

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070716\
 Data File : BE091989.D
 Acq On : 7 Jul 2016 20:20
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jul 08 01:31:07 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	20389	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	97340	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	69817	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	153954	5.00	ng	0.00
31) Chrysene-d12	21.76	240	271147	5.00	ng	0.00
40) Perylene-d12	24.17	264	189776	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1820	0.37	ng	0.00
5) Phenol-d6	7.37	99	2378	0.35	ng	0.00
9) Nitrobenzene-d5	9.36	82	2410	0.36	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	676	0.41	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	6844	0.40	ng	0.00
34) Terphenyl-d14	20.22	244	10677	0.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1083	0.39	ng	94
3) n-Nitrosodimethylamine	3.82	42	1189	0.37	ng	# 88
6) bis(2-Chloroethyl)ether	7.61	93	2263	0.38	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	1983	0.35	ng	# 98
10) Nitrobenzene	9.42	77	2550	0.35	ng	# 98
11) bis(2-Chloroethoxy)methane	10.42	93	3412	0.42	ng	# 16
12) Naphthalene	11.04	128	8869	0.39	ng	96
13) Hexachlorobutadiene	11.34	225	1309	0.38	ng	98
14) 2-Methylnaphthalene	12.68	142	5516	0.38	ng	97
18) Acenaphthylene	14.56	152	34715	0.40	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	4515	0.35	ng	# 42
20) Acenaphthene	14.92	154	7077	0.37	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	4154m	0.40	ng	
22) Fluorene	15.90	166	7987	0.40	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	4138	0.41	ng	91
25) 4-Bromophenyl-phenylether	16.78	248	2440	0.36	ng	97
26) Hexachlorobenzene	16.90	284	2552m	0.38	ng	
27) Pentachlorophenol	17.26	266	624	0.38	ng	97
28) Phenanthrene	17.64	178	15702	0.39	ng	99
29) Anthracene	17.73	178	13790	0.37	ng	100
30) Fluoranthene	19.65	202	64088	0.37	ng	# 87
32) Benzidine	19.83	184	3816	0.39	ng	# 94
33) Pyrene	20.02	202	65968	0.33	ng	# 80
35) Benzo(a)anthracene	21.73	228	17214m	0.38	ng	
36) 3,3'-Dichlorobenzidine	21.70	252	3748	0.25	ng	# 99
37) Chrysene	21.79	228	26353m	0.41	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	12908	0.25	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	78818	0.31	ng	98
41) Benzo(b)fluoranthene	23.43	252	20270	0.39	ng	97
42) Benzo(k)fluoranthene	23.48	252	18176	0.36	ng	99
43) Benzo(a)pyrene	24.06	252	17698	0.36	ng	99
44) Dibenzo(a,h)anthracene	26.72	278	15997	0.34	ng	100
45) Benzo(a,h,i)perylene	27.47	276	66771	0.35	ng	99

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QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

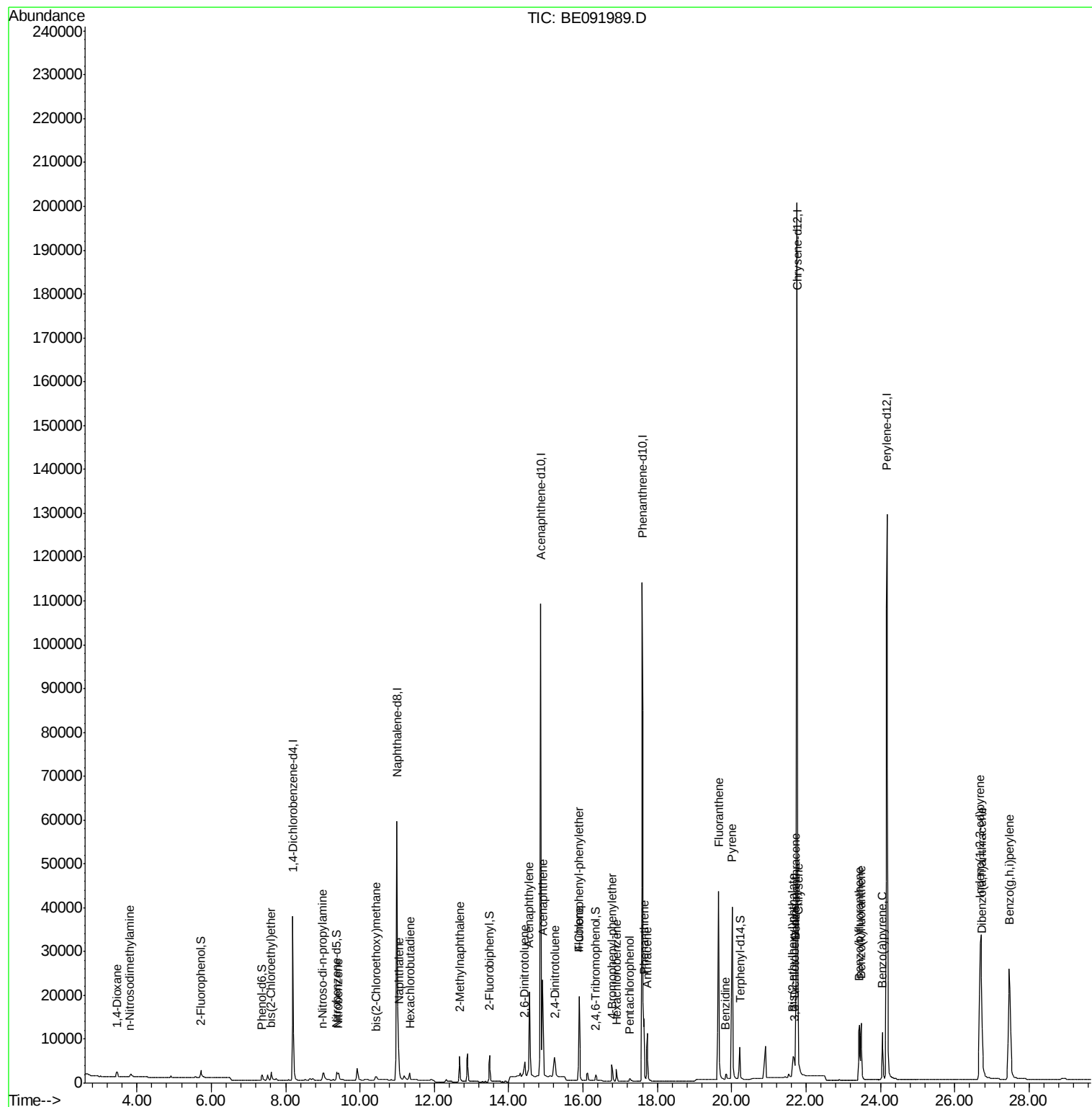
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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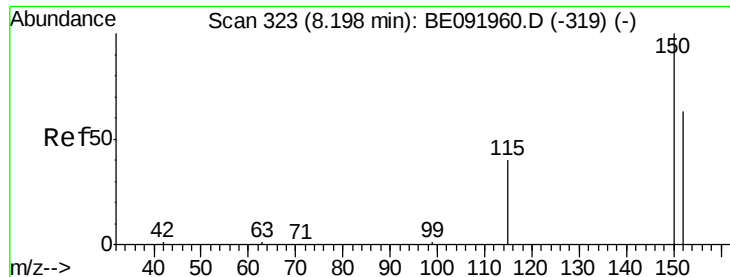
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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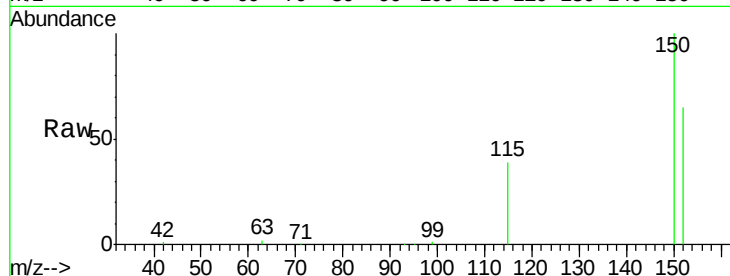


#1

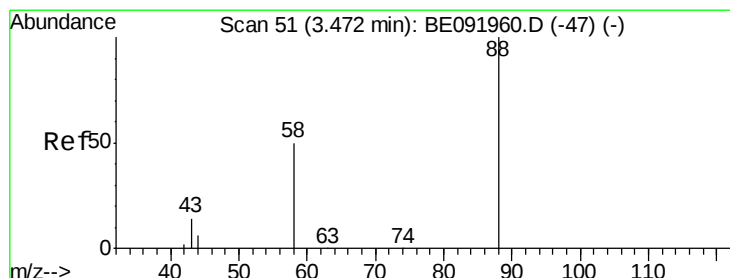
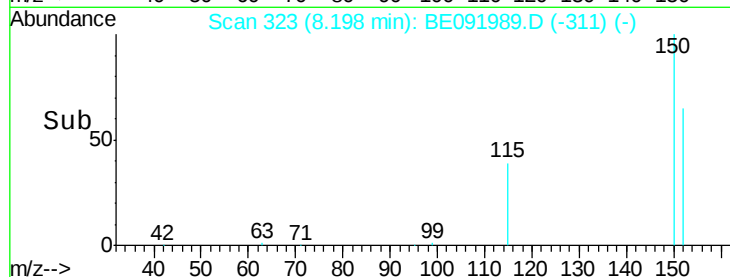
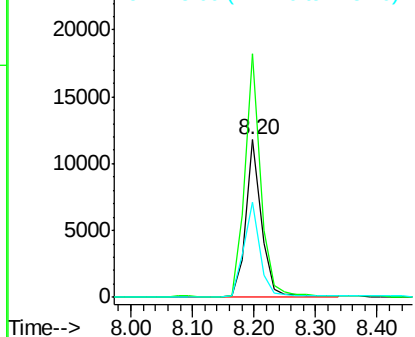
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:152 Resp: 20389
Ion Ratio Lower Upper
152 100
150 154.4 123.9 185.9
115 60.0 48.3 72.5



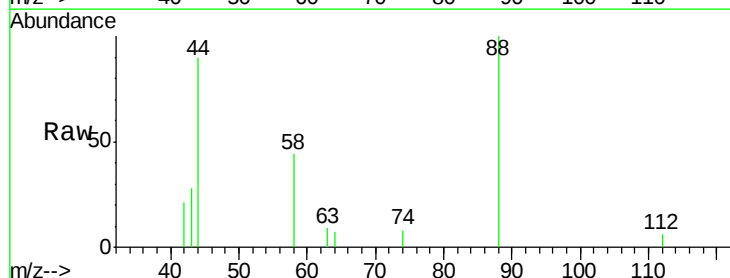
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



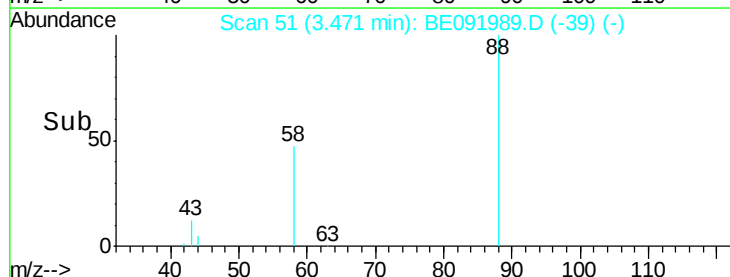
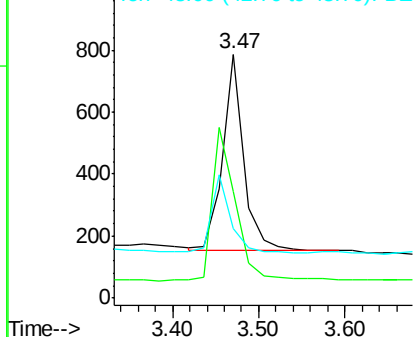
#2

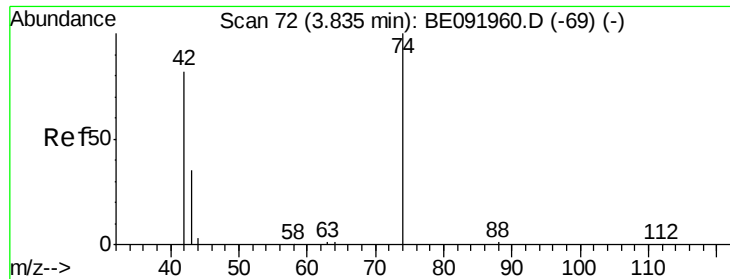
1,4-Dioxane
Concen: 0.39 ng
RT: 3.47 min Scan# 51
Delta R.T. -0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Tgt Ion: 88 Resp: 1083
Ion Ratio Lower Upper
88 100
58 86.2 63.0 94.4
43 36.1 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: 0.37 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

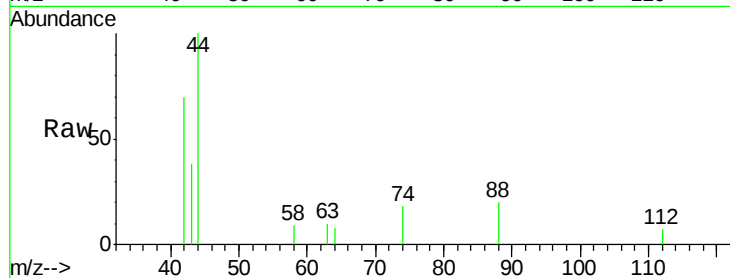
Tot Ion: 42 Resp: 1189

Ion Ratio Lower Upper

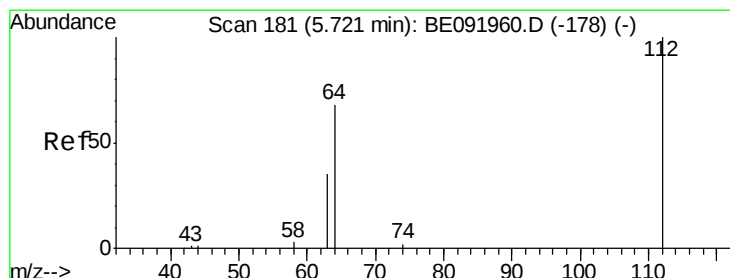
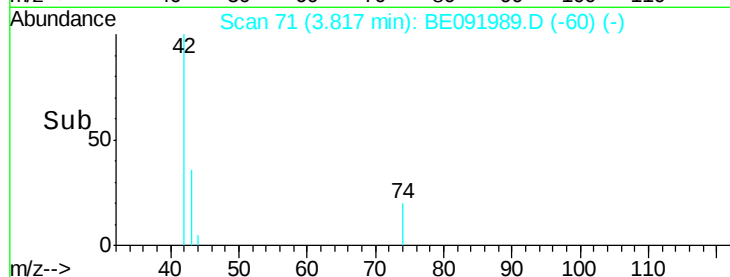
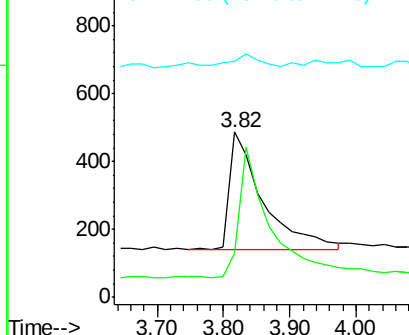
42 100

74 103.4 93.4 140.0

44 8.7 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: 0.37 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

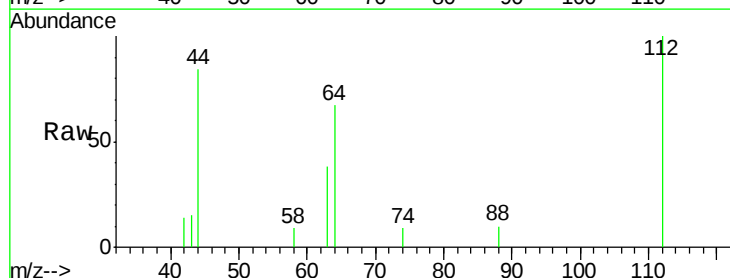
Tgt Ion: 112 Resp: 1820

Ion Ratio Lower Upper

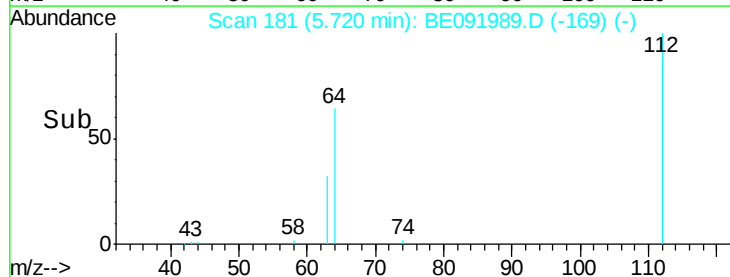
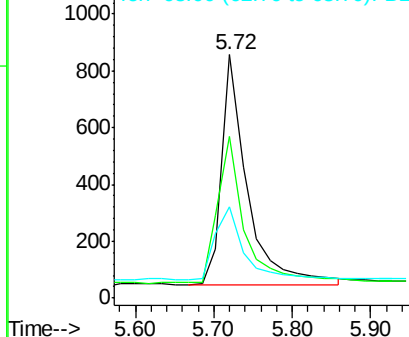
112 100

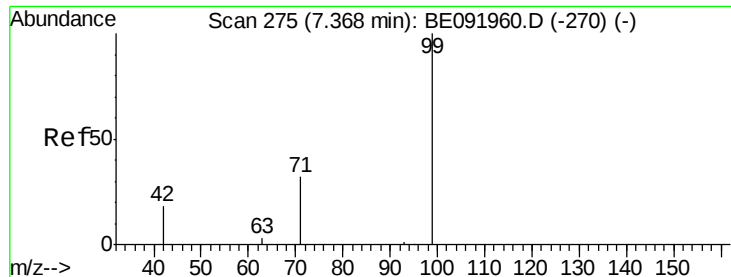
64 66.1 53.7 80.5

63 36.9 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.35 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

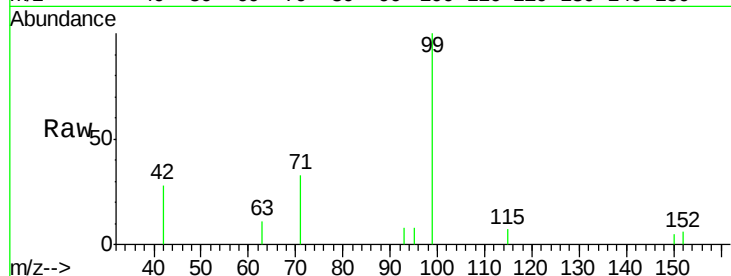
Tot Ion: 99 Resp: 2378

Ion Ratio Lower Upper

99 100

42 26.5 19.6 29.4

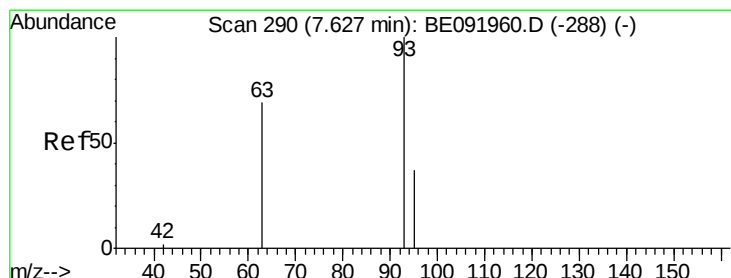
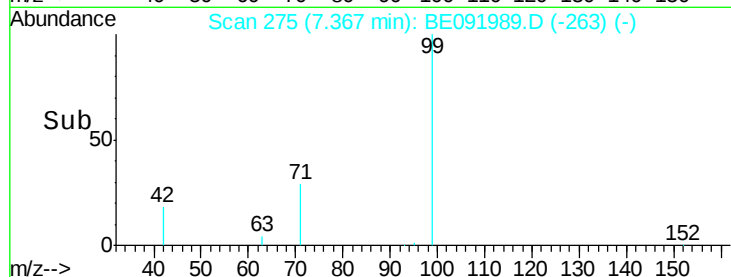
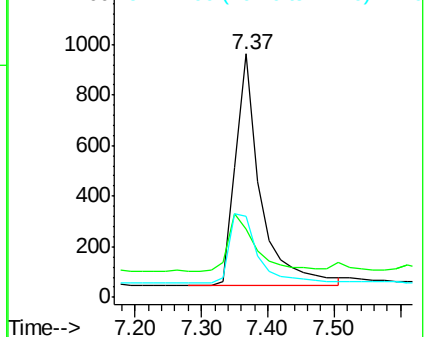
71 35.8 28.1 42.1



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: 0.38 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

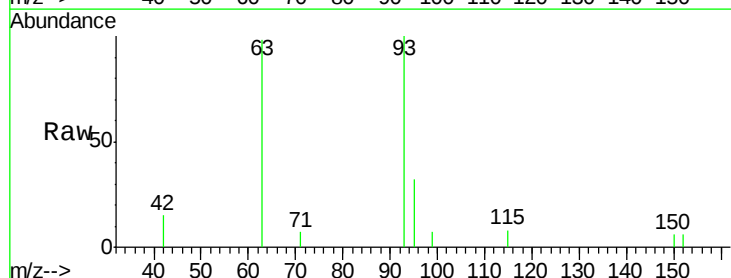
Tgt Ion: 93 Resp: 2263

Ion Ratio Lower Upper

93 100

63 79.8 66.2 99.4

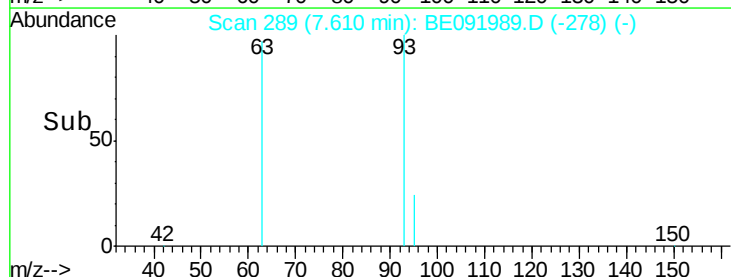
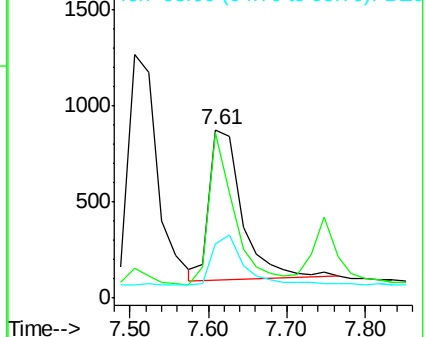
95 33.2 25.5 38.3

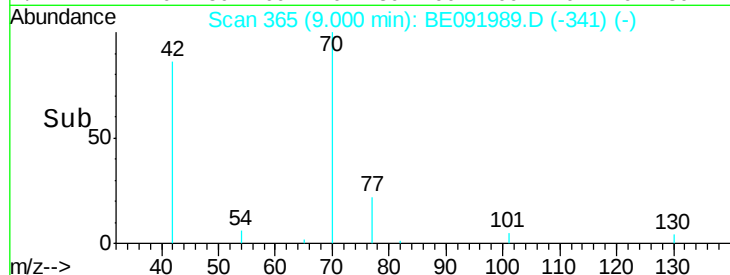
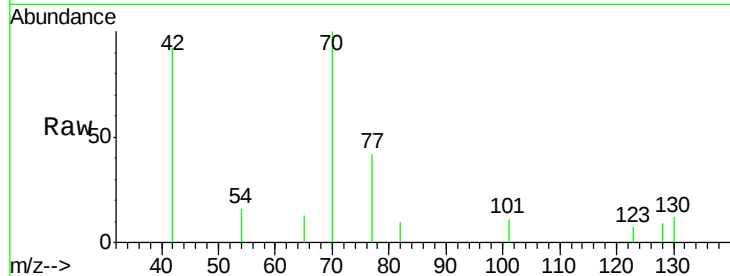
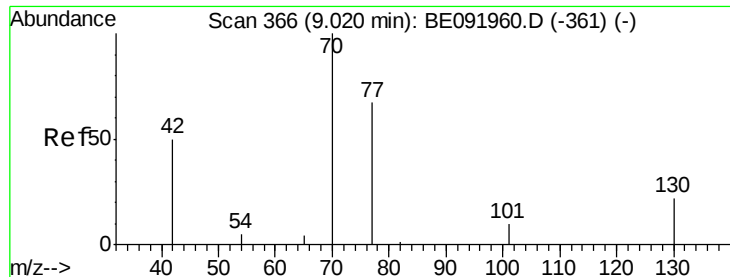


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.35 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion: 70 Resp: 1983

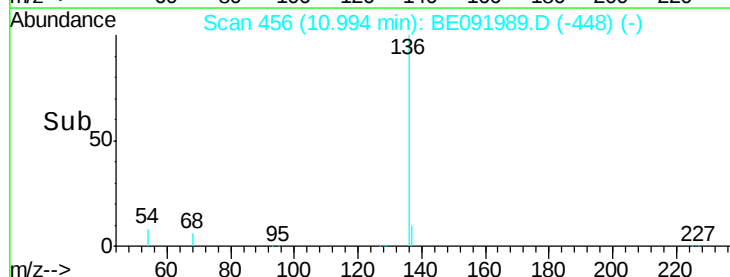
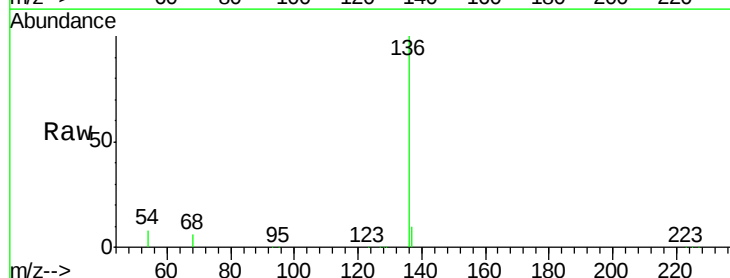
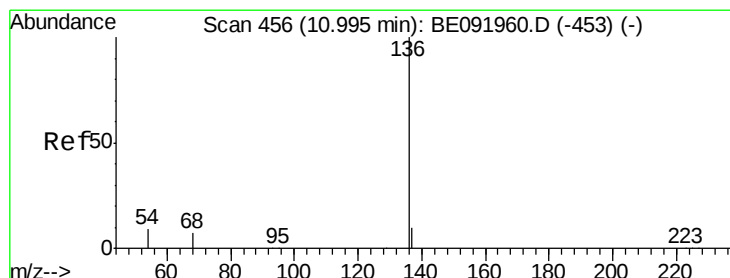
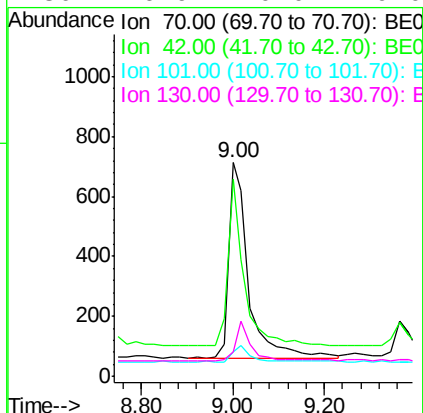
Ion Ratio Lower Upper

70 100

42 71.7 58.4 87.6

101 8.5 6.4 9.6

130 16.9 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Tgt Ion: 136 Resp: 97340

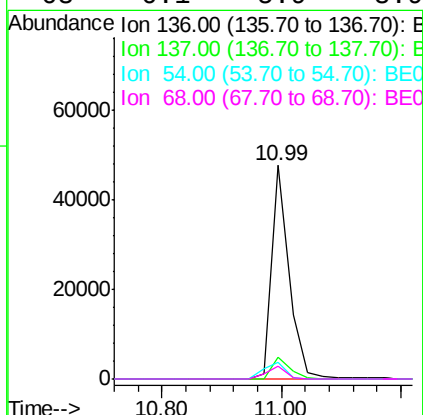
Ion Ratio Lower Upper

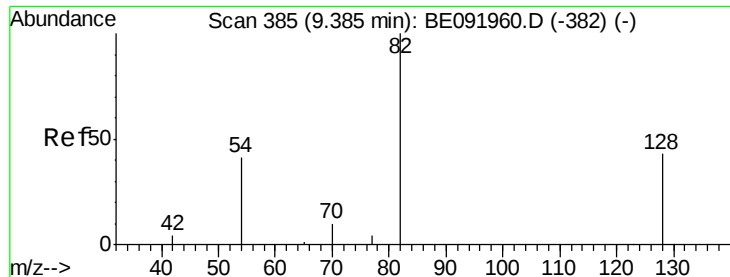
136 100

137 10.2 8.3 12.5

54 7.9 8.2 12.4#

68 6.1 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.36 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

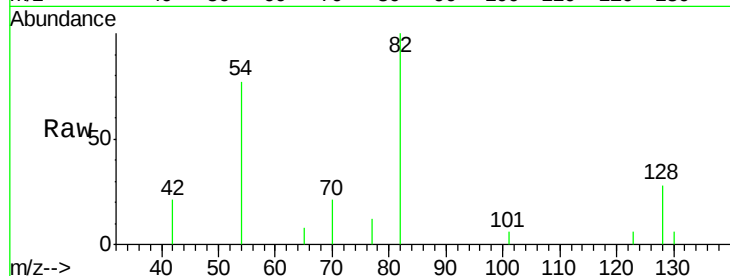
Tot Ion: 82 Resp: 2410

Ion Ratio Lower Upper

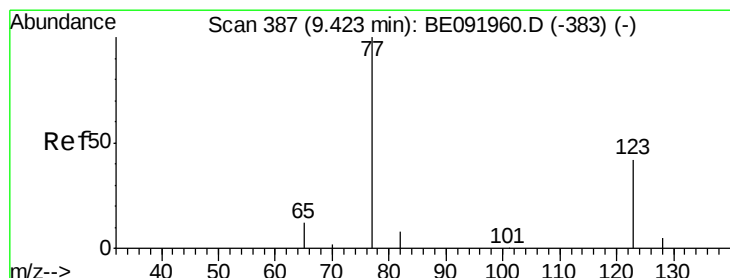
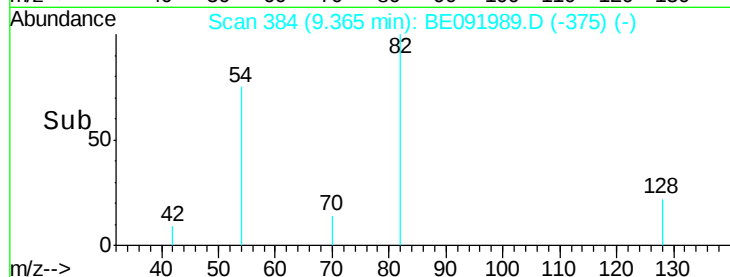
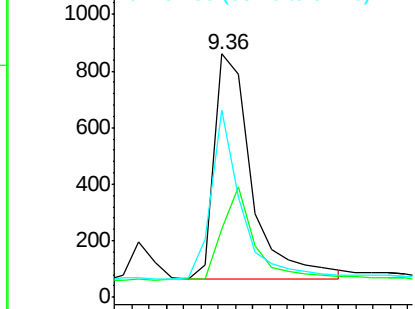
82 100

128 27.8 39.5 59.3#

54 77.0 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: 0.35 ng

RT: 9.42 min Scan# 387

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

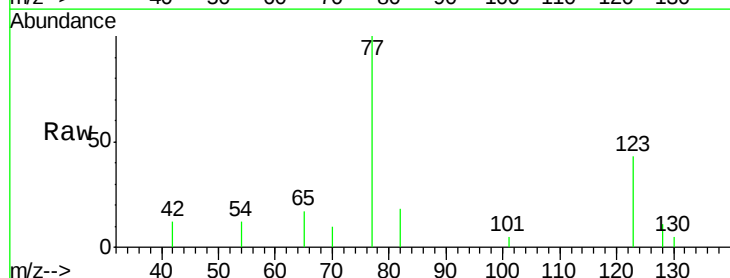
Tgt Ion: 77 Resp: 2550

Ion Ratio Lower Upper

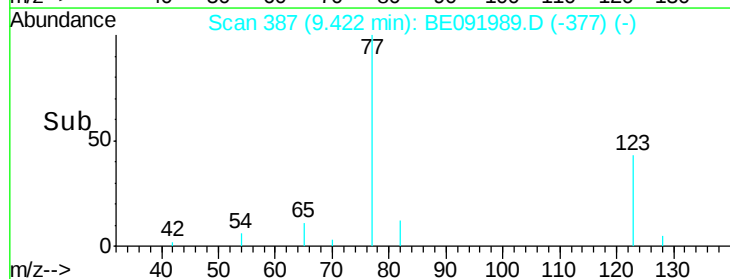
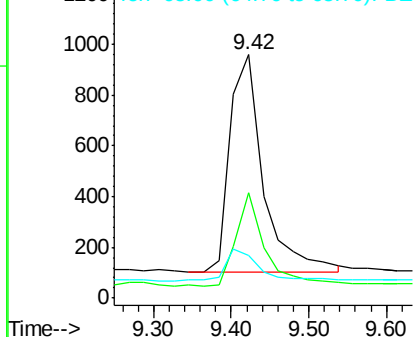
77 100

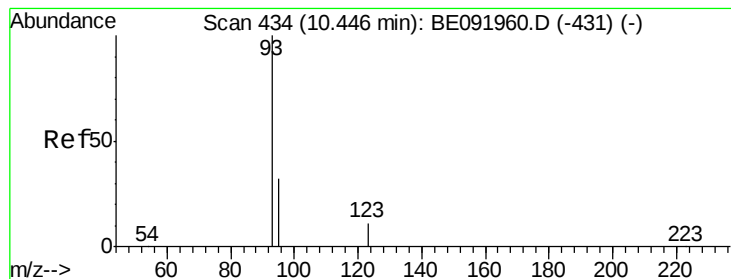
123 37.6 0.0 0.0#

65 14.5 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: 0.42 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.03 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

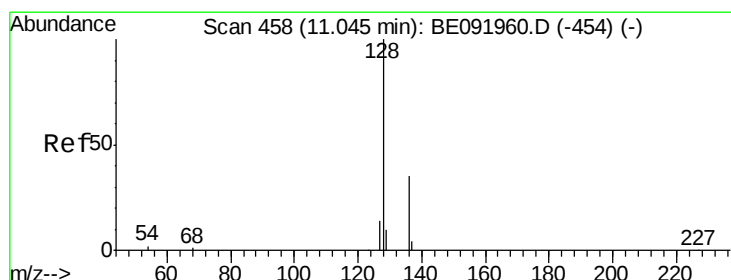
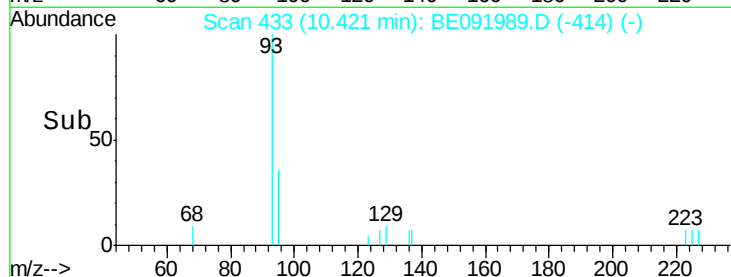
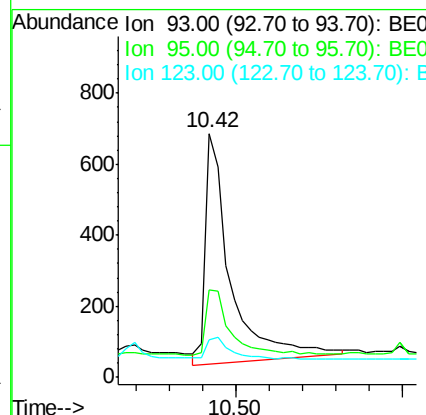
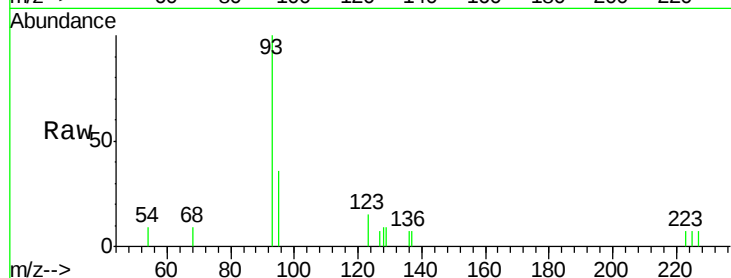
Tot Ion: 93 Resp: 3412

Ion Ratio Lower Upper

93 100

95 39.0 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 0.39 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

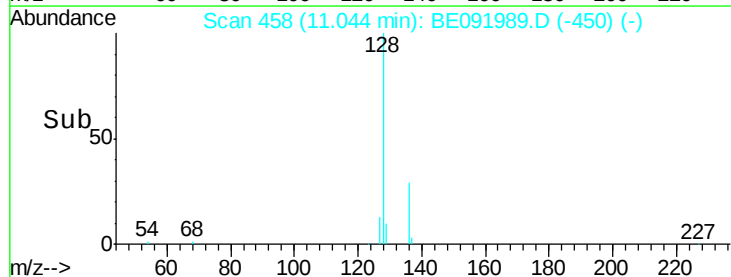
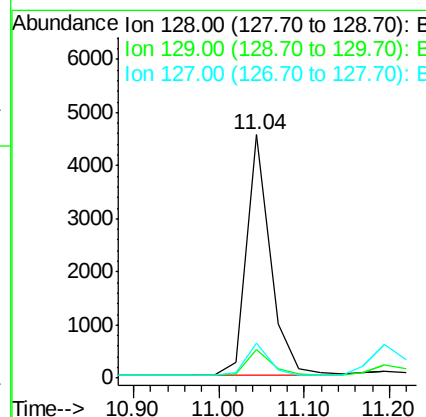
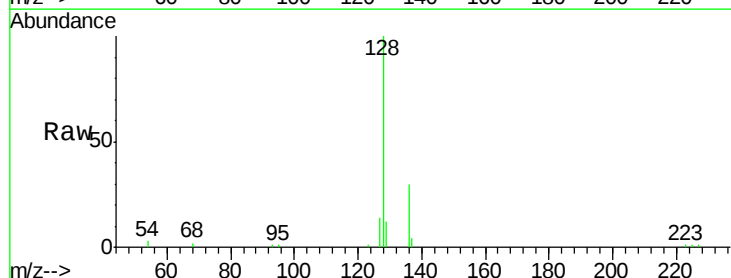
Tgt Ion: 128 Resp: 8869

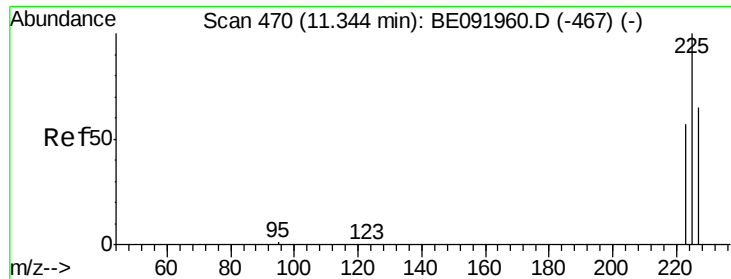
Ion Ratio Lower Upper

128 100

129 11.6 10.4 15.6

127 14.2 10.2 15.2

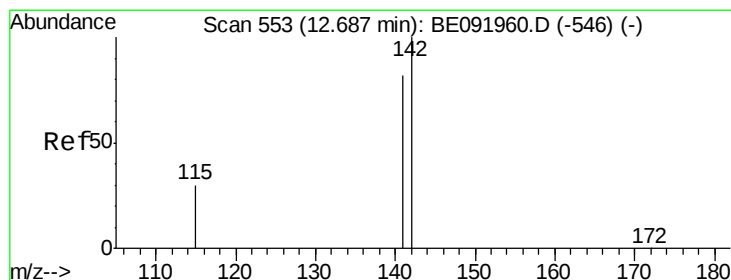
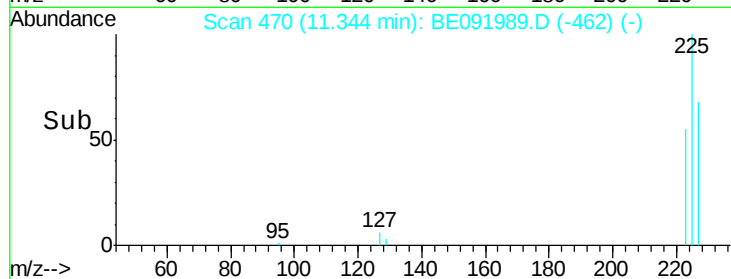
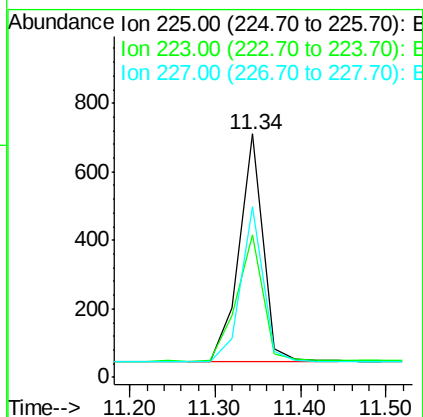
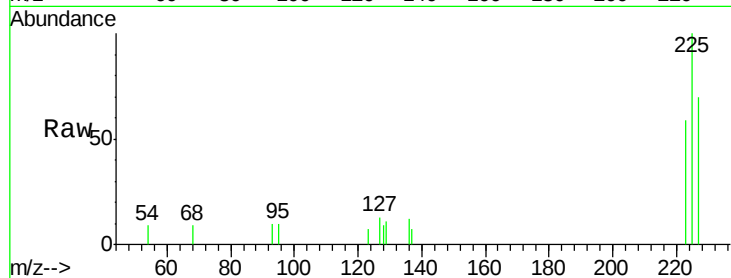




#13
Hexachlorobutadiene
Concen: 0.38 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

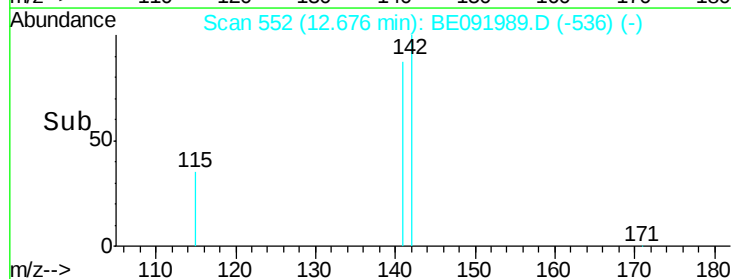
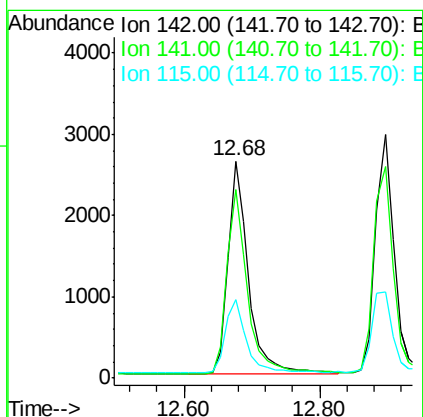
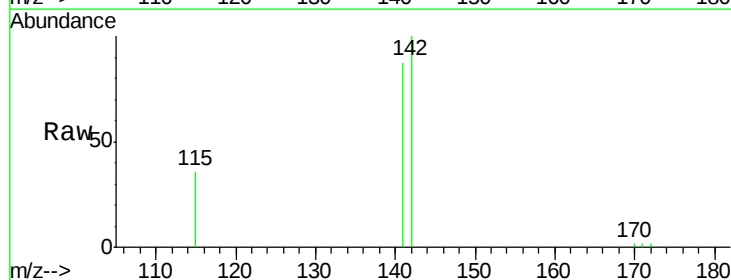
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

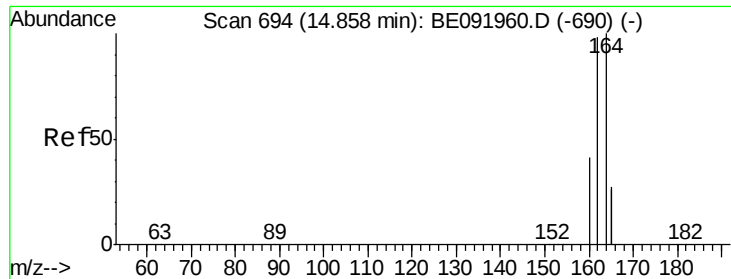
Tot Ion:225 Resp: 1309
Ion Ratio Lower Upper
225 100
223 60.4 49.8 74.8
227 63.8 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Tgt Ion:142 Resp: 5516
Ion Ratio Lower Upper
142 100
141 87.2 71.9 107.9
115 36.4 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: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

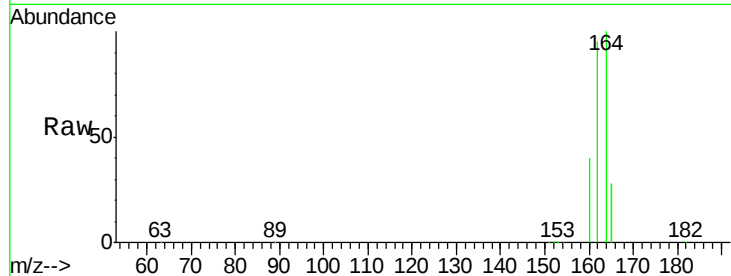
Tot Ion:164 Resp: 69817

Ion Ratio Lower Upper

164 100

162 95.0 71.8 107.8

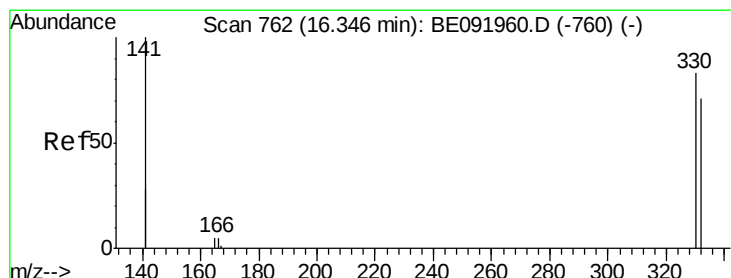
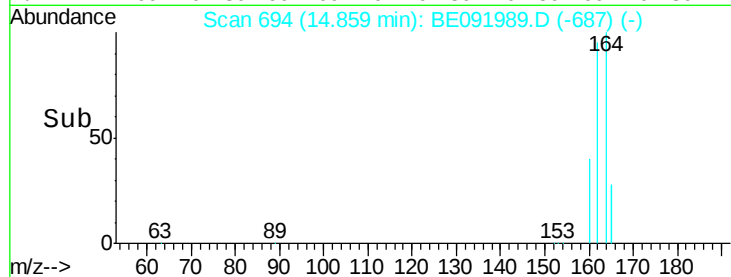
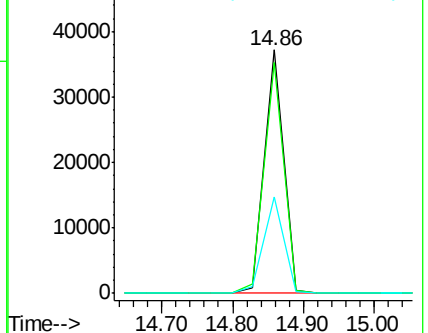
160 39.8 28.0 42.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.41 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

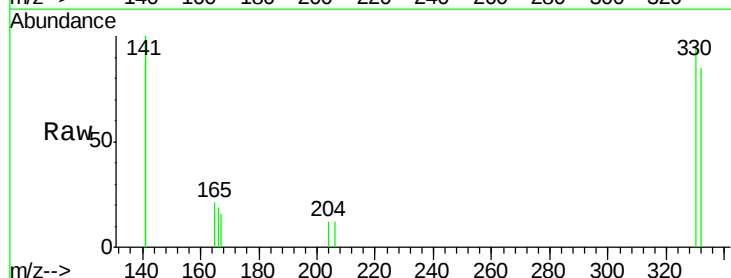
Tgt Ion:330 Resp: 676

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

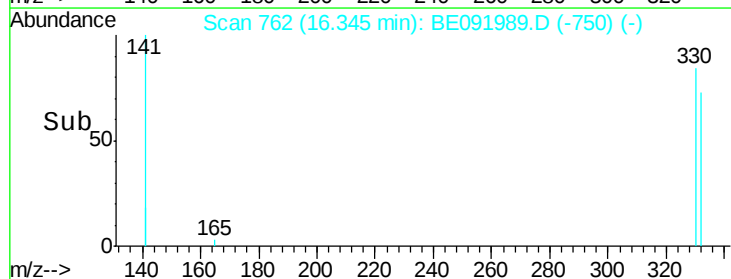
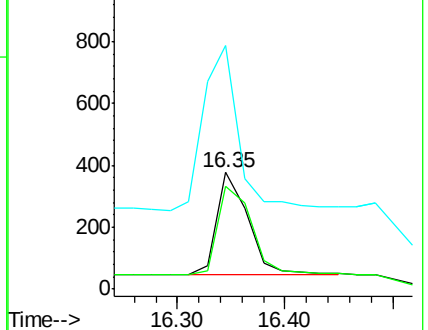
141 181.5 138.4 207.6

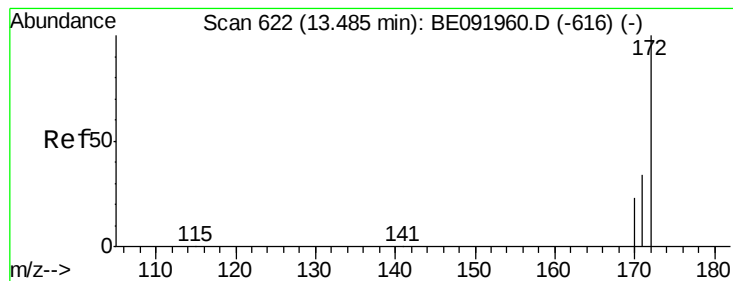


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

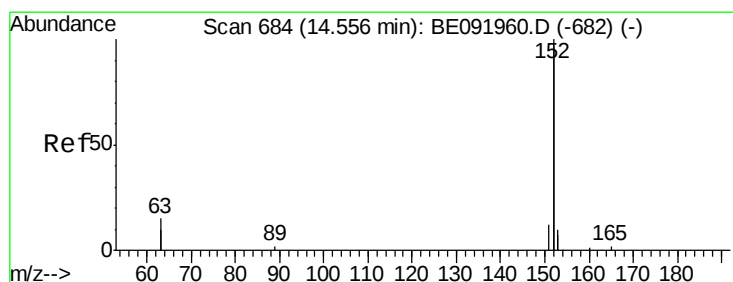
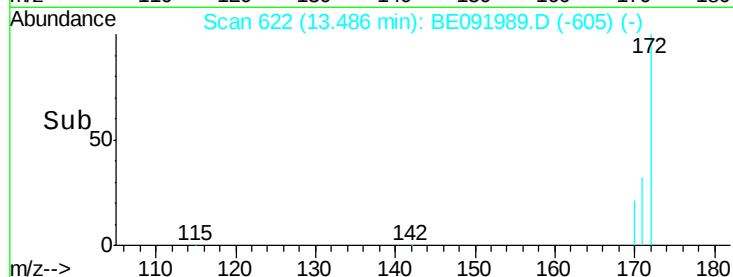
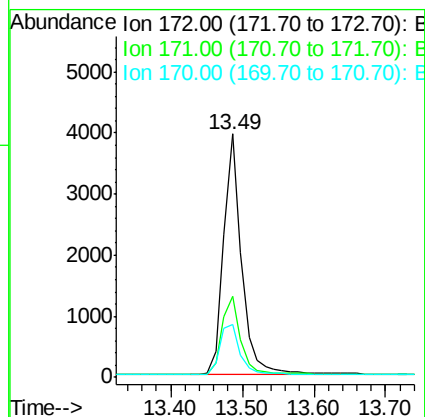
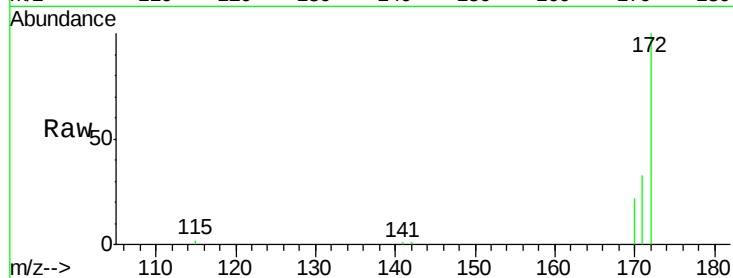




#17
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

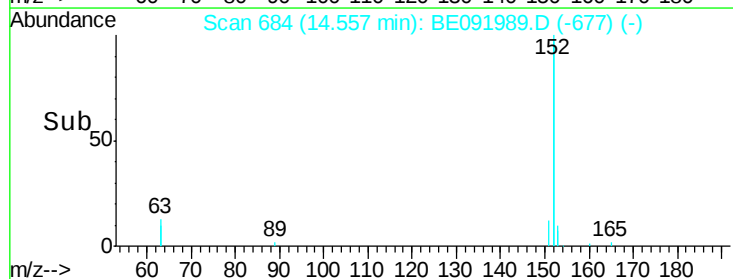
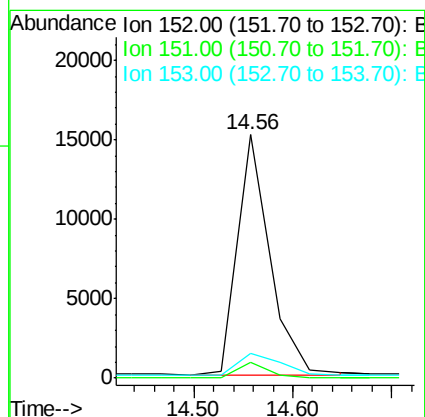
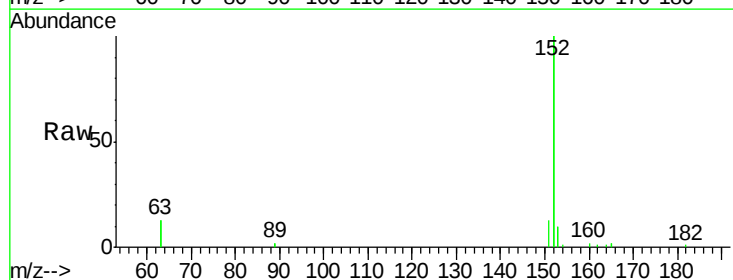
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

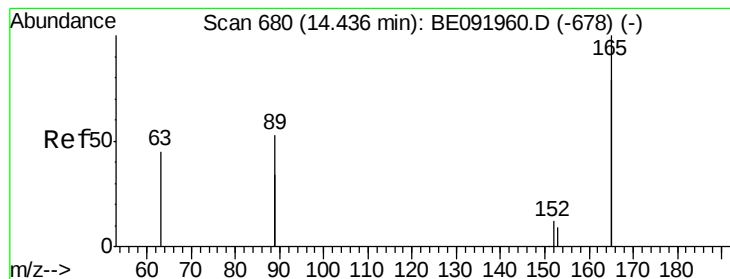
Tot Ion:172 Resp: 6844
Ion Ratio Lower Upper
172 100
171 33.4 24.3 36.5
170 21.7 14.9 22.3



#18
Acenaphthylene
Concen: 0.40 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Tgt Ion:152 Resp: 34715
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 11.4 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.35 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

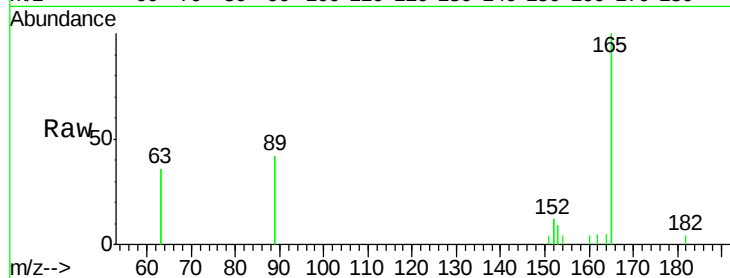
Tot Ion:165 Resp: 4515

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

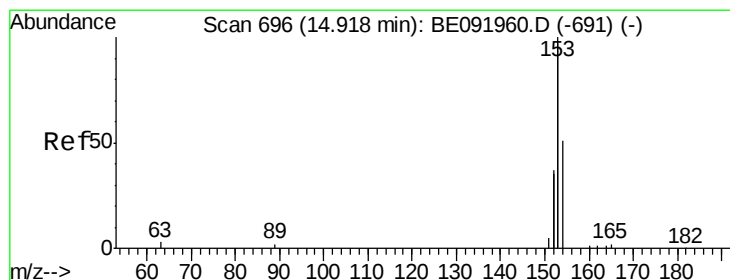
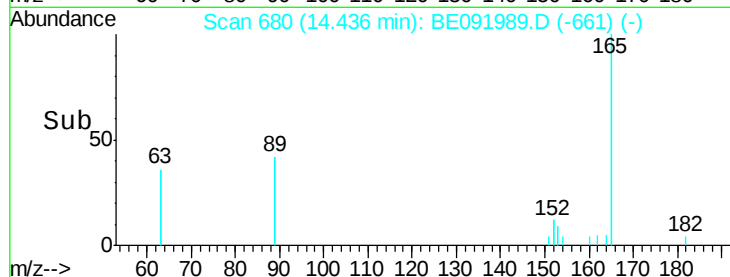
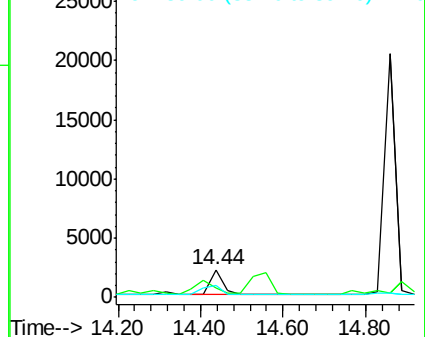
89 57.1 59.1 88.7#



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: BE091989.D

Acq: 7 Jul 2016 20:20

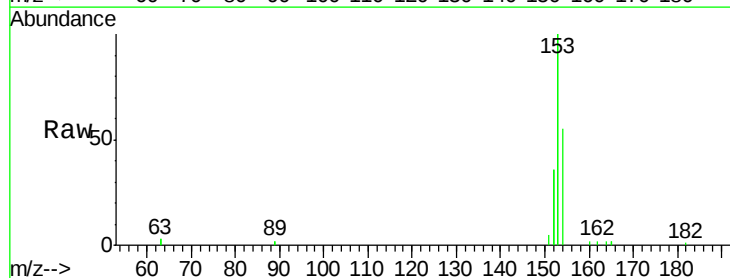
Tgt Ion:154 Resp: 7077

Ion Ratio Lower Upper

154 100

153 380.5 88.1 132.1#

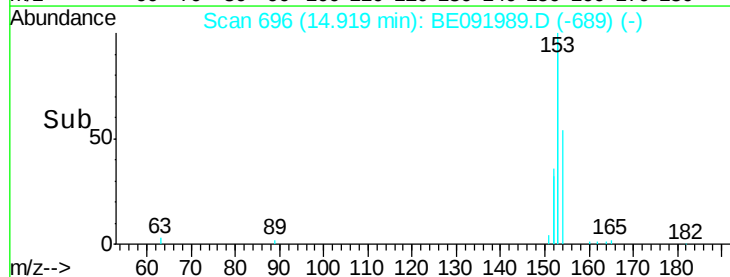
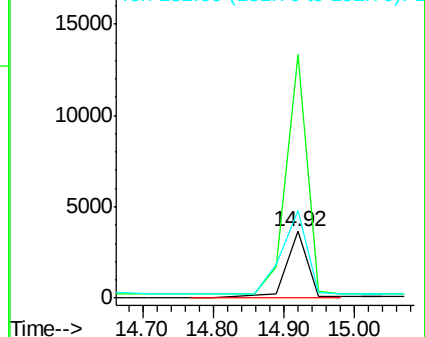
152 161.4 44.2 66.2#

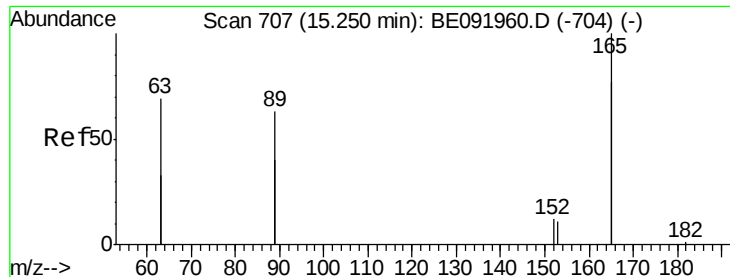


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

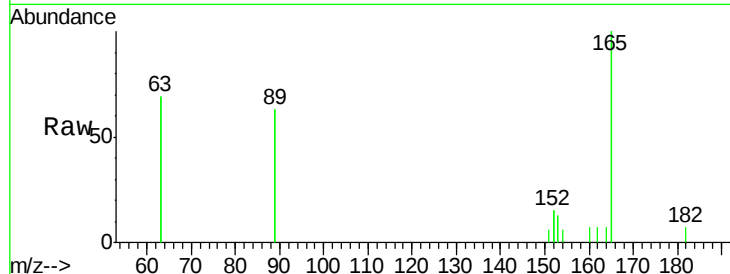




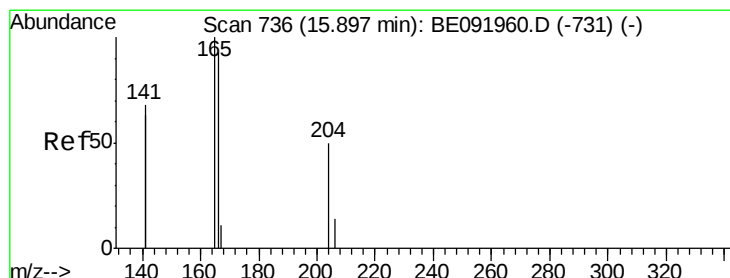
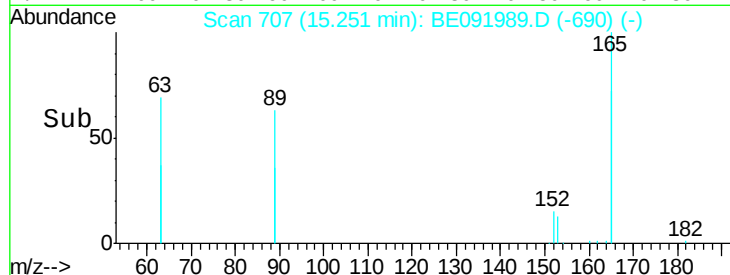
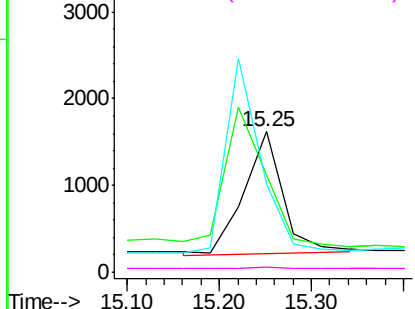
#21
2,4-Dinitrotoluene
Concen: 0.40 ng m
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:165 Resp: 4154
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

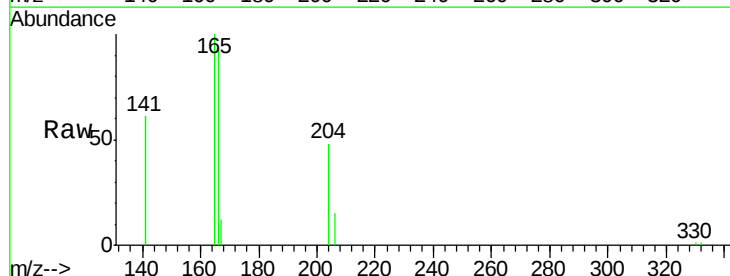


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

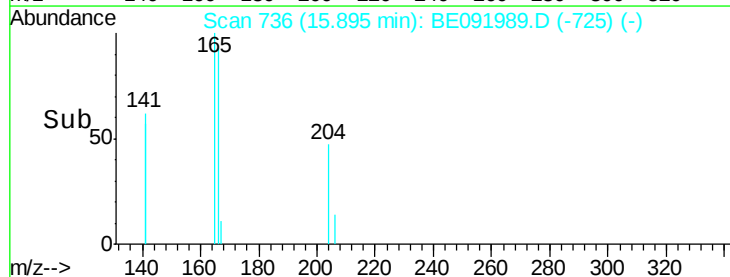
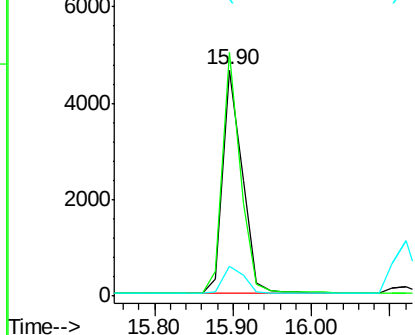


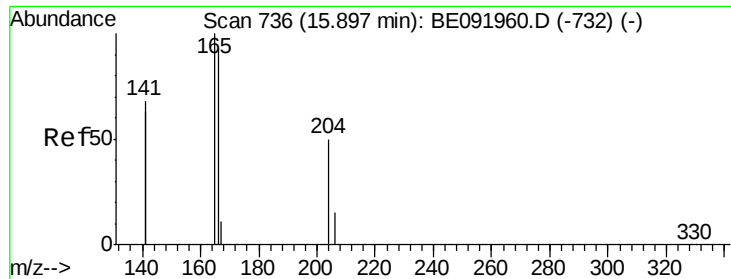
#22
Fluorene
Concen: 0.40 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Tgt Ion:166 Resp: 7987
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 13.6 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

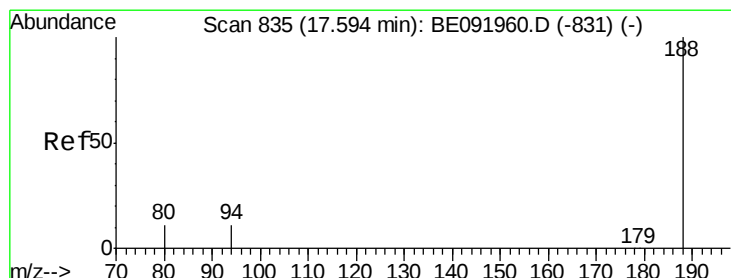
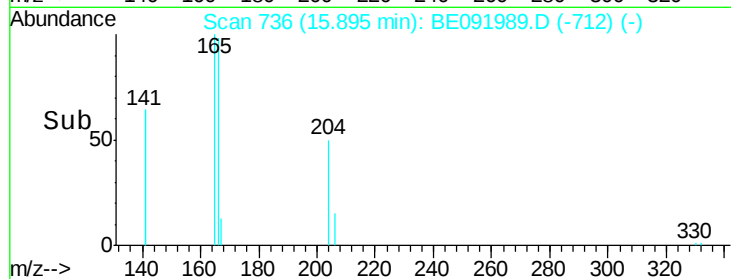
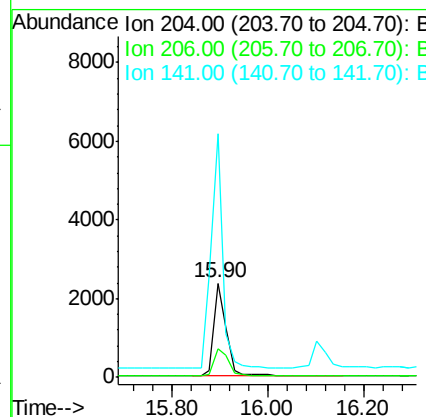
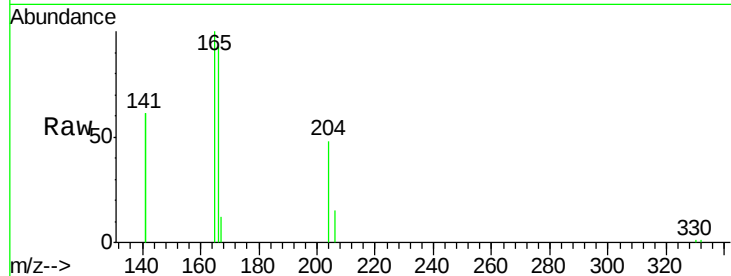




#23
 4-Chlorophenyl-phenylether
 Concen: 0.41 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091989.D
 Acq: 7 Jul 2016 20:20

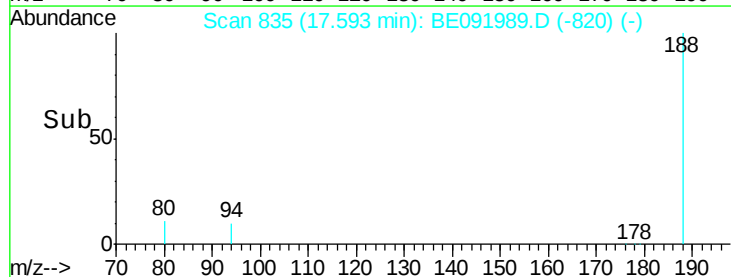
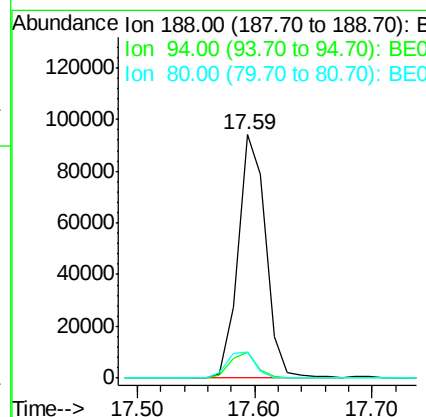
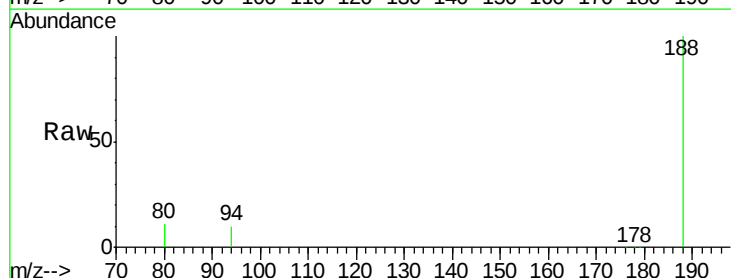
Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

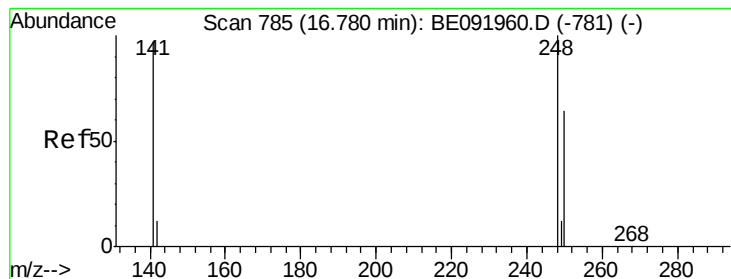
Tot Ion:204 Resp: 4138
 Ion Ratio Lower Upper
 204 100
 206 33.4 27.8 41.6
 141 263.8 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE091989.D
 Acq: 7 Jul 2016 20:20

Tgt Ion:188 Resp: 153954
 Ion Ratio Lower Upper
 188 100
 94 10.5 4.1 6.1#
 80 10.5 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.36 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

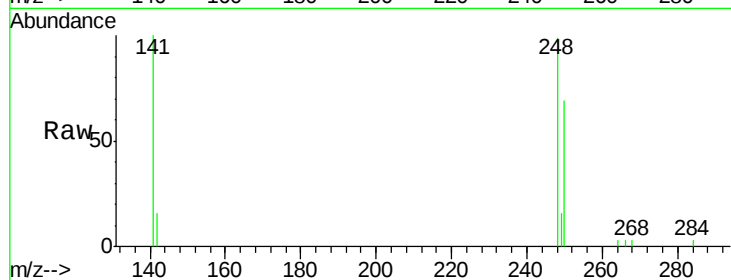
Tot Ion:248 Resp: 2440

Ion Ratio Lower Upper

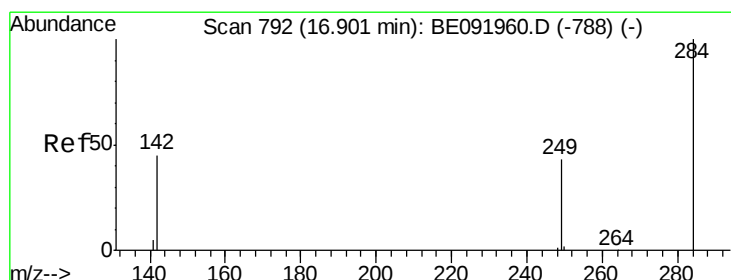
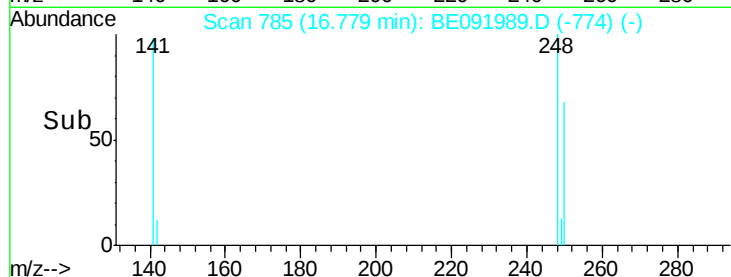
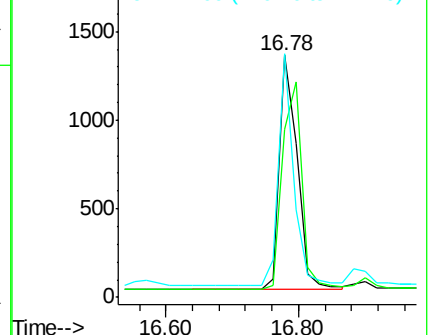
248 100

250 96.8 75.7 113.5

141 84.4 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: 0.38 ng m

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

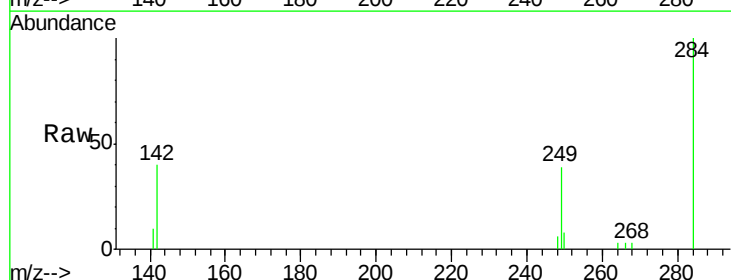
Tgt Ion:284 Resp: 2552

Ion Ratio Lower Upper

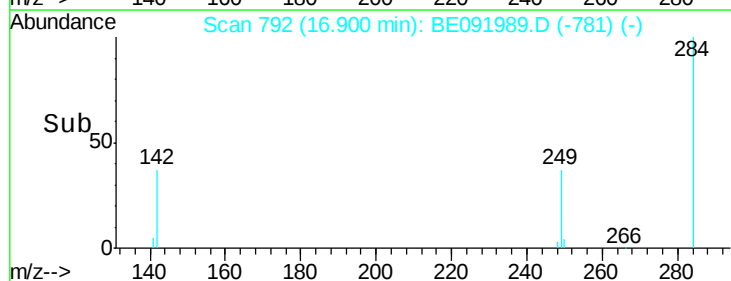
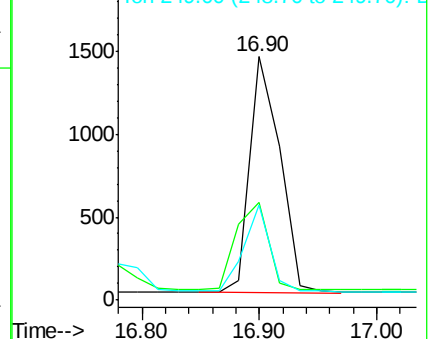
284 100

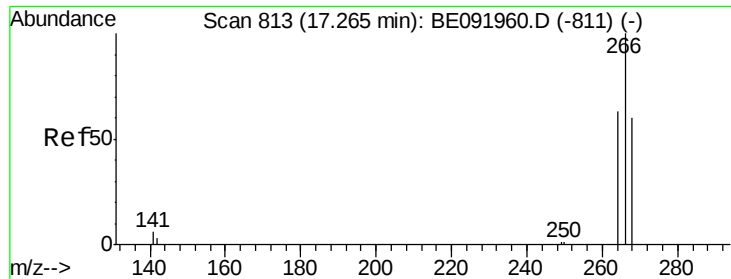
142 40.2 31.4 47.2

249 31.7 25.3 37.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.38 ng

RT: 17.26 min Scan# 813

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

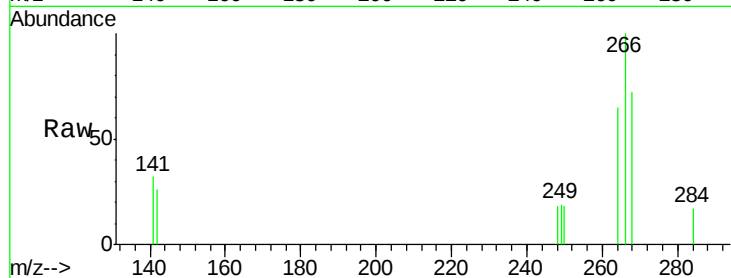
Tot Ion:266 Resp: 624

Ion Ratio Lower Upper

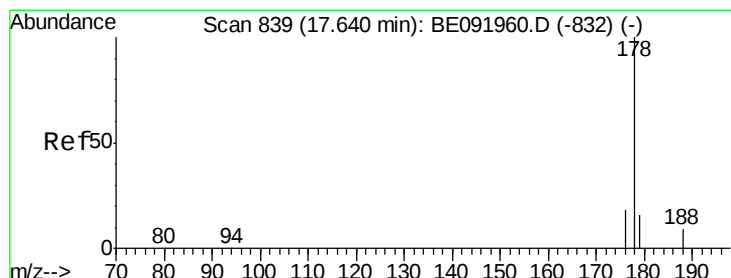
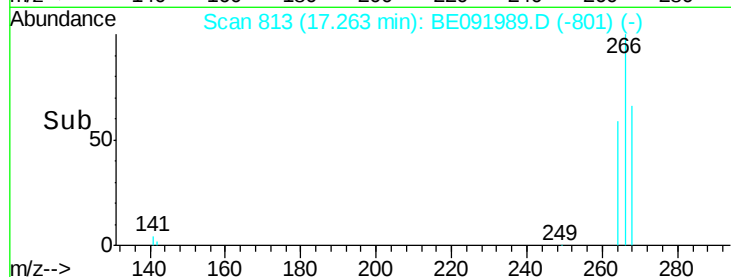
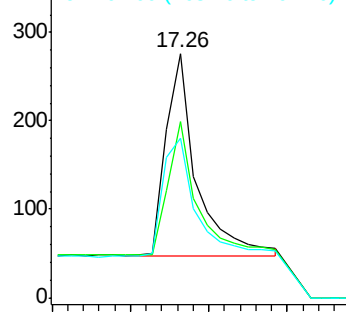
266 100

268 72.1 60.5 90.7

264 65.2 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: BE091989.D

Acq: 7 Jul 2016 20:20

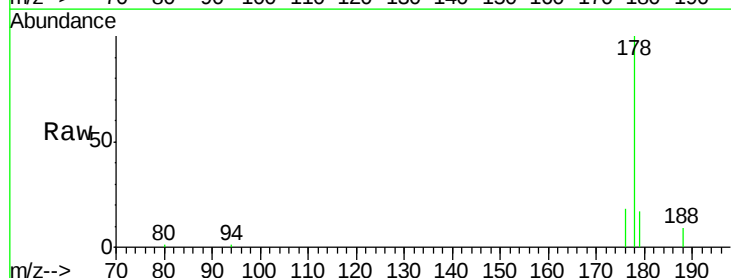
Tgt Ion:178 Resp: 15702

Ion Ratio Lower Upper

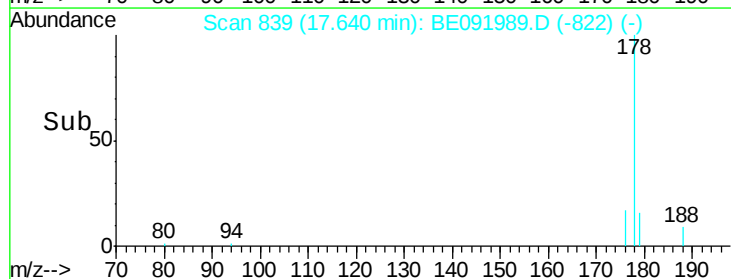
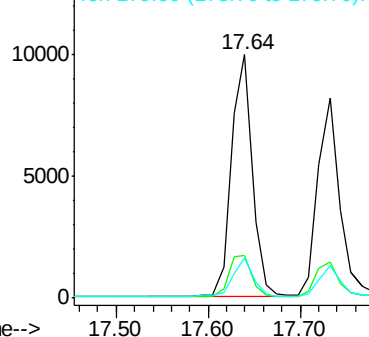
178 100

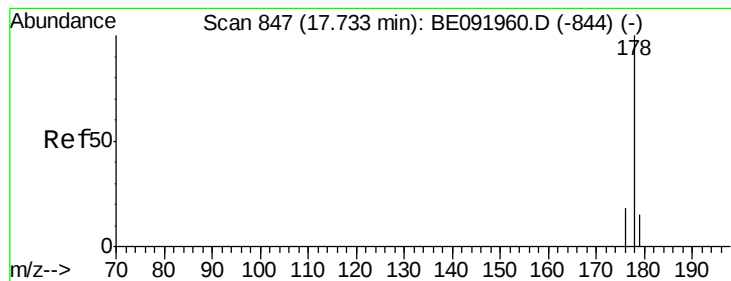
176 19.0 15.4 23.2

179 15.8 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: 0.37 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

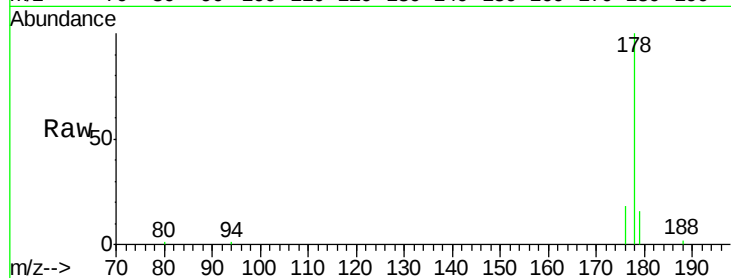
Tot Ion:178 Resp: 13790

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

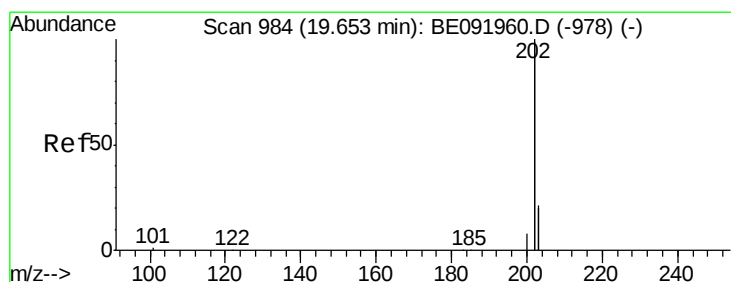
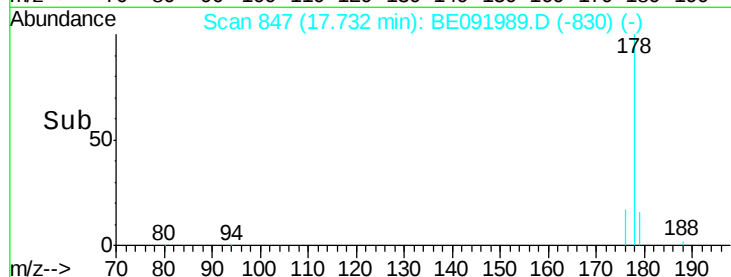
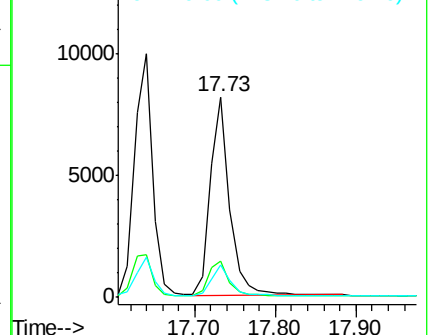
179 15.2 12.1 18.1



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: 0.37 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

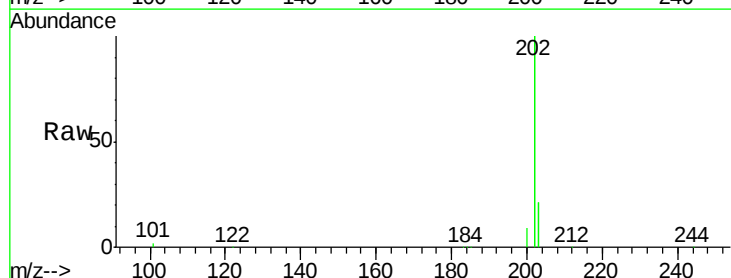
Tgt Ion:202 Resp: 64088

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

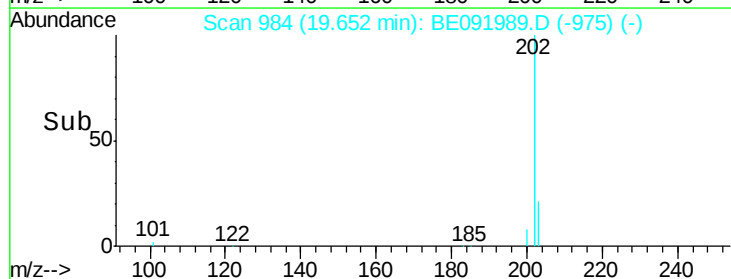
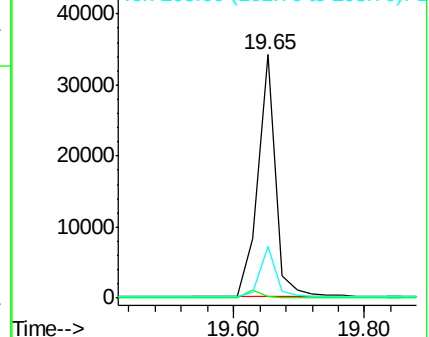
203 18.8 14.3 21.5

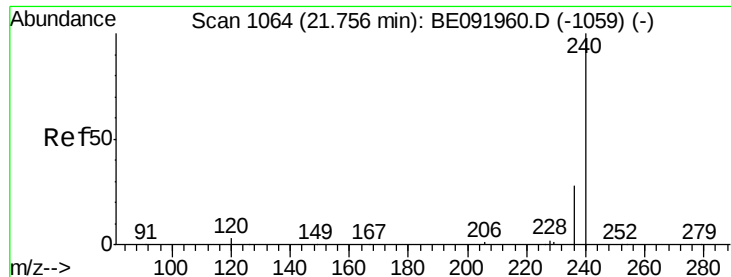


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

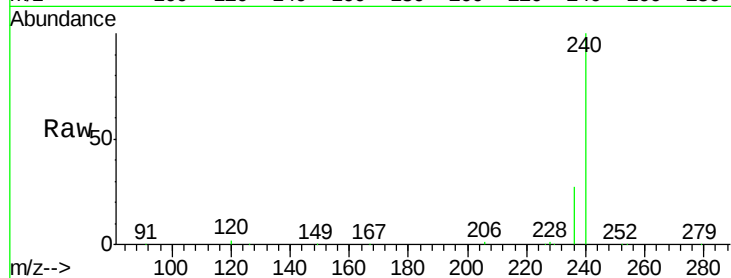
Tot Ion:240 Resp: 271147

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

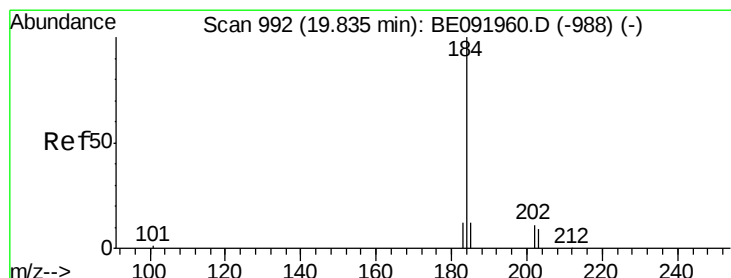
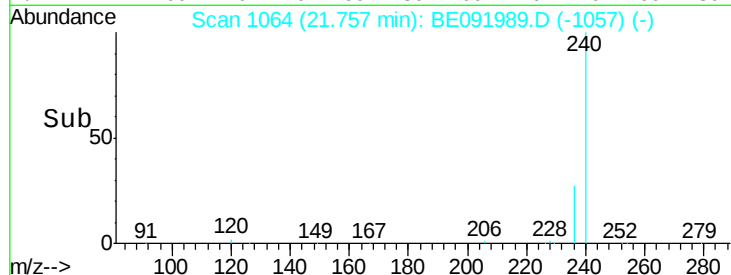
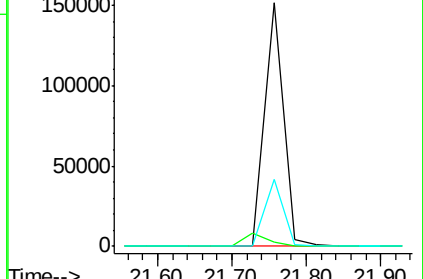
236 27.4 19.8 29.8



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: 0.39 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

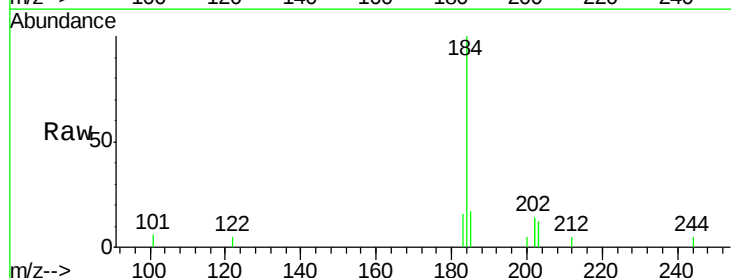
Tgt Ion:184 Resp: 3816

Ion Ratio Lower Upper

184 100

185 17.3 11.4 17.2#

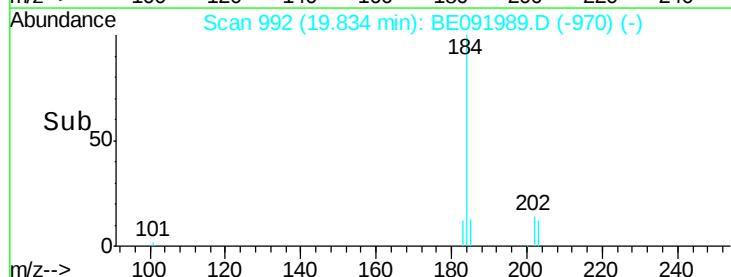
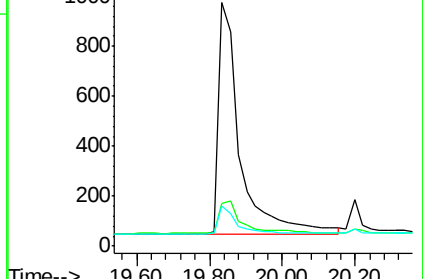
183 16.4 11.8 17.6

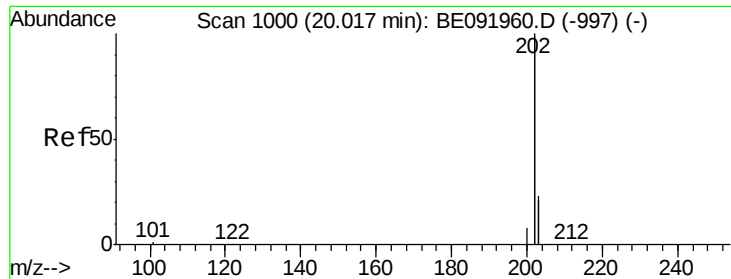


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

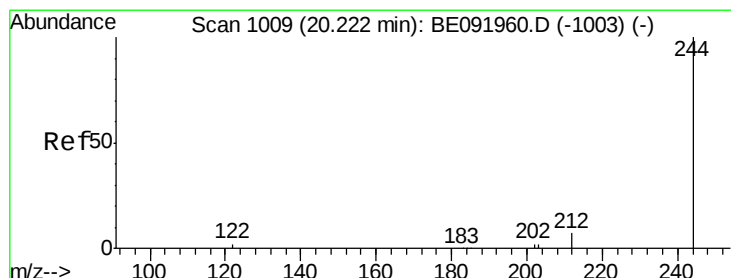
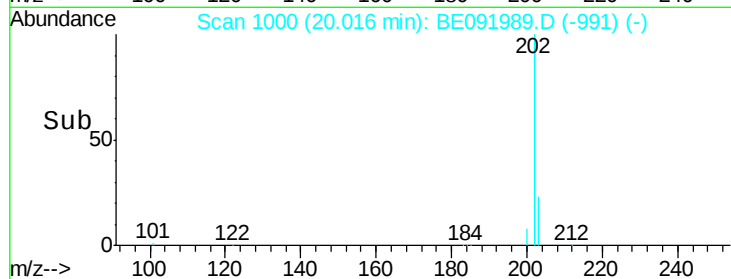
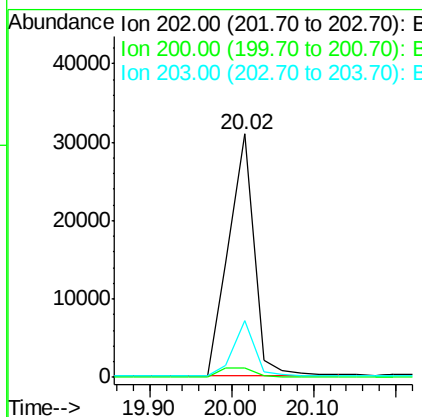
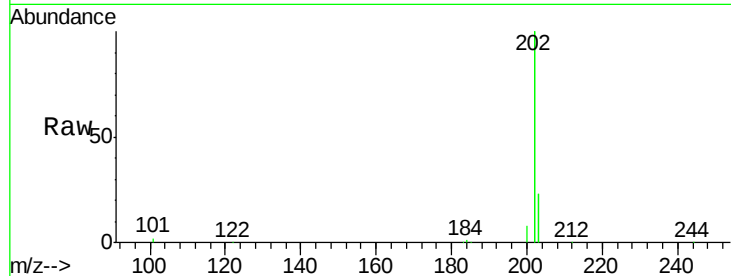




#33
Pvrene
Concen: 0.33 ng
RT: 20.02 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

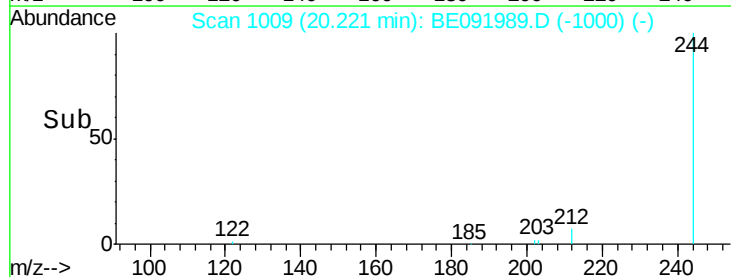
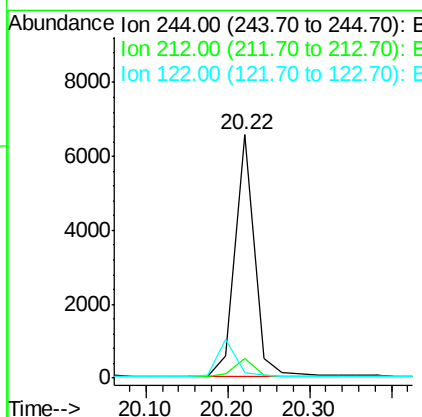
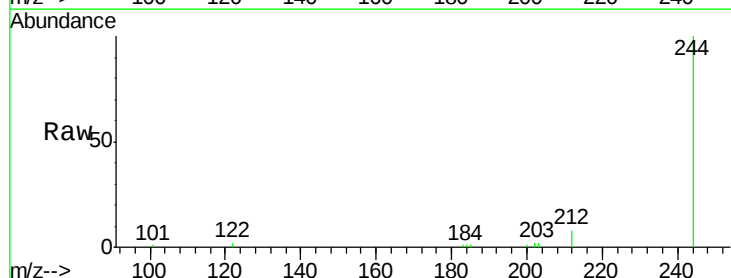
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

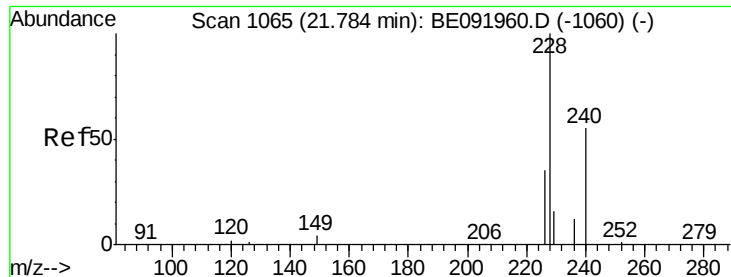
Tot Ion:202 Resp: 65968
Ion Ratio Lower Upper
202 100
200 5.2 16.9 25.3#
203 18.9 14.1 21.1



#34
Terphenyl-d14
Concen: 0.33 ng
RT: 20.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE091989.D
Acq: 7 Jul 2016 20:20

Tgt Ion:244 Resp: 10677
Ion Ratio Lower Upper
244 100
212 7.9 6.5 9.7
122 2.3 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 0.38 ng/mL

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

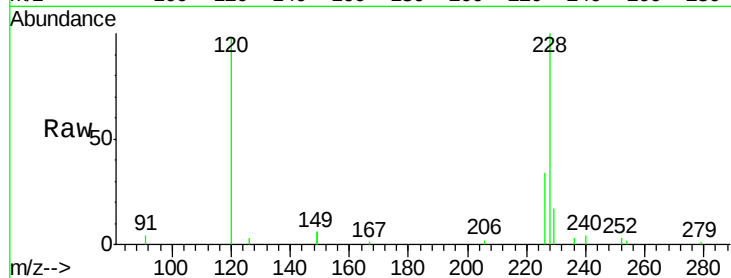
Tot Ion:228 Resp: 17214

Ion Ratio Lower Upper

228 100

226 33.6 21.0 31.4#

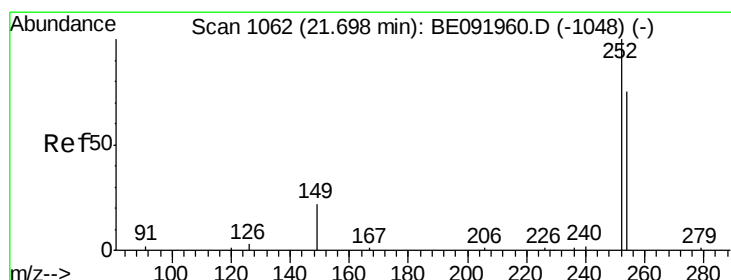
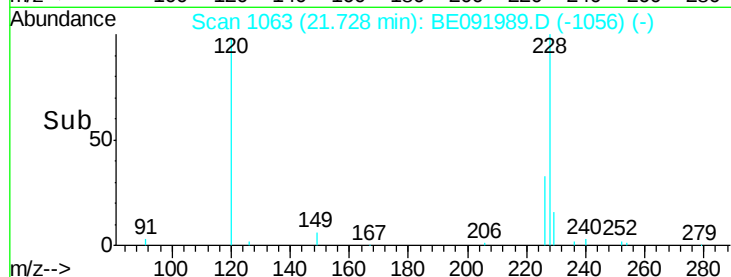
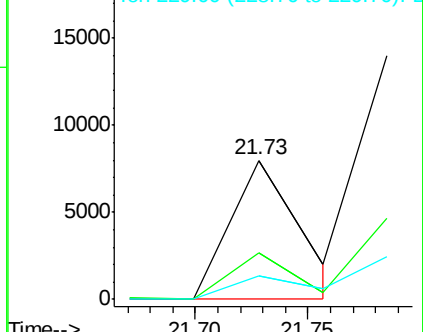
229 16.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.25 ng/mL

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

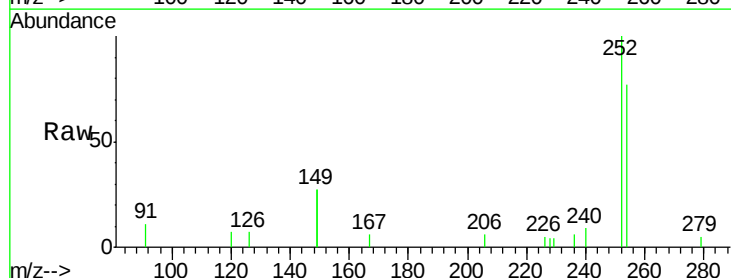
Tgt Ion:252 Resp: 3748

Ion Ratio Lower Upper

252 100

254 76.6 61.5 92.3

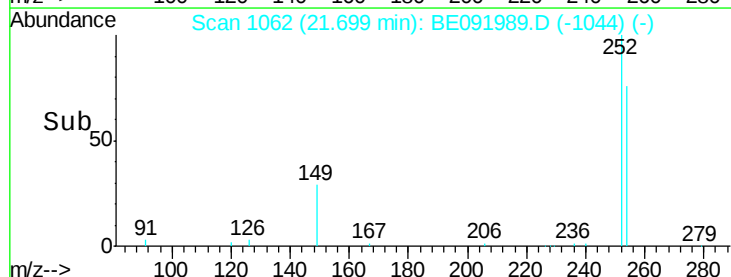
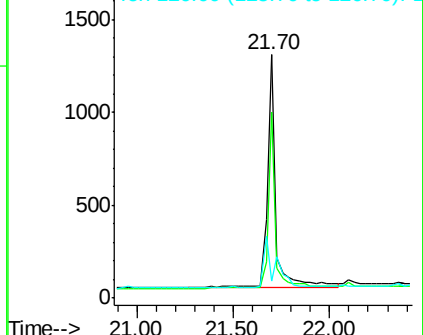
126 6.9 2.5 3.7#

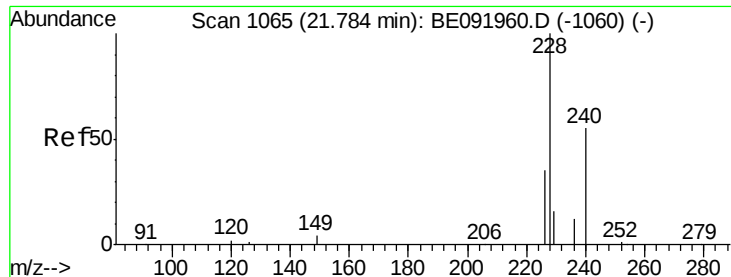


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.41 ng/mL

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleID :

SSTDCCC0.4EC

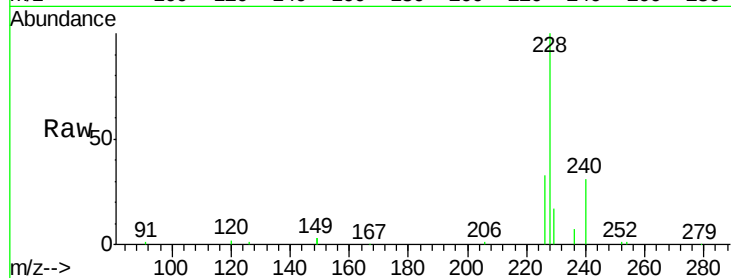
Tot Ion: 228 Resp: 26353

Ion Ratio Lower Upper

228 100

226 33.5 27.0 40.6

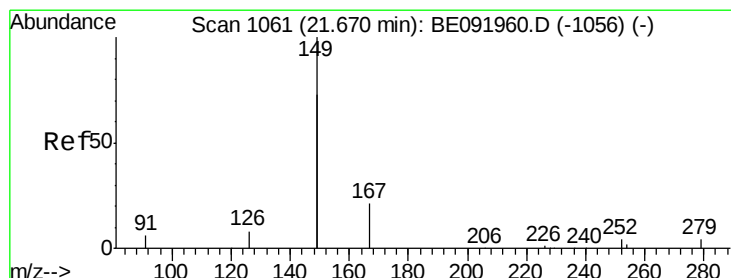
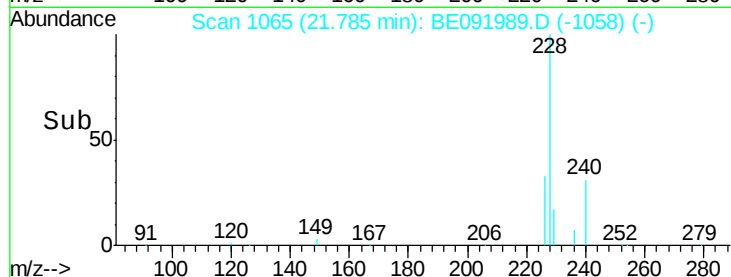
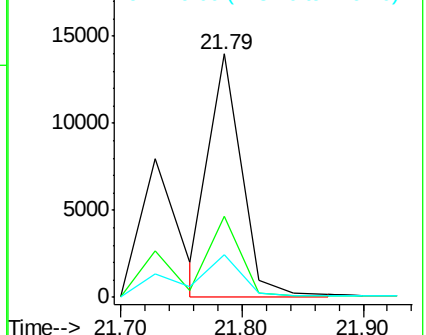
229 17.3 13.8 20.8



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: 0.25 ng/mL

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

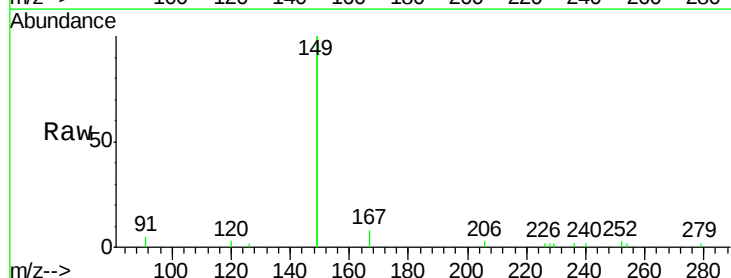
Tgt Ion: 149 Resp: 12908

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

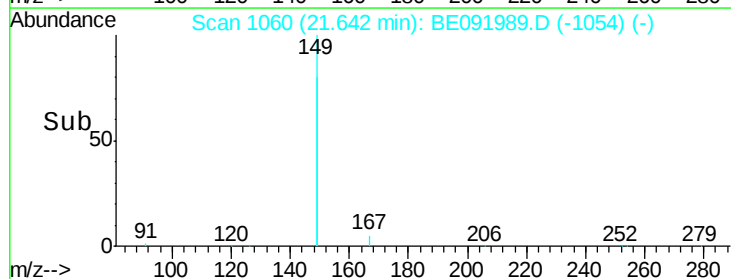
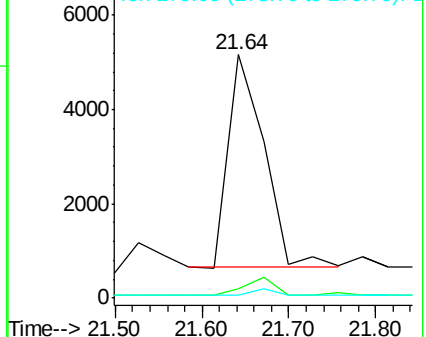
279 0.0 0.0 0.0

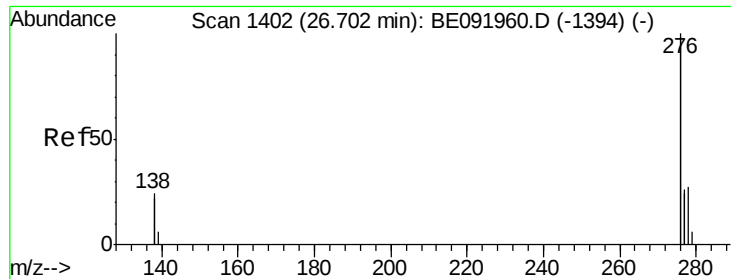


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

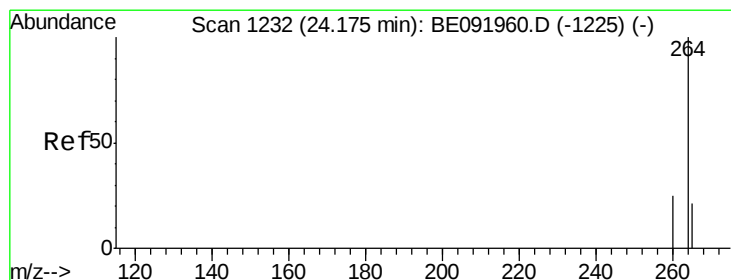
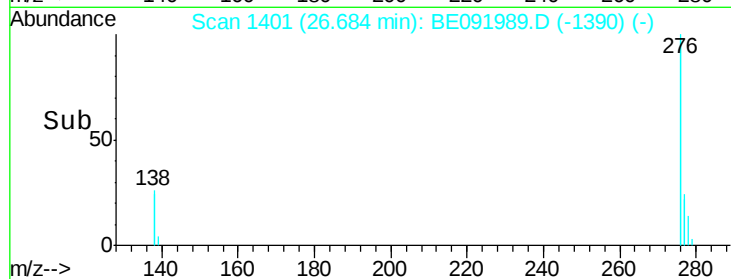
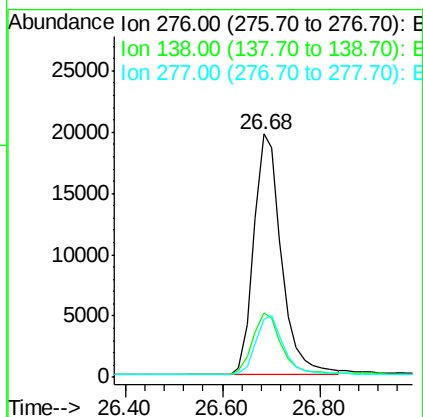
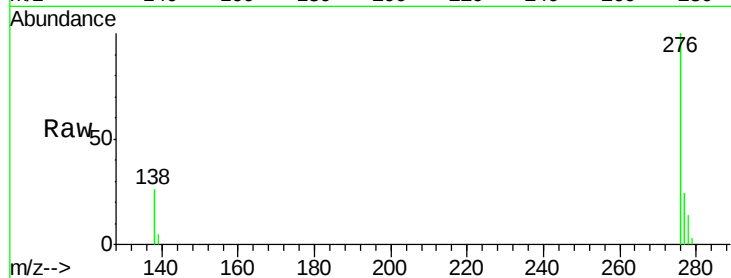




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.31 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BE091989.D
 Acq: 7 Jul 2016 20:20

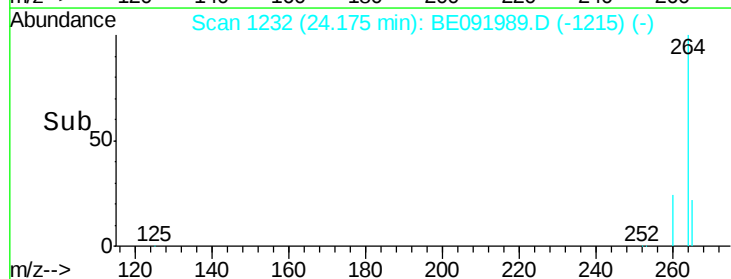
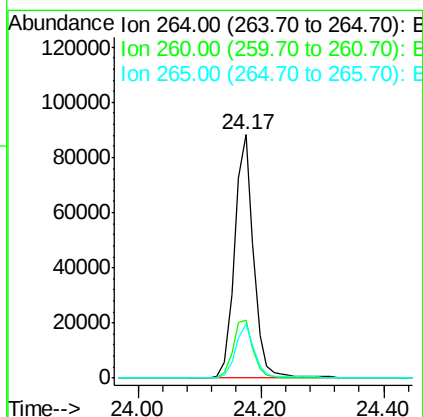
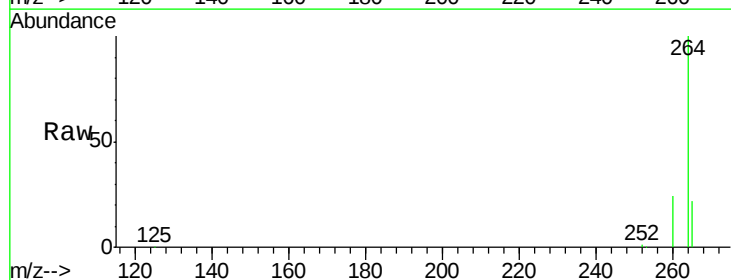
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

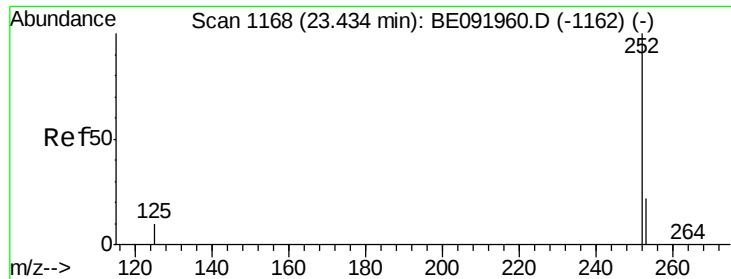
Tot Ion:276 Resp: 78818
 Ion Ratio Lower Upper
 276 100
 138 26.1 19.7 29.5
 277 24.7 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091989.D
 Acq: 7 Jul 2016 20:20

Tgt Ion:264 Resp: 189776
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.3 30.5
 265 22.0 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.39 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

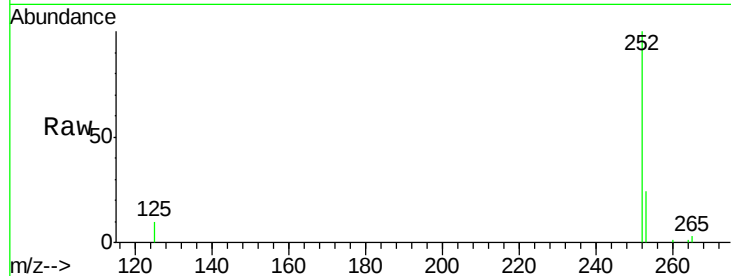
Tot Ion:252 Resp: 20270

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

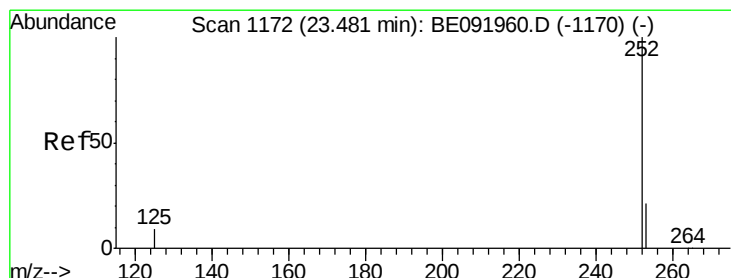
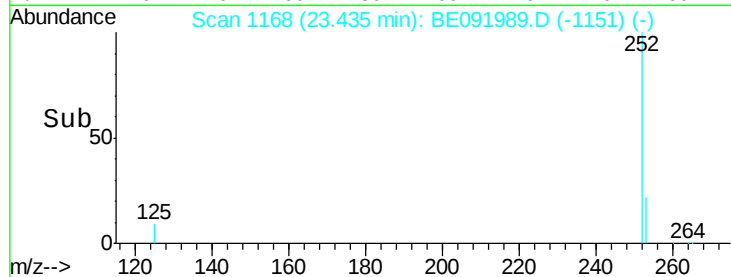
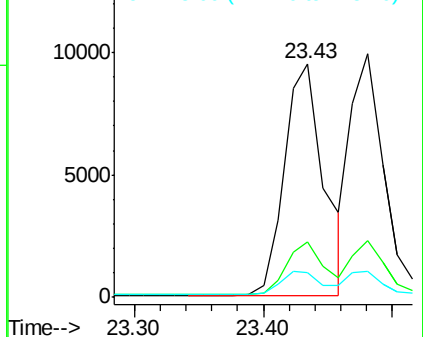
125 10.3 9.4 14.2



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: 0.36 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

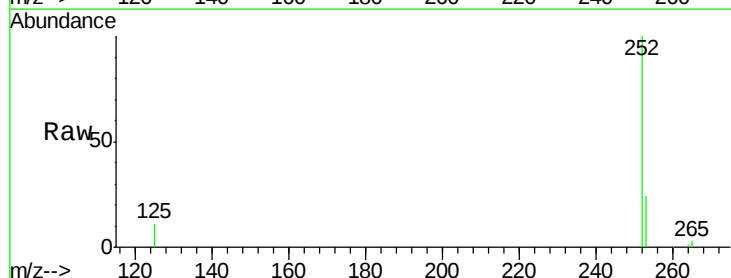
Tgt Ion:252 Resp: 18176

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.2

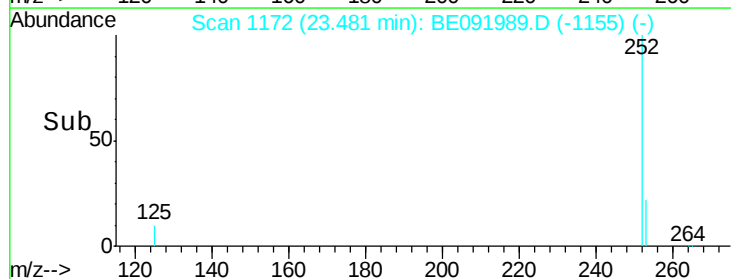
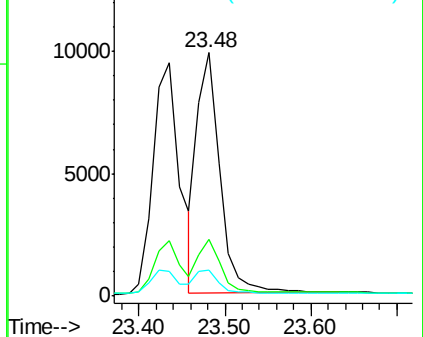
125 10.6 8.3 12.5

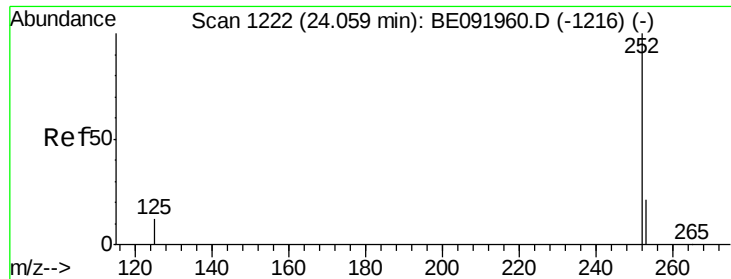


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.36 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

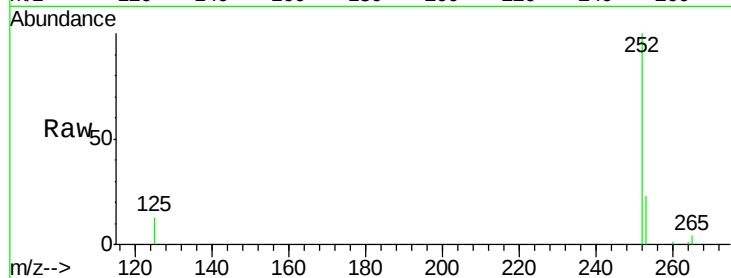
Tot Ion:252 Resp: 17698

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

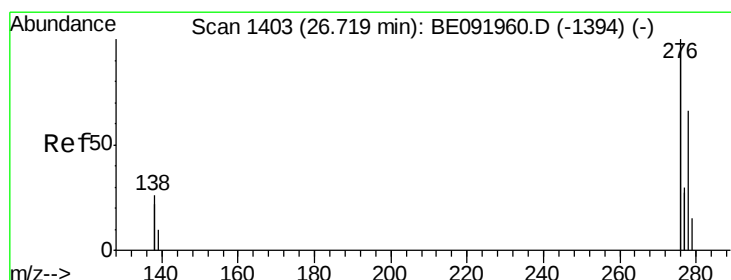
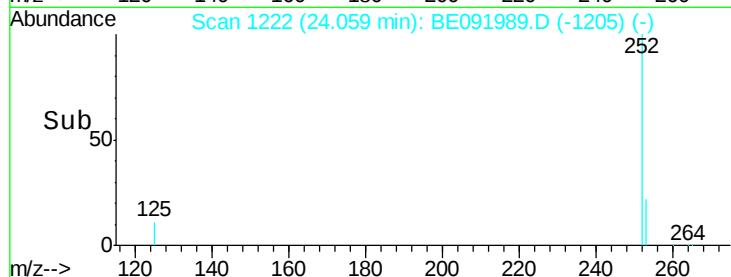
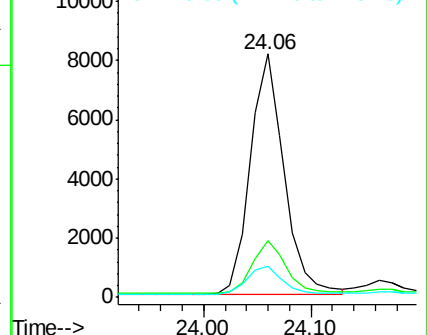
125 12.7 10.5 15.7



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: 0.34 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091989.D

Acq: 7 Jul 2016 20:20

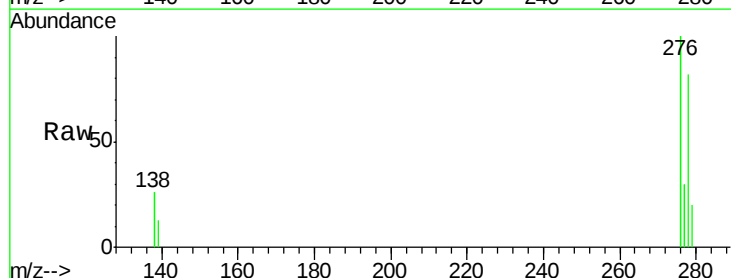
Tgt Ion:278 Resp: 15997

Ion Ratio Lower Upper

278 100

139 15.4 12.6 18.8

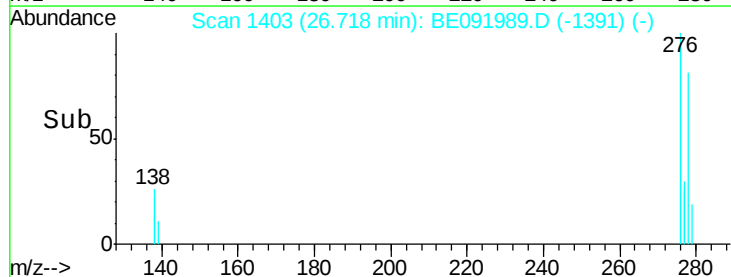
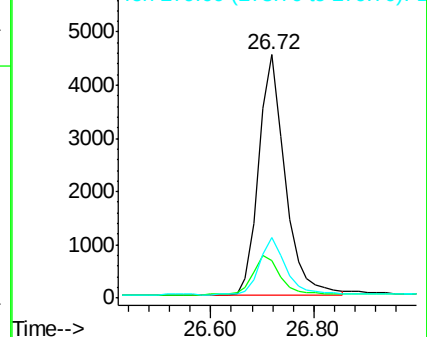
279 25.0 20.0 30.0

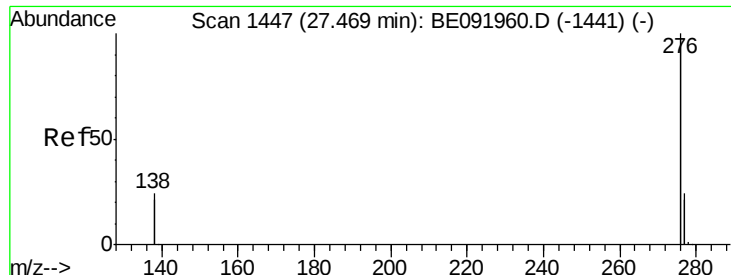


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.35 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091989.D

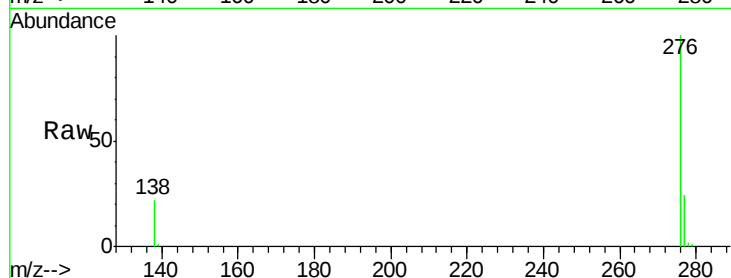
Acq: 7 Jul 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



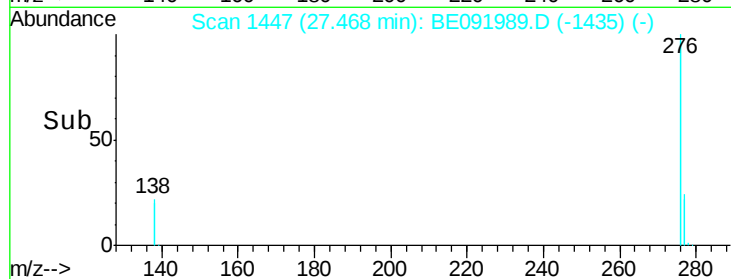
Tot Ion: 276 Resp: 66771

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 22.5 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

