

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091961.D
 Acq On : 5 Jul 2016 10:44
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 12:35:45 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	23318	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	109806	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	83624	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	165736	5.00	ng	0.00
31) Chrysene-d12	21.76	240	251969	5.00	ng	0.00
40) Perylene-d12	24.17	264	207298	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	4265	0.94	ng	0.00
5) Phenol-d6	7.37	99	5811	0.98	ng	0.00
9) Nitrobenzene-d5	9.37	82	5869	0.77	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	1705	1.00	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	16366	0.77	ng	0.00
34) Terphenyl-d14	20.22	244	24079	0.78	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	2459	0.75	ng	95
3) n-Nitrosodimethylamine	3.82	42	2778	0.74	ng	# 89
6) bis(2-Chloroethyl)ether	7.61	93	5453	0.82	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	4860	0.92	ng	# 100
10) Nitrobenzene	9.40	77	6431	0.85	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	7864	0.82	ng	# 21
12) Naphthalene	11.04	128	20015	0.83	ng	96
13) Hexachlorobutadiene	11.34	225	3138	0.81	ng	99
14) 2-Methylnaphthalene	12.68	142	12944	0.80	ng	98
18) Acenaphthylene	14.56	152	77863	0.92	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	13604	1.00	ng	# 10
20) Acenaphthene	14.92	154	18258	0.78	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	14909	1.18	ng	# 1
22) Fluorene	15.90	166	18741	0.81	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	9495	0.83	ng	98
25) 4-Bromophenyl-phenylether	16.78	248	5547	0.87	ng	97
26) Hexachlorobenzene	16.90	284	5553	0.84	ng	98
27) Pentachlorophenol	17.26	266	1350	0.75	ng	96
28) Phenanthrene	17.64	178	33550	0.81	ng	99
29) Anthracene	17.73	178	30811	0.84	ng	100
30) Fluoranthene	19.65	202	137383	0.77	ng	# 86
32) Benzidine	19.83	184	10862	1.27	ng	97
33) Pyrene	20.02	202	146017	0.85	ng	# 74
35) Benzo(a)anthracene	21.78	228	77715	1.96	ng	# 86
36) 3,3'-Dichlorobenzidine	21.70	252	9659	1.51	ng	100
37) Chrysene	21.78	228	78719	1.36	ng	97
38) Bis(2-ethylhexyl)phthalate	21.67	149	38738	1.32	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	193145	0.98	ng	98
41) Benzo(b)fluoranthene	23.43	252	44784	0.84	ng	98
42) Benzo(k)fluoranthene	23.48	252	42101	0.86	ng	96
43) Benzo(a)pyrene	24.06	252	41556	0.89	ng	97
44) Dibenzo(a,h)anthracene	26.72	278	39617	0.88	ng	98
45) Benzo(a,h,i)perylene	27.47	276	159063	0.85	ng	98

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Quant Time: Jul 05 12:35:45 2016
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QLast Update : Tue Jul 05 12:29:44 2016
Response via : Initial Calibration

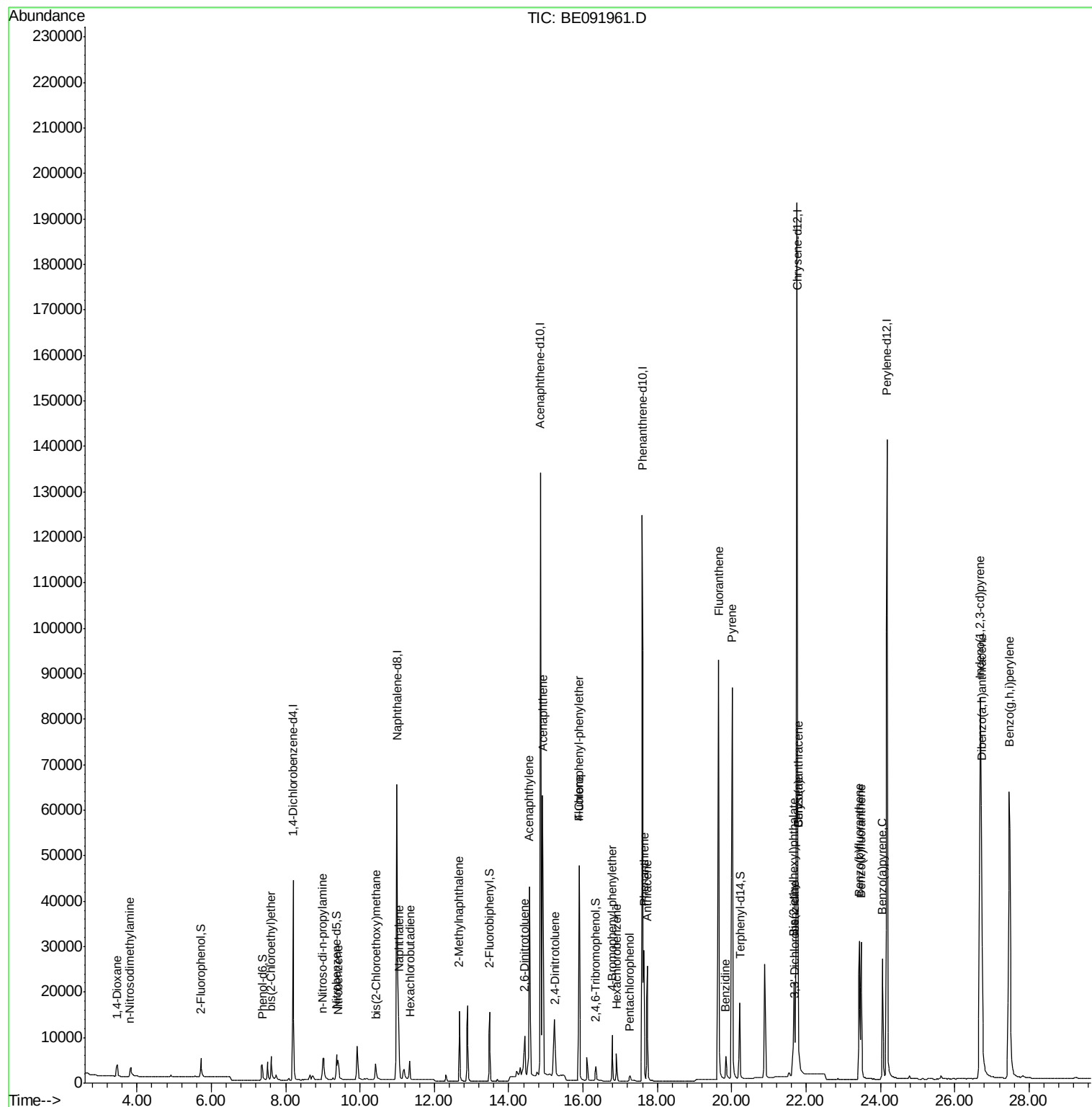
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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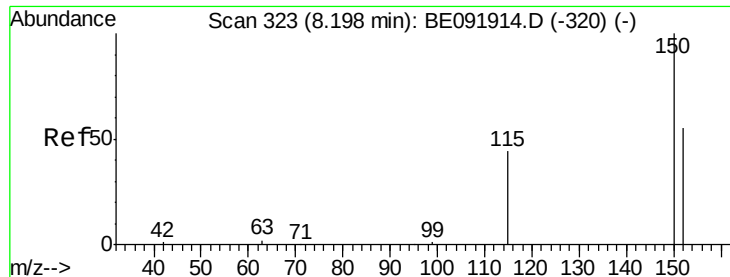
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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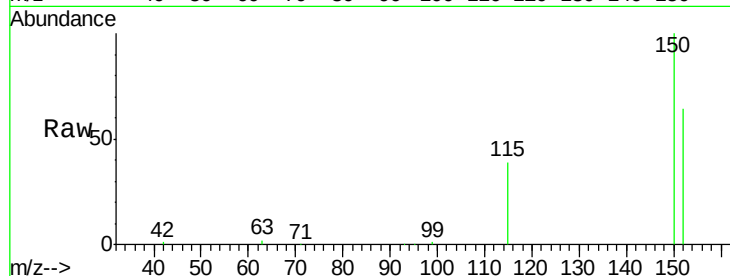


#1

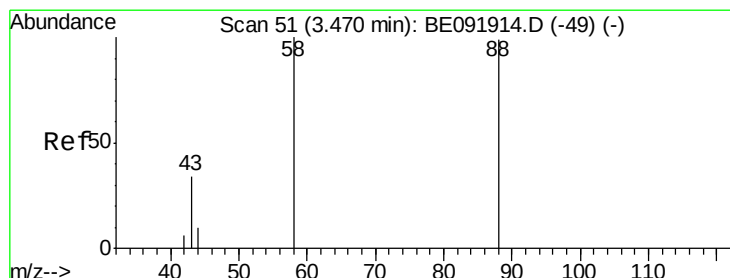
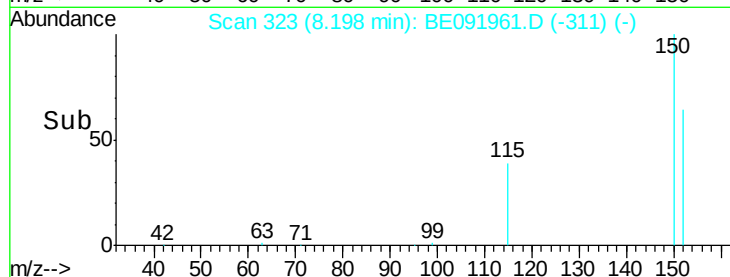
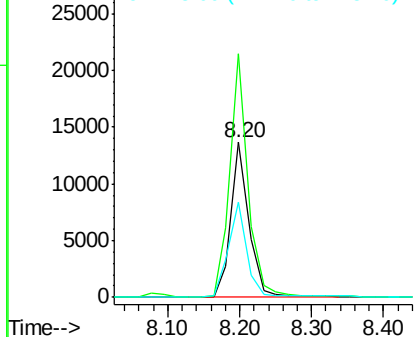
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 23318
Ion Ratio Lower Upper
152 100
150 157.0 123.9 185.9
115 61.2 48.3 72.5



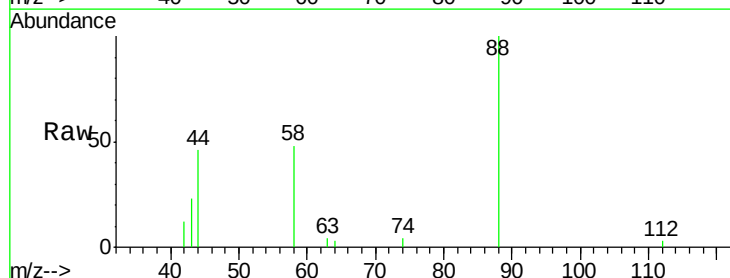
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



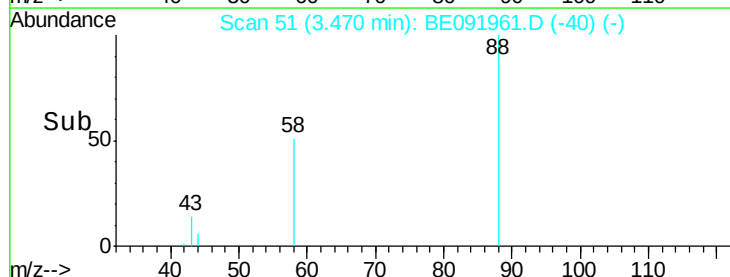
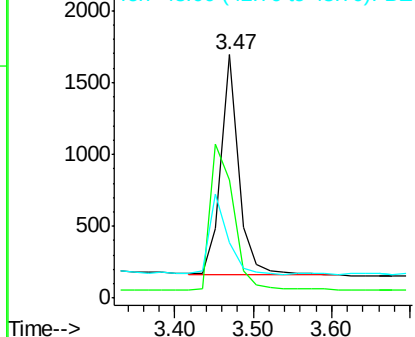
#2

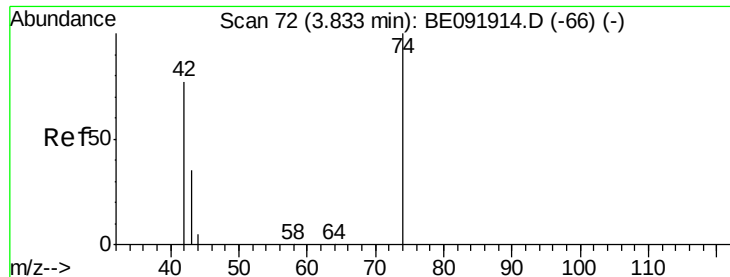
1,4-Dioxane
Concen: 0.75 ng
RT: 3.47 min Scan# 51
Delta R.T. -0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Tgt Ion: 88 Resp: 2459
Ion Ratio Lower Upper
88 100
58 85.5 63.0 94.4
43 36.3 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: 0.74 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

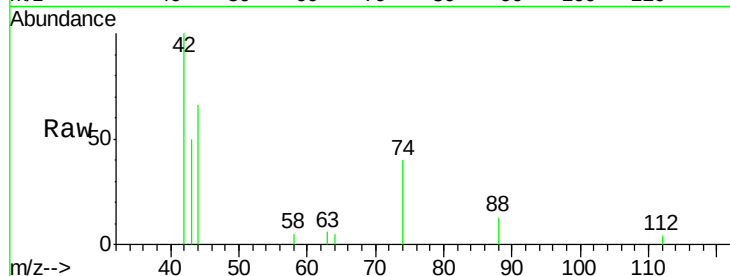
Tot Ion: 42 Resp: 2778

Ion Ratio Lower Upper

42 100

74 104.8 93.4 140.0

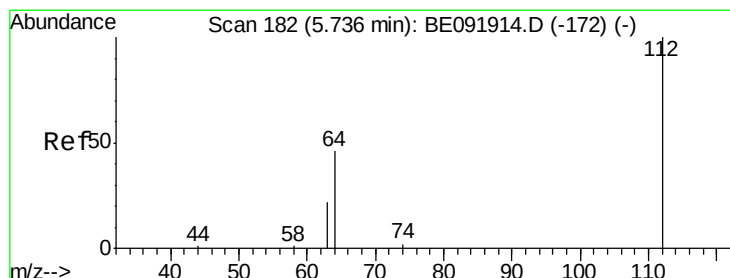
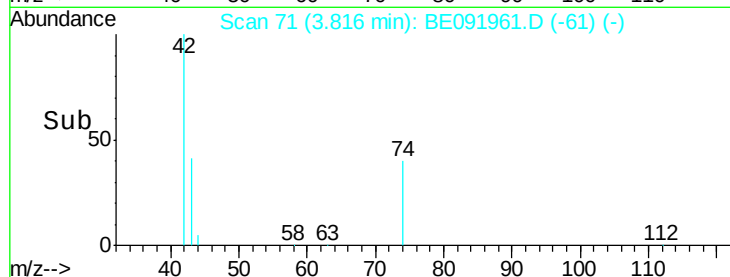
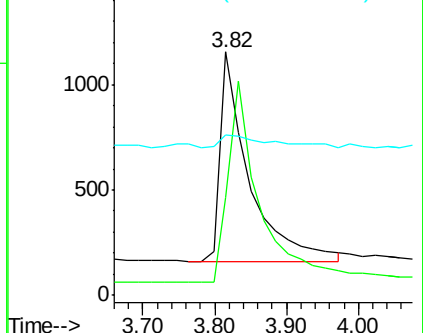
44 11.1 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.94 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

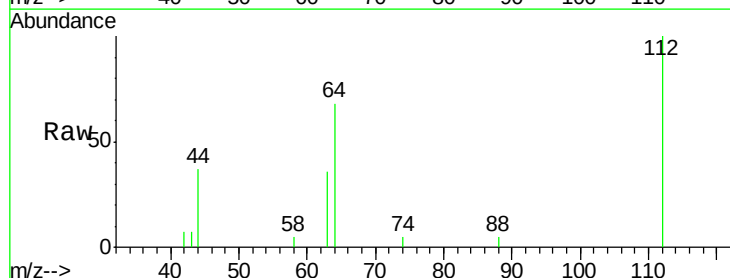
Tgt Ion: 112 Resp: 4265

Ion Ratio Lower Upper

112 100

64 67.1 53.7 80.5

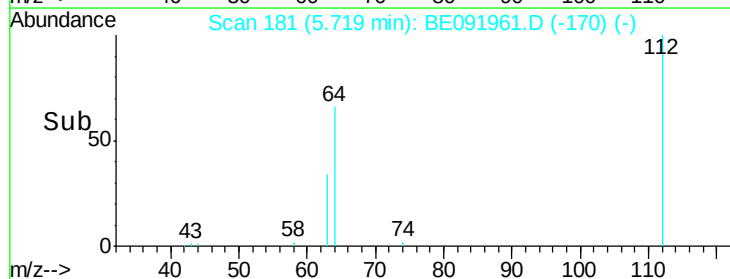
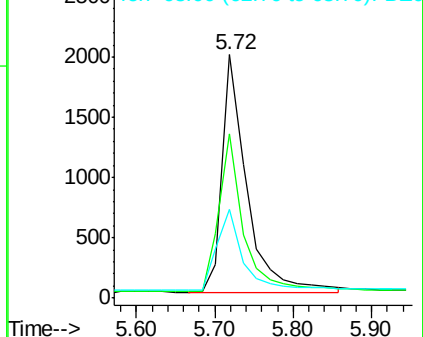
63 36.4 29.5 44.3

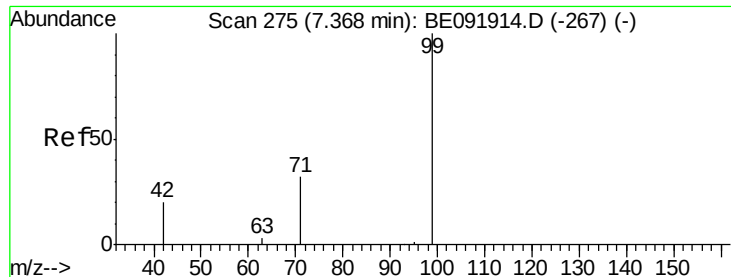


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.98 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

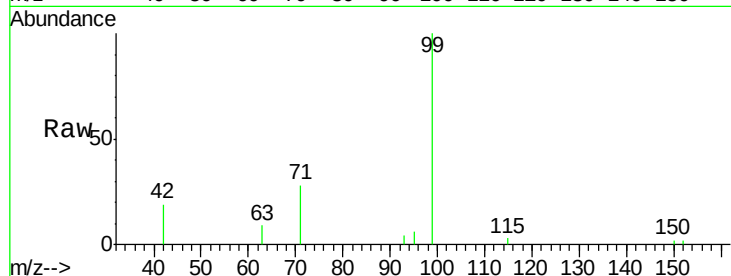
Tot Ion: 99 Resp: 5811

Ion Ratio Lower Upper

99 100

42 25.4 19.6 29.4

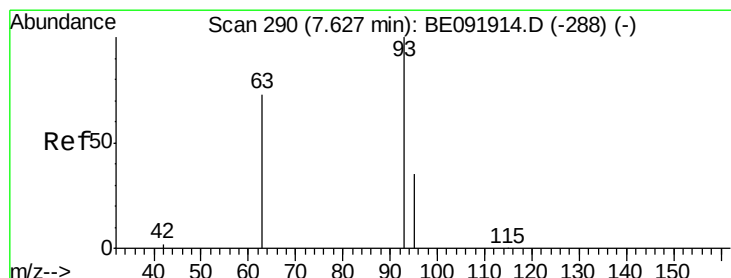
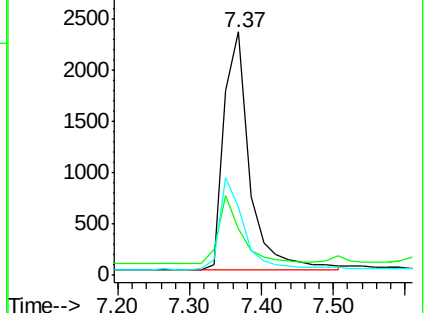
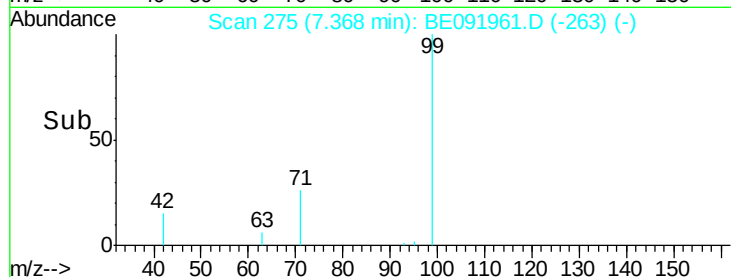
71 35.8 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.82 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

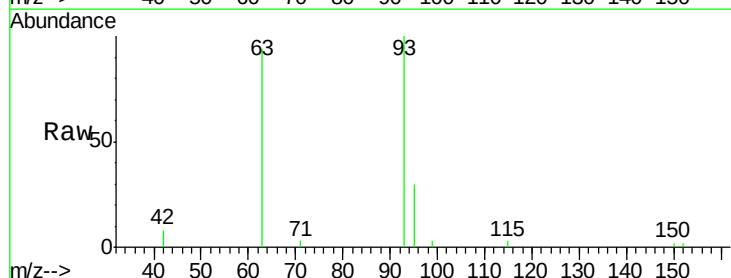
Tgt Ion: 93 Resp: 5453

Ion Ratio Lower Upper

93 100

63 80.1 66.2 99.4

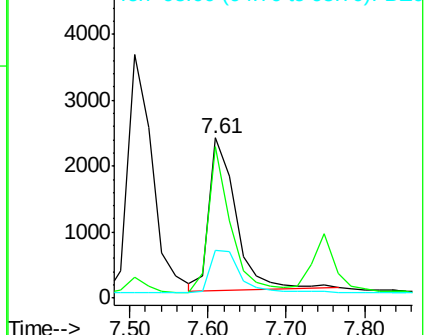
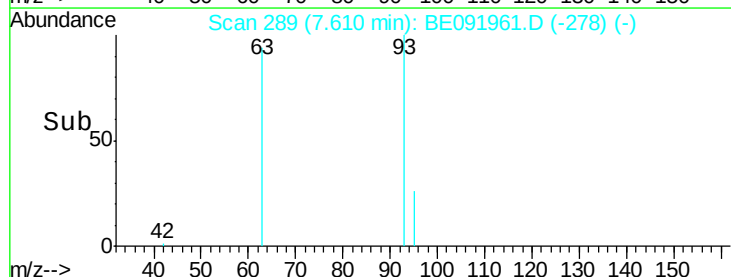
95 32.8 25.5 38.3

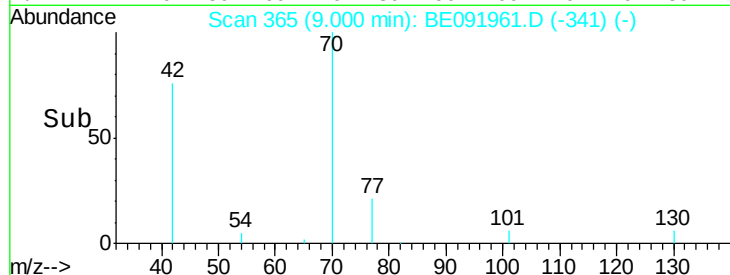
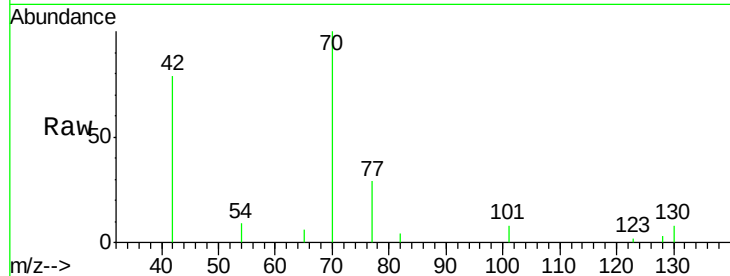
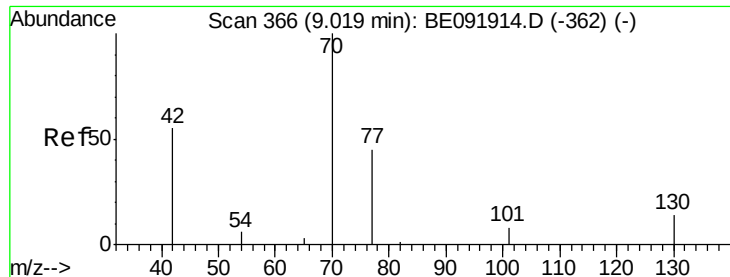


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.92 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 4860

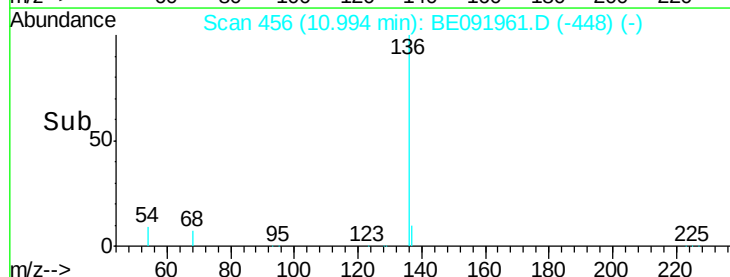
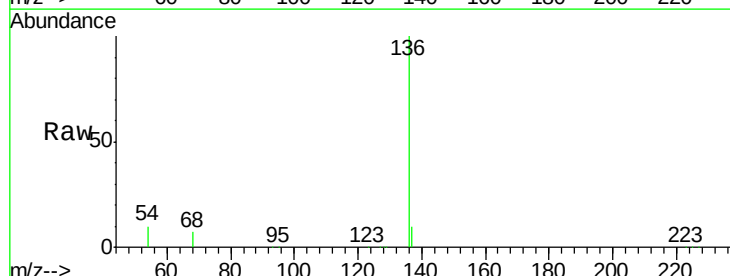
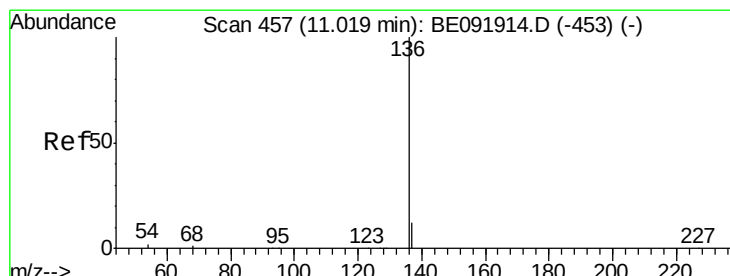
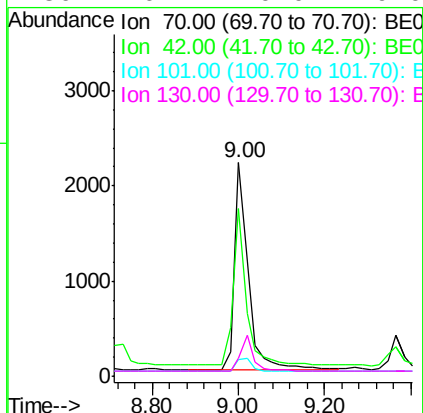
Ion Ratio Lower Upper

70 100

42 73.2 58.4 87.6

101 8.0 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: BE091961.D

Acq: 5 Jul 2016 10:44

Tgt Ion: 136 Resp: 109806

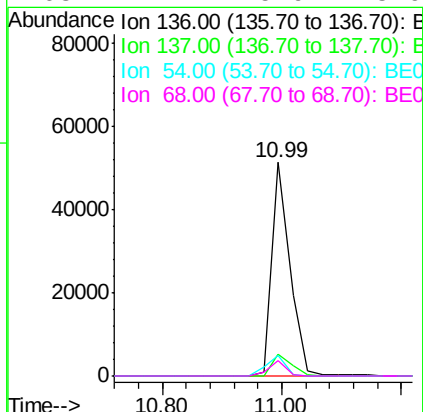
Ion Ratio Lower Upper

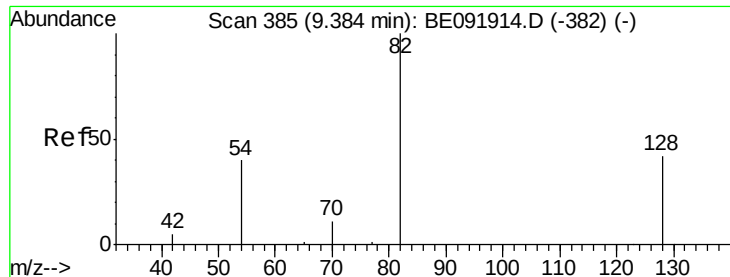
136 100

137 10.2 8.3 12.5

54 9.5 8.2 12.4

68 7.1 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.77 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampled :

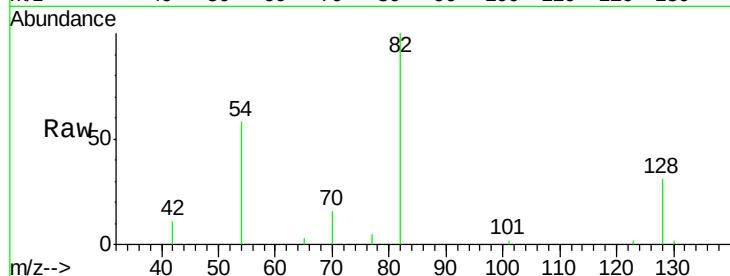
Tot Ion: 82 Resp: 5869

Ion Ratio Lower Upper

82 100

128 30.6 39.5 59.3#

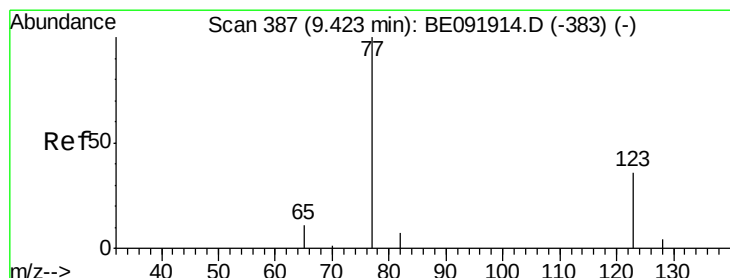
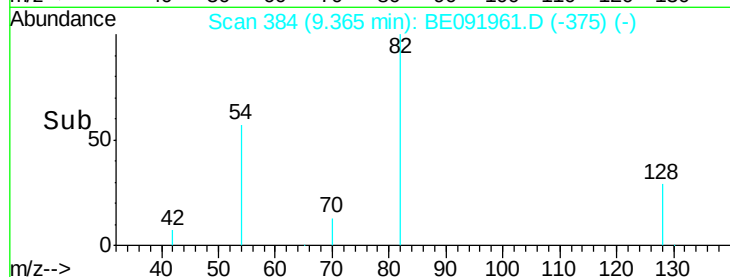
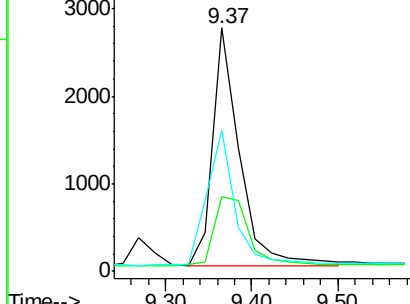
54 58.3 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.85 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

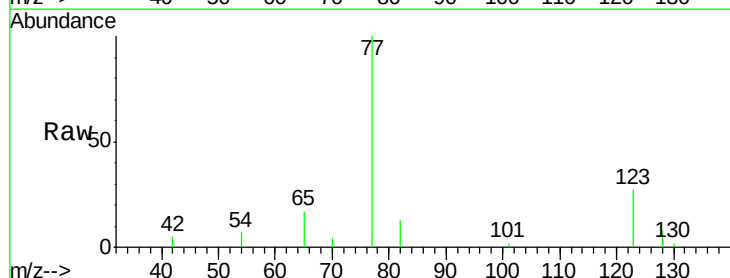
Tgt Ion: 77 Resp: 6431

Ion Ratio Lower Upper

77 100

123 37.9 0.0 0.0#

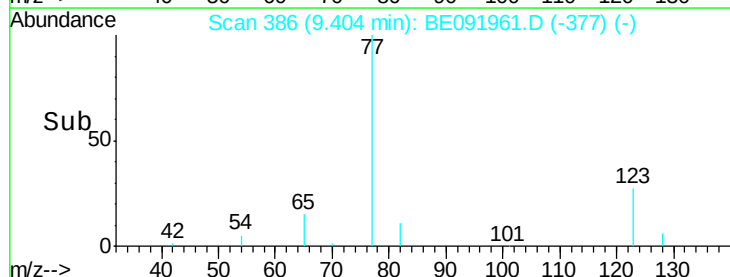
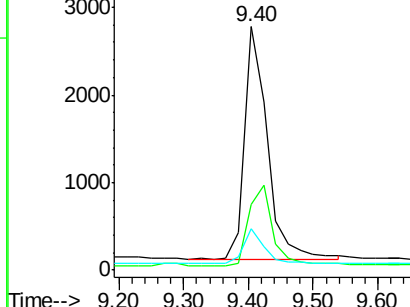
65 14.2 11.1 16.7

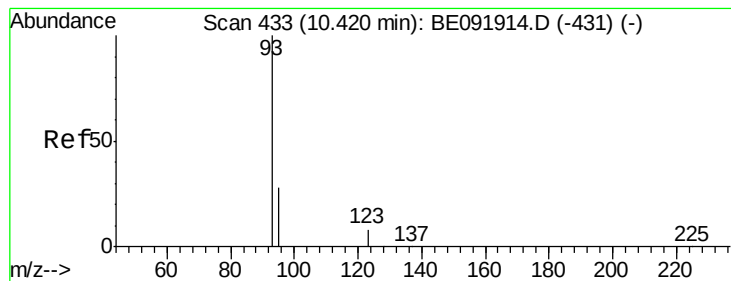


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

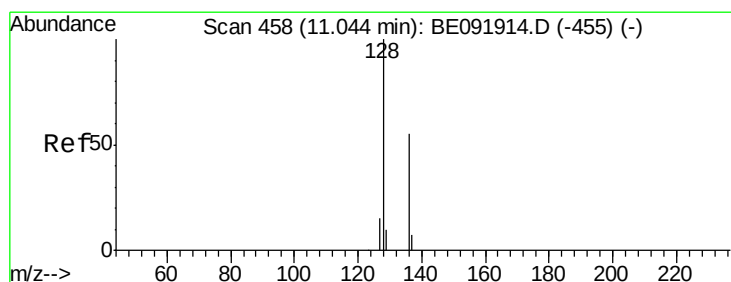
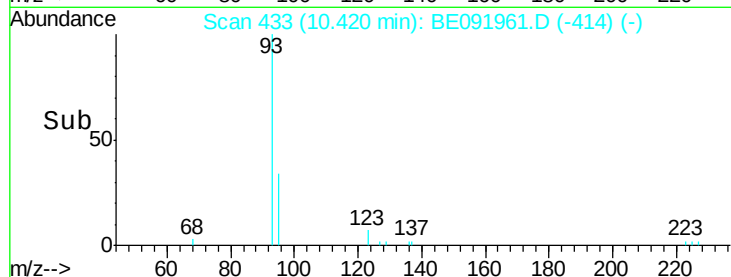
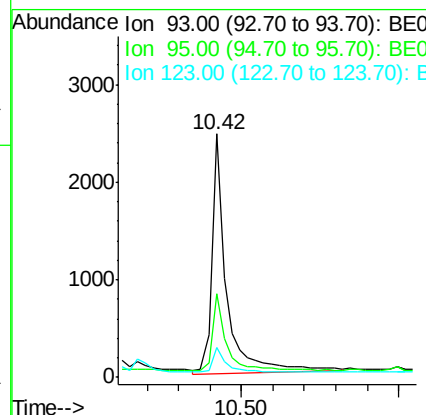
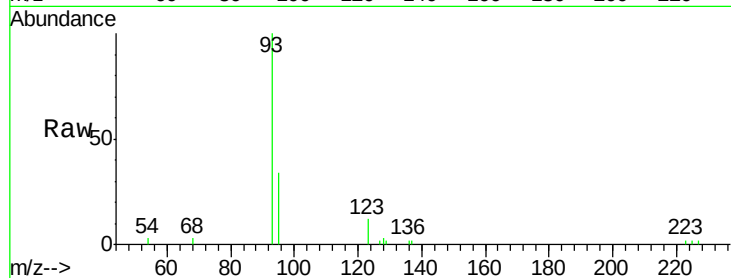




#11
bis(2-Chloroethoxy)methane
Concen: 0.82 ng
RT: 10.42 min Scan# 433
Delta R.T. -0.03 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

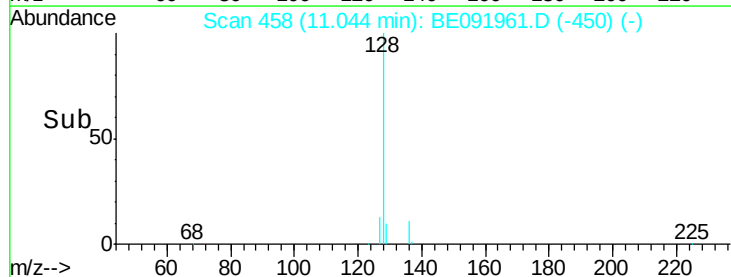
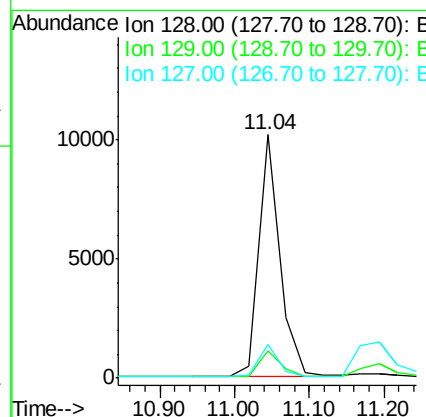
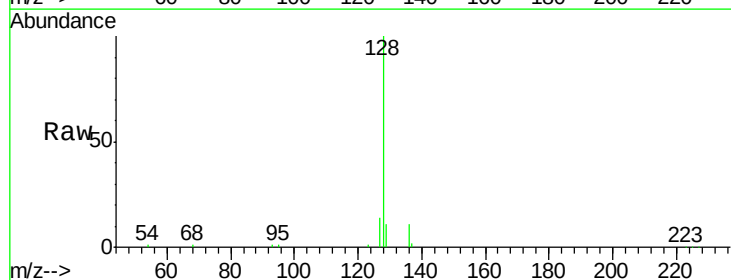
Instrument :
BNA_E
ClientSampleId :

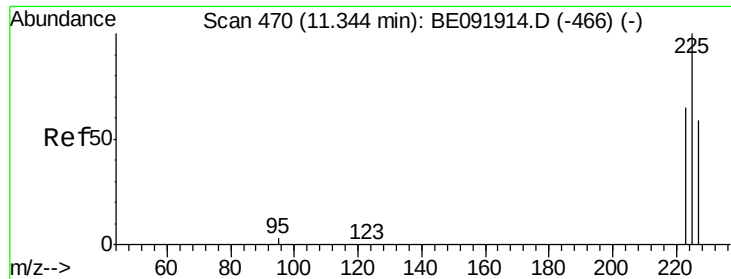
Tot Ion: 93 Resp: 7864
Ion Ratio Lower Upper
93 100
95 38.4 57.6 86.4#
123 9.7 100.2 150.4#



#12
Naphthalene
Concen: 0.83 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Tgt Ion: 128 Resp: 20015
Ion Ratio Lower Upper
128 100
129 11.0 10.4 15.6
127 13.9 10.2 15.2

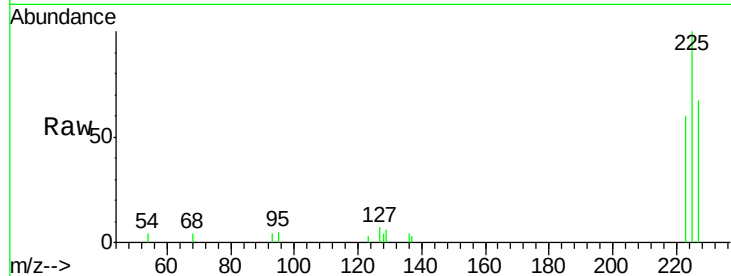




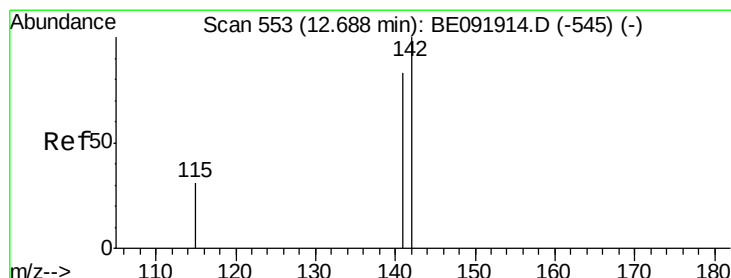
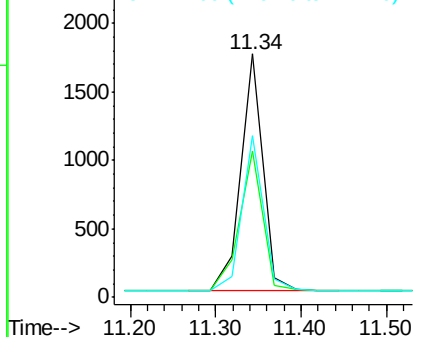
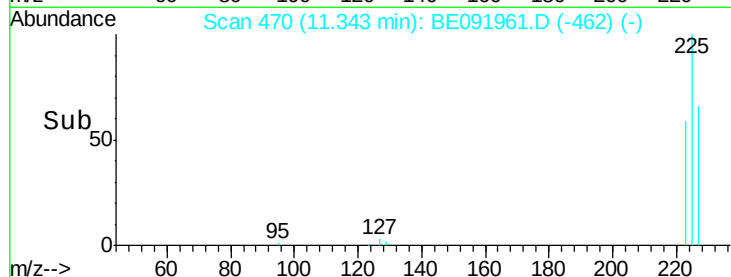
#13
Hexachlorobutadiene
Concen: 0.81 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 3138
Ion Ratio Lower Upper
225 100
223 62.2 49.8 74.8
227 63.9 50.6 75.8

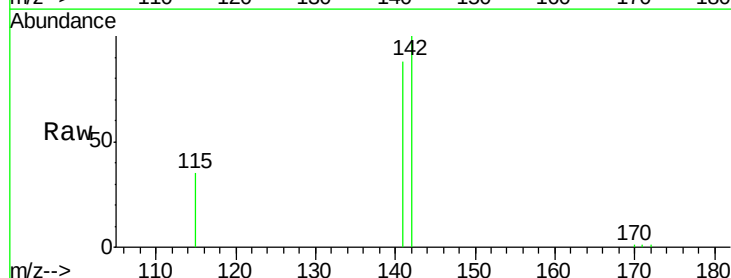


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

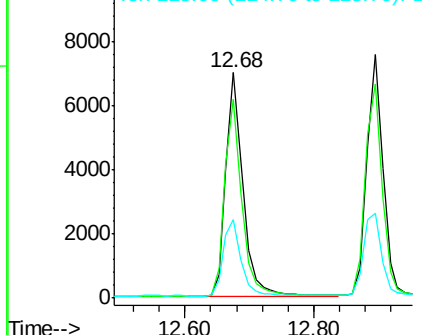
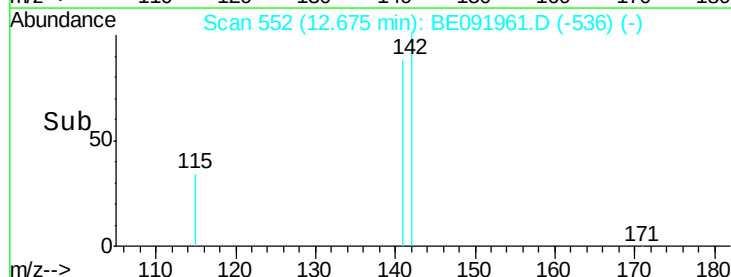


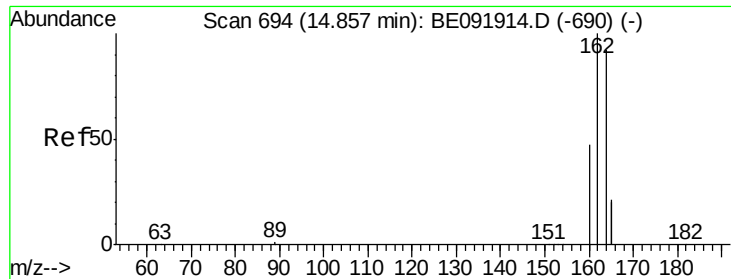
#14
2-Methylnaphthalene
Concen: 0.80 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Tgt Ion:142 Resp: 12944
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9
115 34.9 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

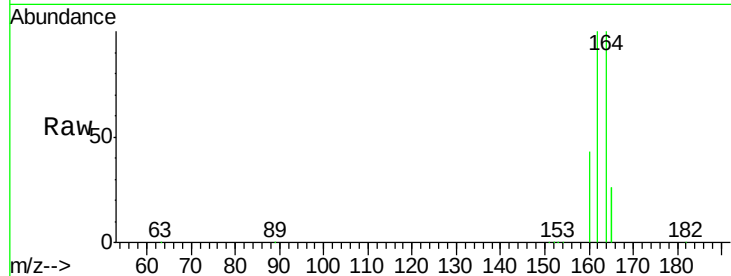
Tot Ion:164 Resp: 83624

Ion Ratio Lower Upper

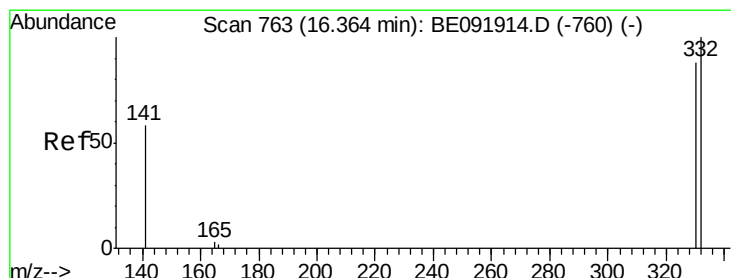
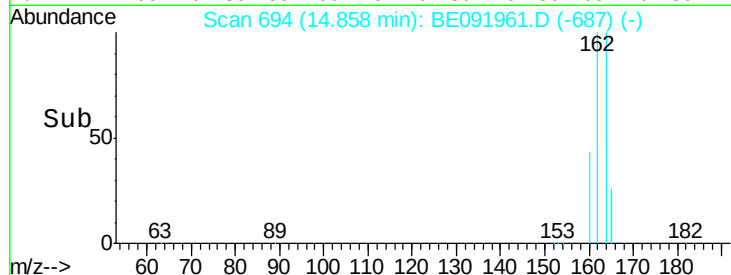
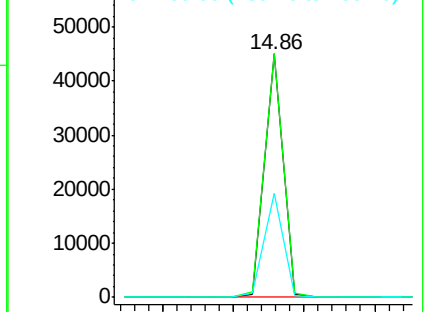
164 100

162 100.0 71.8 107.8

160 42.9 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: 1.00 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

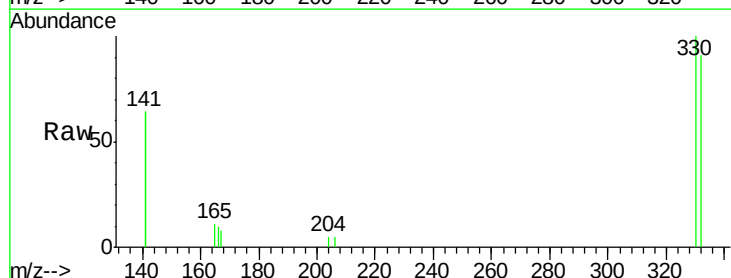
Tgt Ion:330 Resp: 1705

Ion Ratio Lower Upper

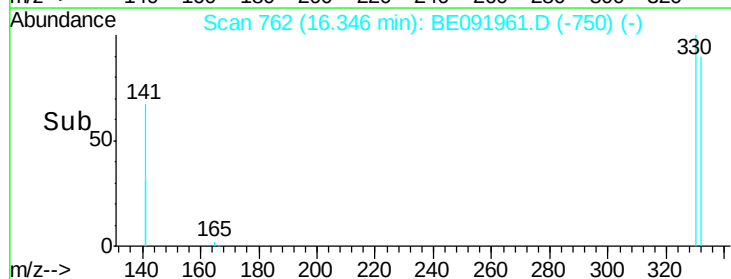
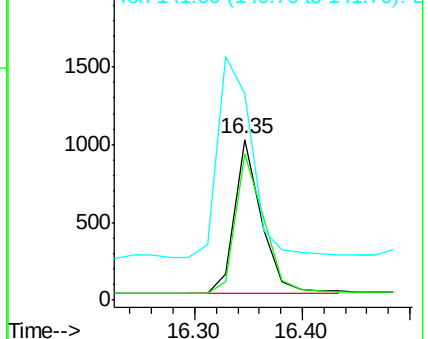
330 100

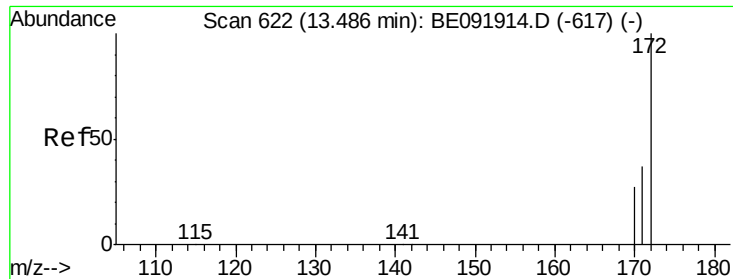
332 96.1 77.0 115.6

141 167.2 138.4 207.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

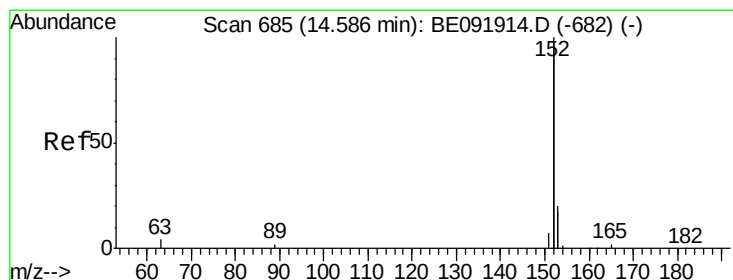
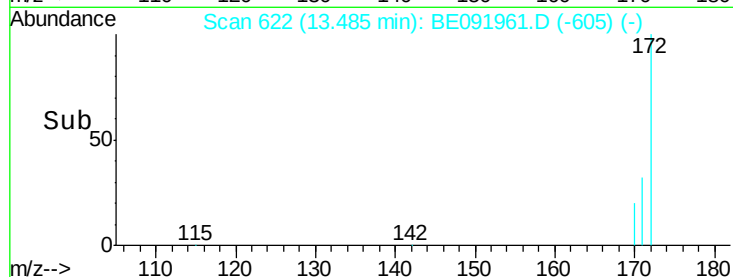
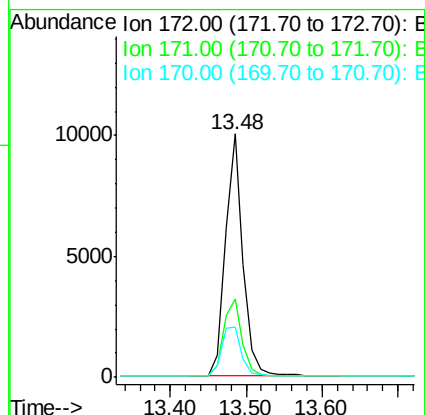
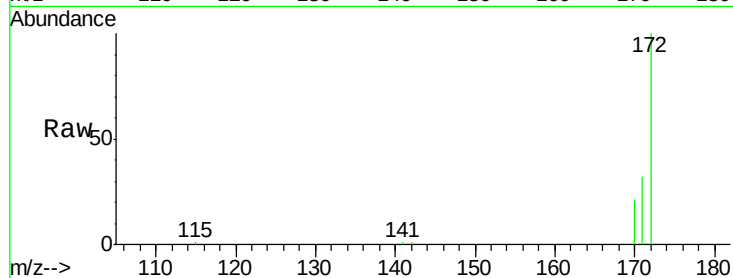




#17
2-Fluorobiphenyl
Concen: 0.77 ng
RT: 13.48 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

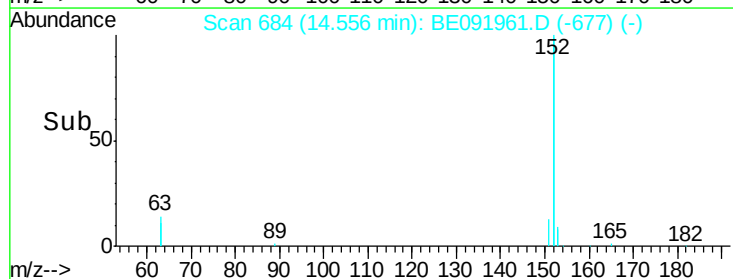
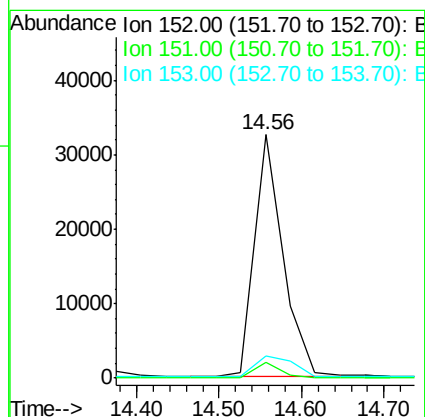
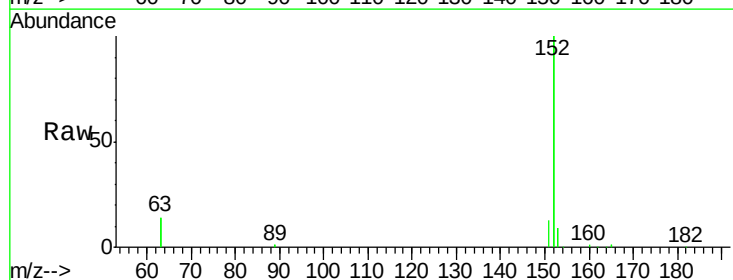
Instrument :
BNA_E
ClientSampleId :

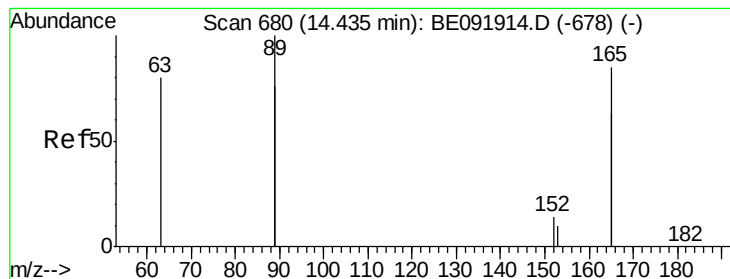
Tot Ion:172 Resp: 16366
Ion Ratio Lower Upper
172 100
171 32.5 24.3 36.5
170 20.5 14.9 22.3



#18
Acenaphthylene
Concen: 0.92 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Tgt Ion:152 Resp: 77863
Ion Ratio Lower Upper
152 100
151 5.7 19.4 29.2#
153 11.6 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 1.00 ng

RT: 14.44 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

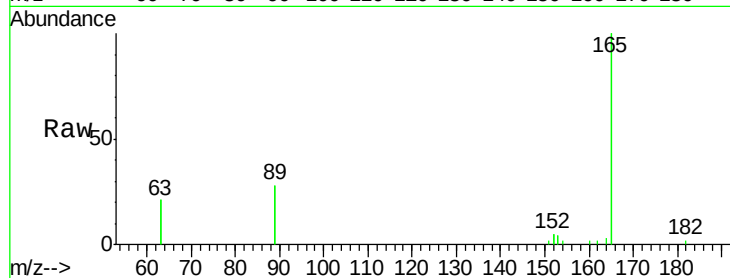
Tot Ion:165 Resp: 13604

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

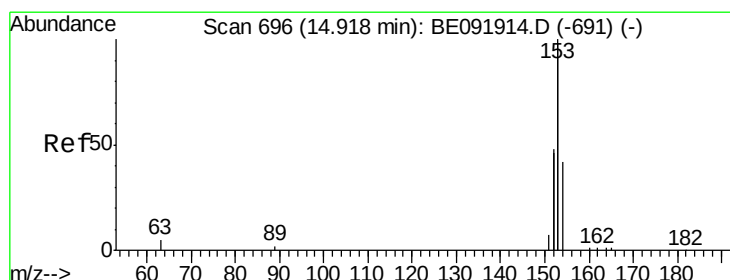
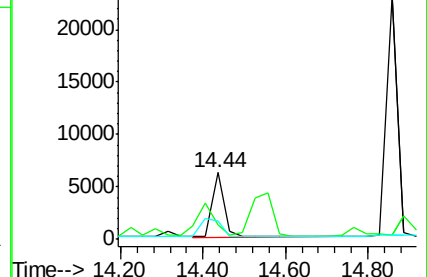
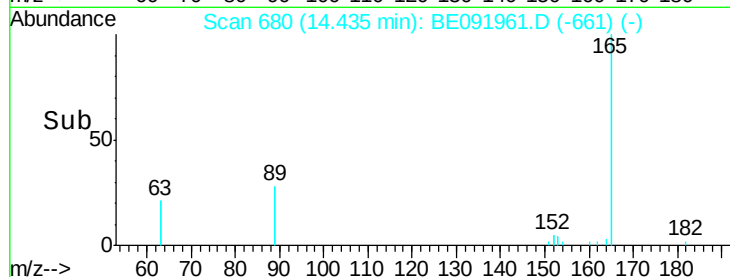
89 0.0 59.1 88.7#



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: 0.78 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

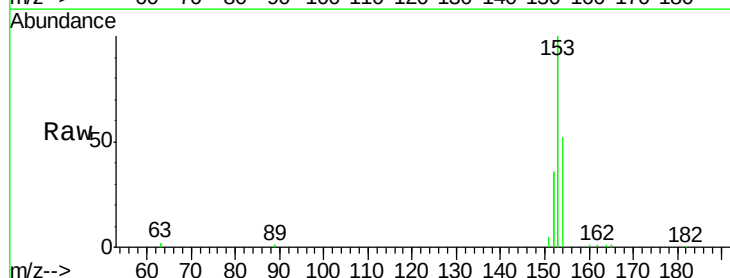
Tgt Ion:154 Resp: 18258

Ion Ratio Lower Upper

154 100

153 390.5 88.1 132.1#

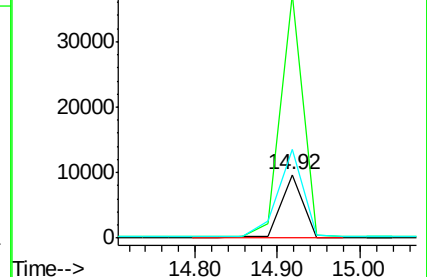
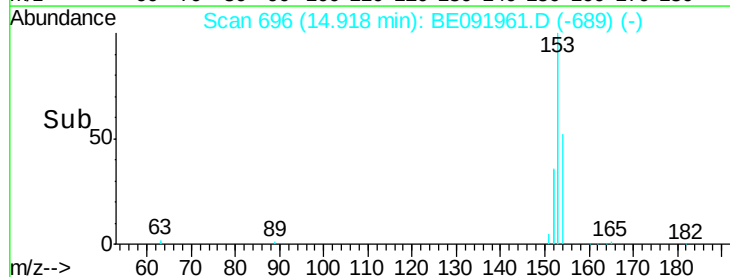
152 156.3 44.2 66.2#

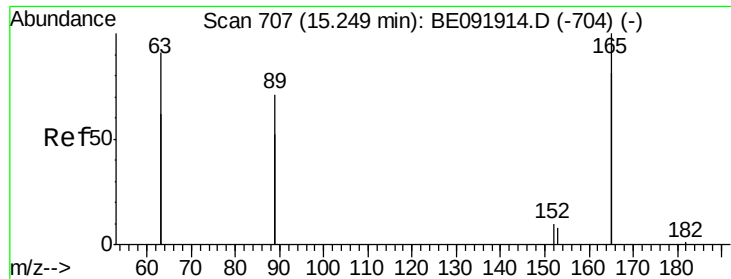


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

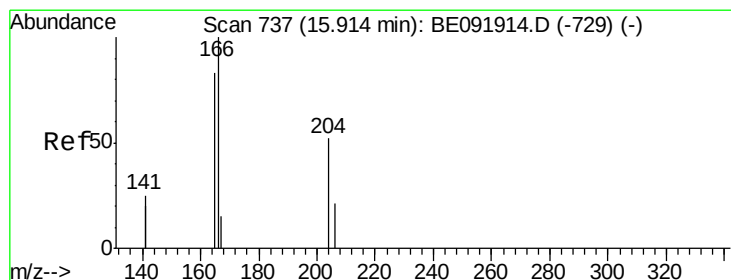
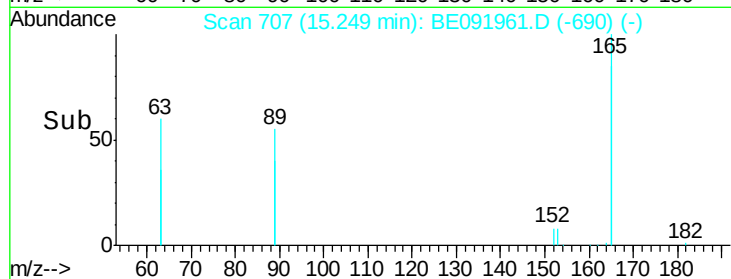
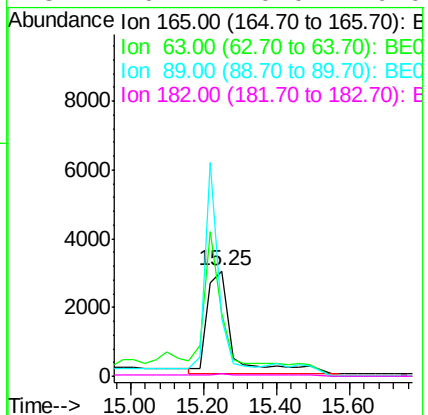
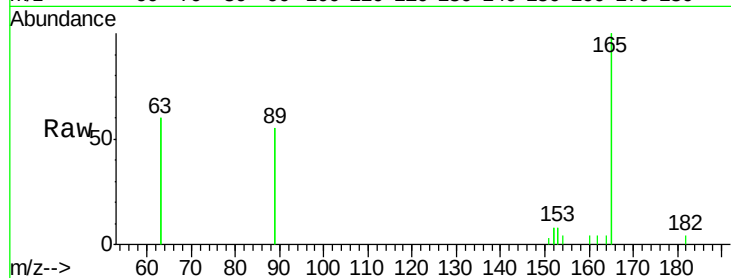




#21
2,4-Dinitrotoluene
Concen: 1.18 ng
RT: 15.25 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

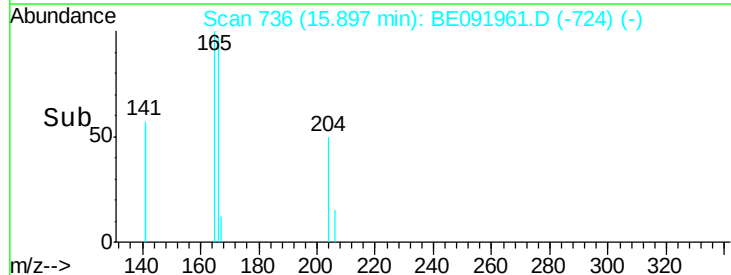
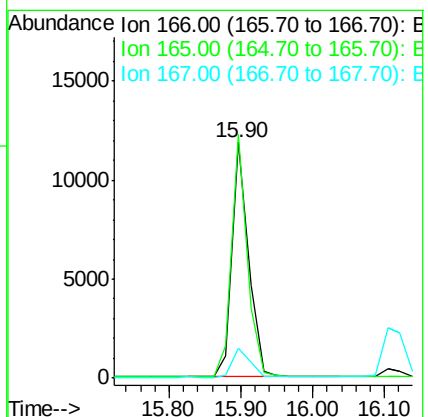
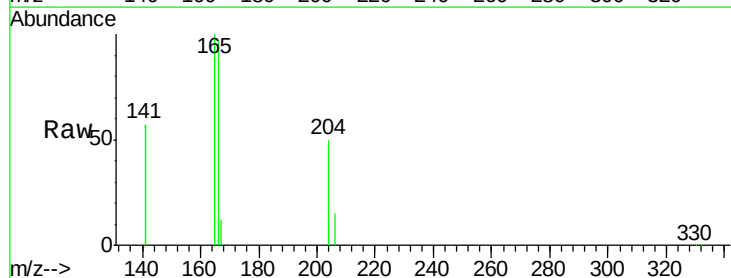
Instrument :
BNA_E
ClientSampleId :

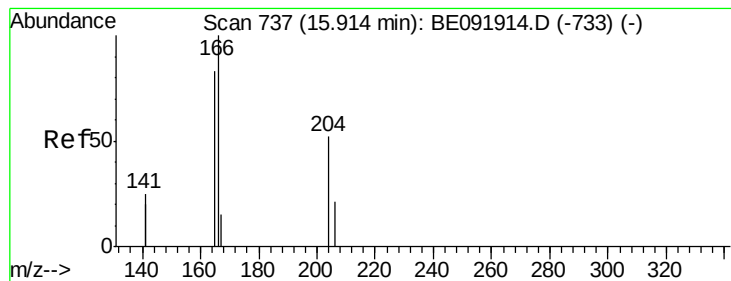
Tot Ion:165 Resp: 14909
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.4 0.0 0.0#



#22
Fluorene
Concen: 0.81 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091961.D
Acq: 5 Jul 2016 10:44

Tgt Ion:166 Resp: 18741
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 13.6 10.8 16.2





#23

4-Chlorophenyl-phenylether

Concen: 0.83 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampled :

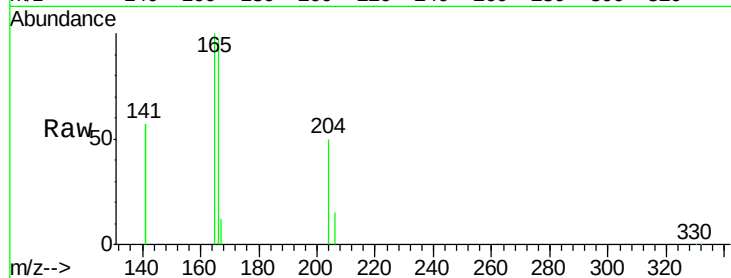
Tot Ion:204 Resp: 9495

Ion Ratio Lower Upper

204 100

206 33.2 27.8 41.6

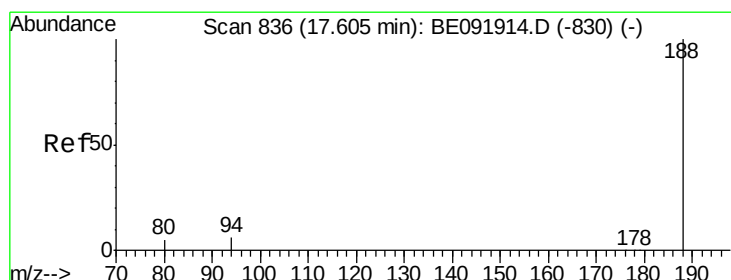
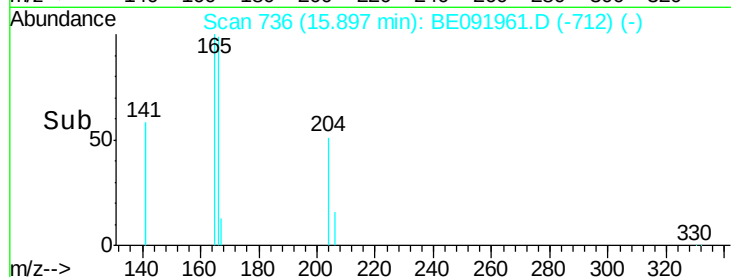
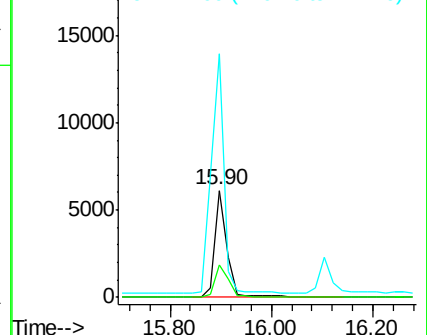
141 243.8 197.6 296.4



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: BE091961.D

Acq: 5 Jul 2016 10:44

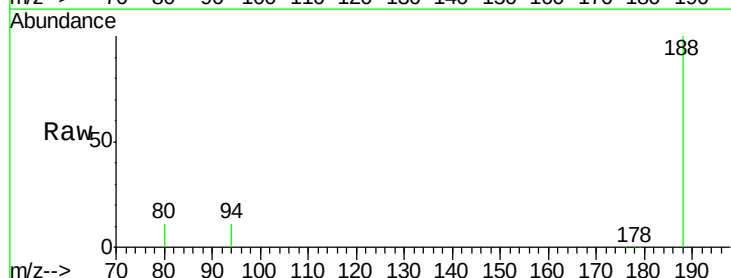
Tgt Ion:188 Resp: 165736

Ion Ratio Lower Upper

188 100

94 10.8 4.1 6.1#

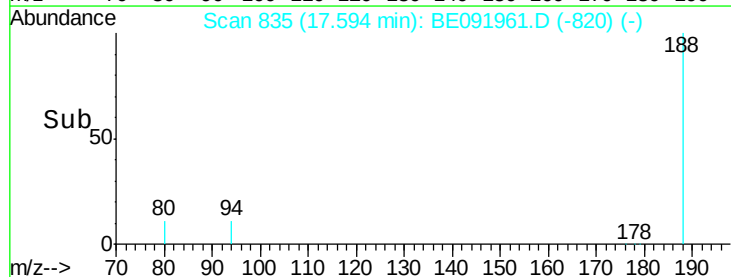
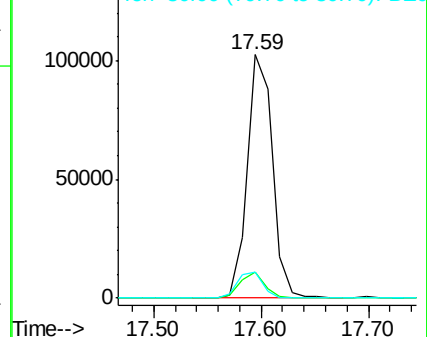
80 10.8 3.4 5.2#

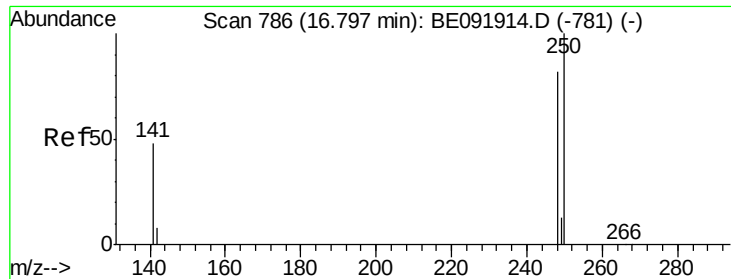


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 0.87 ng

RT: 16.78 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

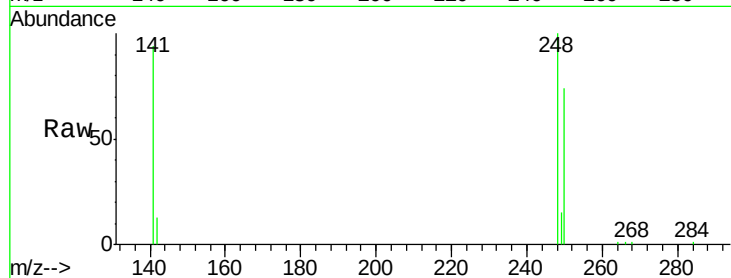
Tot Ion:248 Resp: 5547

Ion Ratio Lower Upper

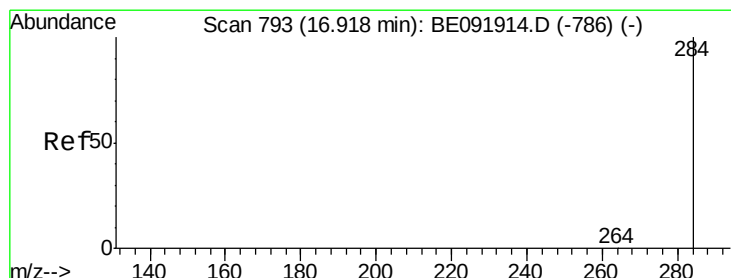
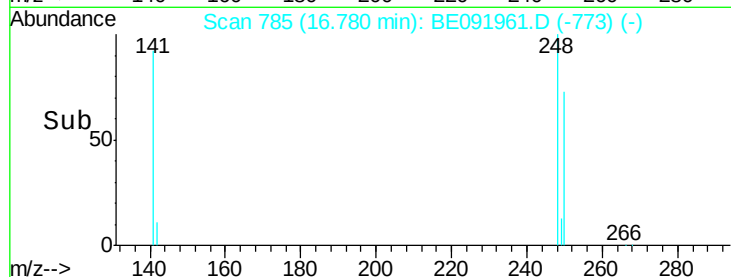
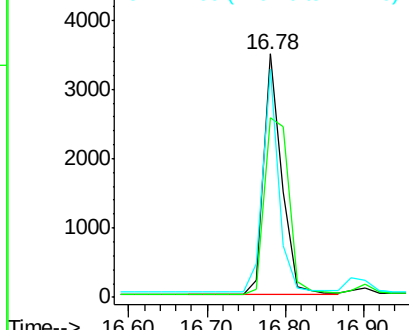
248 100

250 98.9 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: 0.84 ng

RT: 16.90 min Scan# 792

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

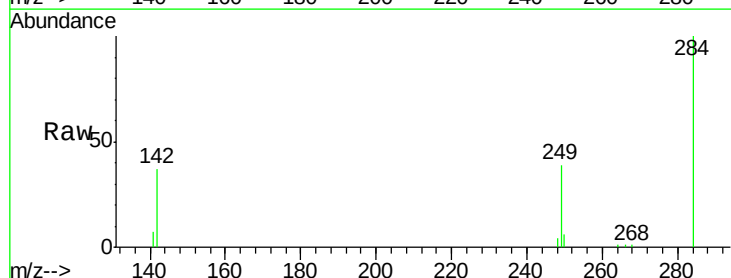
Tgt Ion:284 Resp: 5553

Ion Ratio Lower Upper

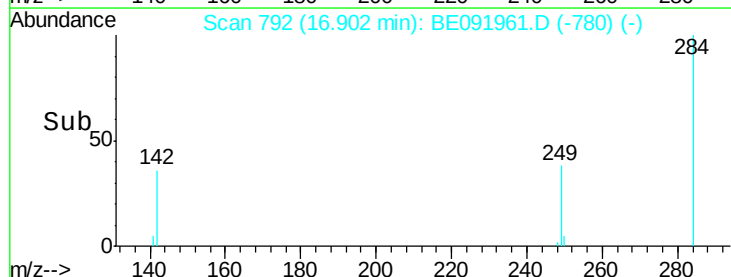
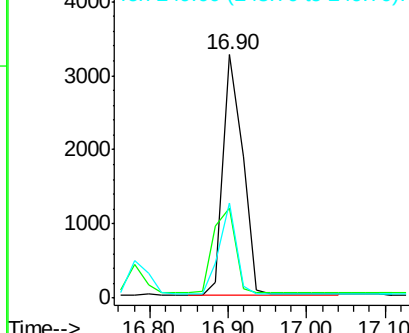
284 100

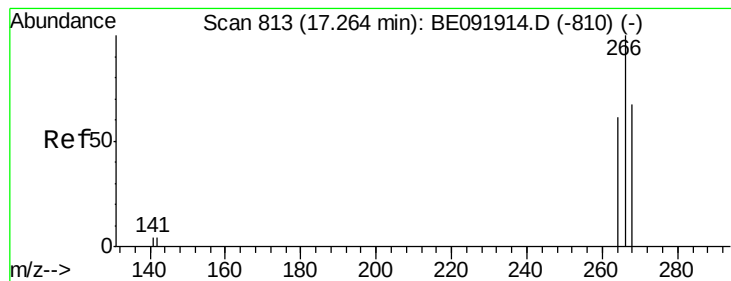
142 40.5 31.4 47.2

249 33.4 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: 0.75 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

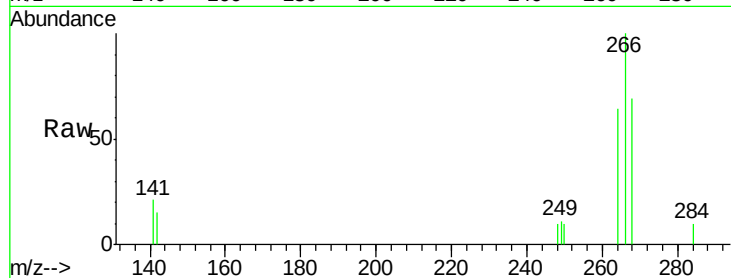
Tot Ion:266 Resp: 1350

Ion Ratio Lower Upper

266 100

268 69.2 60.5 90.7

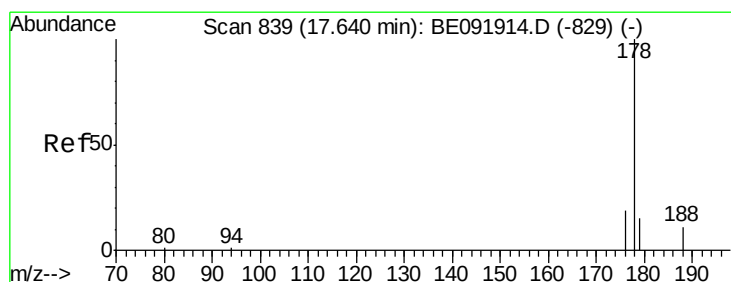
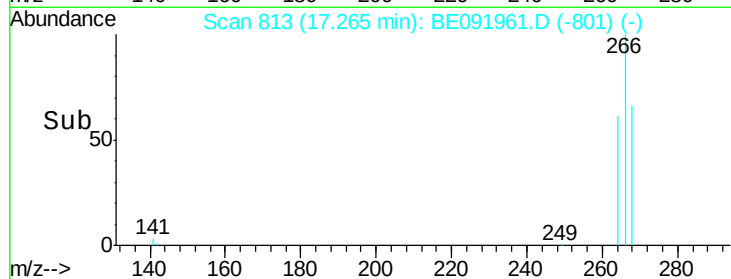
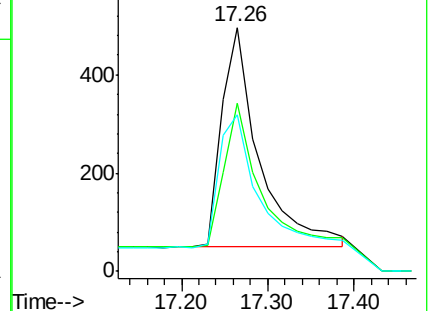
264 64.1 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.81 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

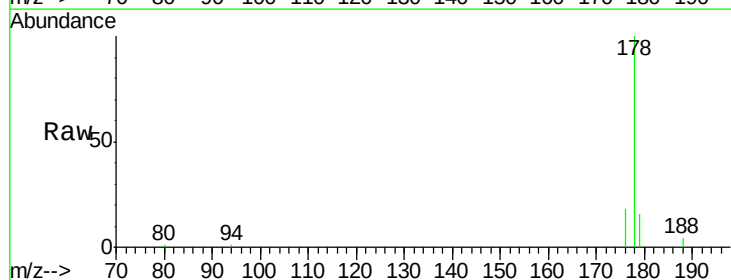
Tgt Ion:178 Resp: 33550

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

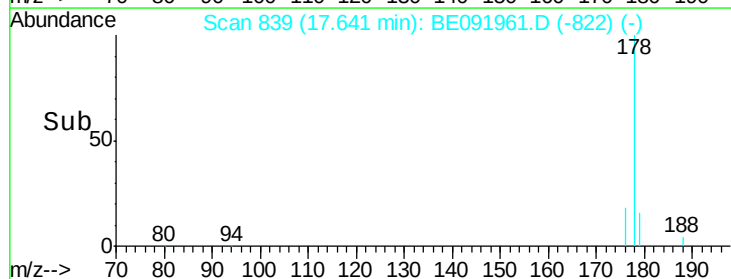
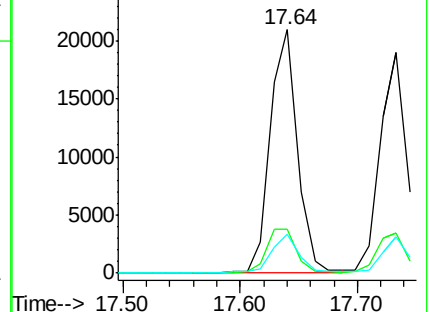
179 15.5 12.9 19.3

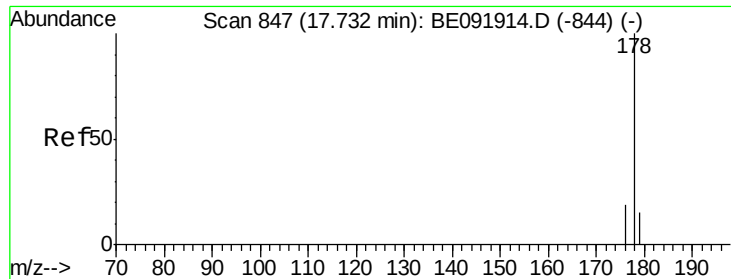


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.84 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

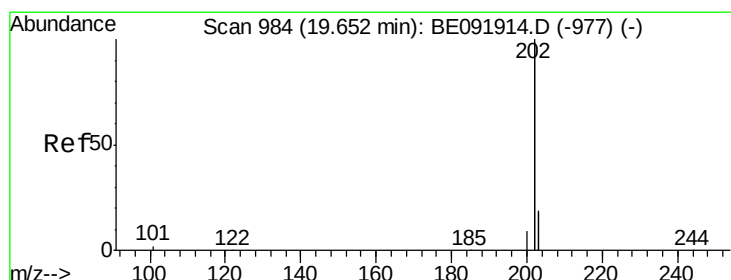
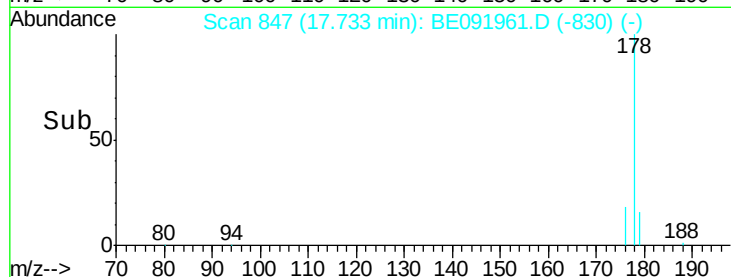
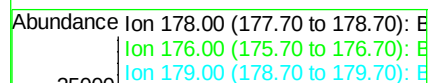
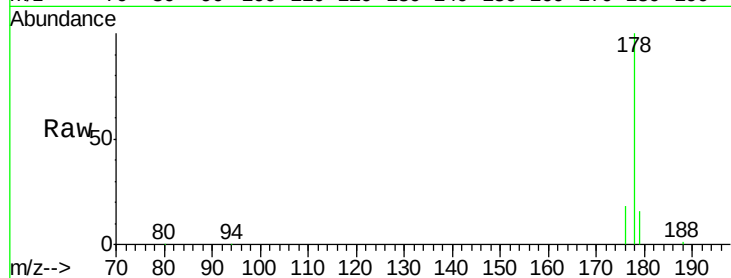
Tot Ion:178 Resp: 30811

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.3 12.1 18.1



#30

Fluoranthene

Concen: 0.77 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

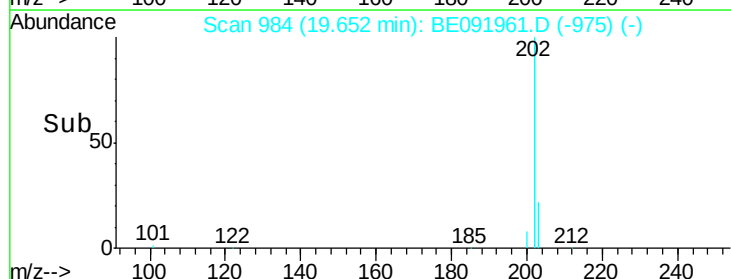
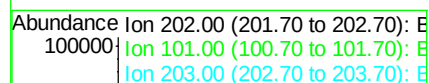
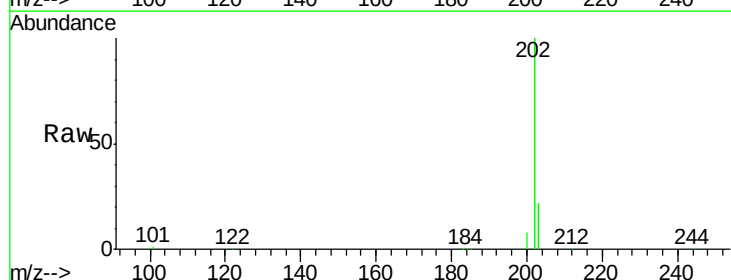
Tgt Ion:202 Resp: 137383

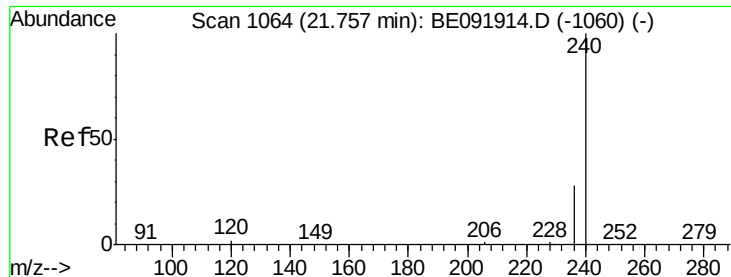
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.1 14.3 21.5

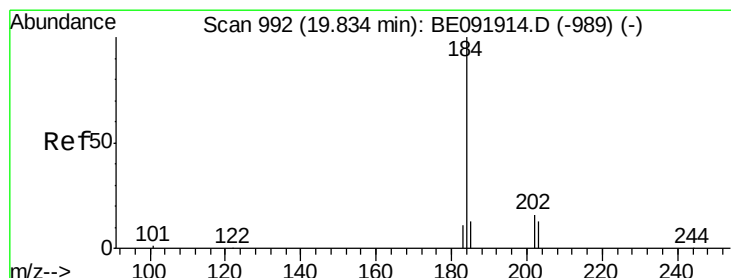
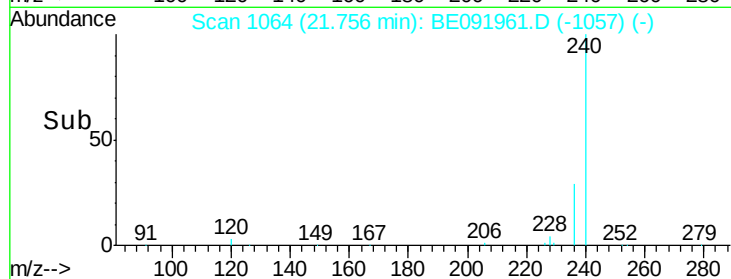
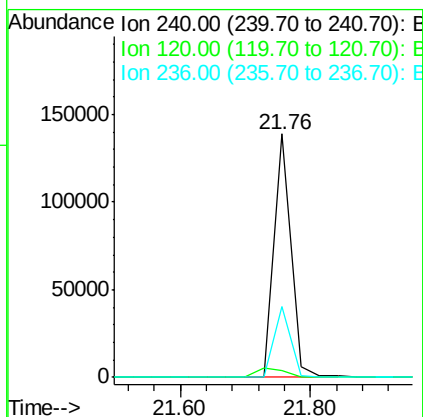
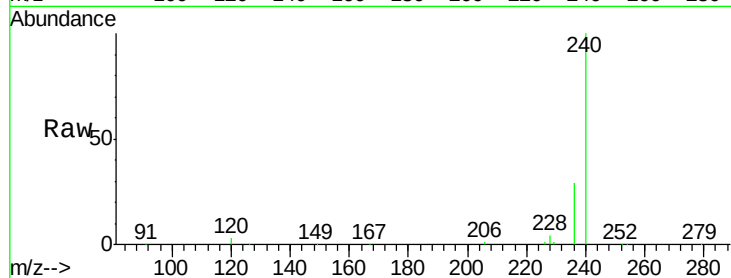




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BE091961.D
 Acq: 5 Jul 2016 10:44

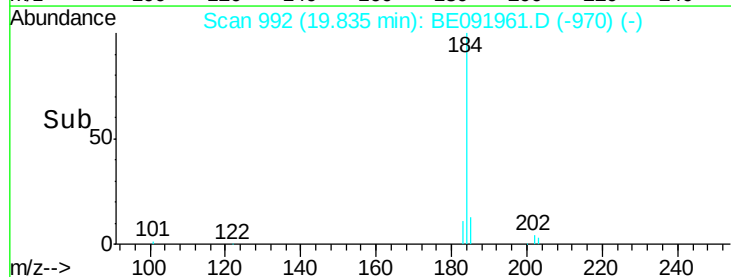
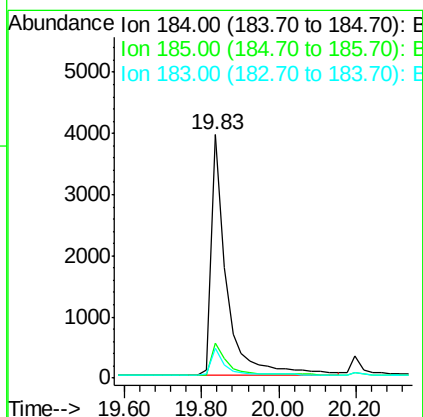
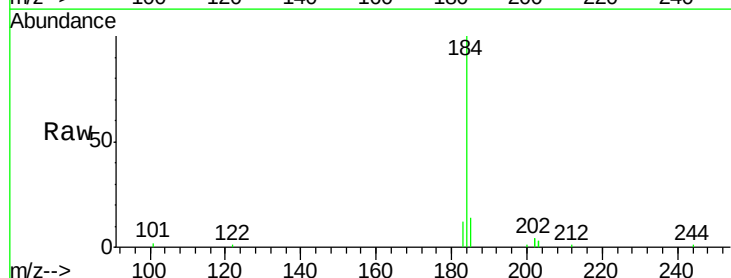
Instrument :
 BNA_E
 ClientSampleId :

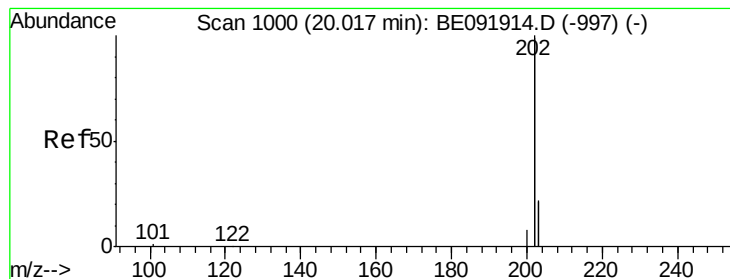
Tot Ion:240 Resp: 251969
 Ion Ratio Lower Upper
 240 100
 120 2.8 1.2 1.8#
 236 28.9 19.8 29.8



#32
 Benzidine
 Concen: 1.27 ng
 RT: 19.83 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BE091961.D
 Acq: 5 Jul 2016 10:44

Tgt Ion:184 Resp: 10862
 Ion Ratio Lower Upper
 184 100
 185 14.5 11.4 17.2
 183 12.1 11.8 17.6





#33

Pvrene

Concen: 0.85 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091961.D

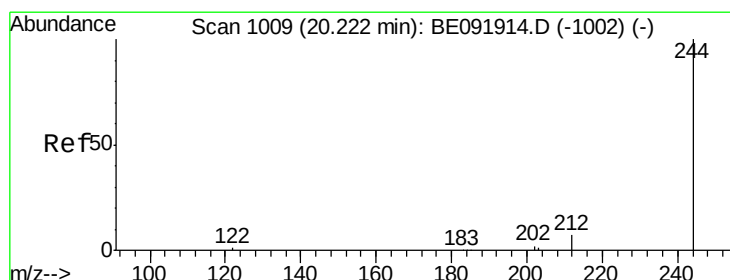
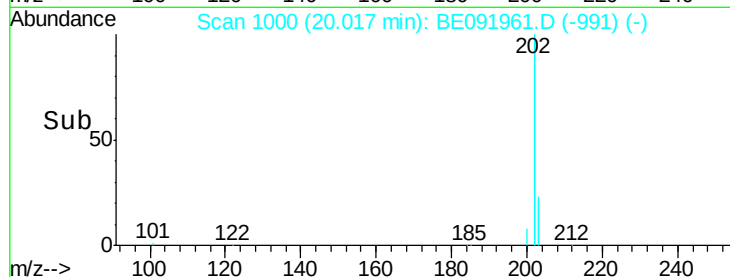
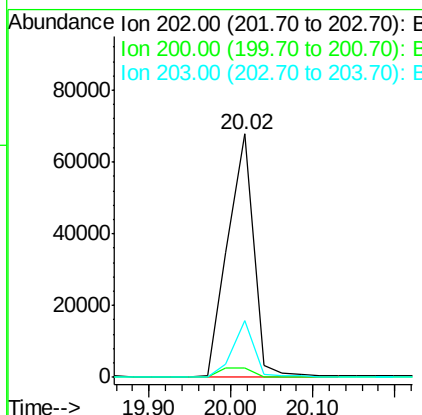
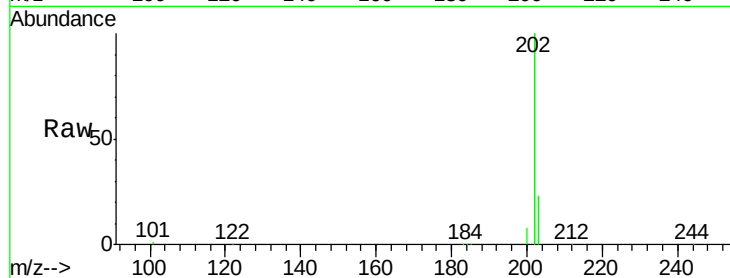
Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	146017
Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	18.6	14.1	21.1



#34

Terphenyl-d14

Concen: 0.78 ng

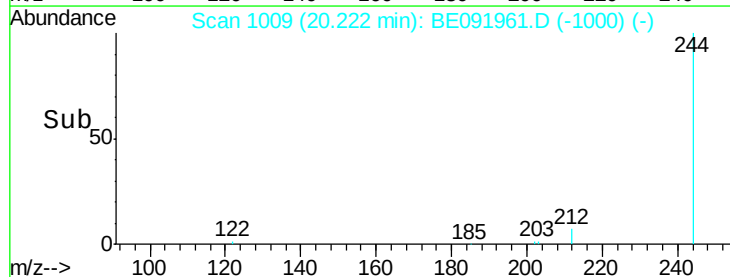
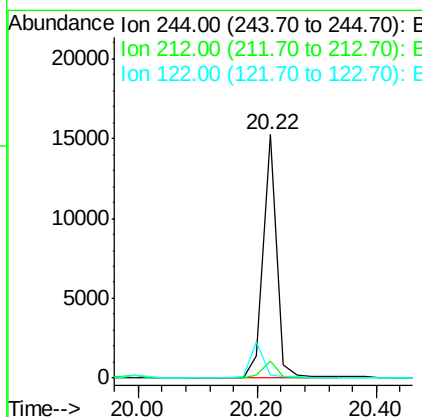
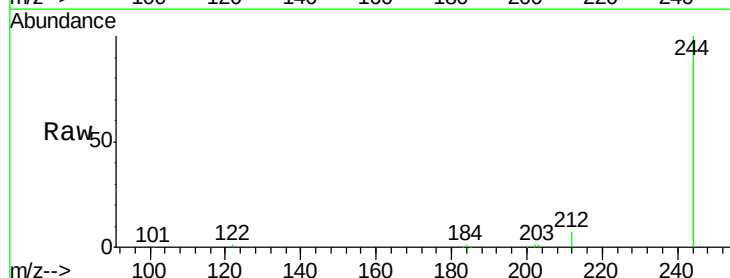
RT: 20.22 min Scan# 1009

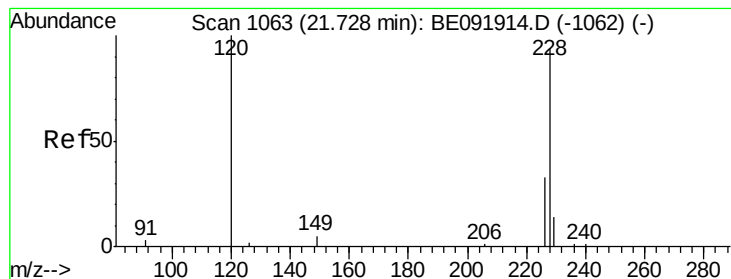
Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Tgt Ion:	244	Resp:	24079
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	1.4	2.9	4.3#





#35

Benzo(a)anthracene

Concen: 1.96 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

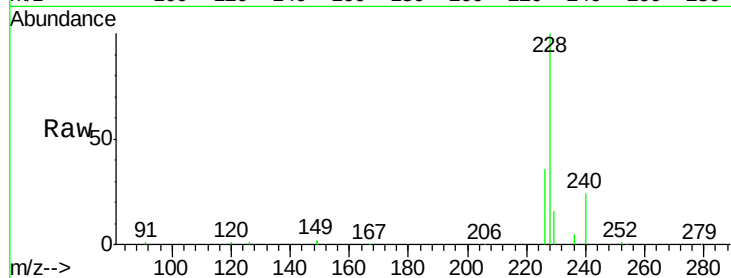
Tot Ion:228 Resp: 77715

Ion Ratio Lower Upper

228 100

226 35.8 21.0 31.4#

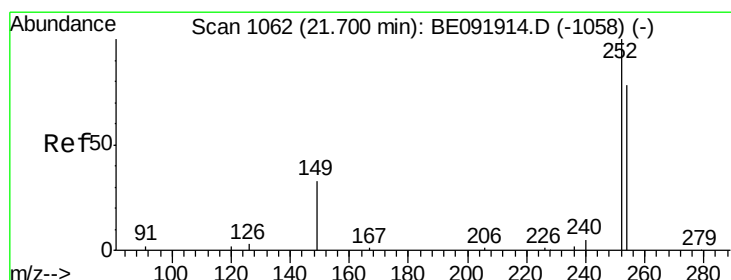
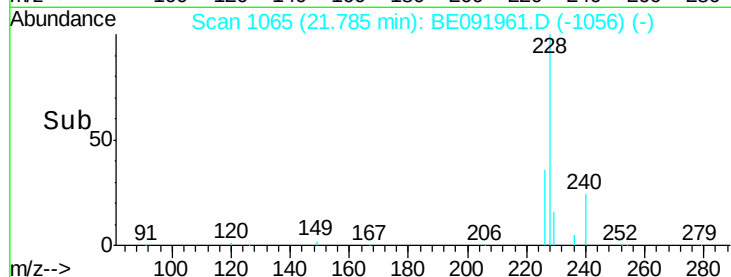
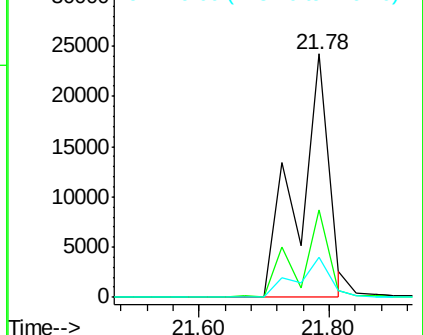
229 16.3 15.8 23.8



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: 1.51 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

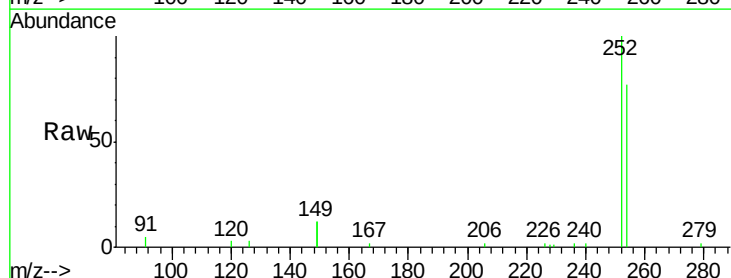
Tgt Ion:252 Resp: 9659

Ion Ratio Lower Upper

252 100

254 76.5 61.5 92.3

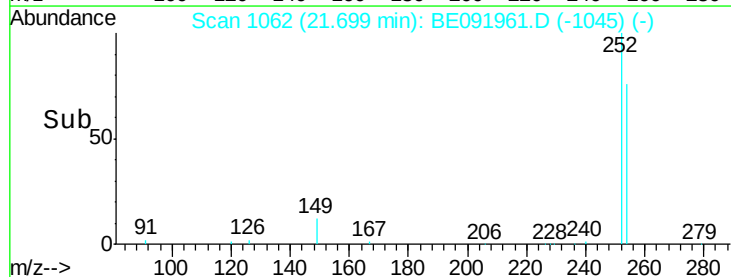
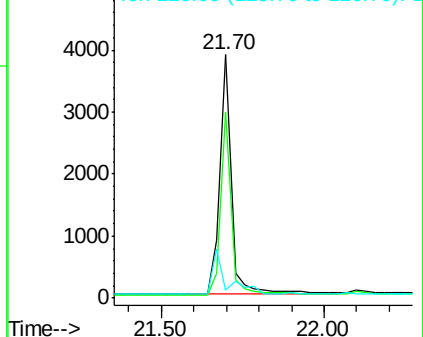
126 3.2 2.5 3.7

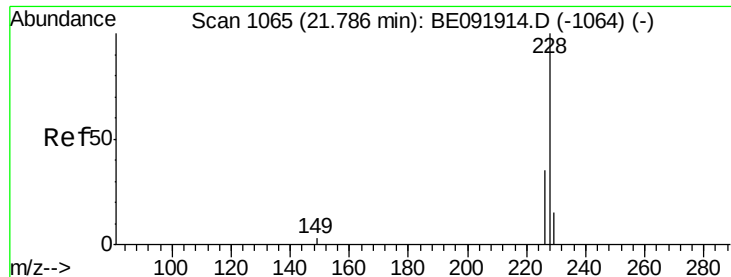


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 1.36 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

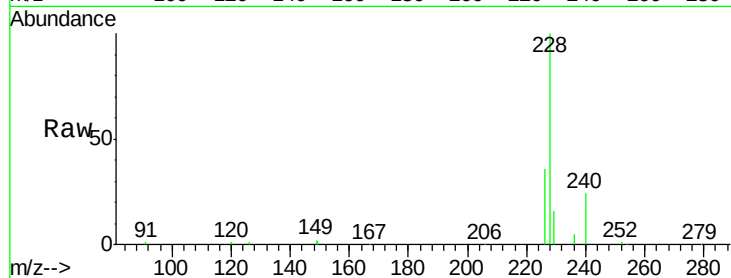
Tot Ion:228 Resp: 78719

Ion Ratio Lower Upper

228 100

226 35.8 27.0 40.6

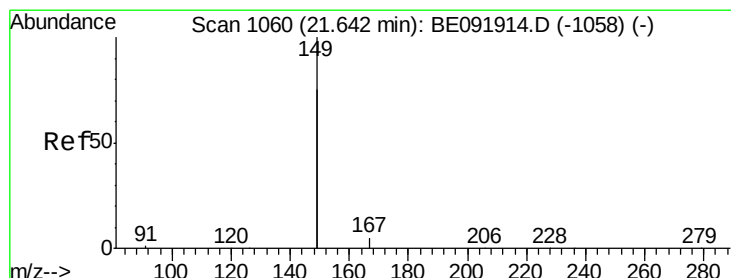
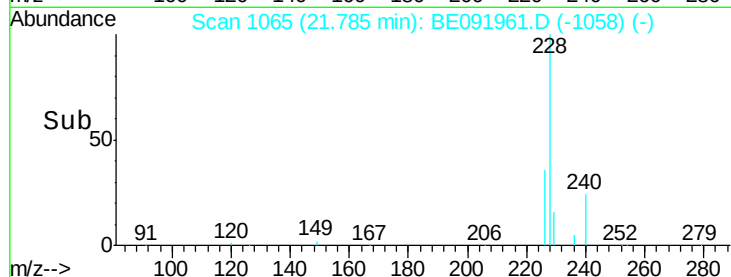
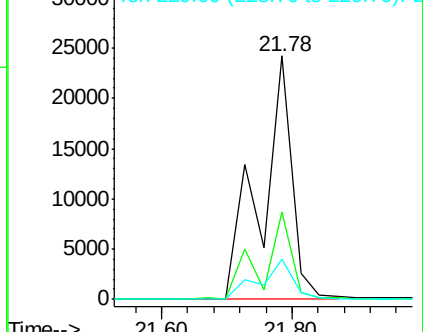
229 16.3 13.8 20.8



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: 1.32 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

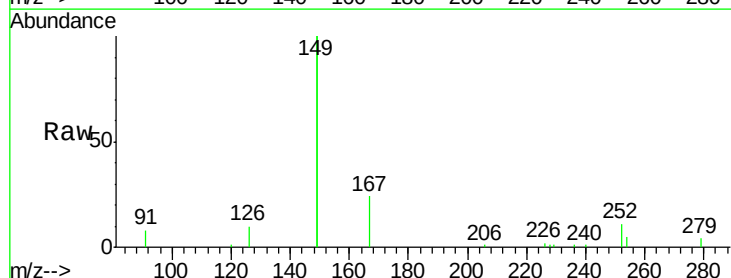
Tgt Ion:149 Resp: 38738

Ion Ratio Lower Upper

149 100

167 9.3 0.0 0.0#

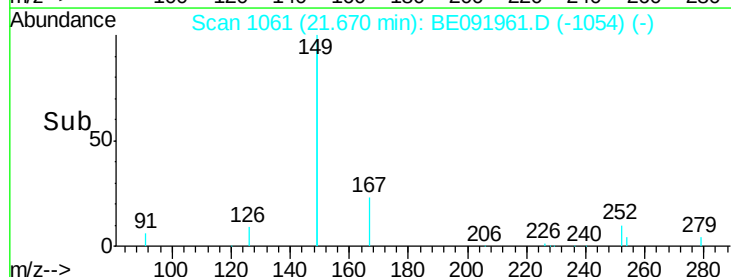
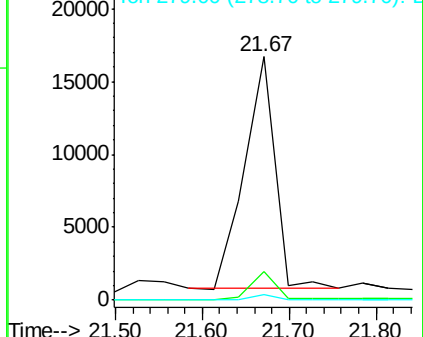
279 1.4 0.0 0.0#

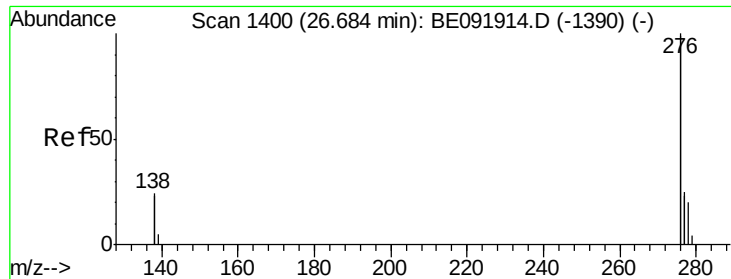


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

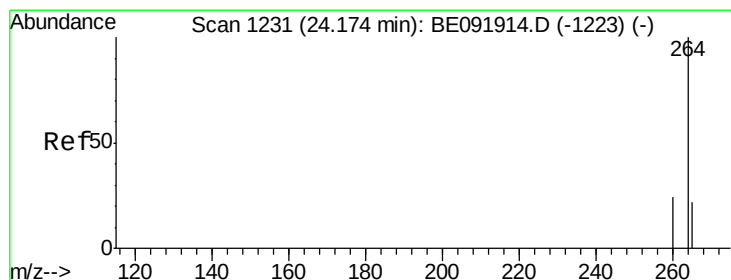
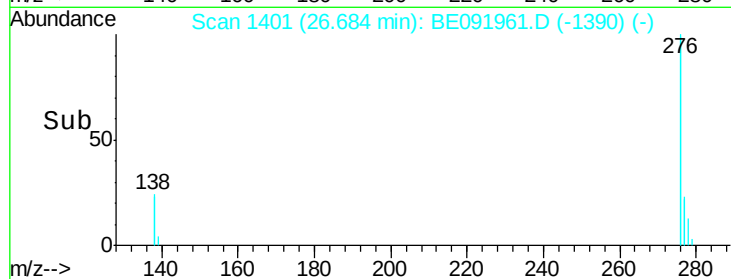
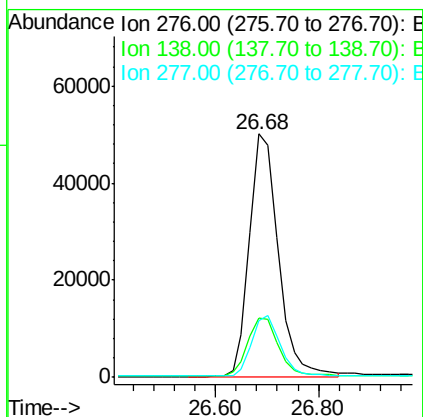
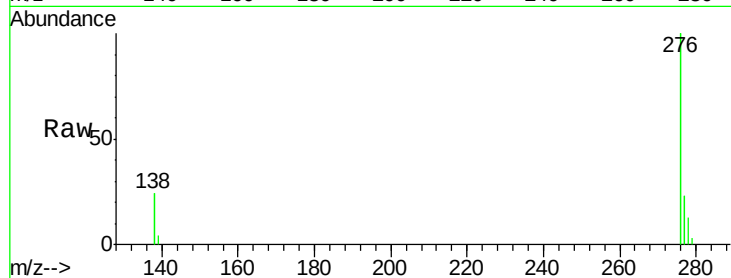




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.98 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BE091961.D
 Acq: 5 Jul 2016 10:44

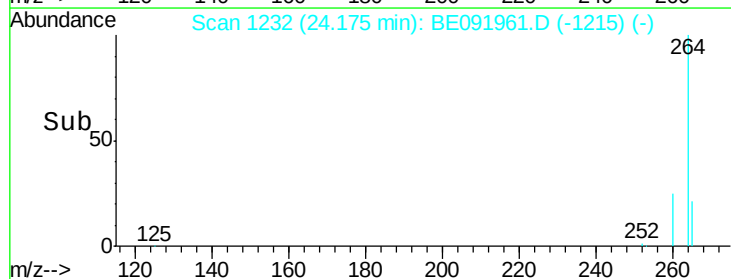
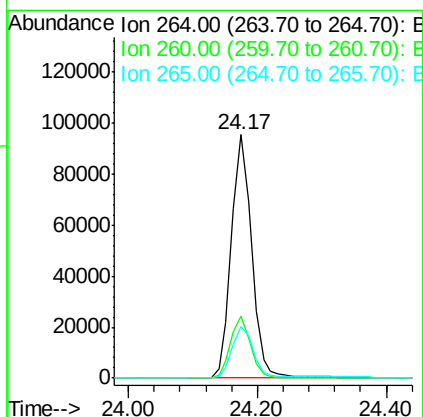
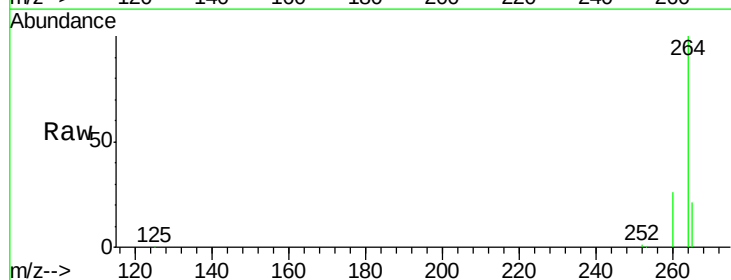
Instrument :
 BNA_E
 ClientSampleId :

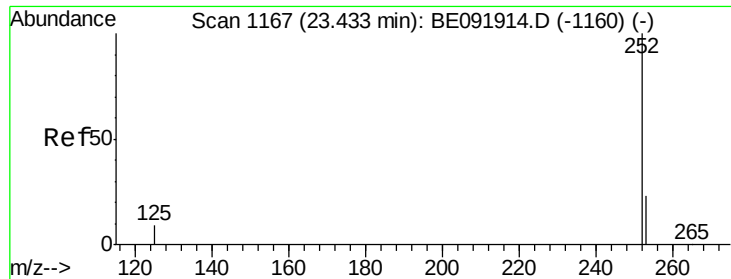
Tot Ion:276 Resp: 193145
 Ion Ratio Lower Upper
 276 100
 138 26.0 19.7 29.5
 277 24.8 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091961.D
 Acq: 5 Jul 2016 10:44

Tgt Ion:264 Resp: 207298
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.3 30.5
 265 21.3 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.84 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

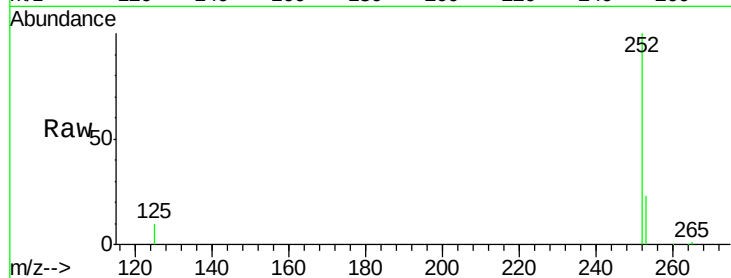
Tot Ion:252 Resp: 44784

Ion Ratio Lower Upper

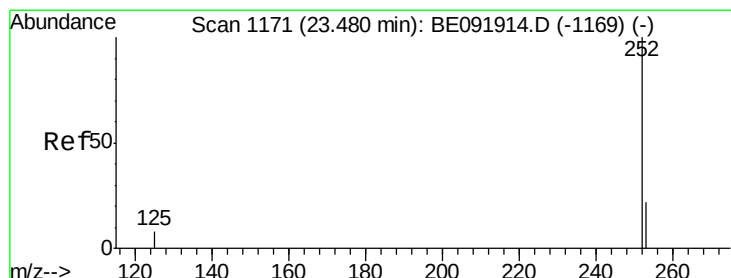
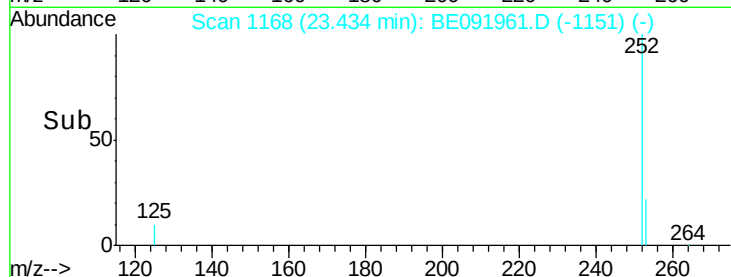
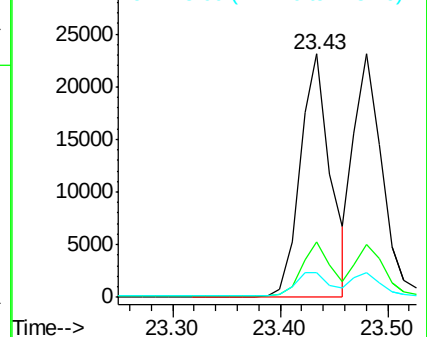
252 100

253 22.6 17.8 26.6

125 10.3 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.86 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

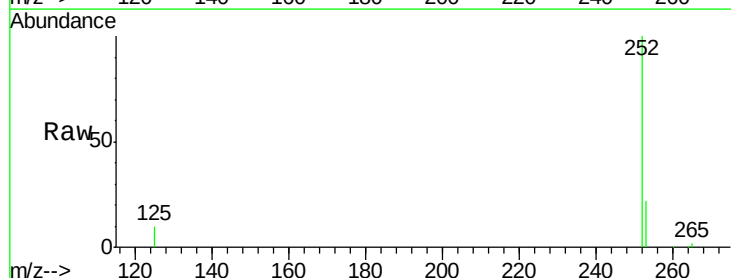
Tgt Ion:252 Resp: 42101

Ion Ratio Lower Upper

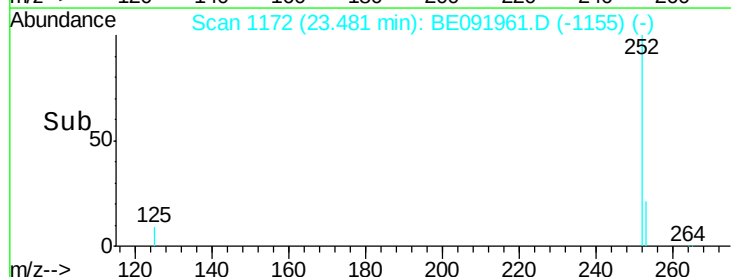
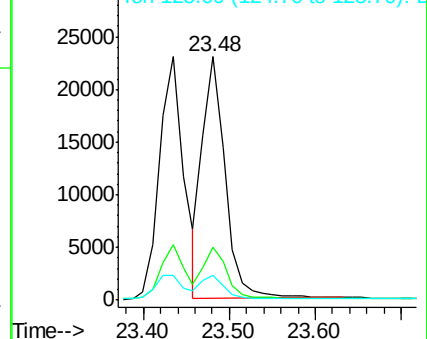
252 100

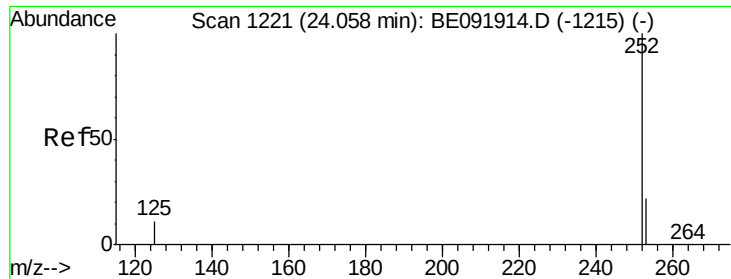
253 21.9 19.4 29.2

125 9.9 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: 0.89 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :

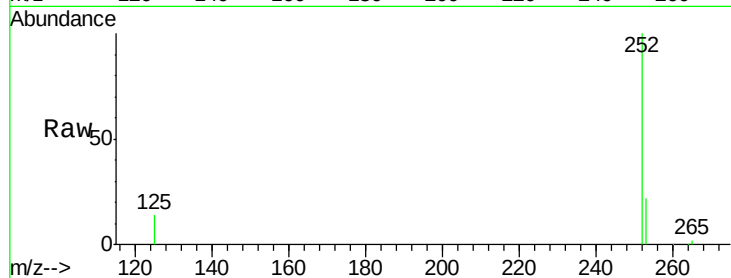
Tot Ion:252 Resp: 41556

Ion Ratio Lower Upper

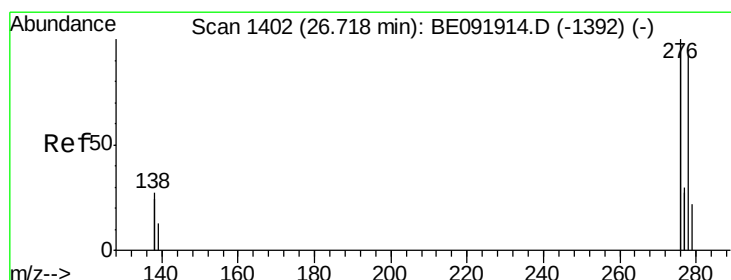
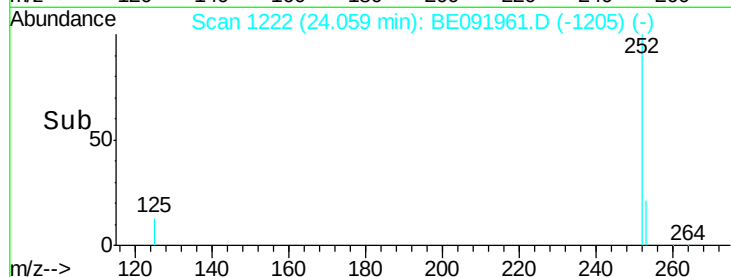
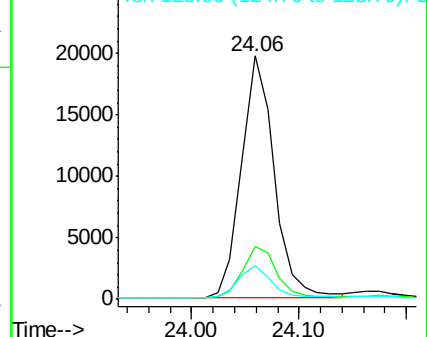
252 100

253 22.0 18.9 28.3

125 13.7 10.5 15.7



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



#44

Dibenzo(a,h)anthracene

Concen: 0.88 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

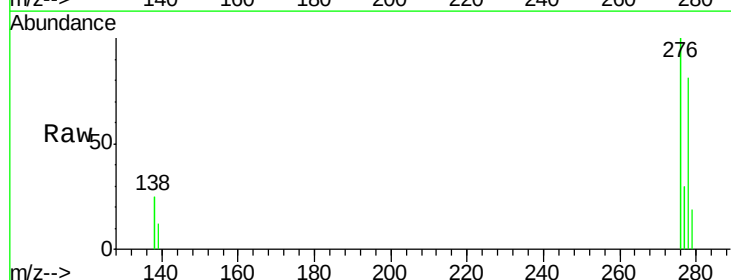
Tgt Ion:278 Resp: 39617

Ion Ratio Lower Upper

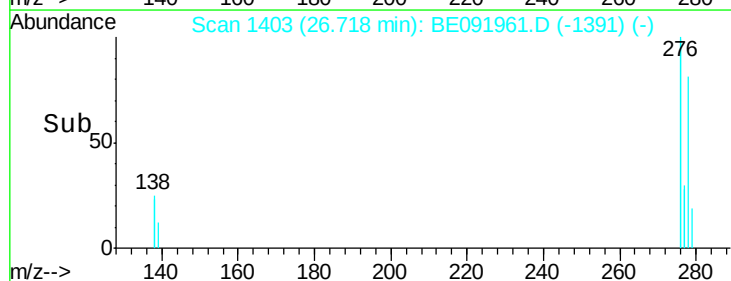
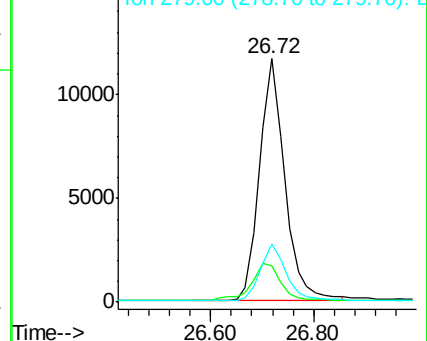
278 100

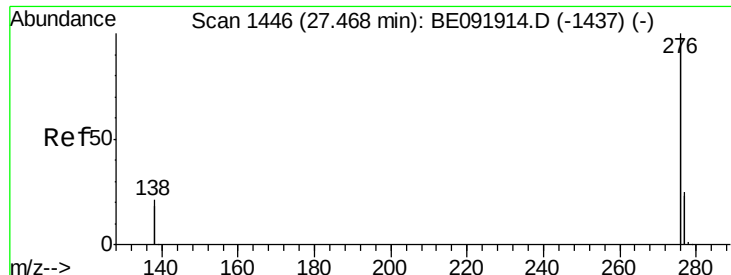
139 15.1 12.6 18.8

279 23.8 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.85 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

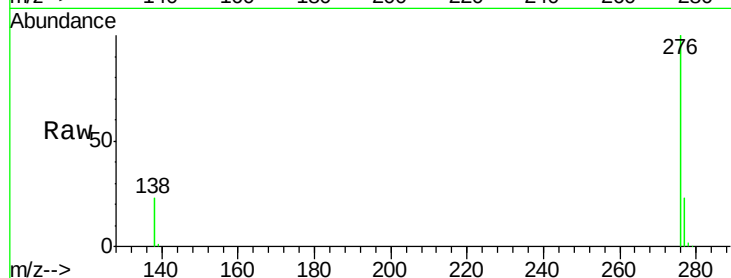
Lab File: BE091961.D

Acq: 5 Jul 2016 10:44

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 159063

Ion Ratio Lower Upper

276 100

277 22.8 19.5 29.3

138 22.5 17.7 26.5

