

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091971.D
 Acq On : 5 Jul 2016 21:08
 Operator : UM/SJ
 Sample : PB91781BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91781BS

Quant Time: Jul 06 05:53:11 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	24782	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	110582	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	74200	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	143710	5.00	ng	0.00
31) Chrysene-d12	21.76	240	248051	5.00	ng	0.00
40) Perylene-d12	24.17	264	178750	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	45120	7.61	ng	0.00
5) Phenol-d6	7.35	99	60843	7.39	ng	-0.02
9) Nitrobenzene-d5	9.37	82	31352	4.16	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	15809	5.98	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	72208	3.99	ng	0.00
34) Terphenyl-d14	20.22	244	99073	3.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	10535	3.13	ng	# 87
3) n-Nitrosodimethylamine	3.80	42	17966	4.14	ng	# 82
6) bis(2-Chloroethyl)ether	7.61	93	27842	3.88	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	23920	3.48	ng	# 99
10) Nitrobenzene	9.40	77	33770	4.13	ng	# 100
11) bis(2-Chloroethoxy)methane	10.39	93	35870	3.88	ng	# 1
12) Naphthalene	11.04	128	95497	3.71	ng	96
13) Hexachlorobutadiene	11.34	225	14011	3.58	ng	99
14) 2-Methylnaphthalene	12.66	142	63812	3.86	ng	95
18) Acenaphthylene	14.56	152	402304	4.32	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	76958	3.62	ng	# 10
20) Acenaphthene	14.92	154	74423	3.67	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	90083	3.81	ng	# 54
22) Fluorene	15.90	166	80937	3.78	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	38255	3.58	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	22810	3.65	ng	97
26) Hexachlorobenzene	16.90	284	23008	3.71	ng	98
27) Pentachlorophenol	17.25	266	20834	6.41	ng	91
28) Phenanthrene	17.63	178	138642	3.70	ng	99
29) Anthracene	17.72	178	134202	3.83	ng	100
30) Fluoranthene	19.65	202	579793	3.60	ng	# 87
32) Benzidine	19.83	184	8428	0.63	ng	# 95
33) Pyrene	19.99	202	607054	3.36	ng	# 64
35) Benzo(a)anthracene	21.78	228	391972	9.44	ng	# 91
36) 3,3'-Dichlorobenzidine	21.67	252	18489	1.68	ng	# 61
37) Chrysene	21.78	228	395013	6.71	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	143821	2.99	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	839945	3.64	ng	98
41) Benzo(b)fluoranthene	23.42	252	182793	3.70	ng	97
42) Benzo(k)fluoranthene	23.48	252	193342	4.05	ng	97
43) Benzo(a)pyrene	24.06	252	174937	3.75	ng	96
44) Dibenzo(a,h)anthracene	26.72	278	174956	3.99	ng	97
45) Benzo(g,h,i)perylene	27.47	276	711067	3.97	ng	98

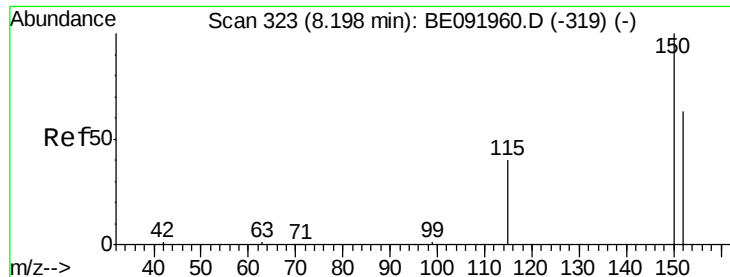
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
Data File : BE091971.D
Acq On : 5 Jul 2016 21:08
Operator : UM/SJ
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QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

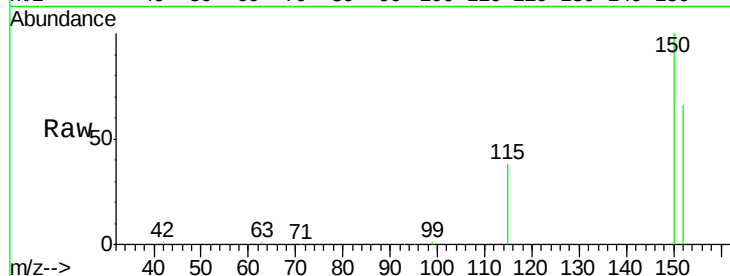
Tgt Ion:152 Resp: 24782

Ion Ratio Lower Upper

152 100

150 151.9 123.9 185.9

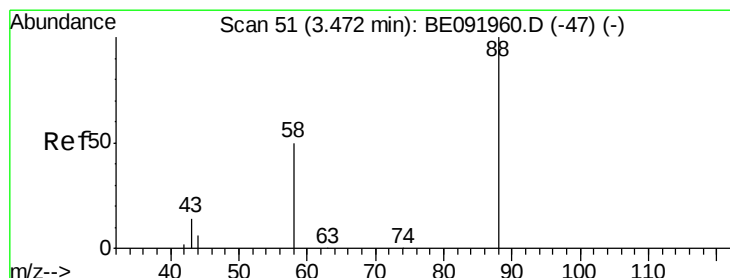
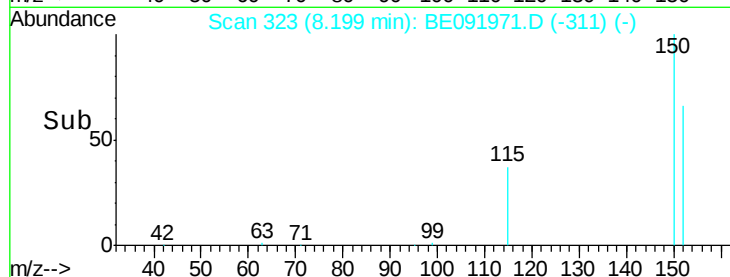
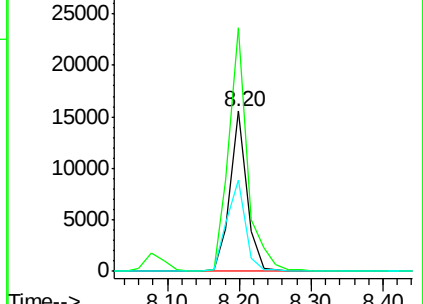
115 57.3 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.13 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

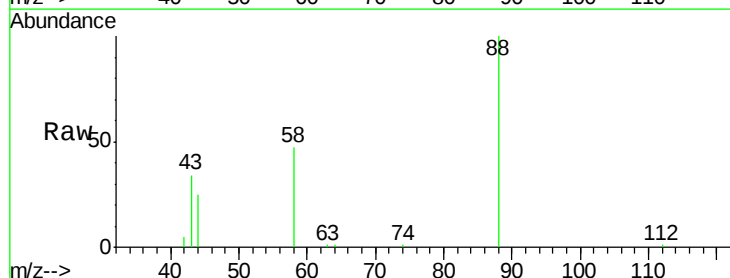
Tgt Ion: 88 Resp: 10535

Ion Ratio Lower Upper

88 100

58 88.6 63.0 94.4

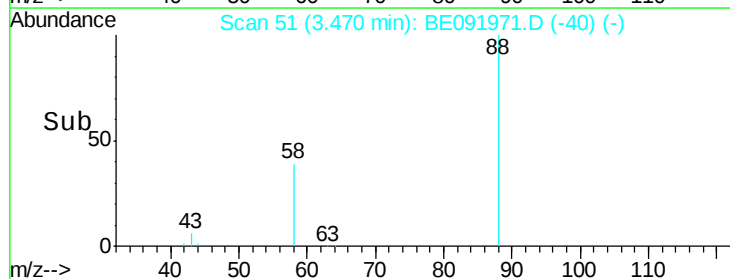
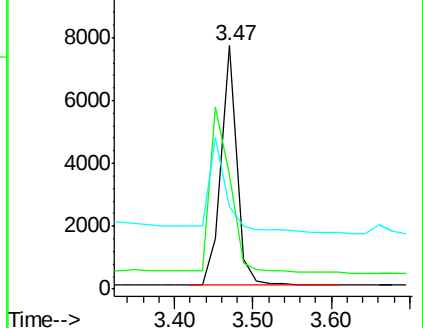
43 45.9 29.1 43.7#

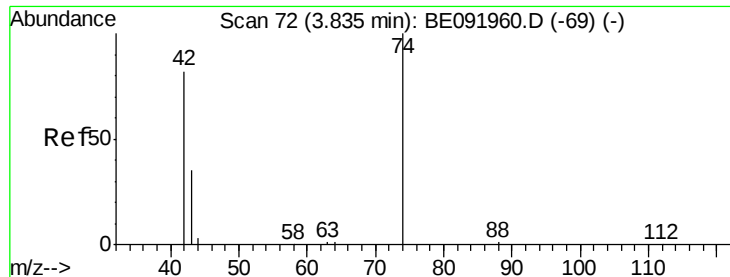


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

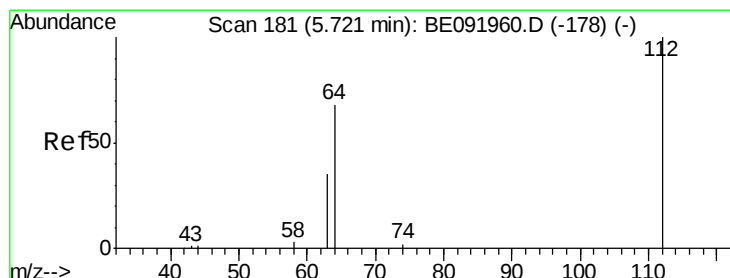
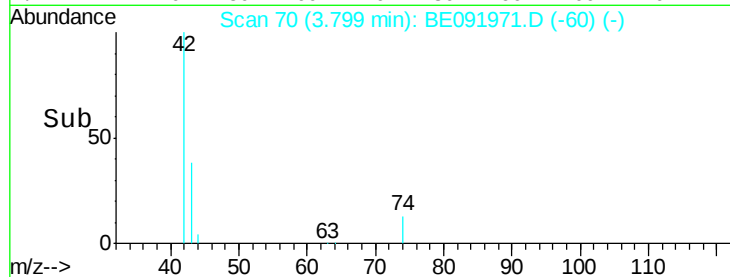
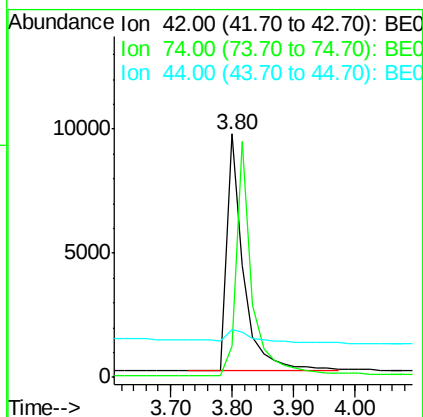
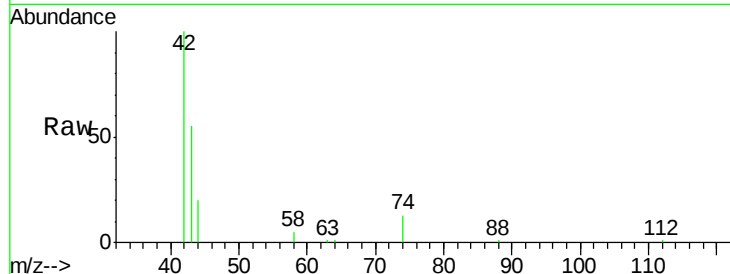




#3
 n-Nitrosodimethylamine
 Concen: 4.14 ng
 RT: 3.80 min Scan# 70
 Delta R.T. -0.04 min
 Lab File: BE091971.D
 Acq: 5 Jul 2016 21:08

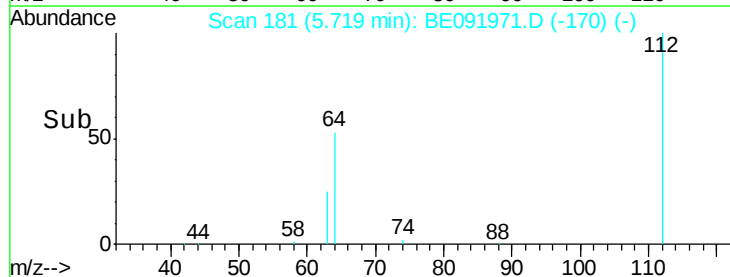
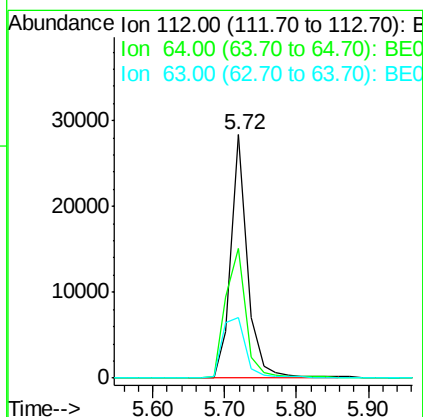
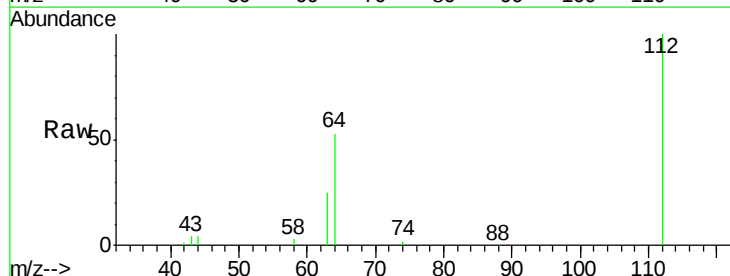
Instrument :
 BNA_E
 ClientSampleId :
 PB91781BS

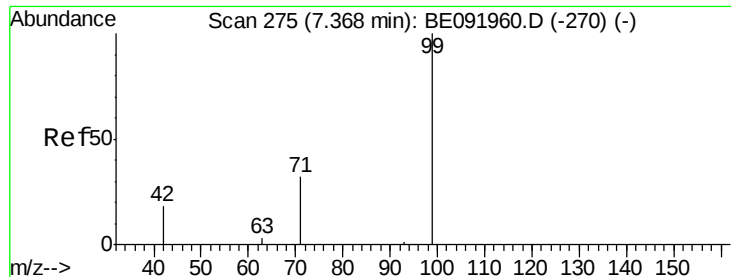
Tgt Ion: 42 Resp: 17966
 Ion Ratio Lower Upper
 42 100
 74 96.0 93.4 140.0
 44 8.2 5.0 7.6#



#4
 2-Fluorophenol
 Concen: 7.61 ng
 RT: 5.72 min Scan# 181
 Delta R.T. -0.00 min
 Lab File: BE091971.D
 Acq: 5 Jul 2016 21:08

Tgt Ion: 112 Resp: 45120
 Ion Ratio Lower Upper
 112 100
 64 65.4 53.7 80.5
 63 35.1 29.5 44.3





#5

Phenol-d6

Concen: 7.39 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

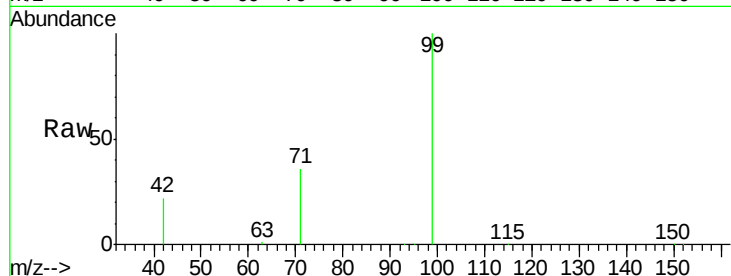
Tgt Ion: 99 Resp: 60843

Ion Ratio Lower Upper

99 100

42 24.8 19.6 29.4

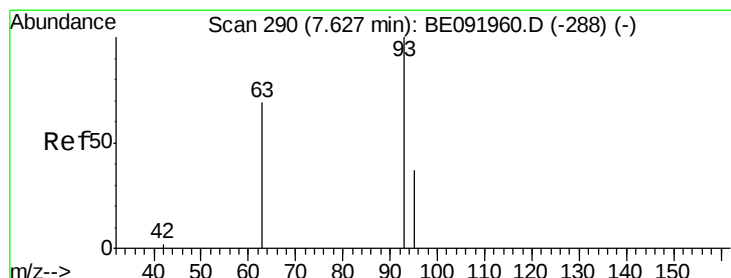
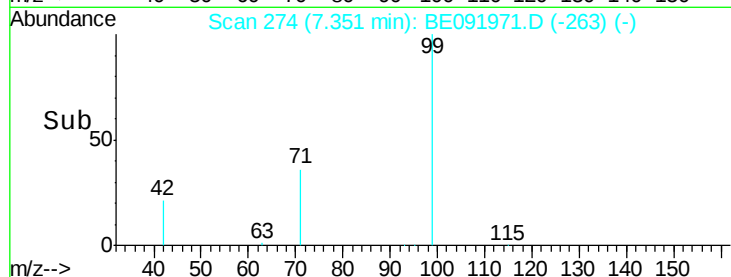
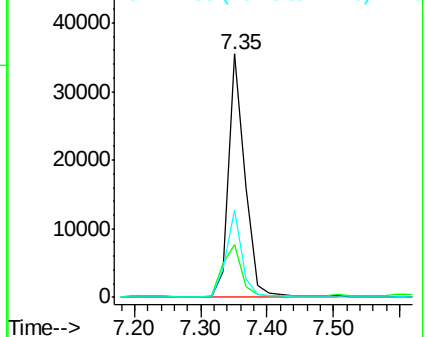
71 34.8 28.1 42.1



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: 3.88 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

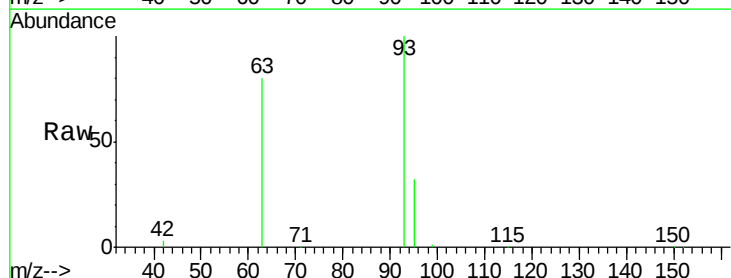
Tgt Ion: 93 Resp: 27842

Ion Ratio Lower Upper

93 100

63 85.6 66.2 99.4

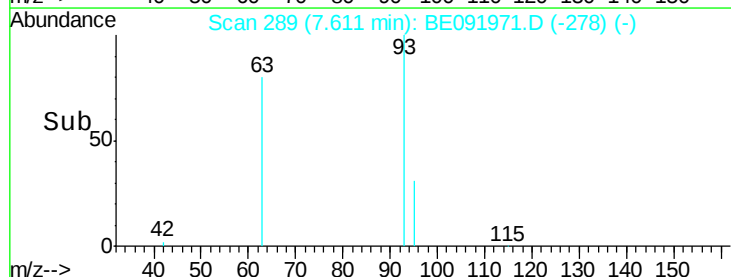
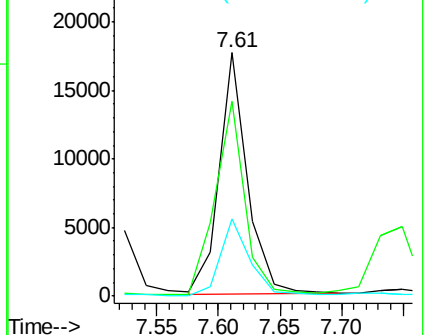
95 32.9 25.5 38.3

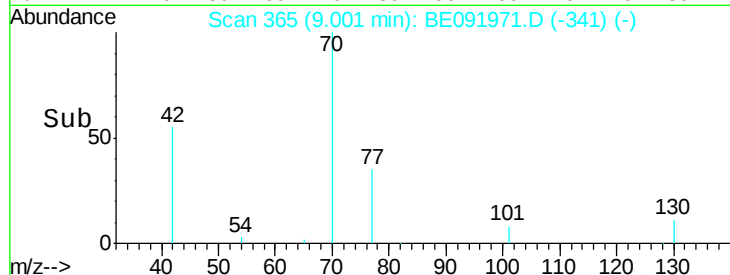
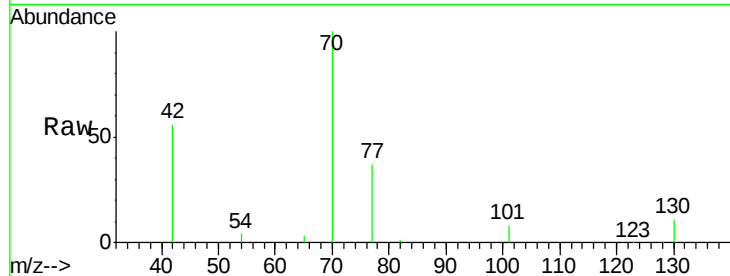
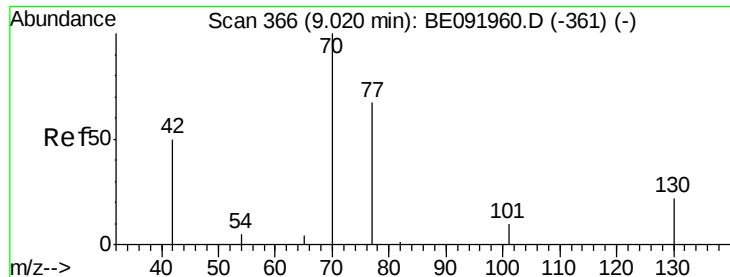


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 3.48 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

Tgt Ion: 70 Resp: 23920

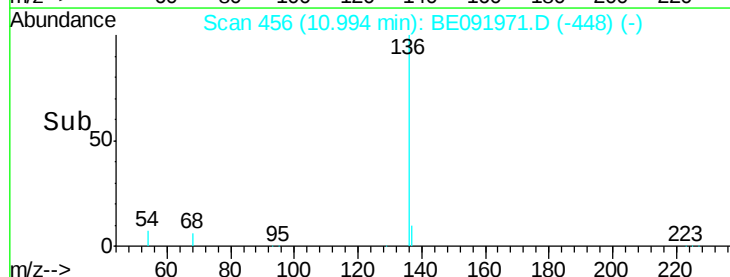
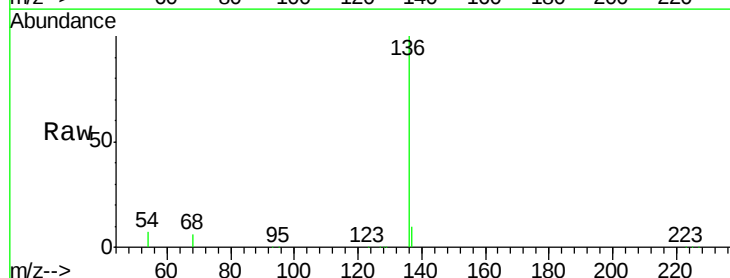
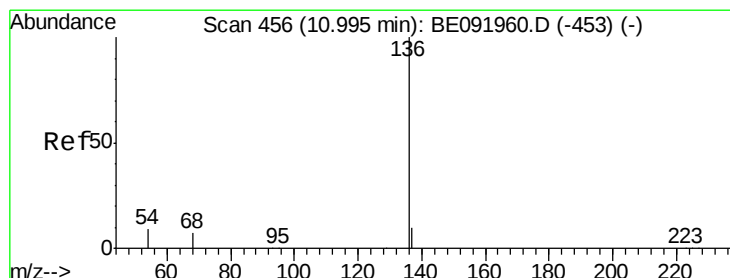
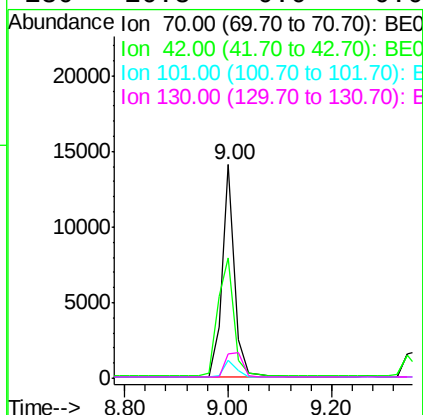
Ion Ratio Lower Upper

70 100

42 71.8 58.4 87.6

101 8.4 6.4 9.6

130 16.8 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: BE091971.D

Acq: 5 Jul 2016 21:08

Tgt Ion: 136 Resp: 110582

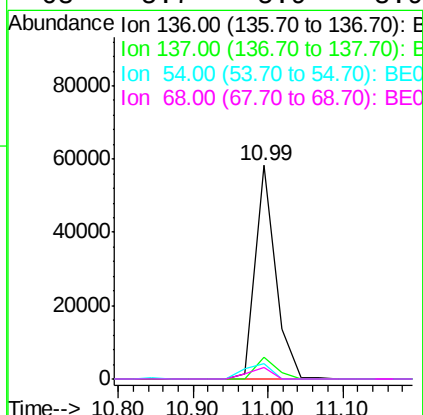
Ion Ratio Lower Upper

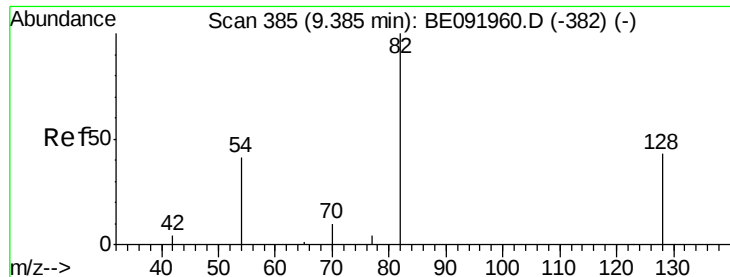
136 100

137 10.4 8.3 12.5

54 7.2 8.2 12.4#

68 5.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.16 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

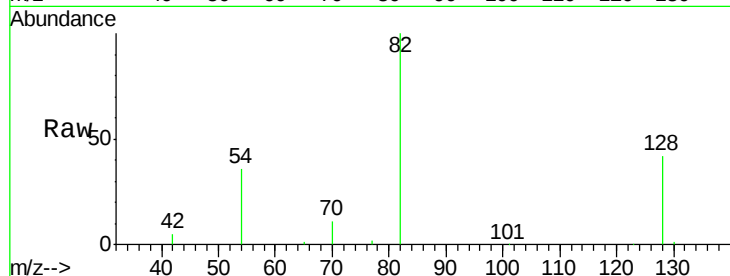
Tgt Ion: 82 Resp: 31352

Ion Ratio Lower Upper

82 100

128 42.3 39.5 59.3

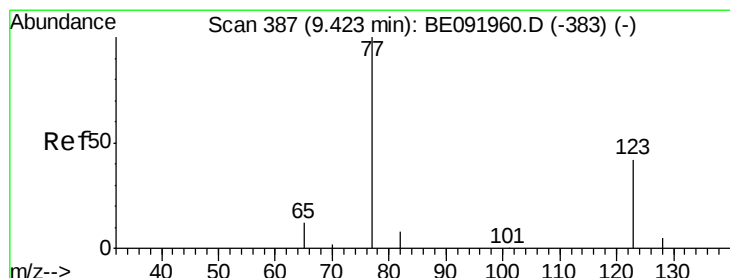
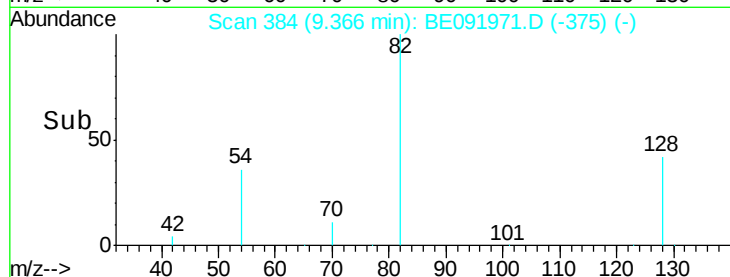
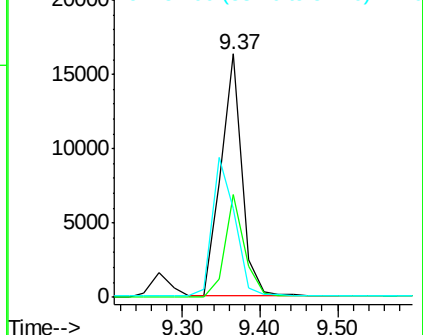
54 36.3 30.3 45.5



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: 4.13 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

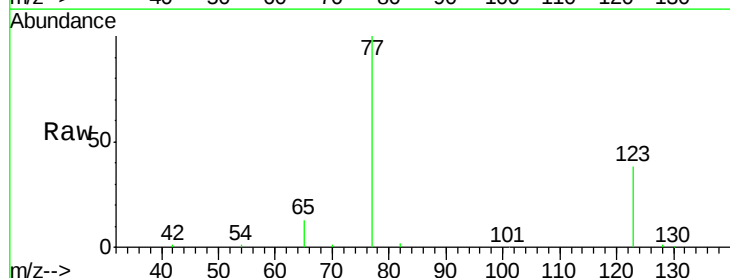
Tgt Ion: 77 Resp: 33770

Ion Ratio Lower Upper

77 100

123 39.1 0.0 0.0#

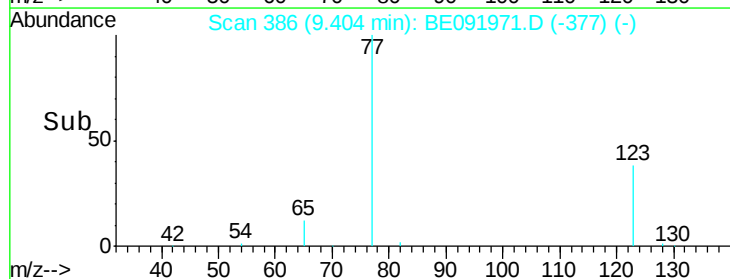
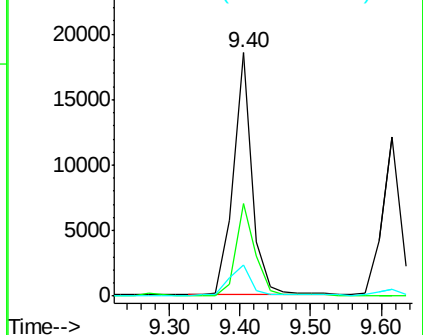
65 14.0 11.1 16.7

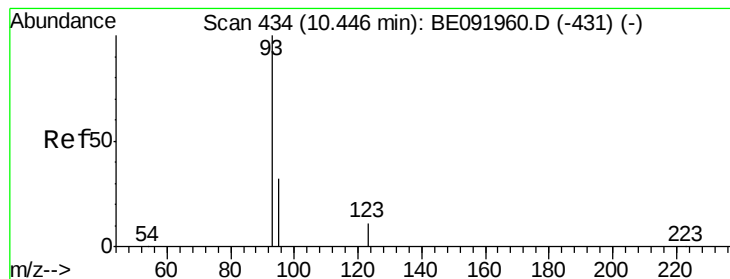


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.88 ng

RT: 10.39 min Scan# 432

Delta R.T. -0.05 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

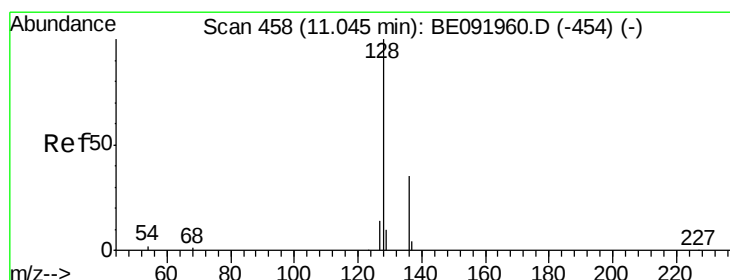
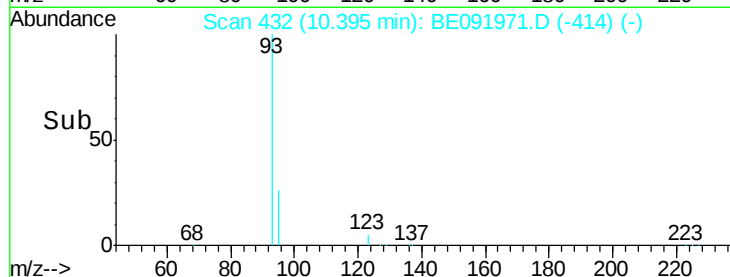
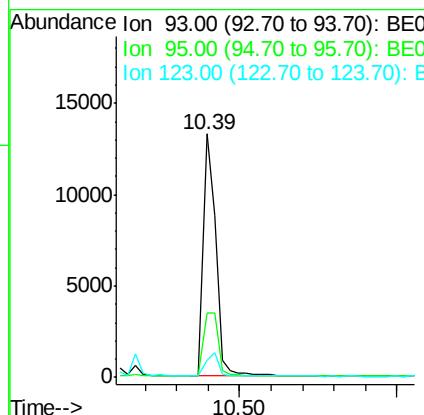
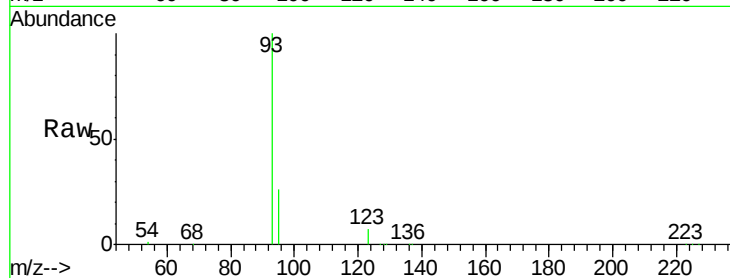
Tgt Ion: 93 Resp: 35870

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 3.71 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

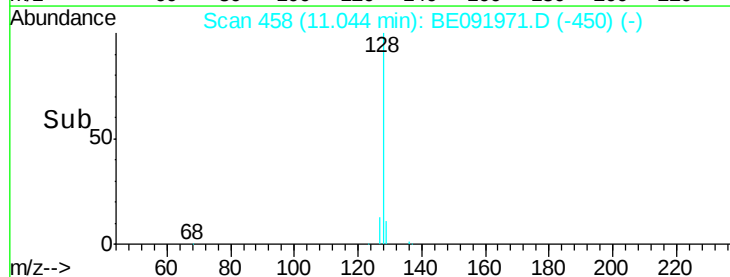
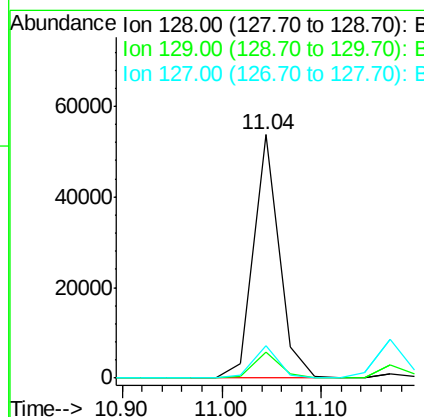
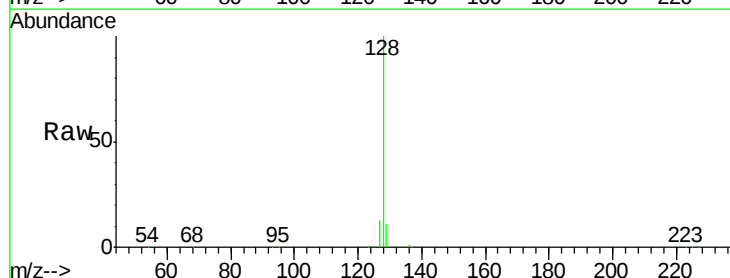
Tgt Ion: 128 Resp: 95497

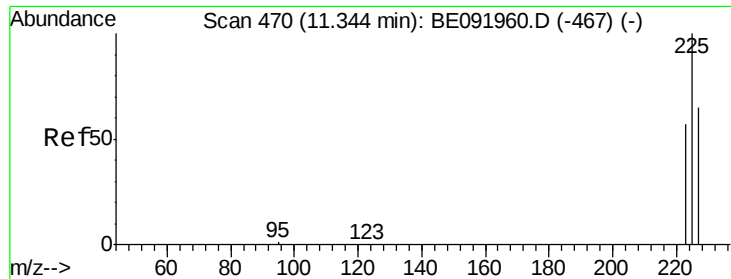
Ion Ratio Lower Upper

128 100

129 10.7 10.4 15.6

127 13.2 10.2 15.2

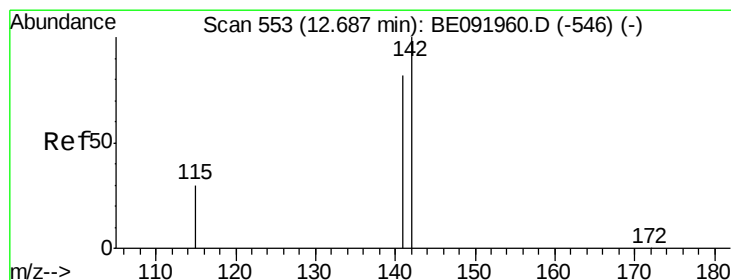
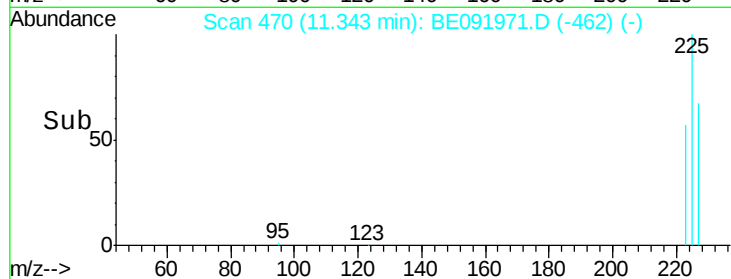
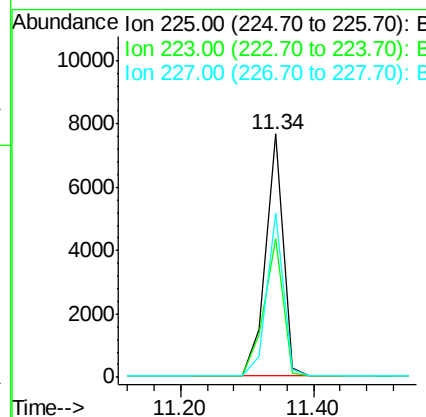
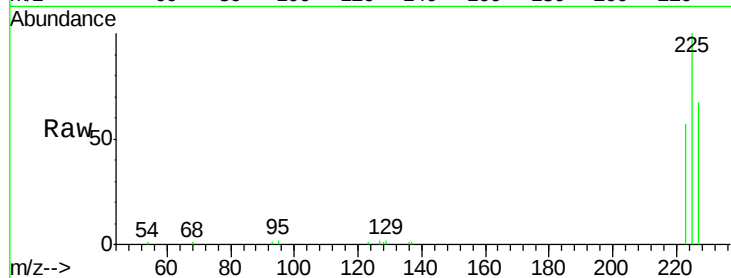




#13
Hexachlorobutadiene
Concen: 3.58 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

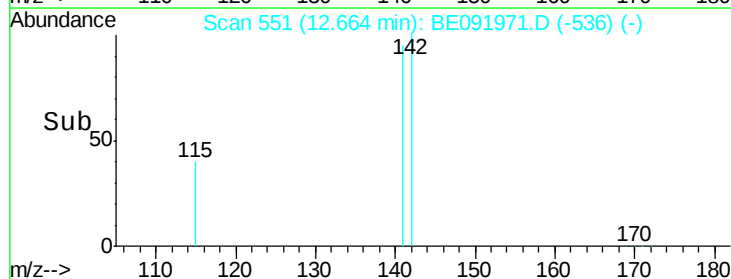
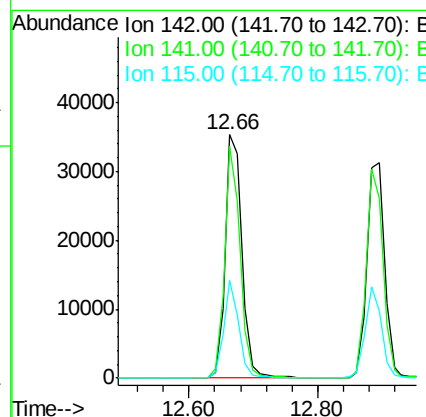
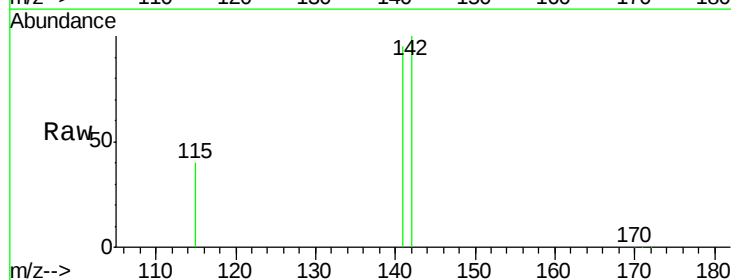
Instrument :
BNA_E
ClientSampleId :
PB91781BS

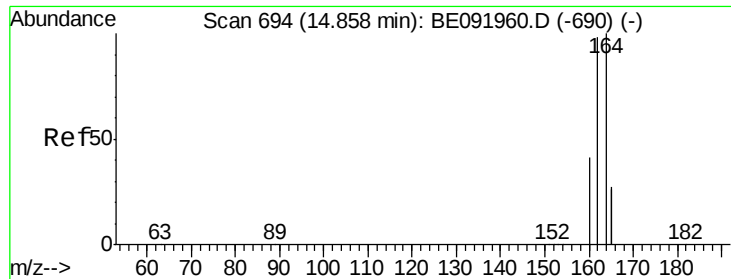
Tgt Ion: 225 Resp: 14011
Ion Ratio Lower Upper
225 100
223 61.3 49.8 74.8
227 64.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.86 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

Tgt Ion: 142 Resp: 63812
Ion Ratio Lower Upper
142 100
141 95.2 71.9 107.9
115 40.2 29.9 44.9

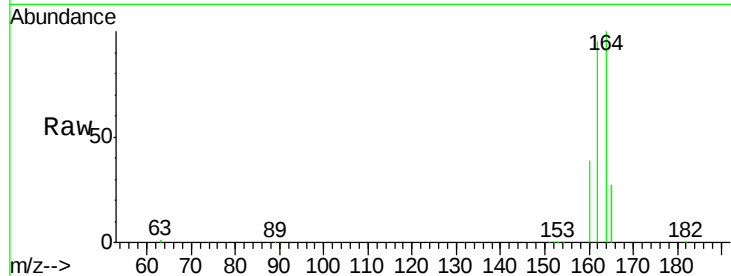




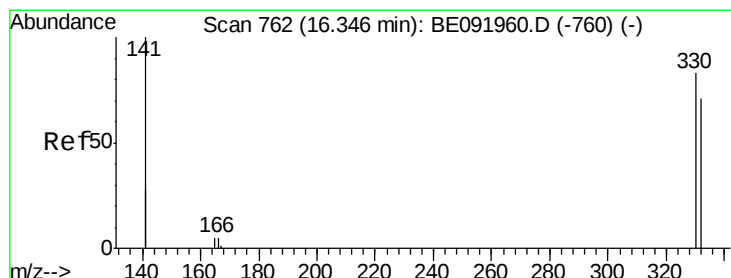
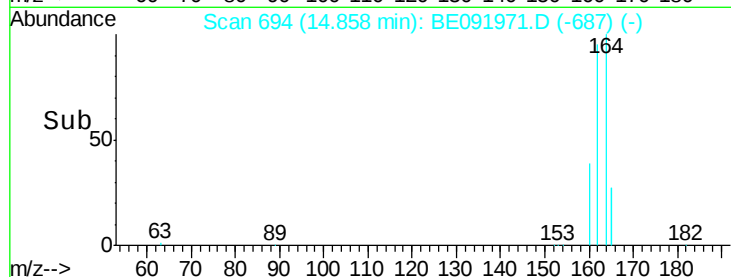
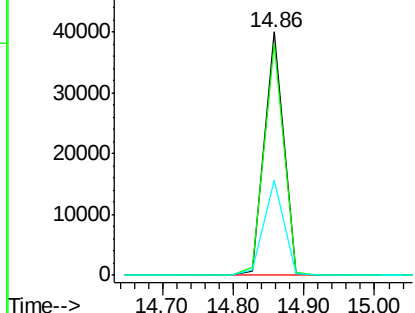
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

Instrument :
BNA_E
ClientSampleId :
PB91781BS

Tgt Ion:164 Resp: 74200
Ion Ratio Lower Upper
164 100
162 95.5 71.8 107.8
160 39.3 28.0 42.0

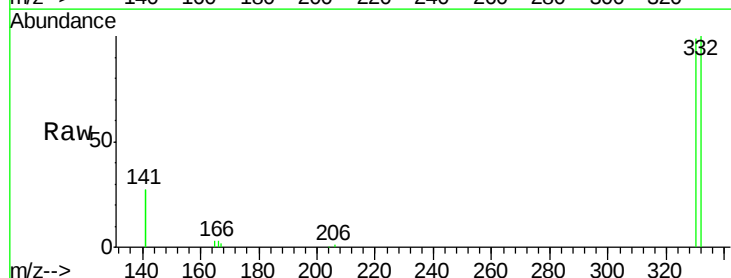


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

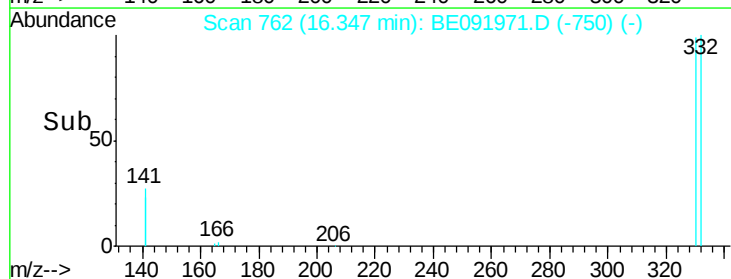
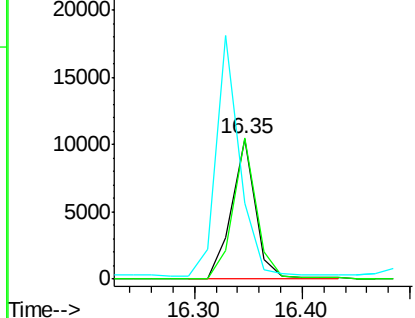


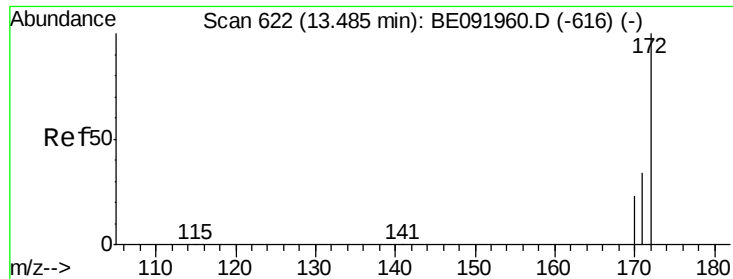
#16
2,4,6-Tribromophenol
Concen: 5.98 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

Tgt Ion:330 Resp: 15809
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 171.2 138.4 207.6



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

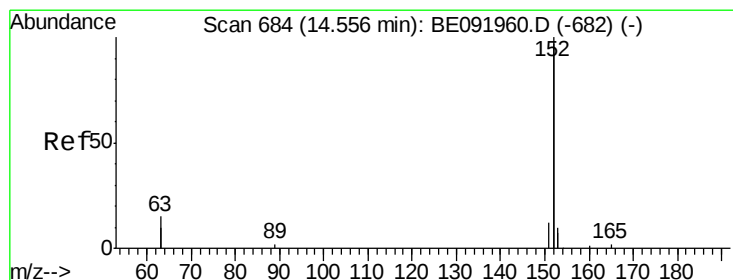
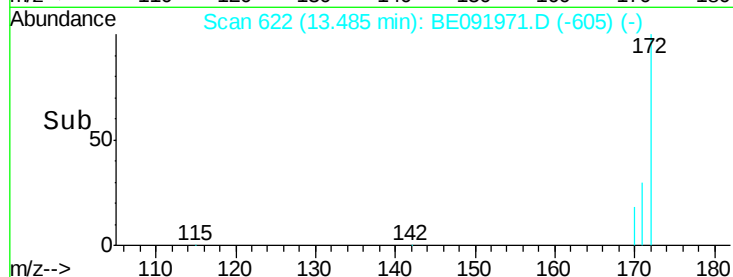
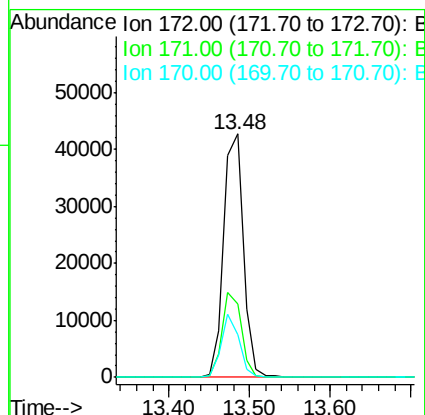
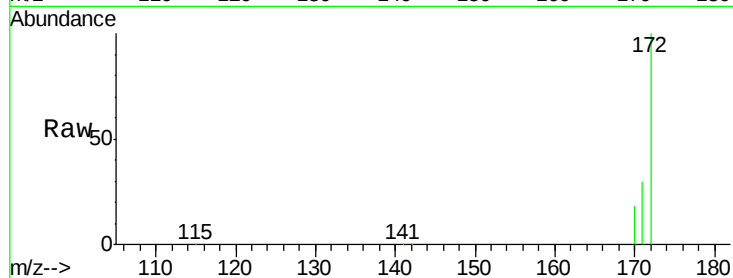




#17
2-Fluorobiphenyl
Concen: 3.99 ng
RT: 13.48 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

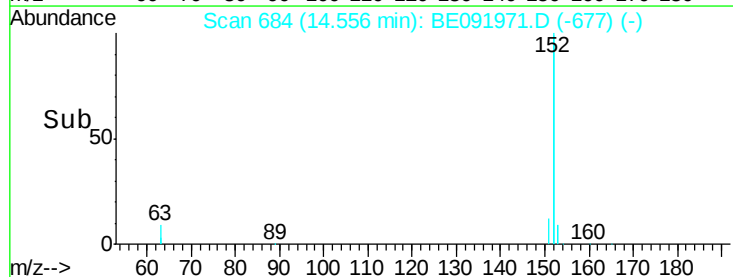
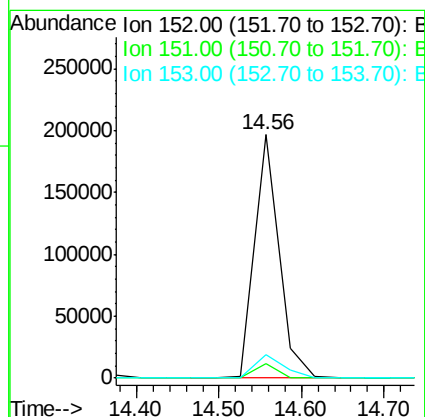
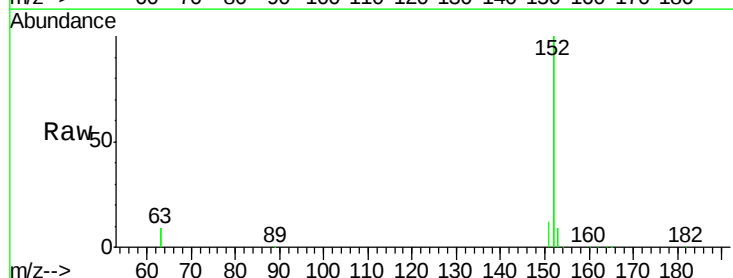
Instrument :
BNA_E
ClientSampled :
PB91781BS

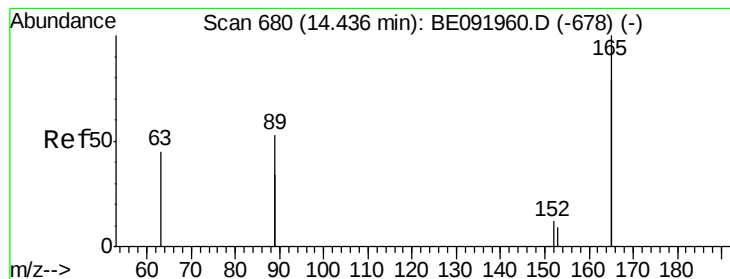
Tgt Ion:172 Resp: 72208
Ion Ratio Lower Upper
172 100
171 30.2 24.3 36.5
170 17.8 14.9 22.3



#18
Acenaphthylene
Concen: 4.32 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

Tgt Ion:152 Resp: 402304
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 11.1 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.62 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

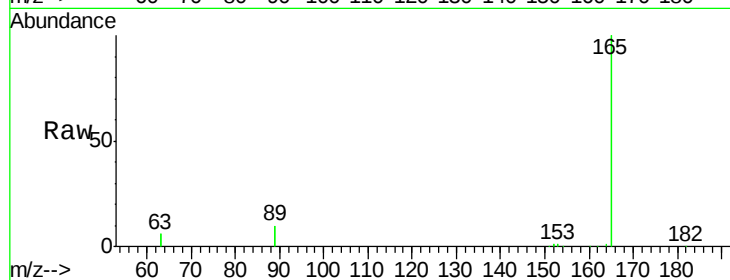
Tgt Ion:165 Resp: 76958

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

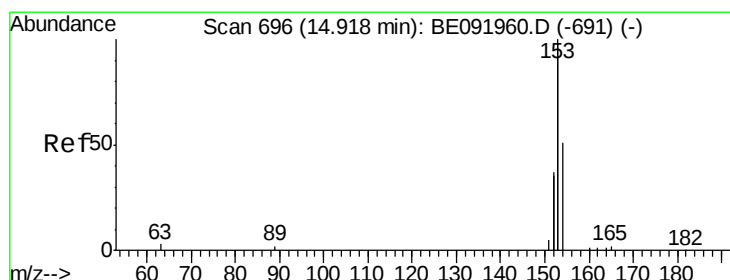
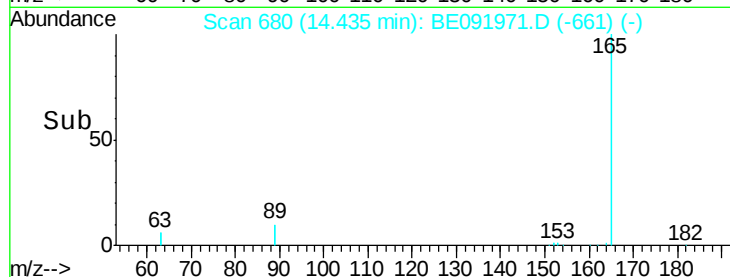
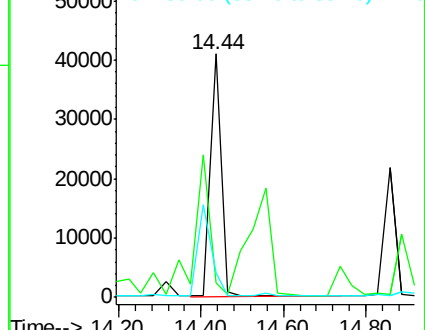
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 3.67 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

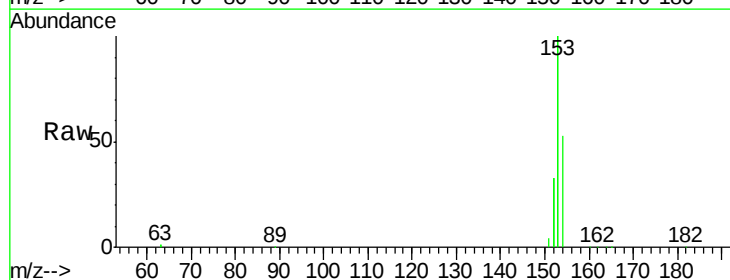
Tgt Ion:154 Resp: 74423

Ion Ratio Lower Upper

154 100

153 367.0 88.1 132.1#

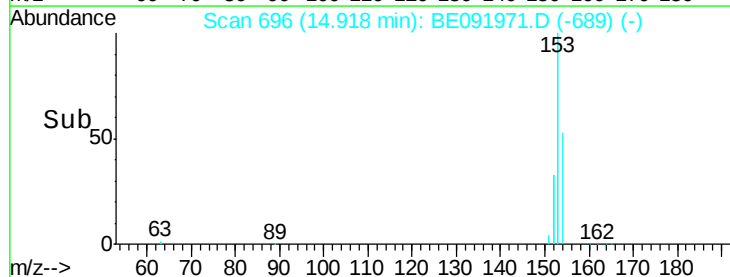
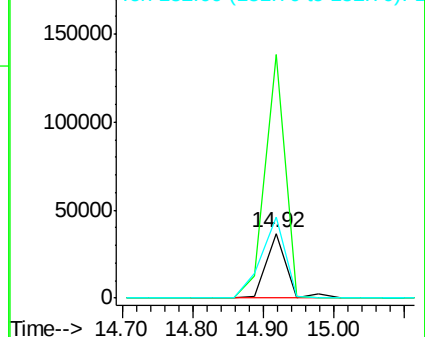
152 146.2 44.2 66.2#

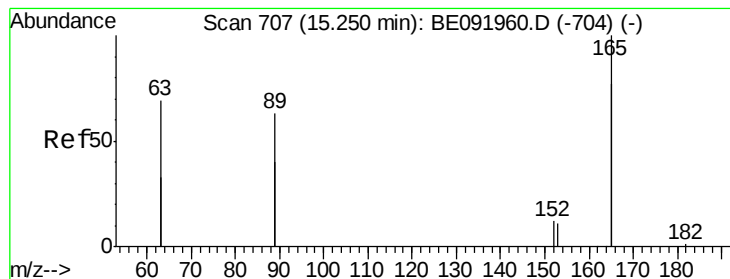


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 3.81 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

Tgt Ion:165 Resp: 90083

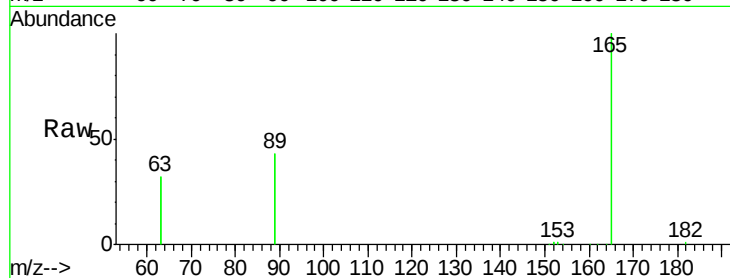
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 72.4 99.8 149.8#

182 0.4 0.0 0.0#

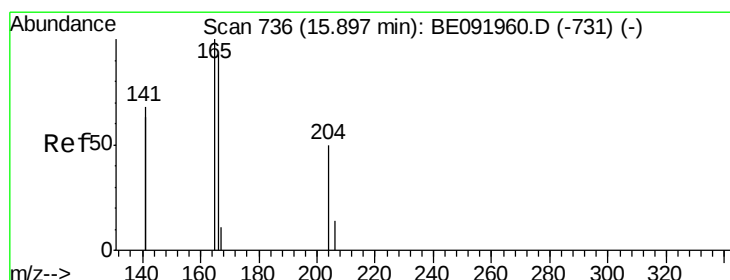
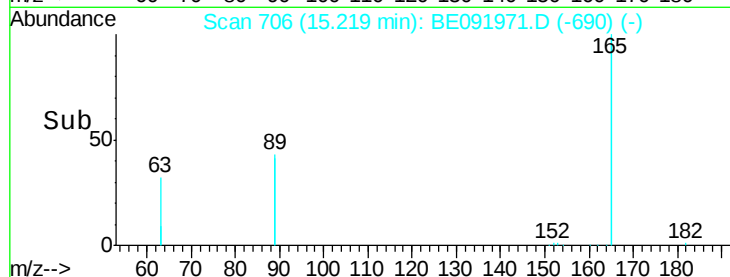
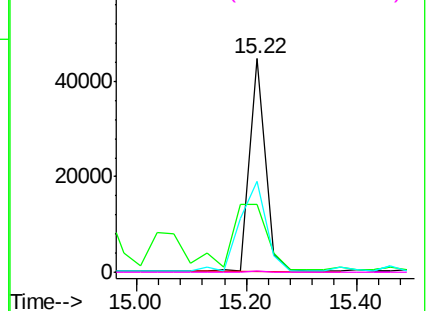


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.78 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

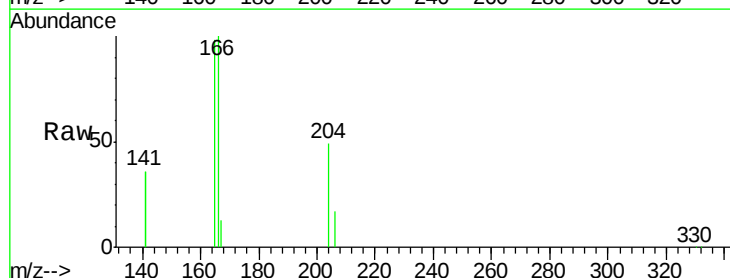
Tgt Ion:166 Resp: 80937

Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

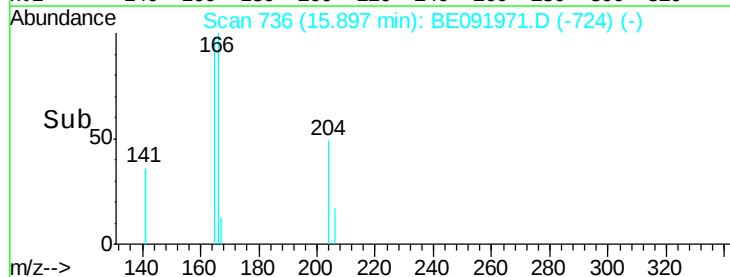
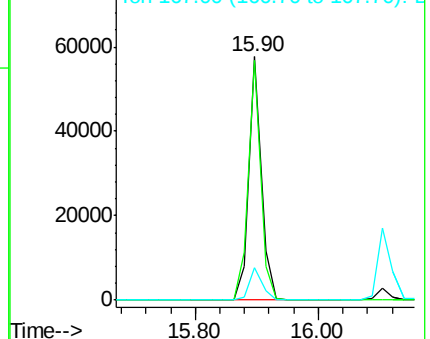
167 13.5 10.8 16.2

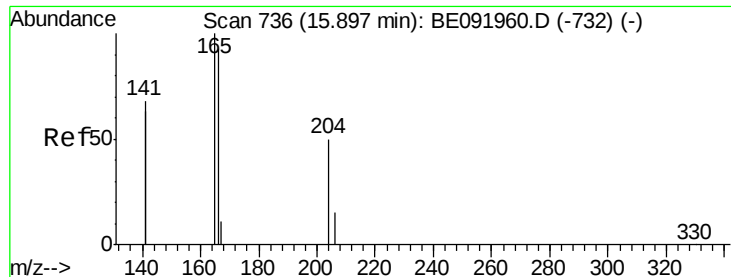


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

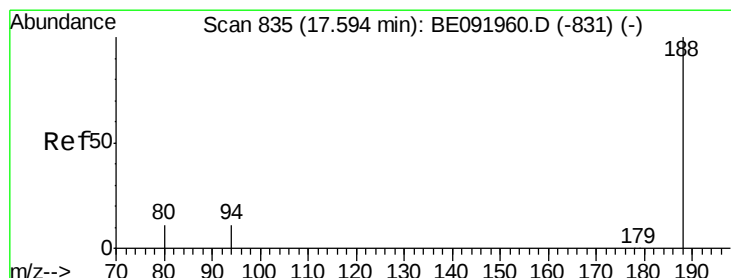
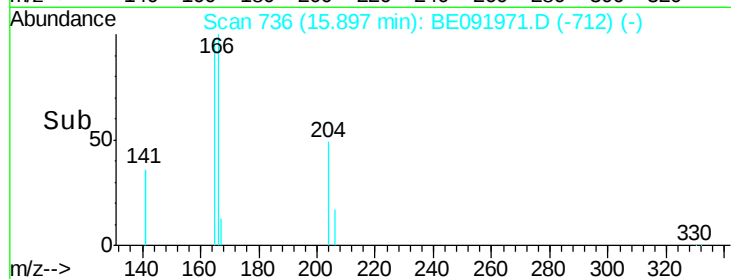
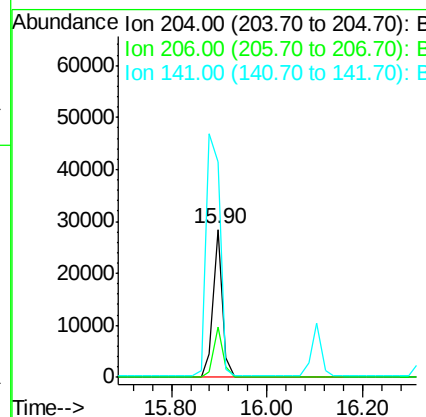
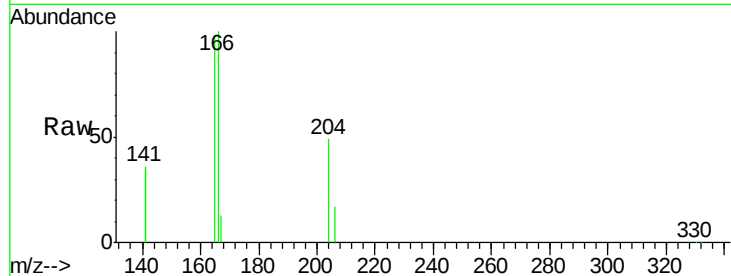




#23
 4-Chlorophenyl-phenylether
 Concen: 3.58 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE091971.D
 Acq: 5 Jul 2016 21:08

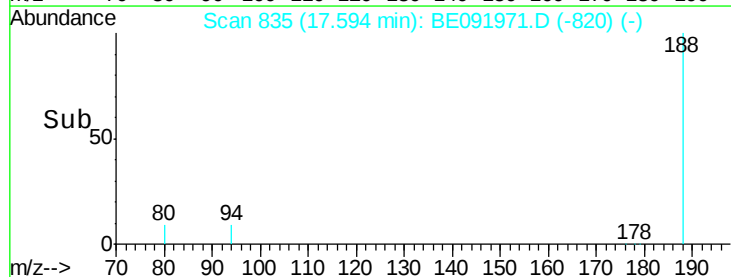
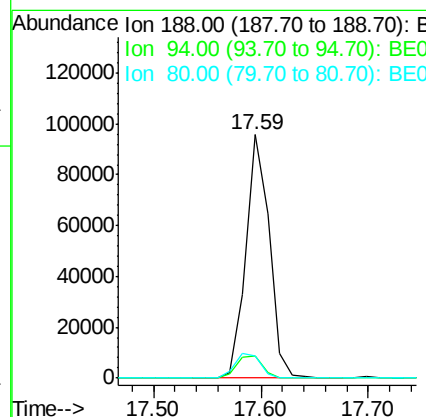
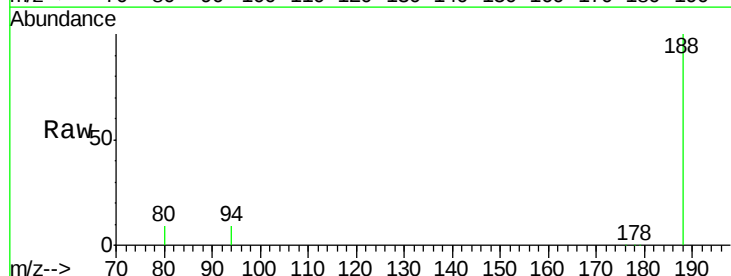
Instrument :
 BNA_E
 ClientSampleId :
 PB91781BS

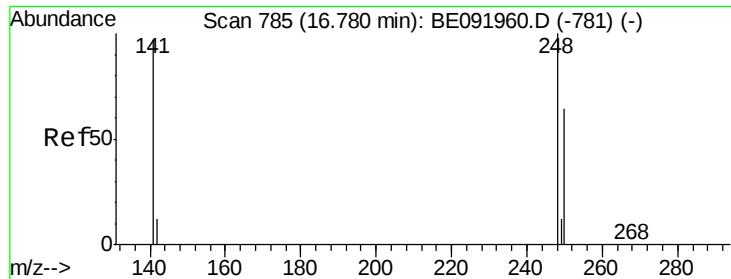
Tgt Ion: 204 Resp: 38255
 Ion Ratio Lower Upper
 204 100
 206 34.2 27.8 41.6
 141 246.2 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091971.D
 Acq: 5 Jul 2016 21:08

Tgt Ion: 188 Resp: 143710
 Ion Ratio Lower Upper
 188 100
 94 9.3 4.1 6.1#
 80 9.0 3.4 5.2#

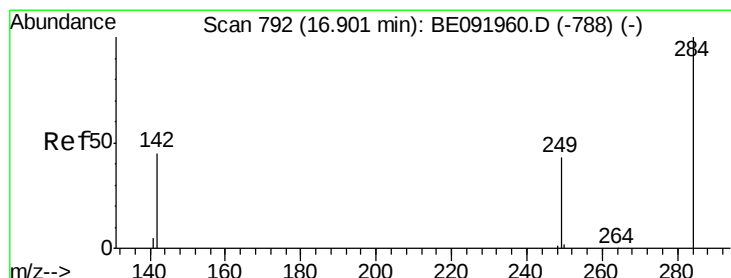
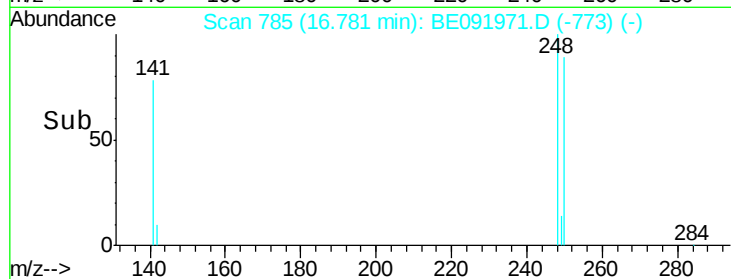
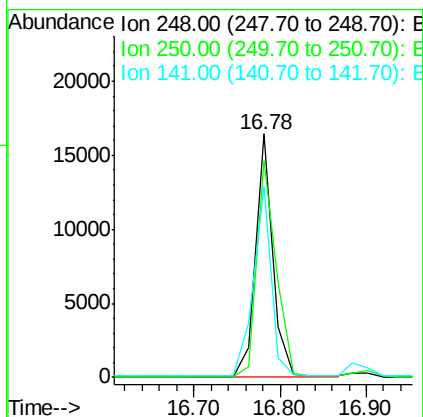
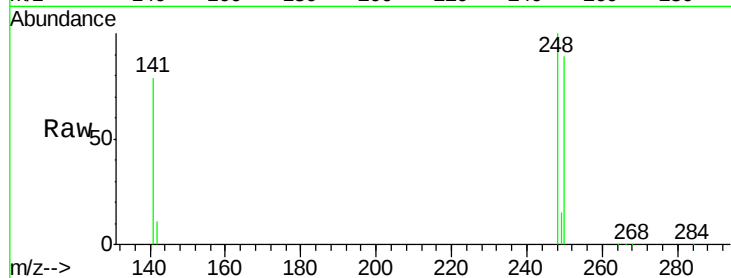




#25
4-Bromophenyl-phenylether
Concen: 3.65 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

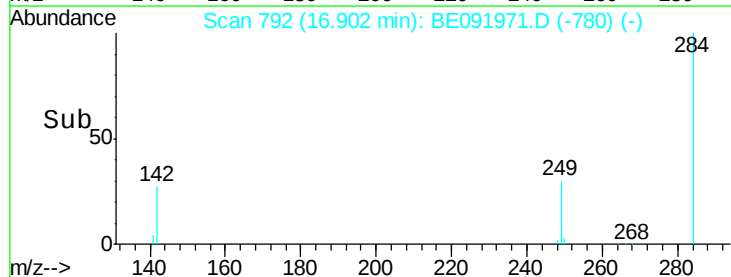
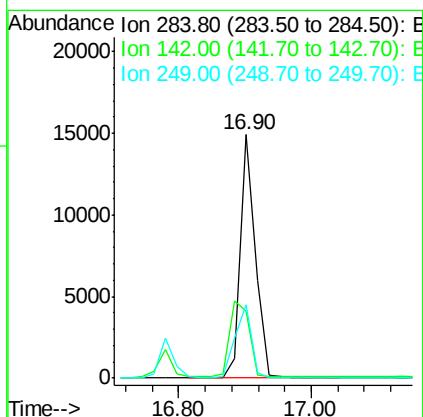
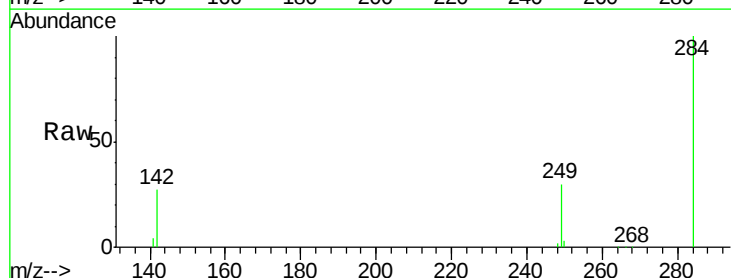
Instrument :
BNA_E
ClientSampleId :
PB91781BS

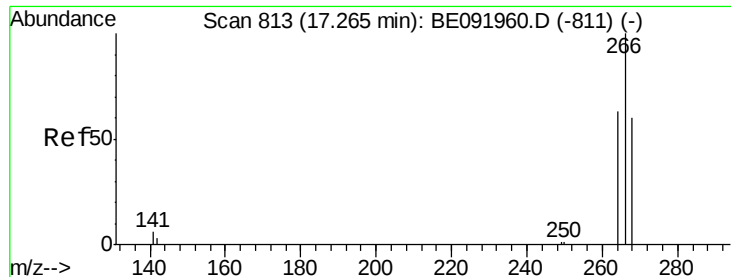
Tgt Ion:248 Resp: 22810
Ion Ratio Lower Upper
248 100
250 100.1 75.7 113.5
141 81.5 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.71 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE091971.D
Acq: 5 Jul 2016 21:08

Tgt Ion:284 Resp: 23008
Ion Ratio Lower Upper
284 100
142 40.6 31.4 47.2
249 32.3 25.3 37.9





#27

Pentachlorophenol

Concen: 6.41 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

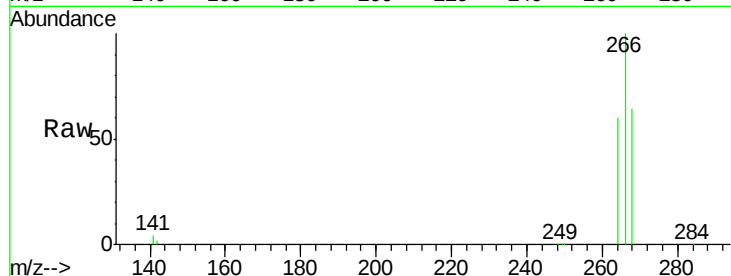
Tgt Ion:266 Resp: 20834

Ion Ratio Lower Upper

266 100

268 63.9 60.5 90.7

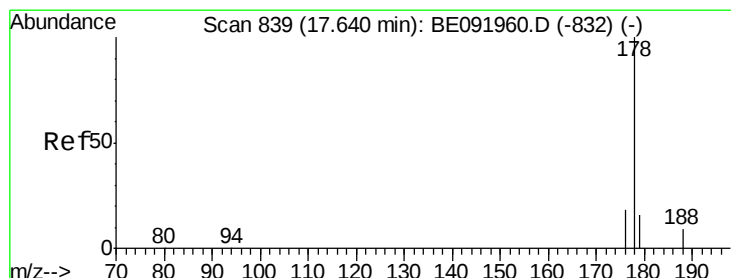
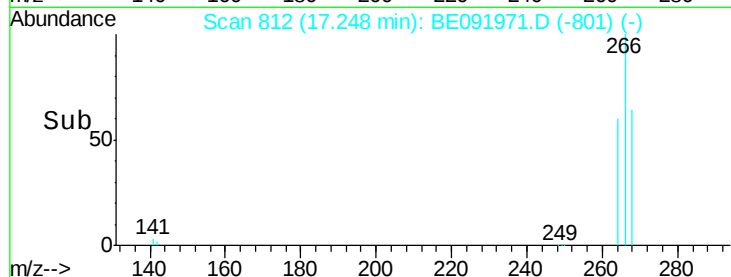
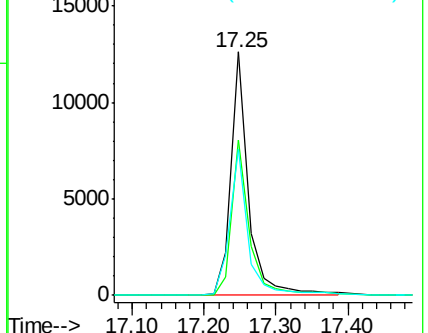
264 60.4 51.0 76.4



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: 3.70 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

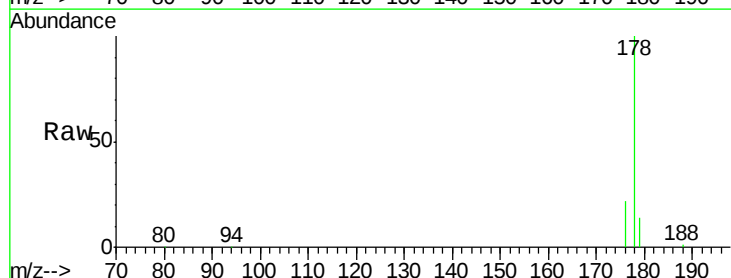
Tgt Ion:178 Resp: 138642

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

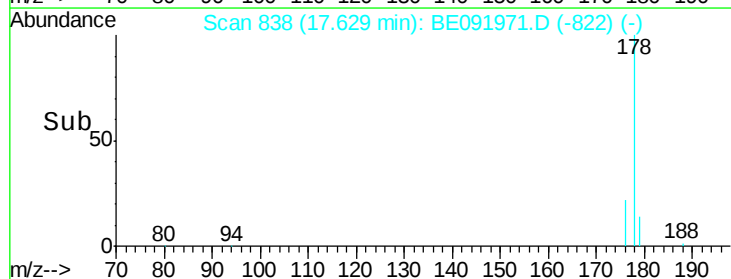
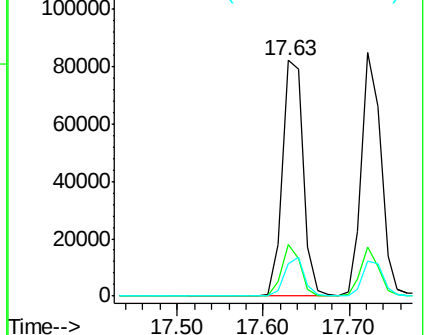
179 15.5 12.9 19.3

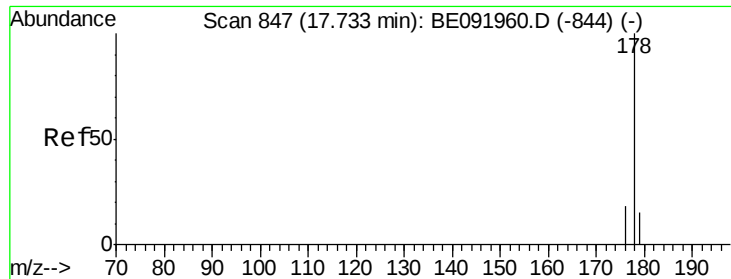


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.83 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

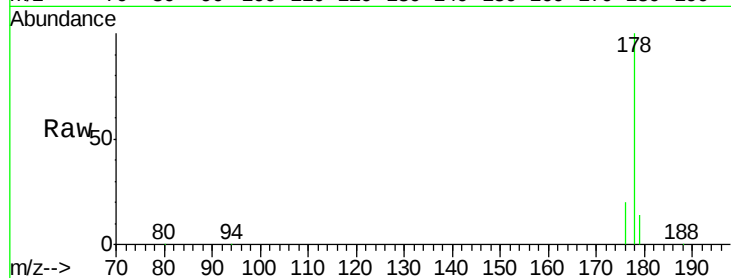
Tgt Ion:178 Resp: 134202

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

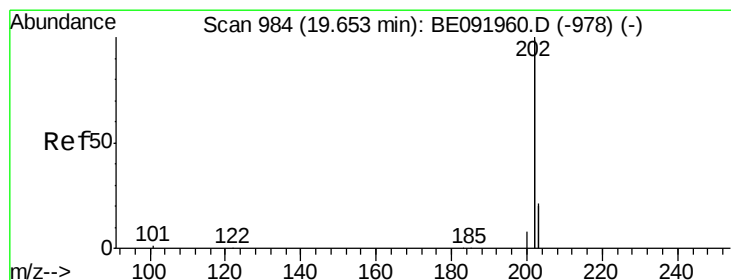
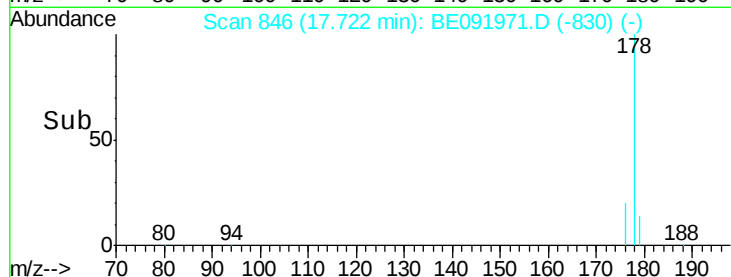
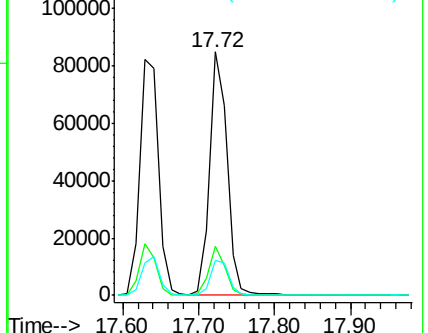
179 15.2 12.1 18.1



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: 3.60 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

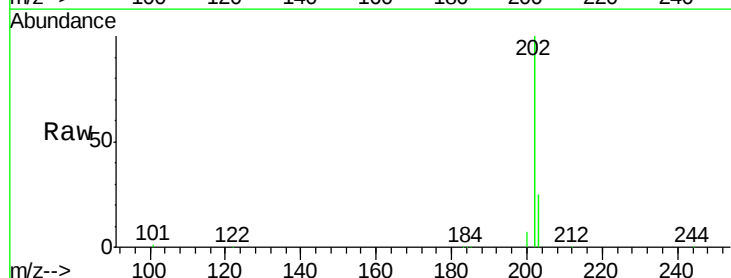
Tgt Ion:202 Resp: 579793

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

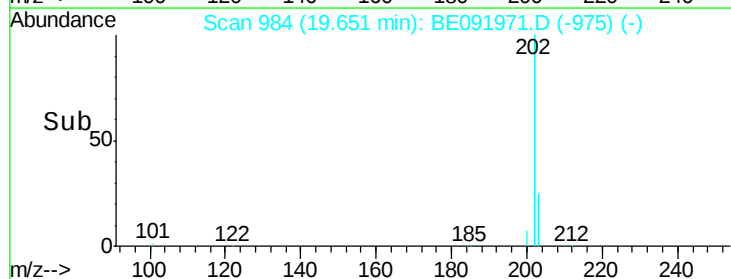
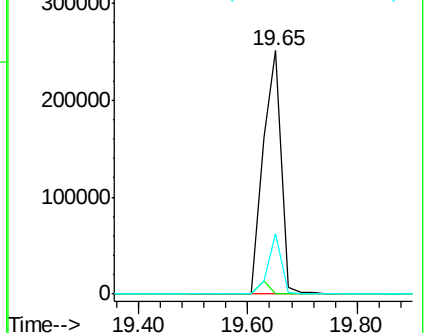
203 18.7 14.3 21.5

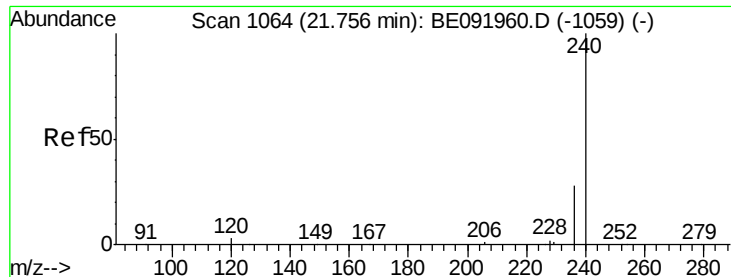


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

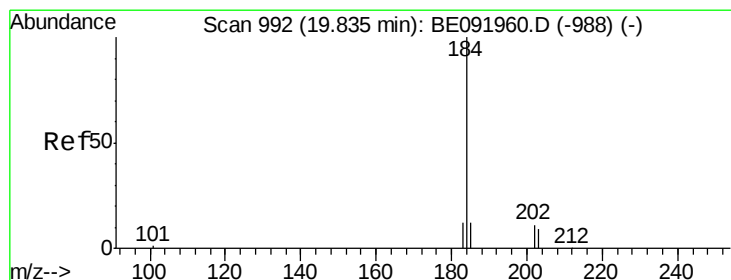
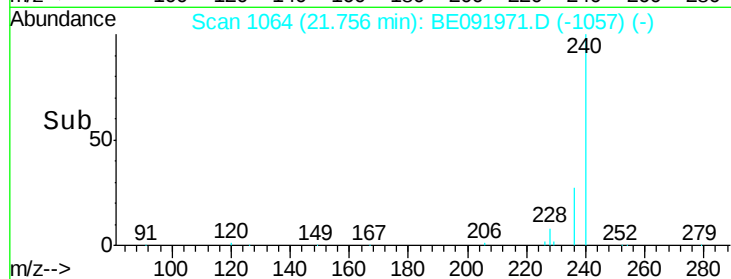
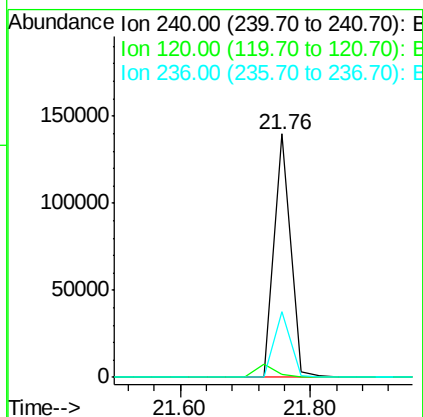
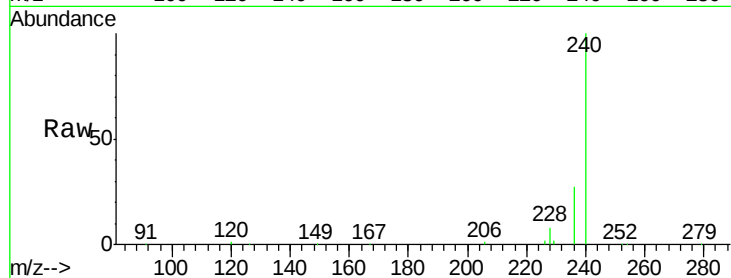




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BE091971.D
 Acq: 5 Jul 2016 21:08

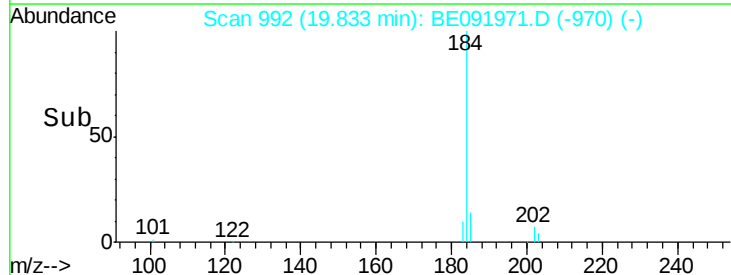
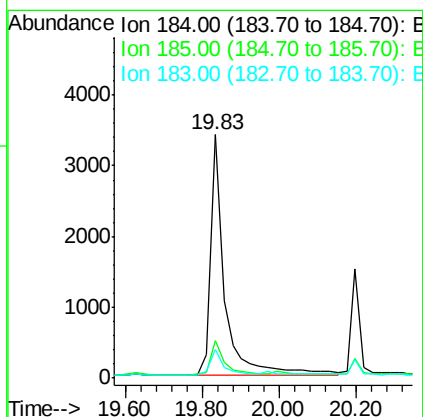
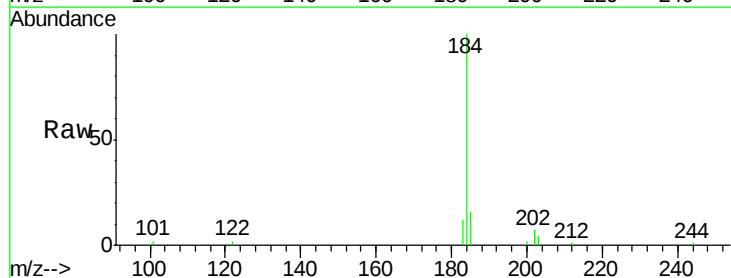
Instrument :
 BNA_E
 ClientSampleId :
 PB91781BS

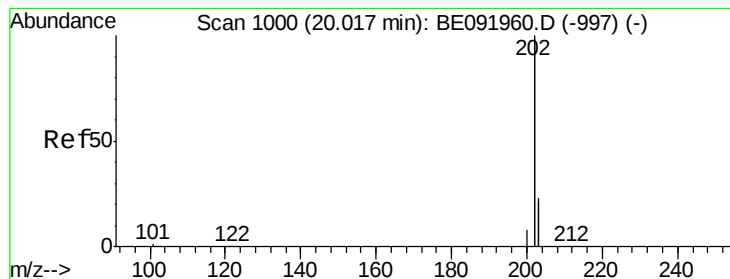
Tgt Ion:240 Resp: 248051
 Ion Ratio Lower Upper
 240 100
 120 1.4 1.2 1.8
 236 27.2 19.8 29.8



#32
 Benzidine
 Concen: 0.63 ng
 RT: 19.83 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BE091971.D
 Acq: 5 Jul 2016 21:08

Tgt Ion:184 Resp: 8428
 Ion Ratio Lower Upper
 184 100
 185 15.7 11.4 17.2
 183 11.7 11.8 17.6#





#33

Pyrene

Concen: 3.36 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

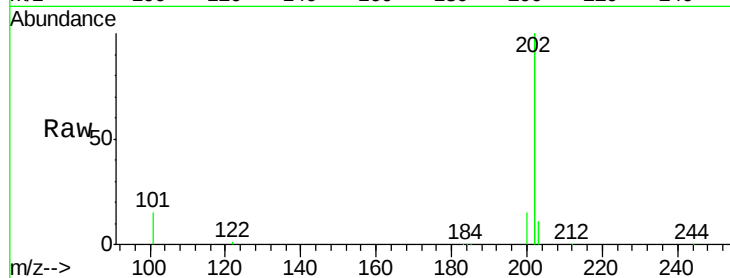
Tgt Ion: 202 Resp: 607054

Ion Ratio Lower Upper

202 100

200 5.6 16.9 25.3#

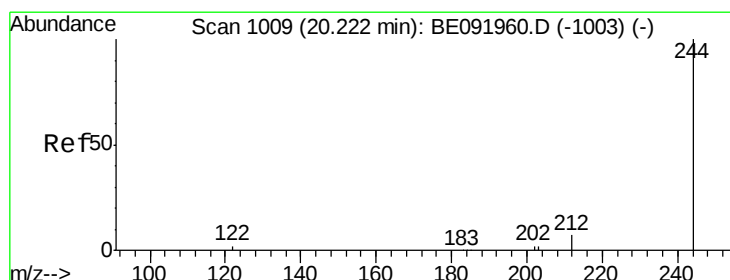
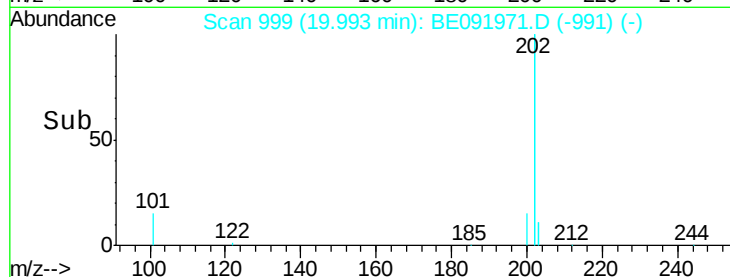
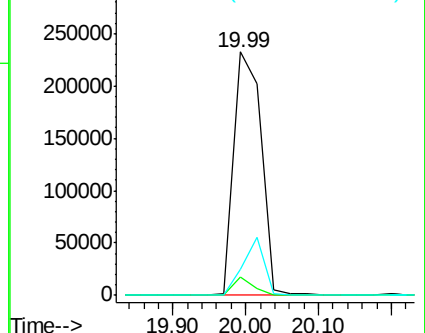
203 0.0 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 3.39 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

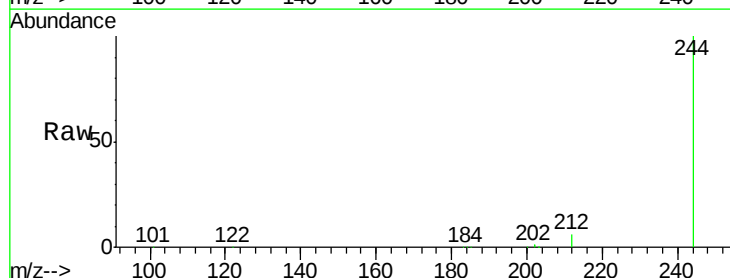
Tgt Ion: 244 Resp: 99073

Ion Ratio Lower Upper

244 100

212 6.4 6.5 9.7#

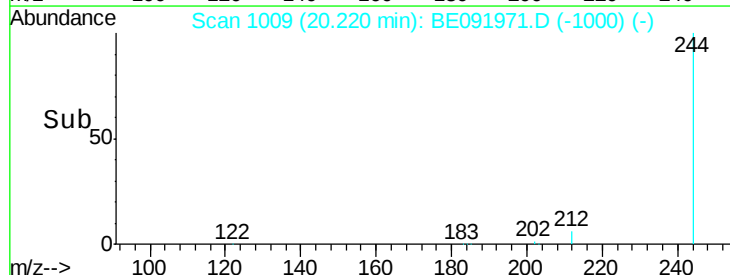
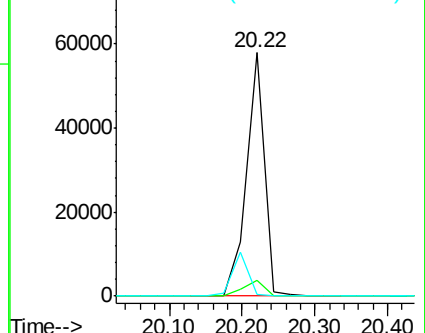
122 0.5 2.9 4.3#

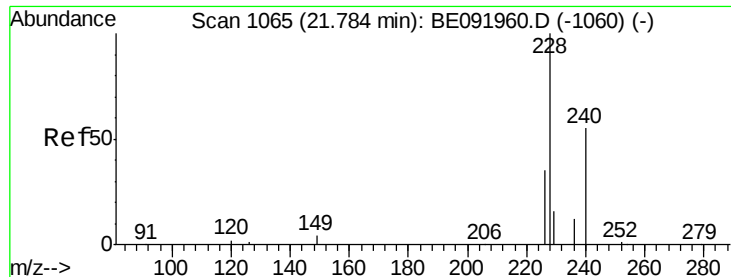


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 9.44 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

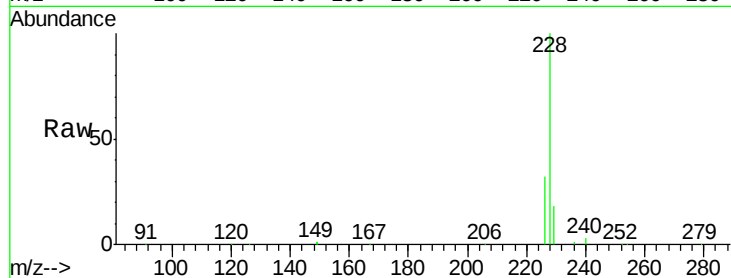
Tgt Ion:228 Resp: 391972

Ion Ratio Lower Upper

228 100

226 32.3 21.0 31.4#

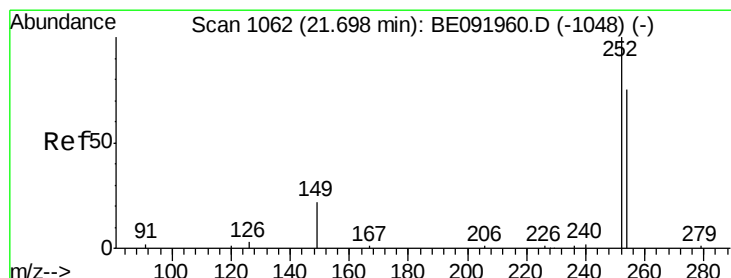
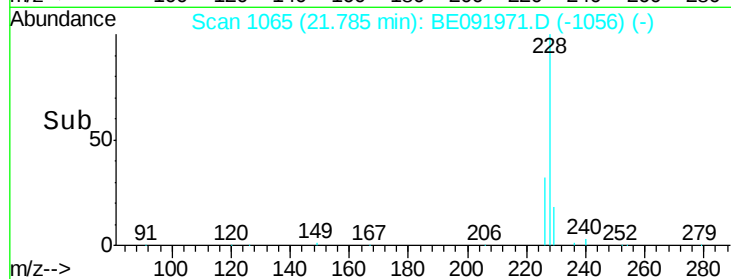
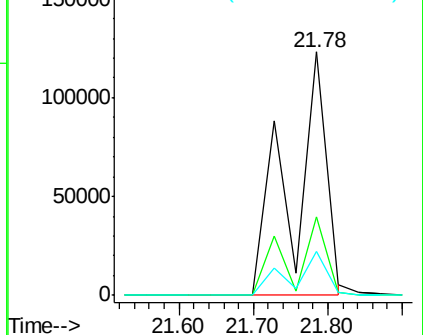
229 17.8 15.8 23.8



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: 1.68 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

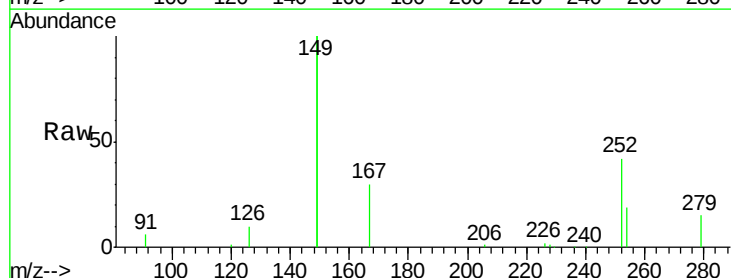
Tgt Ion:252 Resp: 18489

Ion Ratio Lower Upper

252 100

254 43.9 61.5 92.3#

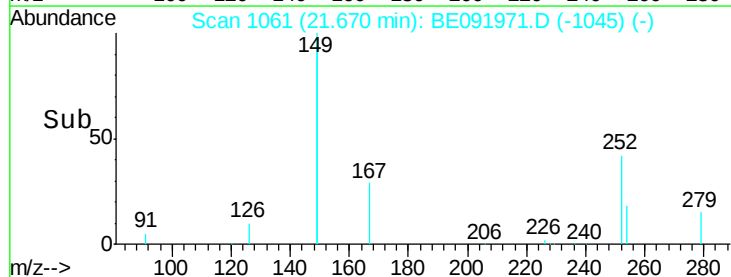
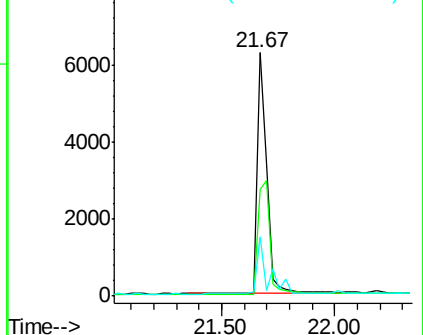
126 24.5 2.5 3.7#

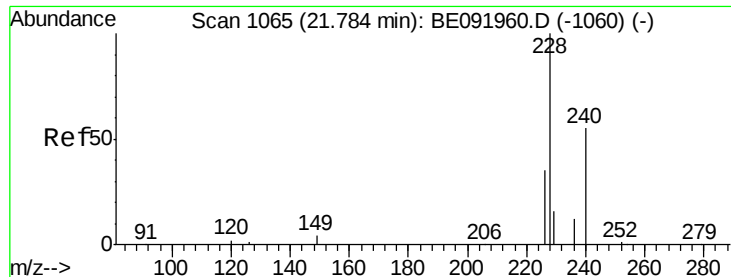


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 6.71 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

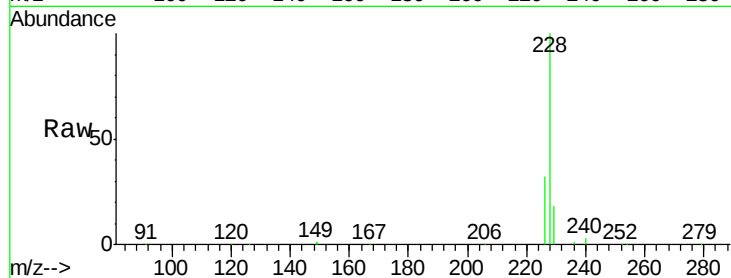
Tgt Ion:228 Resp: 395013

Ion Ratio Lower Upper

228 100

226 32.3 27.0 40.6

229 17.8 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

21.78

150000

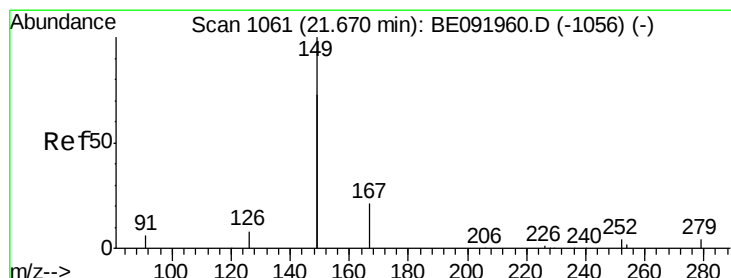
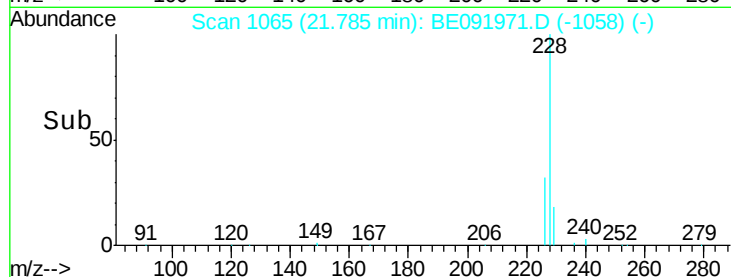
100000

50000

0

21.60 21.80

Time-->



#38

Bis(2-ethylhexyl)phthalate

Concen: 2.99 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

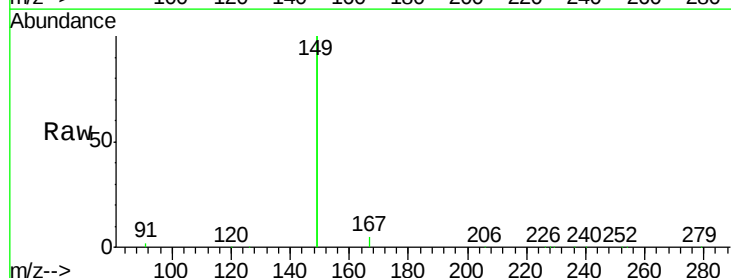
Tgt Ion:149 Resp: 143821

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

21.64

60000

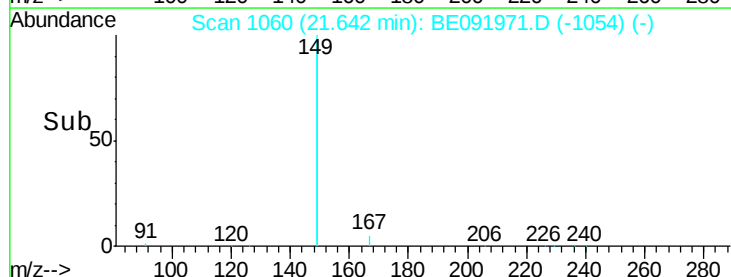
40000

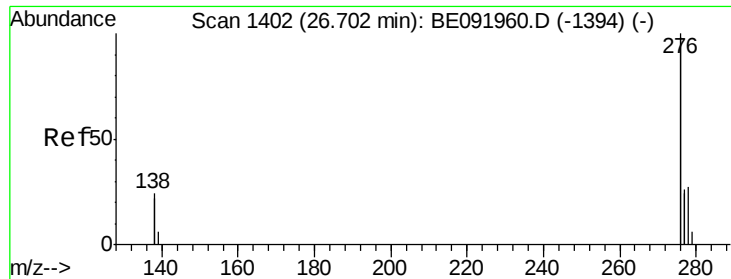
20000

0

21.50 21.60 21.70 21.80

Time-->





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.64 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

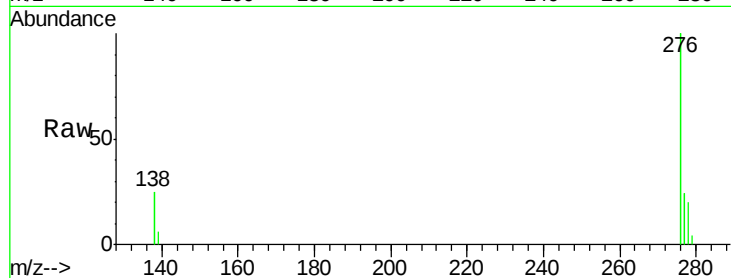
Tgt Ion: 276 Resp: 839945

Ion Ratio Lower Upper

276 100

138 26.1 19.7 29.5

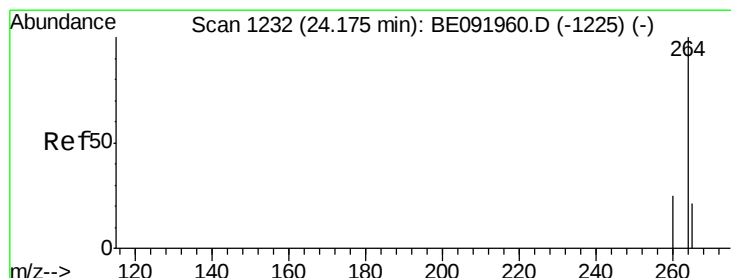
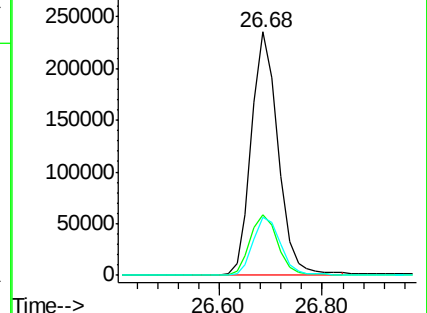
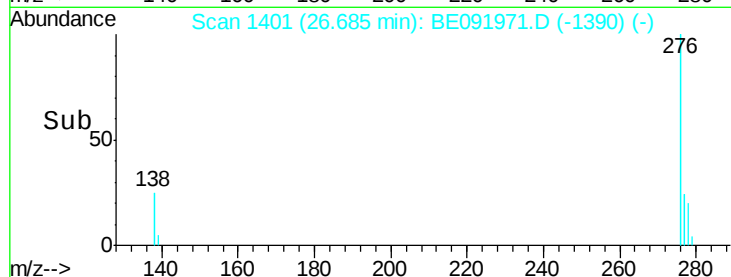
277 24.7 20.1 30.1



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: 24.17 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

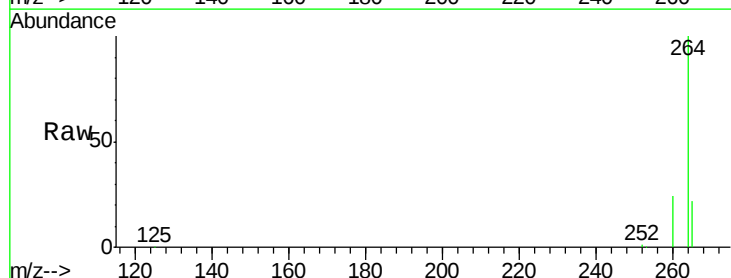
Tgt Ion: 264 Resp: 178750

Ion Ratio Lower Upper

264 100

260 24.2 20.3 30.5

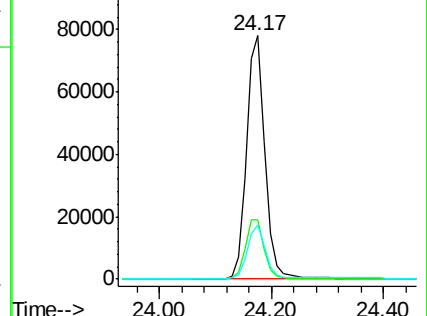
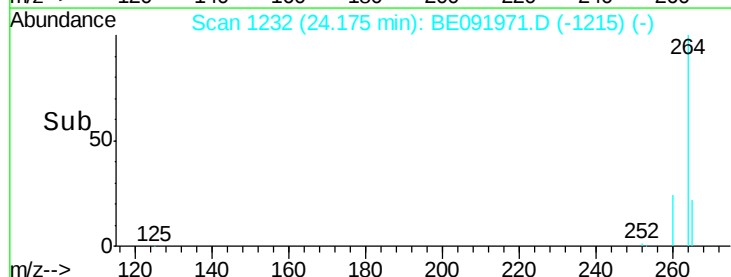
265 22.4 17.6 26.4

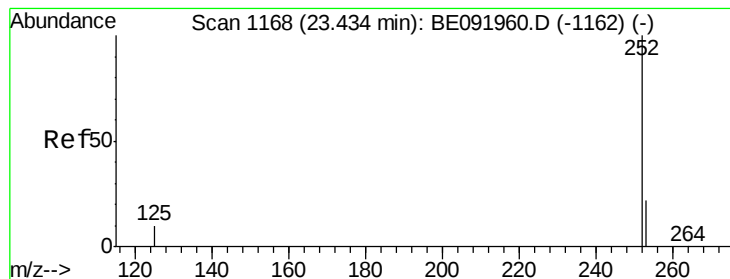


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.70 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

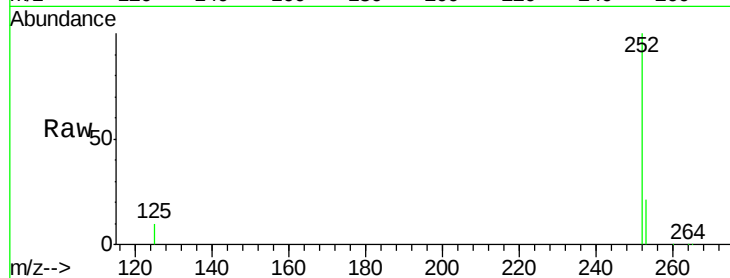
Tgt Ion:252 Resp: 182793

Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.6

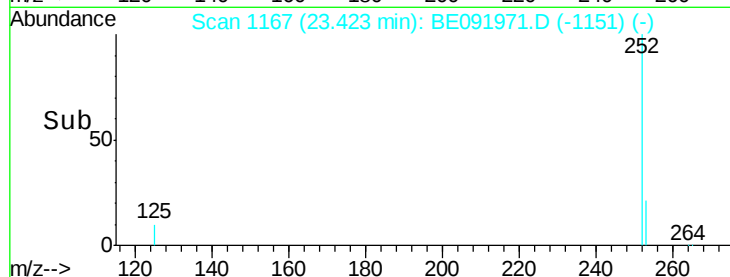
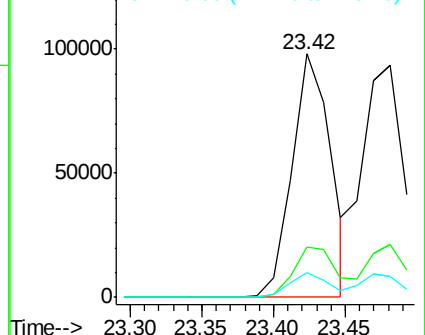
125 10.3 9.4 14.2



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: 4.05 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

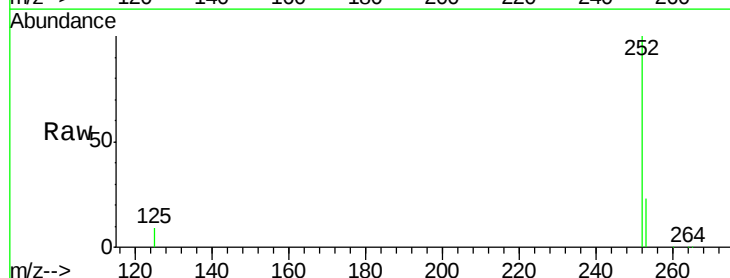
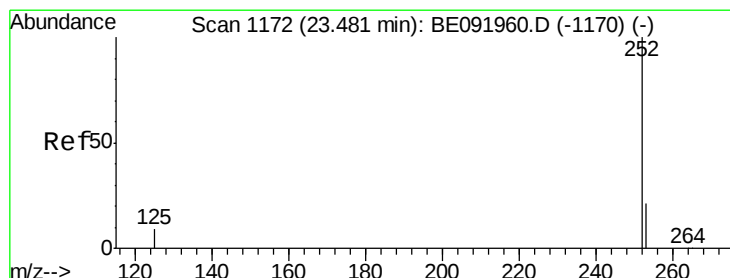
Tgt Ion:252 Resp: 193342

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

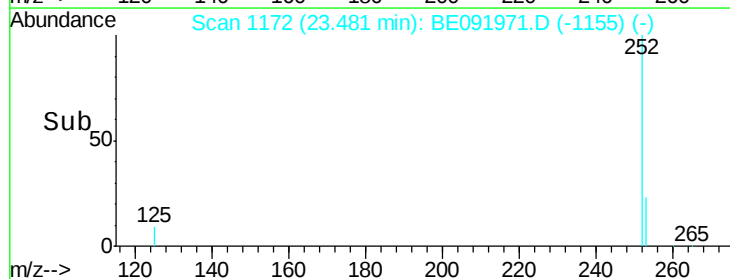
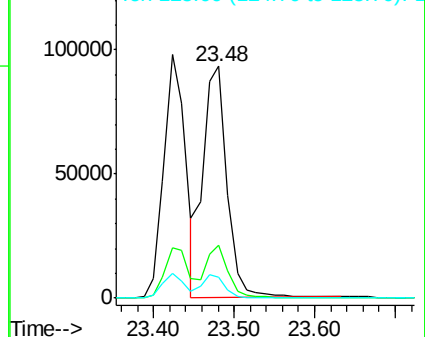
125 9.2 8.3 12.5

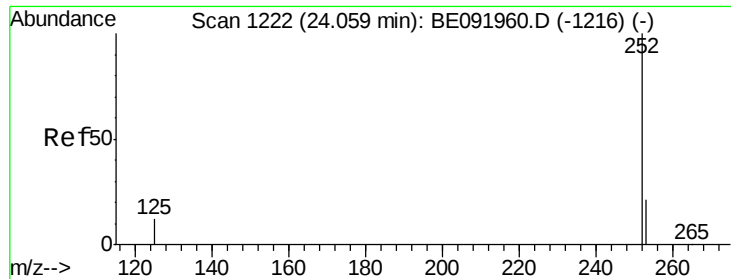


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 3.75 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS

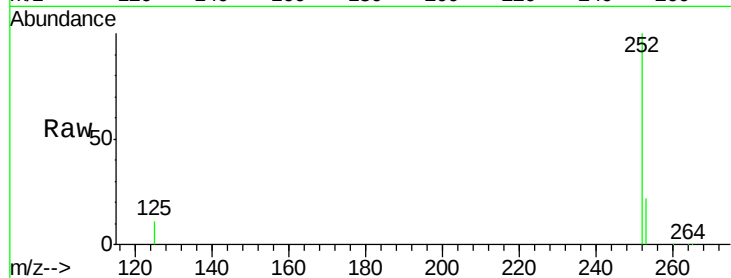
Tgt Ion: 252 Resp: 174937

Ion Ratio Lower Upper

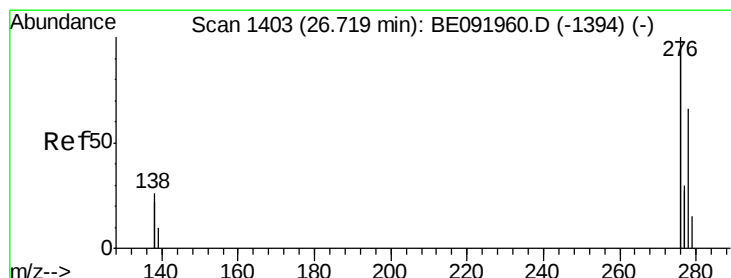
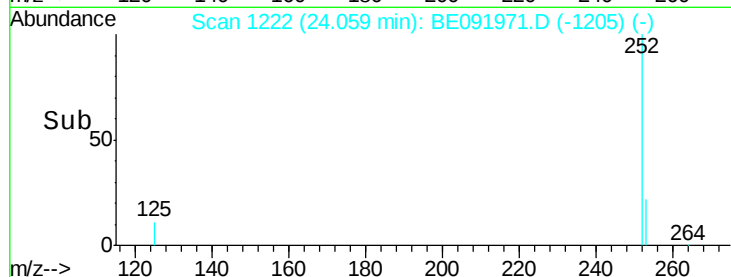
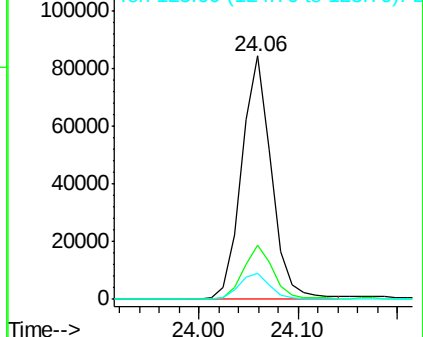
252 100

253 22.4 18.9 28.3

125 10.8 10.5 15.7



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



#44

Dibenzo(a,h)anthracene

Concen: 3.99 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE091971.D

Acq: 5 Jul 2016 21:08

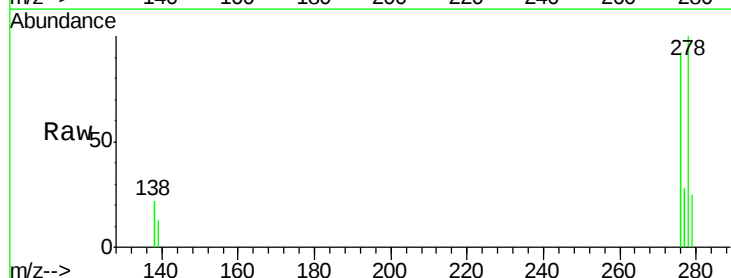
Tgt Ion: 278 Resp: 174956

Ion Ratio Lower Upper

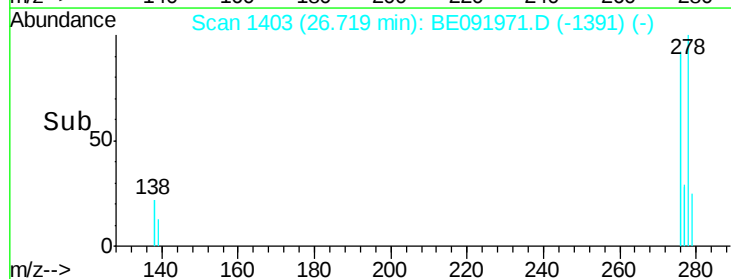
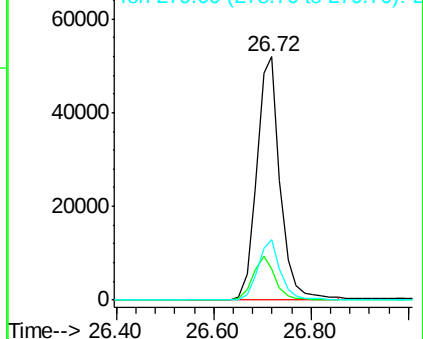
278 100

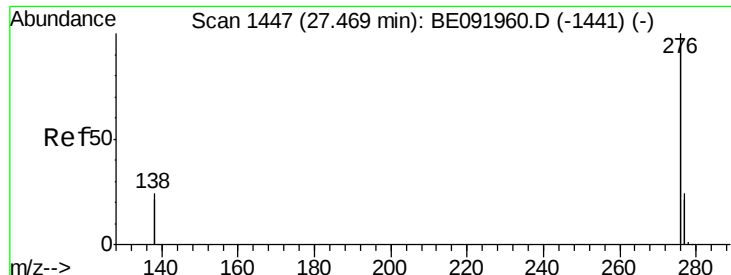
139 12.6 12.6 18.8

279 24.8 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: 3.97 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BE091971.D

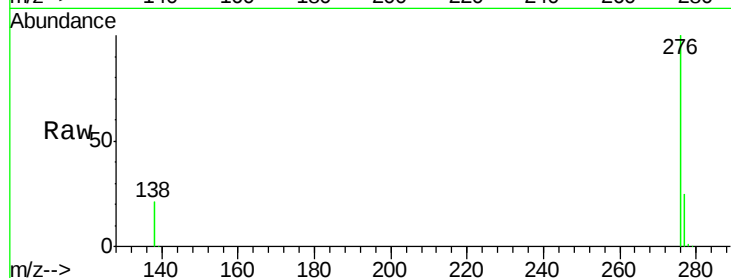
Acq: 5 Jul 2016 21:08

Instrument :

BNA_E

ClientSampleId :

PB91781BS



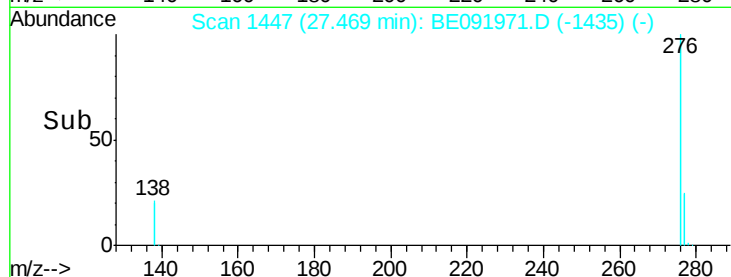
Tgt Ion: 276 Resp: 711067

Ion Ratio Lower Upper

276 100

277 24.7 19.5 29.3

138 20.8 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

