

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091982.D
 Acq On : 6 Jul 2016 4:06
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc : LOQ1.0
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDC00.4EC

Quant Time: Jul 06 05:56:12 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	19088	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	88438	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	64081	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	140019	5.00	ng	0.00
31) Chrysene-d12	21.76	240	248517	5.00	ng	0.00
40) Perylene-d12	24.17	264	198059	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1719	0.38	ng	0.00
5) Phenol-d6	7.37	99	2221	0.35	ng	0.00
9) Nitrobenzene-d5	9.37	82	2205	0.37	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	621	0.41	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	6424	0.41	ng	0.00
34) Terphenyl-d14	20.22	244	10453	0.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1133	0.44	ng	96
3) n-Nitrosodimethylamine	3.83	42	1117	0.37	ng	# 86
6) bis(2-Chloroethyl)ether	7.63	93	2168	0.39	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	1817	0.34	ng	# 99
10) Nitrobenzene	9.42	77	2352	0.36	ng	# 98
11) bis(2-Chloroethoxy)methane	10.44	93	3282	0.44	ng	# 15
12) Naphthalene	11.04	128	8396	0.41	ng	96
13) Hexachlorobutadiene	11.34	225	1264	0.40	ng	97
14) 2-Methylnaphthalene	12.68	142	5239	0.40	ng	98
18) Acenaphthylene	14.56	152	31654	0.39	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	3904	0.33	ng	# 45
20) Acenaphthene	14.92	154	6967	0.40	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	6954	0.54	ng	# 1
22) Fluorene	15.90	166	7712	0.42	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	3818	0.41	ng	98
25) 4-Bromophenyl-phenylether	16.78	248	2350	0.39	ng	98
26) Hexachlorobenzene	16.90	284	2435	0.40	ng	100
27) Pentachlorophenol	17.26	266	589	0.39	ng	98
28) Phenanthrene	17.64	178	14840	0.41	ng	100
29) Anthracene	17.73	178	13244	0.39	ng	99
30) Fluoranthene	19.65	202	63079	0.40	ng	# 87
32) Benzidine	19.84	184	3329	0.38	ng	# 95
33) Pyrene	20.02	202	66282	0.37	ng	# 75
35) Benzo(a)anthracene	21.78	228	45289	1.09	ng	# 89
36) 3,3'-Dichlorobenzidine	21.70	252	3694	0.28	ng	# 99
37) Chrysene	21.78	228	45843	0.78	ng	100
38) Bis(2-ethylhexyl)phthalate	21.67	149	15128	0.31	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	89021	0.38	ng	98
41) Benzo(b)fluoranthene	23.43	252	21800	0.40	ng	97
42) Benzo(k)fluoranthene	23.48	252	20214	0.38	ng	98
43) Benzo(a)pyrene	24.06	252	19672	0.38	ng	99
44) Dibenzo(a,h)anthracene	26.72	278	18191	0.37	ng	100
45) Benzo(g,h,i)perylene	27.47	276	74464	0.38	ng	99

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Misc : LOQ1.0
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 06 05:56:12 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

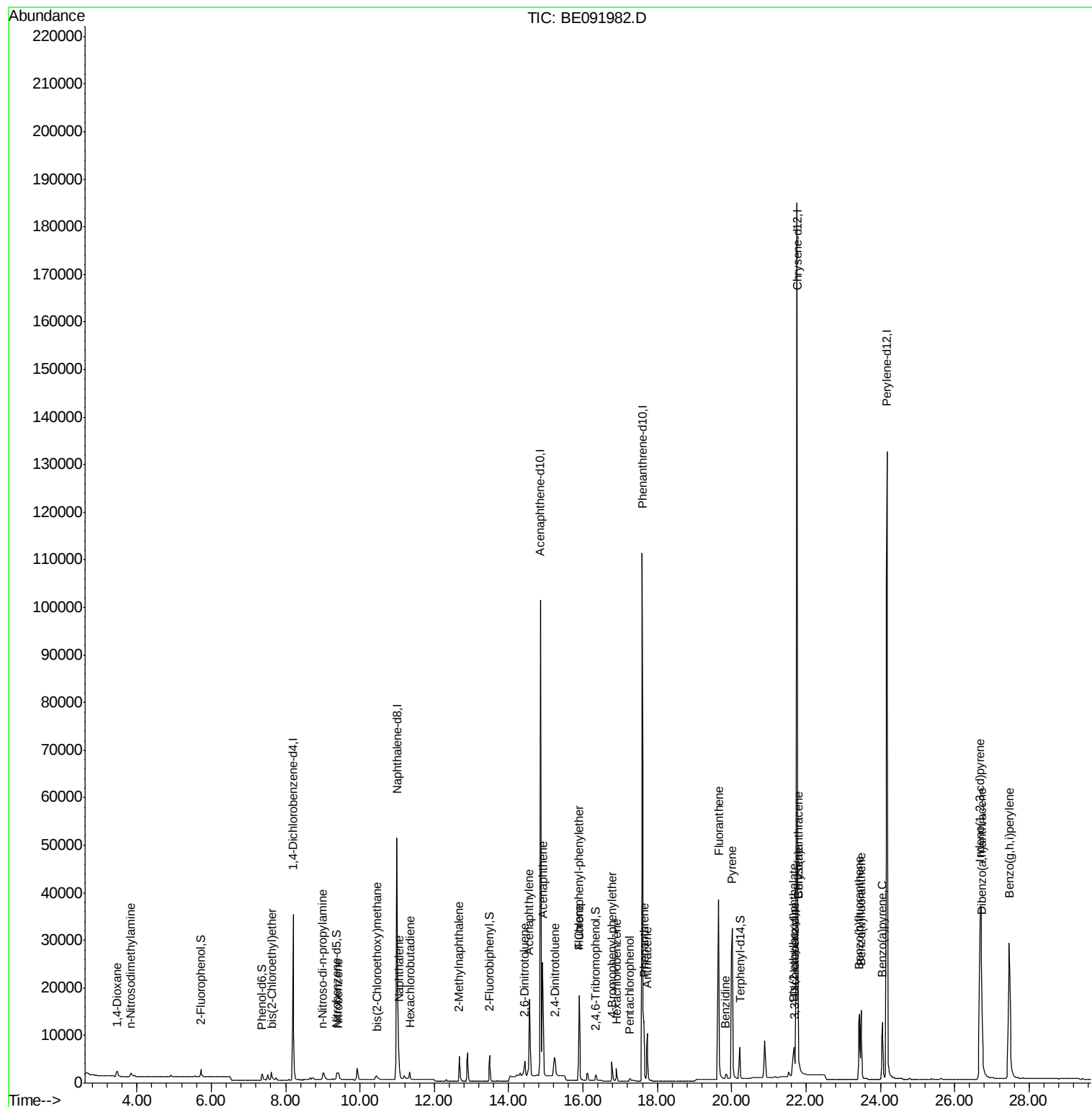
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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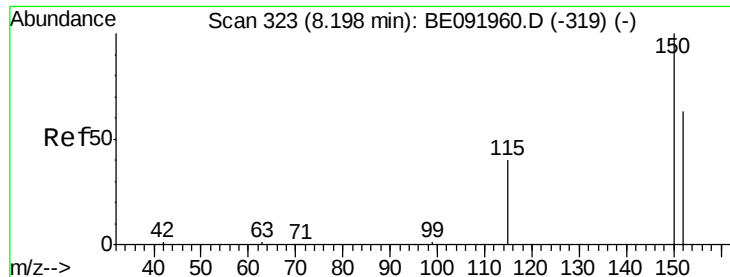
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

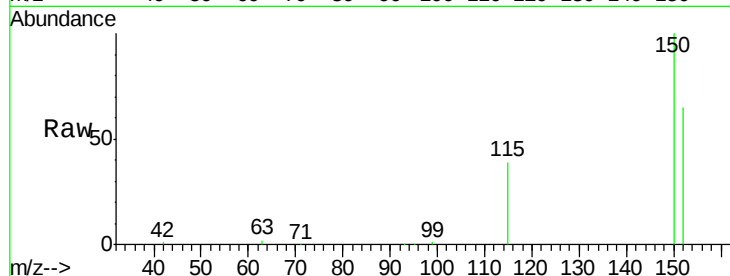
Tgt Ion: 152 Resp: 19088

Ion Ratio Lower Upper

152 100

150 154.9 123.9 185.9

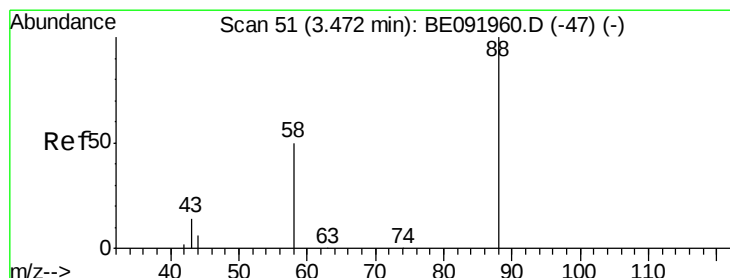
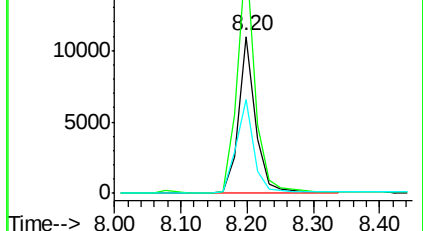
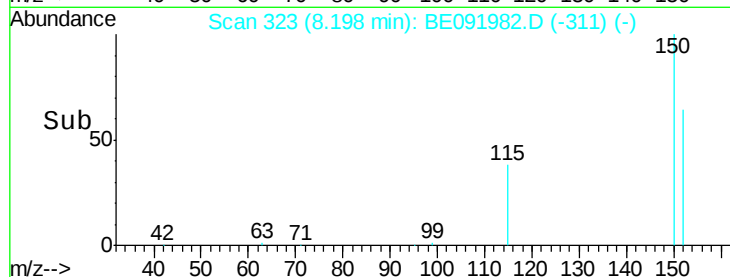
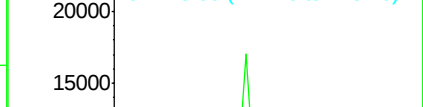
115 59.7 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.44 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

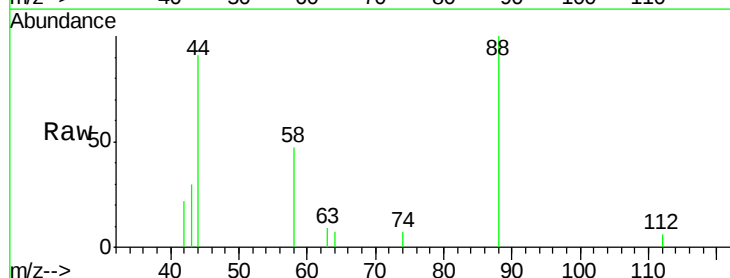
Tgt Ion: 88 Resp: 1133

Ion Ratio Lower Upper

88 100

58 83.9 63.0 94.4

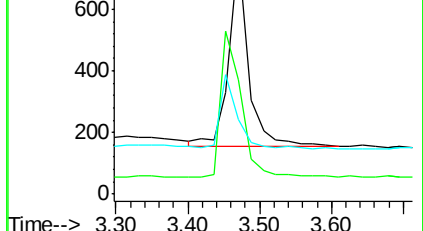
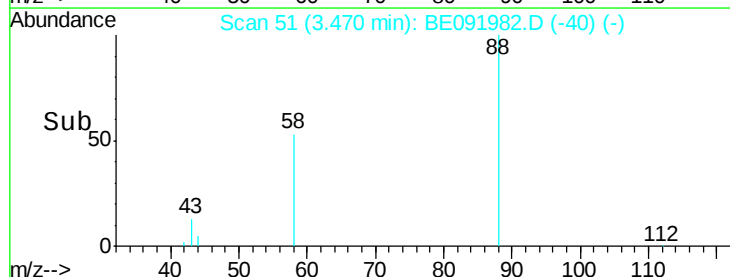
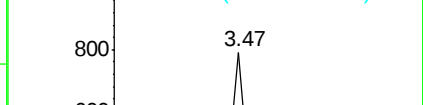
43 37.2 29.1 43.7

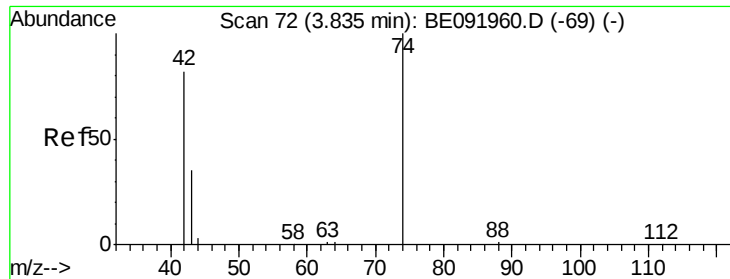


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.37 ng

RT: 3.83 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

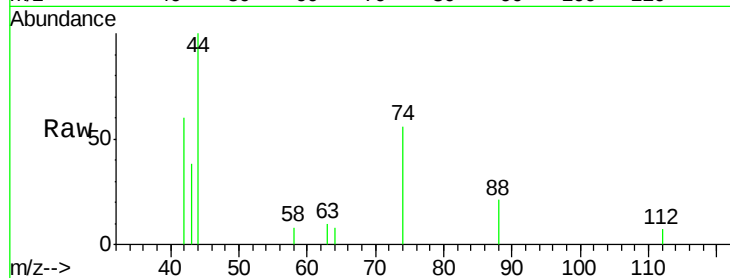
Tgt Ion: 42 Resp: 1117

Ion Ratio Lower Upper

42 100

74 101.0 93.4 140.0

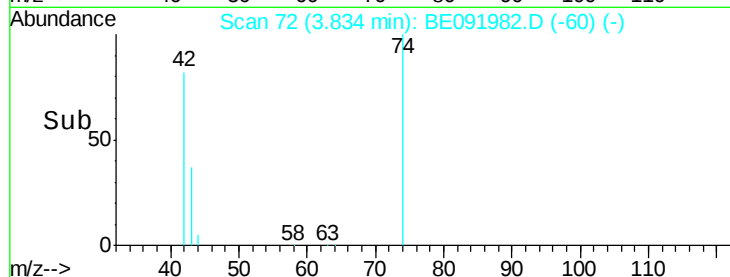
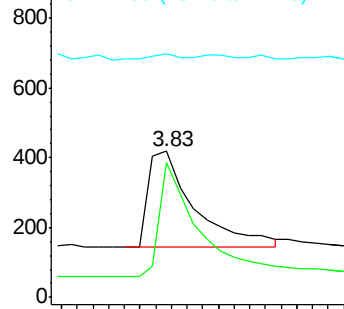
44 2.7 5.0 7.6#



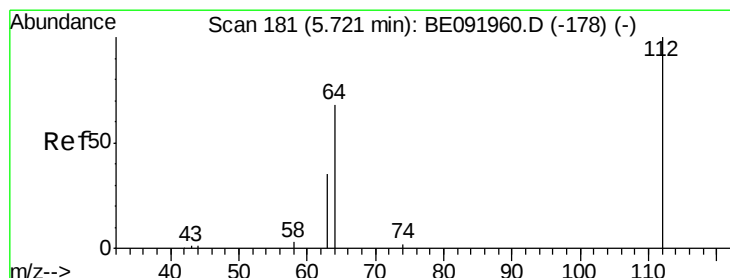
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.38 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

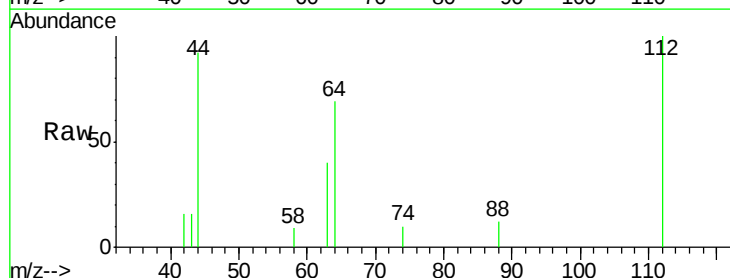
Tgt Ion: 112 Resp: 1719

Ion Ratio Lower Upper

112 100

64 66.7 53.7 80.5

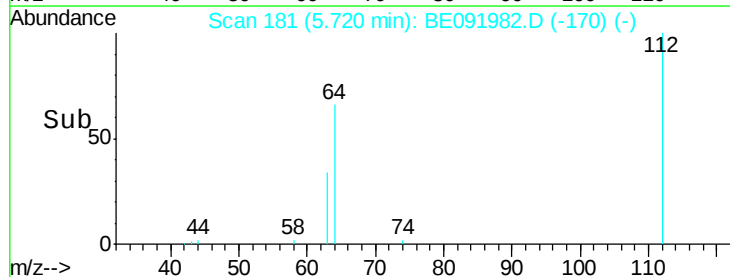
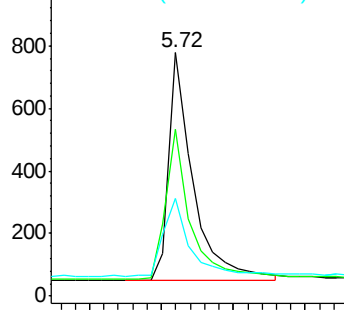
63 36.9 29.5 44.3

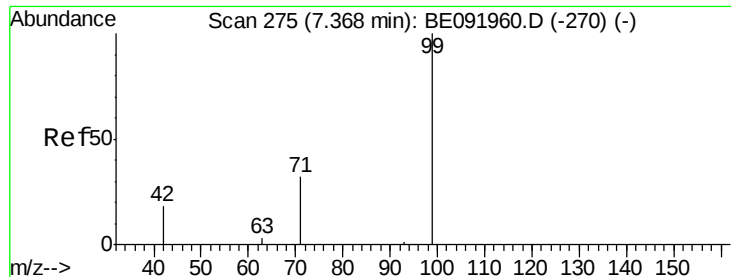


Abundance Ion 112.00 (111.70 to 112.70): BE0

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: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

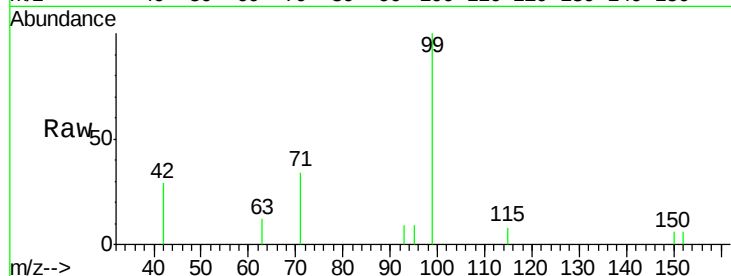
Tgt Ion: 99 Resp: 2221

Ion Ratio Lower Upper

99 100

42 26.5 19.6 29.4

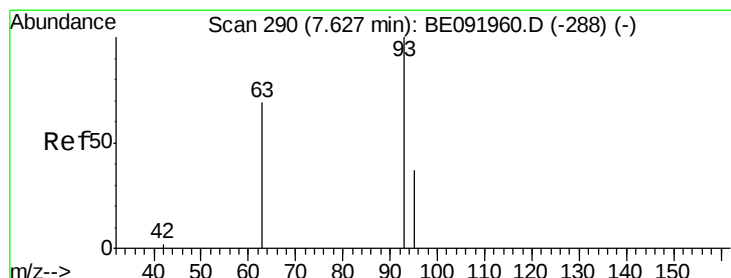
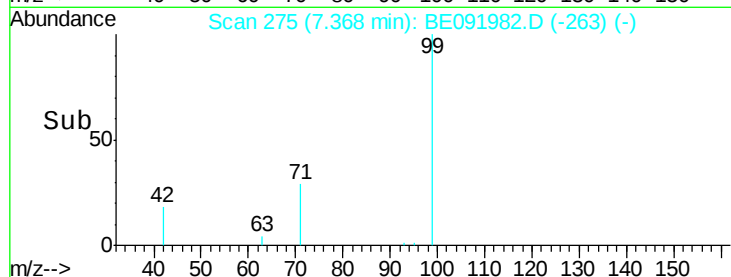
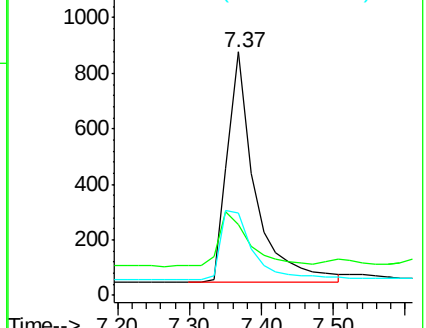
71 34.9 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.39 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

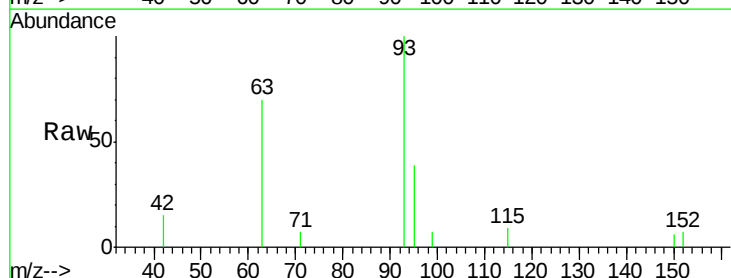
Tgt Ion: 93 Resp: 2168

Ion Ratio Lower Upper

93 100

63 79.4 66.2 99.4

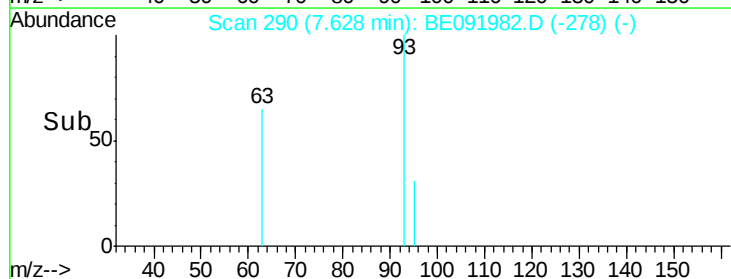
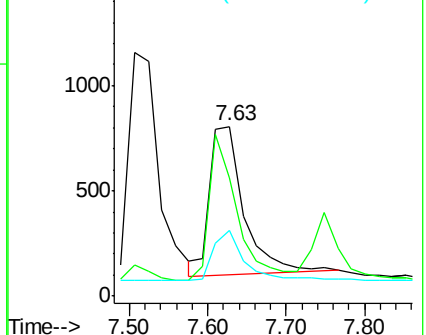
95 32.0 25.5 38.3

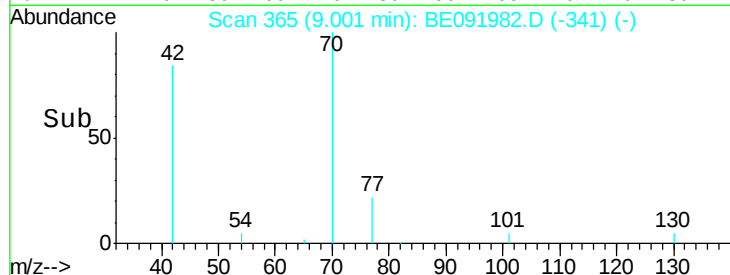
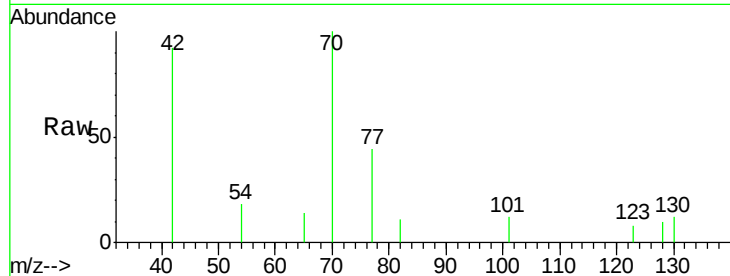
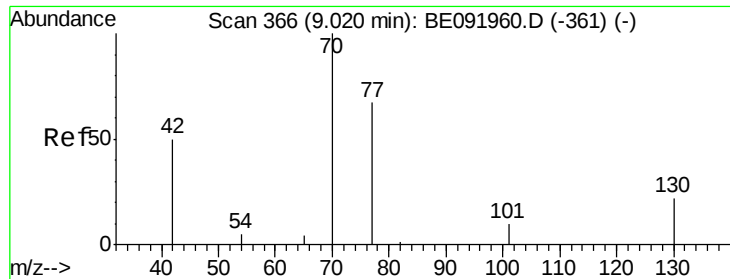


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.34 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 1817

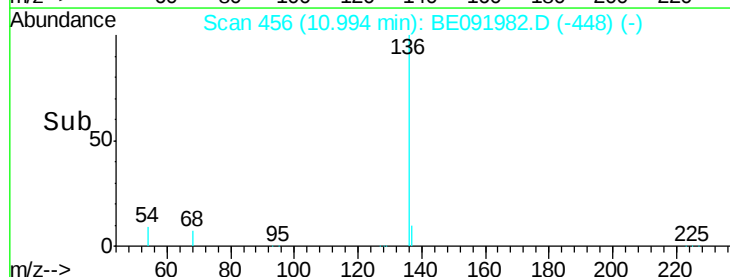
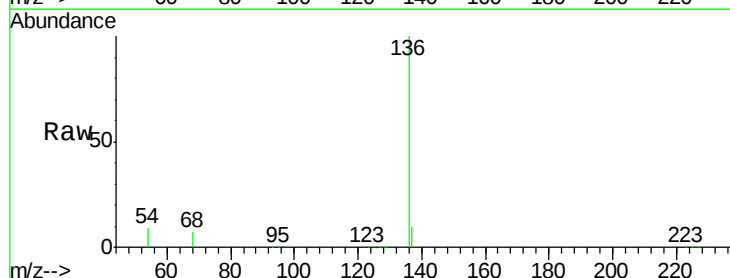
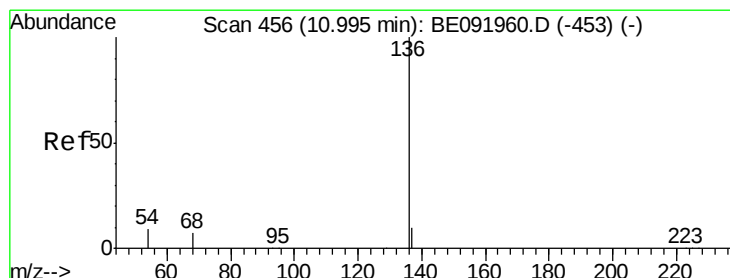
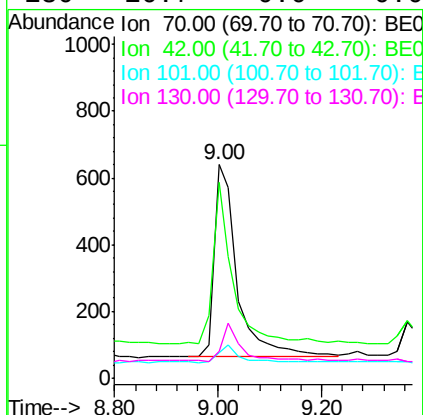
Ion Ratio Lower Upper

70 100

42 73.5 58.4 87.6

101 9.7 6.4 9.6#

130 16.7 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: BE091982.D

Acq: 6 Jul 2016 4:06

Tgt Ion: 136 Resp: 88438

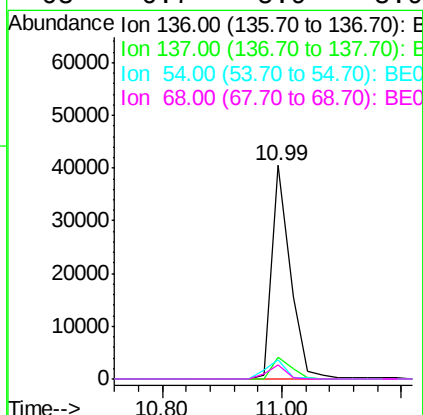
Ion Ratio Lower Upper

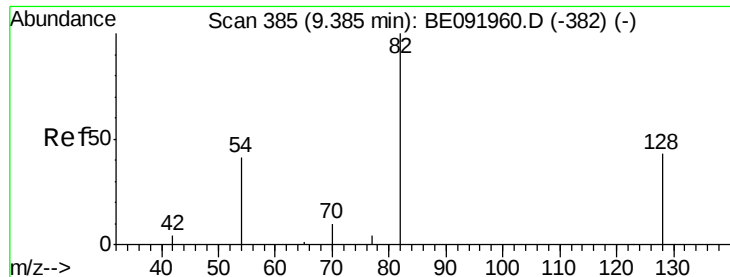
136 100

137 10.2 8.3 12.5

54 8.9 8.2 12.4

68 6.7 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.37 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

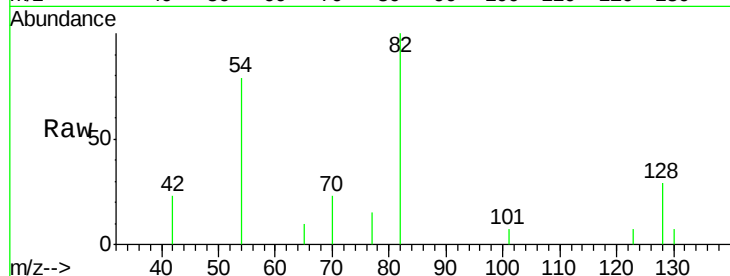
Tgt Ion: 82 Resp: 2205

Ion Ratio Lower Upper

82 100

128 28.9 39.5 59.3#

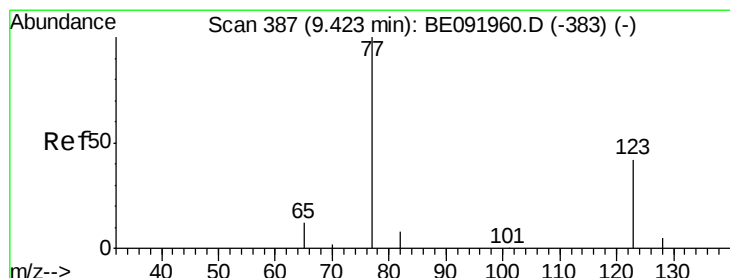
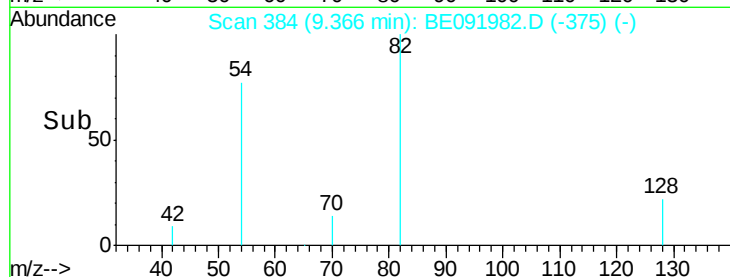
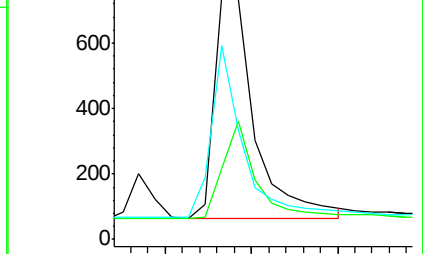
54 79.4 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.36 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

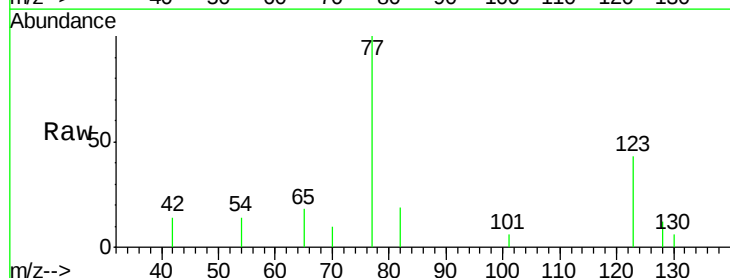
Tgt Ion: 77 Resp: 2352

Ion Ratio Lower Upper

77 100

123 37.8 0.0 0.0#

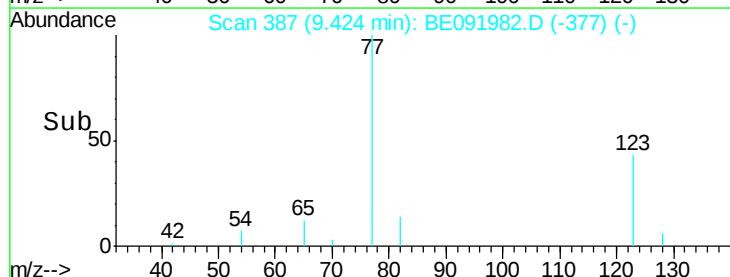
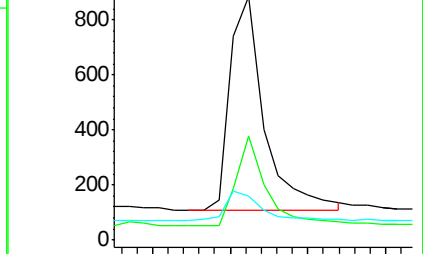
65 14.8 11.1 16.7

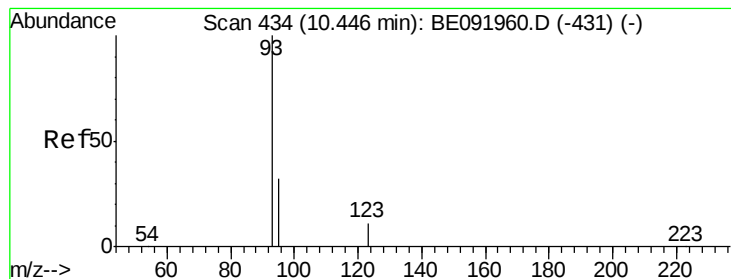


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.44 ng

RT: 10.44 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

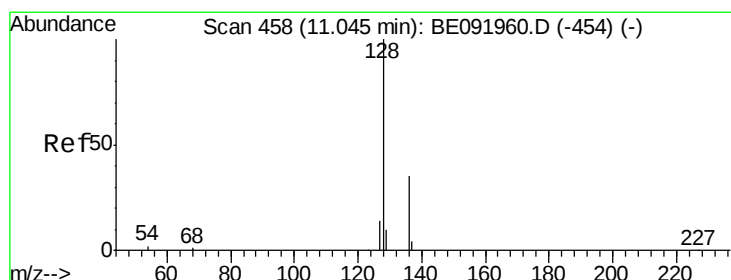
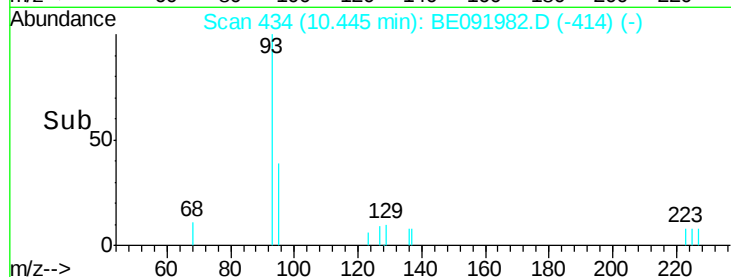
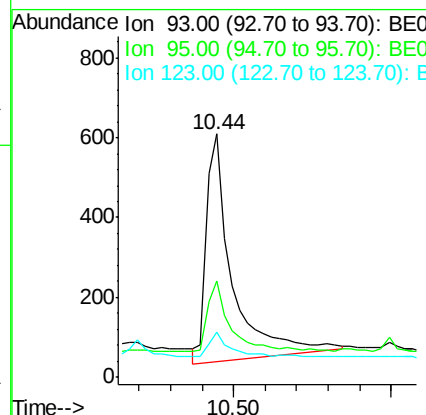
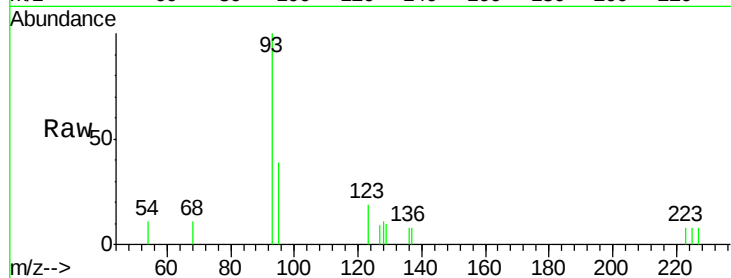
Tgt Ion: 93 Resp: 3282

Ion Ratio Lower Upper

93 100

95 26.8 57.6 86.4#

123 8.1 100.2 150.4#



#12

Naphthalene

Concen: 0.41 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

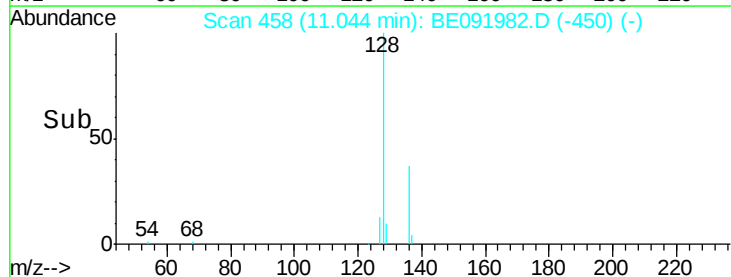
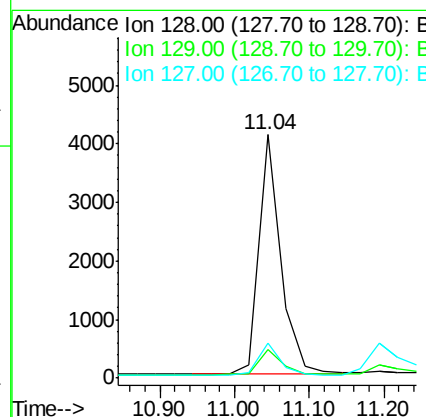
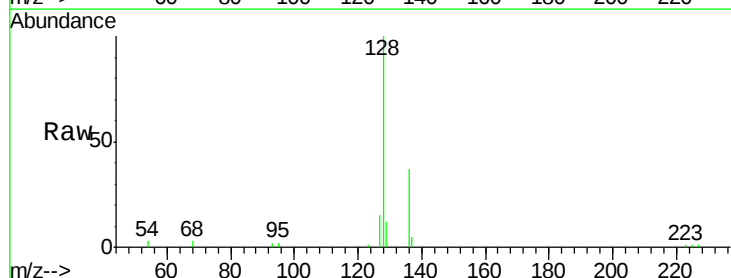
Tgt Ion: 128 Resp: 8396

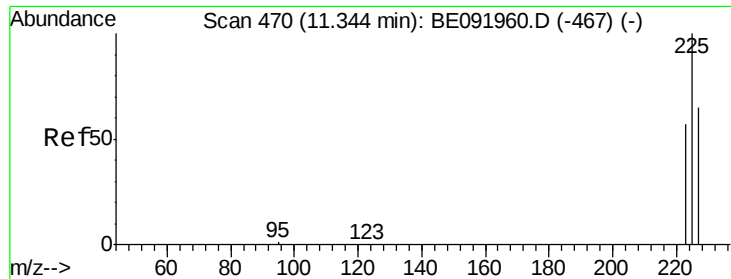
Ion Ratio Lower Upper

128 100

129 11.5 10.4 15.6

127 14.5 10.2 15.2

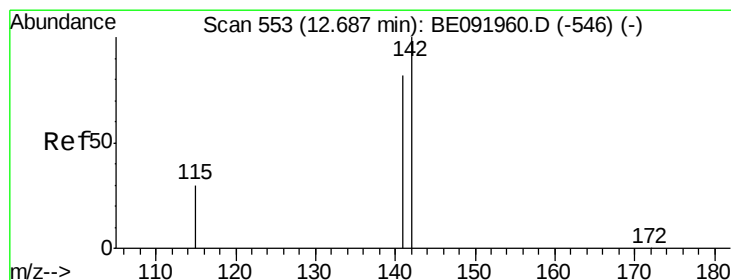
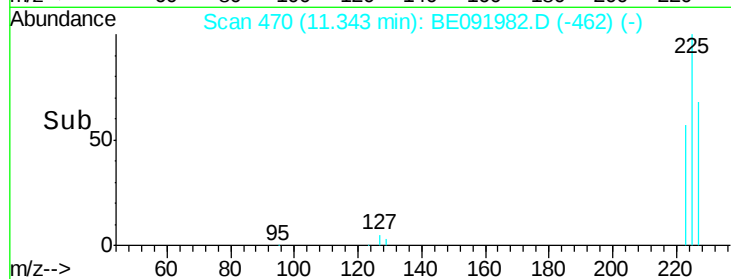
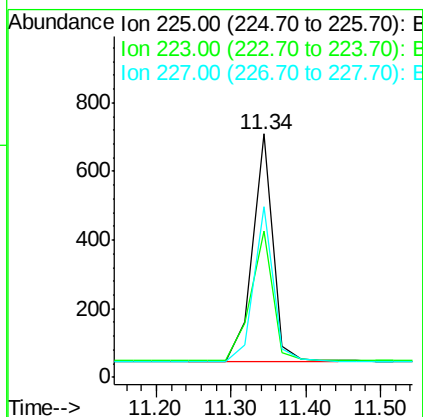
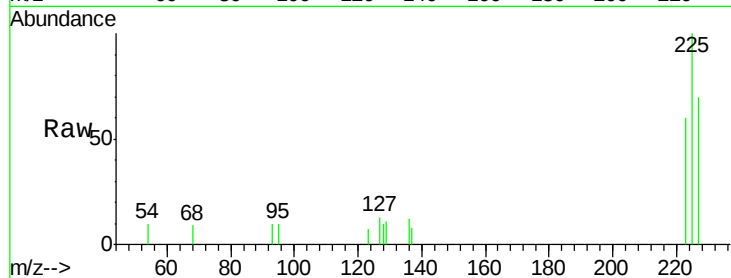




#13
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

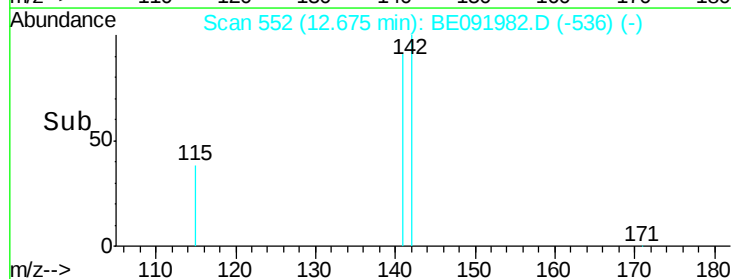
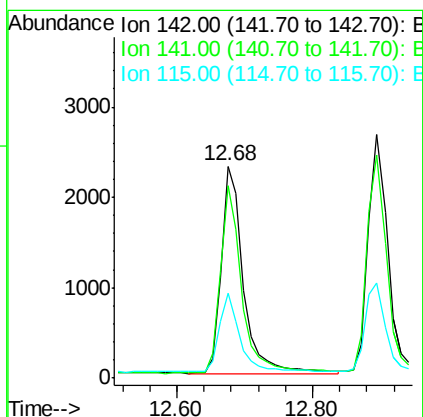
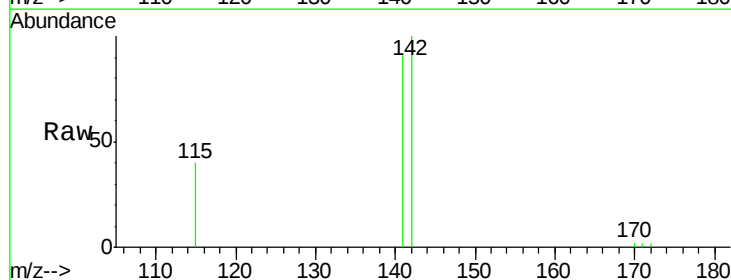
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

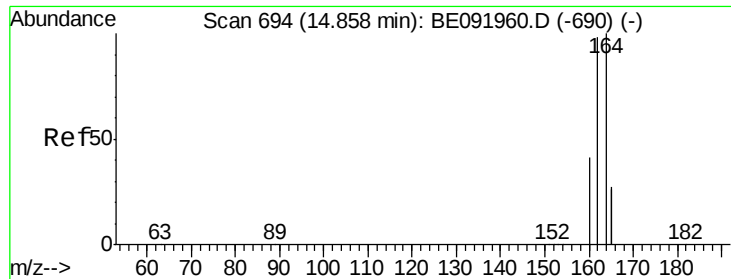
Tgt Ion: 225 Resp: 1264
Ion Ratio Lower Upper
225 100
223 60.8 49.8 74.8
227 65.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

Tgt Ion: 142 Resp: 5239
Ion Ratio Lower Upper
142 100
141 90.8 71.9 107.9
115 40.1 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: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

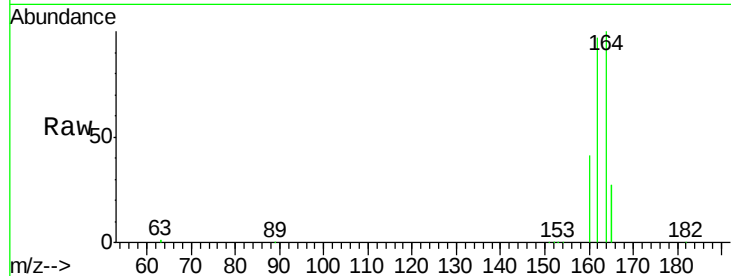
Tgt Ion:164 Resp: 64081

Ion Ratio Lower Upper

164 100

162 97.2 71.8 107.8

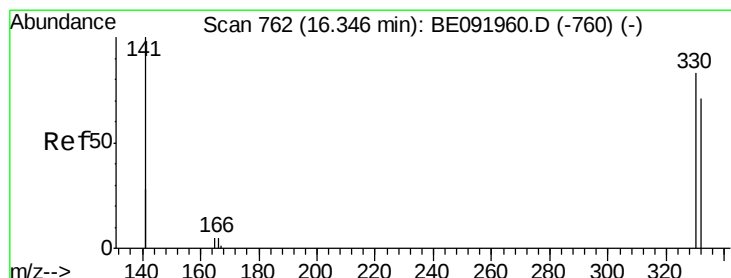
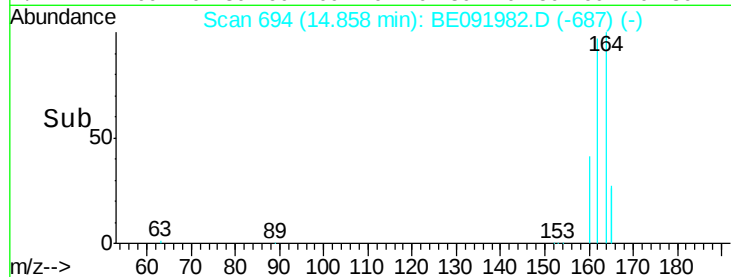
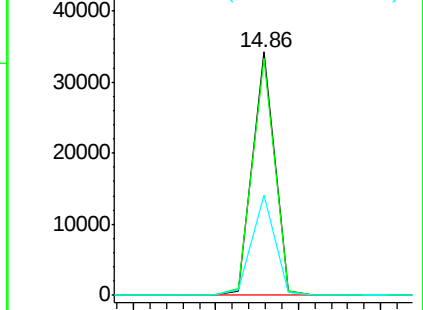
160 41.4 28.0 42.0



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: BE091982.D

Acq: 6 Jul 2016 4:06

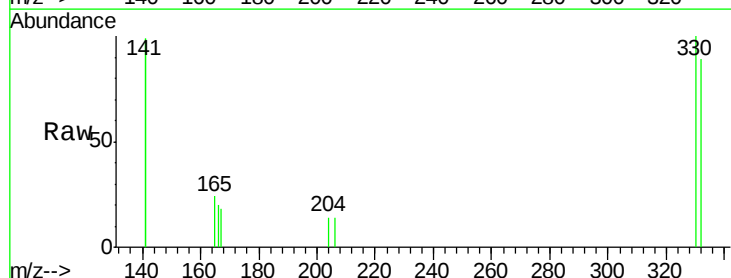
Tgt Ion:330 Resp: 621

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

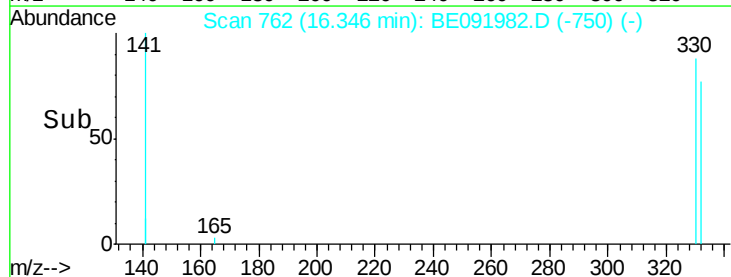
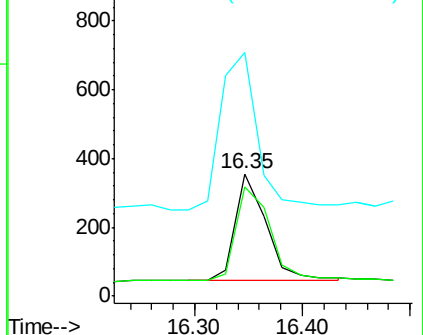
141 174.9 138.4 207.6

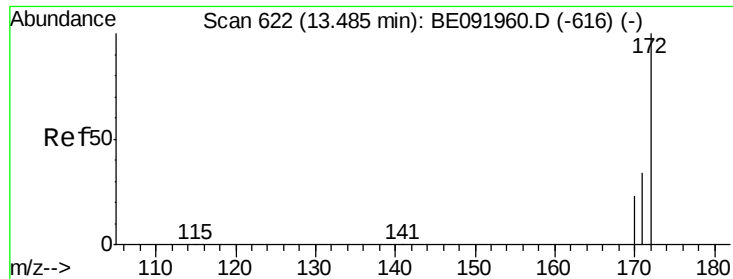


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

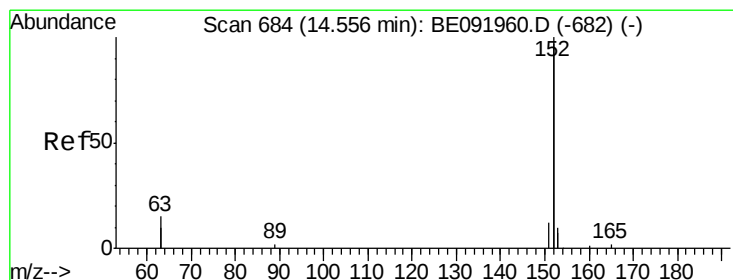
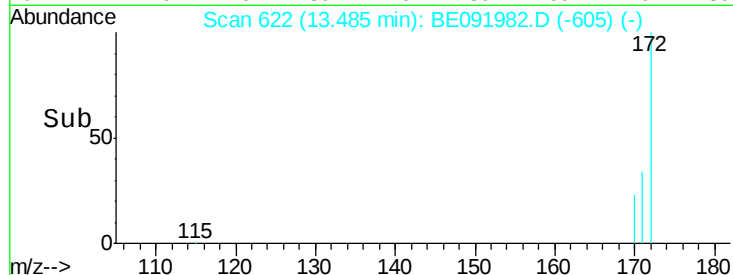
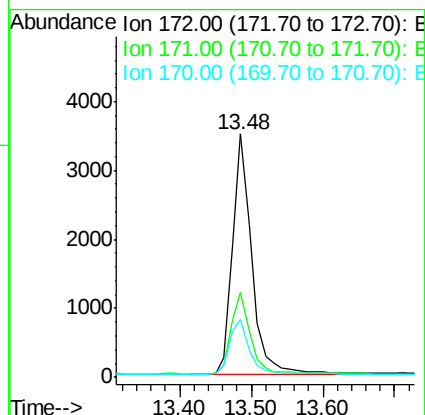
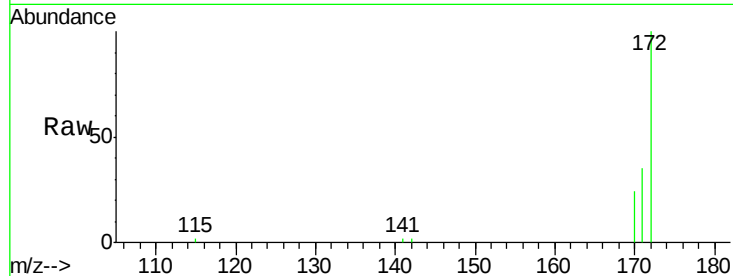




#17
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.48 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

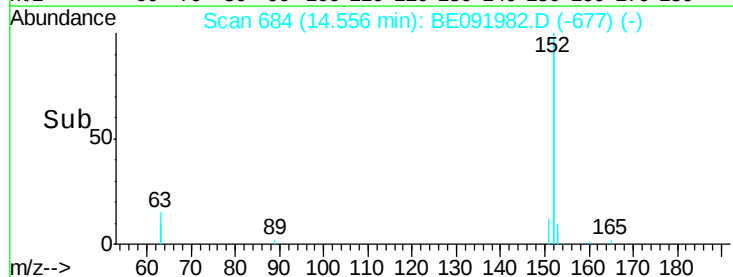
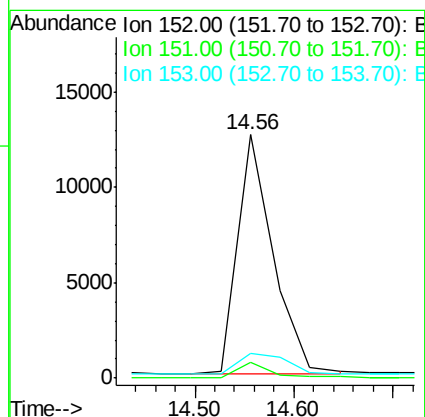
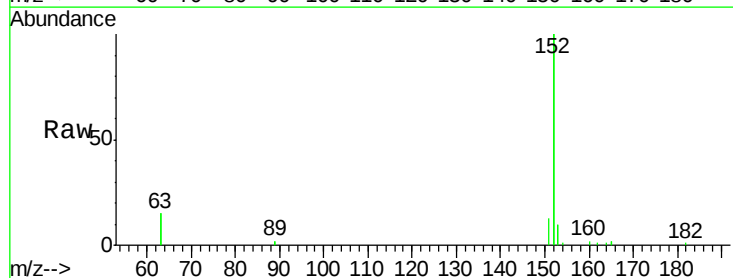
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

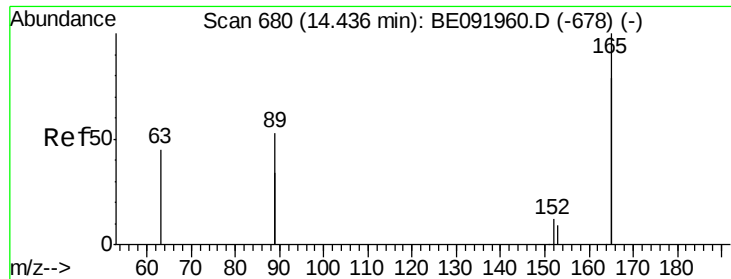
Tgt Ion:172 Resp: 6424
Ion Ratio Lower Upper
172 100
171 34.6 24.3 36.5
170 23.7 14.9 22.3#



#18
Acenaphthylene
Concen: 0.39 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

Tgt Ion:152 Resp: 31654
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 11.8 14.4 21.6#

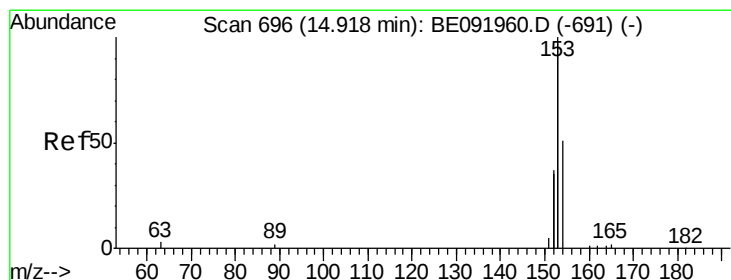
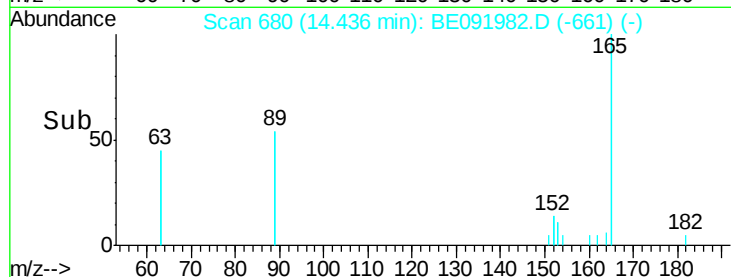
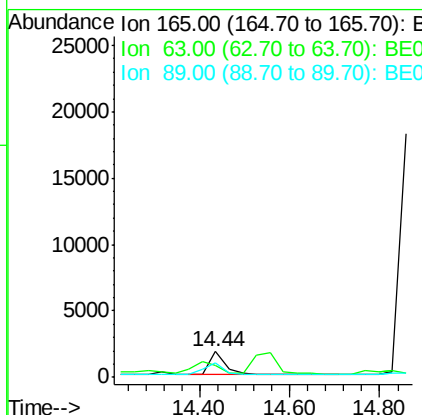
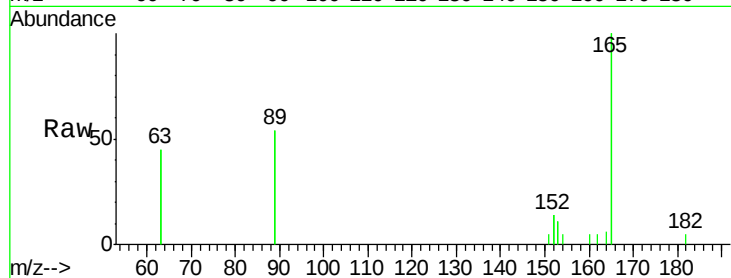




#19
2,6-Dinitrotoluene
Concen: 0.33 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

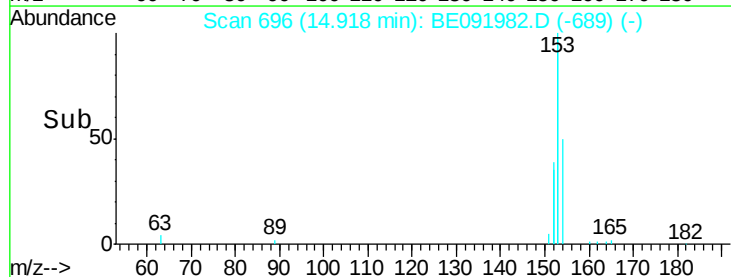
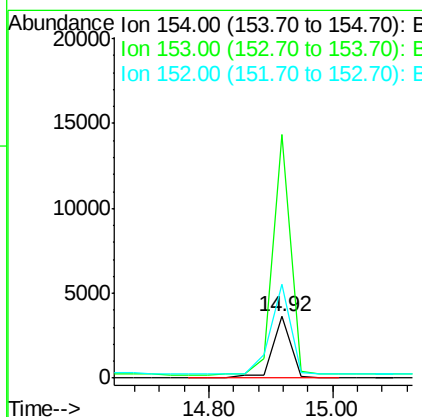
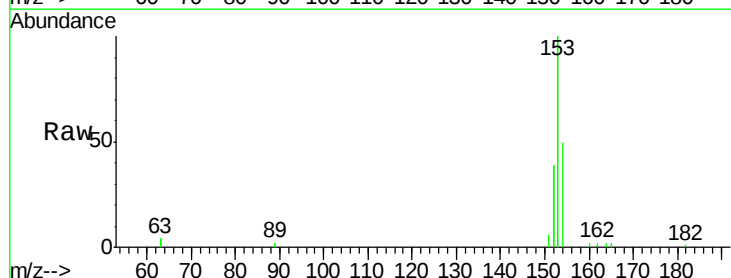
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

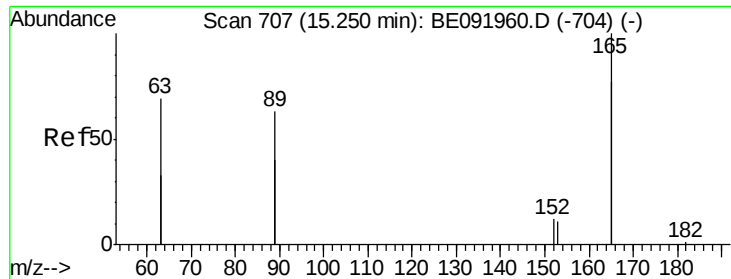
Tgt Ion:165 Resp: 3904
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 62.4 59.1 88.7



#20
Acenaphthene
Concen: 0.40 ng
RT: 14.92 min Scan# 696
Delta R.T. -0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

Tgt Ion:154 Resp: 6967
Ion Ratio Lower Upper
154 100
153 401.1 88.1 132.1#
152 171.0 44.2 66.2#

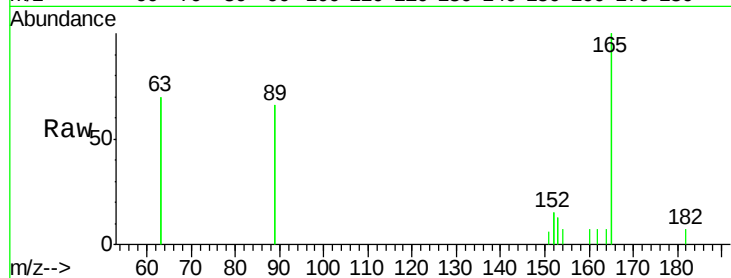




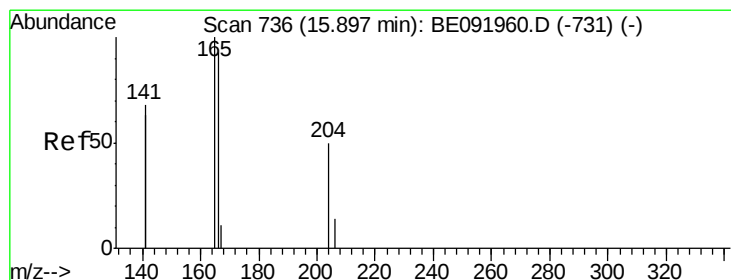
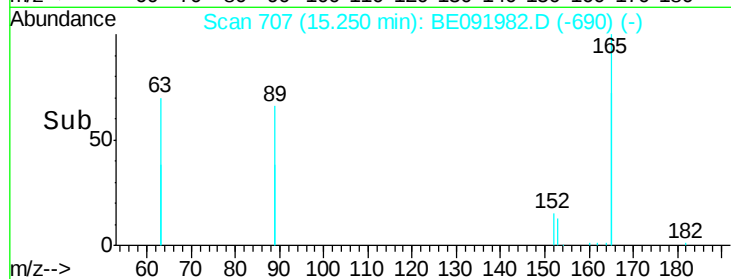
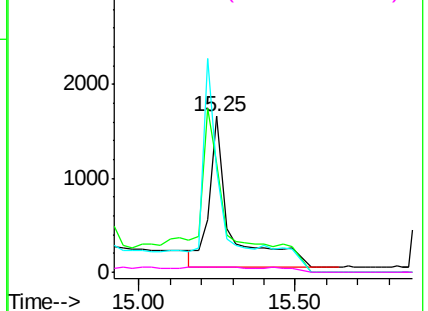
#21
2,4-Dinitrotoluene
Concen: 0.54 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 6954
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

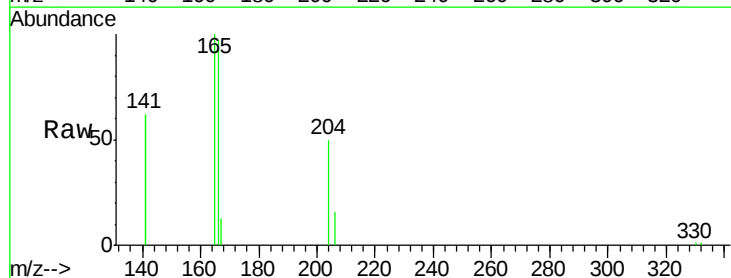


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

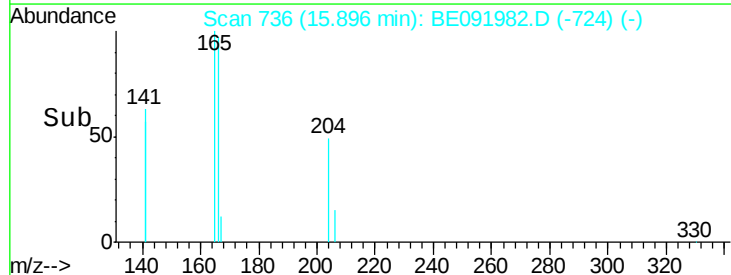
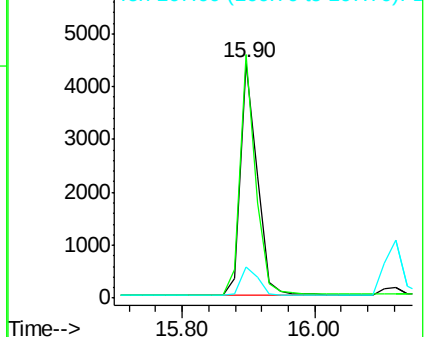


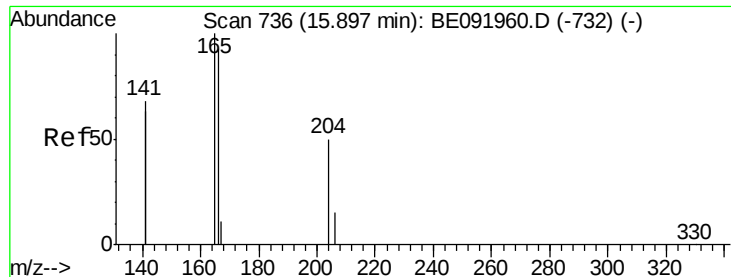
#22
Fluorene
Concen: 0.42 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

Tgt Ion:166 Resp: 7712
Ion Ratio Lower Upper
166 100
165 96.4 78.6 117.8
167 13.4 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

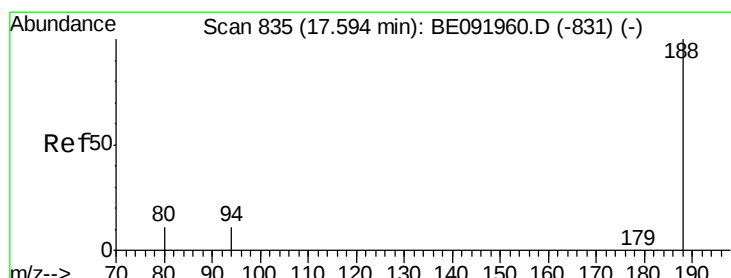
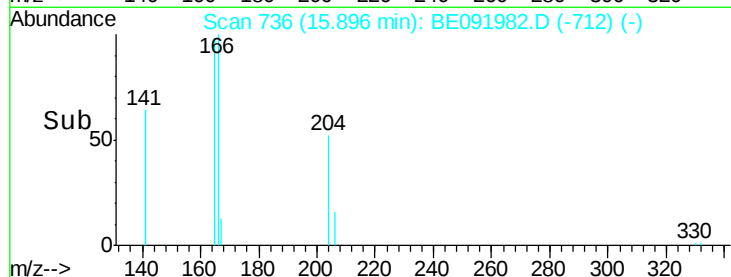
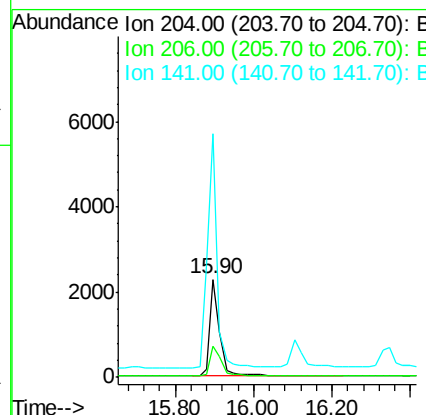
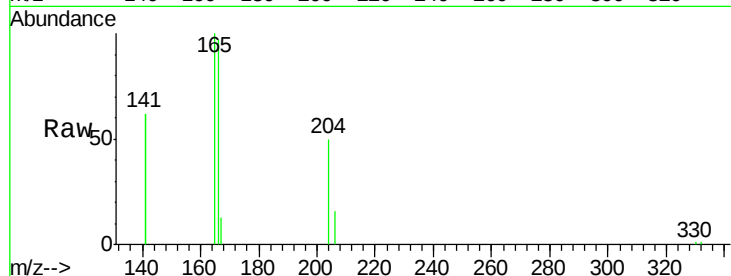




#23
4-Chlorophenyl-phenylether
Concen: 0.41 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

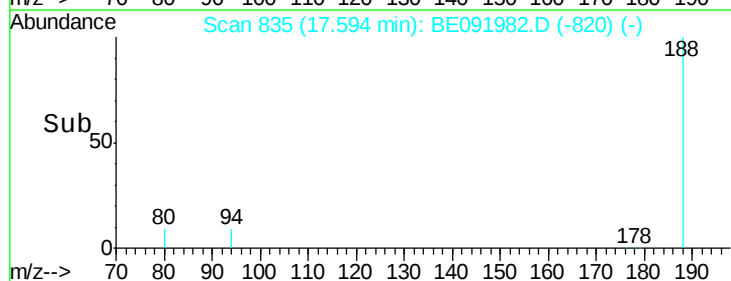
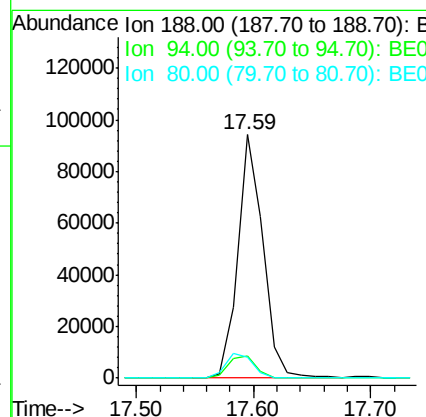
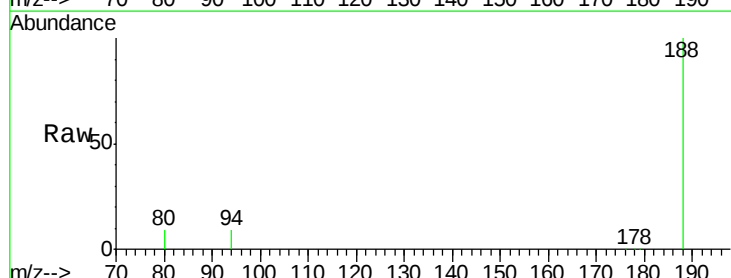
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

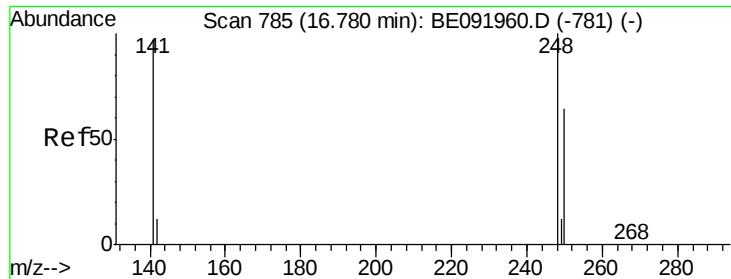
Tgt Ion: 204 Resp: 3818
Ion Ratio Lower Upper
204 100
206 33.7 27.8 41.6
141 250.4 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE091982.D
Acq: 6 Jul 2016 4:06

Tgt Ion: 188 Resp: 140019
Ion Ratio Lower Upper
188 100
94 9.2 4.1 6.1#
80 8.7 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.39 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

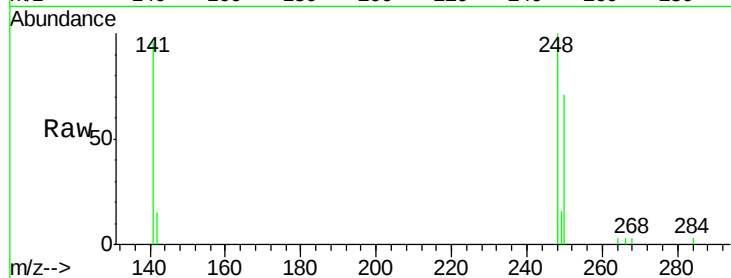
Tgt Ion:248 Resp: 2350

Ion Ratio Lower Upper

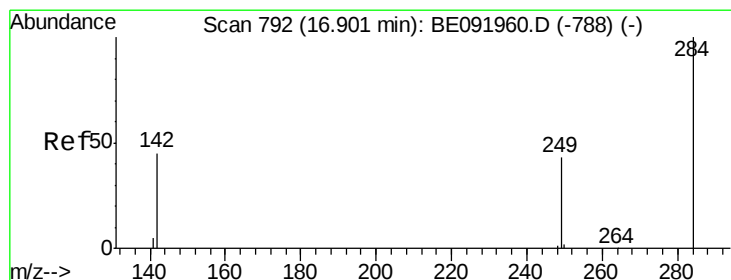
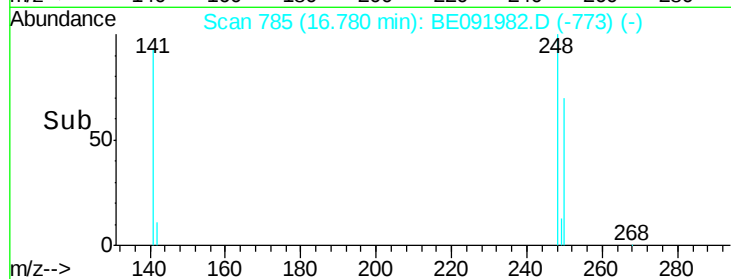
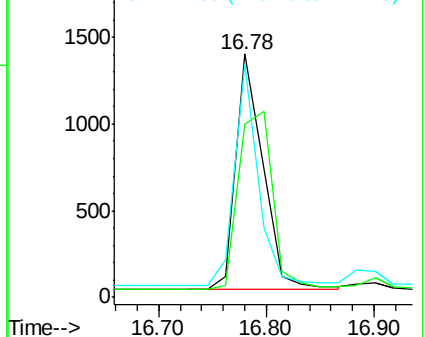
248 100

250 96.1 75.7 113.5

141 82.9 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: 0.40 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

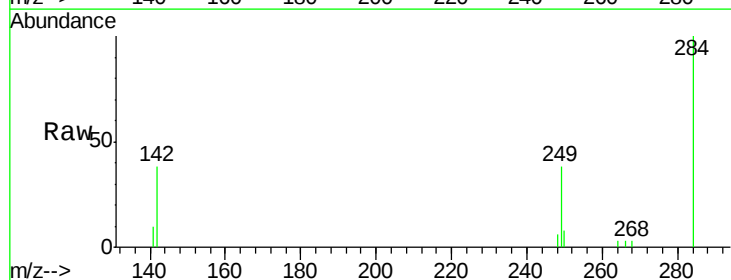
Tgt Ion:284 Resp: 2435

Ion Ratio Lower Upper

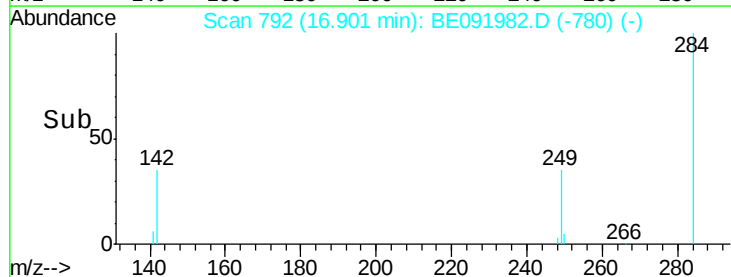
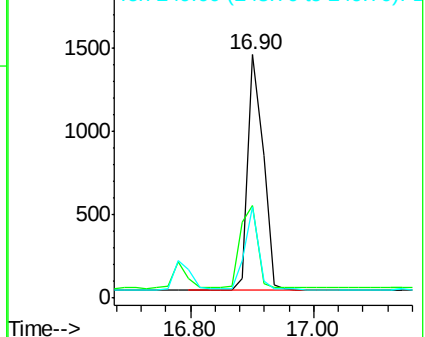
284 100

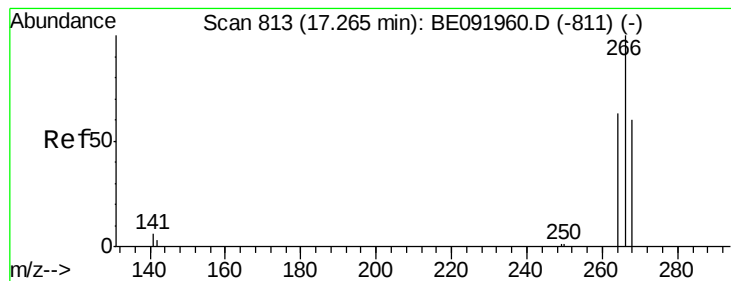
142 39.7 31.4 47.2

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: 0.39 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

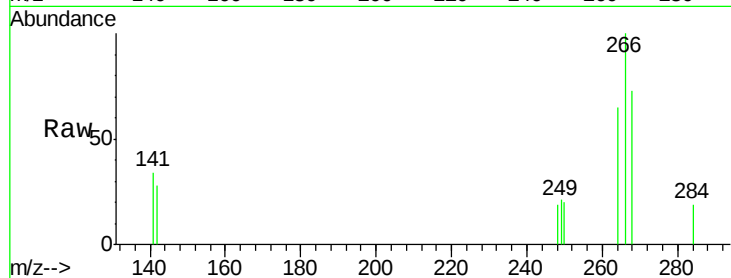
Tgt Ion:266 Resp: 589

Ion Ratio Lower Upper

266 100

268 73.4 60.5 90.7

264 64.7 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

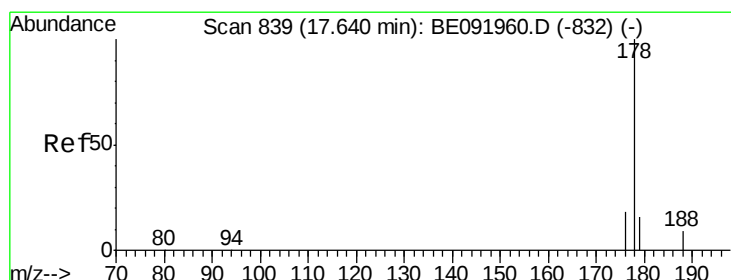
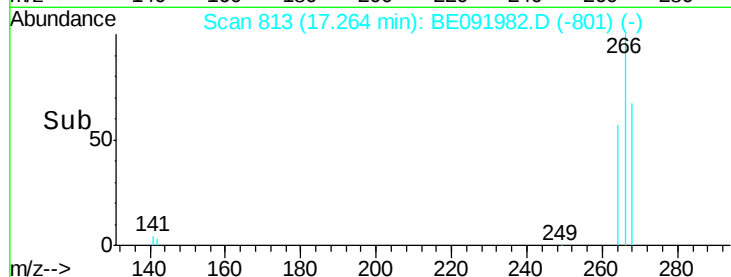
17.26

200

100

0

Time--> 17.10 17.20 17.30 17.40



#28

Phenanthrene

Concen: 0.41 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

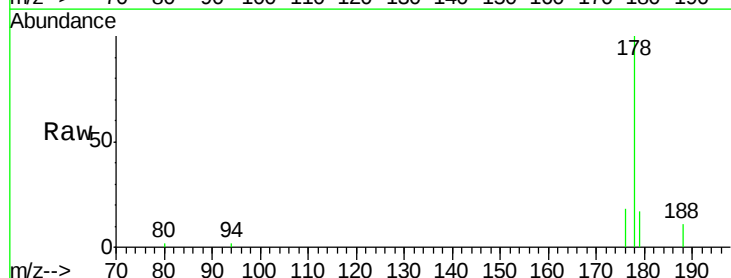
Tgt Ion:178 Resp: 14840

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.1 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

17.64

12000

10000

8000

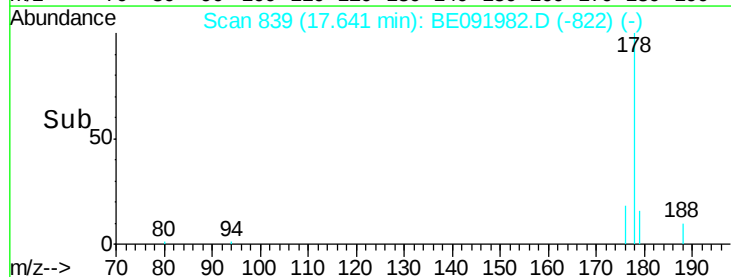
6000

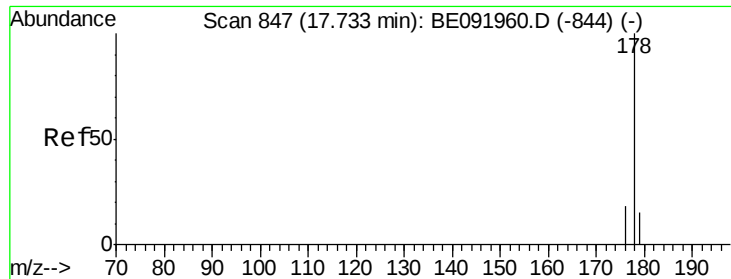
4000

2000

0

Time--> 17.50 17.60 17.70





#29

Anthracene

Concen: 0.39 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

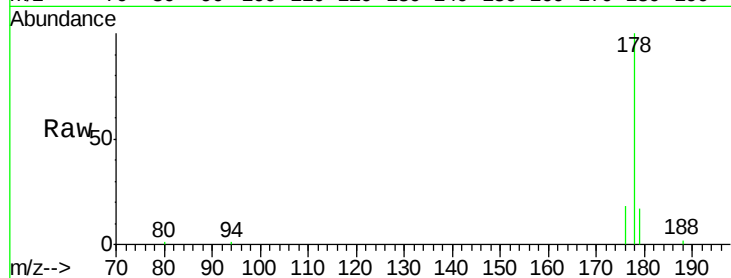
Tgt Ion:178 Resp: 13244

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

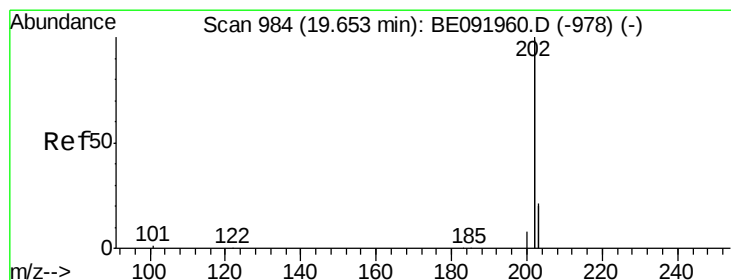
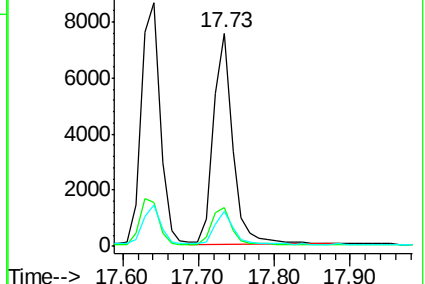
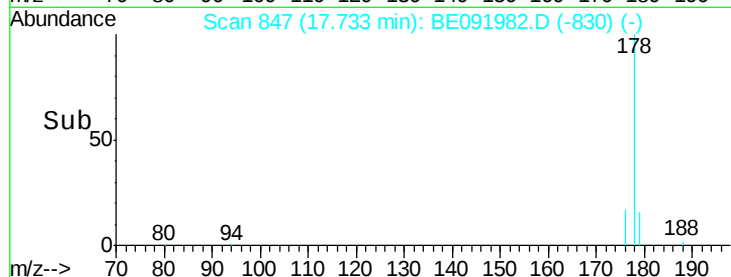
179 15.2 12.1 18.1



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: 0.40 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

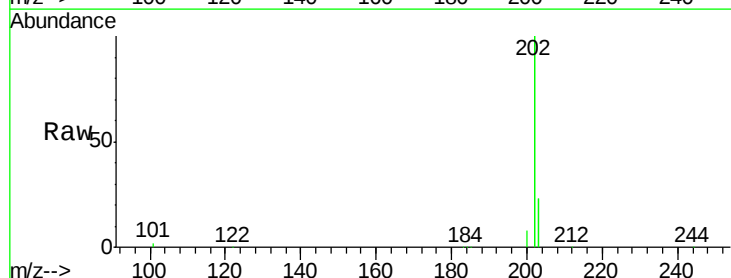
Tgt Ion:202 Resp: 63079

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

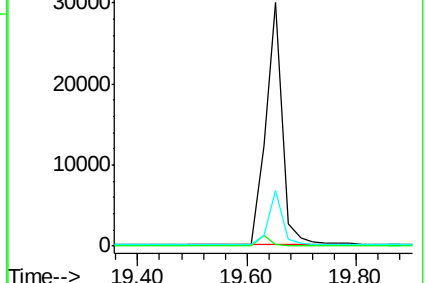
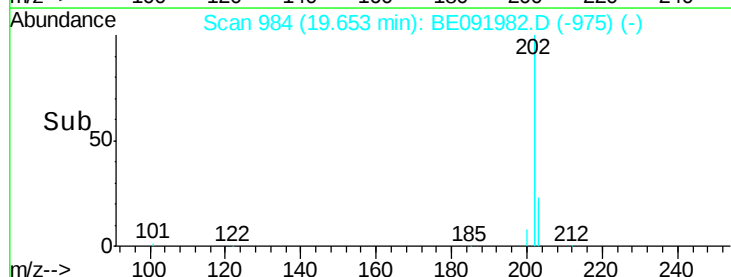
203 18.5 14.3 21.5

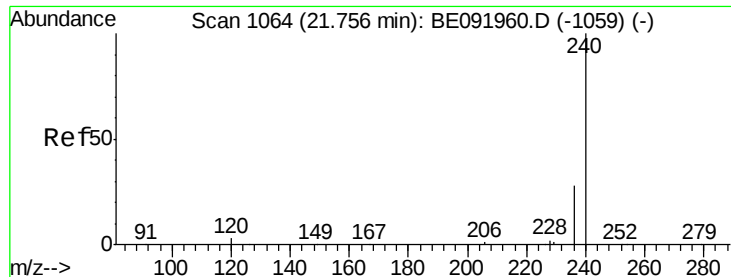


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

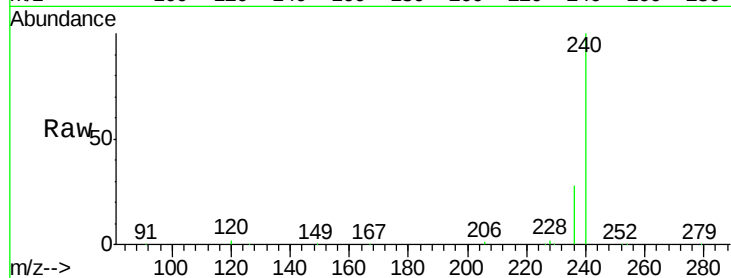
Tgt Ion:240 Resp: 248517

Ion Ratio Lower Upper

240 100

120 2.0 1.2 1.8#

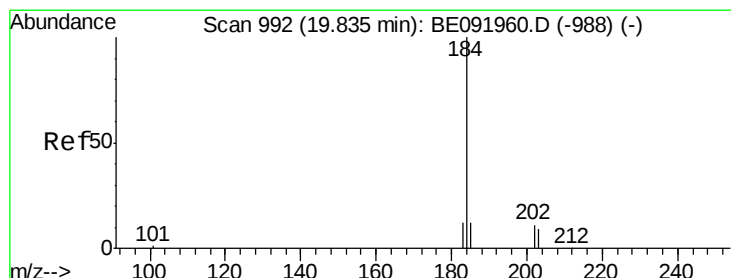
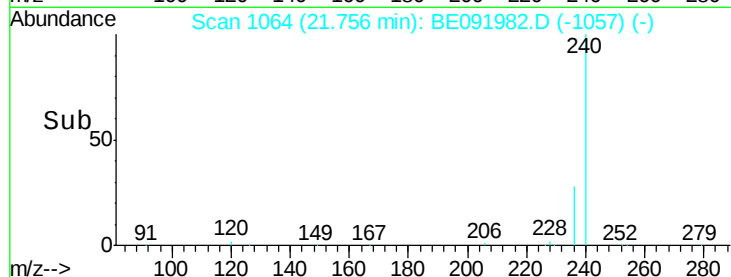
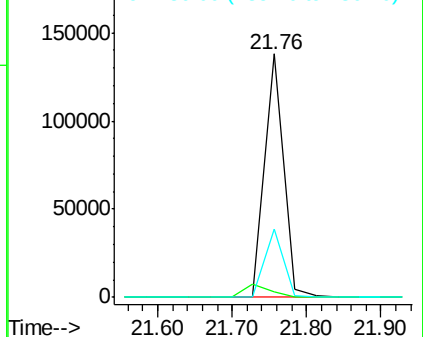
236 27.8 19.8 29.8



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: 0.38 ng

RT: 19.84 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

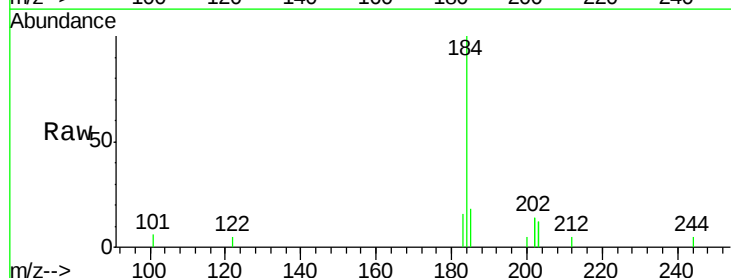
Tgt Ion:184 Resp: 3329

Ion Ratio Lower Upper

184 100

185 17.5 11.4 17.2#

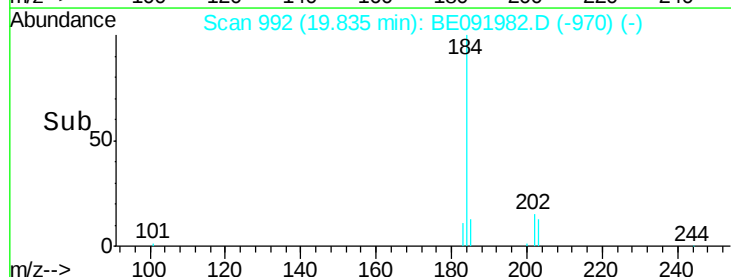
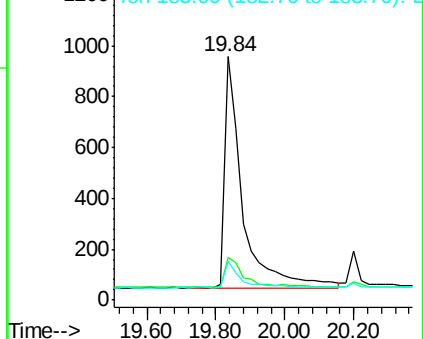
183 15.7 11.8 17.6

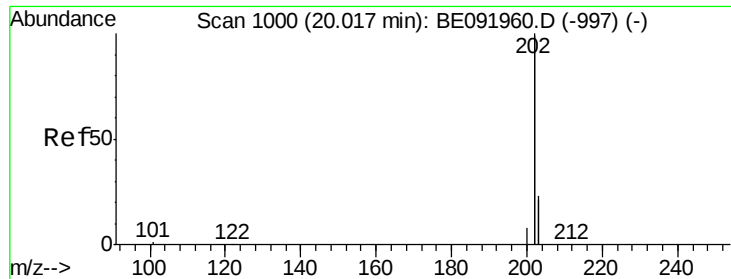


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

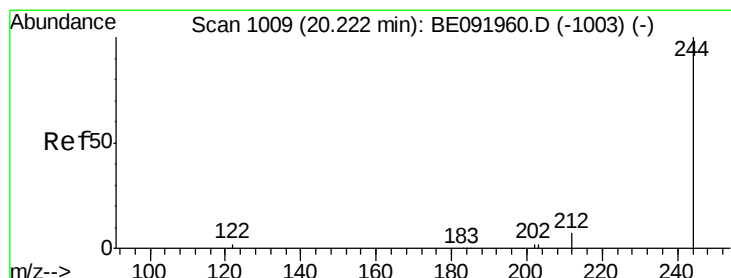
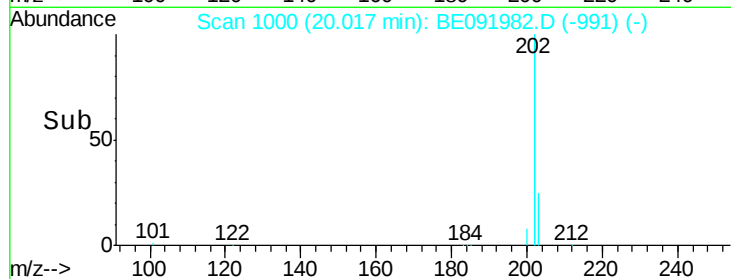
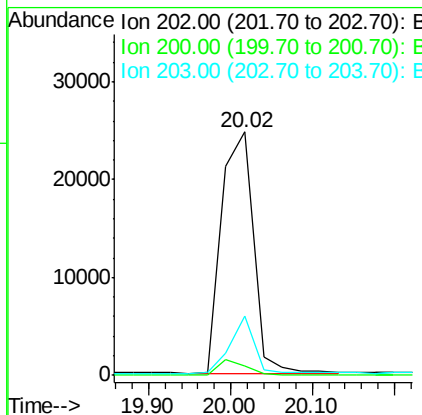
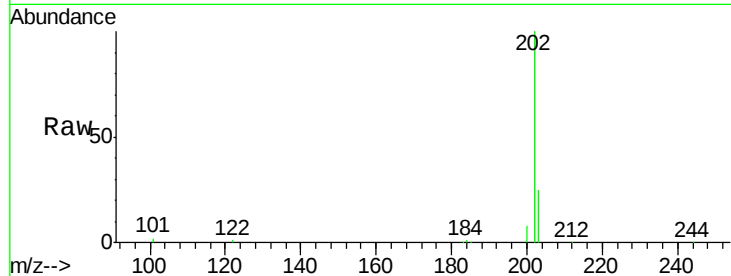




#33
 Pyrene
 Concen: 0.37 ng
 RT: 20.02 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: BE091982.D
 Acq: 6 Jul 2016 4:06

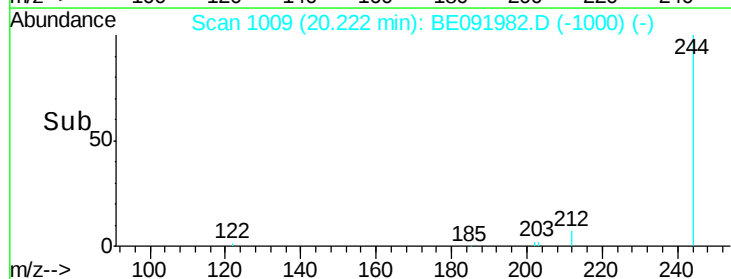
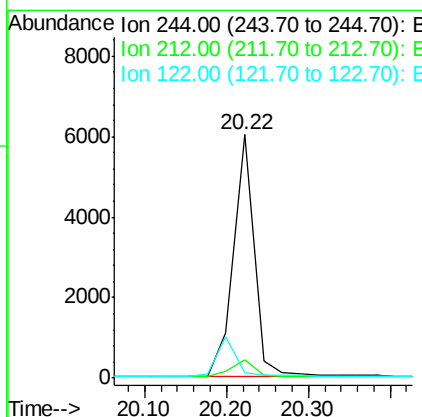
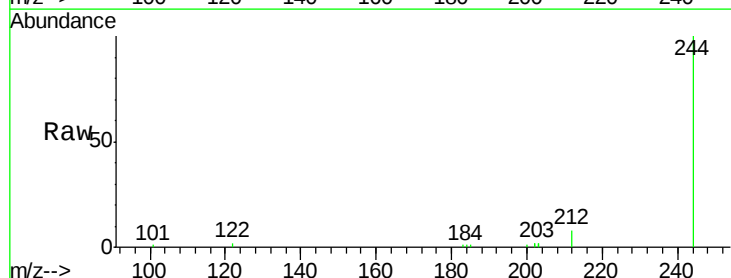
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

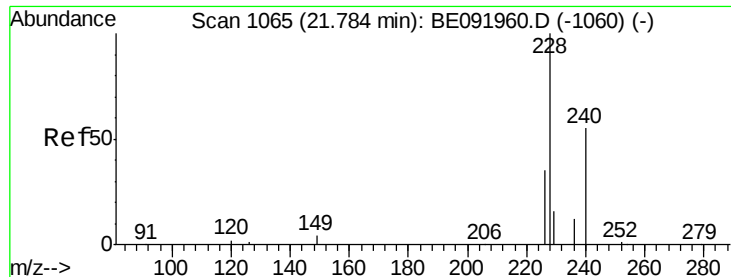
Tgt Ion: 202 Resp: 66282
 Ion Ratio Lower Upper
 202 100
 200 0.0 16.9 25.3#
 203 17.6 14.1 21.1



#34
 Terphenyl-d14
 Concen: 0.36 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BE091982.D
 Acq: 6 Jul 2016 4:06

Tgt Ion: 244 Resp: 10453
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 2.0 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 1.09 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

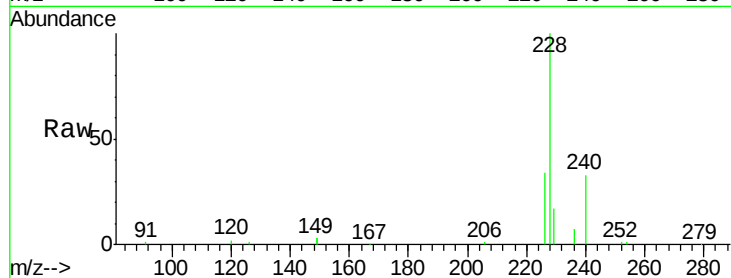
Tgt Ion:228 Resp: 45289

Ion Ratio Lower Upper

228 100

226 34.1 21.0 31.4#

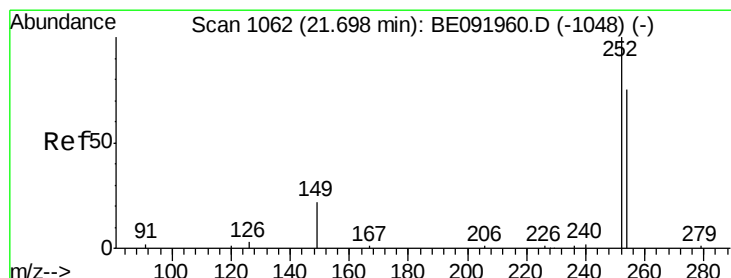
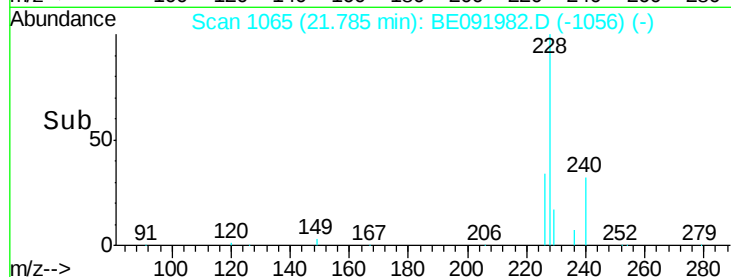
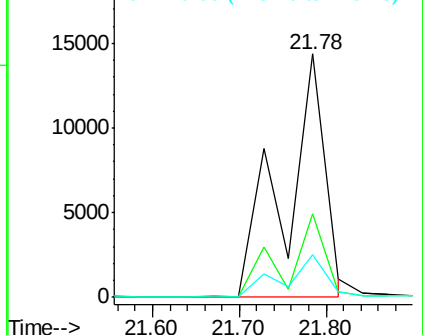
229 17.3 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.28 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

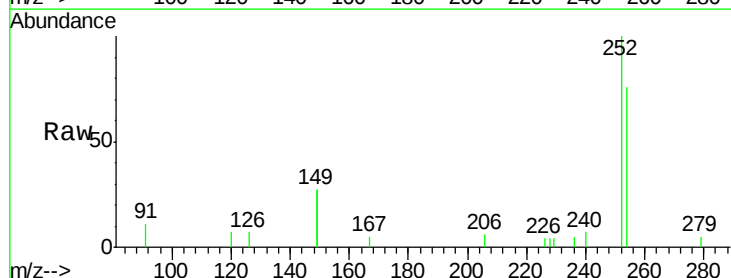
Tgt Ion:252 Resp: 3694

Ion Ratio Lower Upper

252 100

254 76.2 61.5 92.3

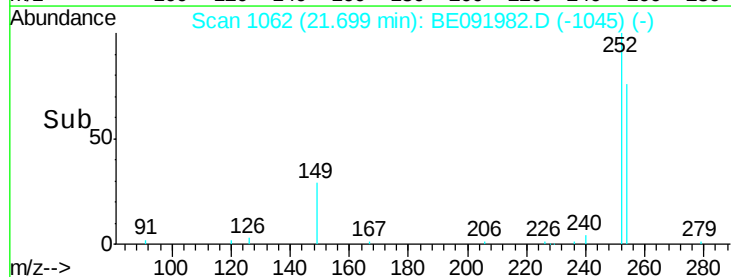
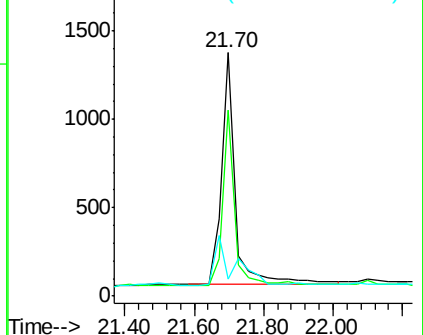
126 6.8 2.5 3.7#

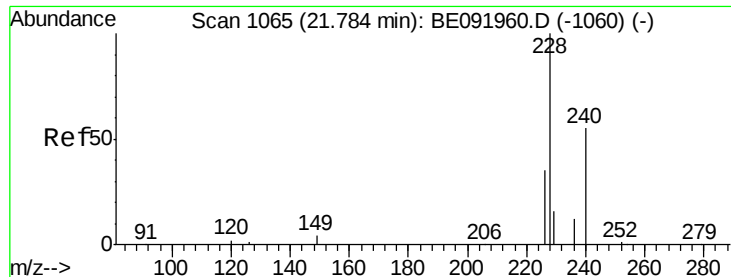


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.78 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

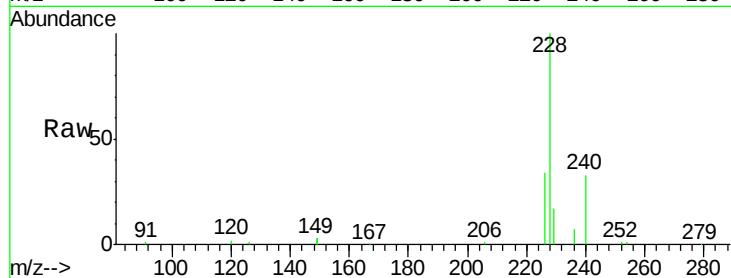
Tgt Ion:228 Resp: 45843

Ion Ratio Lower Upper

228 100

226 34.1 27.0 40.6

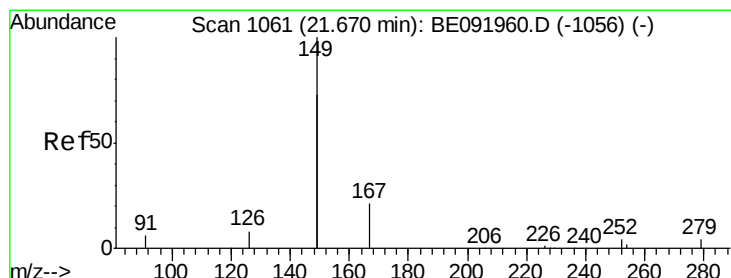
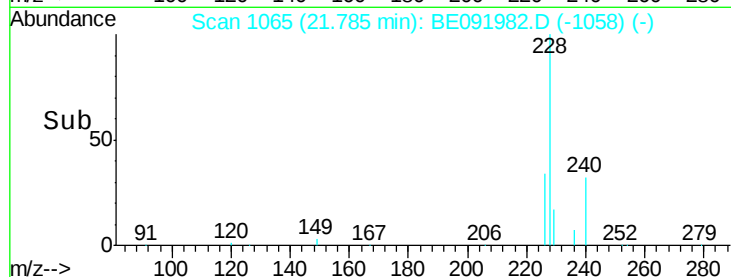
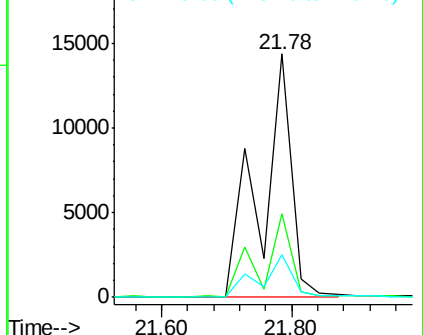
229 17.3 13.8 20.8



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: 0.31 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

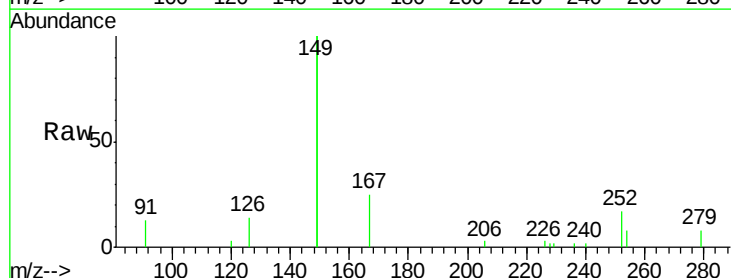
Tgt Ion:149 Resp: 15128

Ion Ratio Lower Upper

149 100

167 8.2 0.0 0.0#

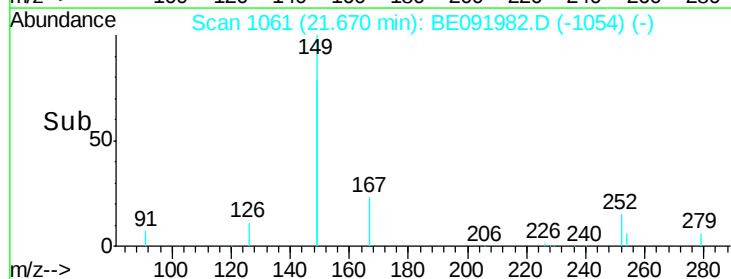
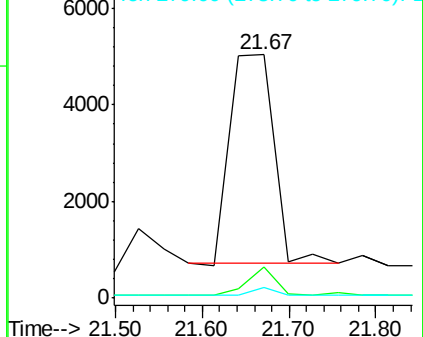
279 1.8 0.0 0.0#

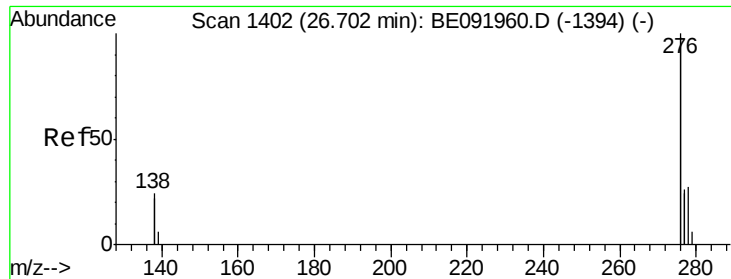


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

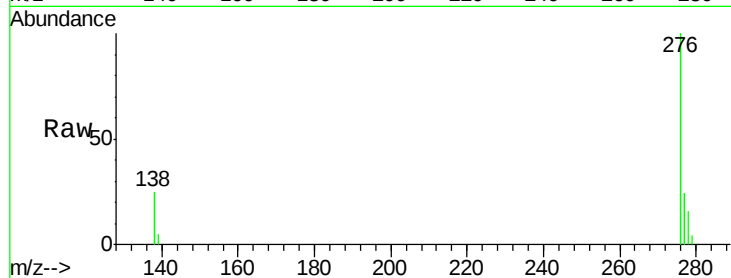




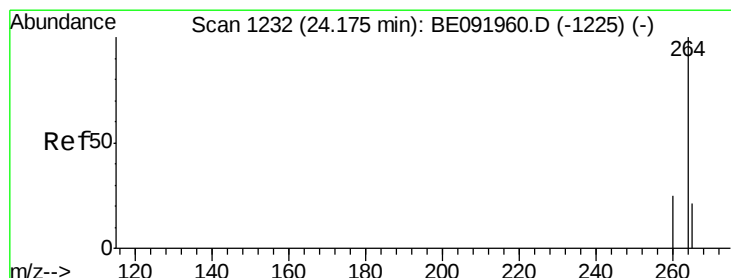
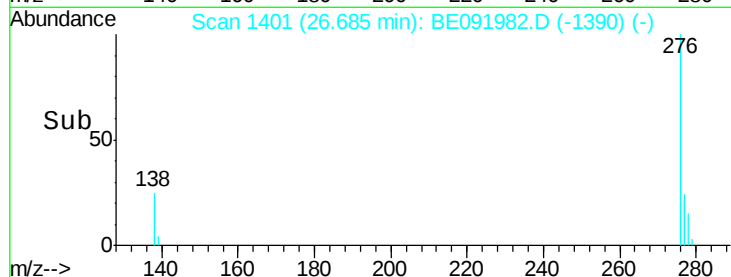
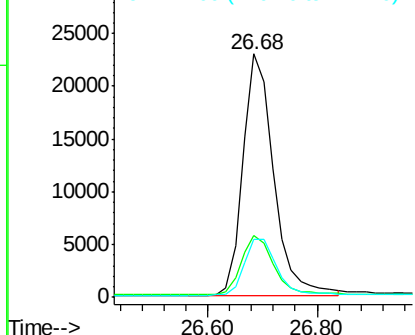
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BE091982.D
 Acq: 6 Jul 2016 4:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion: 276 Resp: 89021
 Ion Ratio Lower Upper
 276 100
 138 25.9 19.7 29.5
 277 24.6 20.1 30.1

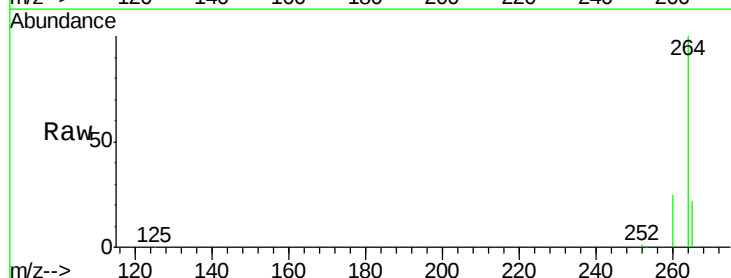


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

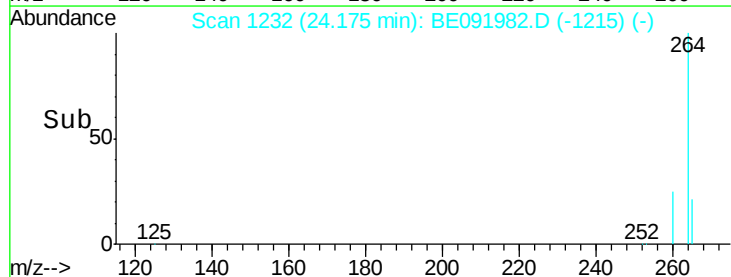
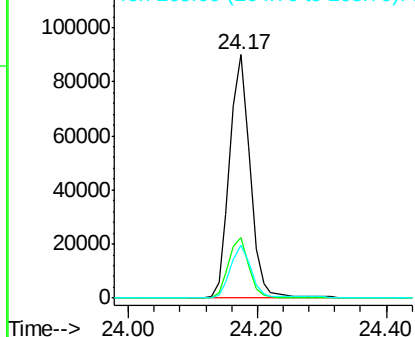


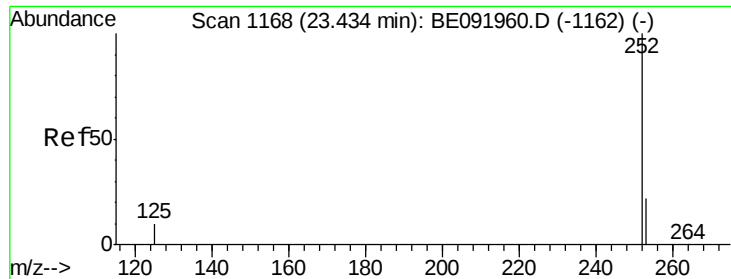
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091982.D
 Acq: 6 Jul 2016 4:06

Tgt Ion: 264 Resp: 198059
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.3 30.5
 265 21.7 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.40 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

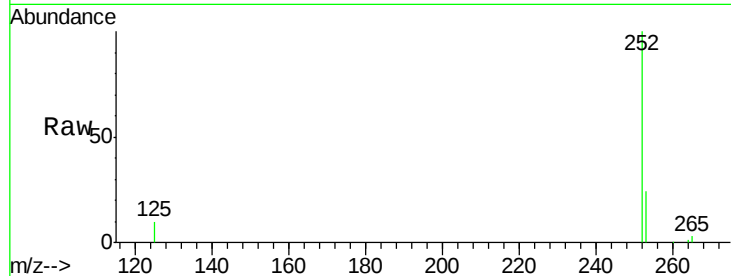
Tgt Ion:252 Resp: 21800

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

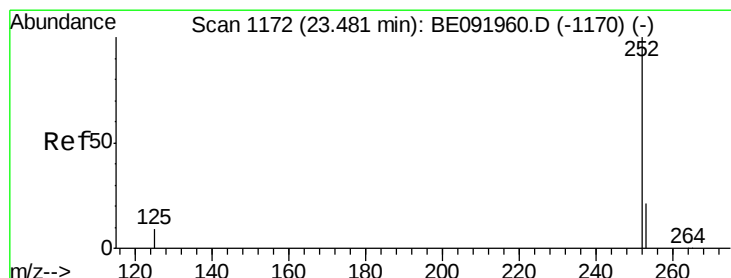
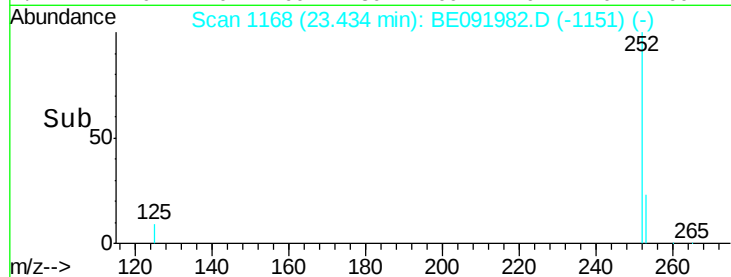
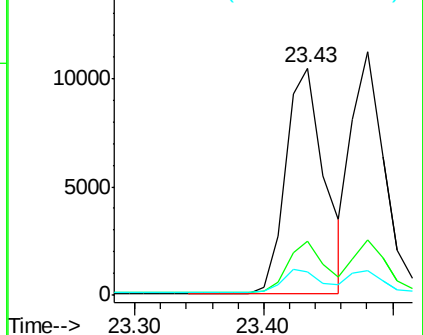
125 10.4 9.4 14.2



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: 0.38 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

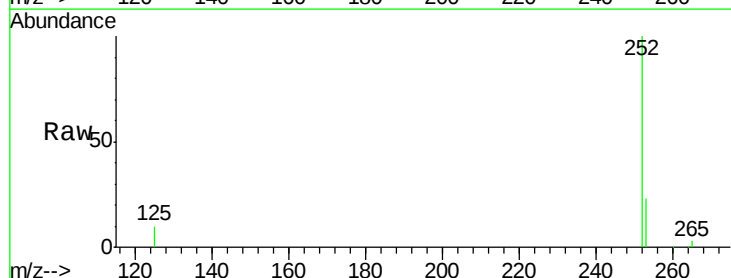
Tgt Ion:252 Resp: 20214

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.2

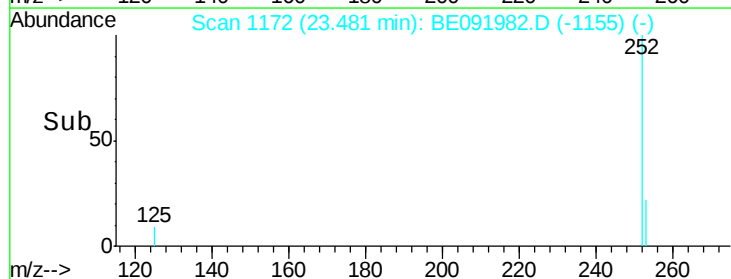
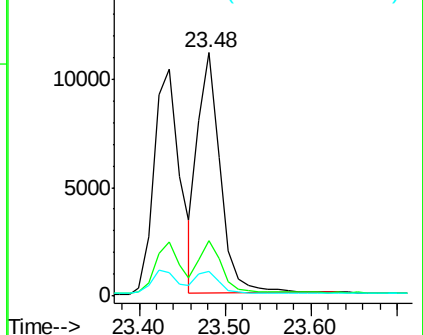
125 10.1 8.3 12.5

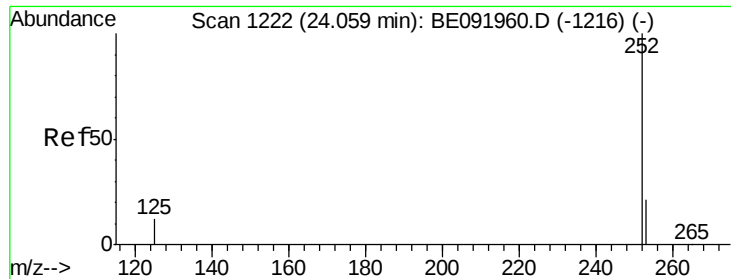


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.38 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

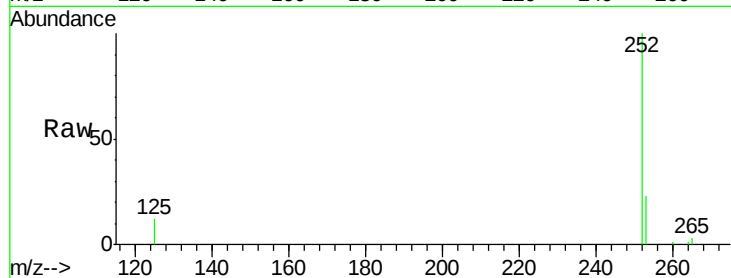
Tgt Ion:252 Resp: 19672

Ion Ratio Lower Upper

252 100

253 23.3 18.9 28.3

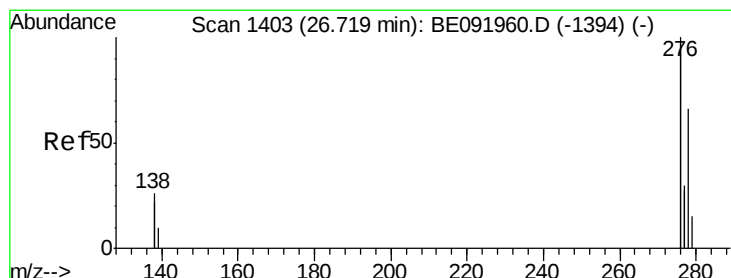
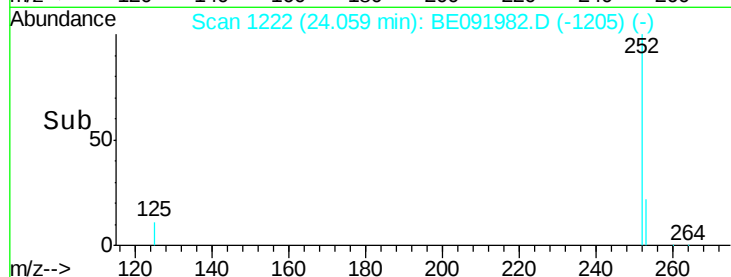
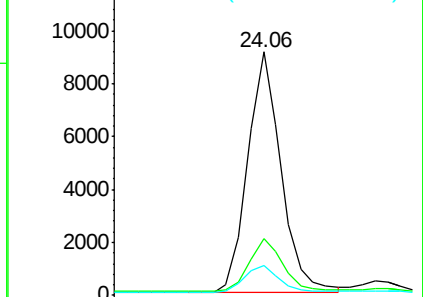
125 12.2 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091982.D

Acq: 6 Jul 2016 4:06

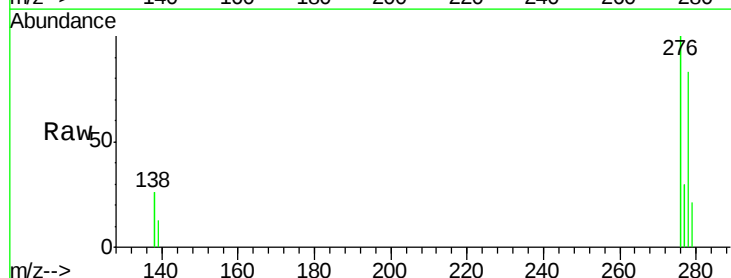
Tgt Ion:278 Resp: 18191

Ion Ratio Lower Upper

278 100

139 15.4 12.6 18.8

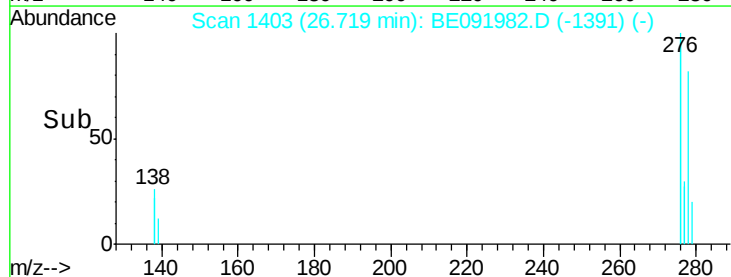
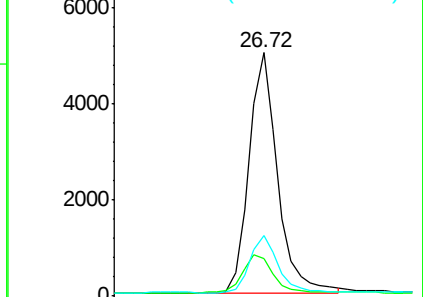
279 25.1 20.0 30.0

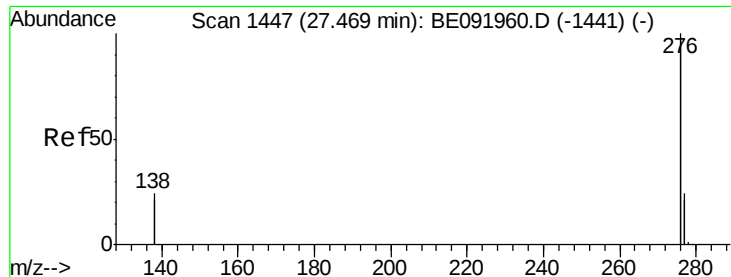


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.38 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091982.D

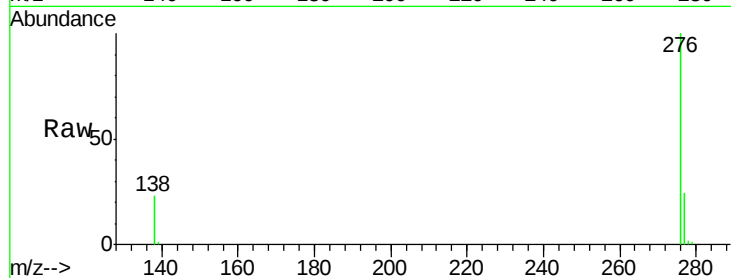
Acq: 6 Jul 2016 4:06

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



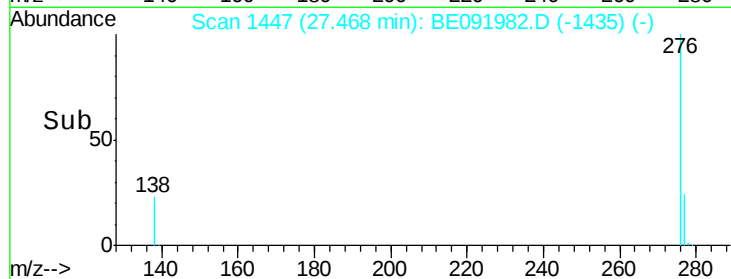
Tgt Ion: 276 Resp: 74464

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 22.7 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

