

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091962.D
 Acq On : 5 Jul 2016 11:23
 Operator : UM/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 12:36:05 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 12:29:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	23484	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	111278	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	88281	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	173940	5.00	ng	0.00
31) Chrysene-d12	21.76	240	278312	5.00	ng	0.00
40) Perylene-d12	24.17	264	211528	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	9177	2.00	ng	0.00
5) Phenol-d6	7.35	99	12874	2.16	ng	-0.02
9) Nitrobenzene-d5	9.37	82	12574	1.64	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	4159	2.31	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	33599	1.50	ng	0.00
34) Terphenyl-d14	20.22	244	52456	1.54	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	4827	1.46	ng	93
3) n-Nitrosodimethylamine	3.82	42	6063	1.61	ng	96
6) bis(2-Chloroethyl)ether	7.61	93	11310	1.68	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	10480	1.96	ng	# 98
10) Nitrobenzene	9.40	77	14016	1.83	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	14942	1.53	ng	# 20
12) Naphthalene	11.04	128	41629	1.71	ng	96
13) Hexachlorobutadiene	11.34	225	6267	1.59	ng	98
14) 2-Methylnaphthalene	12.68	142	26945	1.63	ng	91
18) Acenaphthylene	14.56	152	172620	1.93	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	33924	2.37	ng	# 10
20) Acenaphthene	14.92	154	36803	1.49	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	28944	2.16	ng	# 87
22) Fluorene	15.90	166	40206	1.64	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	19942	1.65	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	11995	1.78	ng	98
26) Hexachlorobenzene	16.90	284	11810	1.71	ng	99
27) Pentachlorophenol	17.25	266	3749	1.98	ng	# 83
28) Phenanthrene	17.64	178	70315	1.62	ng	100
29) Anthracene	17.73	178	67470	1.75	ng	100
30) Fluoranthene	19.65	202	296970	1.59	ng	# 85
32) Benzidine	19.83	184	28248	2.99	ng	# 94
33) Pyrene	20.02	202	313789	1.66	ng	# 74
35) Benzo(a)anthracene	21.78	228	174753	4.00	ng	# 89
36) 3,3'-Dichlorobenzidine	21.70	252	18833	2.66	ng	92
37) Chrysene	21.78	228	176592	2.76	ng	99
38) Bis(2-ethylhexyl)phthalate	21.67	149	78840	2.44	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	391918	1.79	ng	99
41) Benzo(b)fluoranthene	23.43	252	94036	1.73	ng	# 96
42) Benzo(k)fluoranthene	23.48	252	84053	1.69	ng	97
43) Benzo(a)pyrene	24.06	252	84055	1.77	ng	96
44) Dibenzo(a,h)anthracene	26.72	278	81393	1.76	ng	98
45) Benzo(a,h,i)perylene	27.47	276	328845	1.72	ng	98

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
Data File : BE091962.D
Acq On : 5 Jul 2016 11:23
Operator : UM/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 05 12:36:05 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 12:29:44 2016
Response via : Initial Calibration

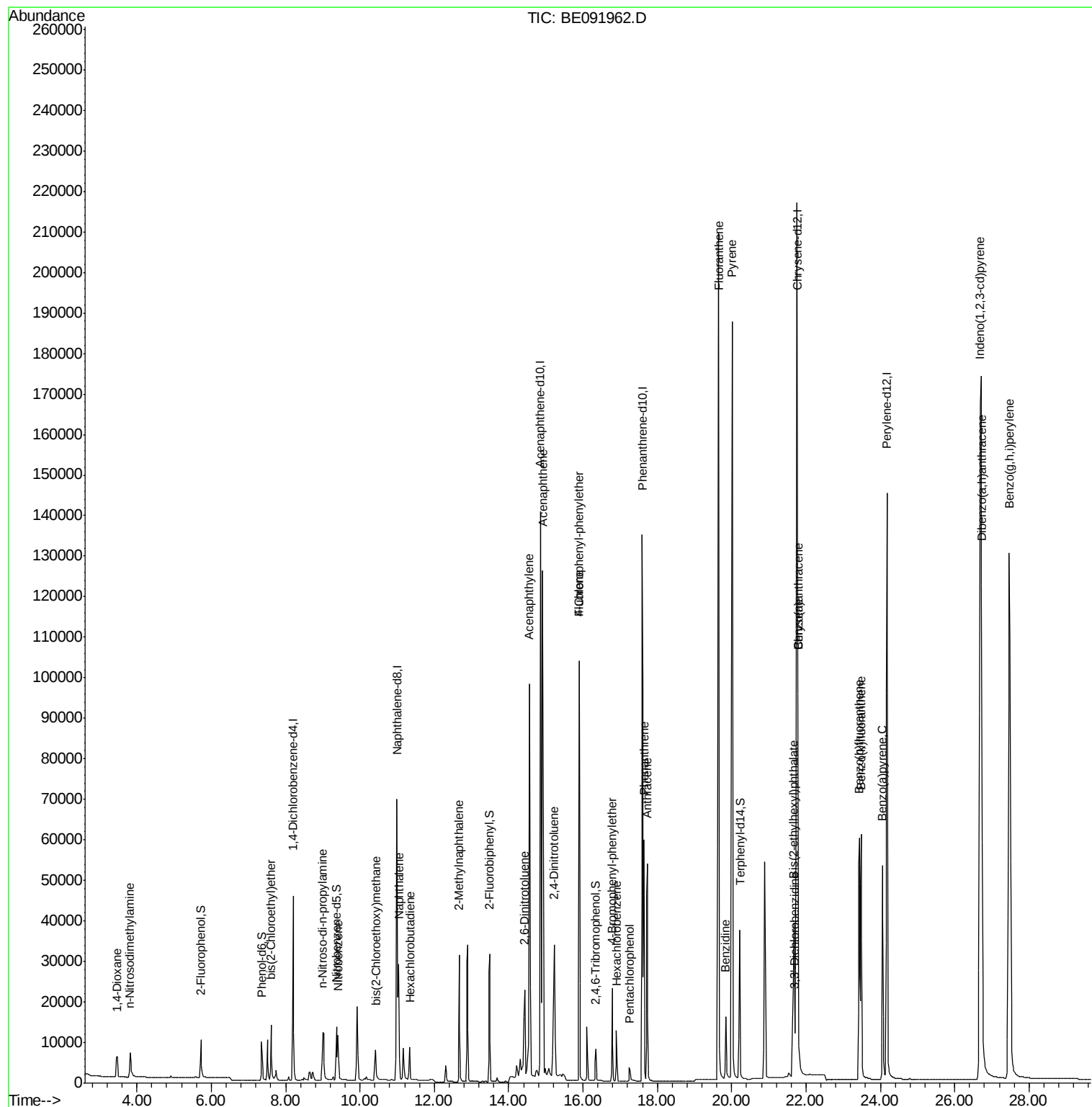
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

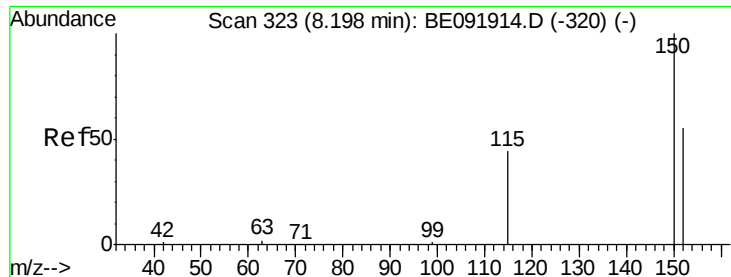
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
Data File : BE091962.D
Acq On : 5 Jul 2016 11:23
Operator : UM/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 05 12:36:05 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 12:29:44 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

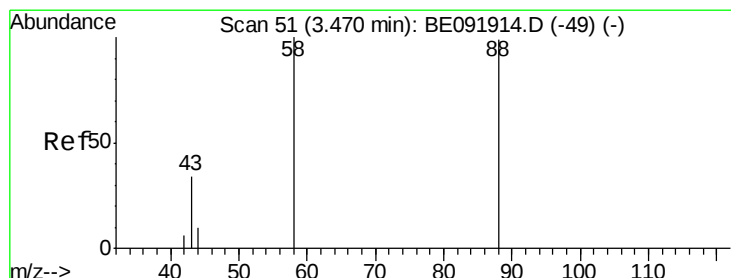
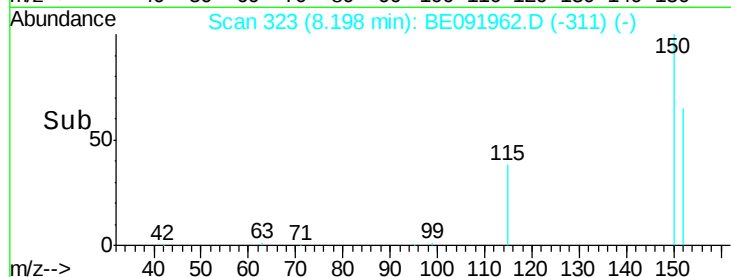
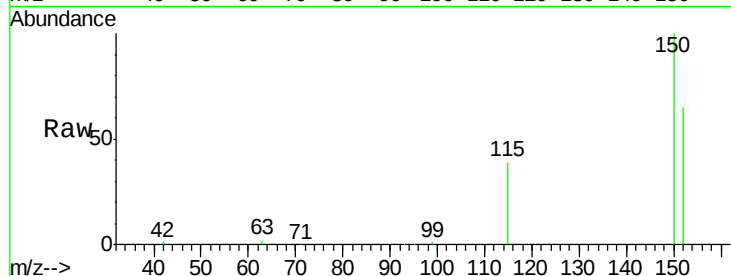
Tot Ion:152 Resp: 23484

Ion Ratio Lower Upper

152 100

150 153.7 123.9 185.9

115 59.5 48.3 72.5



#2

1,4-Dioxane

Concen: 1.46 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

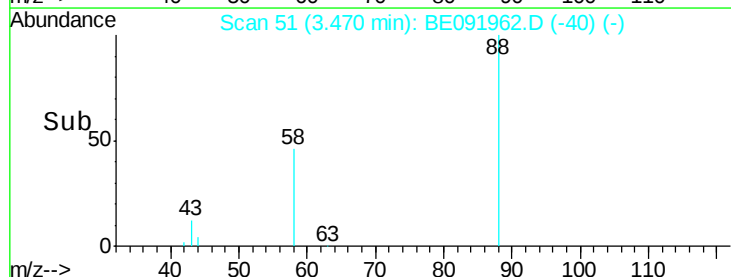
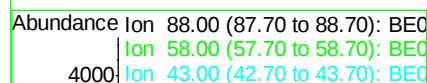
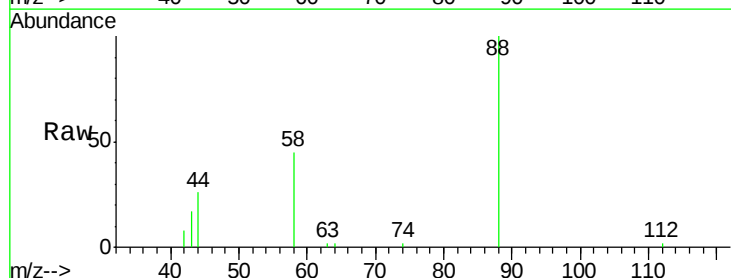
Tgt Ion: 88 Resp: 4827

Ion Ratio Lower Upper

88 100

58 86.8 63.0 94.4

43 38.2 29.1 43.7



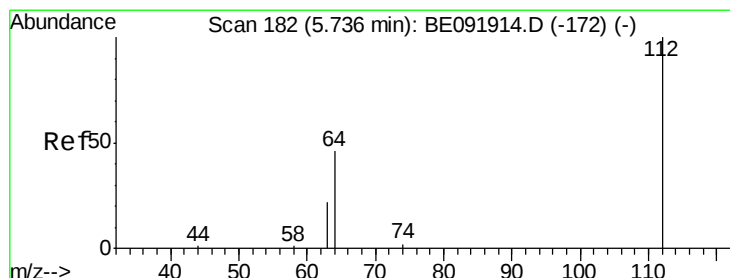
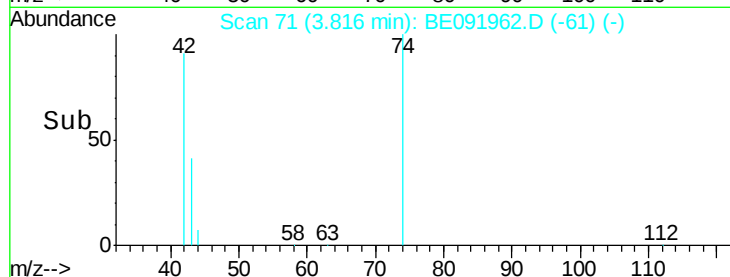
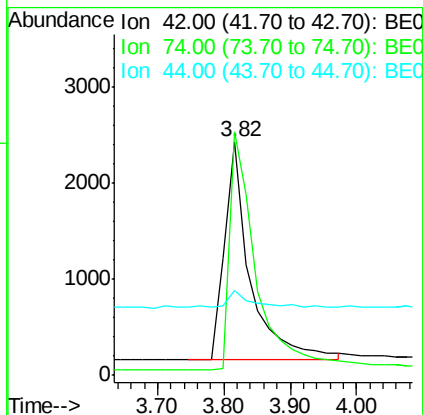
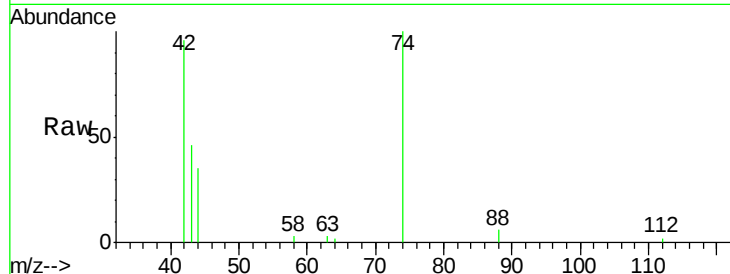


#3

n-Nitrosodimethylamine
 Concen: 1.61 ng
 RT: 3.82 min Scan# 71
 Delta R.T. -0.02 min
 Lab File: BE091962.D
 Acq: 5 Jul 2016 11:23

Instrument :
 BNA_E
 ClientSampleId :

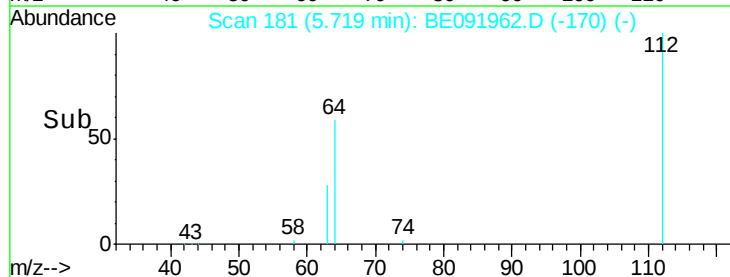
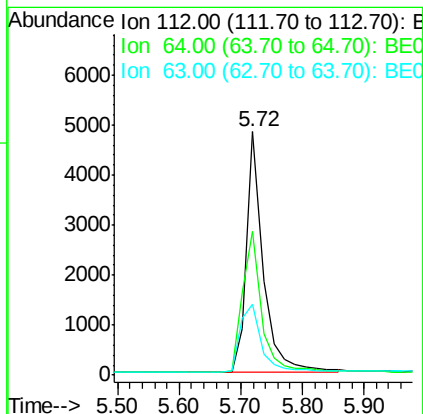
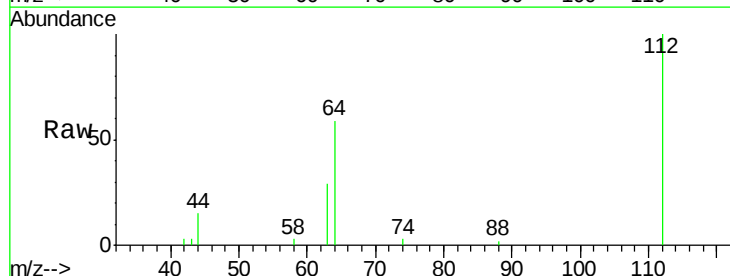
Tot Ion: 42 Resp: 6063
 Ion Ratio Lower Upper
 42 100
 74 111.8 93.4 140.0
 44 7.1 5.0 7.6

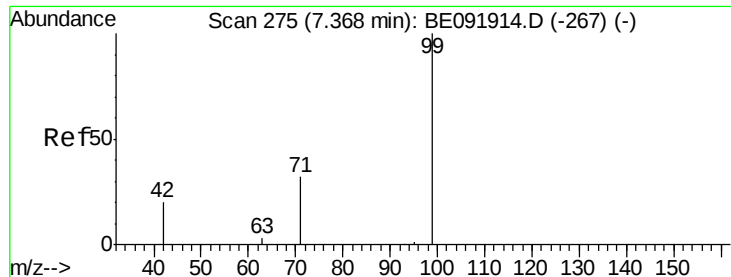


#4

2-Fluorophenol
 Concen: 2.00 ng
 RT: 5.72 min Scan# 181
 Delta R.T. -0.00 min
 Lab File: BE091962.D
 Acq: 5 Jul 2016 11:23

Tgt Ion: 112 Resp: 9177
 Ion Ratio Lower Upper
 112 100
 64 66.8 53.7 80.5
 63 36.0 29.5 44.3





#5

Phenol-d6

Concen: 2.16 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

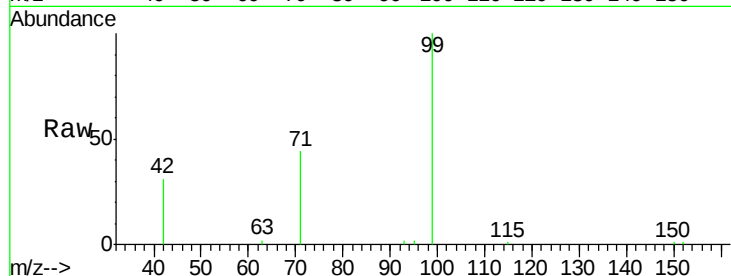
Tot Ion: 99 Resp: 12874

Ion Ratio Lower Upper

99 100

42 25.1 19.6 29.4

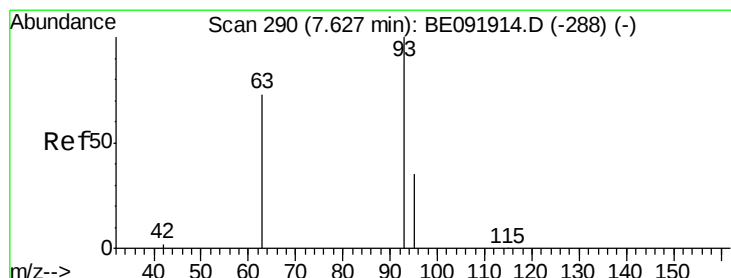
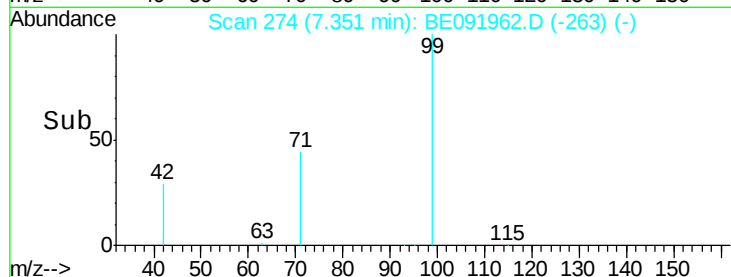
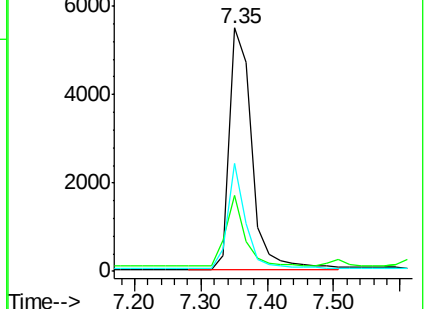
71 35.3 28.1 42.1



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: 1.68 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

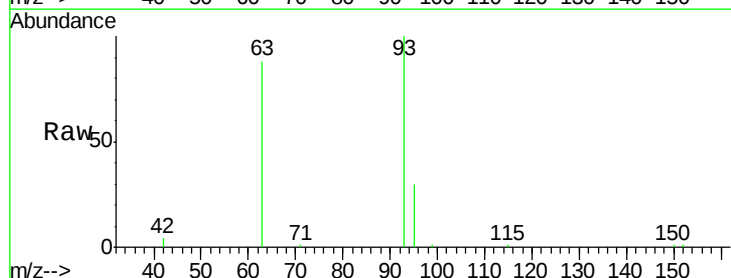
Tgt Ion: 93 Resp: 11310

Ion Ratio Lower Upper

93 100

63 84.2 66.2 99.4

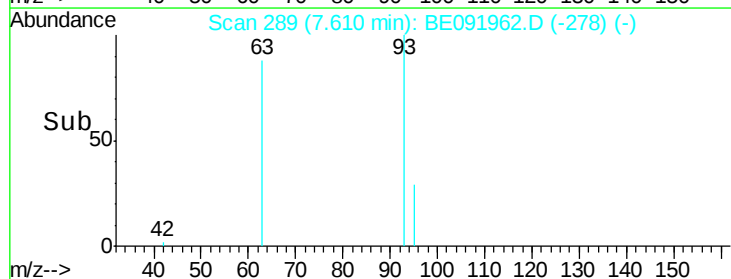
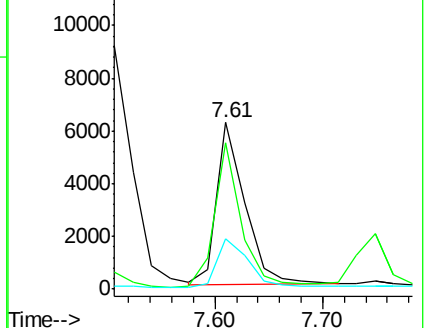
95 33.7 25.5 38.3

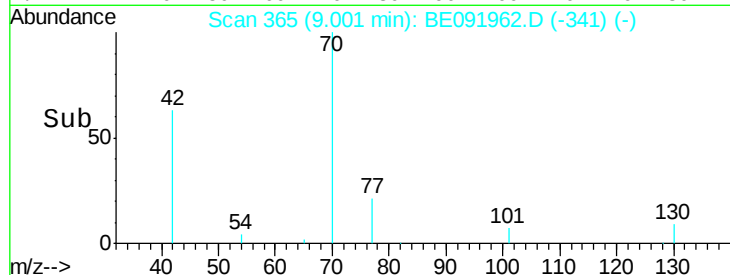
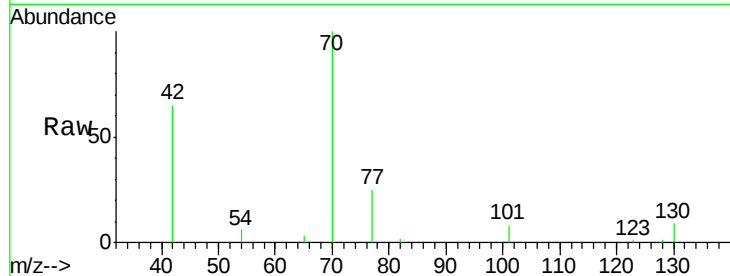
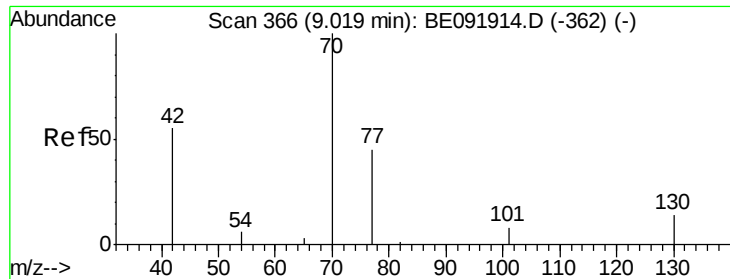


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 1.96 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 10480

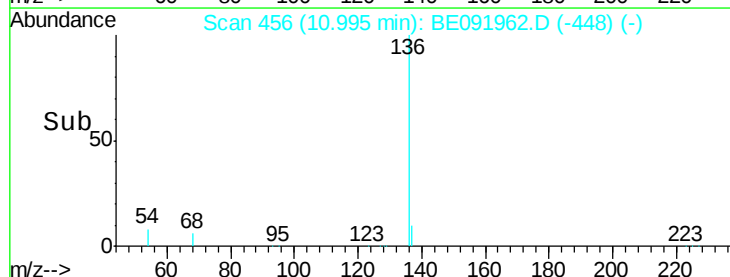
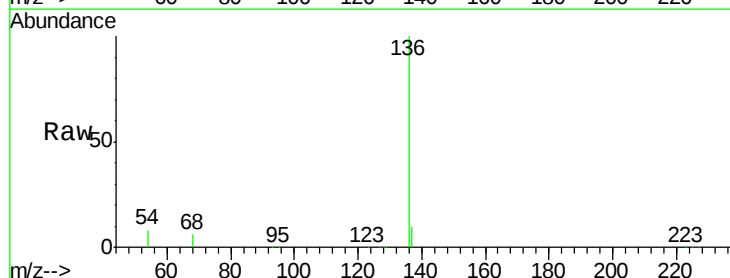
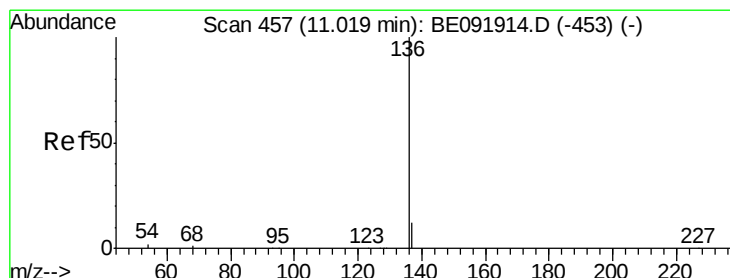
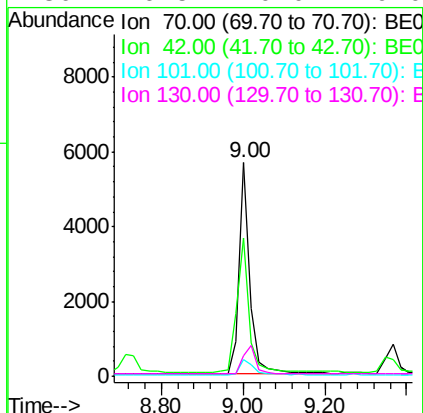
Ion Ratio Lower Upper

70 100

42 71.4 58.4 87.6

101 8.4 6.4 9.6

130 16.5 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: BE091962.D

Acq: 5 Jul 2016 11:23

Tgt Ion: 136 Resp: 111278

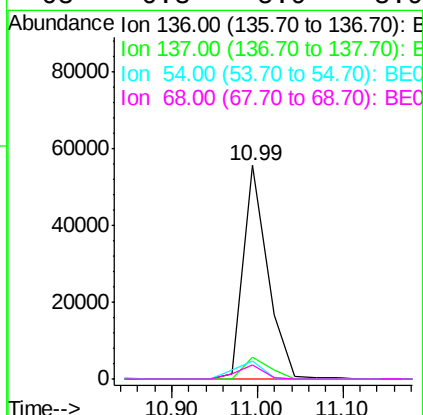
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 8.3 8.2 12.4

68 6.3 5.9 8.9





#9

Nitrobenzene-d5

Concen: 1.64 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

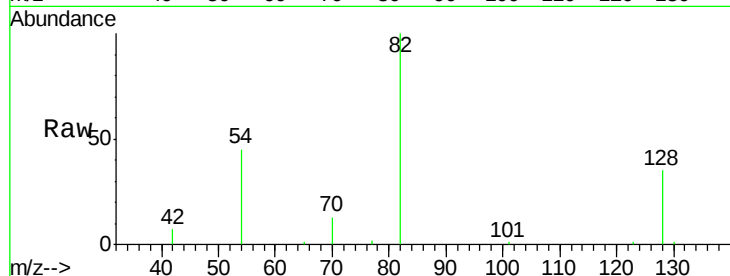
Tot Ion: 82 Resp: 12574

Ion Ratio Lower Upper

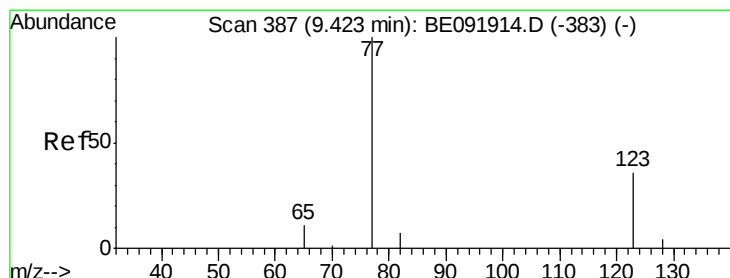
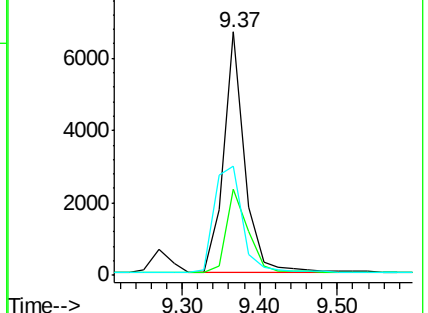
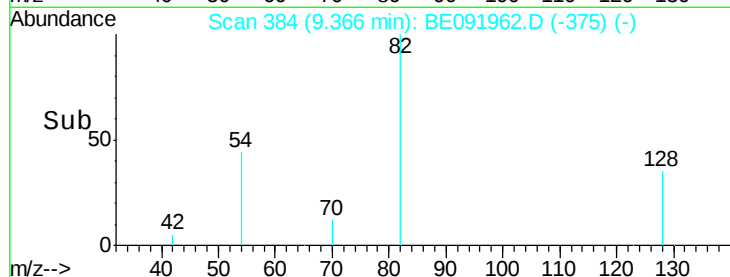
82 100

128 35.3 39.5 59.3#

54 44.9 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: 1.83 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

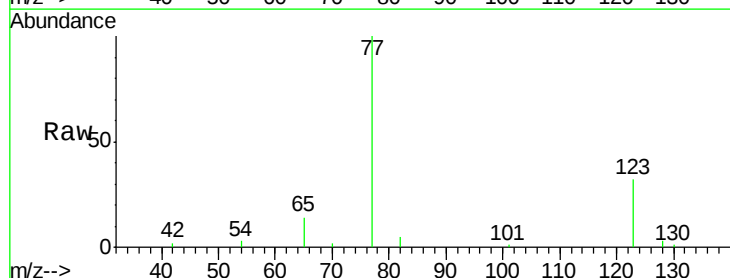
Tgt Ion: 77 Resp: 14016

Ion Ratio Lower Upper

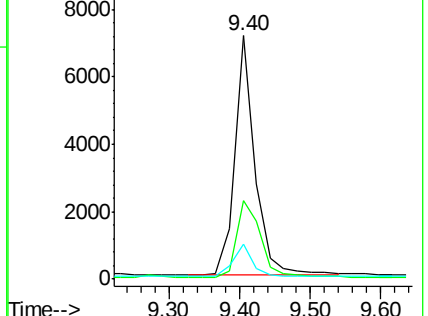
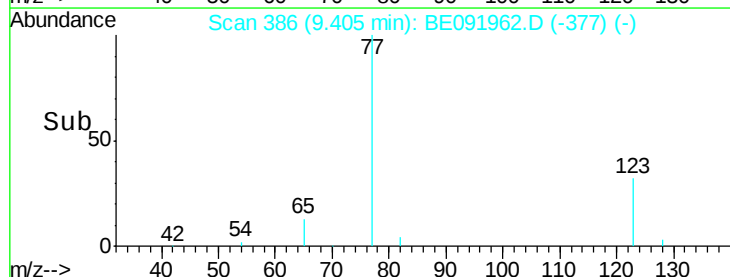
77 100

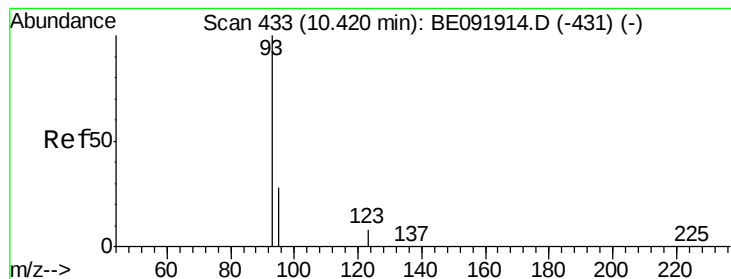
123 38.5 0.0 0.0#

65 13.8 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: 1.53 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.03 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

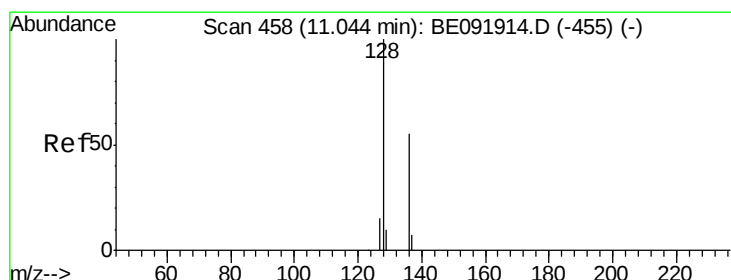
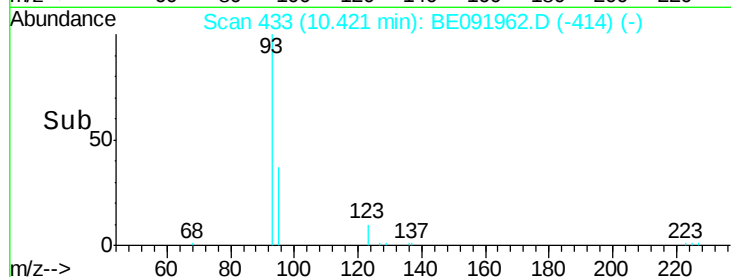
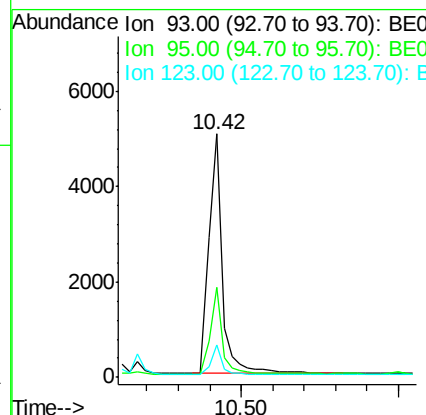
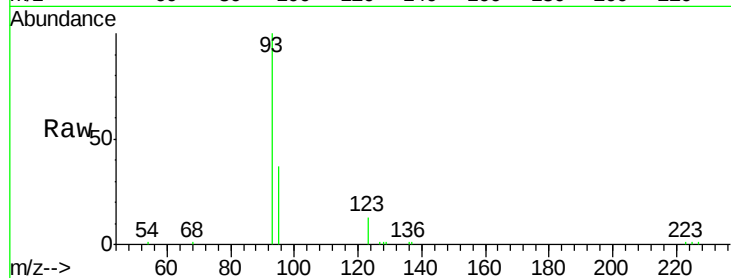
Tot Ion: 93 Resp: 14942

Ion Ratio Lower Upper

93 100

95 35.6 57.6 86.4#

123 10.5 100.2 150.4#



#12

Naphthalene

Concen: 1.71 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

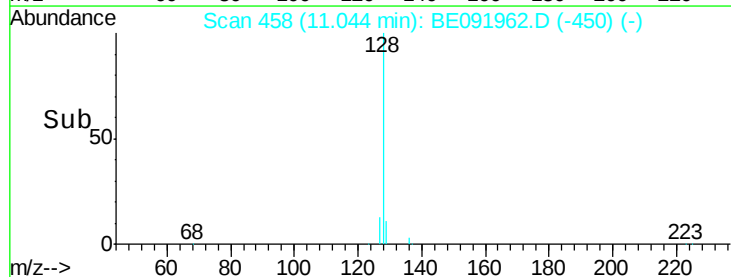
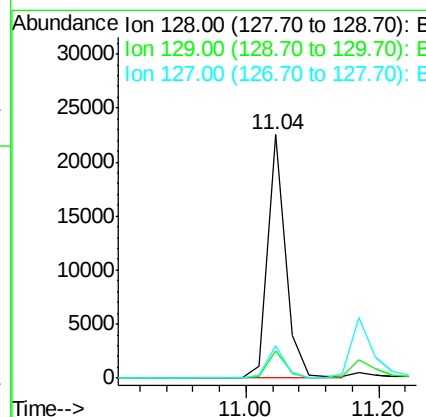
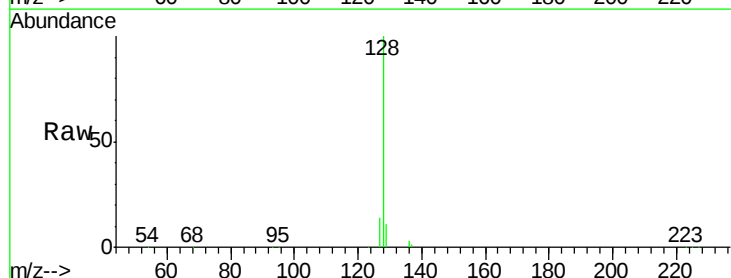
Tgt Ion: 128 Resp: 41629

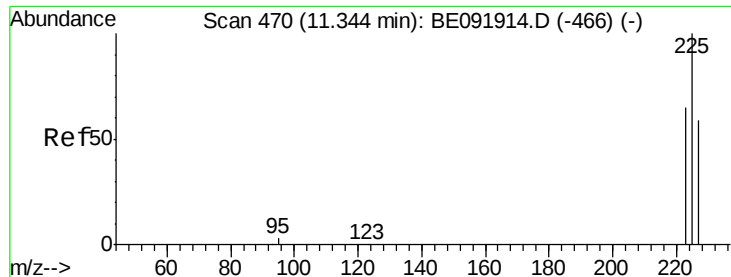
Ion Ratio Lower Upper

128 100

129 11.0 10.4 15.6

127 13.6 10.2 15.2

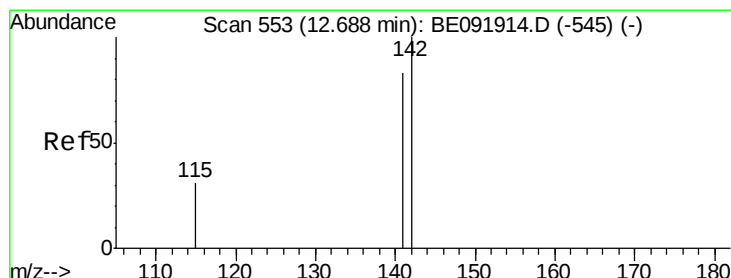
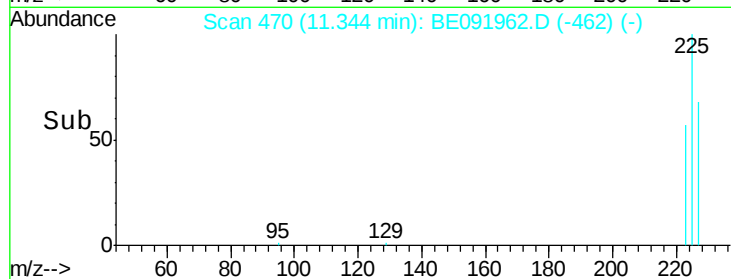
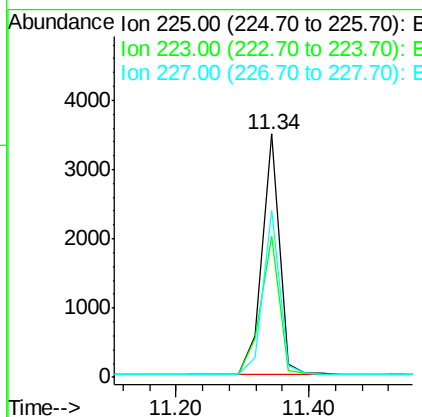
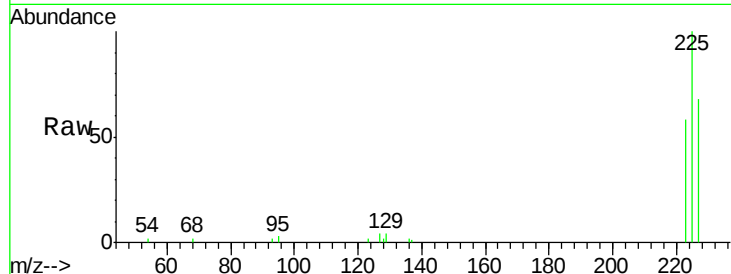




#13
Hexachlorobutadiene
Concen: 1.59 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091962.D
Acq: 5 Jul 2016 11:23

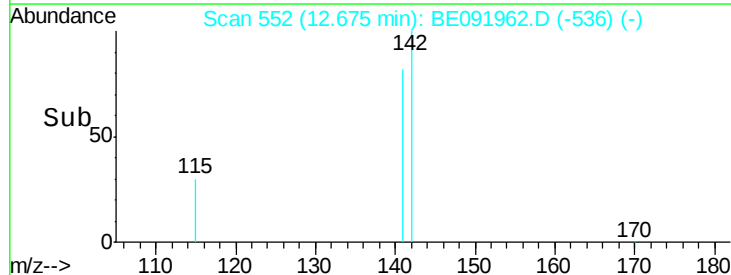
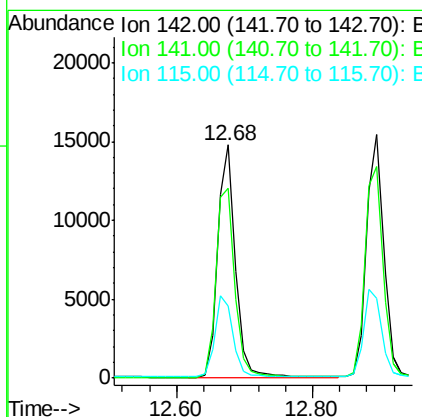
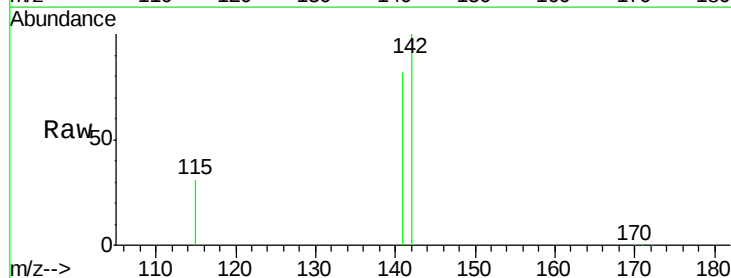
Instrument :
BNA_E
ClientSampleId :

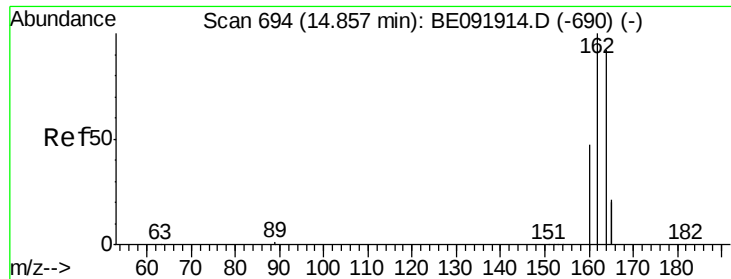
Tot Ion:225 Resp: 6267
Ion Ratio Lower Upper
225 100
223 61.7 49.8 74.8
227 65.5 50.6 75.8



#14
2-Methylnaphthalene
Concen: 1.63 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091962.D
Acq: 5 Jul 2016 11:23

Tgt Ion:142 Resp: 26945
Ion Ratio Lower Upper
142 100
141 81.8 71.9 107.9
115 30.8 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: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

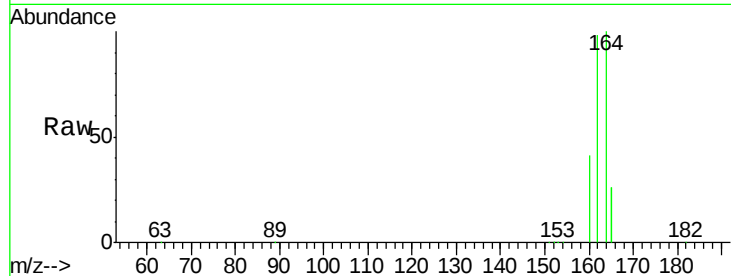
Tot Ion:164 Resp: 88281

Ion Ratio Lower Upper

164 100

162 97.5 71.8 107.8

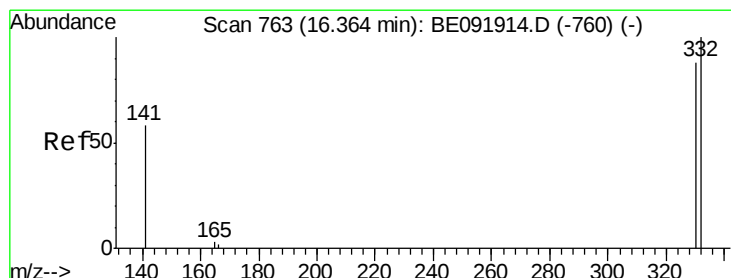
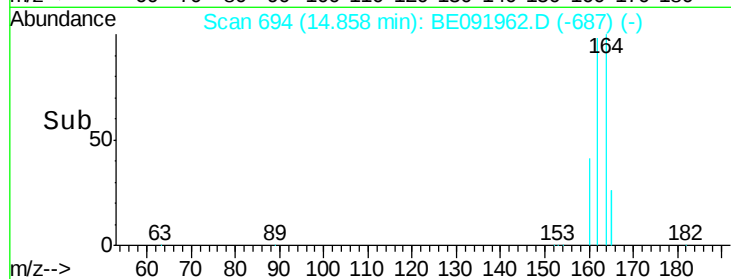
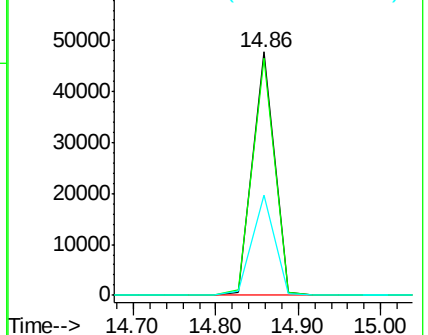
160 41.1 28.0 42.0



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: 2.31 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

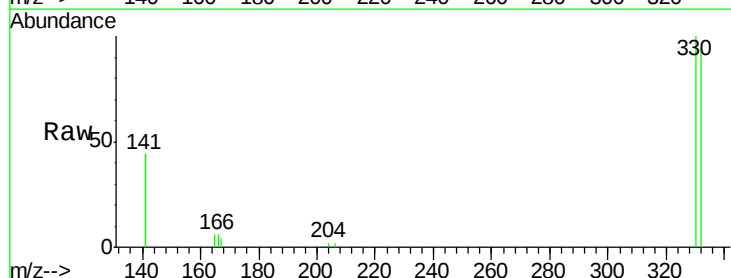
Tgt Ion:330 Resp: 4159

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

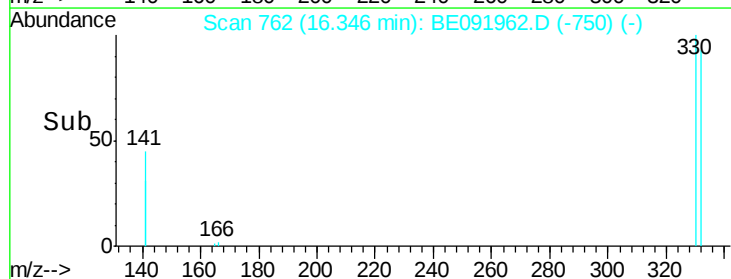
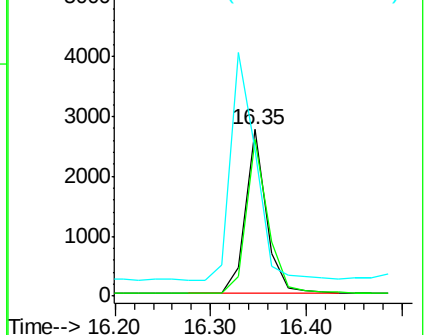
141 166.3 138.4 207.6

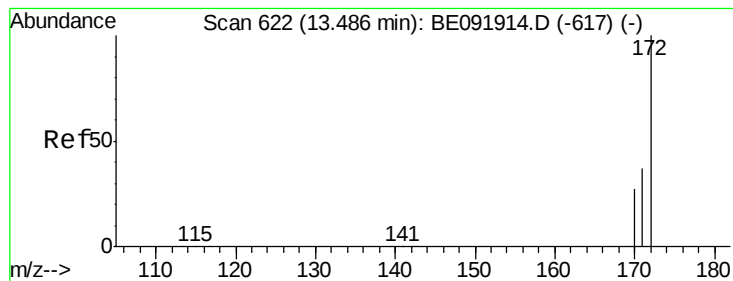


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

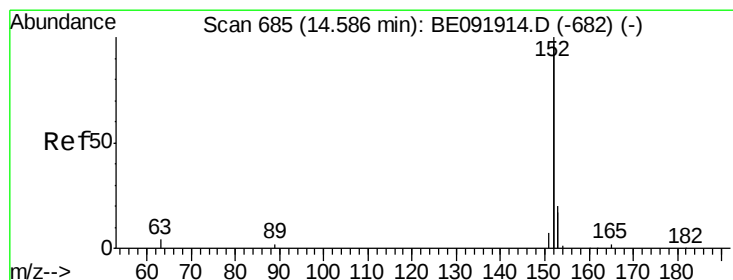
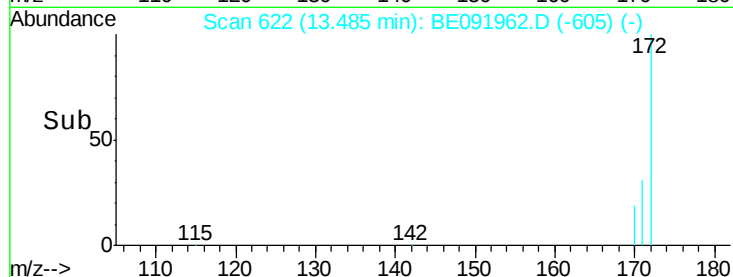
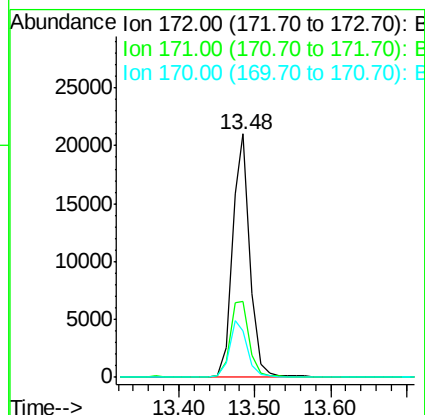
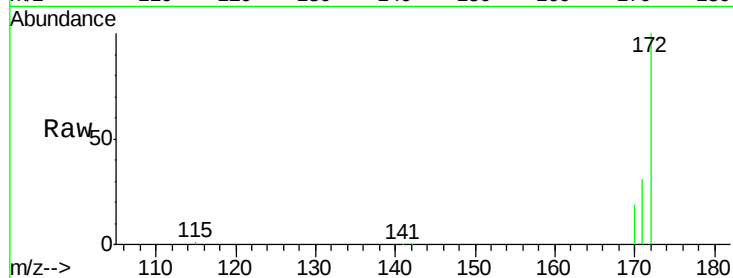




#17
 2-Fluorobiphenyl
 Concen: 1.50 ng
 RT: 13.48 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091962.D
 Acq: 5 Jul 2016 11:23

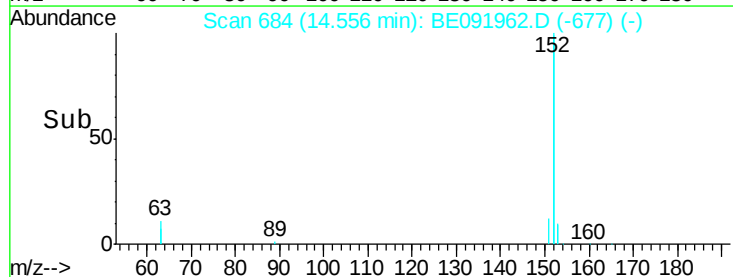
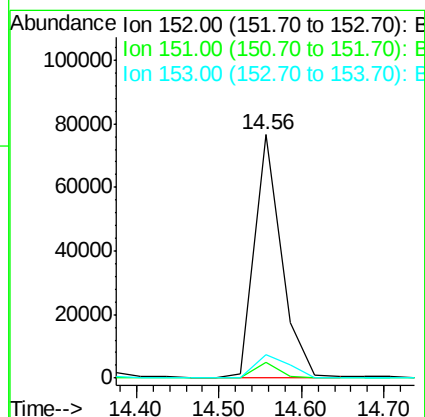
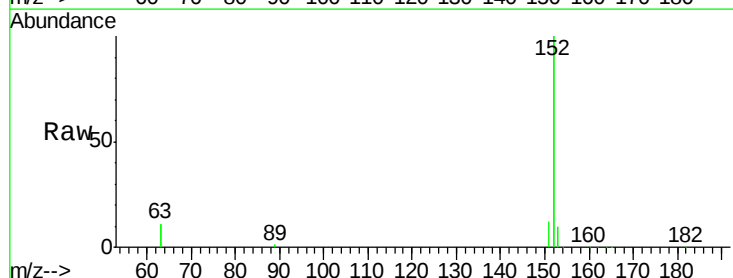
Instrument :
 BNA_E
 ClientSampleID :

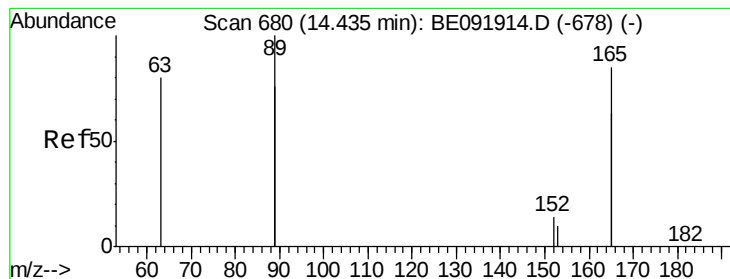
Tot Ion:172 Resp: 33599
 Ion Ratio Lower Upper
 172 100
 171 31.1 24.3 36.5
 170 18.8 14.9 22.3



#18
 Acenaphthylene
 Concen: 1.93 ng
 RT: 14.56 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BE091962.D
 Acq: 5 Jul 2016 11:23

Tgt Ion:152 Resp: 172620
 Ion Ratio Lower Upper
 152 100
 151 5.5 19.4 29.2#
 153 11.8 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 2.37 ng

RT: 14.44 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

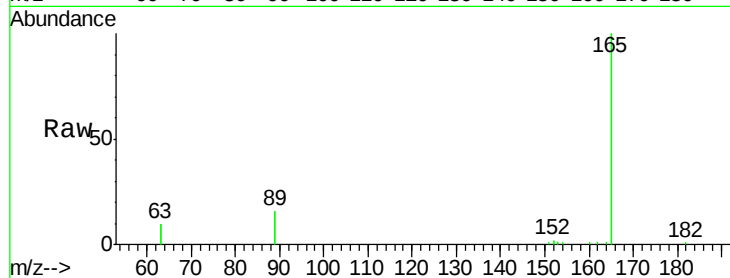
Tot Ion:165 Resp: 33924

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

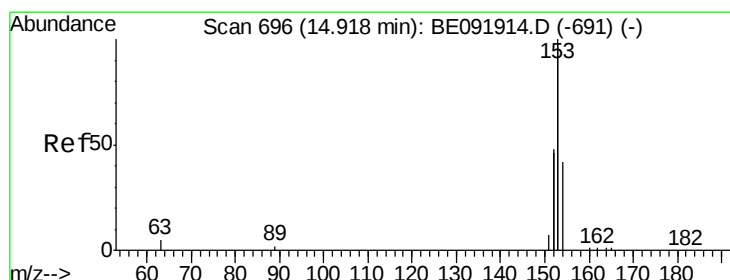
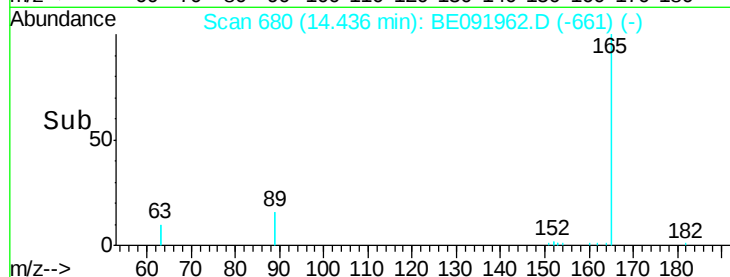
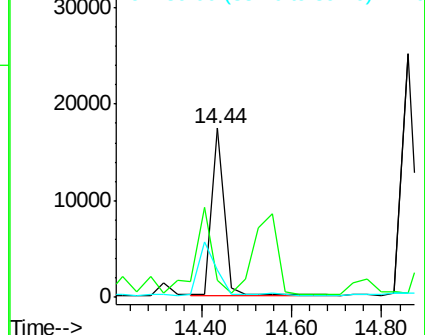
89 0.0 59.1 88.7#



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: 1.49 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

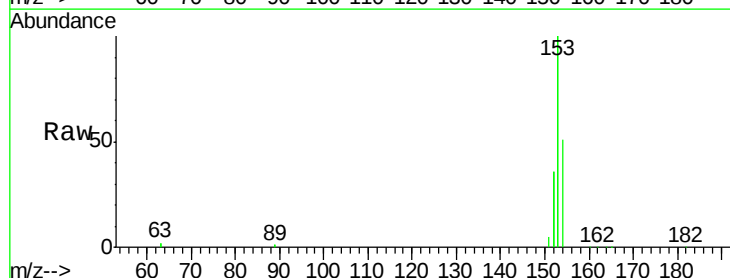
Tgt Ion:154 Resp: 36803

Ion Ratio Lower Upper

154 100

153 397.3 88.1 132.1#

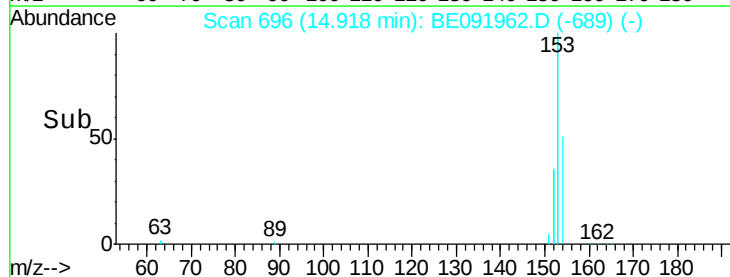
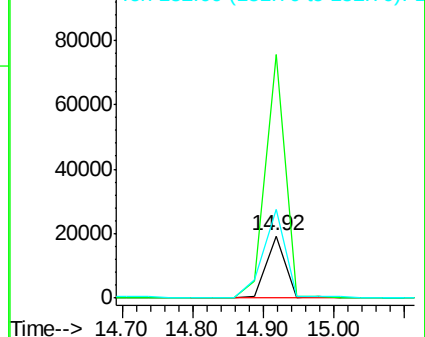
152 162.7 44.2 66.2#

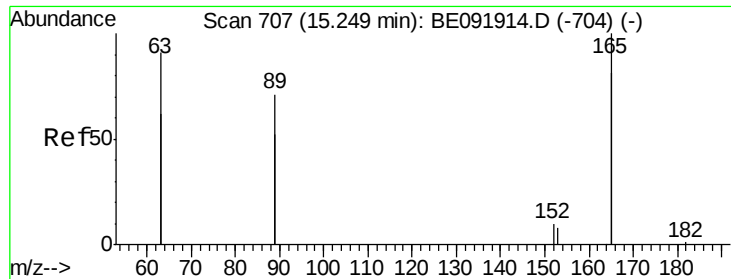


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

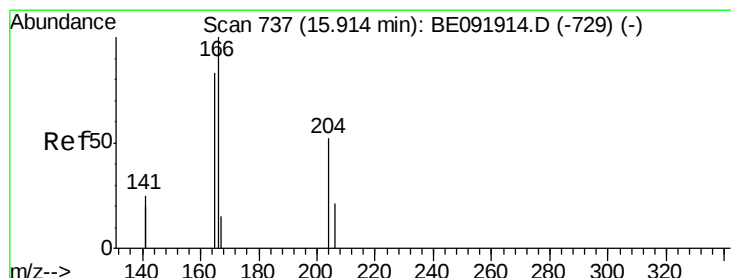
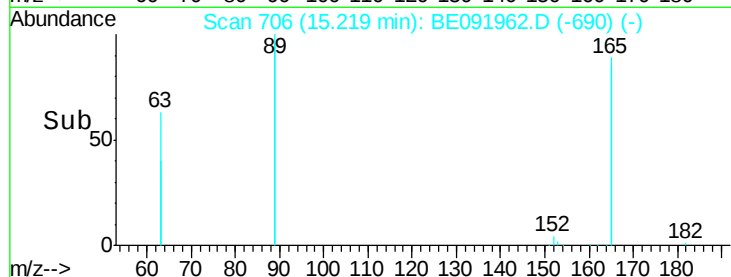
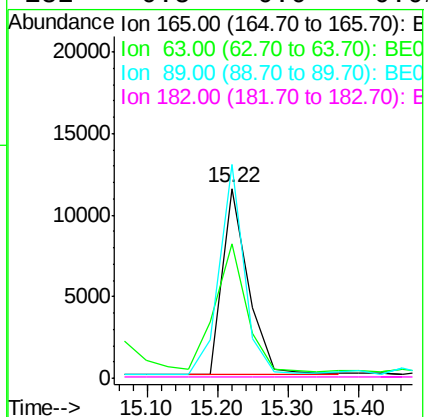
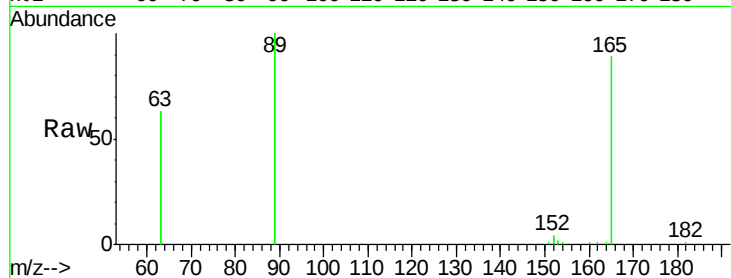




#21
2,4-Dinitrotoluene
Concen: 2.16 ng
RT: 15.22 min Scan# 706
Delta R.T. -0.03 min
Lab File: BE091962.D
Acq: 5 Jul 2016 11:23

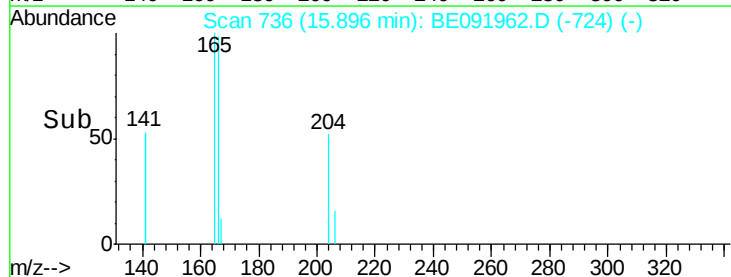
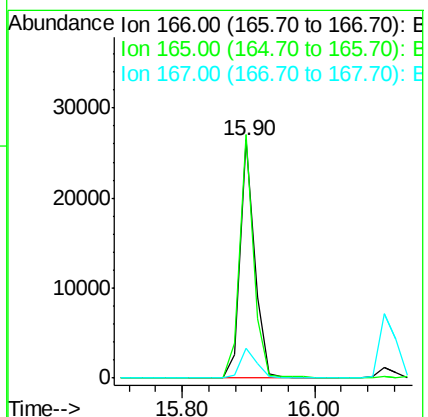
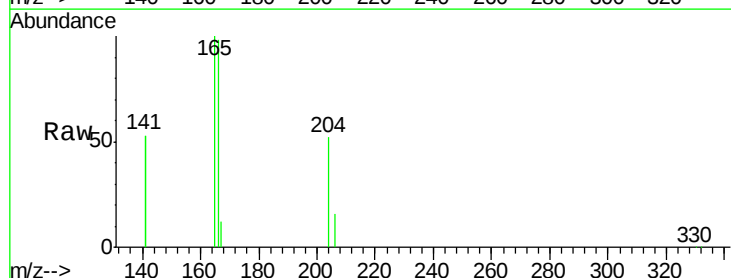
Instrument :
BNA_E
ClientSampleId :

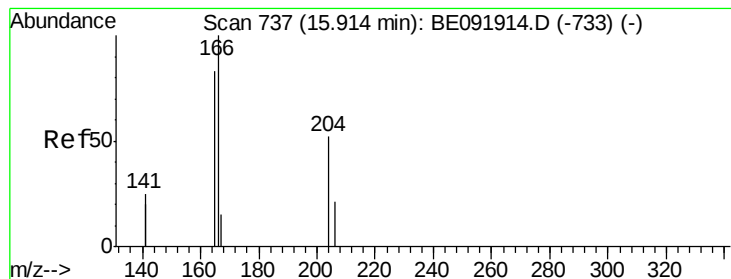
Tot Ion:165 Resp: 28944
Ion Ratio Lower Upper
165 100
63 83.7 0.0 0.0#
89 109.7 99.8 149.8
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 1.64 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091962.D
Acq: 5 Jul 2016 11:23

Tgt Ion:166 Resp: 40206
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.4 10.8 16.2





#23

4-Chlorophenyl-phenylether

Concen: 1.65 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampled :

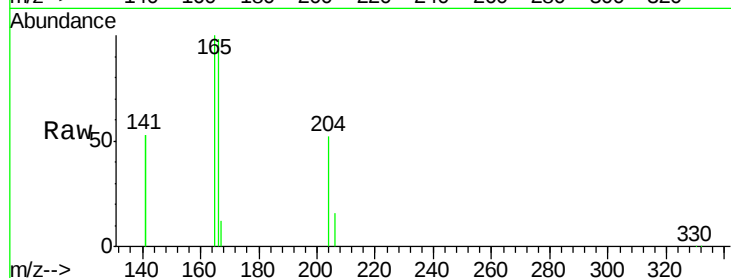
Tot Ion:204 Resp: 19942

Ion Ratio Lower Upper

204 100

206 33.4 27.8 41.6

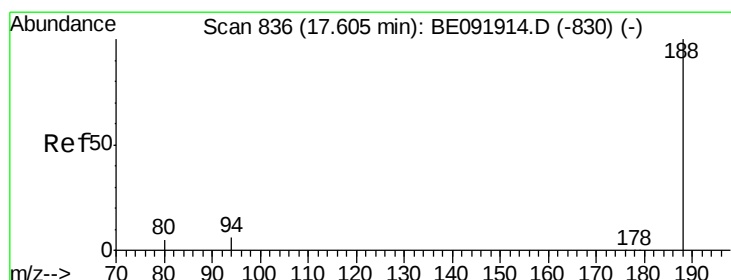
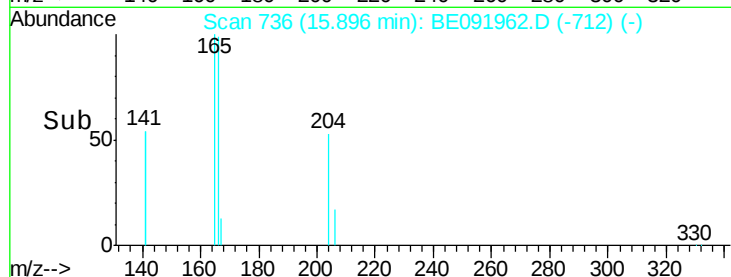
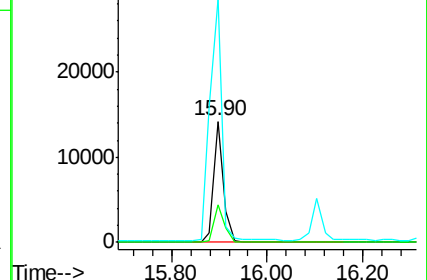
141 242.3 197.6 296.4



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

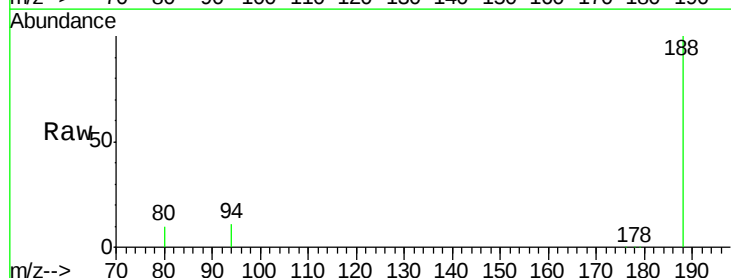
Tgt Ion:188 Resp: 173940

Ion Ratio Lower Upper

188 100

94 10.6 4.1 6.1#

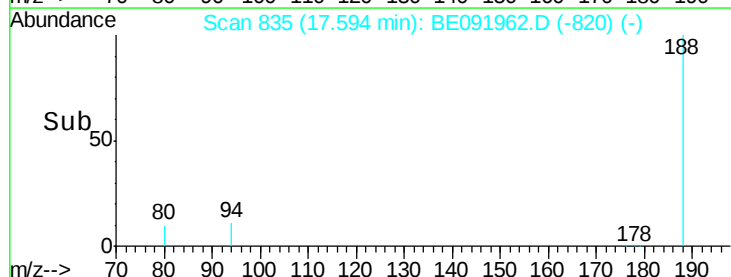
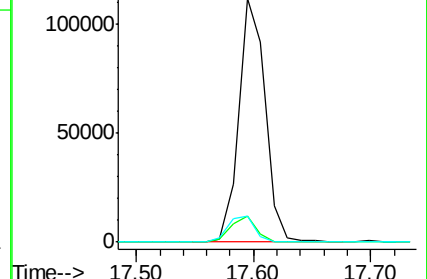
80 10.5 3.4 5.2#

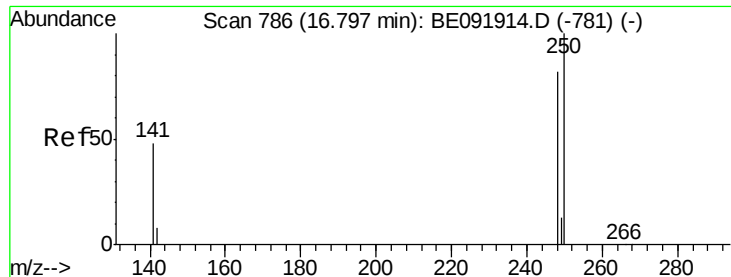


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 1.78 ng

RT: 16.78 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampled :

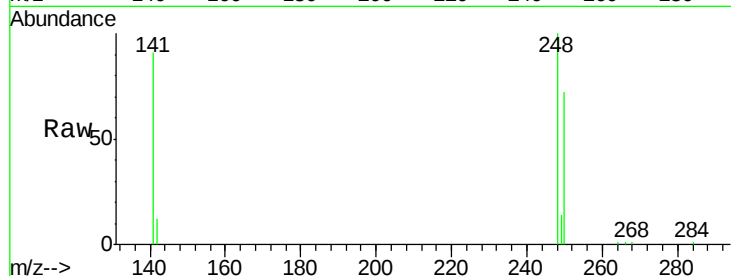
Tot Ion:248 Resp: 11995

Ion Ratio Lower Upper

248 100

250 94.4 75.7 113.5

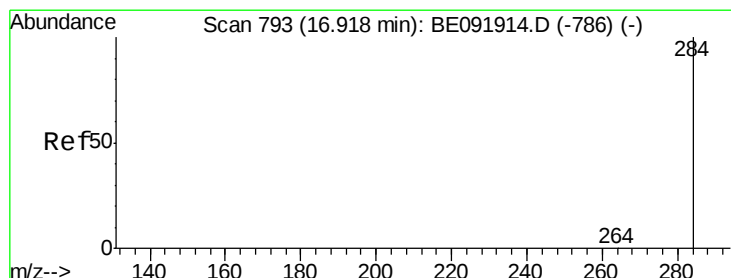
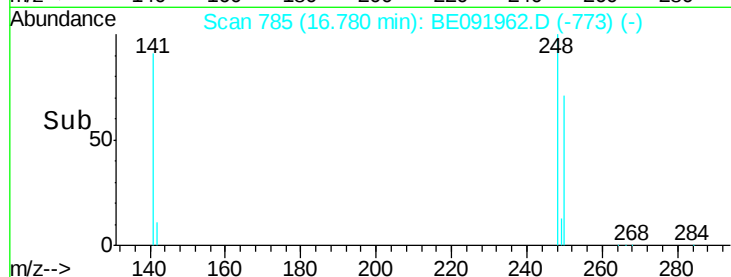
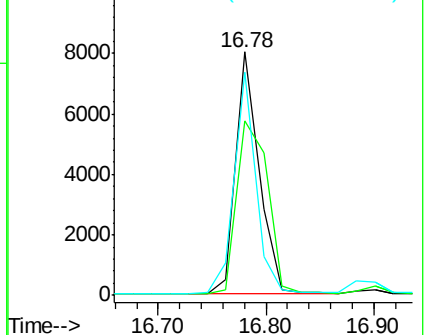
141 83.5 64.6 97.0



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: 1.71 ng

RT: 16.90 min Scan# 792

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

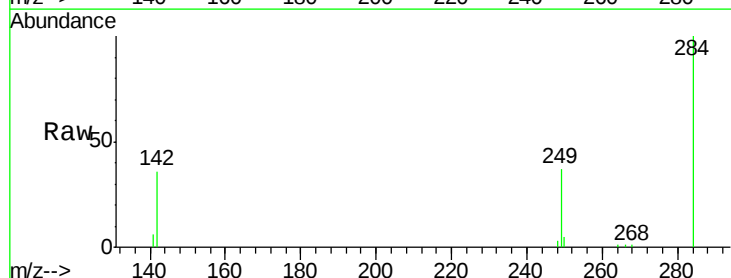
Tgt Ion:284 Resp: 11810

Ion Ratio Lower Upper

284 100

142 39.9 31.4 47.2

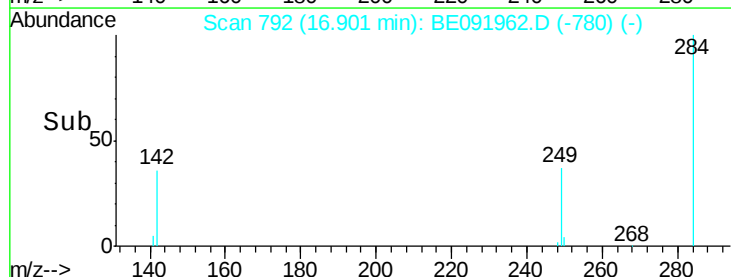
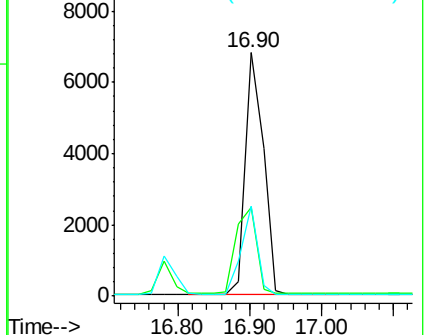
249 32.2 25.3 37.9

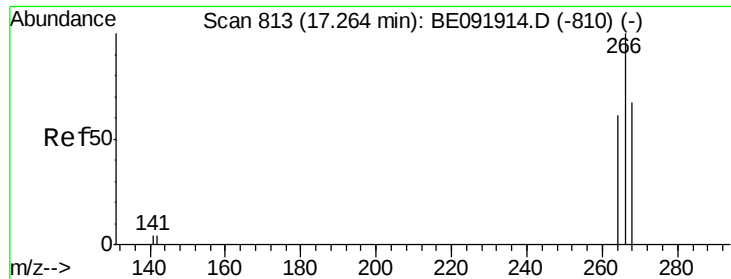


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 1.98 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

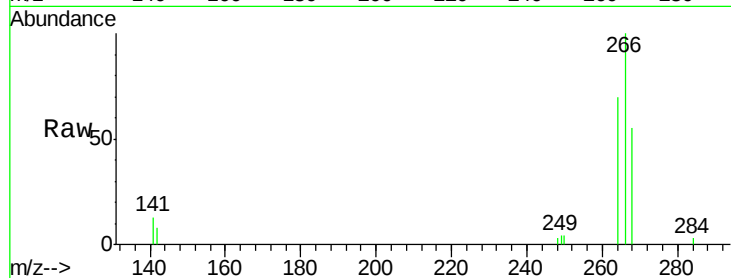
Tot Ion:266 Resp: 3749

Ion Ratio Lower Upper

266 100

268 55.1 60.5 90.7#

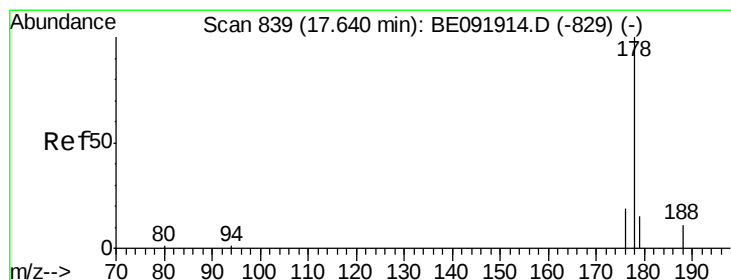
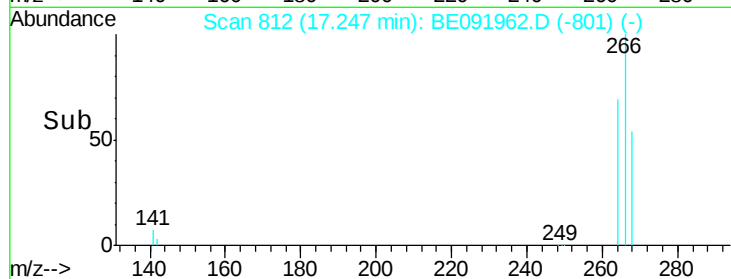
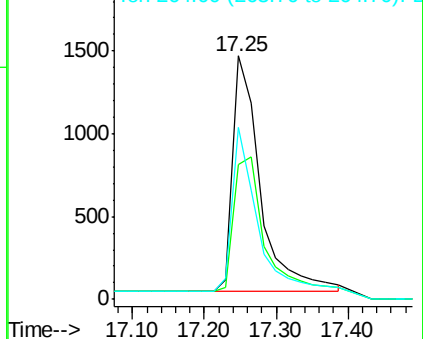
264 70.4 51.0 76.4



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: 1.62 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

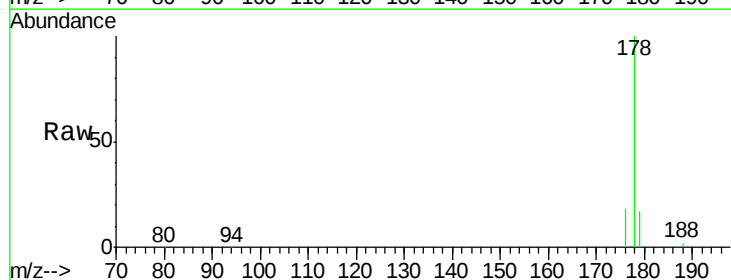
Tgt Ion:178 Resp: 70315

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

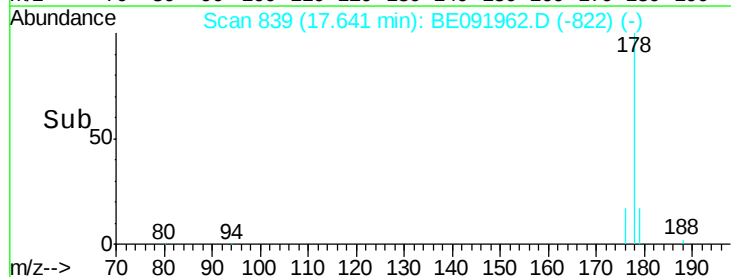
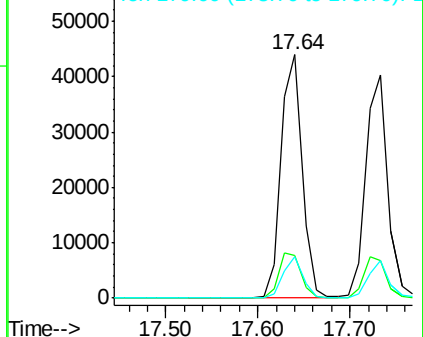
179 15.7 12.9 19.3

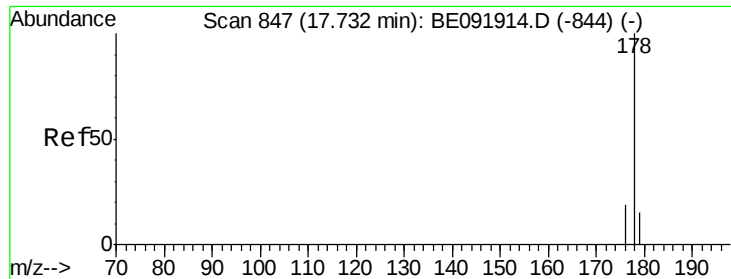


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 1.75 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampled :

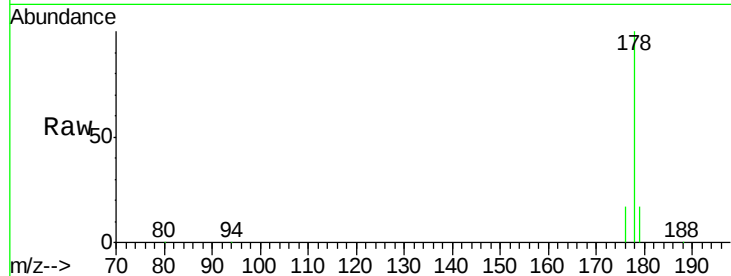
Tot Ion:178 Resp: 67470

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

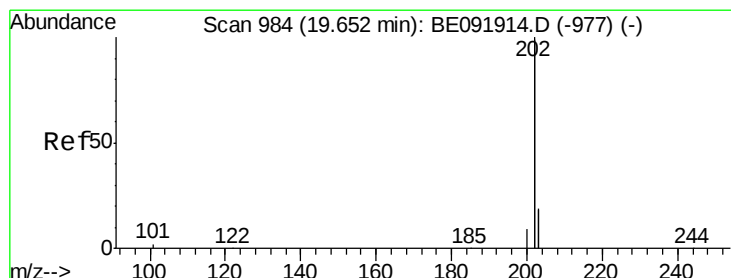
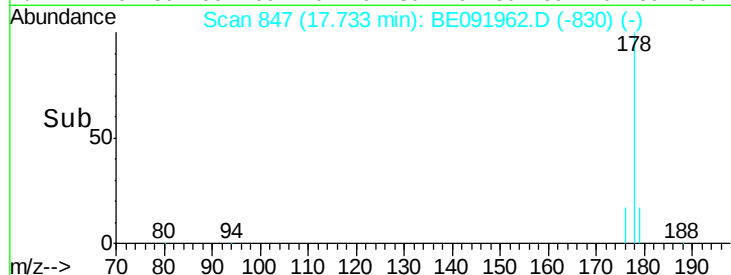
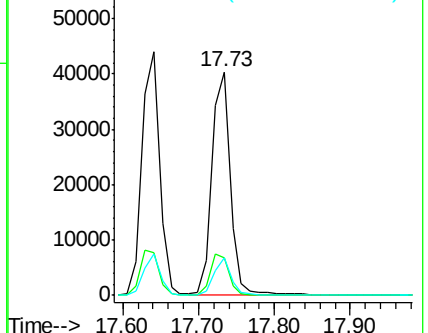
179 15.4 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 1.59 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

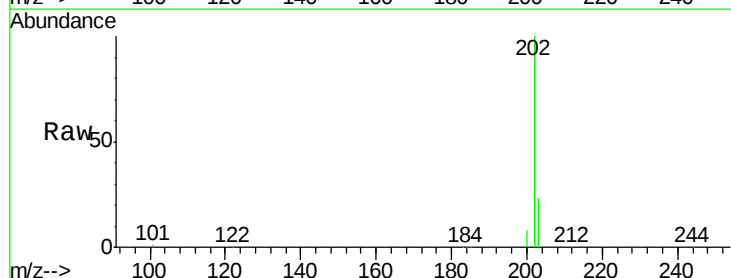
Tgt Ion:202 Resp: 296970

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

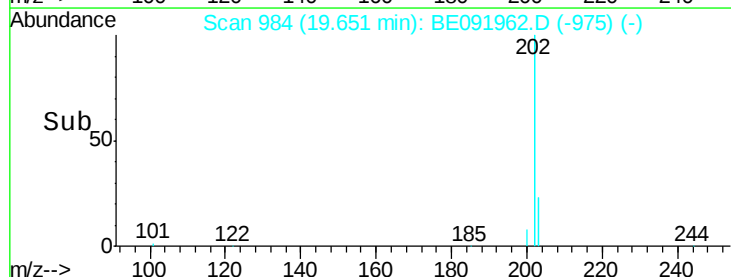
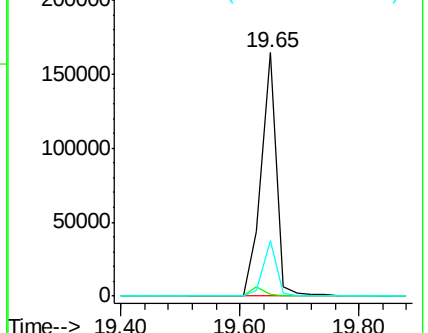
203 19.9 14.3 21.5

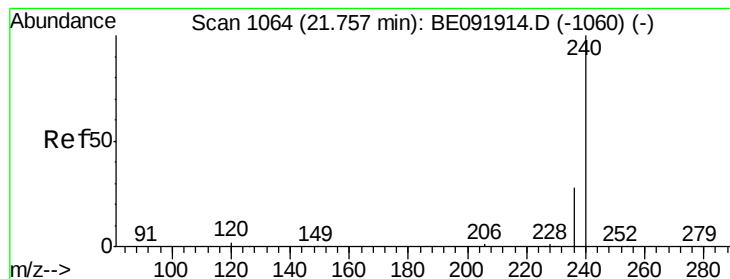


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

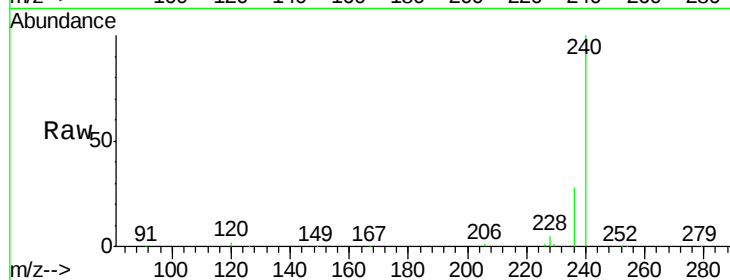
Tot Ion:240 Resp: 278312

Ion Ratio Lower Upper

240 100

120 2.1 1.2 1.8#

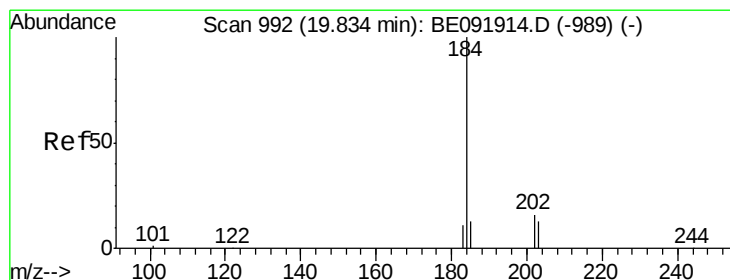
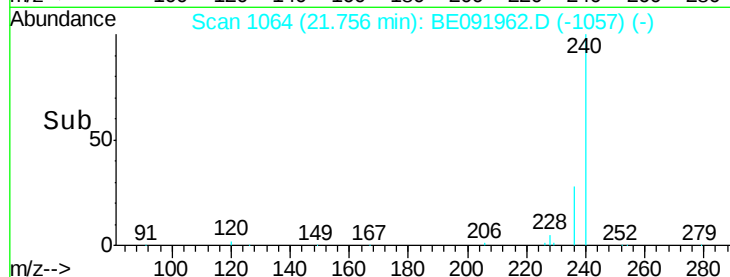
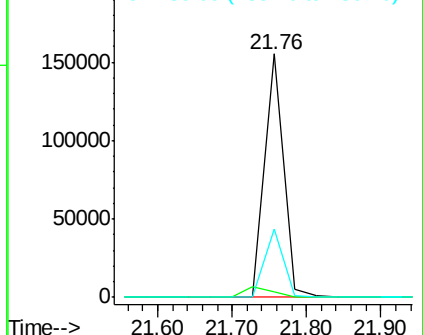
236 28.1 19.8 29.8



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: 2.99 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

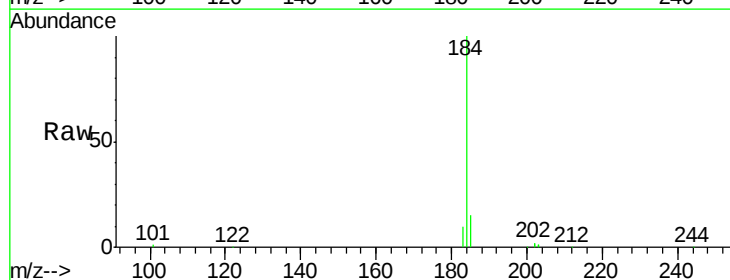
Tgt Ion:184 Resp: 28248

Ion Ratio Lower Upper

184 100

185 14.9 11.4 17.2

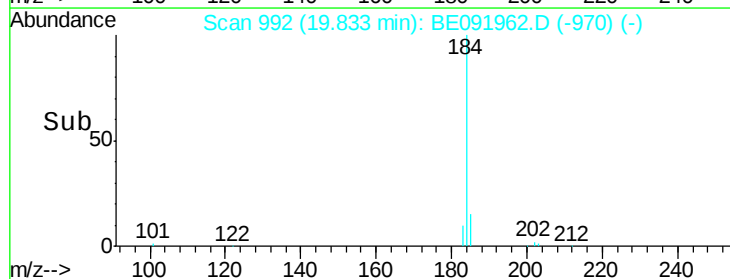
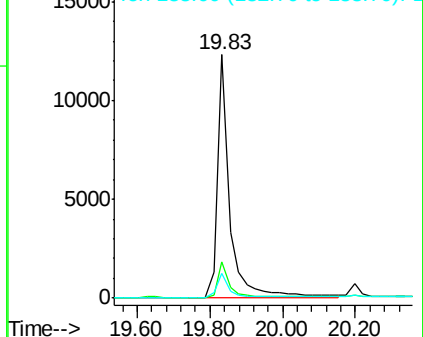
183 10.1 11.8 17.6#

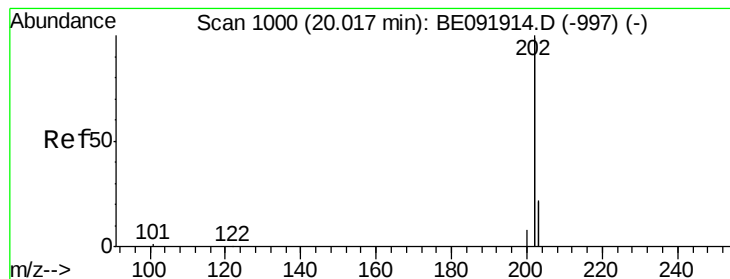


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 1.66 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

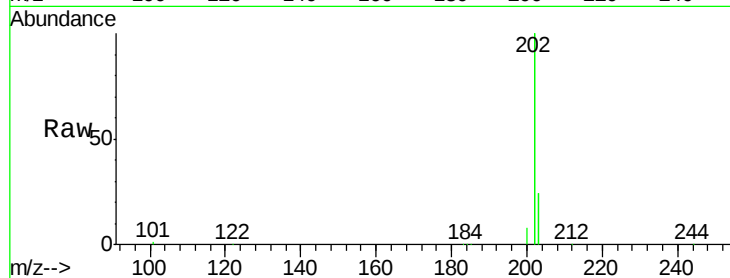
Tot Ion:202 Resp: 313789

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

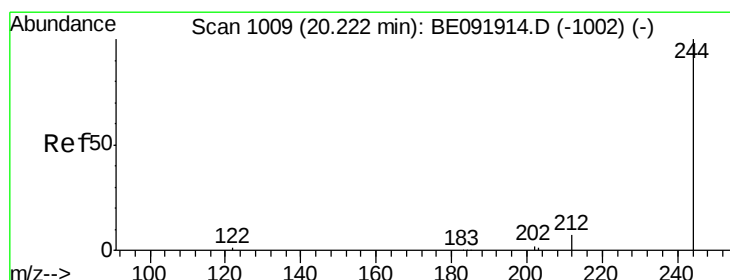
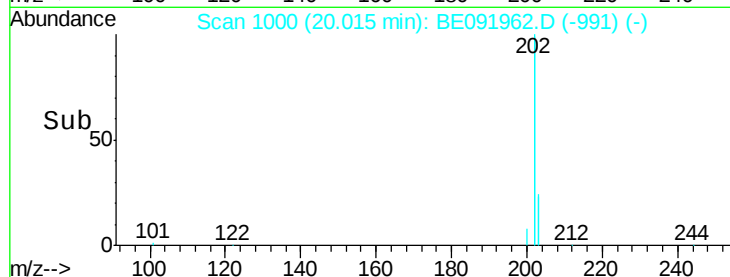
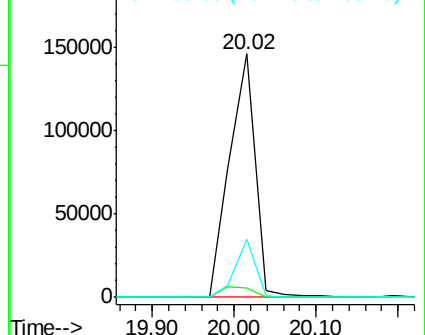
203 18.8 14.1 21.1



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: 1.54 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

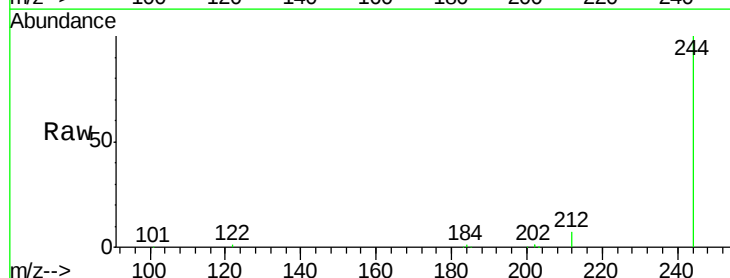
Tgt Ion:244 Resp: 52456

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

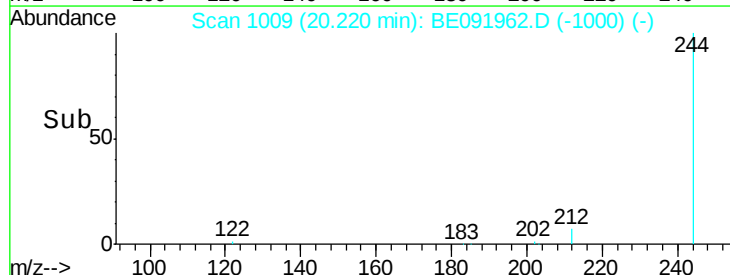
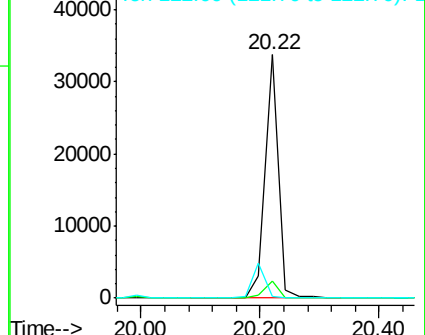
122 0.9 2.9 4.3#

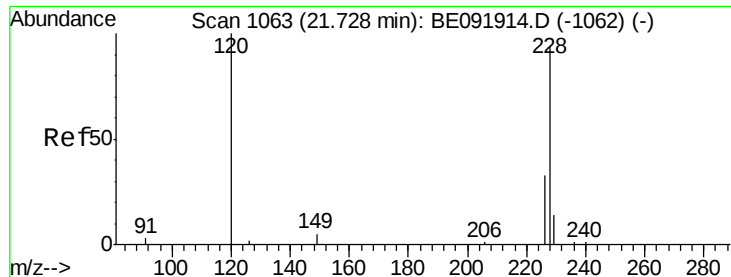


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 4.00 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

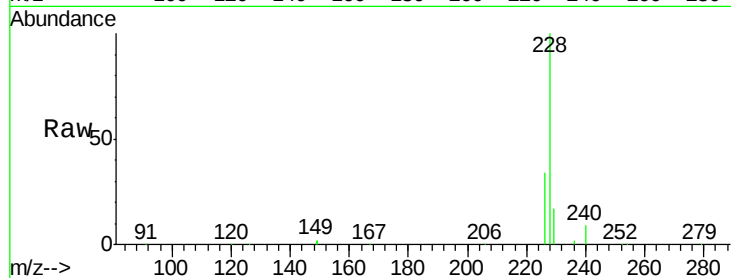
Tot Ion:228 Resp: 174753

Ion Ratio Lower Upper

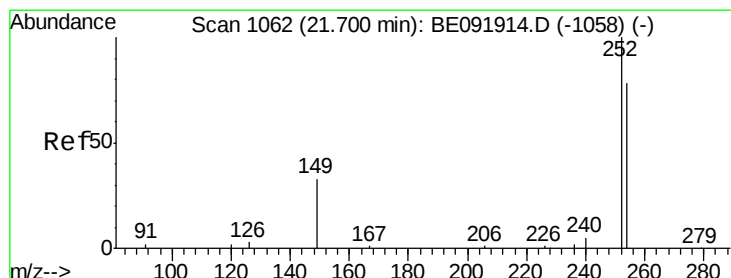
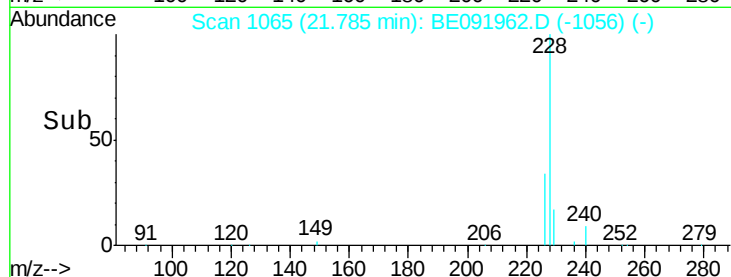
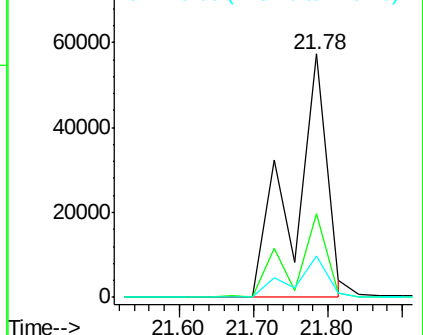
228 100

226 34.2 21.0 31.4#

229 17.2 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: 2.66 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

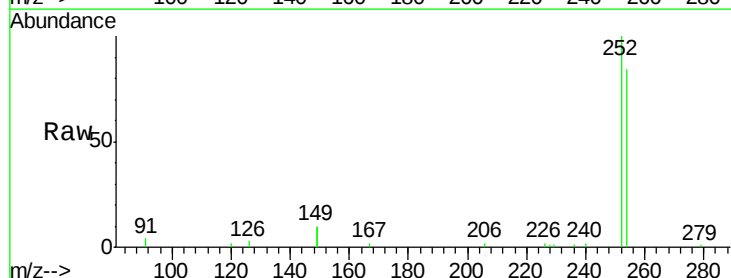
Tgt Ion:252 Resp: 18833

Ion Ratio Lower Upper

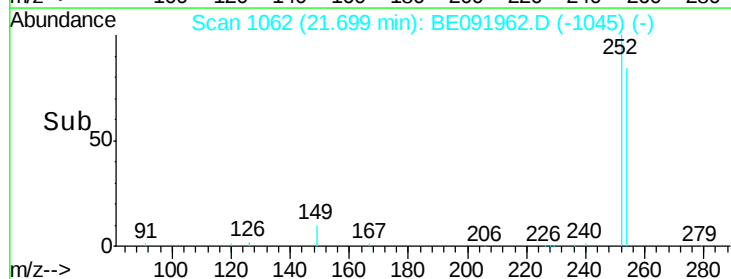
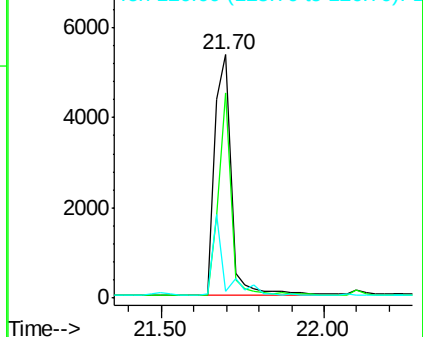
252 100

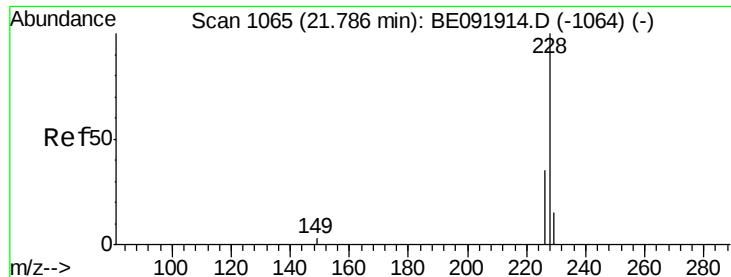
254 84.4 61.5 92.3

126 2.9 2.5 3.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 2.76 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

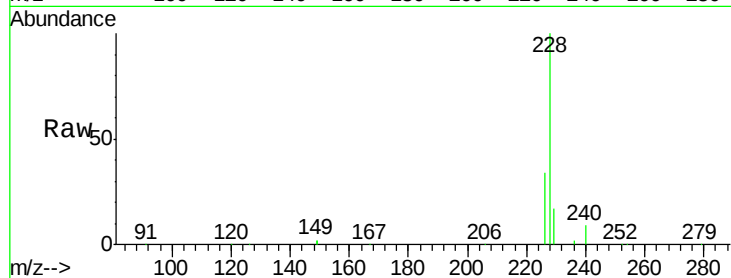
Tot Ion:228 Resp: 176592

Ion Ratio Lower Upper

228 100

226 34.2 27.0 40.6

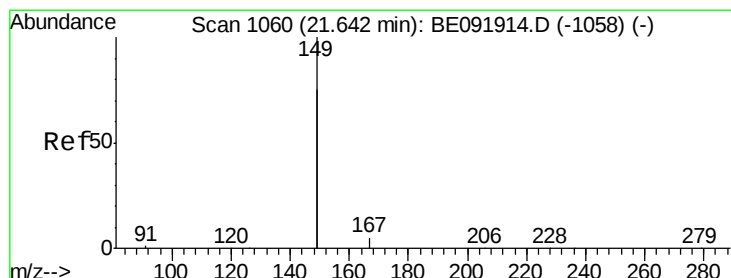
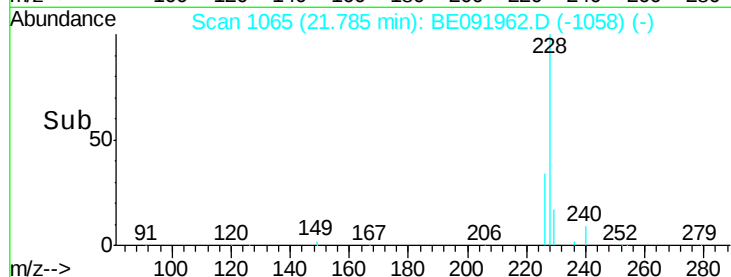
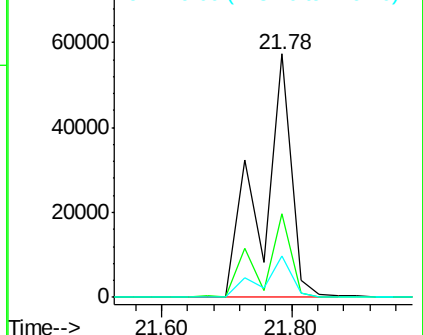
229 17.2 13.8 20.8



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: 2.44 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

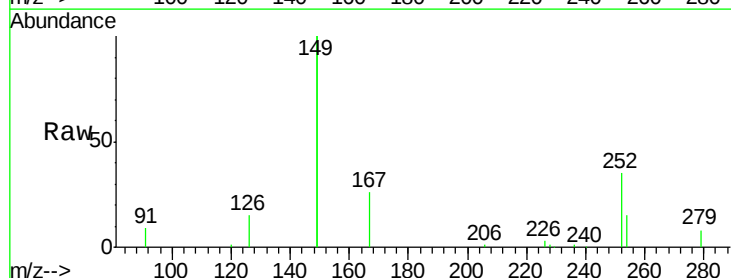
Tgt Ion:149 Resp: 78840

Ion Ratio Lower Upper

149 100

167 8.4 0.0 0.0#

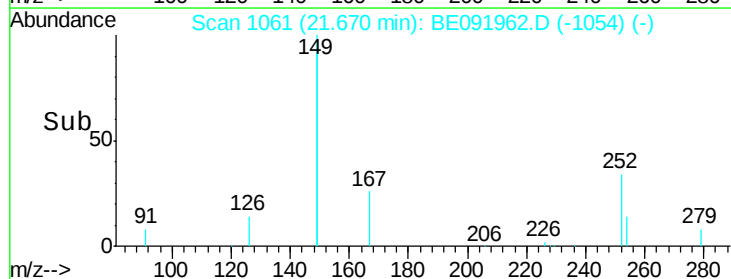
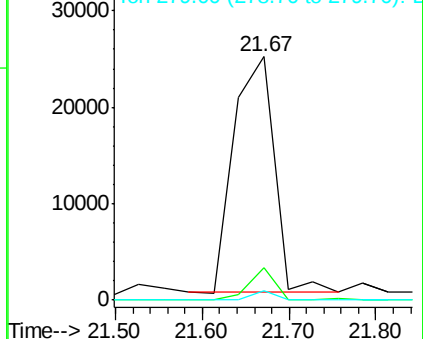
279 2.2 0.0 0.0#

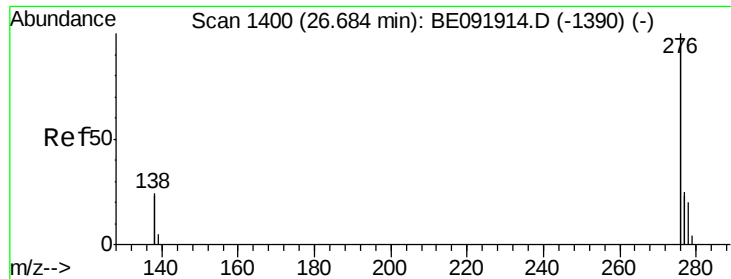


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

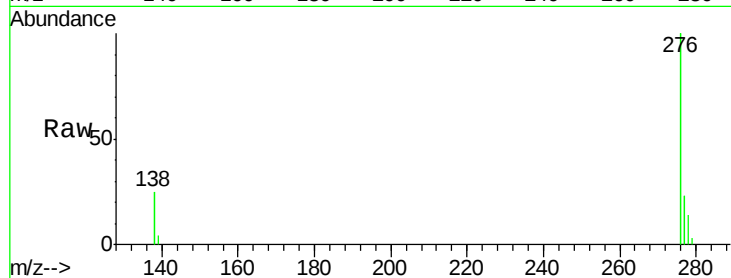




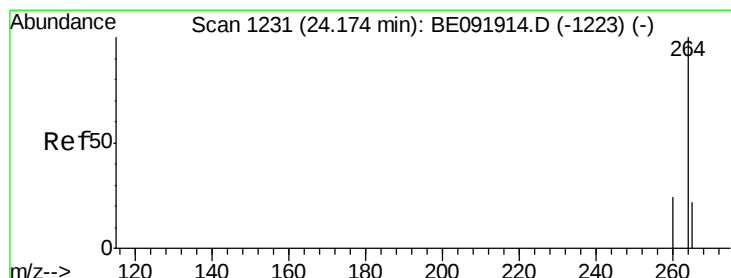
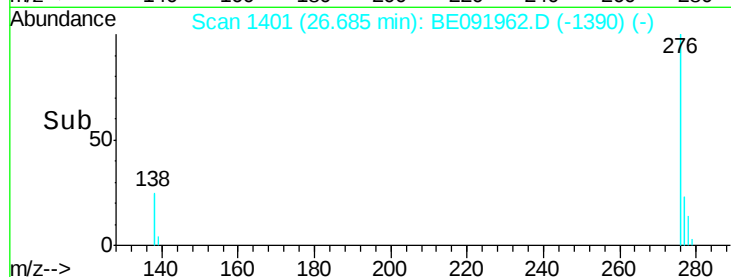
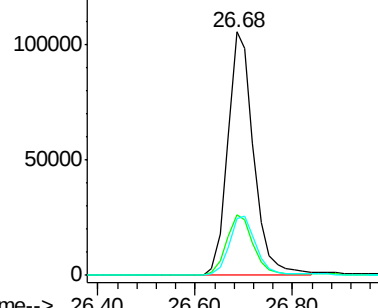
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 1.79 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BE091962.D
 Acq: 5 Jul 2016 11:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 391918
 Ion Ratio Lower Upper
 276 100
 138 25.7 19.7 29.5
 277 24.9 20.1 30.1

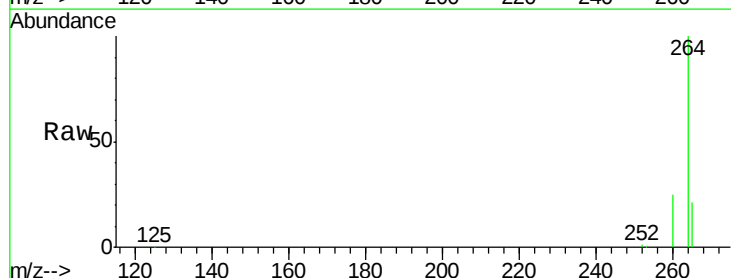


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

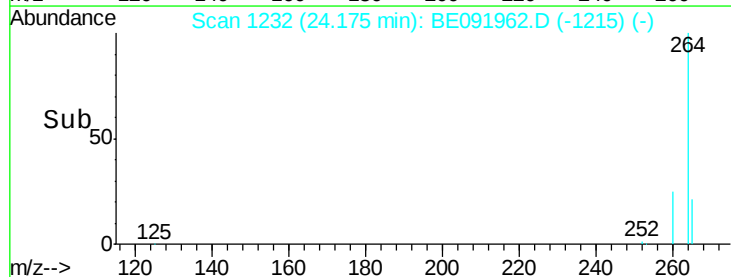
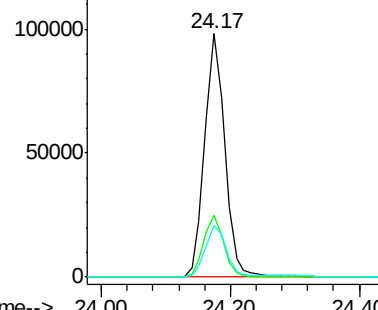


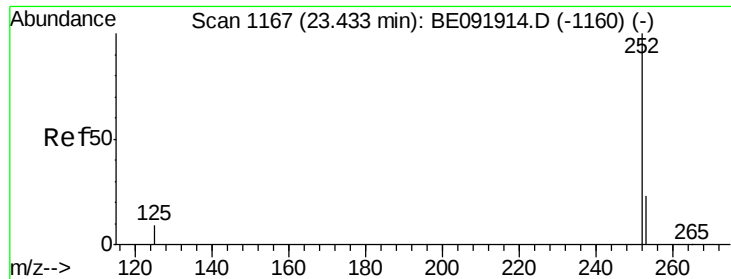
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091962.D
 Acq: 5 Jul 2016 11:23

Tgt Ion:264 Resp: 211528
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.3 30.5
 265 21.4 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: 1.73 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :

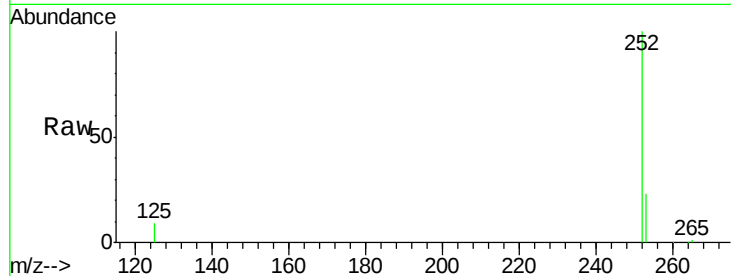
Tot Ion:252 Resp: 94036

Ion Ratio Lower Upper

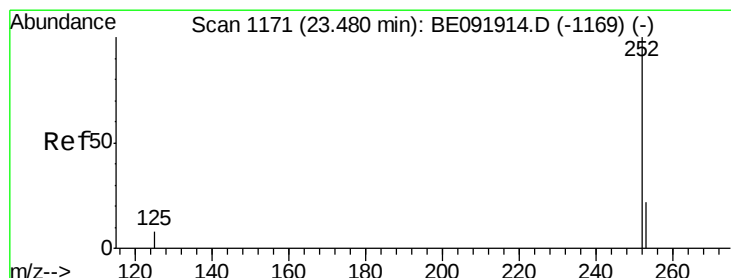
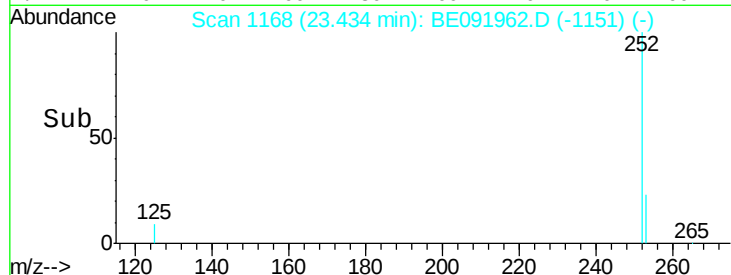
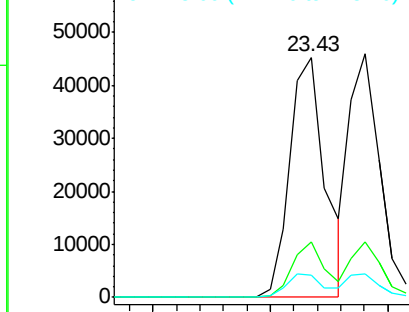
252 100

253 23.3 17.8 26.6

125 9.1 9.4 14.2#



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



#42

Benzo(k)fluoranthene

Concen: 1.69 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

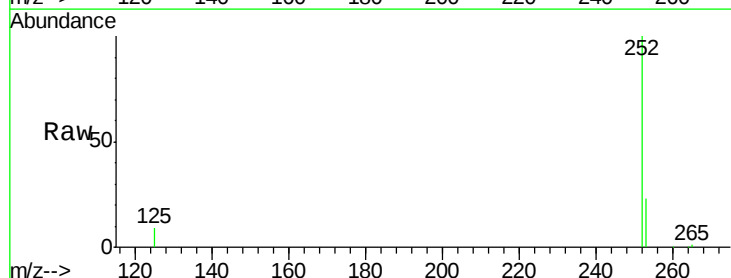
Tgt Ion:252 Resp: 84053

Ion Ratio Lower Upper

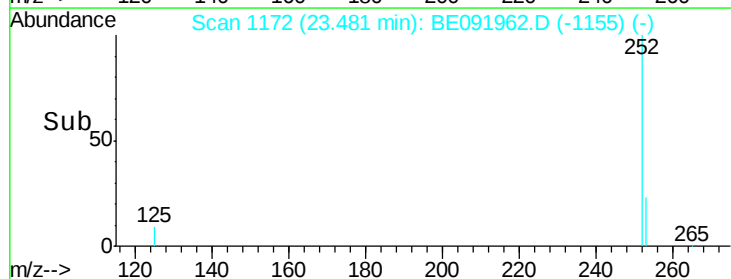
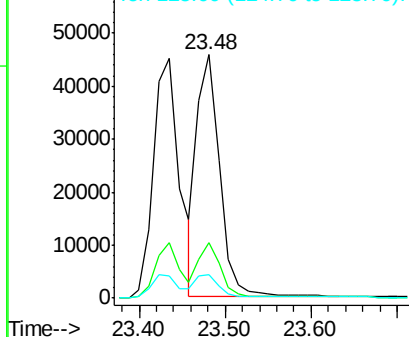
252 100

253 23.0 19.4 29.2

125 9.4 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

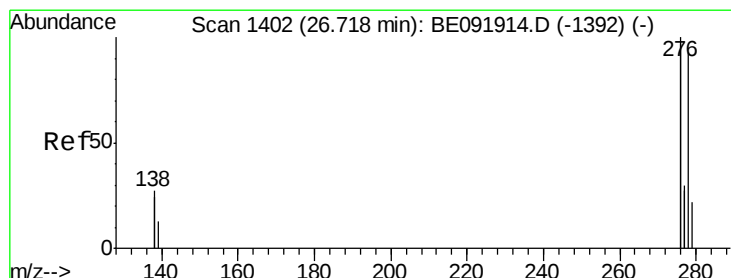
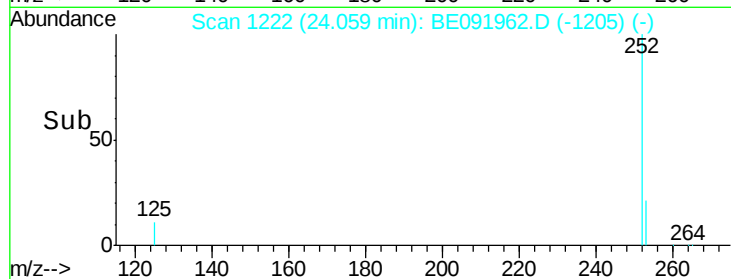
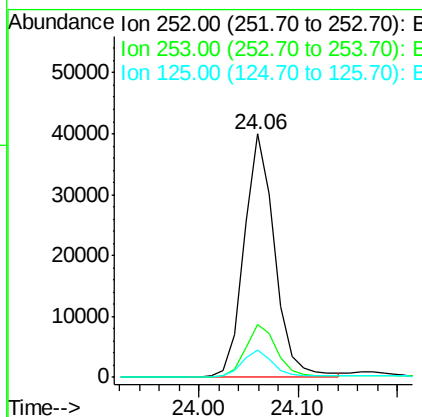
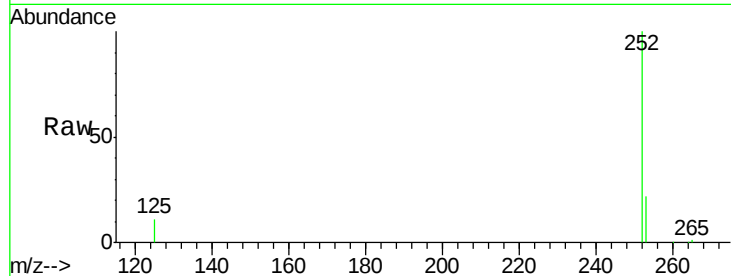




#43
Benzo(a)pyrene
Concen: 1.77 ng
RT: 24.06 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE091962.D
Acq: 5 Jul 2016 11:23

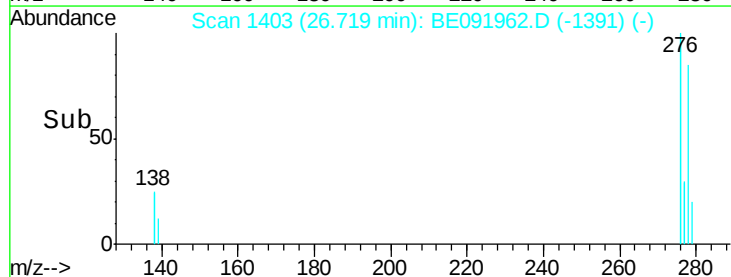
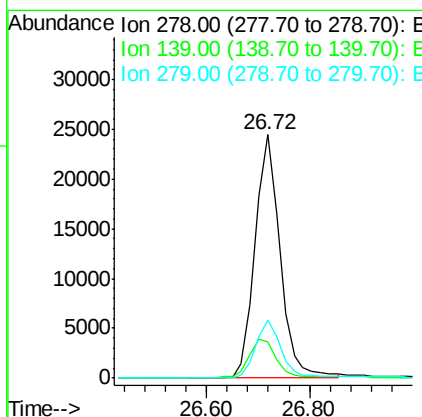
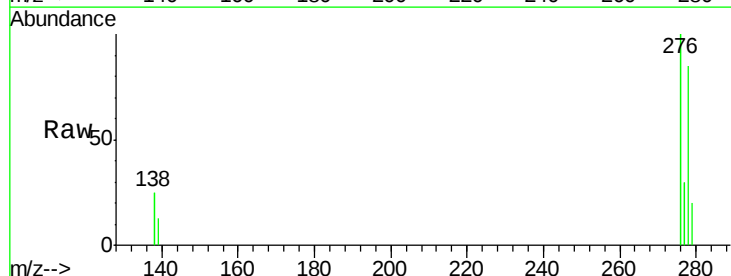
Instrument :
BNA_E
ClientSampleId :

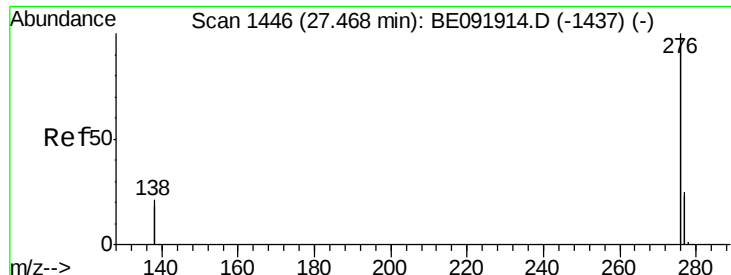
Tot Ion:252 Resp: 84055
Ion Ratio Lower Upper
252 100
253 21.8 18.9 28.3
125 11.3 10.5 15.7



#44
Dibenzo(a,h)anthracene
Concen: 1.76 ng
RT: 26.72 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BE091962.D
Acq: 5 Jul 2016 11:23

Tgt Ion:278 Resp: 81393
Ion Ratio Lower Upper
278 100
139 14.7 12.6 18.8
279 23.8 20.0 30.0





#45

Benzo(a,h,i)perylene

Concen: 1.72 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

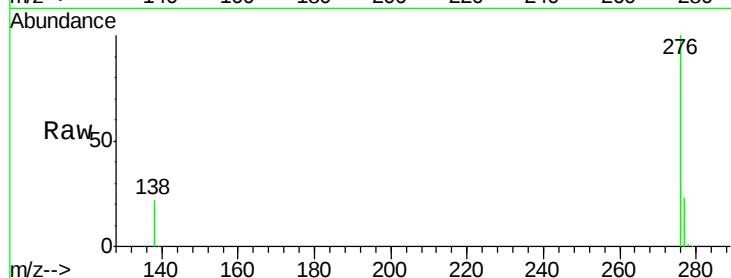
Lab File: BE091962.D

Acq: 5 Jul 2016 11:23

Instrument :

BNA_E

ClientSampleId :



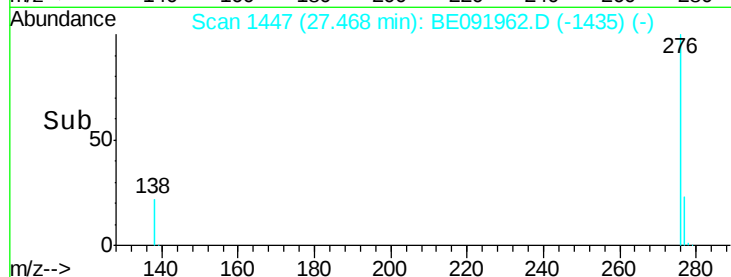
Tot Ion: 276 Resp: 328845

Ion Ratio Lower Upper

276 100

277 23.2 19.5 29.3

138 22.5 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

