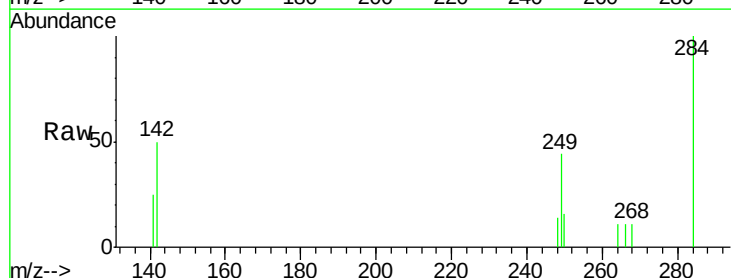
Tgt Ion:284 Resp: 711

Ion Ratio Lower Upper

284 100

142 41.4 31.4 47.2

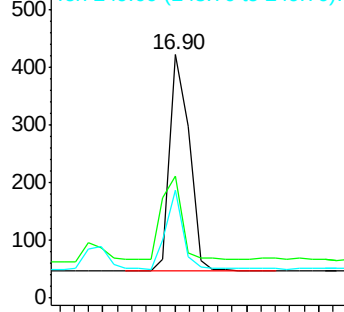
249 31.4 25.3 37.9



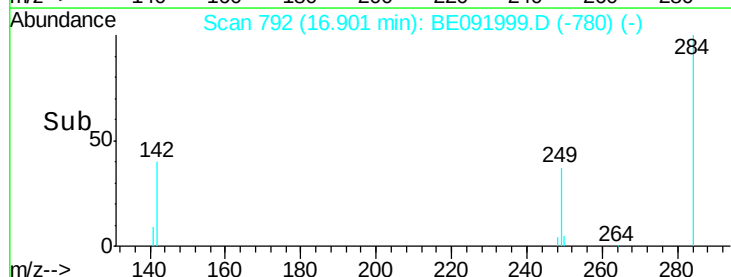
Abundance Ion 283.80 (283.50 to 284.50): E

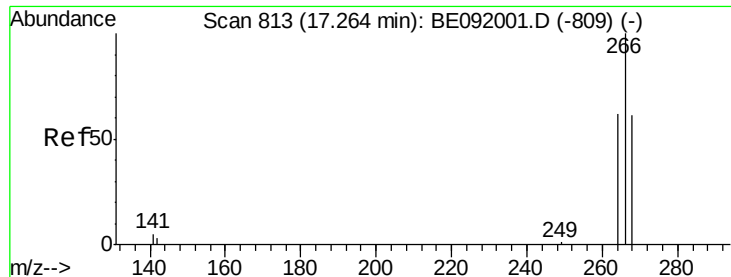
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->





#27

Pentachlorophenol

Concen: 0.03 ng

RT: 17.28 min Scan# 814

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

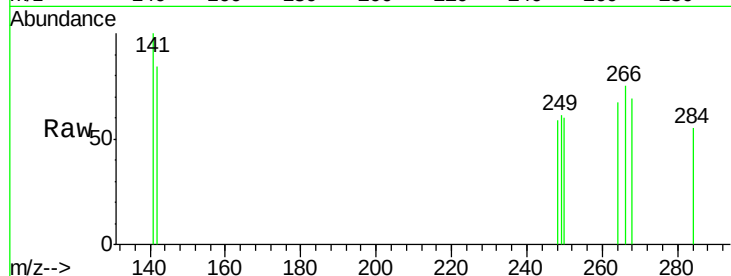
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

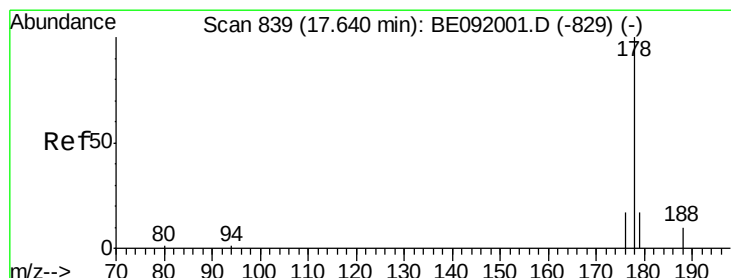
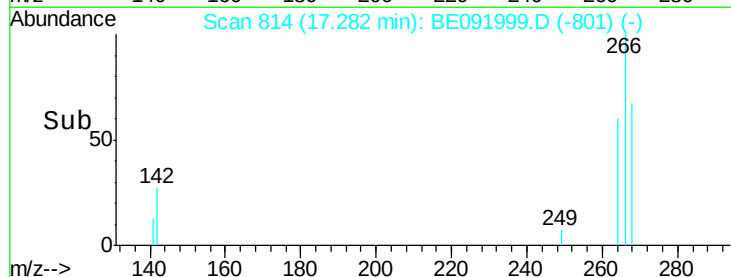
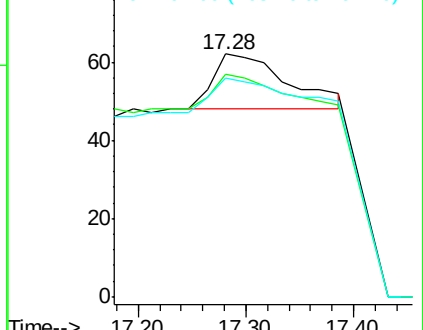
266 100

268 91.9 60.5 90.7#

264 90.3 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: 0.11 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

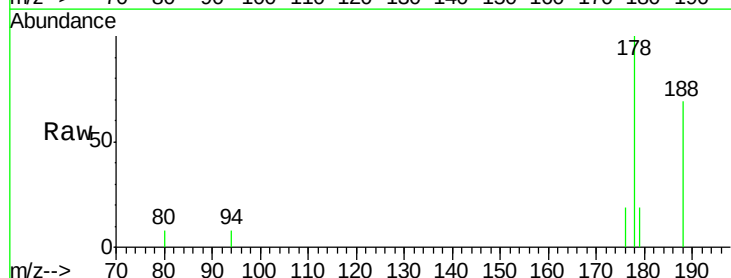
Tgt Ion:178 Resp: 4389

Ion Ratio Lower Upper

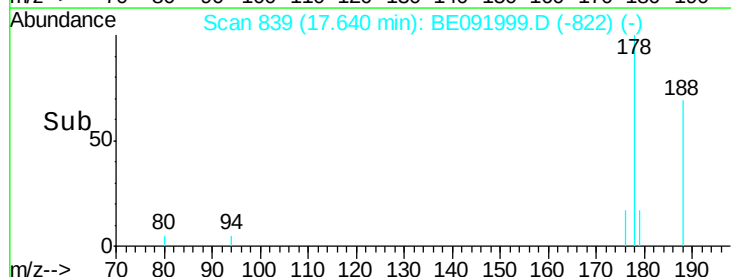
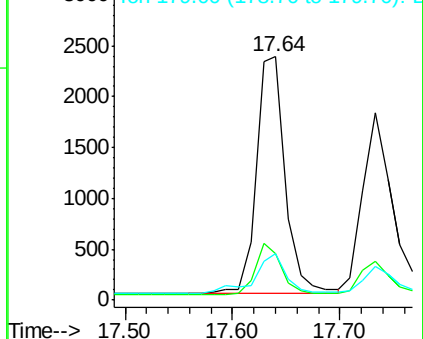
178 100

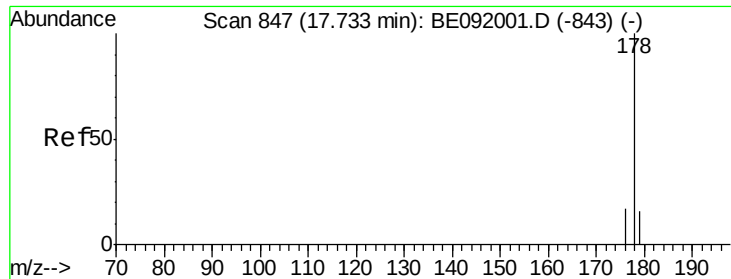
176 19.4 15.4 23.2

179 18.5 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.09 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

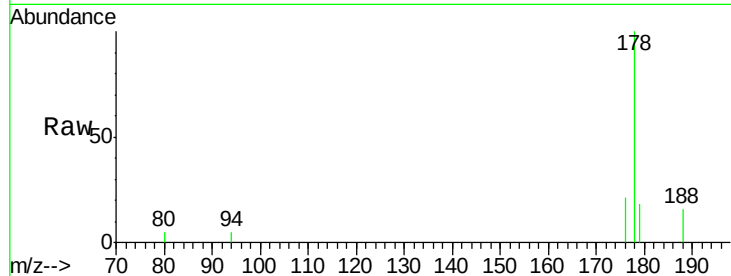
Tgt Ion:178 Resp: 3468

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

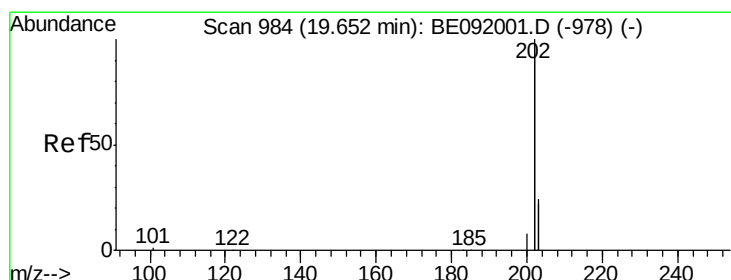
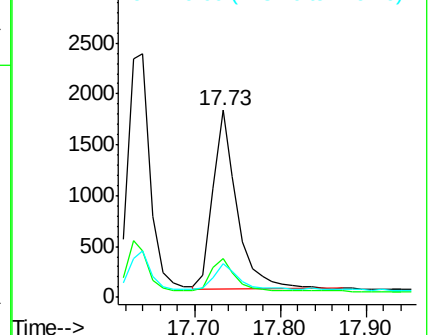
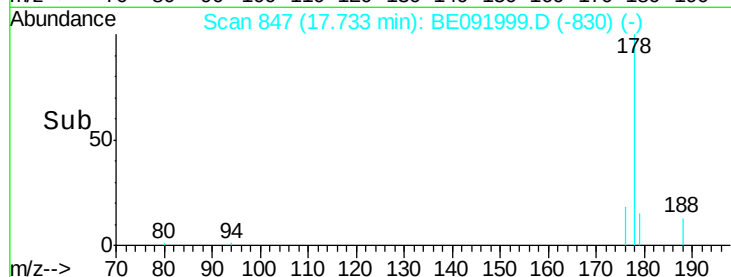
179 14.5 12.1 18.1



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: 0.10 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

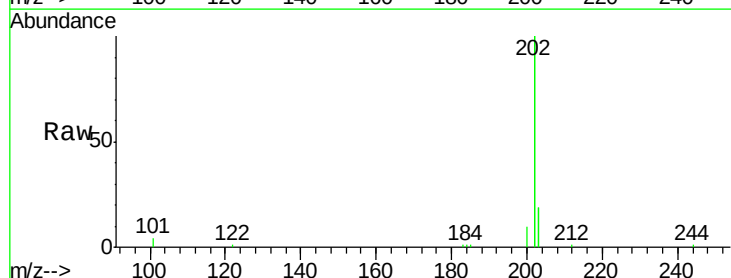
Tgt Ion:202 Resp: 16873

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

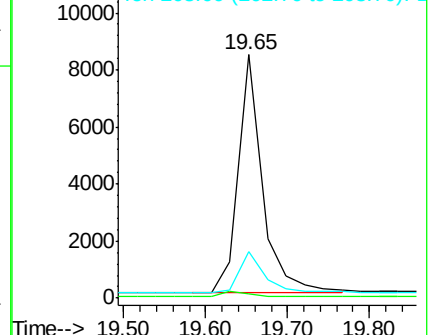
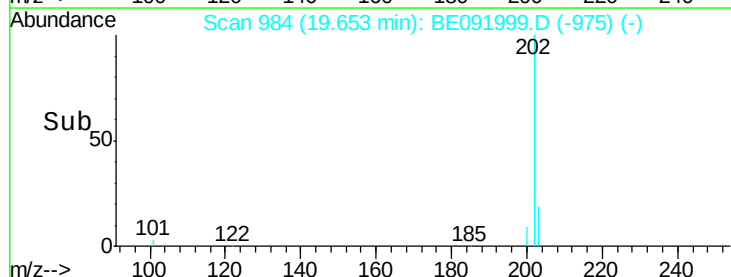
203 17.7 14.3 21.5

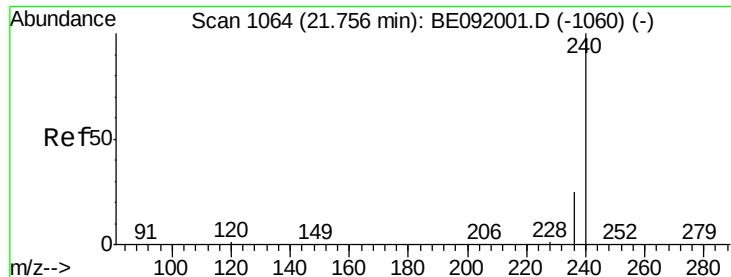


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

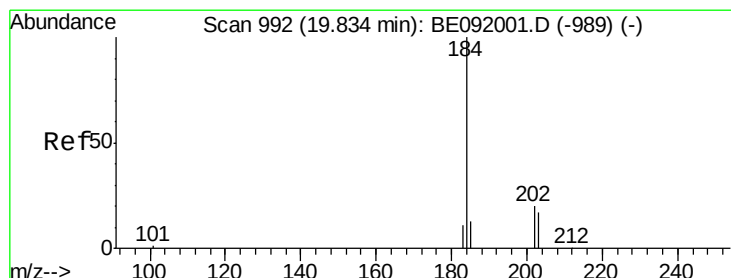
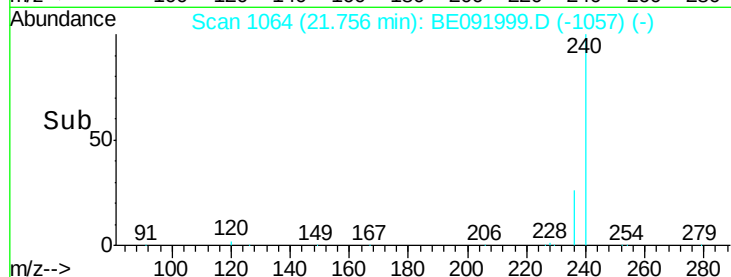
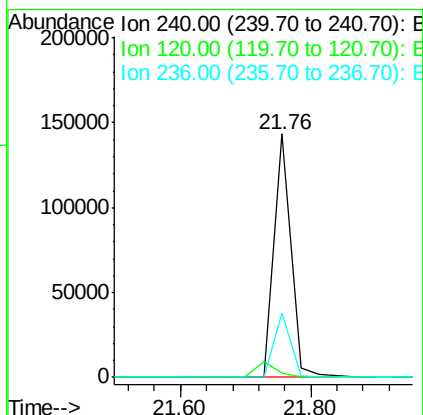
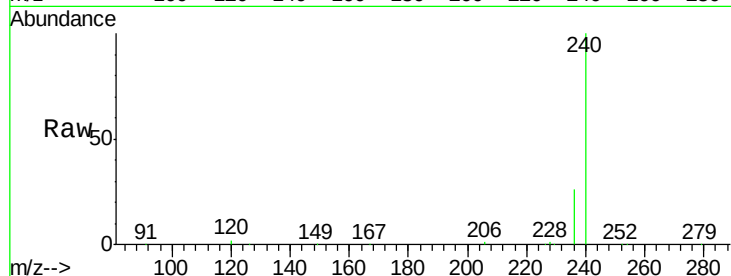




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE091999.D
Acq: 22 Jul 2016 9:40

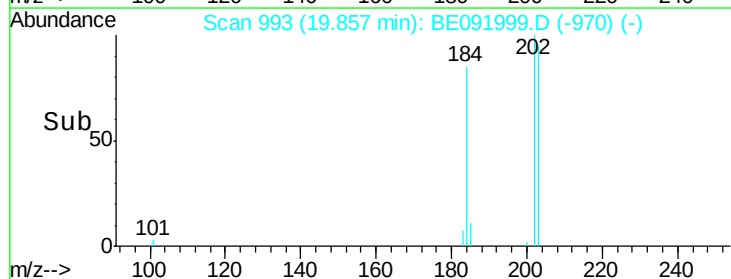
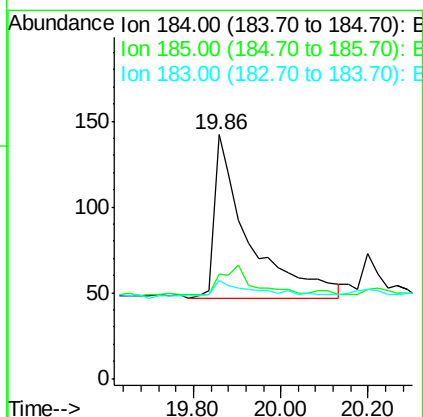
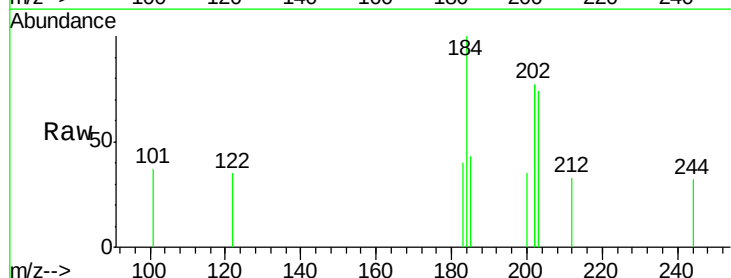
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

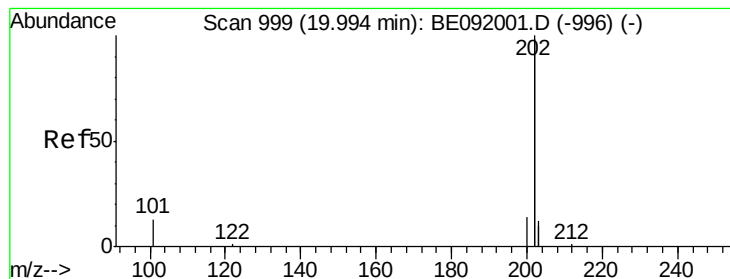
Tgt Ion:240 Resp: 259896
Ion Ratio Lower Upper
240 100
120 1.6 1.2 1.8
236 26.4 19.8 29.8



#32
Benzidine
Concen: 0.03 ng
RT: 19.86 min Scan# 993
Delta R.T. 0.02 min
Lab File: BE091999.D
Acq: 22 Jul 2016 9:40

Tgt Ion:184 Resp: 520
Ion Ratio Lower Upper
184 100
185 43.0 11.4 17.2#
183 40.1 11.8 17.6#





#33

Pyrene

Concen: 0.09 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

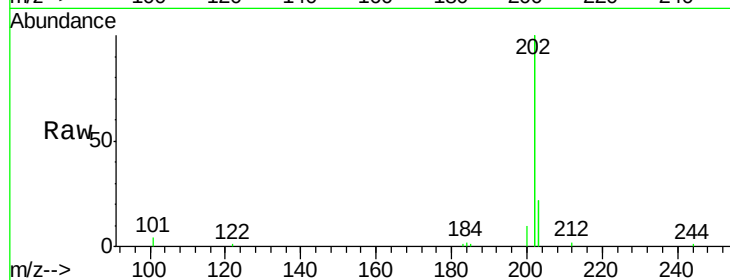
Tgt Ion:202 Resp: 17243

Ion Ratio Lower Upper

202 100

200 5.4 16.9 25.3#

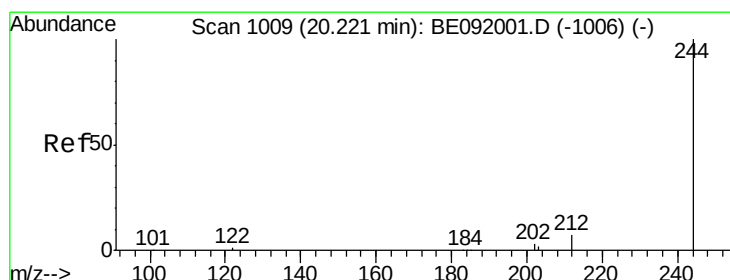
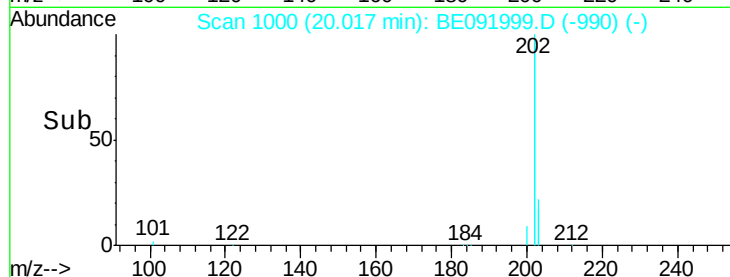
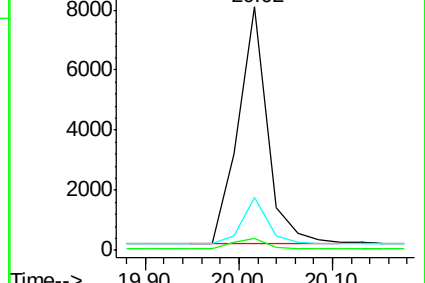
203 17.9 14.1 21.1



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: 0.09 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

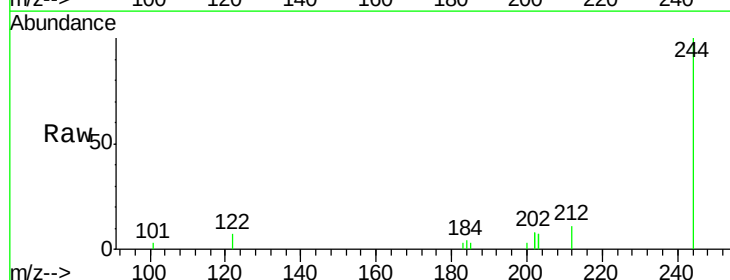
Tgt Ion:244 Resp: 2615

Ion Ratio Lower Upper

244 100

212 10.8 6.5 9.7#

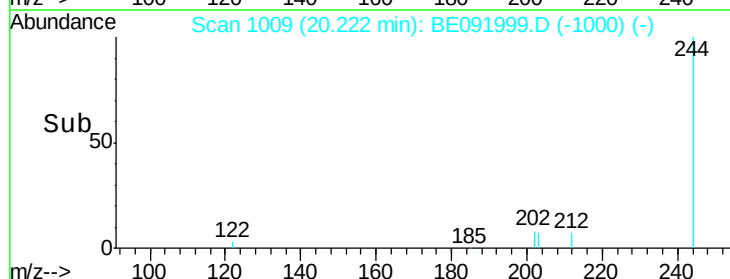
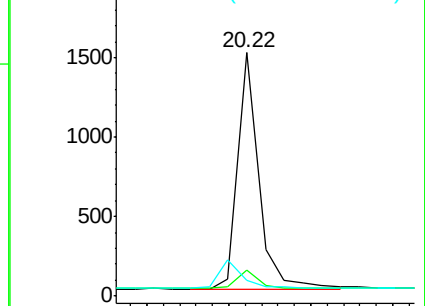
122 6.6 2.9 4.3#

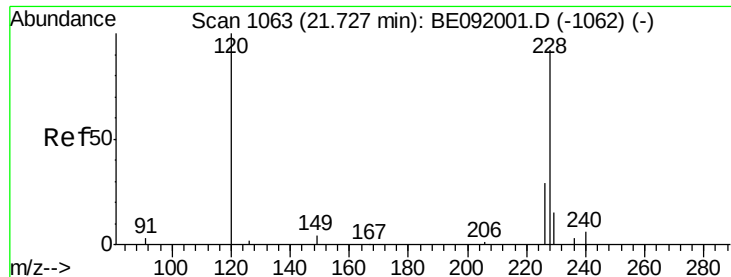


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.27 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

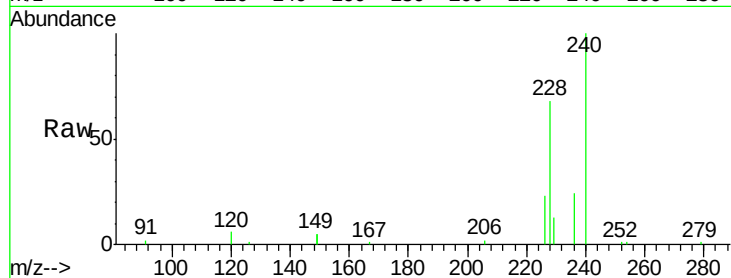
Tgt Ion:228 Resp: 11588

Ion Ratio Lower Upper

228 100

226 33.6 21.0 31.4#

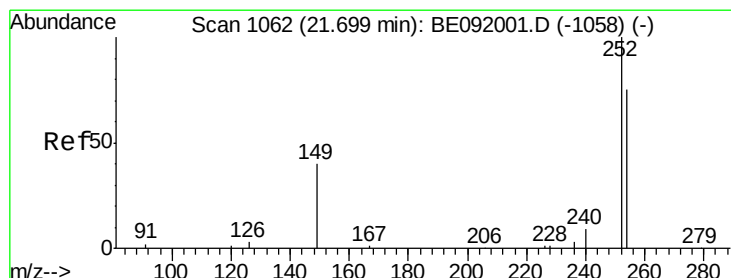
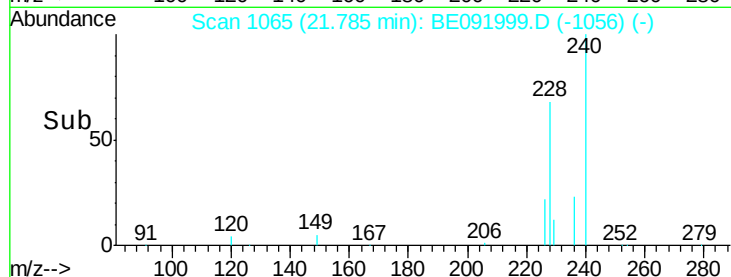
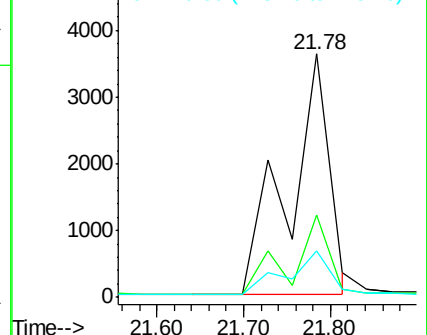
229 19.0 15.8 23.8



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: 0.06 ng

RT: 21.70 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

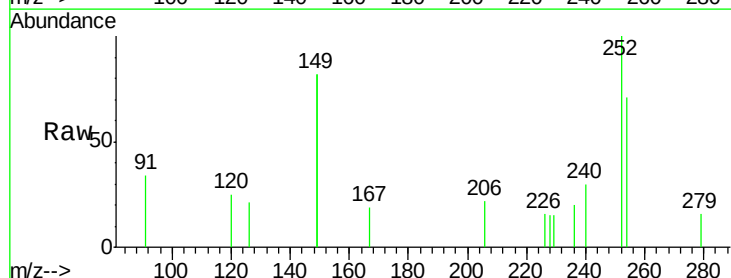
Tgt Ion:252 Resp: 794

Ion Ratio Lower Upper

252 100

254 71.4 61.5 92.3

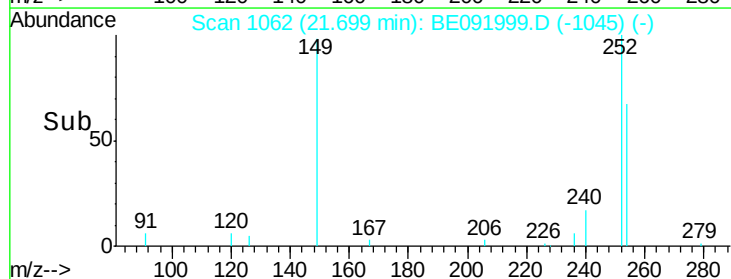
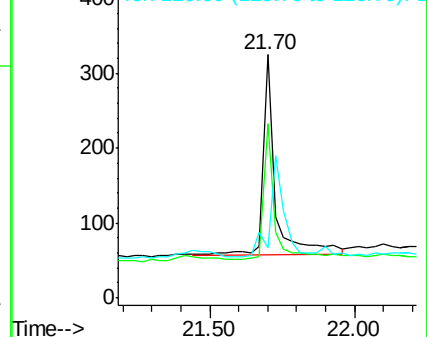
126 20.6 2.5 3.7#

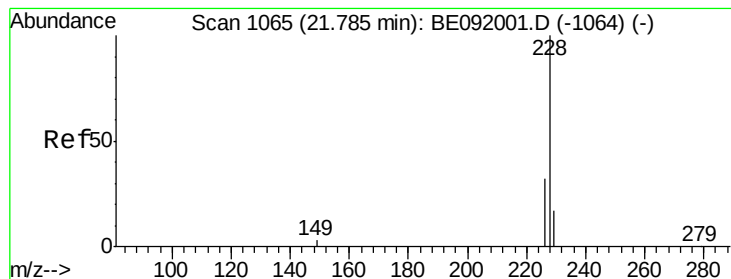


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.19 ng

RT: 21.78 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

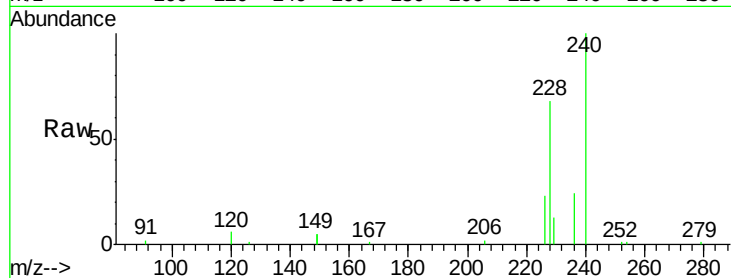
Tgt Ion:228 Resp: 11787

Ion Ratio Lower Upper

228 100

226 33.6 27.0 40.6

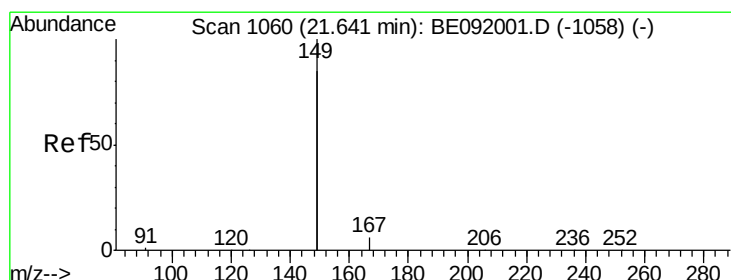
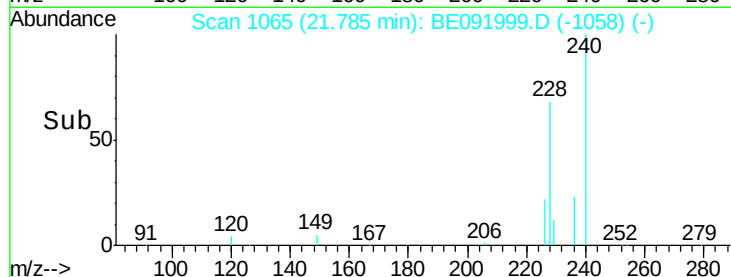
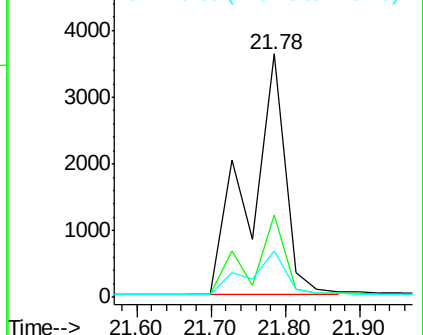
229 19.0 13.8 20.8



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: 0.07 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

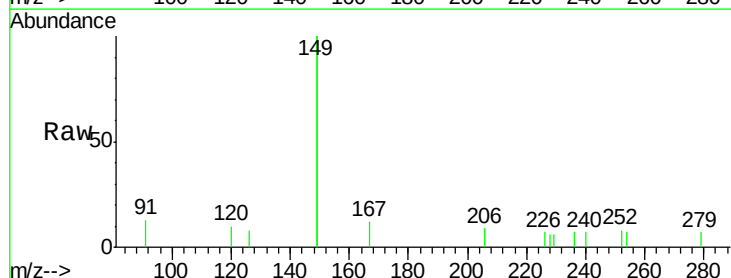
Tgt Ion:149 Resp: 3450

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

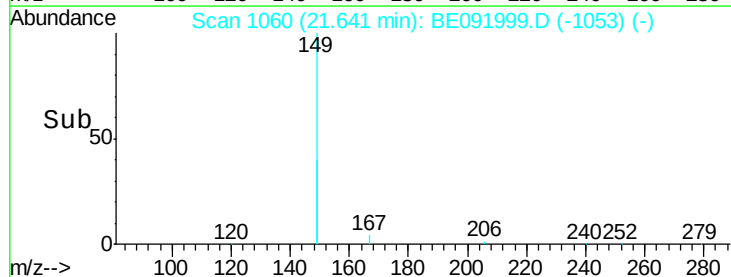
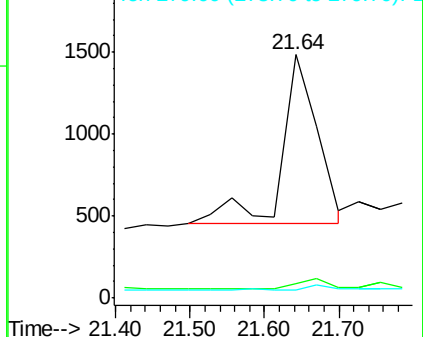
279 0.0 0.0 0.0

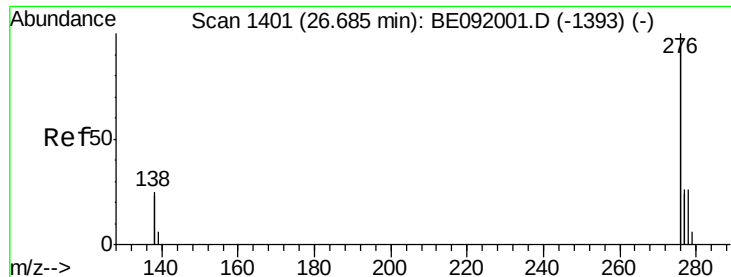


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.07 ng

RT: 26.70 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

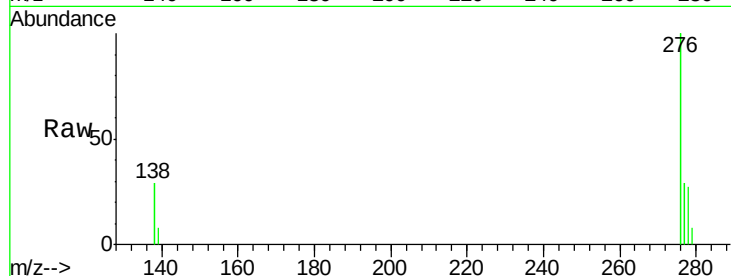
Tgt Ion:276 Resp: 17940

Ion Ratio Lower Upper

276 100

138 27.0 19.7 29.5

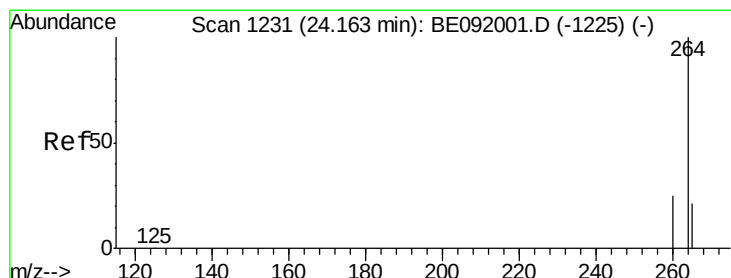
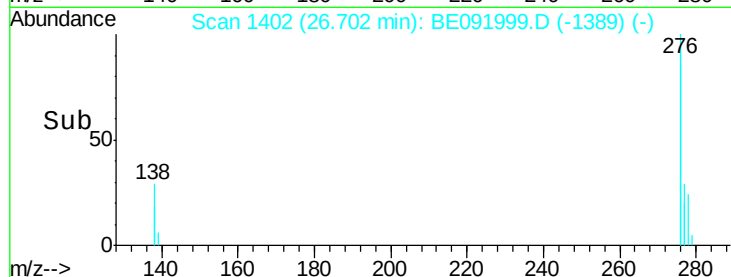
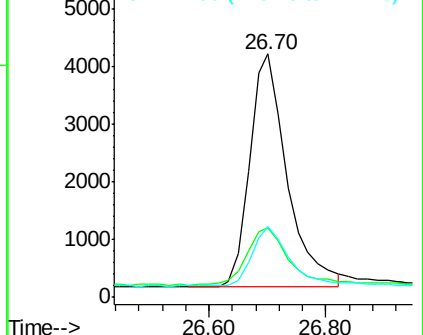
277 25.3 20.1 30.1



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. -0.00 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

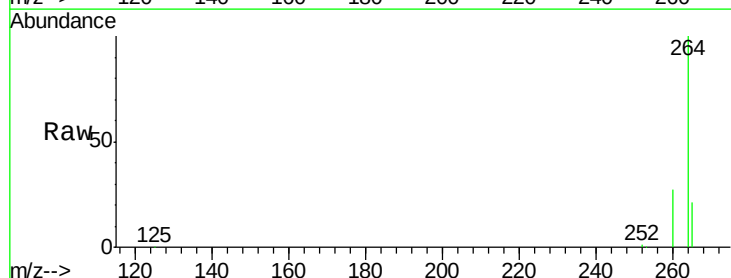
Tgt Ion:264 Resp: 178611

Ion Ratio Lower Upper

264 100

260 26.8 20.3 30.5

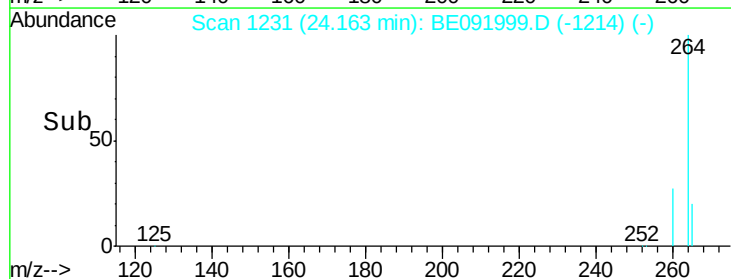
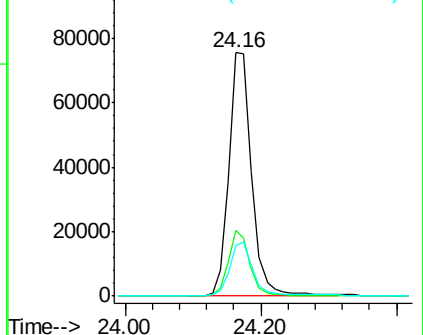
265 20.6 17.6 26.4

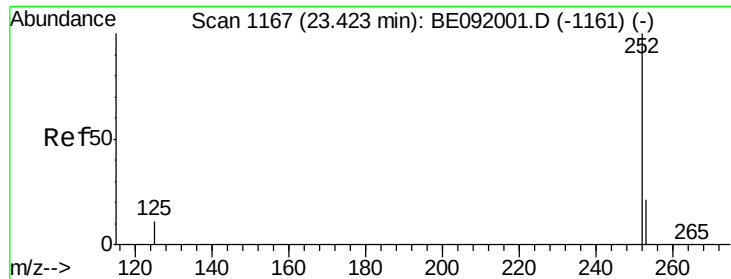


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

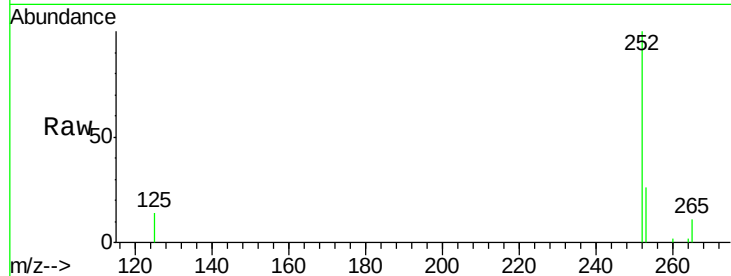
Tgt Ion:252 Resp: 4706

Ion Ratio Lower Upper

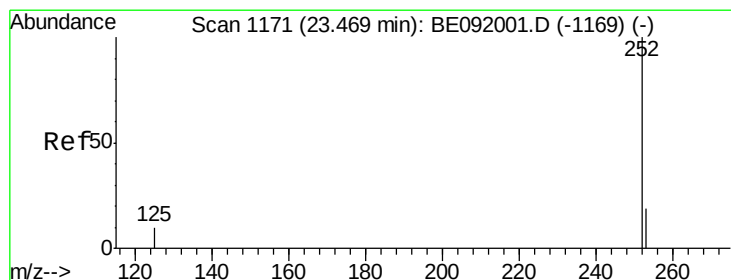
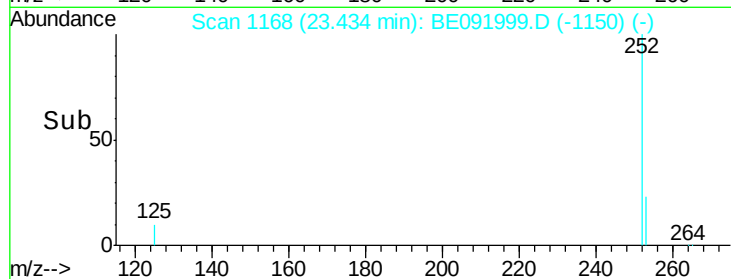
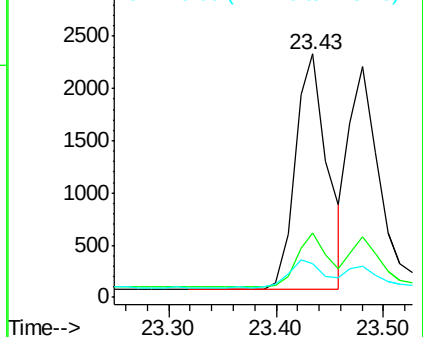
252 100

253 26.2 17.8 26.6

125 14.1 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: 0.09 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

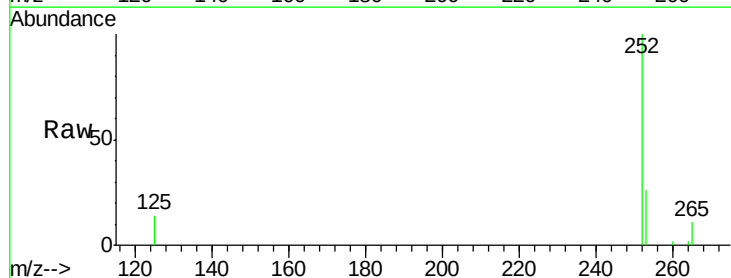
Tgt Ion:252 Resp: 4272

Ion Ratio Lower Upper

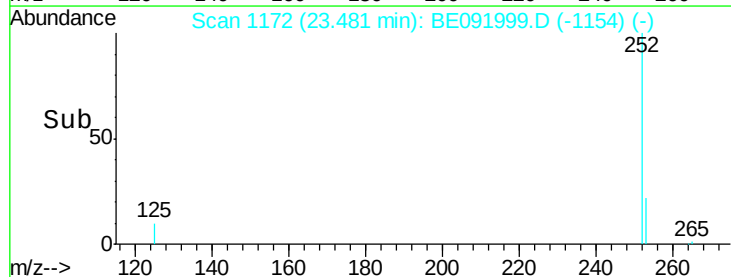
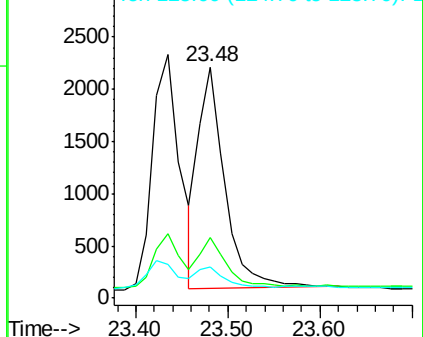
252 100

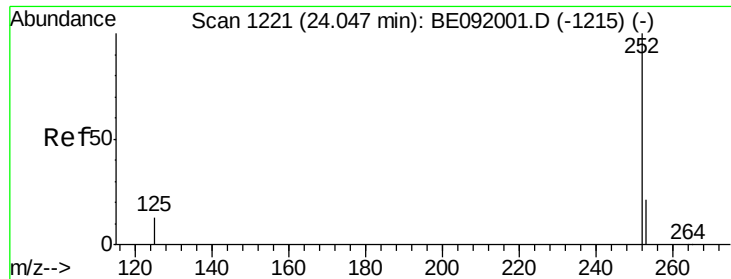
253 26.0 19.4 29.2

125 13.6 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: 0.09 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.01 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

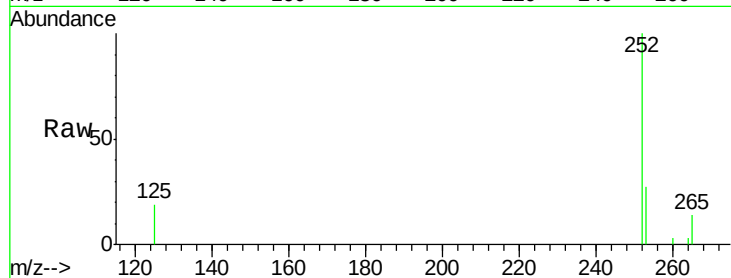
Tgt Ion: 252 Resp: 4146

Ion Ratio Lower Upper

252 100

253 27.4 18.9 28.3

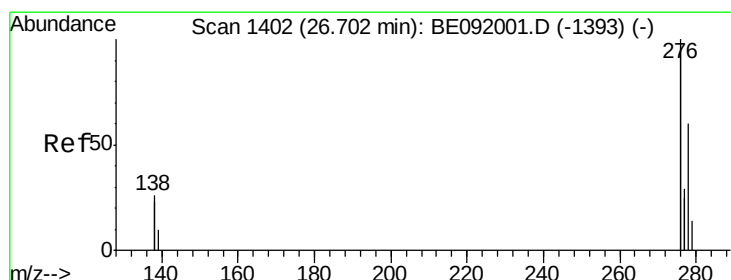
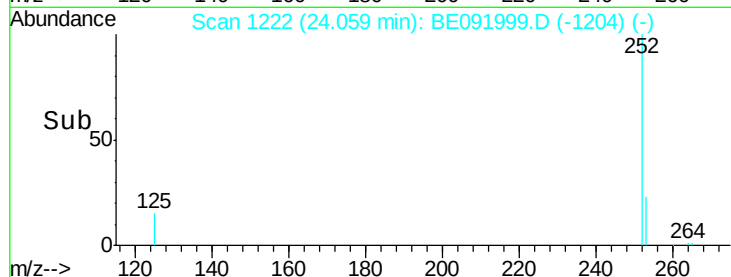
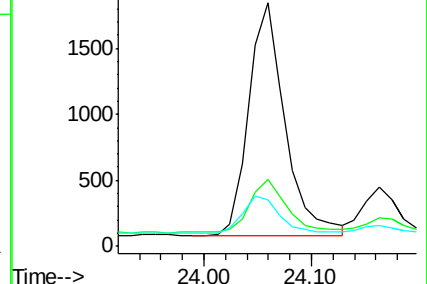
125 19.1 10.5 15.7#



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: 0.08 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.02 min

Lab File: BE091999.D

Acq: 22 Jul 2016 9:40

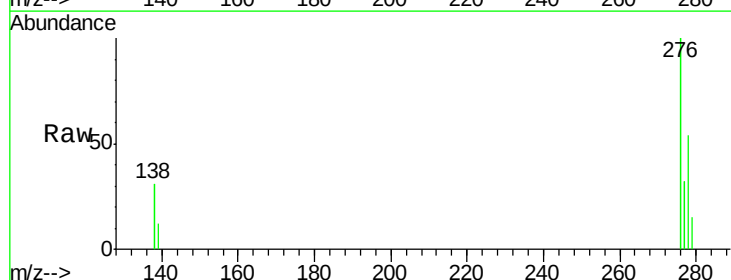
Tgt Ion: 278 Resp: 3508

Ion Ratio Lower Upper

278 100

139 22.6 12.6 18.8#

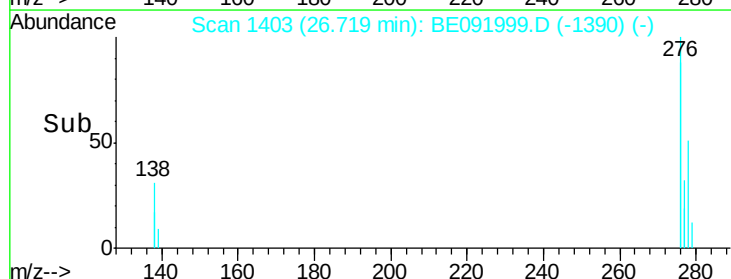
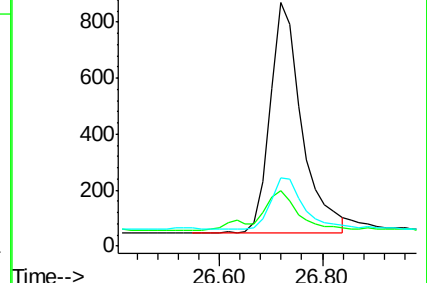
279 28.3 20.0 30.0

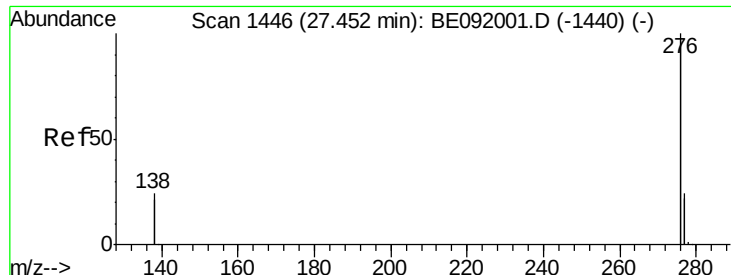


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.08 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.02 min

Lab File: BE091999.D

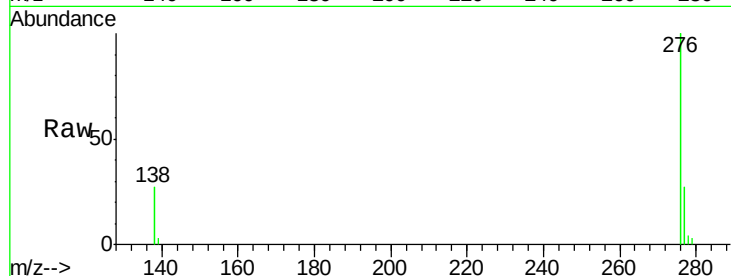
Acq: 22 Jul 2016 9:40

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1



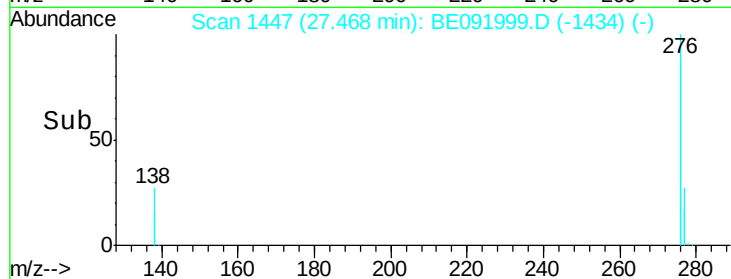
Tgt Ion: 276 Resp: 15128

Ion Ratio Lower Upper

276 100

277 27.2 19.5 29.3

138 26.8 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

