

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091933.D
 Acq On : 15 Jun 2016 20:14
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jun 16 00:56:58 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	8.21	152	24369	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	107703	5.00	ng	0.03
15) Acenaphthene-d10	14.86	164	73333	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	157628	5.00	ng	0.00
31) Chrysene-d12	21.76	240	261578	5.00	ng	0.00
40) Perylene-d12	24.16	264	180607	5.00	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.74	112	1662	0.35	ng	0.02
5) Phenol-d6	7.37	99	2129	0.40	ng	0.02
9) Nitrobenzene-d5	9.38	82	2705	0.36	ng	0.02
16) 2,4,6-Tribromophenol	16.36	330	481	0.33	ng	0.02
17) 2-Fluorobiphenyl	13.49	172	7485	0.40	ng	0.00
34) Terphenyl-d14	20.22	244	10210	0.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1376	0.40	ng	97
3) n-Nitrosodimethylamine	3.83	42	1233	0.32	ng	# 86
6) bis(2-Chloroethyl)ether	7.63	93	2401	0.34	ng	97
7) n-Nitroso-di-n-propylamine	9.02	70	1953	0.41	ng	# 99
10) Nitrobenzene	9.42	77	2589	0.35	ng	# 99
11) bis(2-Chloroethoxy)methane	10.45	93	3207	0.34	ng	# 19
12) Naphthalene	11.04	128	9093	0.39	ng	# 94
13) Hexachlorobutadiene	11.34	225	1461	0.38	ng	98
14) 2-Methylnaphthalene	12.69	142	5878	0.37	ng	96
18) Acenaphthylene	14.59	152	26639	0.36	ng	# 68
19) 2,6-Dinitrotoluene	14.44	165	2949	0.42	ng	# 54
20) Acenaphthene	14.92	154	7656	0.37	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	7056	0.60	ng	# 1
22) Fluorene	15.91	166	7450	0.37	ng	99
23) 4-Chlorophenyl-phenylether	15.91	204	3732	0.37	ng	89
25) 4-Bromophenyl-phenylether	16.80	248	2227	0.37	ng	95
26) Hexachlorobenzene	16.92	284	2448	0.39	ng	97
27) Pentachlorophenol	17.26	266	377	0.30	ng	93
28) Phenanthrene	17.64	178	15204	0.39	ng	100
29) Anthracene	17.73	178	12483	0.36	ng	99
30) Fluoranthene	19.65	202	56479	0.33	ng	# 87
32) Benzidine	19.86	184	2232	0.32	ng	# 87
33) Pyrene	20.02	202	59246	0.33	ng	# 80
35) Benzo(a)anthracene	21.79	228	40065	0.97	ng	# 93
36) 3,3'-Dichlorobenzidine	21.70	252	1880	0.28	ng	# 96
37) Chrysene	21.79	228	40556	0.68	ng	96
38) Bis(2-ethylhexyl)phthalate	21.64	149	9471	0.34	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	67146	0.33	ng	98
41) Benzo(b)fluoranthene	23.42	252	17696	0.38	ng	98
42) Benzo(k)fluoranthene	23.48	252	14466	0.34	ng	99
43) Benzo(a)pyrene	24.06	252	14076	0.35	ng	99
44) Dibenzo(a,h)anthracene	26.70	278	13755	0.35	ng	# 95
45) Benzo(g,h,i)perylene	27.45	276	57095	0.35	ng	97

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

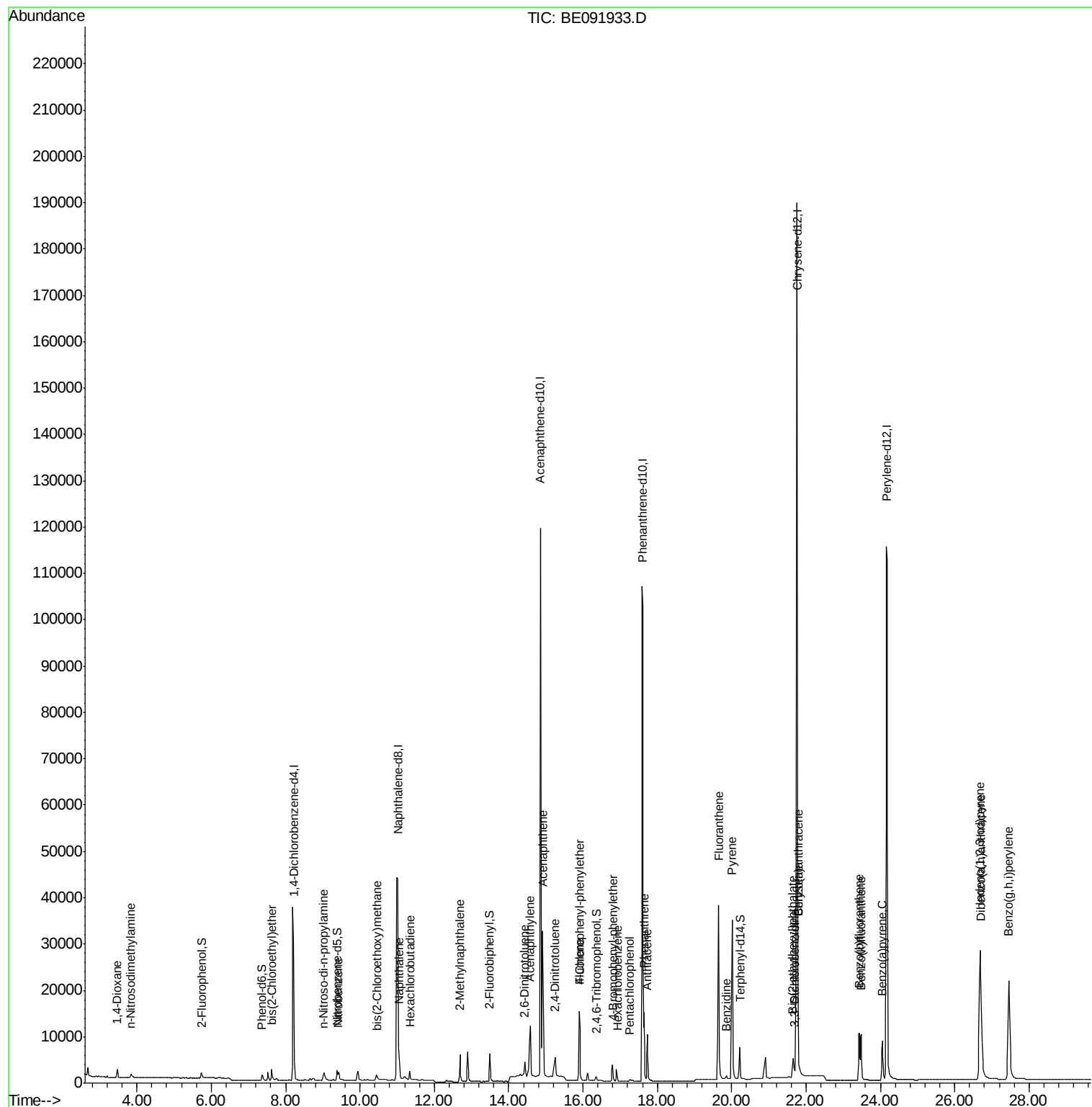
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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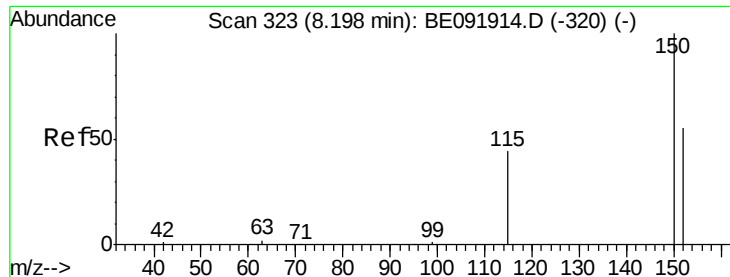
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.21 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

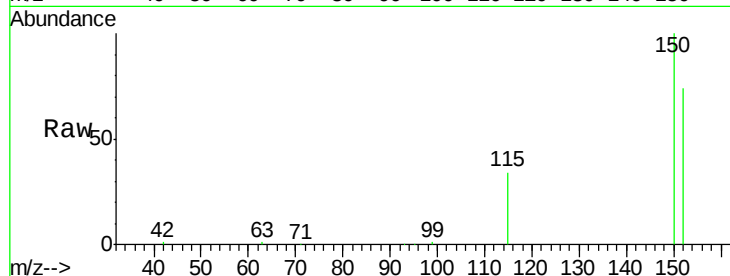
Tgt Ion:152 Resp: 24369

Ion Ratio Lower Upper

152 100

150 134.4 123.9 185.9

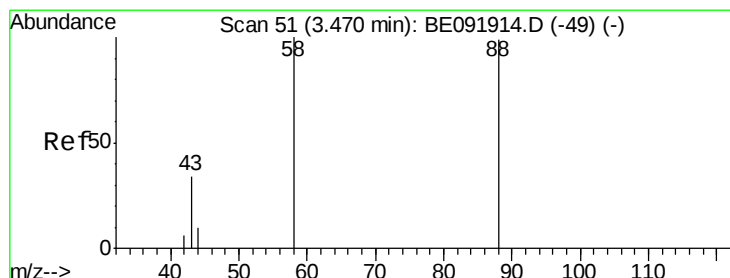
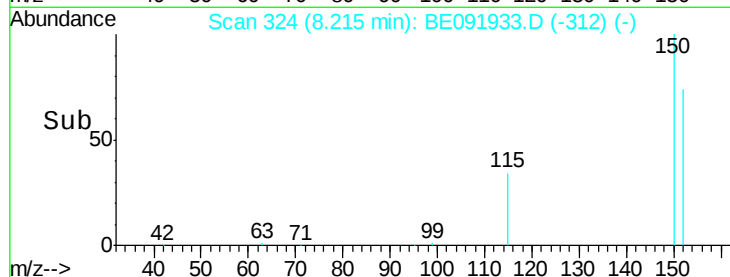
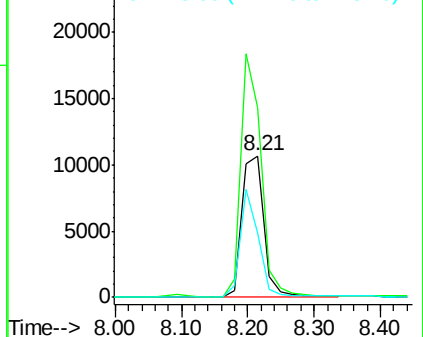
115 46.0 48.3 72.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.40 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

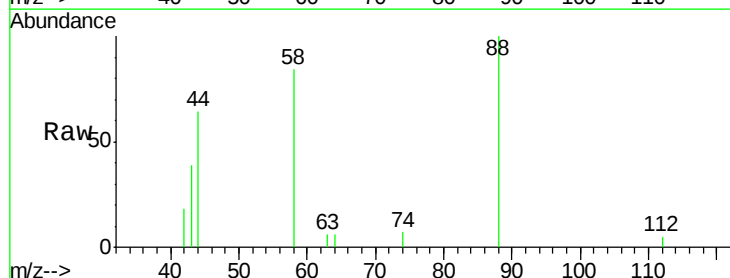
Tgt Ion: 88 Resp: 1376

Ion Ratio Lower Upper

88 100

58 80.2 63.0 94.4

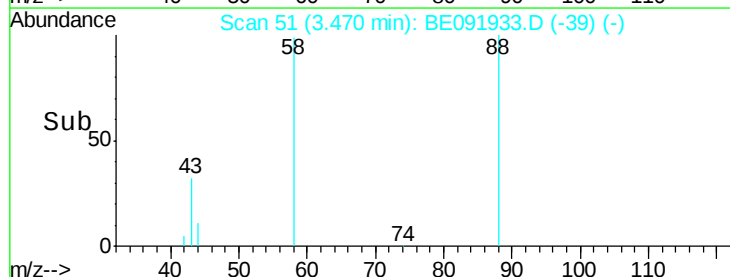
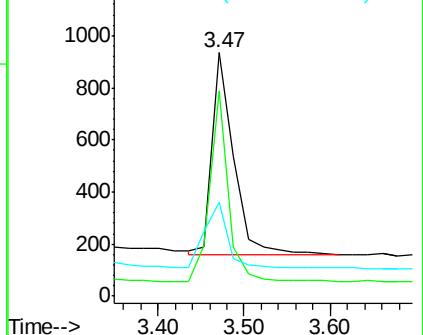
43 32.6 29.1 43.7

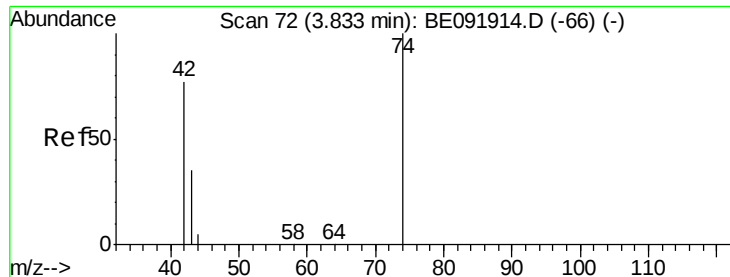


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.32 ng

RT: 3.83 min Scan# 72

Delta R.T. 0.04 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

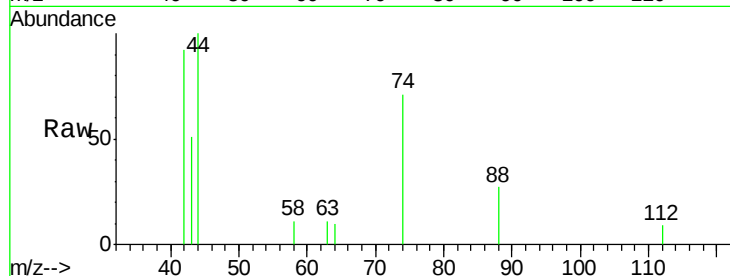
Tgt Ion: 42 Resp: 1233

Ion Ratio Lower Upper

42 100

74 101.2 93.4 140.0

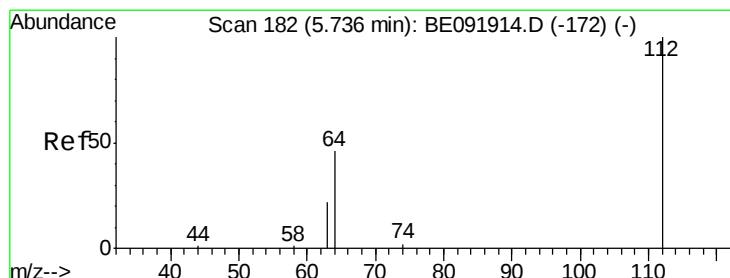
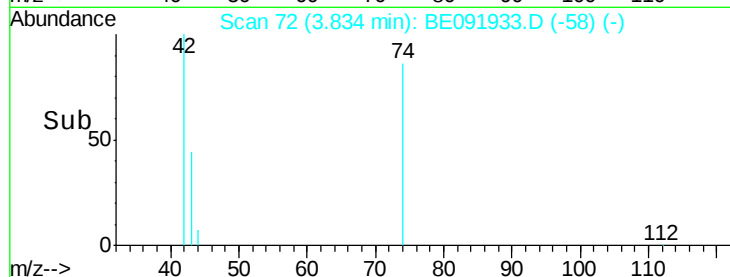
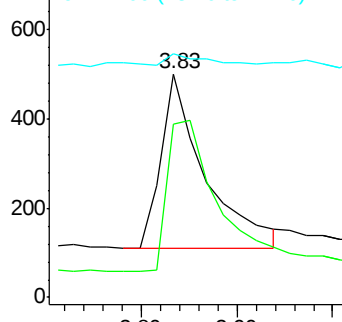
44 8.9 5.0 7.6#



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: 0.35 ng

RT: 5.74 min Scan# 182

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

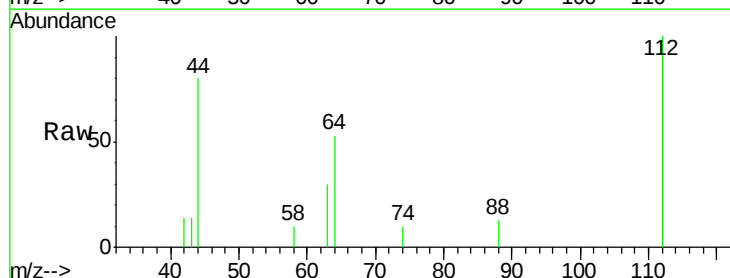
Tgt Ion: 112 Resp: 1662

Ion Ratio Lower Upper

112 100

64 67.9 53.7 80.5

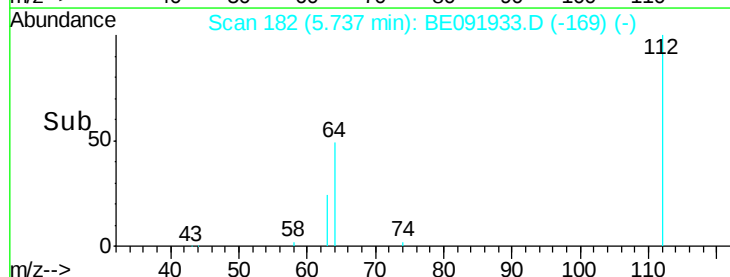
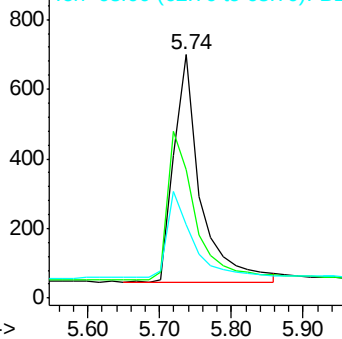
63 36.8 29.5 44.3

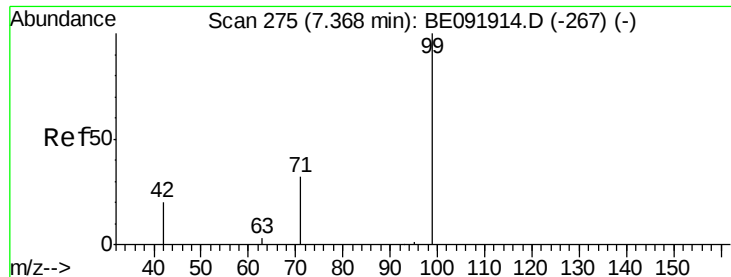


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.40 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

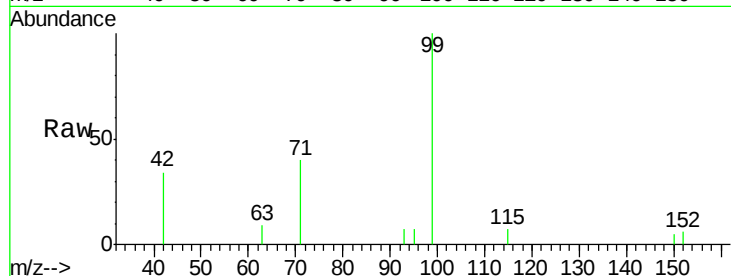
Tgt Ion: 99 Resp: 2129

Ion Ratio Lower Upper

99 100

42 27.8 19.6 29.4

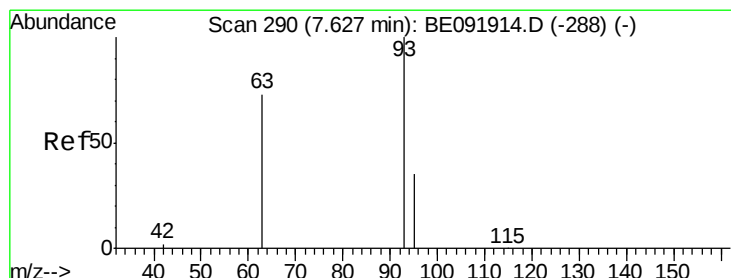
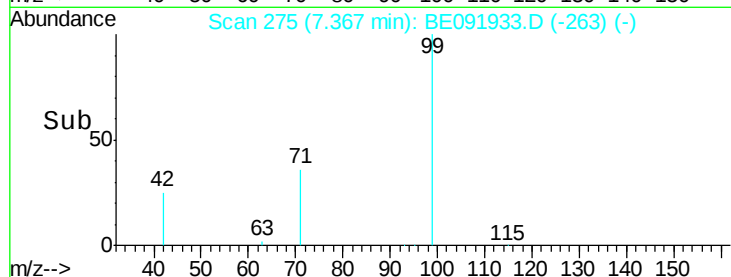
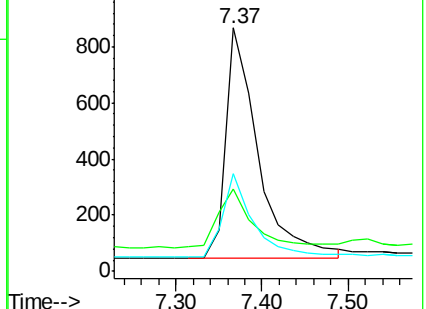
71 34.9 28.1 42.1



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: 0.34 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

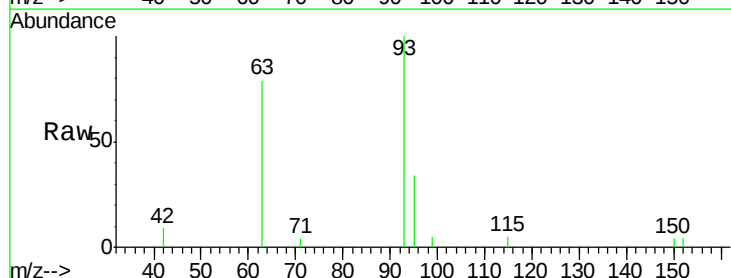
Tgt Ion: 93 Resp: 2401

Ion Ratio Lower Upper

93 100

63 85.2 66.2 99.4

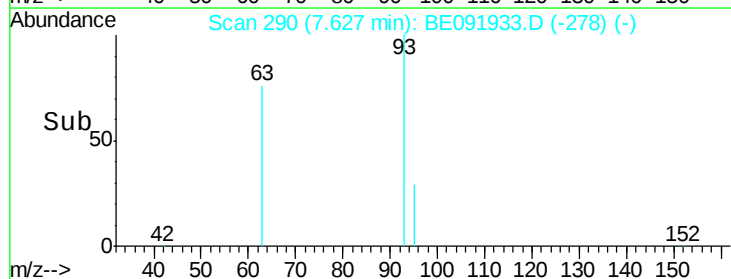
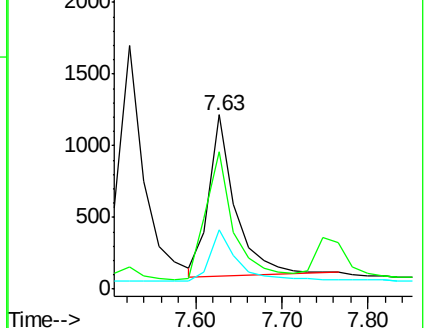
95 34.4 25.5 38.3

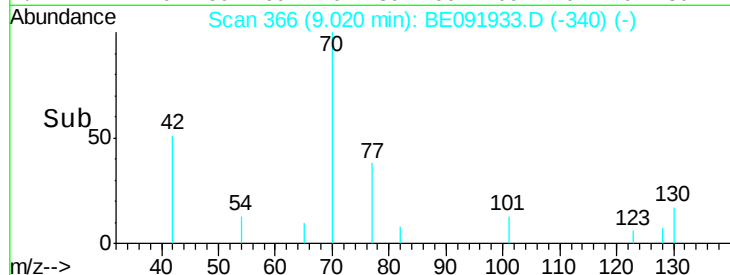
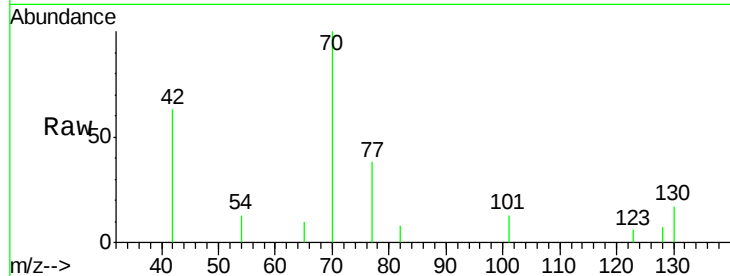
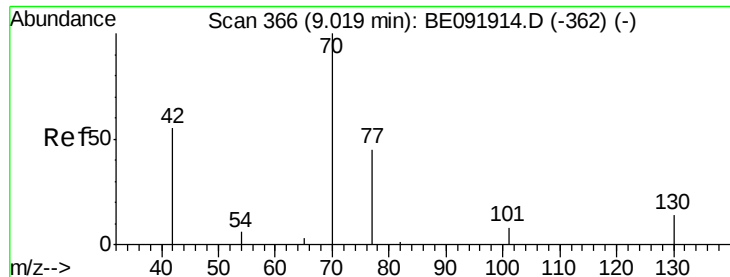


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.41 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 1953

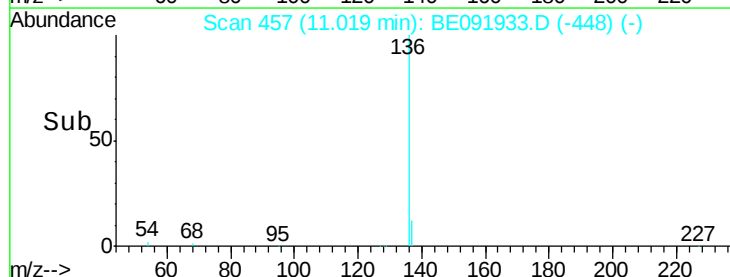
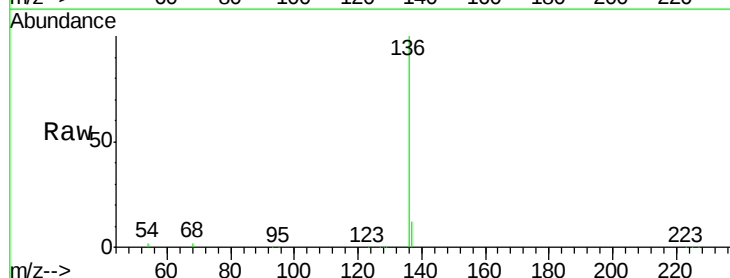
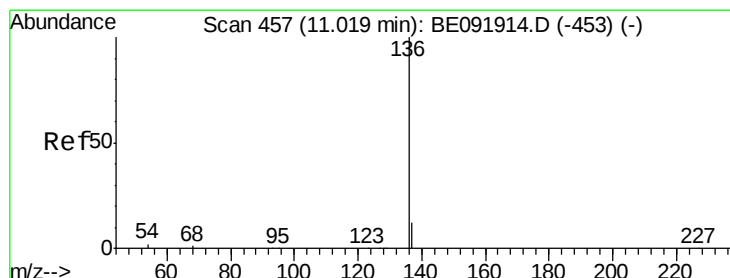
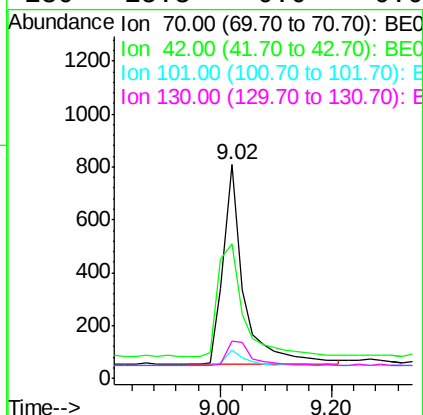
Ion Ratio Lower Upper

70 100

42 72.7 58.4 87.6

101 9.6 6.4 9.6#

130 15.3 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.03 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Tgt Ion: 136 Resp: 107703

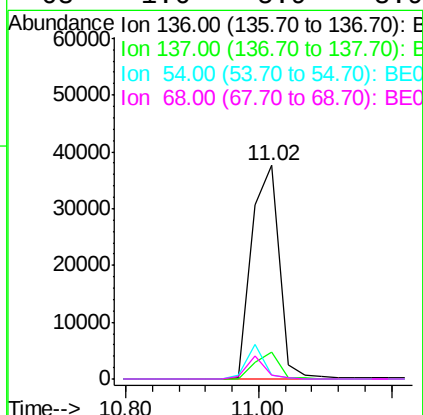
Ion Ratio Lower Upper

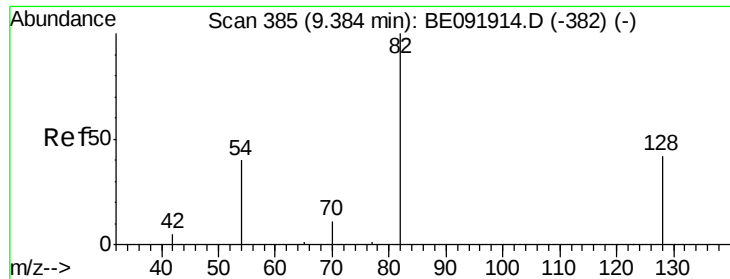
136 100

137 12.3 8.3 12.5

54 1.9 8.2 12.4#

68 1.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.36 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

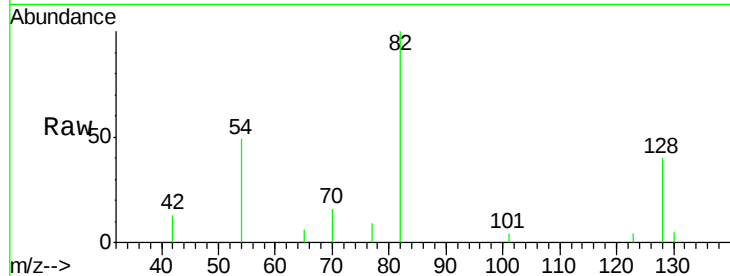
Tgt Ion: 82 Resp: 2705

Ion Ratio Lower Upper

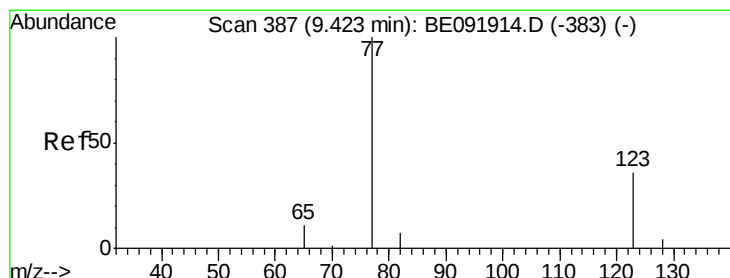
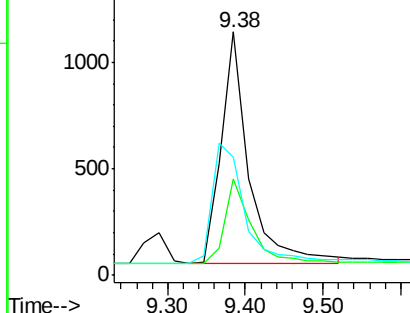
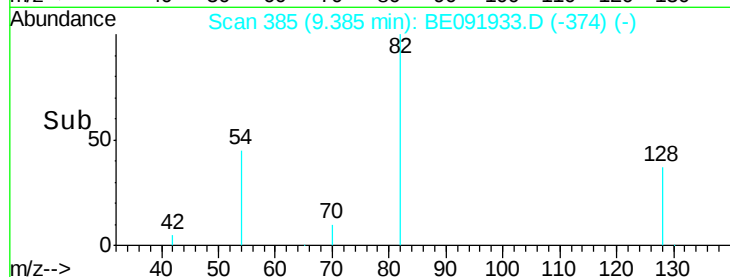
82 100

128 39.6 39.5 59.3

54 48.6 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: 0.35 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

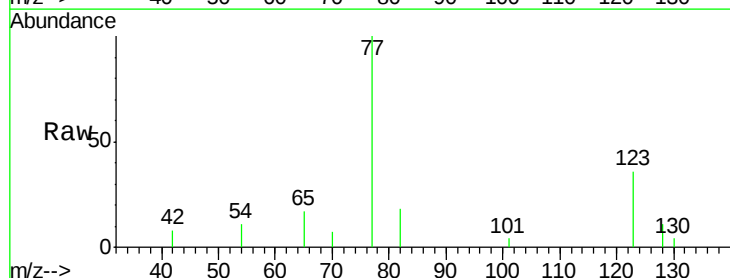
Tgt Ion: 77 Resp: 2589

Ion Ratio Lower Upper

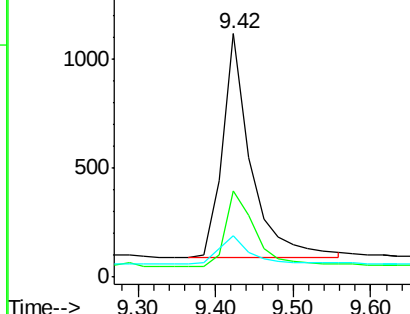
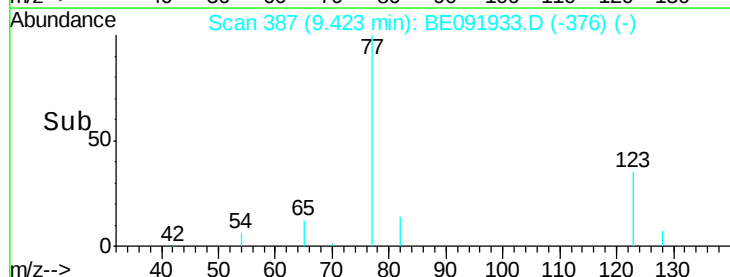
77 100

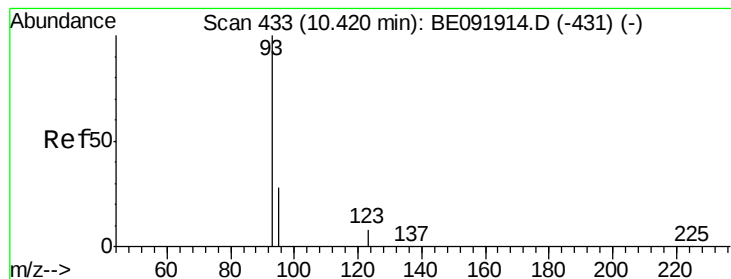
123 36.7 0.0 0.0#

65 14.3 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: 0.34 ng

RT: 10.45 min Scan# 434

Delta R.T. 0.03 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

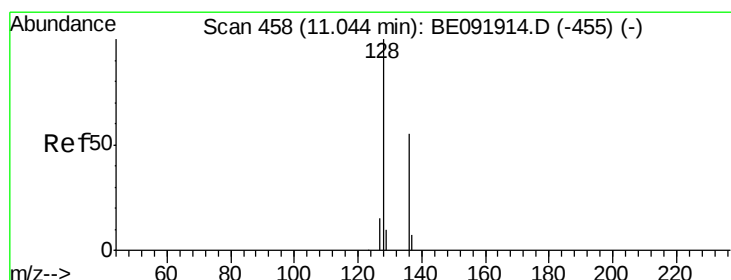
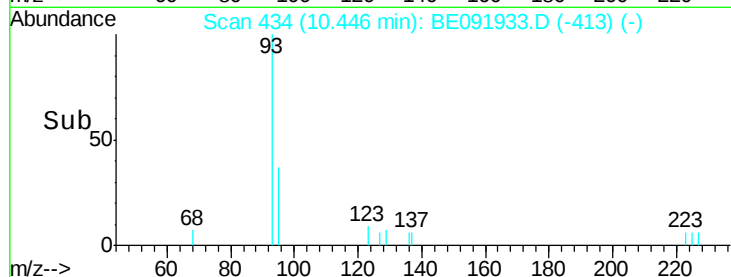
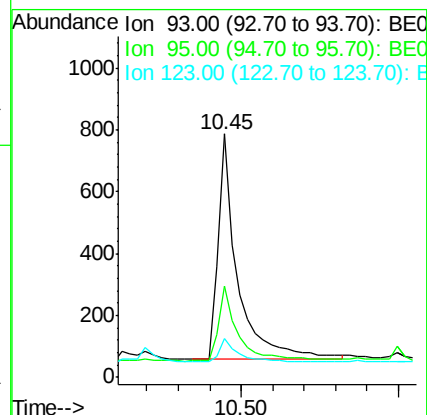
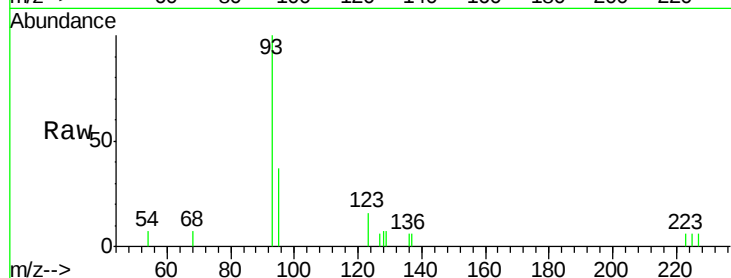
Tgt Ion: 93 Resp: 3207

Ion Ratio Lower Upper

93 100

95 33.0 57.6 86.4#

123 10.3 100.2 150.4#



#12

Naphthalene

Concen: 0.39 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

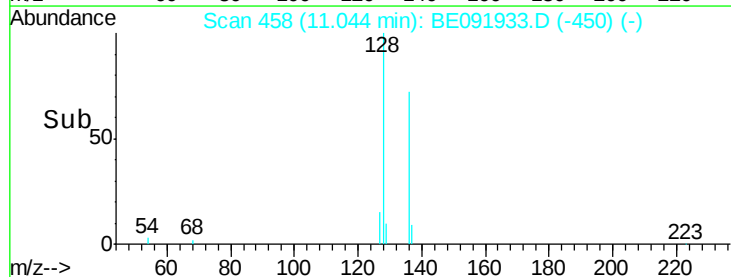
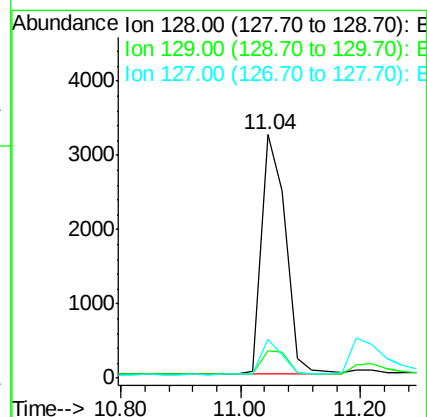
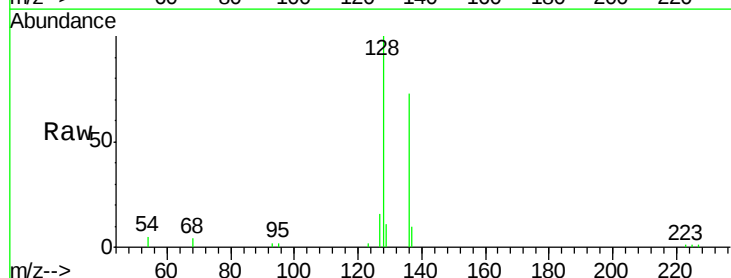
Tgt Ion: 128 Resp: 9093

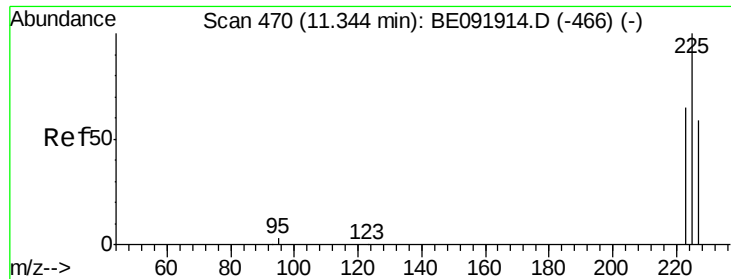
Ion Ratio Lower Upper

128 100

129 11.2 10.4 15.6

127 15.9 10.2 15.2#

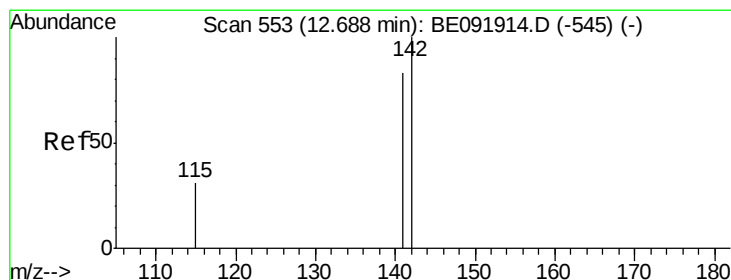
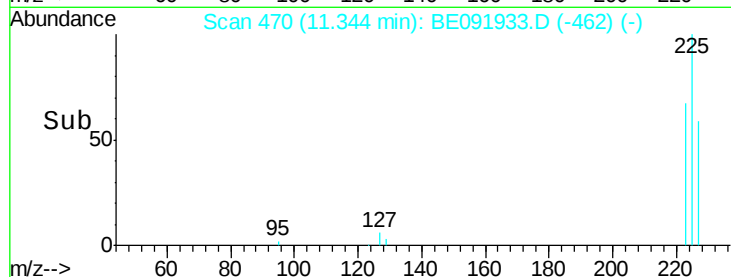
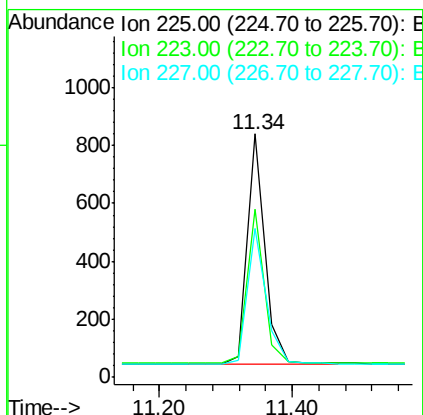
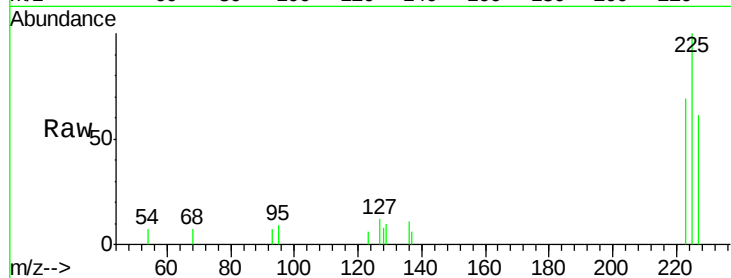




#13
Hexachlorobutadiene
Concen: 0.38 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091933.D
Acq: 15 Jun 2016 20:14

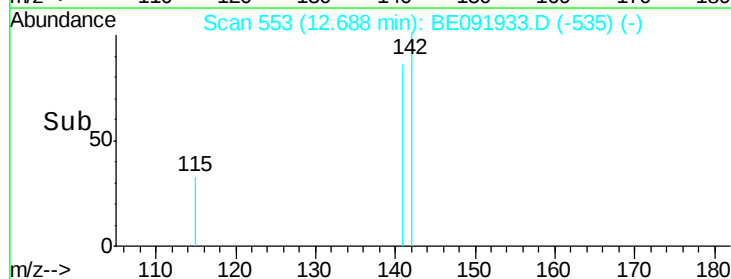
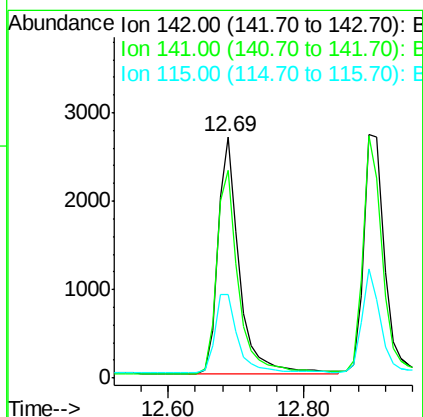
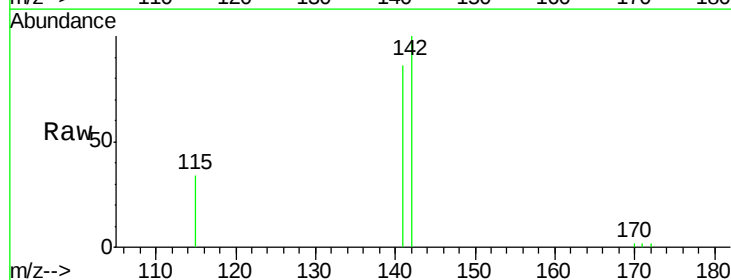
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

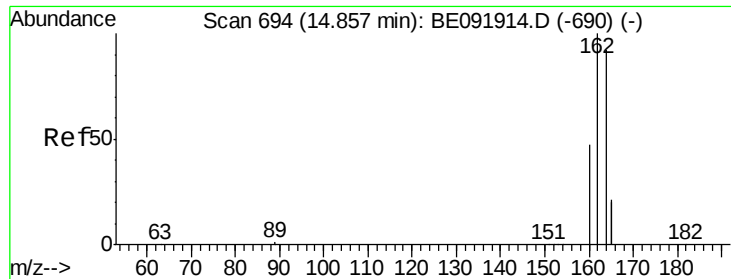
Tgt Ion: 225 Resp: 1461
Ion Ratio Lower Upper
225 100
223 65.0 49.8 74.8
227 62.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.01 min
Lab File: BE091933.D
Acq: 15 Jun 2016 20:14

Tgt Ion: 142 Resp: 5878
Ion Ratio Lower Upper
142 100
141 85.9 71.9 107.9
115 34.4 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: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

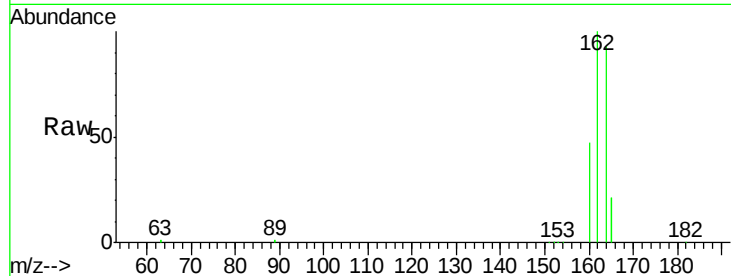
Tgt Ion:164 Resp: 73333

Ion Ratio Lower Upper

164 100

162 107.9 71.8 107.8#

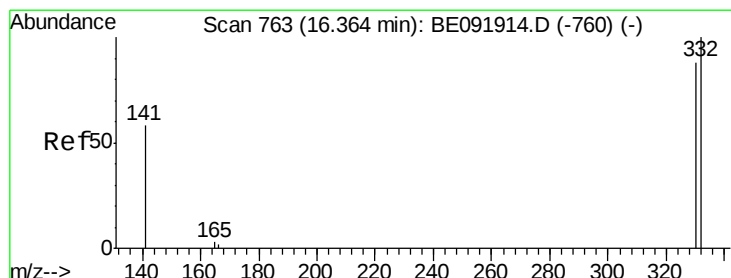
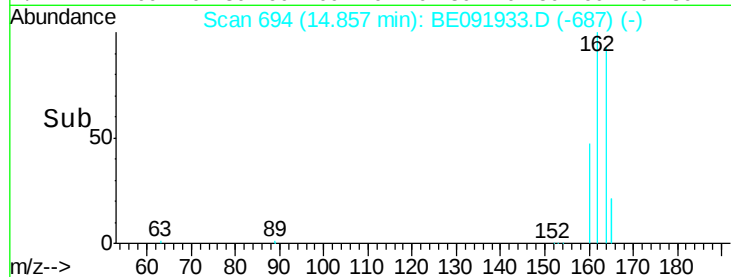
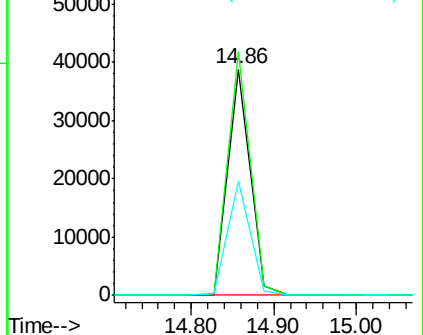
160 50.7 28.0 42.0#



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: 0.33 ng

RT: 16.36 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

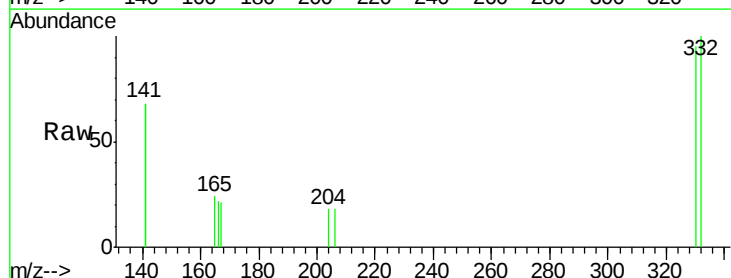
Tgt Ion:330 Resp: 481

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

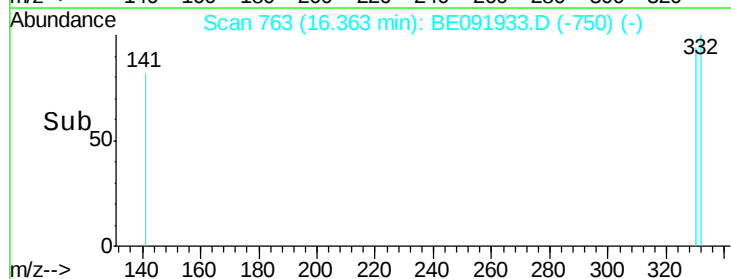
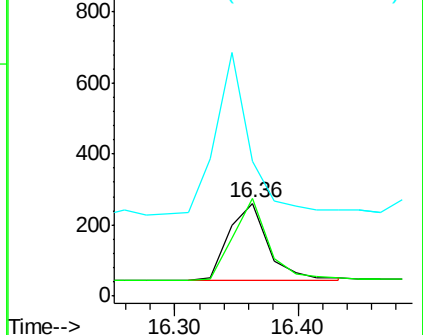
141 185.2 138.4 207.6

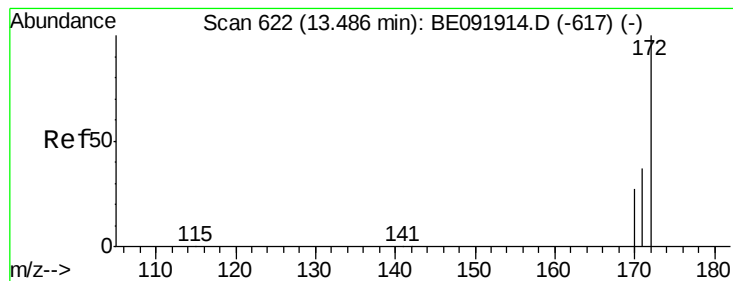


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

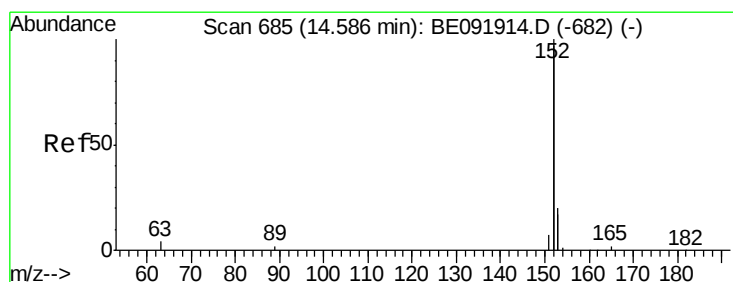
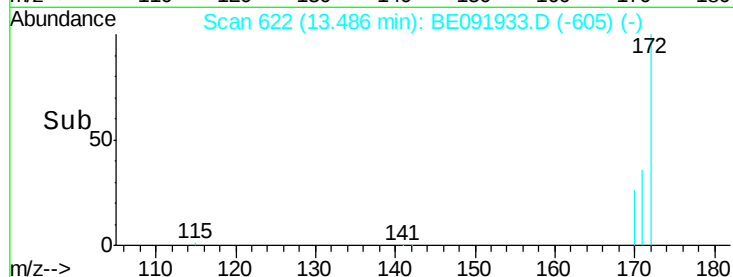
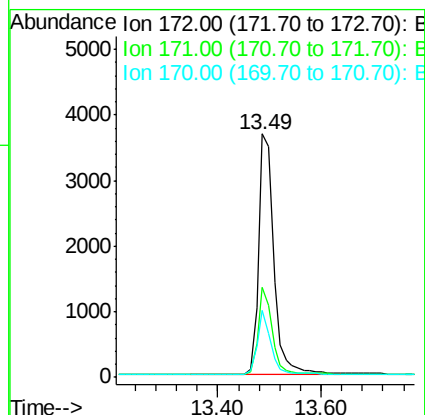
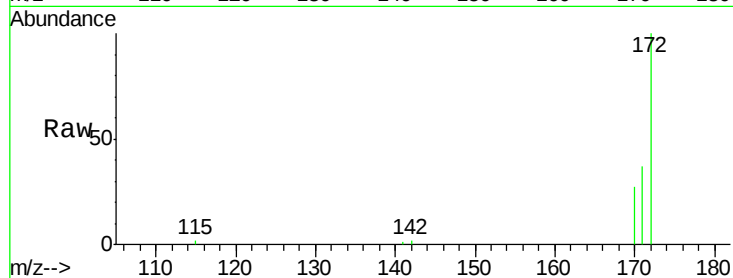




#17
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091933.D
Acq: 15 Jun 2016 20:14

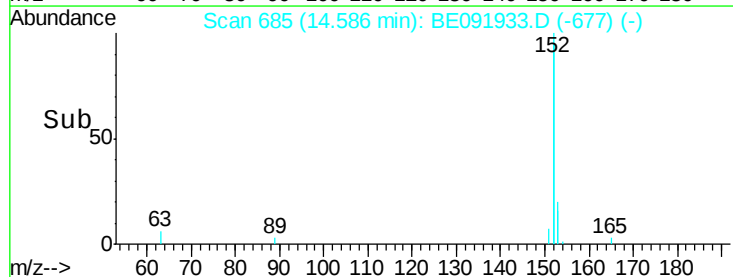
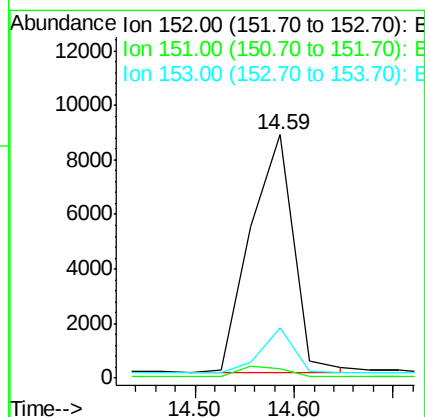
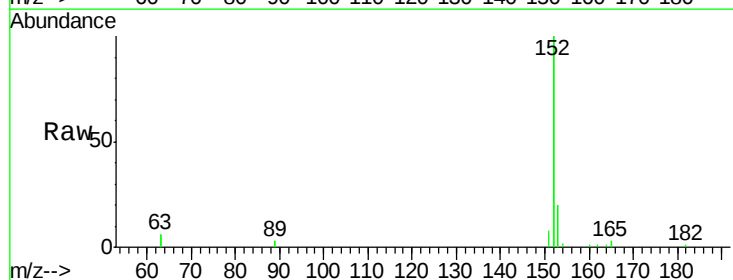
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

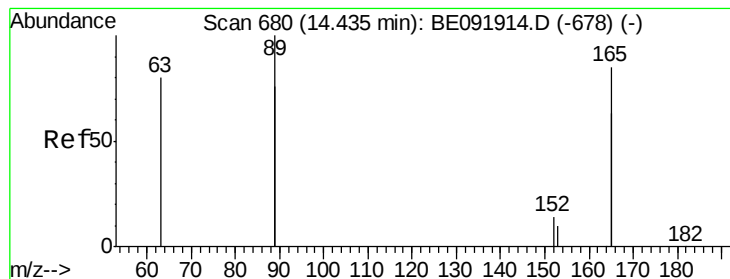
Tgt Ion:172 Resp: 7485
Ion Ratio Lower Upper
172 100
171 37.0 24.3 36.5#
170 27.4 14.9 22.3#



#18
Acenaphthylene
Concen: 0.36 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091933.D
Acq: 15 Jun 2016 20:14

Tgt Ion:152 Resp: 26639
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 14.2 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.42 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

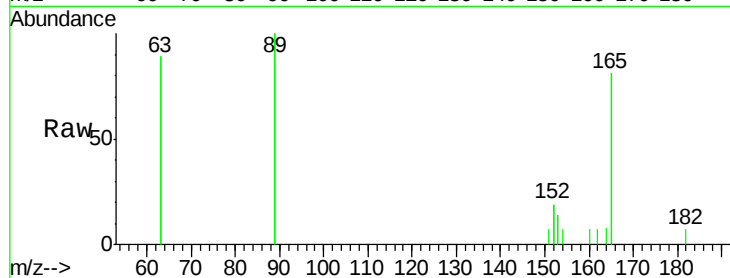
Tgt Ion:165 Resp: 2949

Ion Ratio Lower Upper

165 100

63 147.6 65.9 98.9#

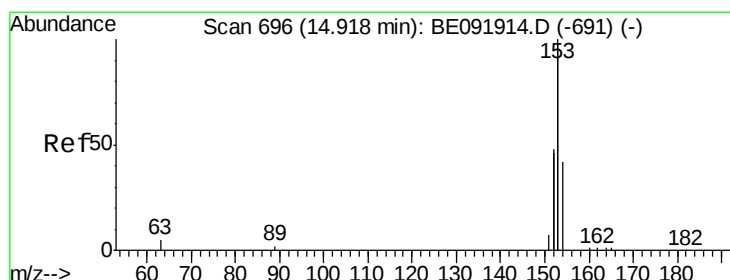
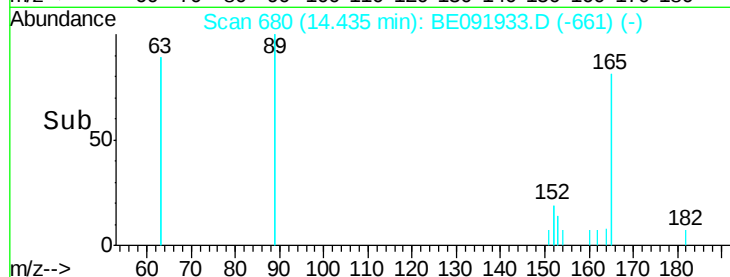
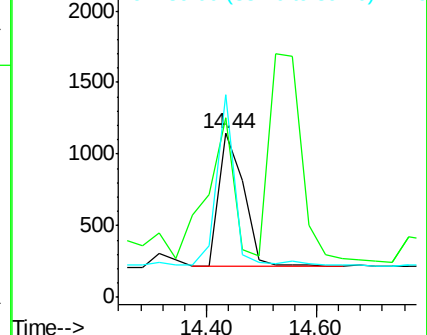
89 88.1 59.1 88.7



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: 0.37 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

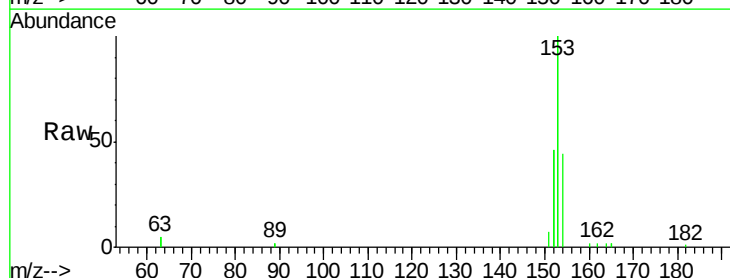
Tgt Ion:154 Resp: 7656

Ion Ratio Lower Upper

154 100

153 439.0 88.1 132.1#

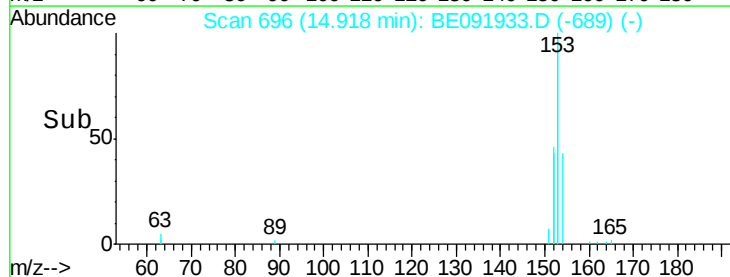
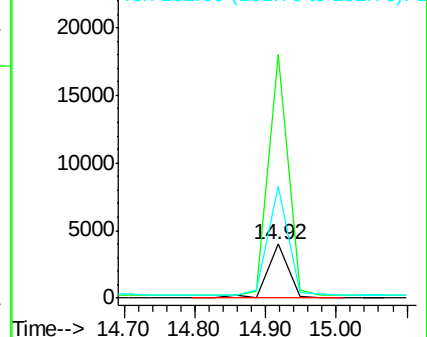
152 204.3 44.2 66.2#

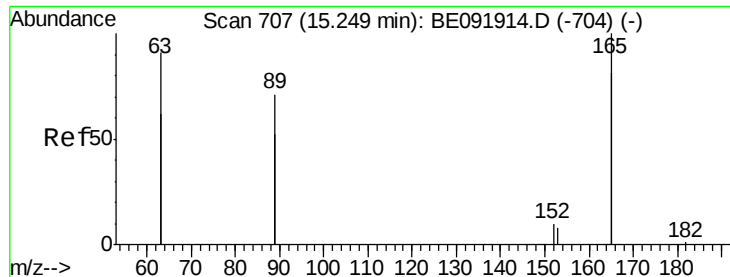


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.60 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.03 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:165 Resp: 7056

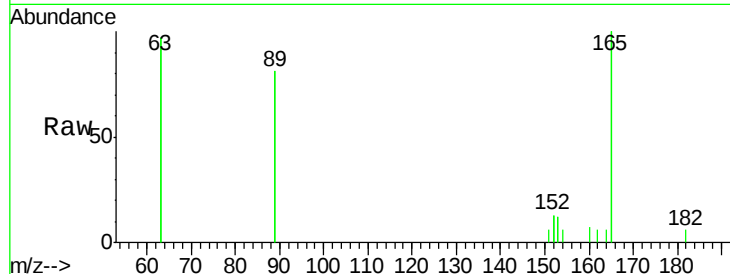
Ion Ratio Lower Upper

165 100

63 158.2 0.0 0.0#

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

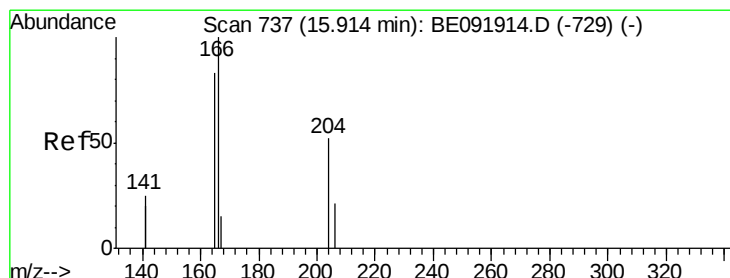
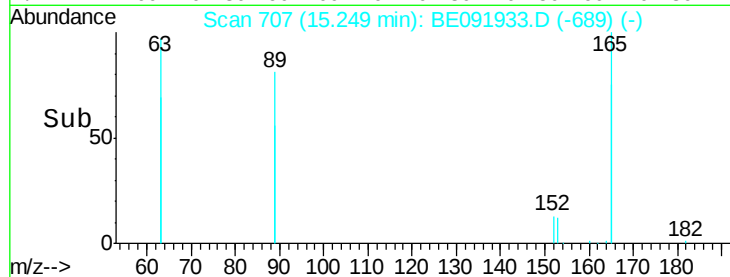
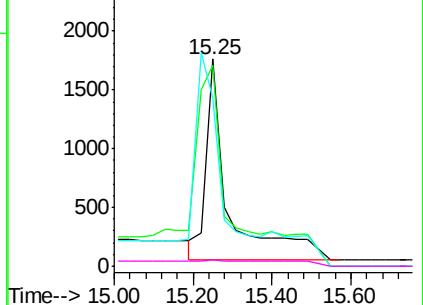


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.37 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

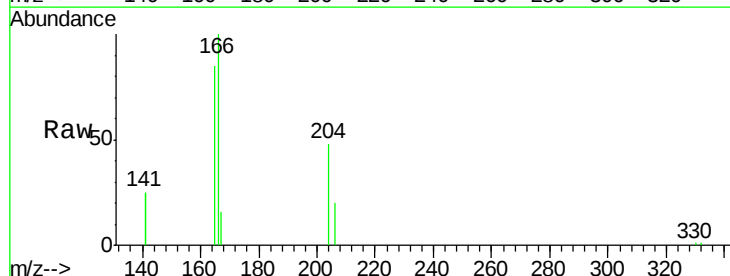
Tgt Ion:166 Resp: 7450

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

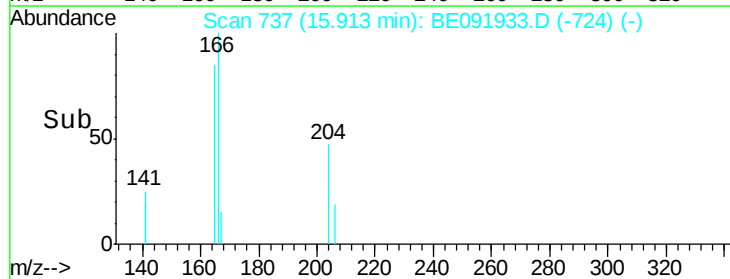
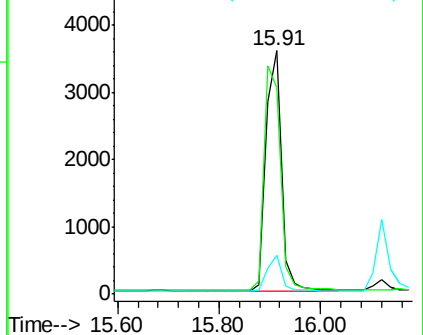
167 13.7 10.8 16.2

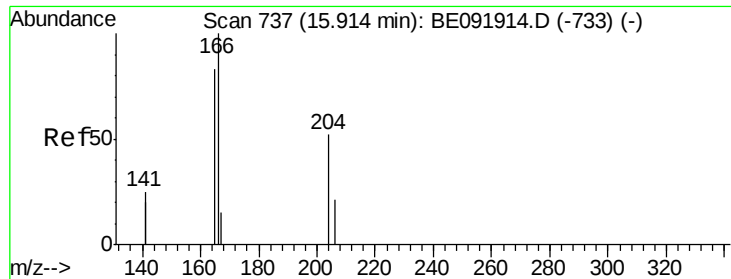


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

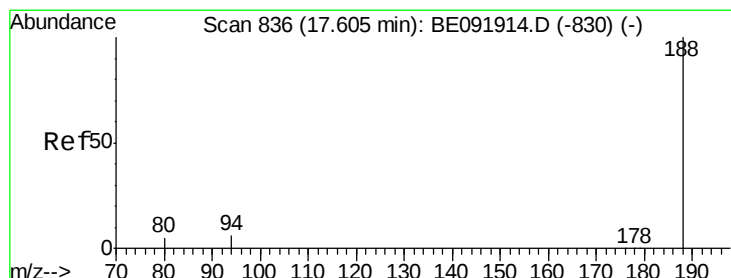
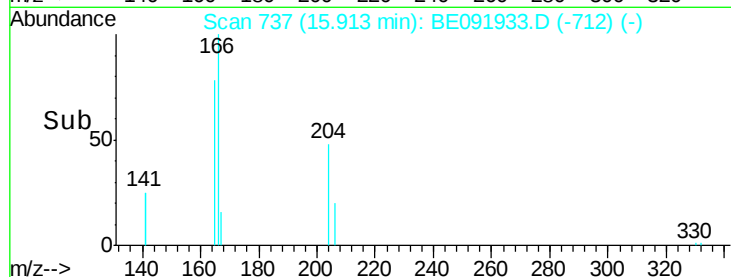
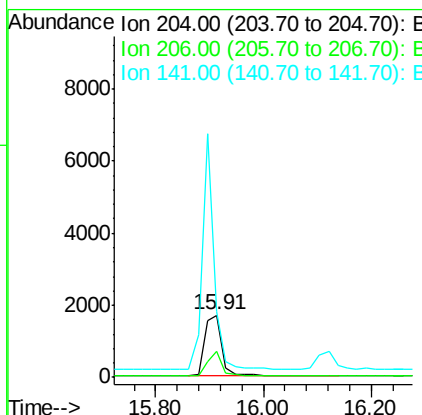
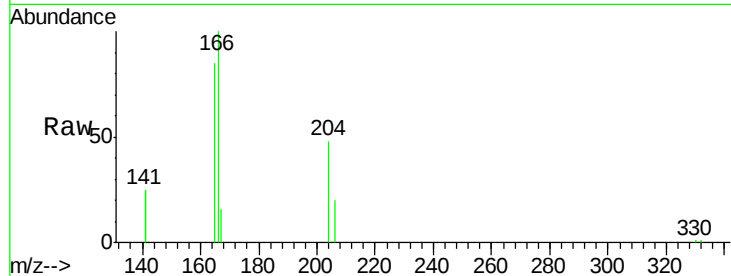




#23
 4-Chlorophenyl-phenylether
 Concen: 0.37 ng
 RT: 15.91 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: BE091933.D
 Acq: 15 Jun 2016 20:14

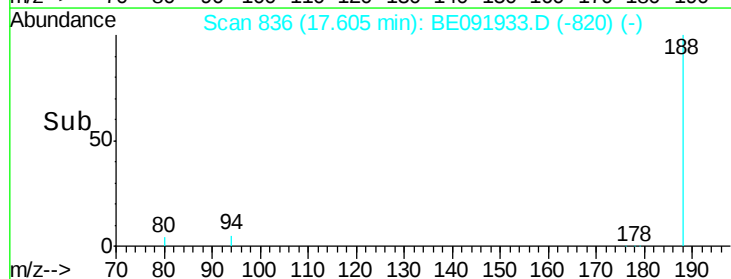
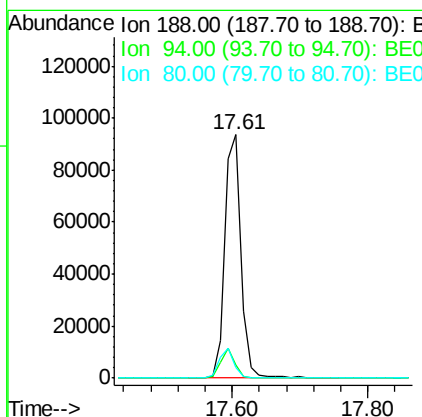
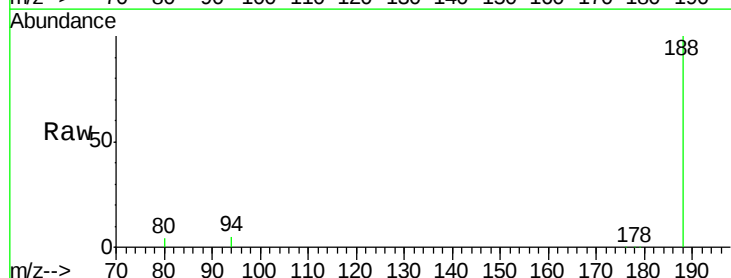
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

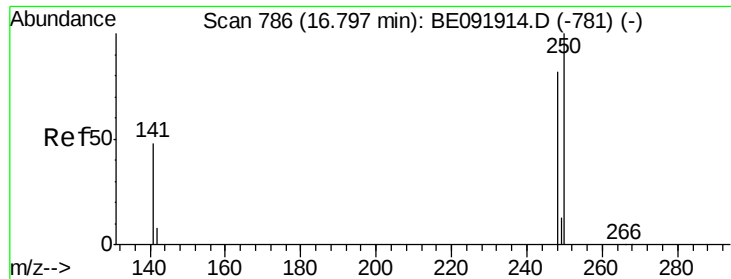
Tgt Ion: 204 Resp: 3732
 Ion Ratio Lower Upper
 204 100
 206 33.7 27.8 41.6
 141 269.0 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.61 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BE091933.D
 Acq: 15 Jun 2016 20:14

Tgt Ion: 188 Resp: 157628
 Ion Ratio Lower Upper
 188 100
 94 5.2 4.1 6.1
 80 4.4 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 0.37 ng

RT: 16.80 min Scan# 786

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

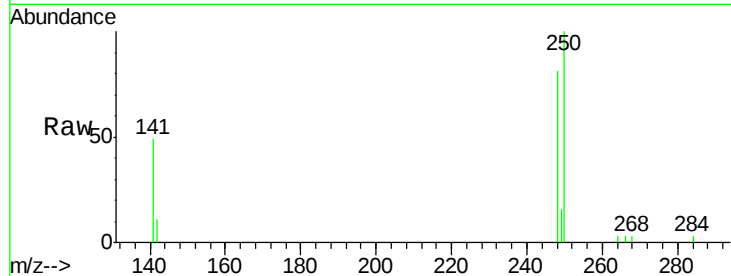
Tgt Ion:248 Resp: 2227

Ion Ratio Lower Upper

248 100

250 99.6 75.7 113.5

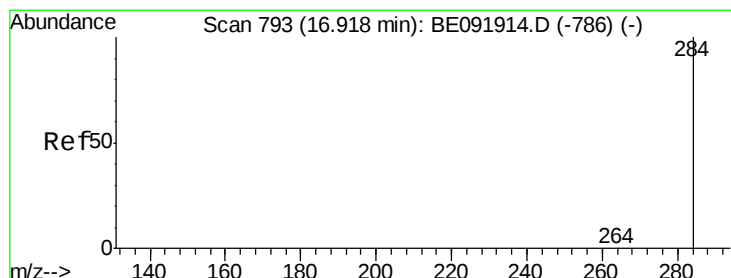
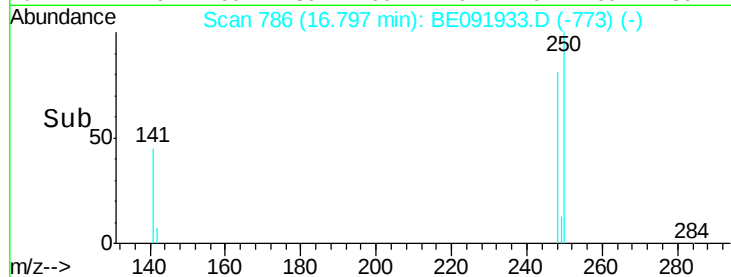
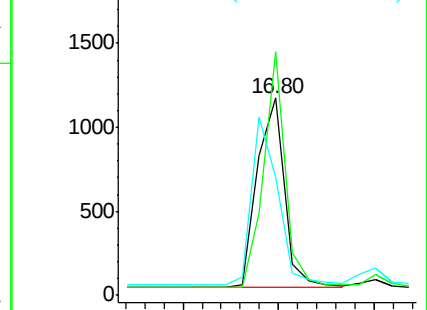
141 85.1 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 0.39 ng

RT: 16.92 min Scan# 793

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

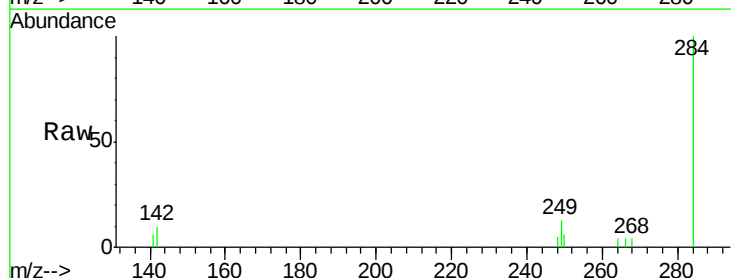
Tgt Ion:284 Resp: 2448

Ion Ratio Lower Upper

284 100

142 41.6 31.4 47.2

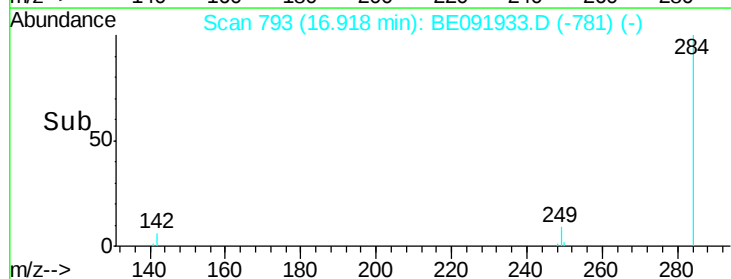
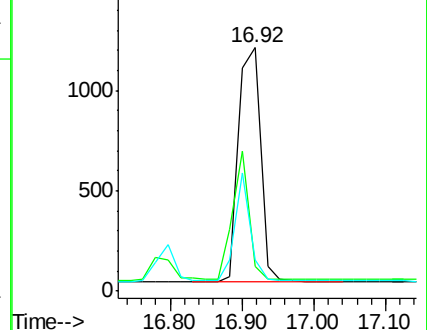
249 32.3 25.3 37.9

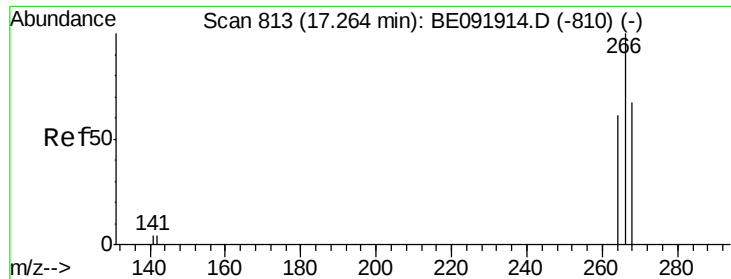


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.30 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

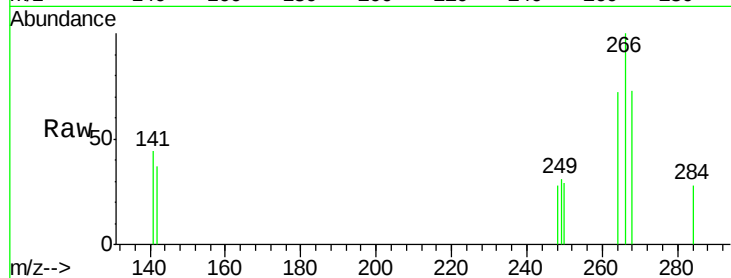
Tgt Ion:266 Resp: 377

Ion Ratio Lower Upper

266 100

268 72.9 60.5 90.7

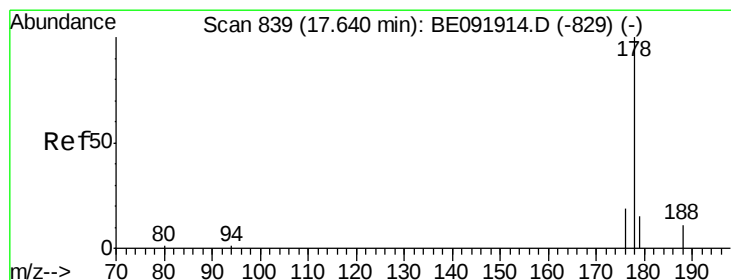
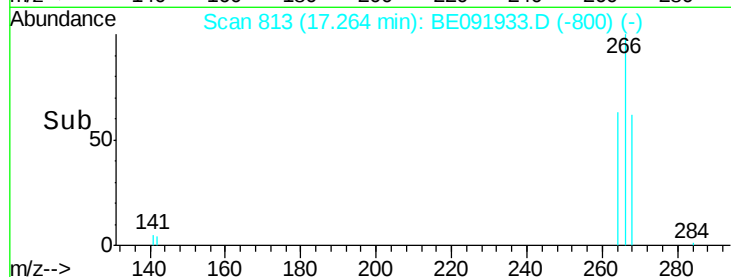
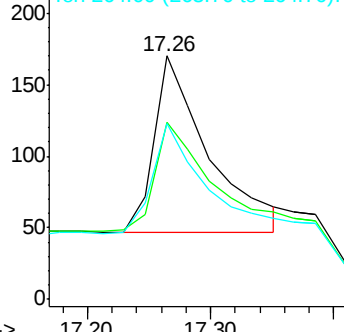
264 72.4 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.39 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

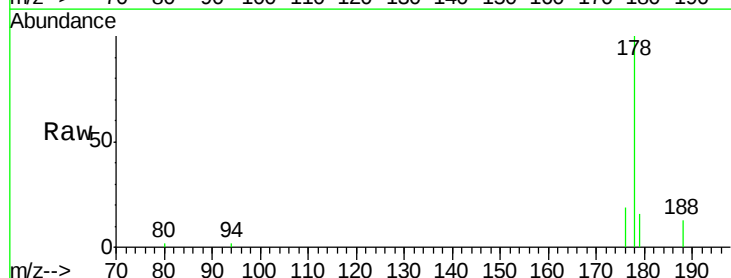
Tgt Ion:178 Resp: 15204

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

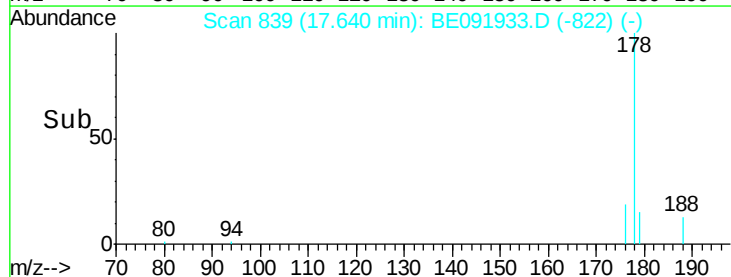
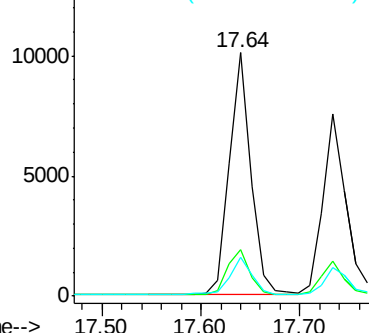
179 16.0 12.9 19.3

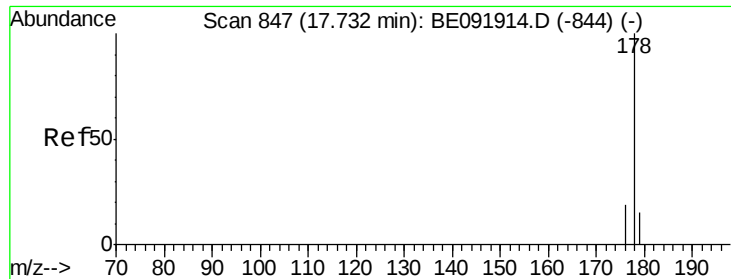


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.36 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

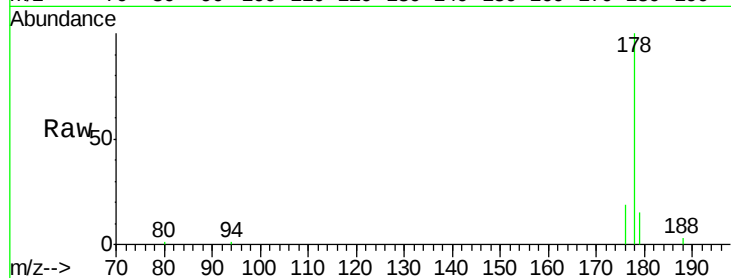
Tgt Ion:178 Resp: 12483

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

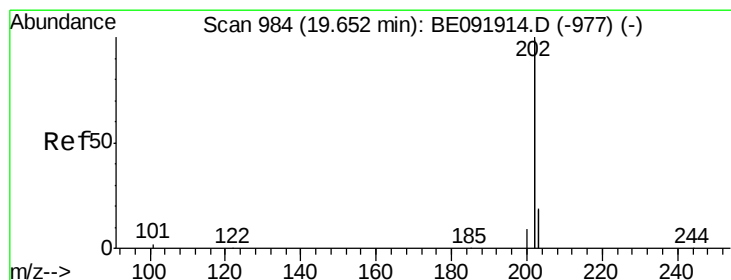
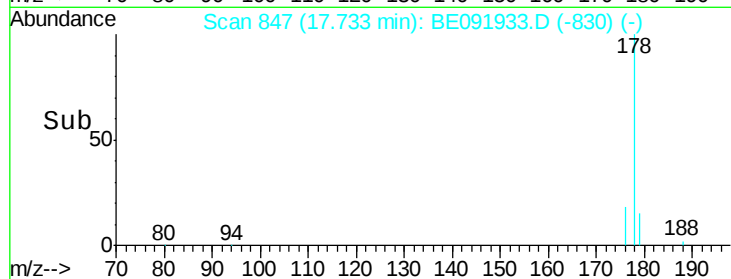
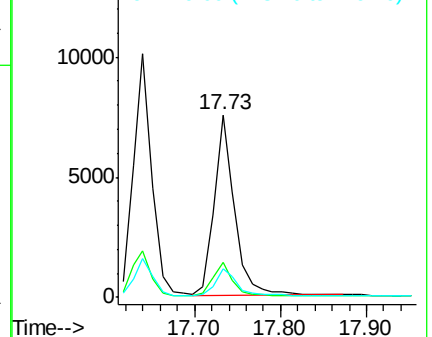
179 15.4 12.1 18.1



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: 0.33 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

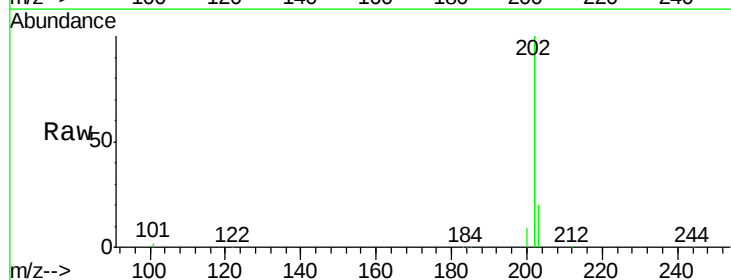
Tgt Ion:202 Resp: 56479

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

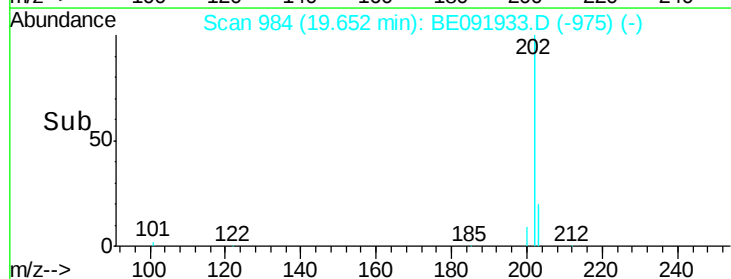
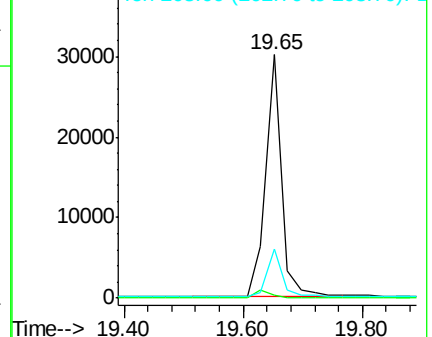
203 18.3 14.3 21.5

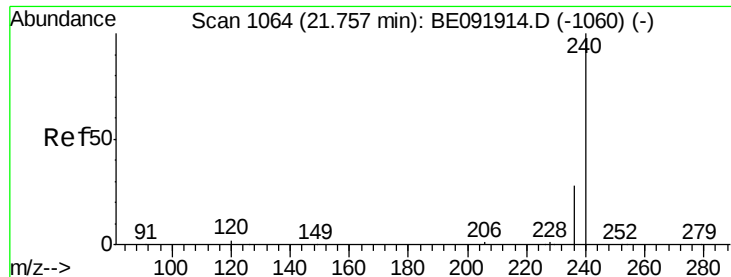


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

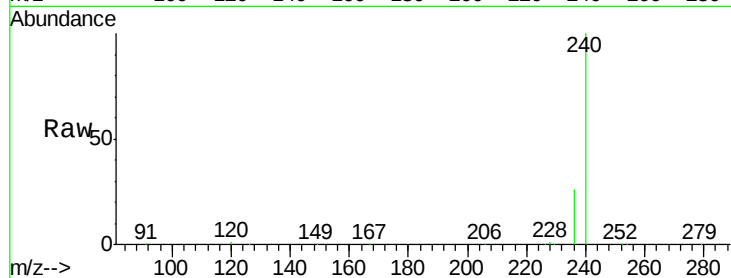
Tgt Ion:240 Resp: 261578

Ion Ratio Lower Upper

240 100

120 1.2 1.2 1.8

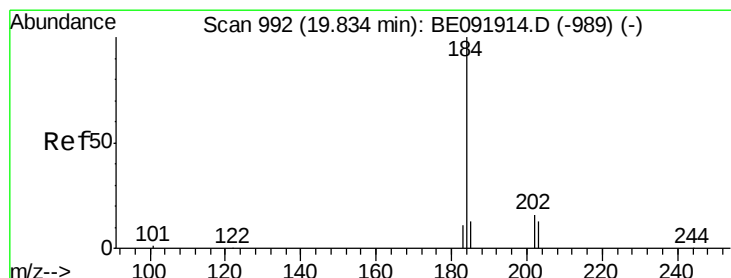
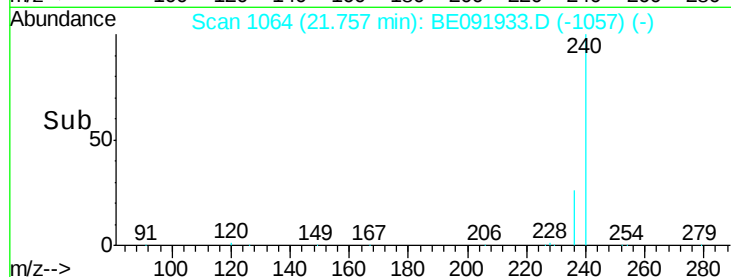
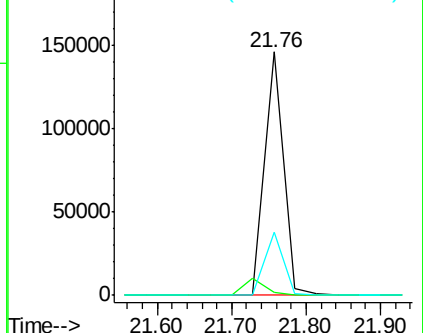
236 25.9 19.8 29.8



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: 0.32 ng

RT: 19.86 min Scan# 993

Delta R.T. 0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

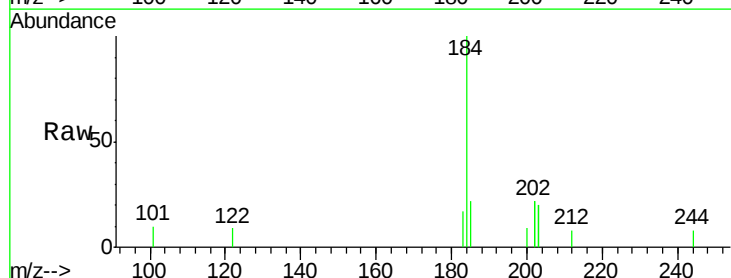
Tgt Ion:184 Resp: 2232

Ion Ratio Lower Upper

184 100

185 22.5 11.4 17.2#

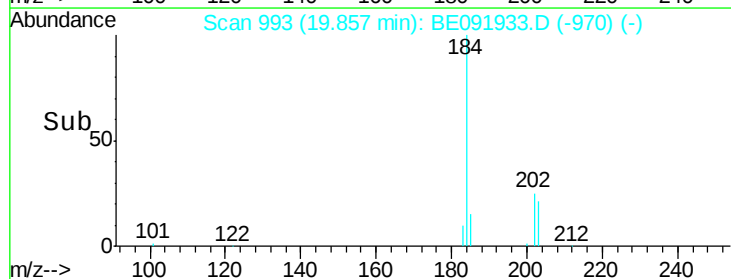
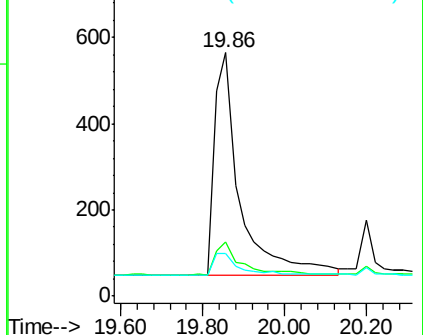
183 17.3 11.8 17.6

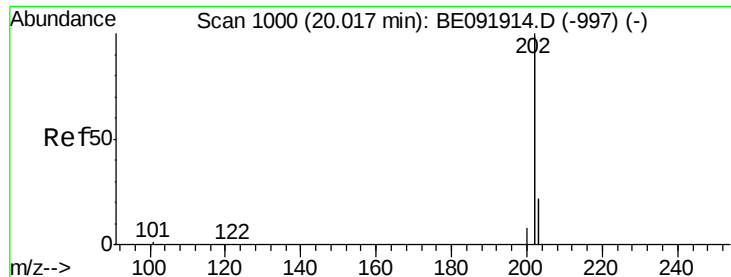


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.33 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

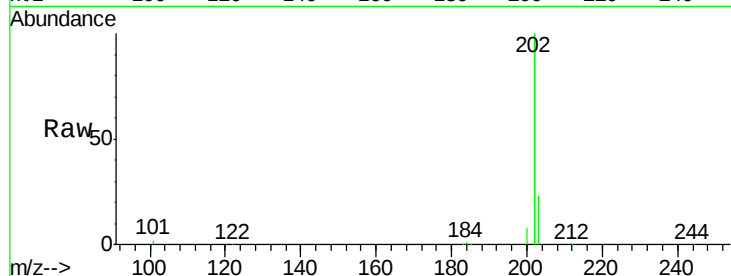
Tgt Ion: 202 Resp: 59246

Ion Ratio Lower Upper

202 100

200 5.3 16.9 25.3#

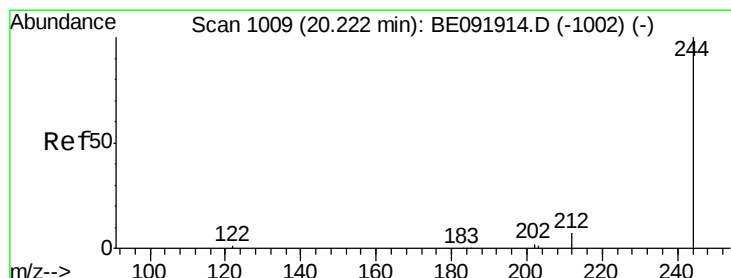
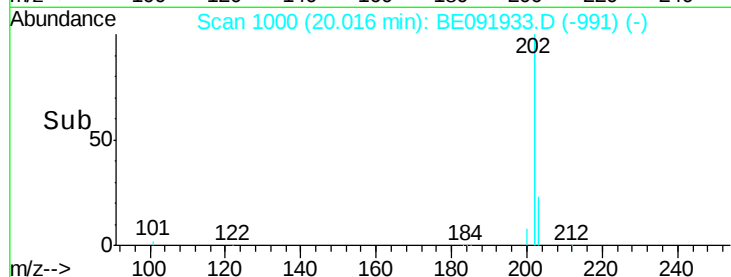
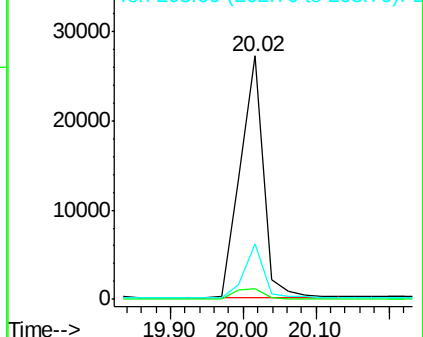
203 18.7 14.1 21.1



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: 0.32 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

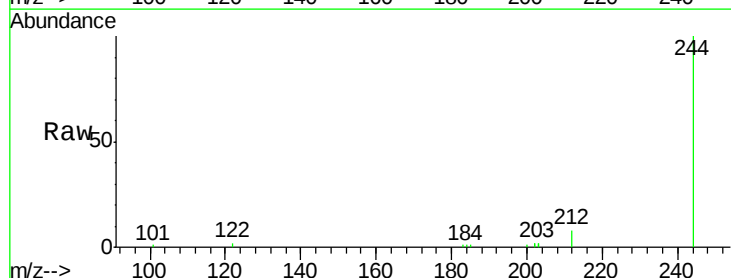
Tgt Ion: 244 Resp: 10210

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

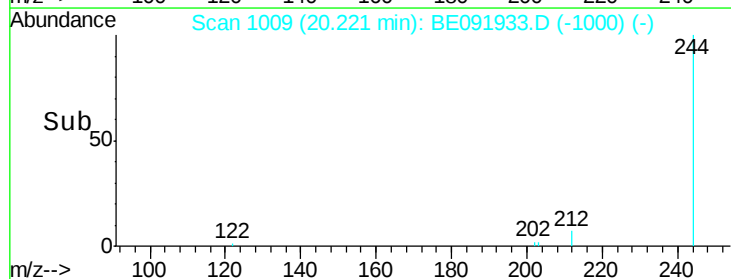
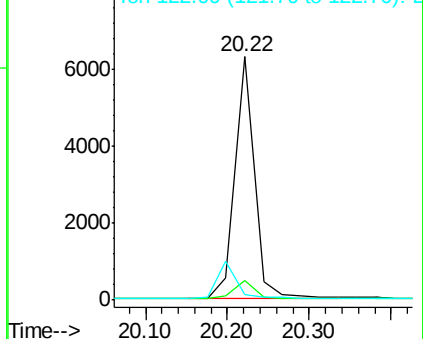
122 2.3 2.9 4.3#

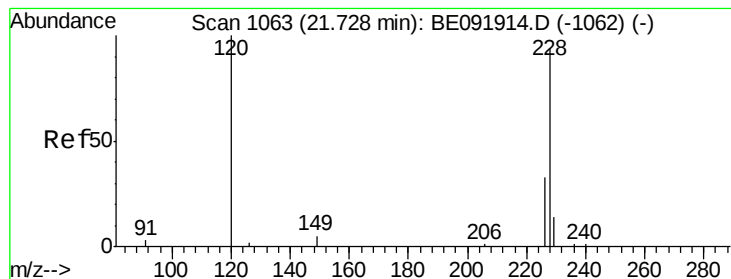


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.97 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

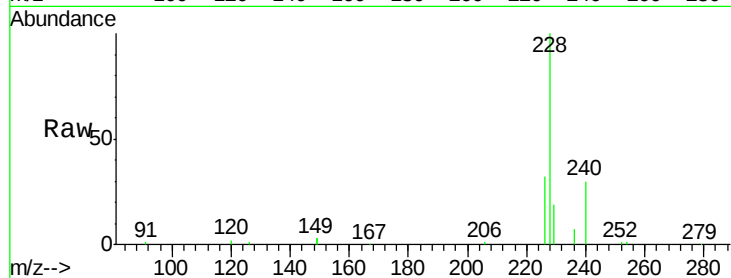
Tgt Ion:228 Resp: 40065

Ion Ratio Lower Upper

228 100

226 31.7 21.0 31.4#

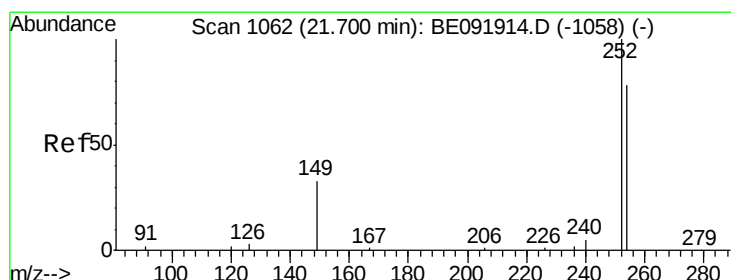
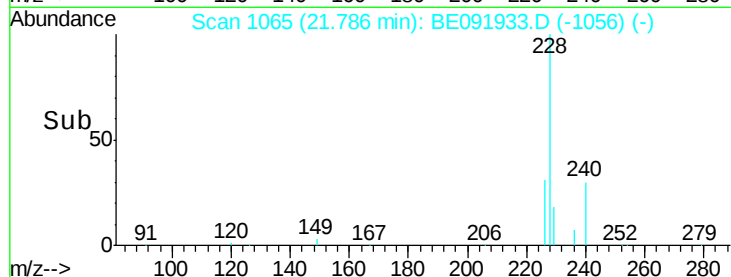
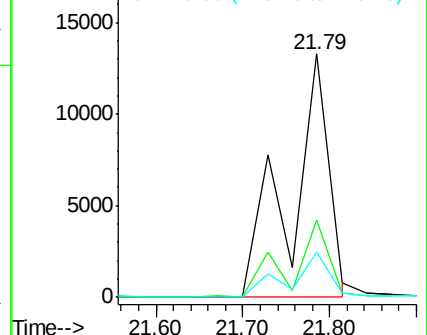
229 18.7 15.8 23.8



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: 0.28 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.03 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

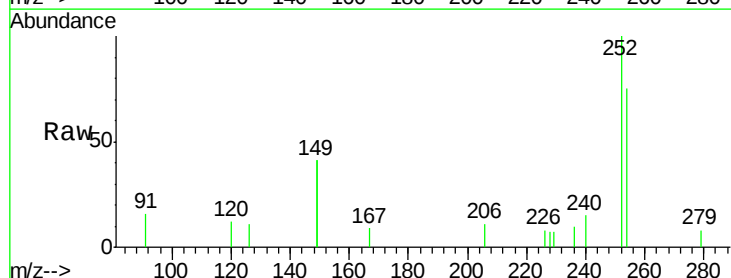
Tgt Ion:252 Resp: 1880

Ion Ratio Lower Upper

252 100

254 74.6 61.5 92.3

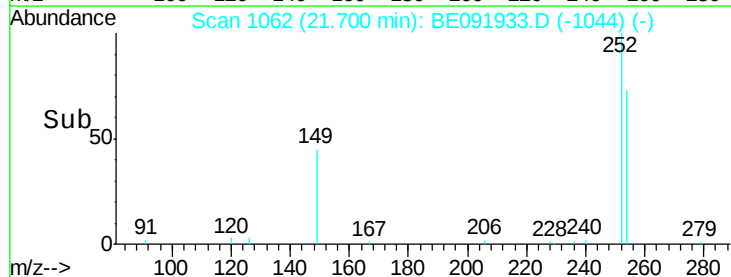
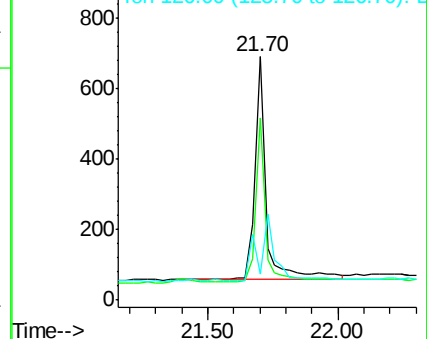
126 10.8 2.5 3.7#

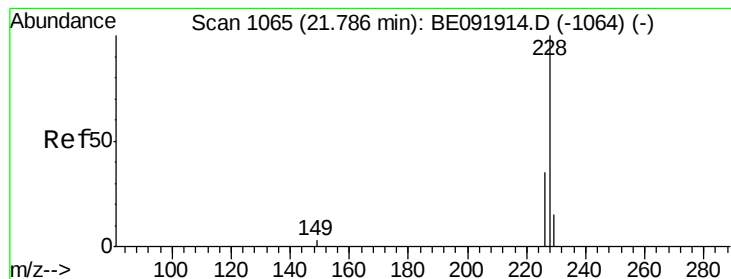


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.68 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

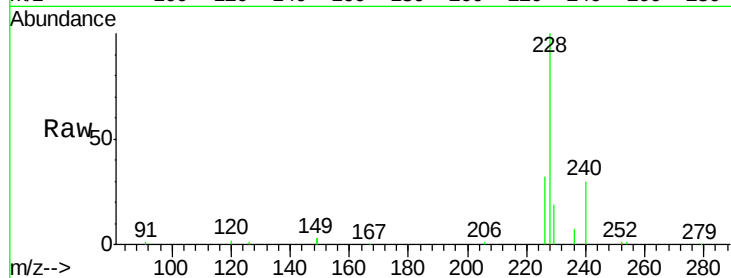
Tgt Ion:228 Resp: 40556

Ion Ratio Lower Upper

228 100

226 31.7 27.0 40.6

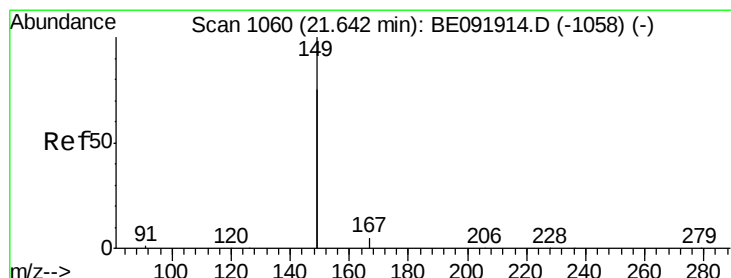
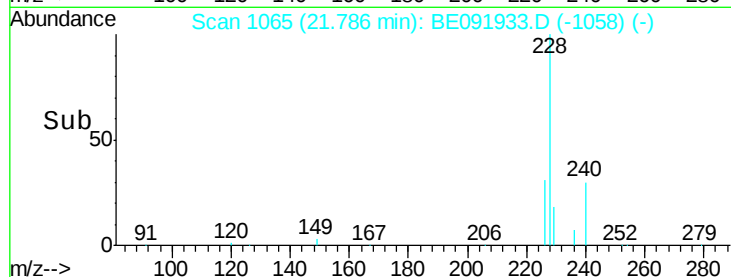
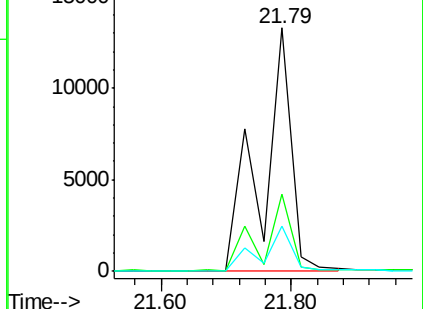
229 18.7 13.8 20.8



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: 0.34 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

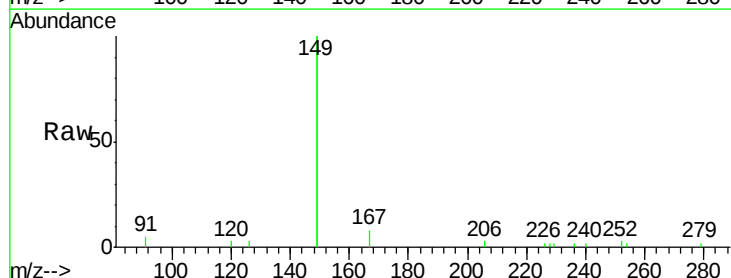
Tgt Ion:149 Resp: 9471

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

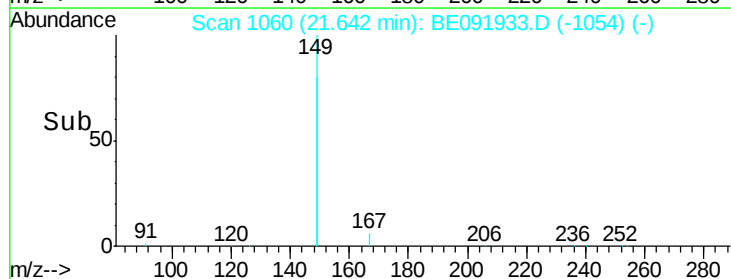
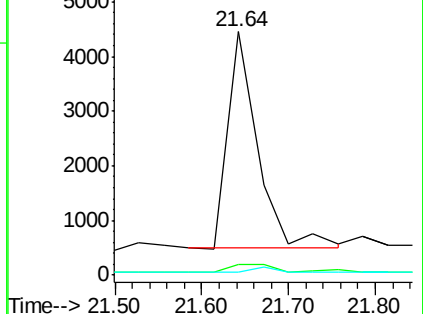
279 0.0 0.0 0.0

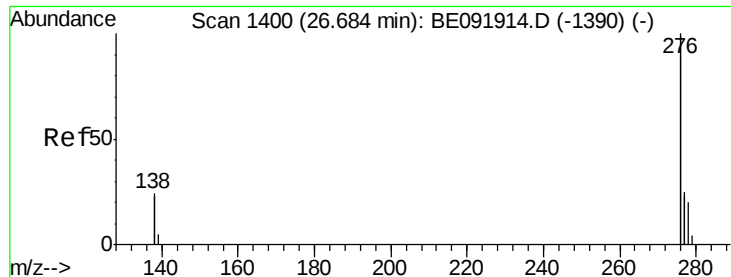


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.33 ng

RT: 26.68 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

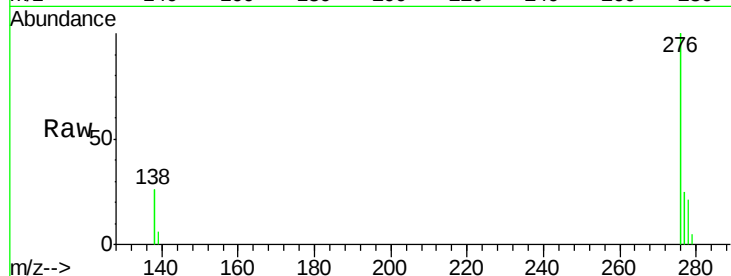
Tgt Ion:276 Resp: 67146

Ion Ratio Lower Upper

276 100

138 26.3 19.7 29.5

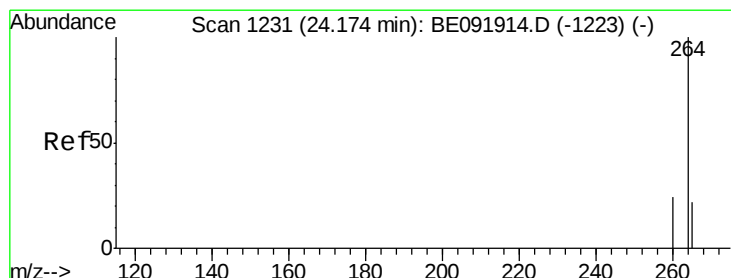
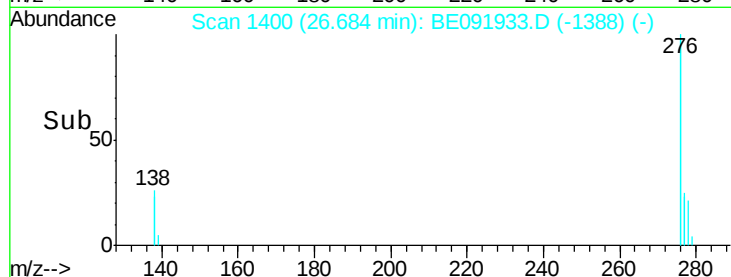
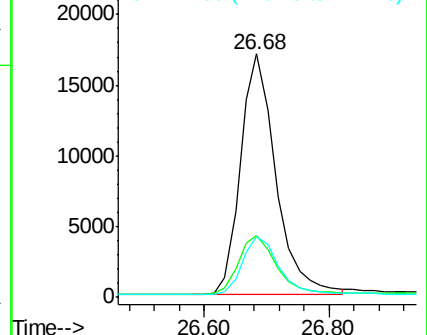
277 24.7 20.1 30.1



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# 1230

Delta R.T. -0.01 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

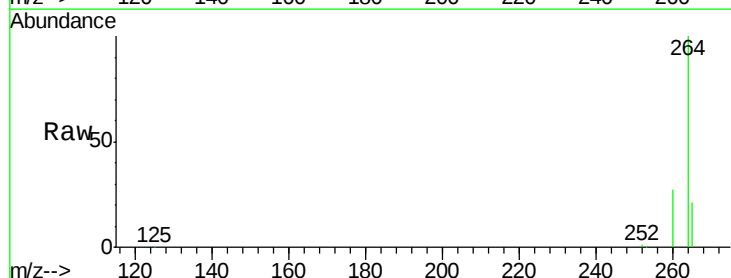
Tgt Ion:264 Resp: 180607

Ion Ratio Lower Upper

264 100

260 26.5 20.3 30.5

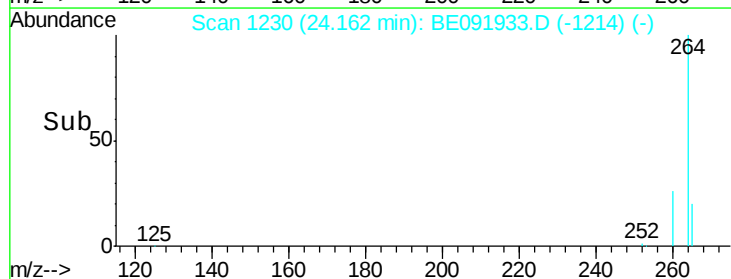
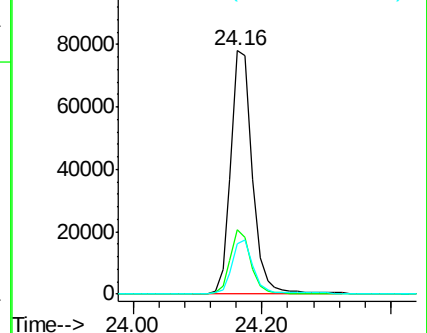
265 20.6 17.6 26.4

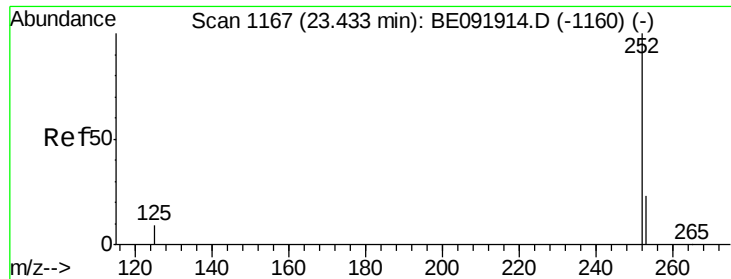


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.38 ng

RT: 23.42 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

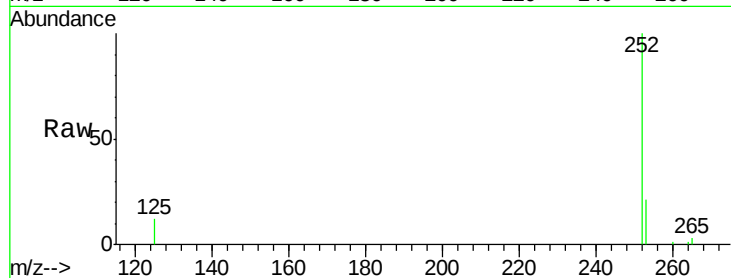
Tgt Ion:252 Resp: 17696

Ion Ratio Lower Upper

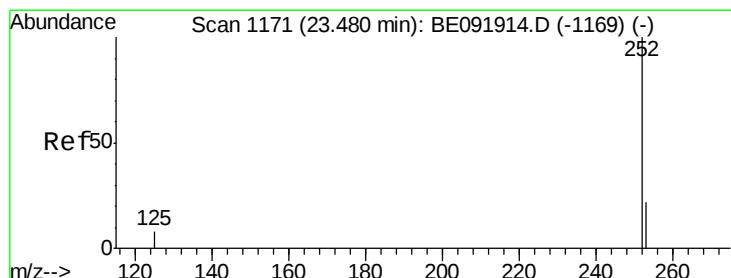
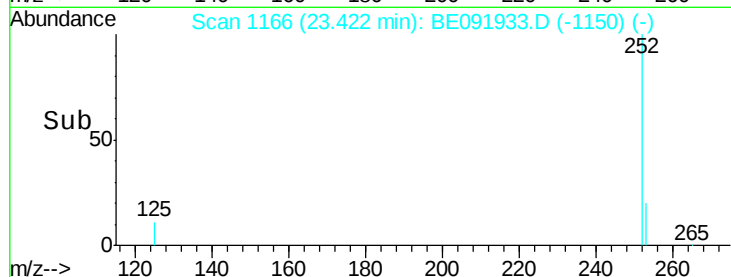
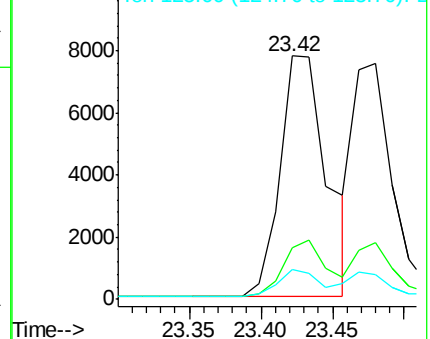
252 100

253 21.2 17.8 26.6

125 12.3 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: 0.34 ng

RT: 23.48 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

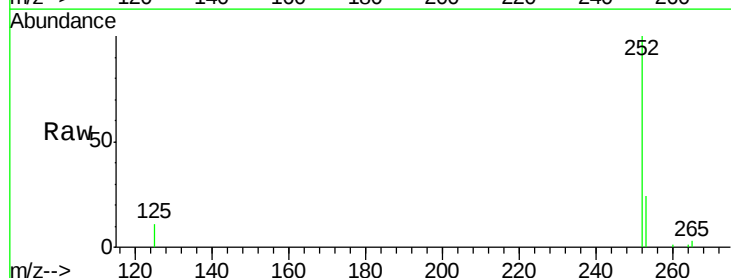
Tgt Ion:252 Resp: 14466

Ion Ratio Lower Upper

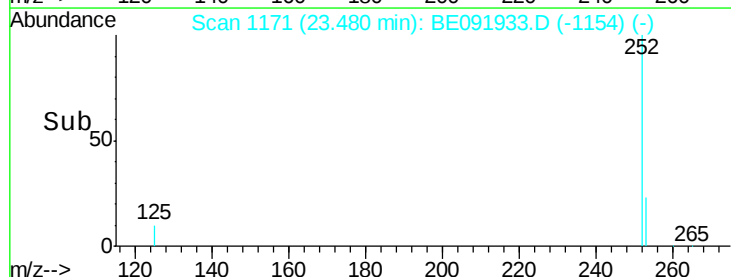
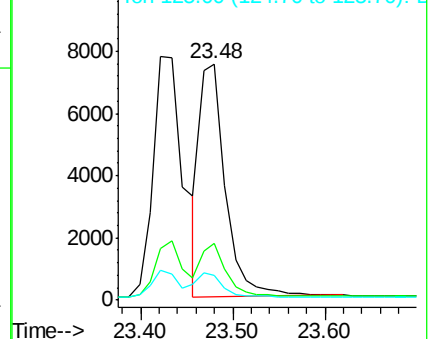
252 100

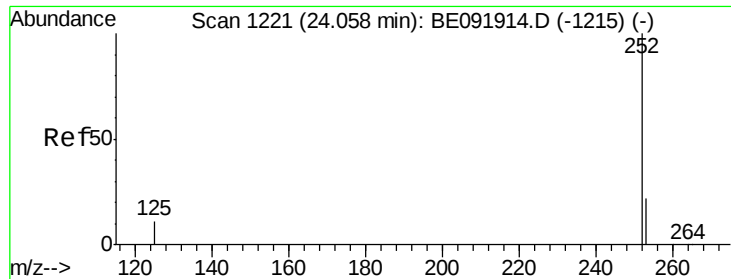
253 24.0 19.4 29.2

125 10.7 8.3 12.5



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





#43

Benzo(a)pyrene

Concen: 0.35 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

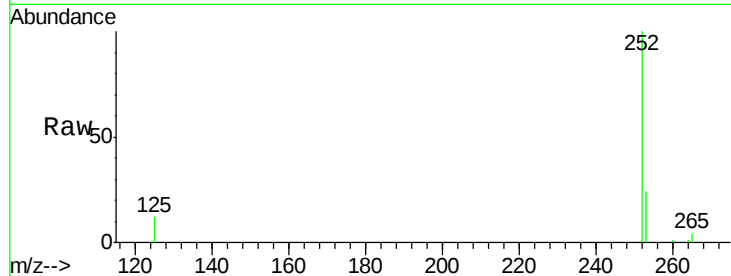
Tgt Ion:252 Resp: 14076

Ion Ratio Lower Upper

252 100

253 23.7 18.9 28.3

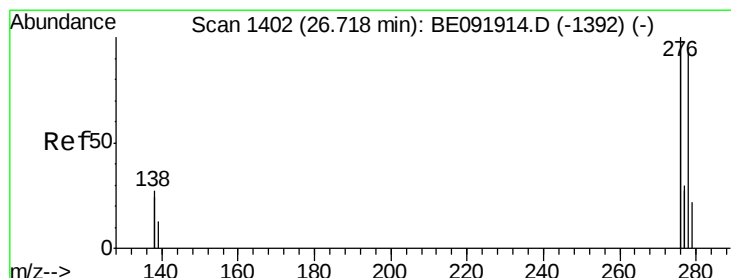
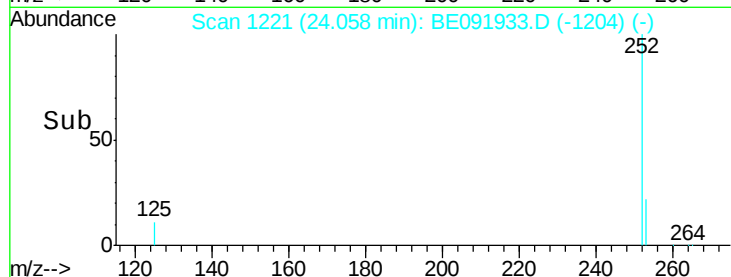
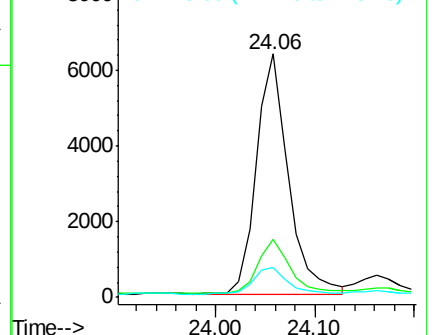
125 12.4 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.35 ng

RT: 26.70 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091933.D

Acq: 15 Jun 2016 20:14

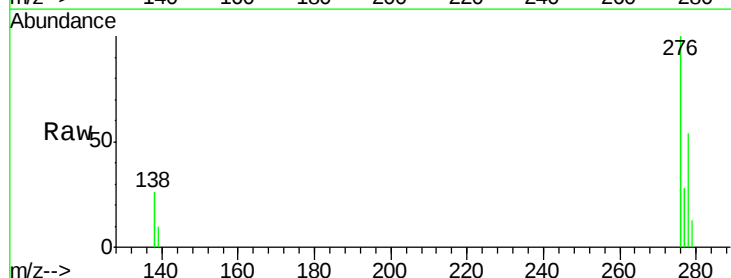
Tgt Ion:278 Resp: 13755

Ion Ratio Lower Upper

278 100

139 19.4 12.6 18.8#

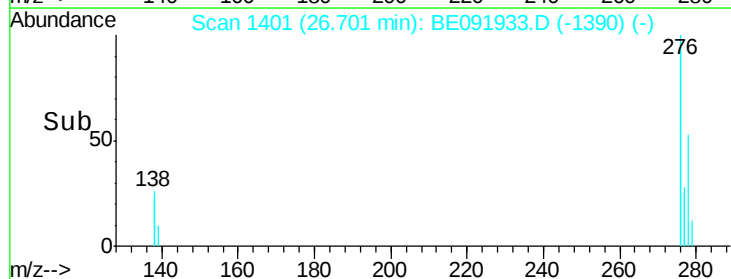
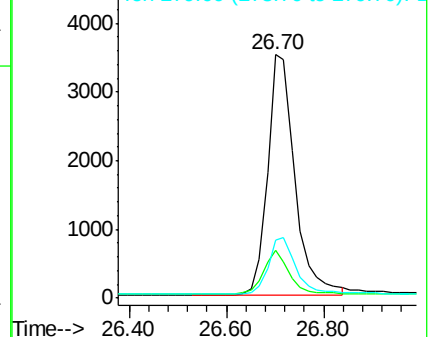
279 24.0 20.0 30.0

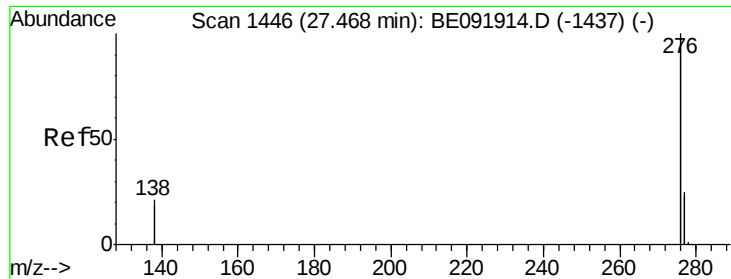


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.35 ng

RT: 27.45 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BE091933.D

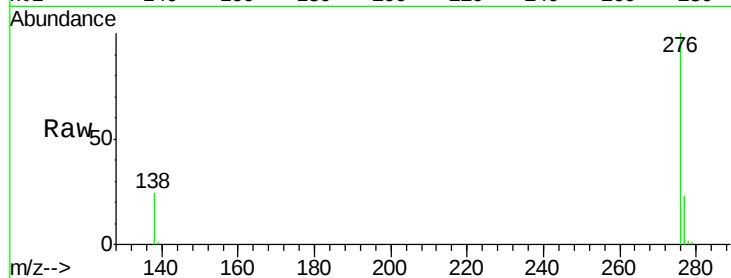
Acq: 15 Jun 2016 20:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



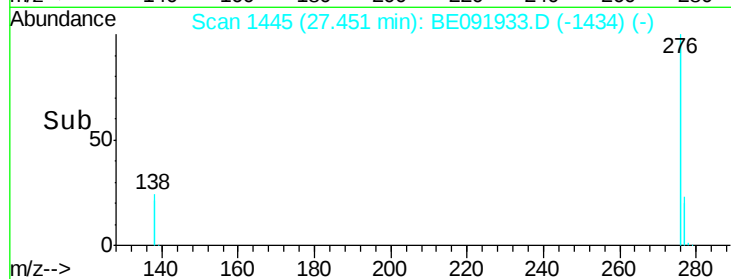
Tgt Ion: 276 Resp: 57095

Ion Ratio Lower Upper

276 100

277 23.2 19.5 29.3

138 24.2 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

