

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091960.D
 Acq On : 5 Jul 2016 10:05
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 12:35:24 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	21459	5.00	ng	0.00
8) Naphthalene-d8	11.00	136	99030	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	76310	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	157134	5.00	ng	0.00
31) Chrysene-d12	21.76	240	243033	5.00	ng	0.00
40) Perylene-d12	24.17	264	196763	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1941	0.46	ng	0.00
5) Phenol-d6	7.37	99	2591	0.48	ng	0.00
9) Nitrobenzene-d5	9.38	82	2651	0.39	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	742	0.48	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	7680	0.40	ng	0.00
34) Terphenyl-d14	20.22	244	11604	0.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1214	0.40	ng	96
3) n-Nitrosodimethylamine	3.83	42	1236	0.36	ng	89
6) bis(2-Chloroethyl)ether	7.63	93	2308	0.38	ng	97
7) n-Nitroso-di-n-propylamine	9.02	70	2225	0.46	ng	# 99
10) Nitrobenzene	9.42	77	2746	0.40	ng	# 100
11) bis(2-Chloroethoxy)methane	10.45	93	3798	0.44	ng	# 15
12) Naphthalene	11.04	128	9469	0.44	ng	96
13) Hexachlorobutadiene	11.34	225	1498	0.43	ng	98
14) 2-Methylnaphthalene	12.69	142	6044	0.41	ng	92
18) Acenaphthylene	14.56	152	37215	0.48	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	4841	0.39	ng	# 44
20) Acenaphthene	14.92	154	8552	0.40	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	8735	0.76	ng	# 1
22) Fluorene	15.90	166	9022	0.43	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	4607	0.44	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	2775	0.46	ng	99
26) Hexachlorobenzene	16.90	284	2749	0.44	ng	97
27) Pentachlorophenol	17.26	266	561	0.33	ng	92
28) Phenanthrene	17.64	178	16952	0.43	ng	100
29) Anthracene	17.73	178	15134	0.44	ng	99
30) Fluoranthene	19.65	202	69667	0.41	ng	# 87
32) Benzidine	19.83	184	5508	0.67	ng	98
33) Pyrene	20.02	202	71433	0.43	ng	# 80
35) Benzo(a)anthracene	21.78	228	38340	1.00	ng	# 87
36) 3,3'-Dichlorobenzidine	21.70	252	5030	0.81	ng	# 98
37) Chrysene	21.78	228	38919	0.70	ng	98
38) Bis(2-ethylhexyl)phthalate	21.67	149	18015	0.64	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	93552	0.49	ng	99
41) Benzo(b)fluoranthene	23.43	252	21526	0.43	ng	98
42) Benzo(k)fluoranthene	23.48	252	20720	0.45	ng	98
43) Benzo(a)pyrene	24.06	252	20306	0.46	ng	98
44) Dibenzo(a,h)anthracene	26.72	278	18888	0.44	ng	98
45) Benzo(a,h,i)perylene	27.47	276	78263	0.44	ng	98

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QLast Update : Tue Jul 05 12:29:44 2016
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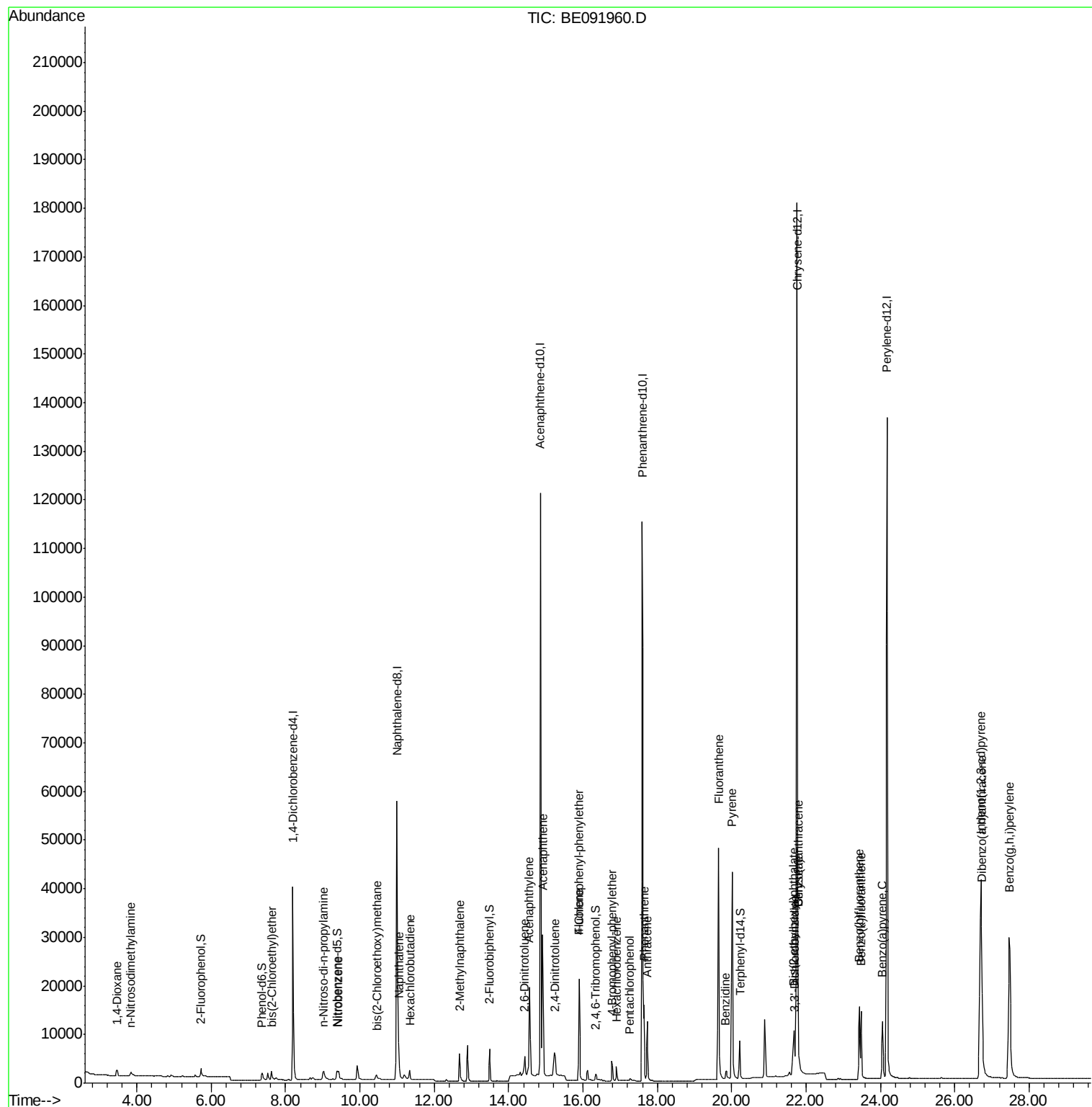
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampled :

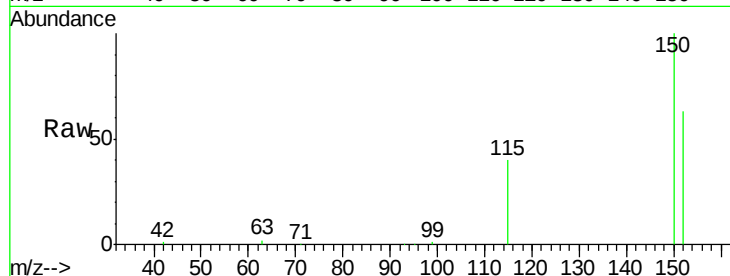
Tot Ion:152 Resp: 21459

Ion Ratio Lower Upper

152 100

150 159.6 123.9 185.9

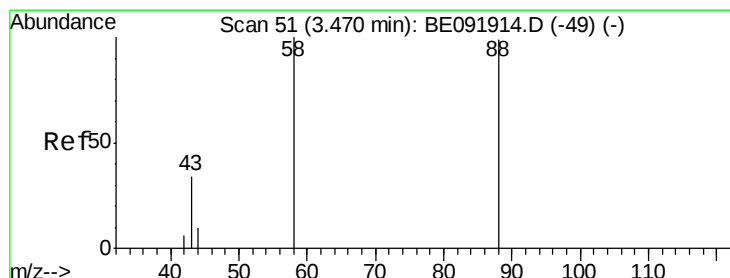
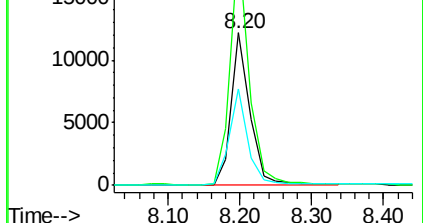
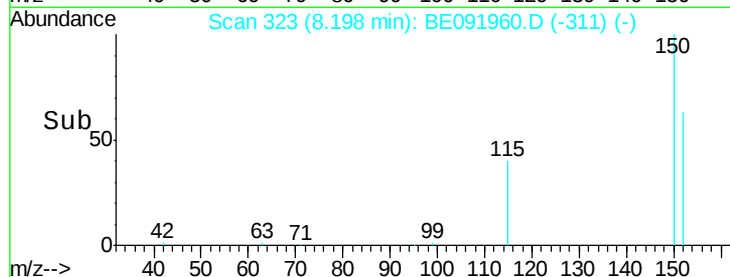
115 63.6 48.3 72.5



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: 0.40 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

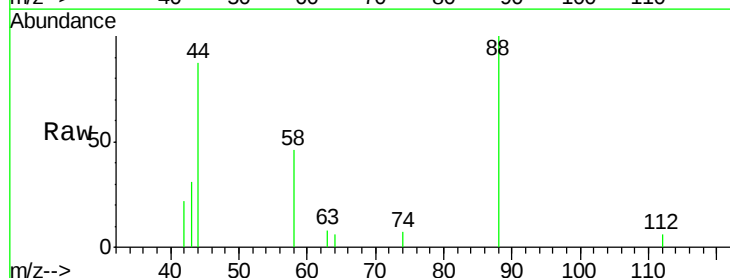
Tgt Ion: 88 Resp: 1214

Ion Ratio Lower Upper

88 100

58 82.6 63.0 94.4

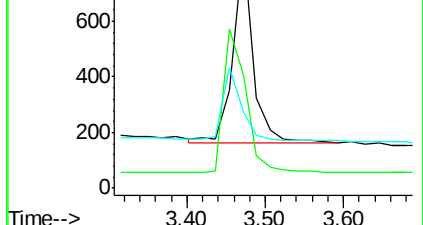
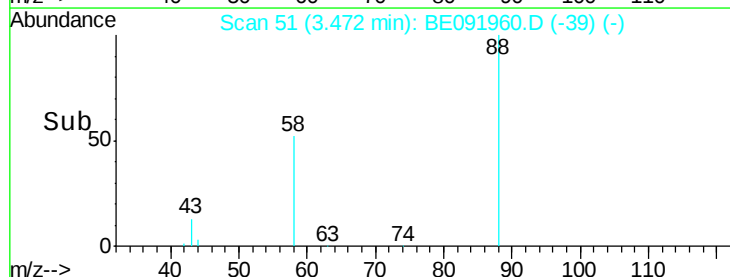
43 38.6 29.1 43.7



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: 0.36 ng

RT: 3.83 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

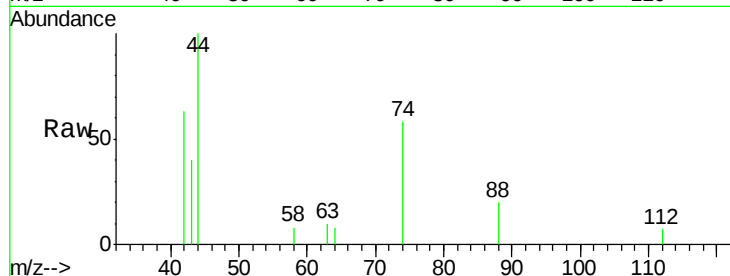
Tot Ion: 42 Resp: 1236

Ion Ratio Lower Upper

42 100

74 104.0 93.4 140.0

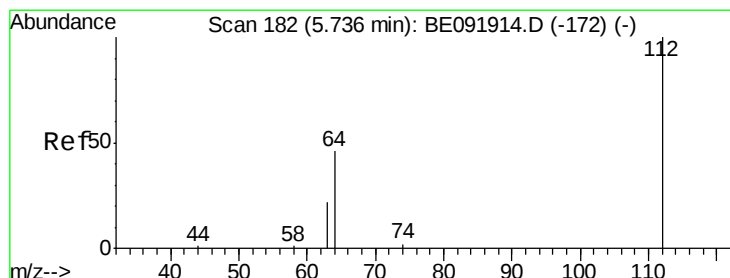
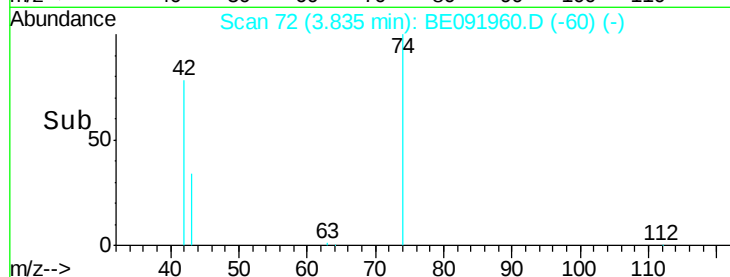
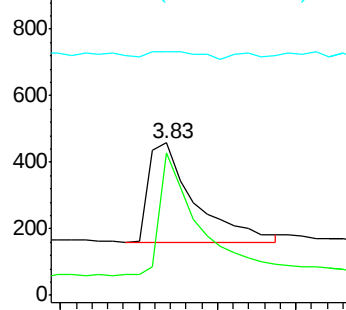
44 7.3 5.0 7.6



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: 0.46 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

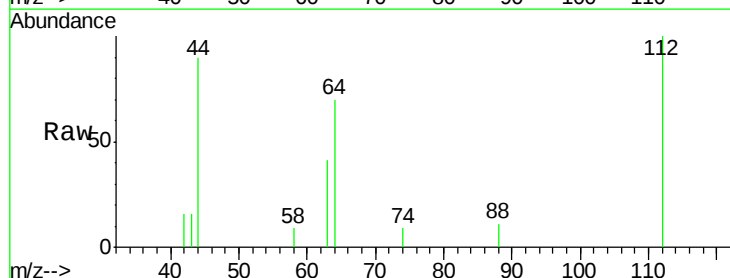
Tgt Ion: 112 Resp: 1941

Ion Ratio Lower Upper

112 100

64 66.8 53.7 80.5

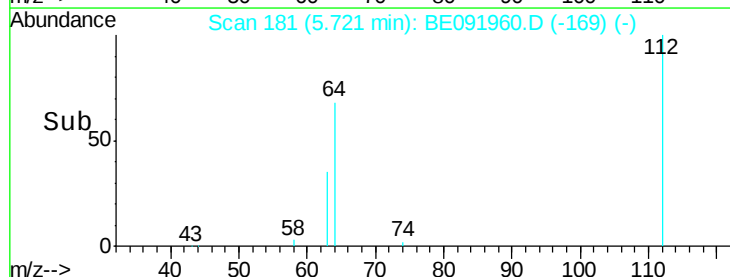
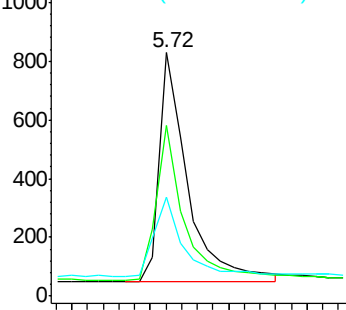
63 35.6 29.5 44.3

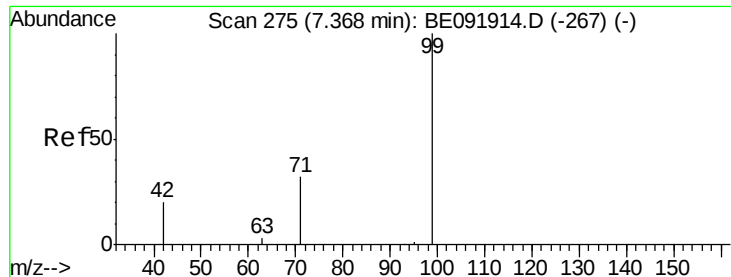


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.48 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

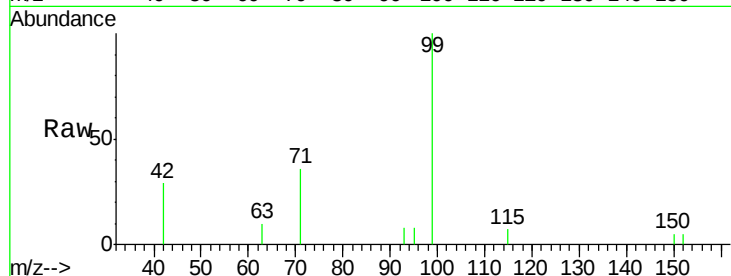
Tot Ion: 99 Resp: 2591

Ion Ratio Lower Upper

99 100

42 25.7 19.6 29.4

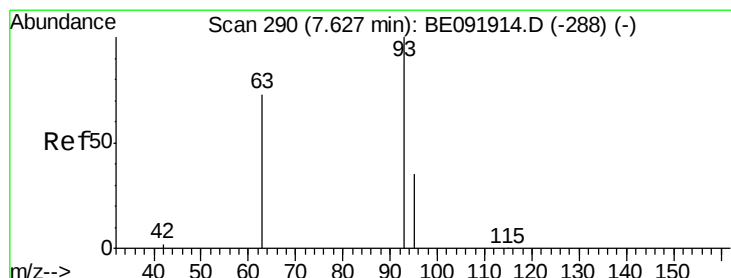
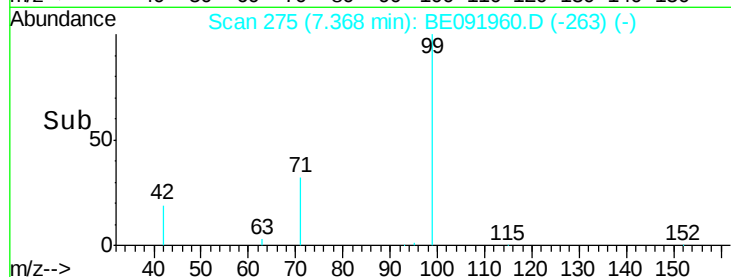
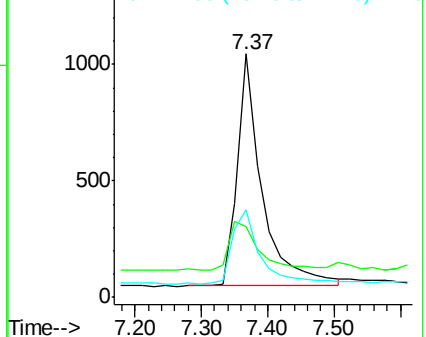
71 35.7 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.38 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

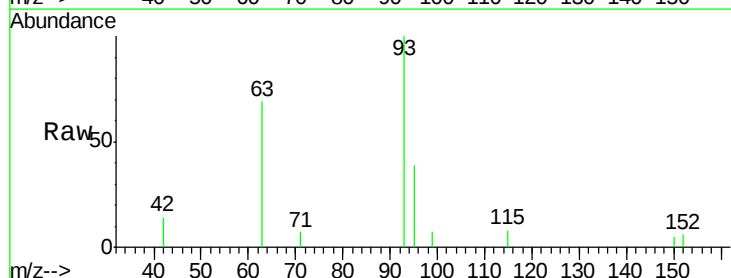
Tgt Ion: 93 Resp: 2308

Ion Ratio Lower Upper

93 100

63 85.5 66.2 99.4

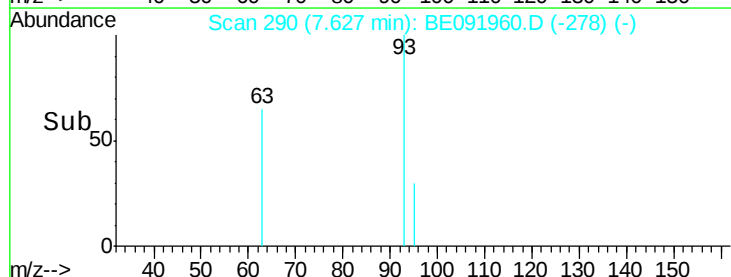
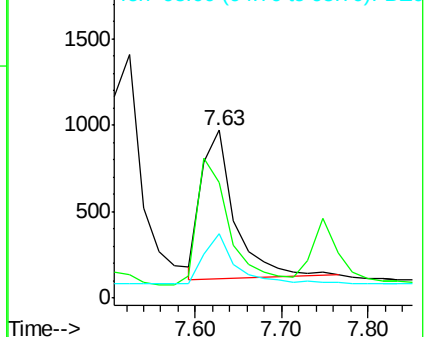
95 33.6 25.5 38.3

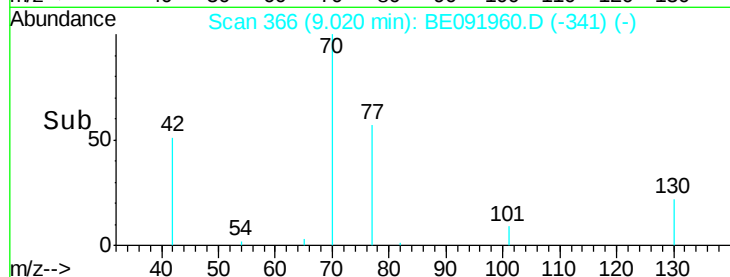
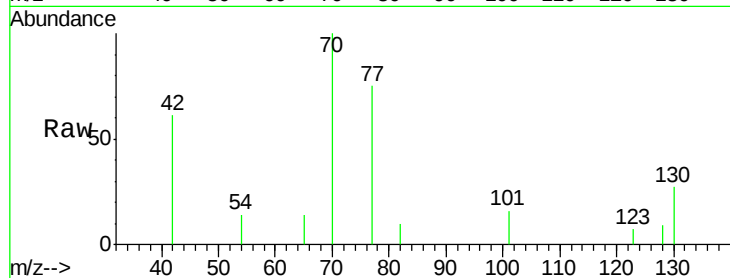
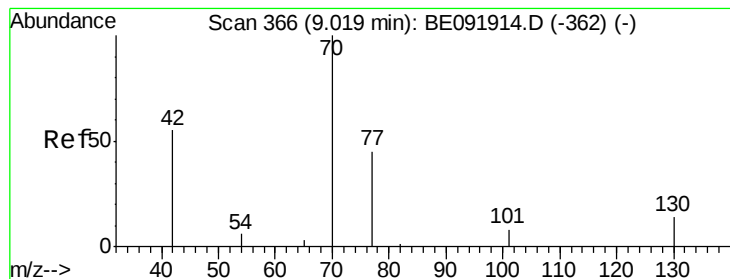


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.46 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 2225

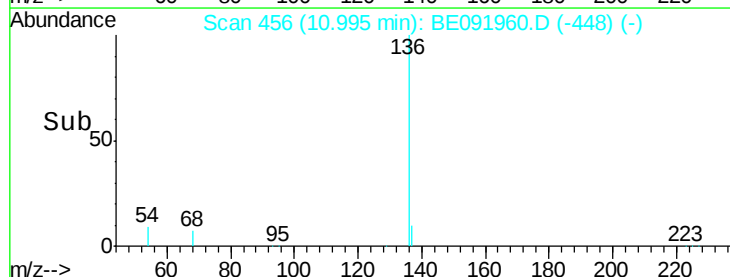
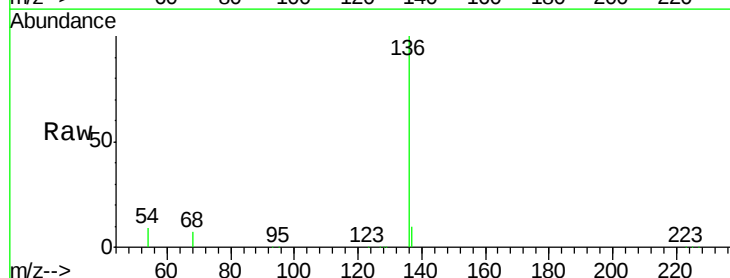
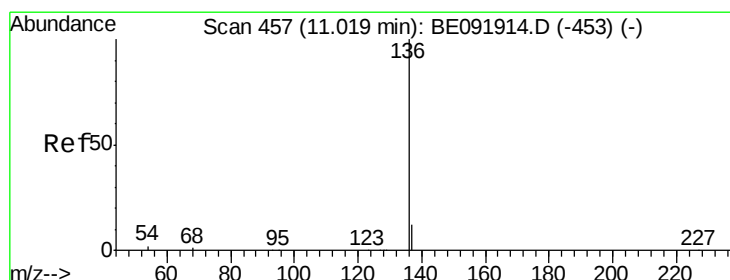
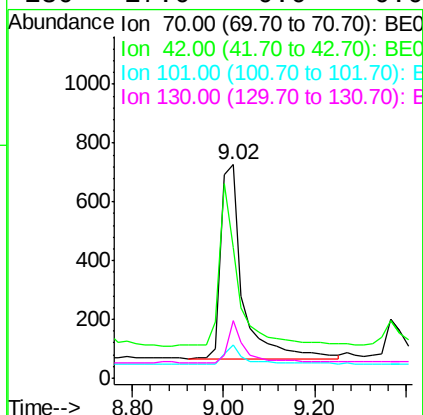
Ion Ratio Lower Upper

70 100

42 72.8 58.4 87.6

101 9.0 6.4 9.6

130 17.0 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.00 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Tgt Ion: 136 Resp: 99030

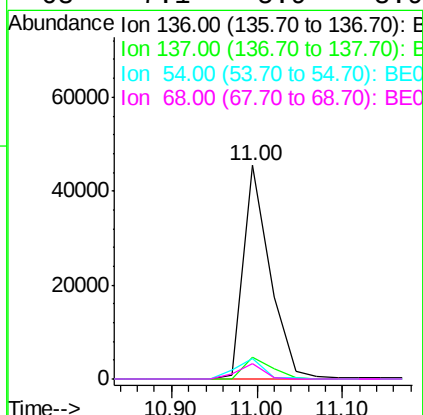
Ion Ratio Lower Upper

136 100

137 10.0 8.3 12.5

54 9.4 8.2 12.4

68 7.1 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampled :

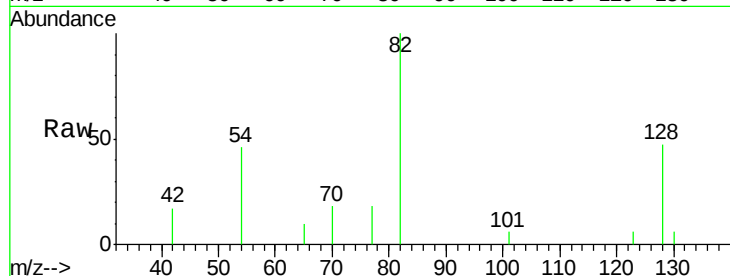
Tot Ion: 82 Resp: 2651

Ion Ratio Lower Upper

82 100

128 47.4 39.5 59.3

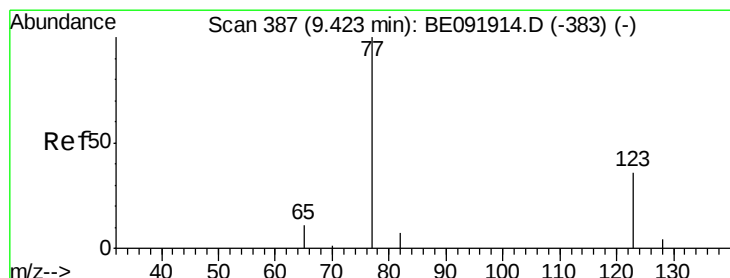
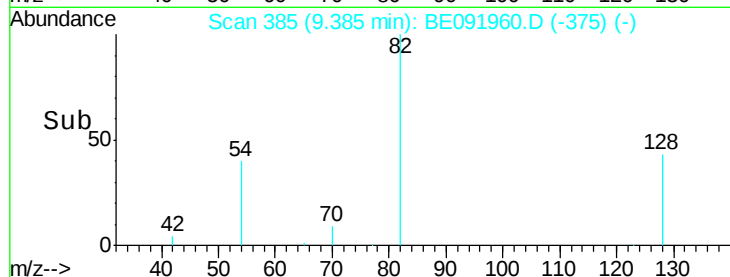
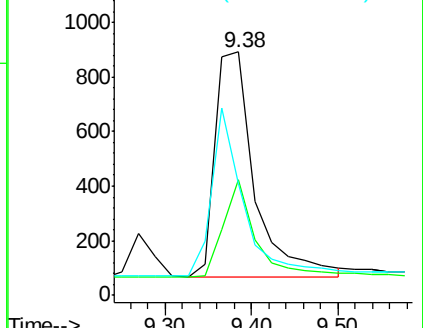
54 45.9 30.3 45.5#



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: 0.40 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

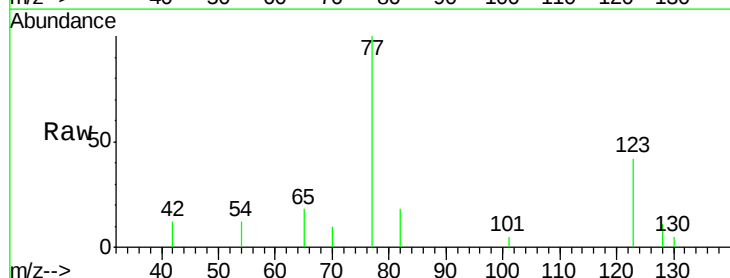
Tgt Ion: 77 Resp: 2746

Ion Ratio Lower Upper

77 100

123 38.1 0.0 0.0#

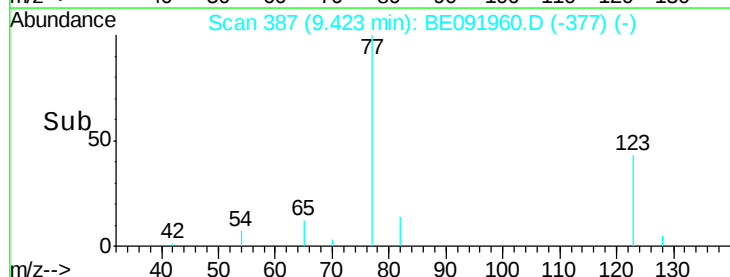
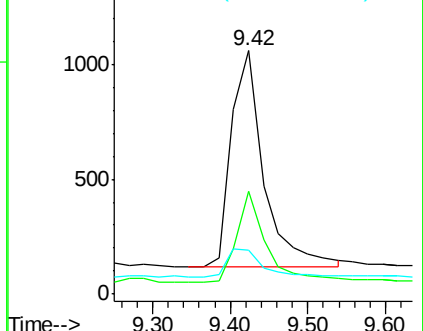
65 13.8 11.1 16.7

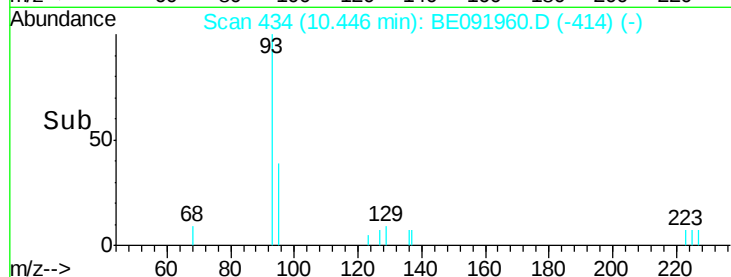
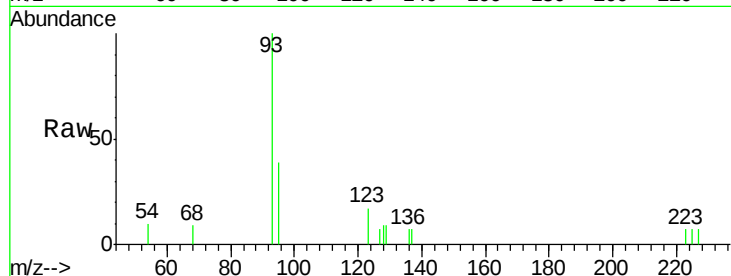
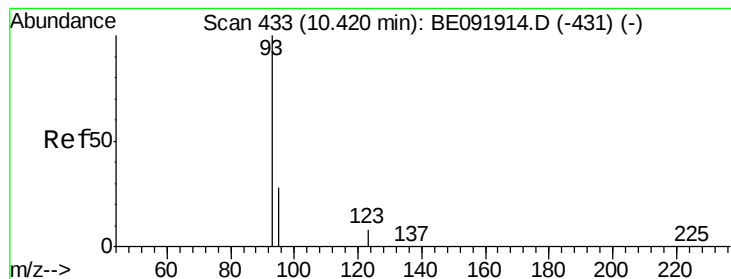


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

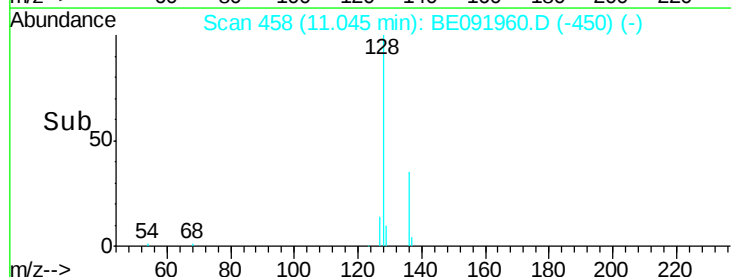
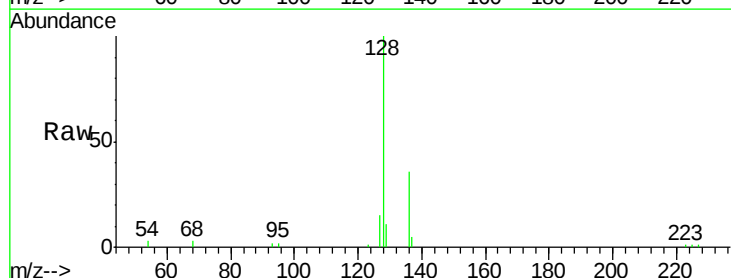
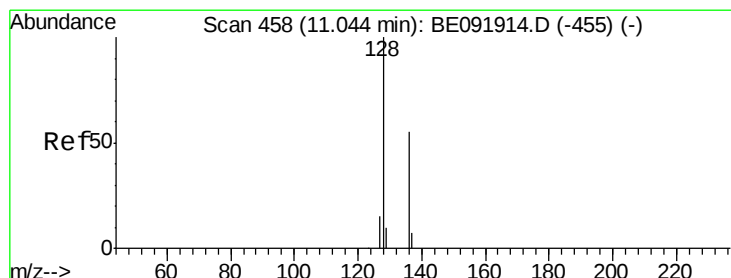
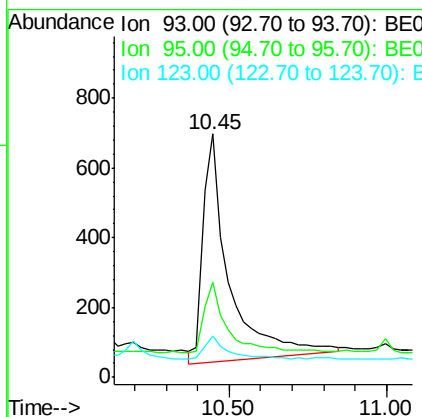




#11
bis(2-Chloroethoxy)methane
Concen: 0.44 ng
RT: 10.45 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

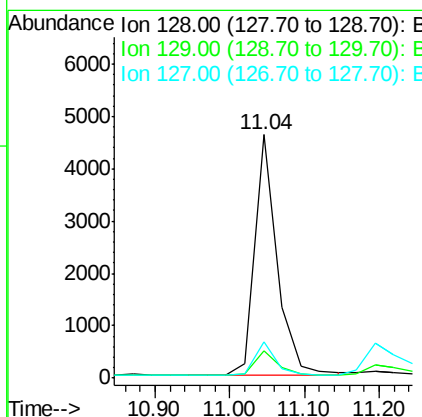
Instrument :
BNA_E
ClientSampleId :

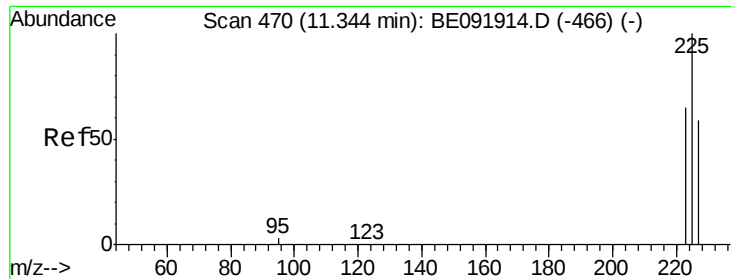
Tot Ion: 93 Resp: 3798
Ion Ratio Lower Upper
93 100
95 26.1 57.6 86.4#
123 8.5 100.2 150.4#



#12
Naphthalene
Concen: 0.44 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion: 128 Resp: 9469
Ion Ratio Lower Upper
128 100
129 11.5 10.4 15.6
127 14.7 10.2 15.2

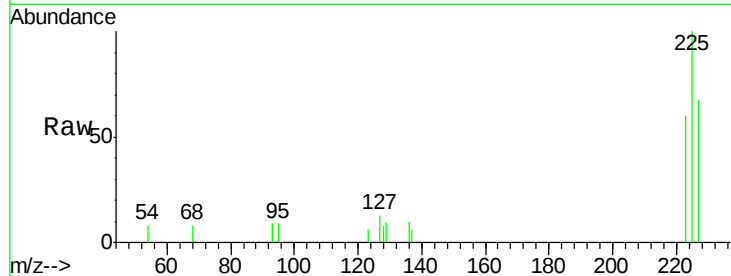




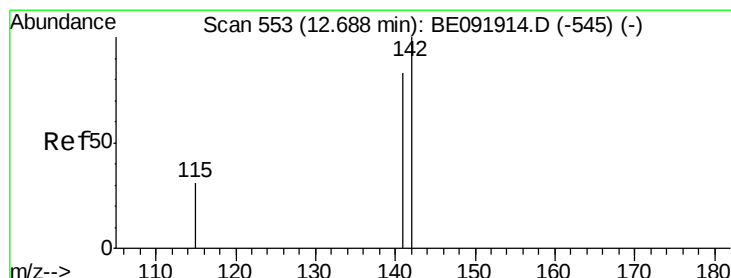
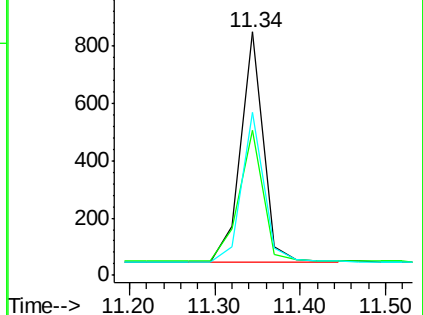
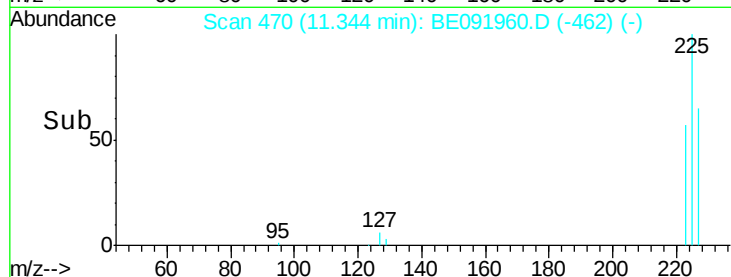
#13
Hexachlorobutadiene
Concen: 0.43 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 1498
Ion Ratio Lower Upper
225 100
223 60.1 49.8 74.8
227 62.5 50.6 75.8

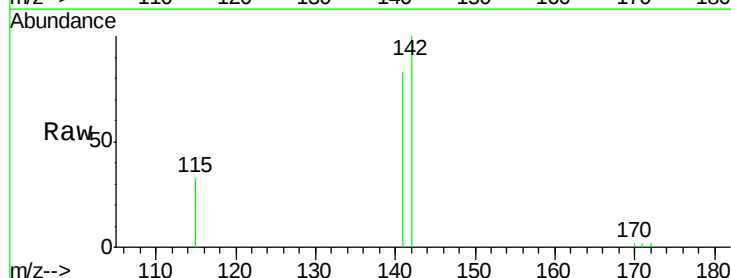


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

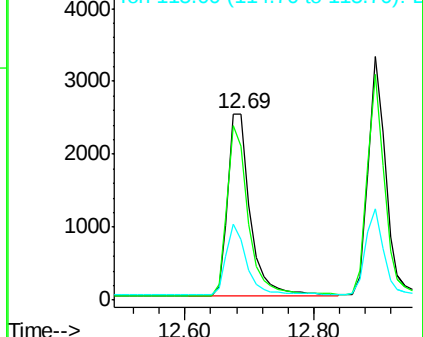
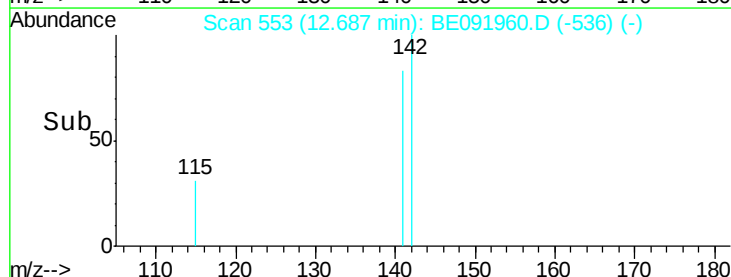


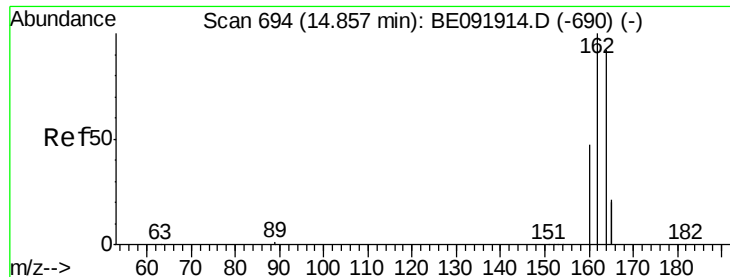
#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion:142 Resp: 6044
Ion Ratio Lower Upper
142 100
141 82.7 71.9 107.9
115 32.5 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: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

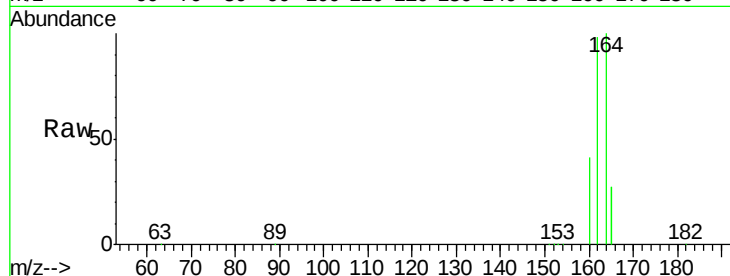
Tot Ion:164 Resp: 76310

Ion Ratio Lower Upper

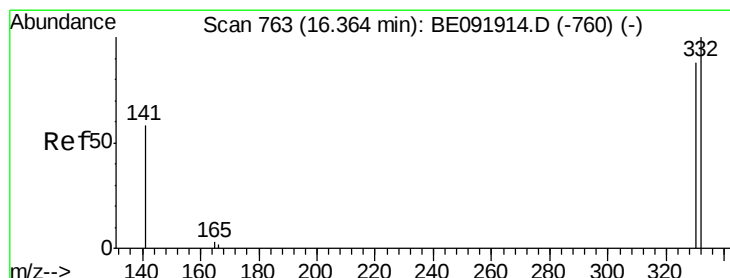
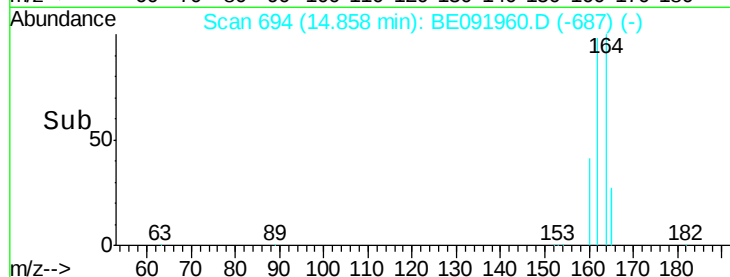
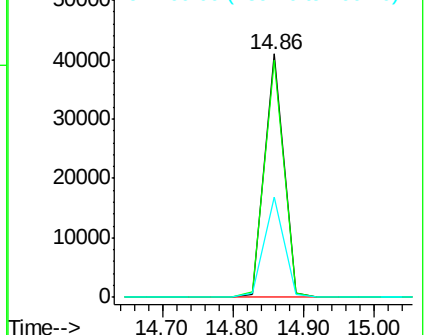
164 100

162 97.6 71.8 107.8

160 41.4 28.0 42.0



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



#16

2,4,6-Tribromophenol

Concen: 0.48 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

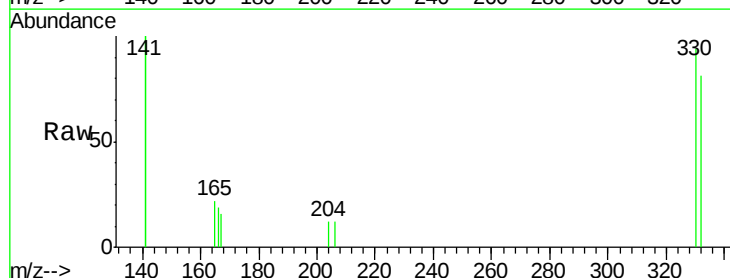
Tgt Ion:330 Resp: 742

Ion Ratio Lower Upper

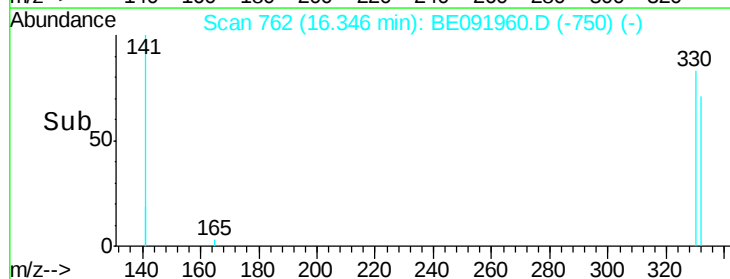
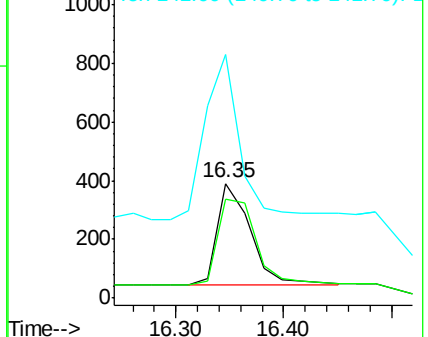
330 100

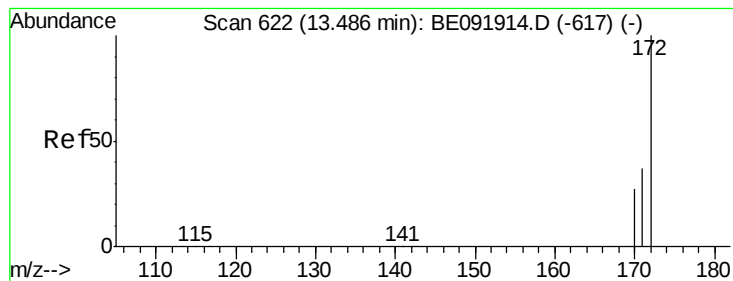
332 97.3 77.0 115.6

141 175.2 138.4 207.6



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

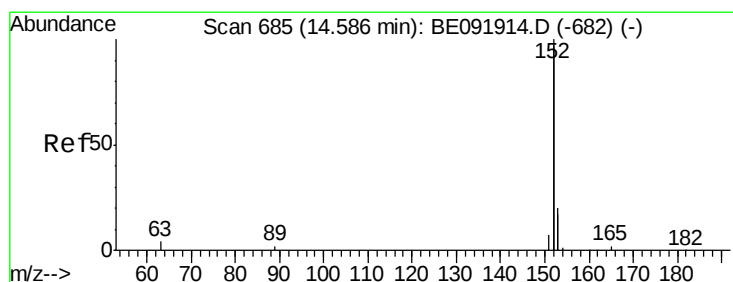
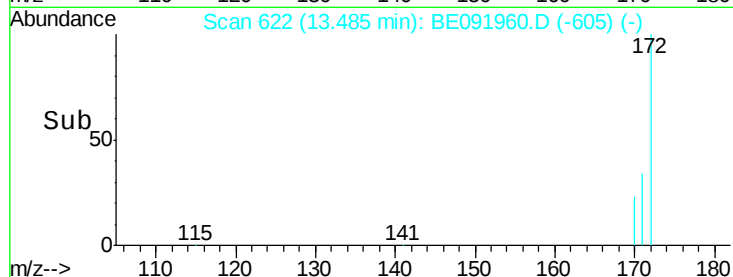
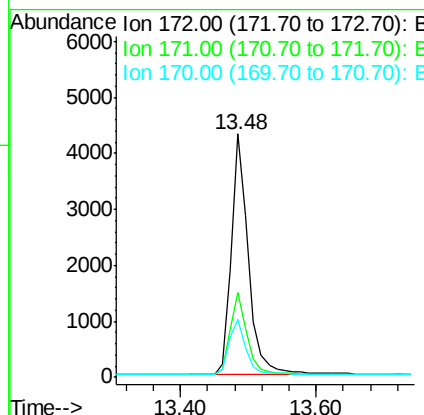
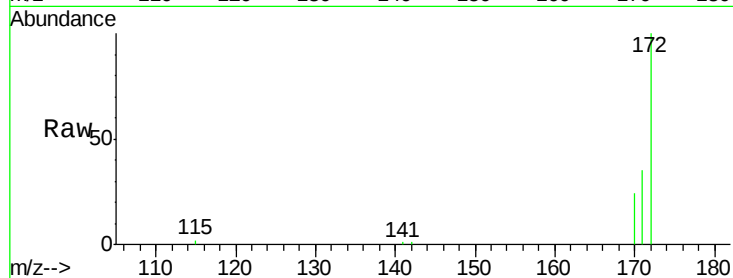




#17
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.48 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

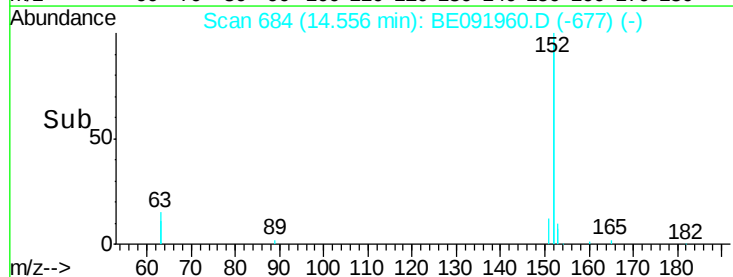
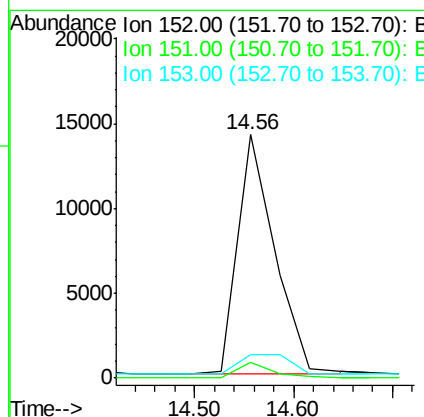
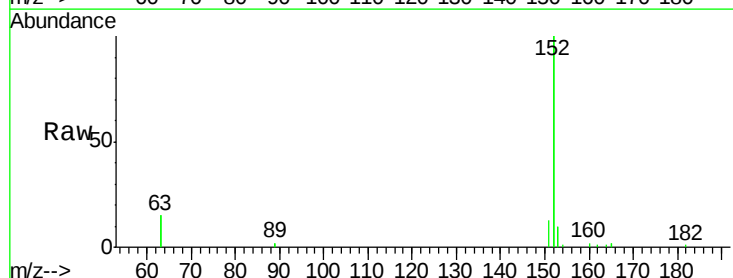
Instrument :
BNA_E
ClientSampleId :

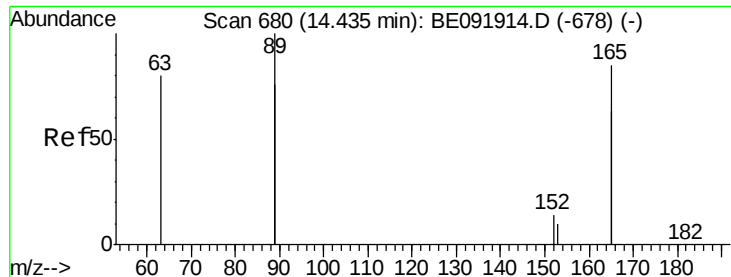
Tot Ion:172 Resp: 7680
Ion Ratio Lower Upper
172 100
171 34.8 24.3 36.5
170 23.8 14.9 22.3#



#18
Acenaphthylene
Concen: 0.48 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion:152 Resp: 37215
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 11.9 14.4 21.6#

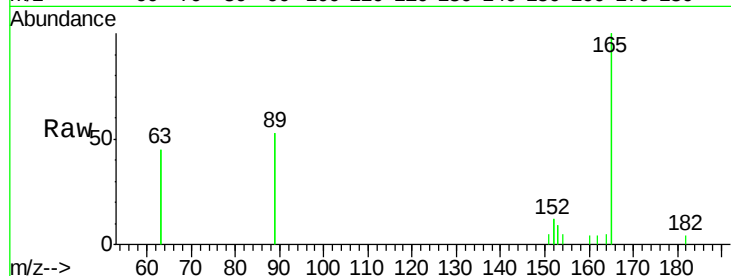




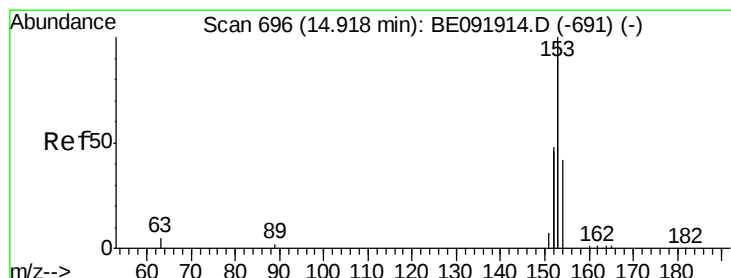
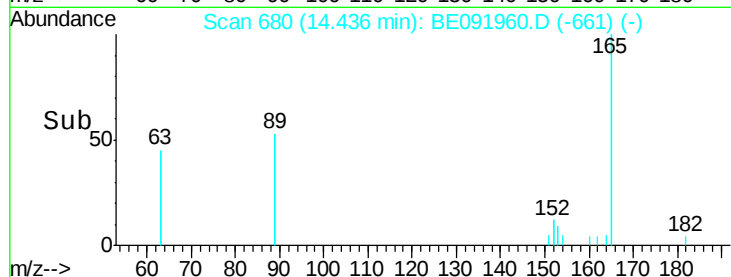
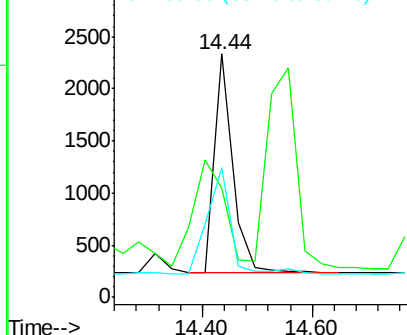
#19
2,6-Dinitrotoluene
Concen: 0.39 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 4841
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 60.1 59.1 88.7

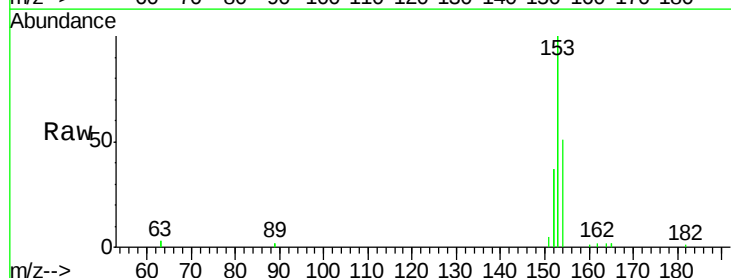


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

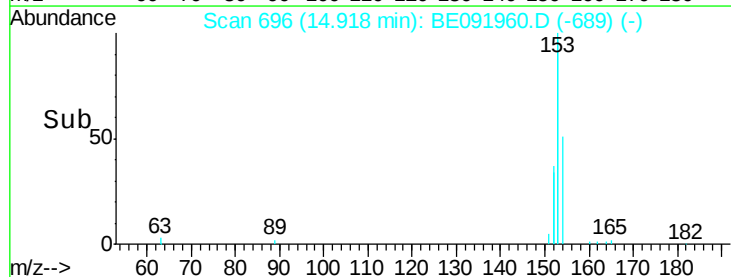
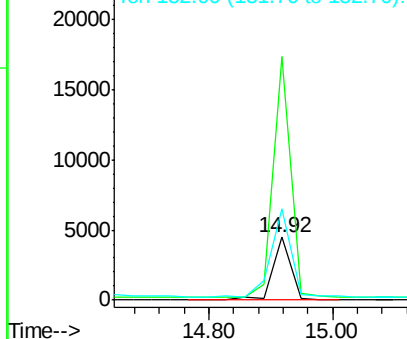


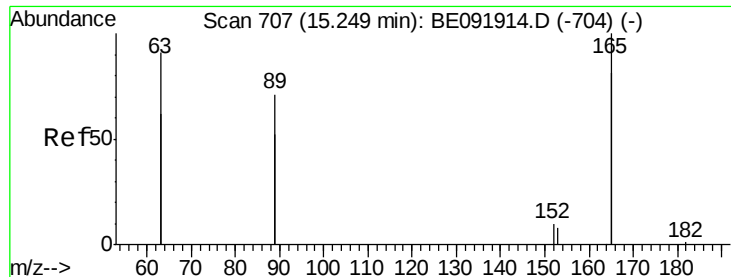
#20
Acenaphthene
Concen: 0.40 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion:154 Resp: 8552
Ion Ratio Lower Upper
154 100
153 390.1 88.1 132.1#
152 159.4 44.2 66.2#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

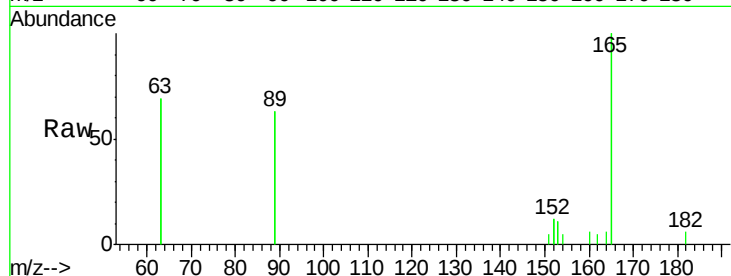




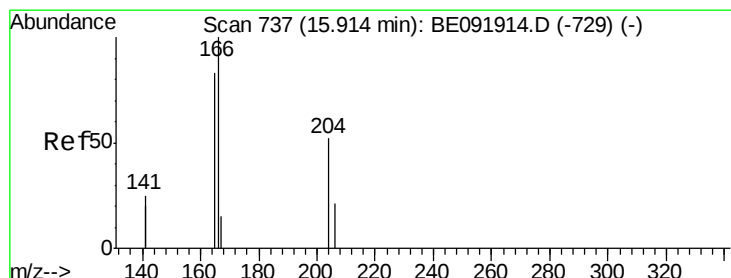
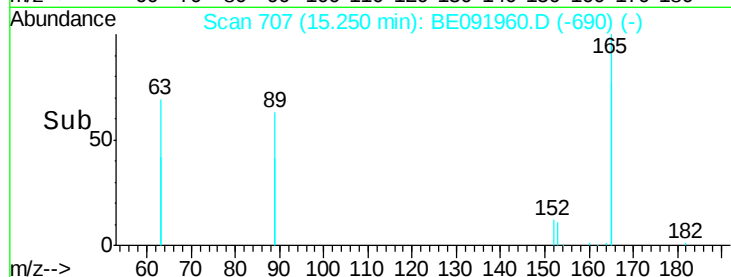
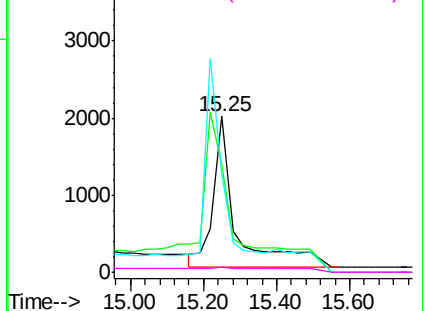
#21
2,4-Dinitrotoluene
Concen: 0.76 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 8735
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0

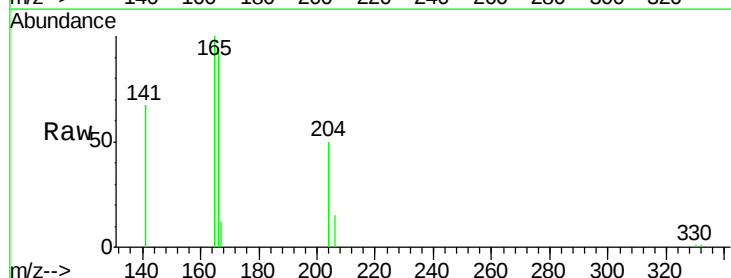


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

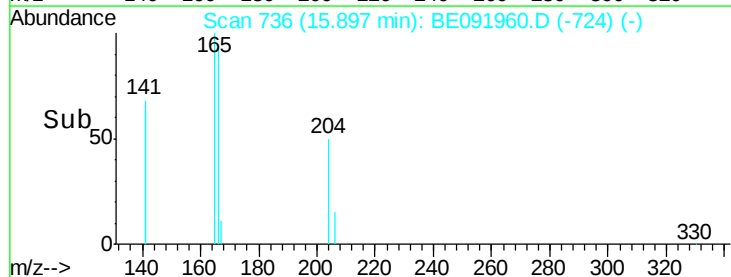
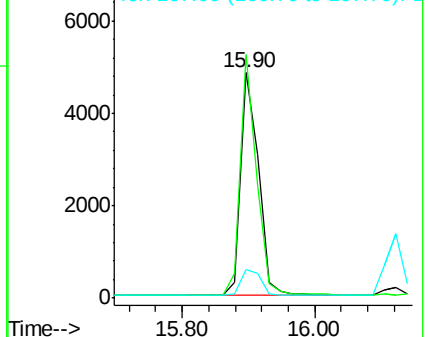


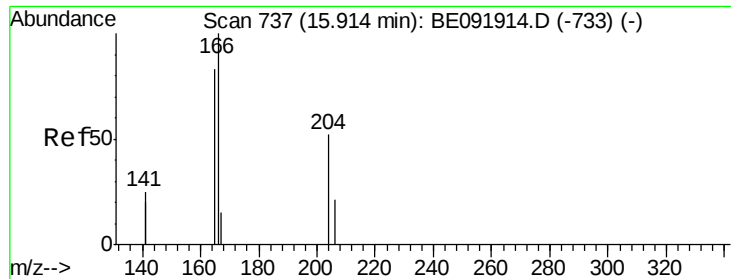
#22
Fluorene
Concen: 0.43 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion:166 Resp: 9022
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.8 10.8 16.2



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

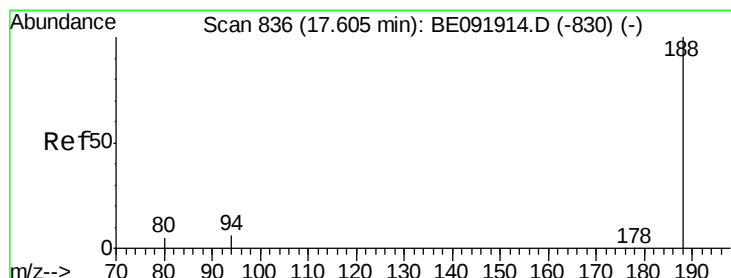
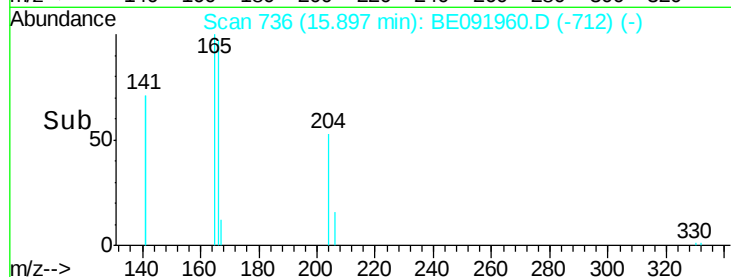
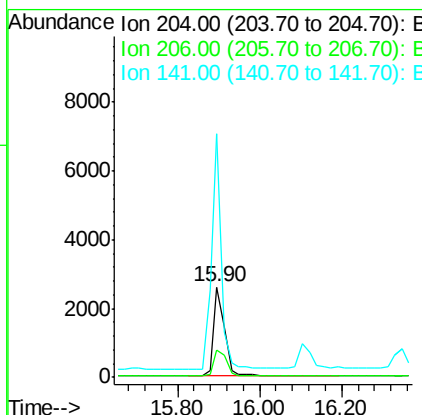
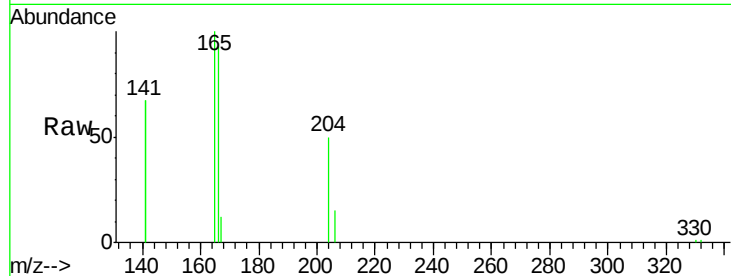




#23
4-Chlorophenyl-phenylether
Concen: 0.44 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

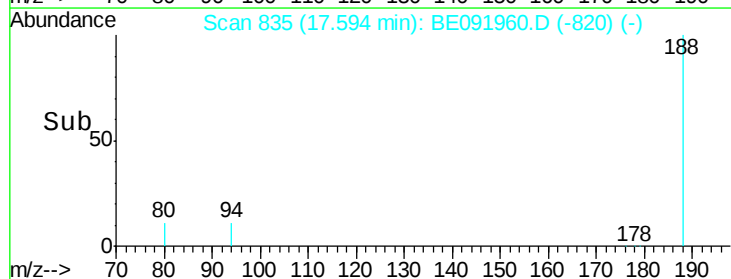
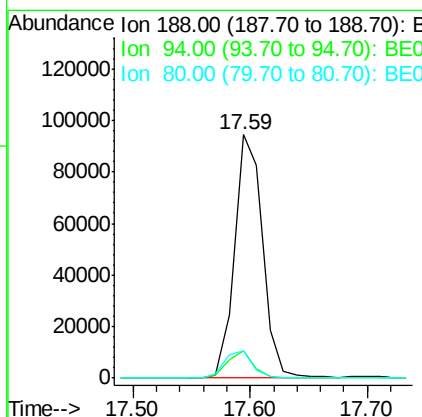
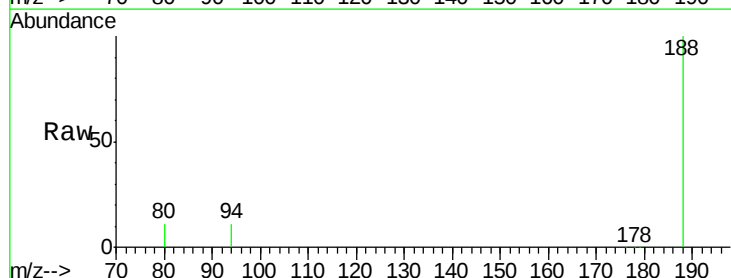
Instrument :
BNA_E
ClientSampleId :

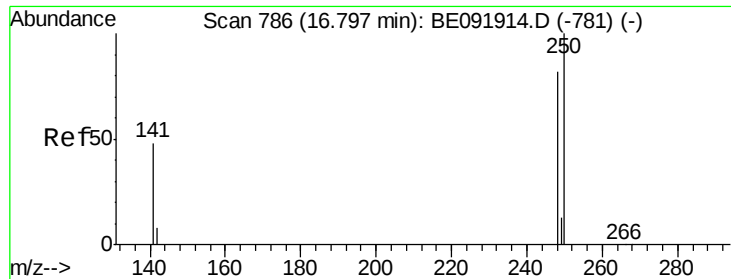
Tot Ion:204 Resp: 4607
Ion Ratio Lower Upper
204 100
206 33.4 27.8 41.6
141 241.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion:188 Resp: 157134
Ion Ratio Lower Upper
188 100
94 11.0 4.1 6.1#
80 11.0 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.46 ng

RT: 16.78 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

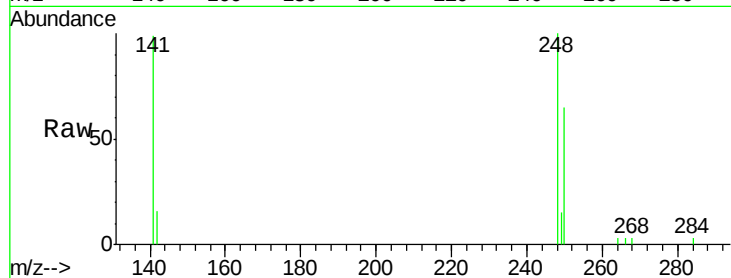
Tot Ion:248 Resp: 2775

Ion Ratio Lower Upper

248 100

250 96.4 75.7 113.5

141 80.4 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.78

1500

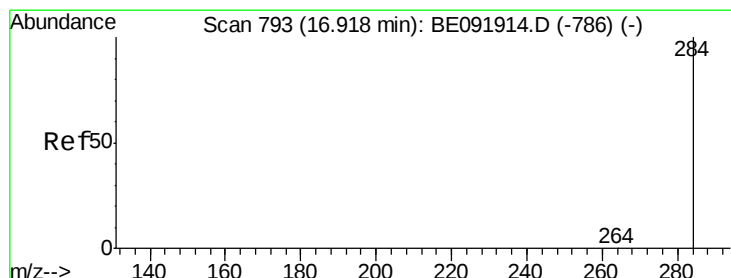
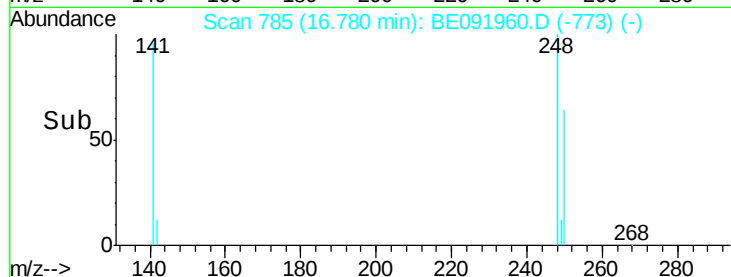
1000

500

0

16.70 16.80 16.90

Time-->



#26

Hexachlorobenzene

Concen: 0.44 ng

RT: 16.90 min Scan# 792

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

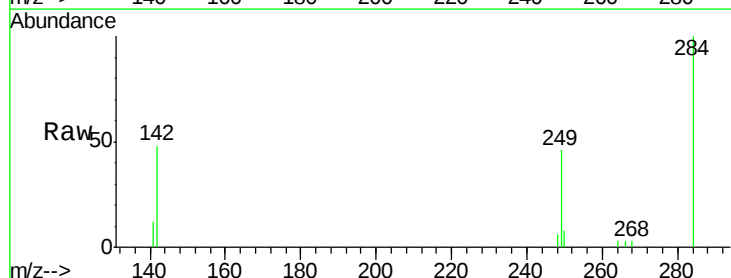
Tgt Ion:284 Resp: 2749

Ion Ratio Lower Upper

284 100

142 41.1 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

16.90

1500

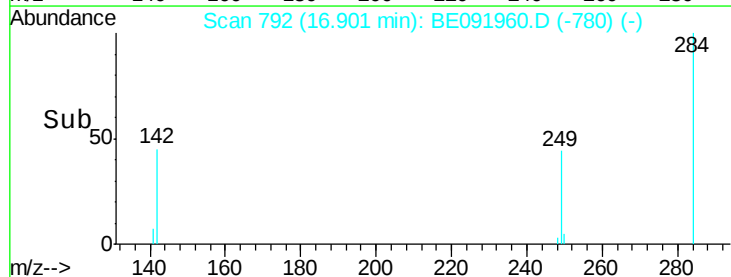
1000

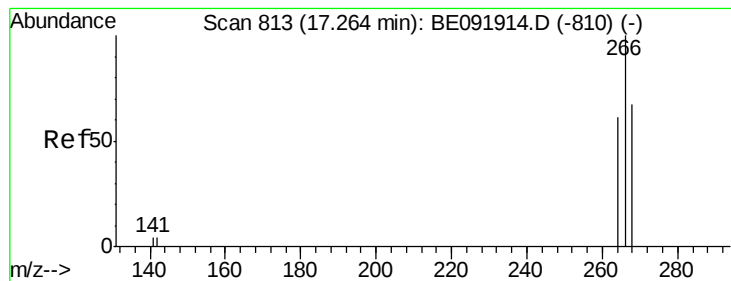
500

0

16.80 16.90 17.00

Time-->





#27

Pentachlorophenol

Concen: 0.33 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

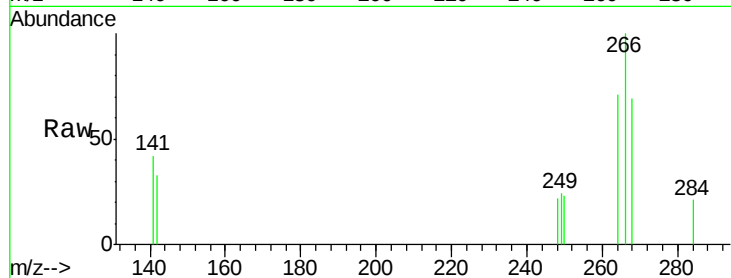
Tot Ion:266 Resp: 561

Ion Ratio Lower Upper

266 100

268 69.2 60.5 90.7

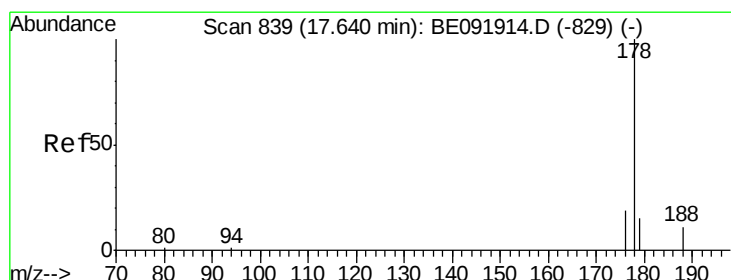
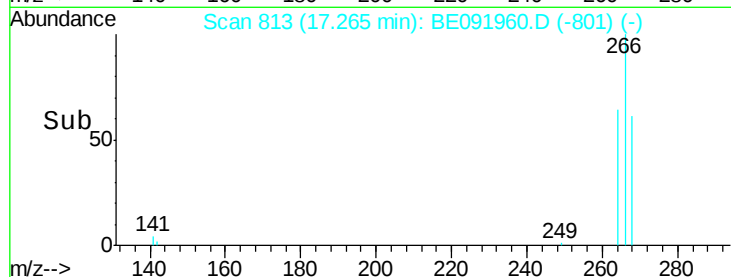
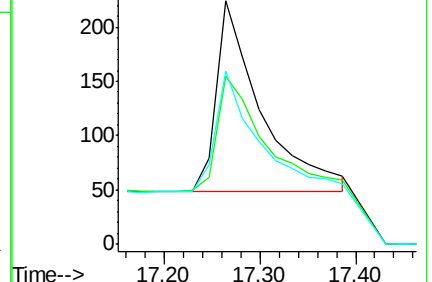
264 71.0 51.0 76.4



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: 0.43 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

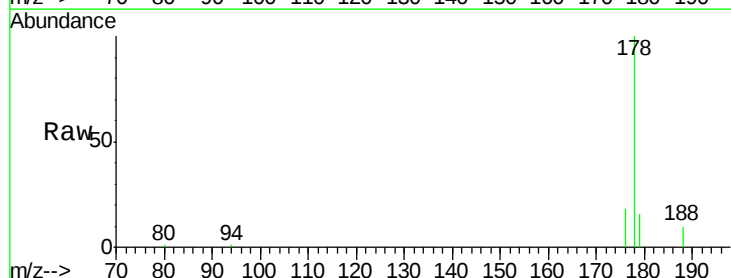
Tgt Ion:178 Resp: 16952

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

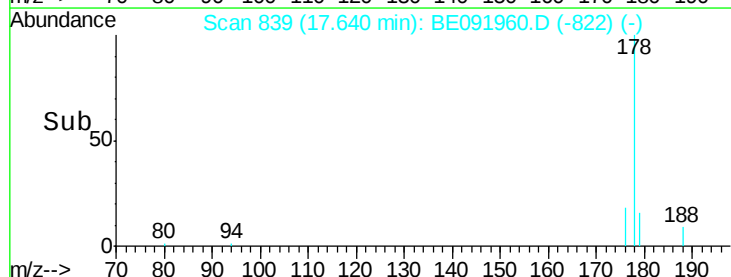
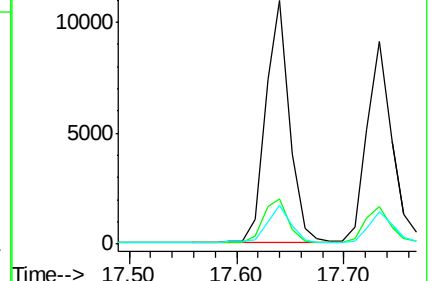
179 15.8 12.9 19.3

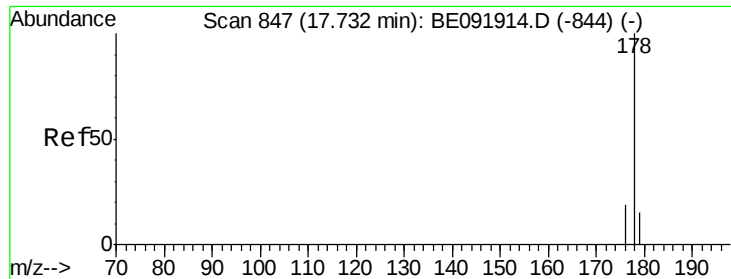


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.44 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampled :

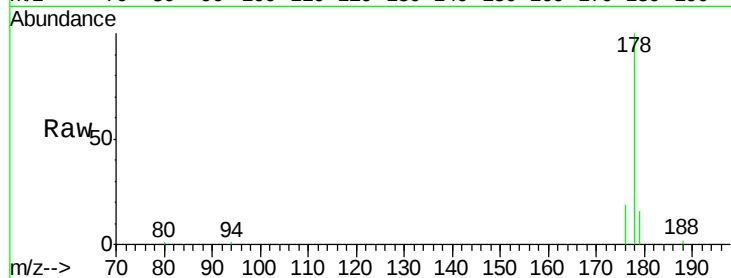
Tot Ion:178 Resp: 15134

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

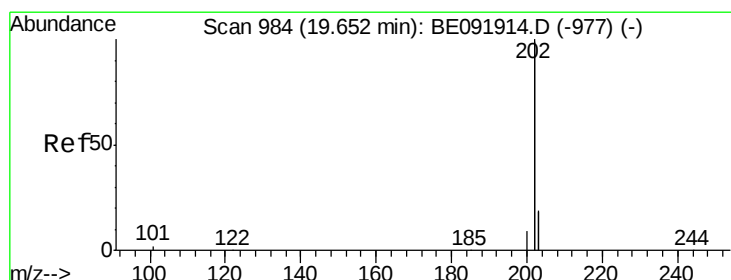
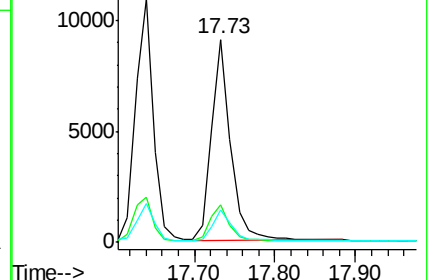
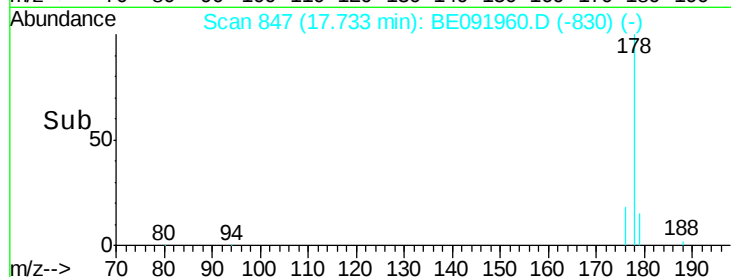
179 15.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.41 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

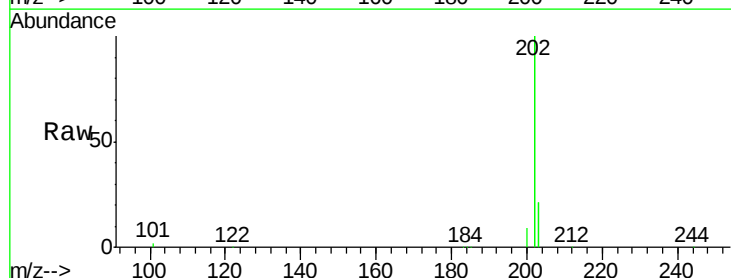
Tgt Ion:202 Resp: 69667

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

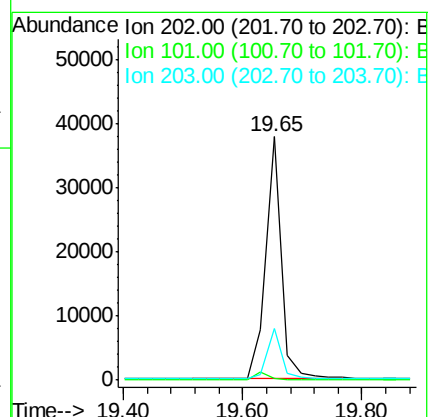
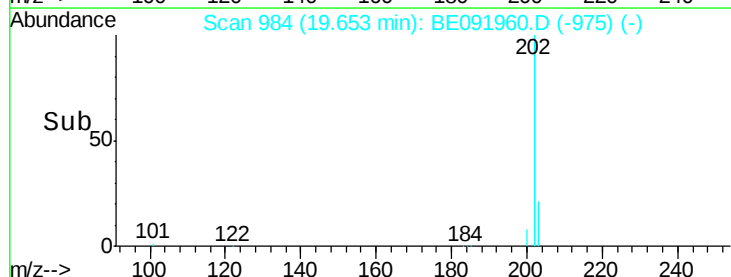
203 18.9 14.3 21.5



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

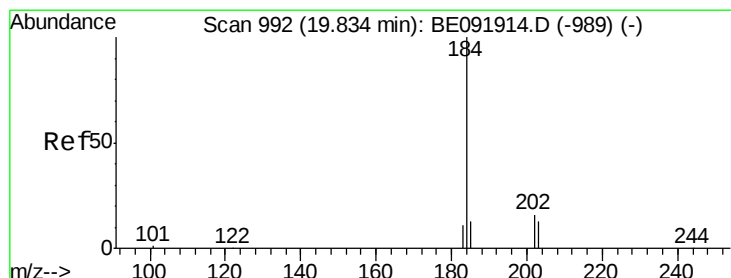
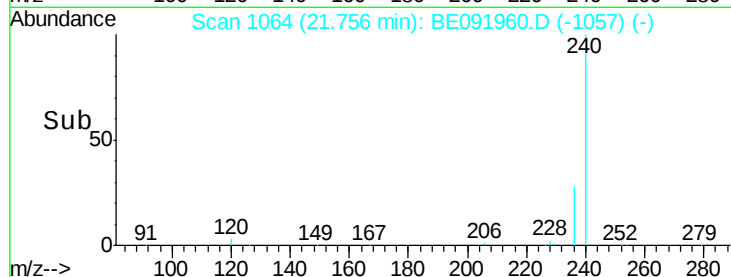
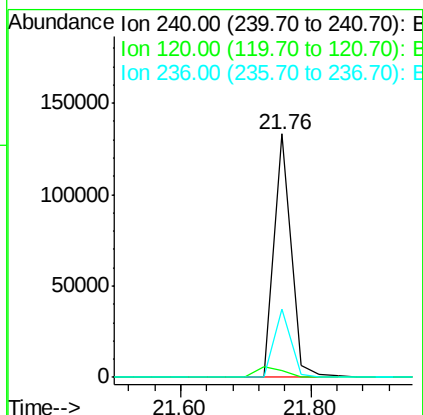
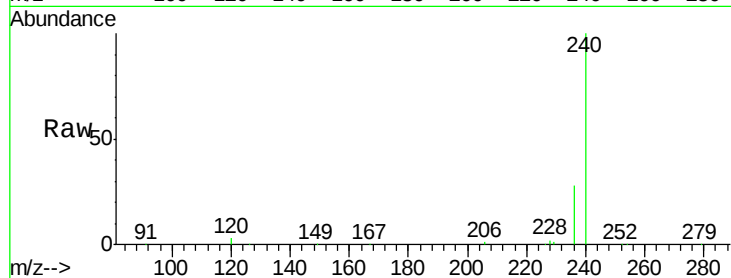




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

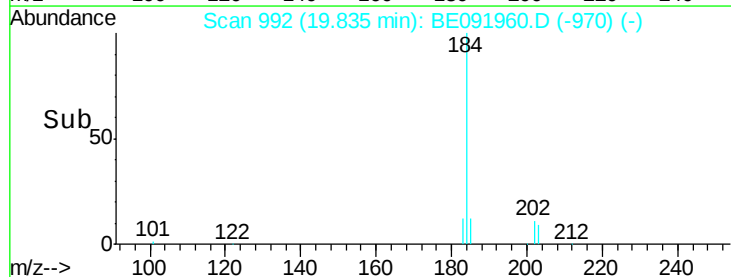
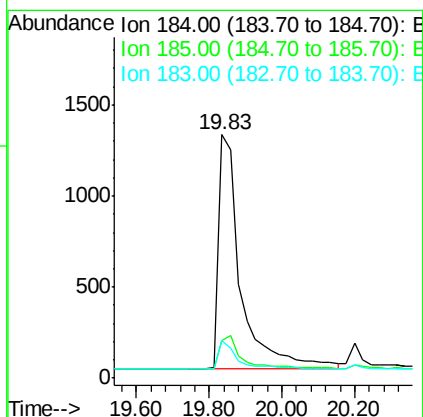
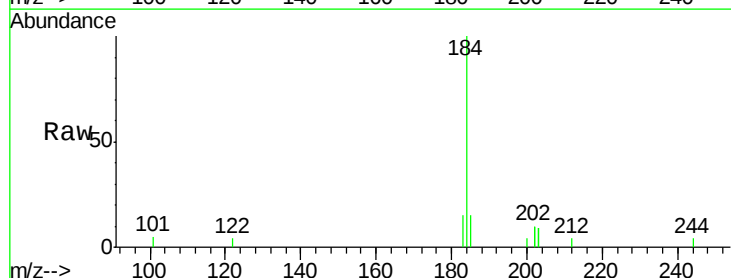
Instrument :
BNA_E
ClientSampleId :

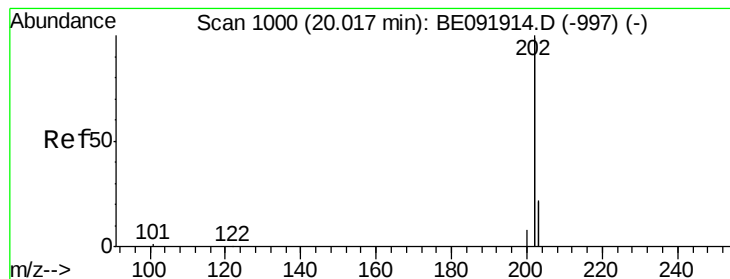
Tot Ion:240 Resp: 243033
Ion Ratio Lower Upper
240 100
120 2.8 1.2 1.8#
236 28.2 19.8 29.8



#32
Benzidine
Concen: 0.67 ng
RT: 19.83 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE091960.D
Acq: 5 Jul 2016 10:05

Tgt Ion:184 Resp: 5508
Ion Ratio Lower Upper
184 100
185 15.5 11.4 17.2
183 15.2 11.8 17.6





#33

Pvrene

Concen: 0.43 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

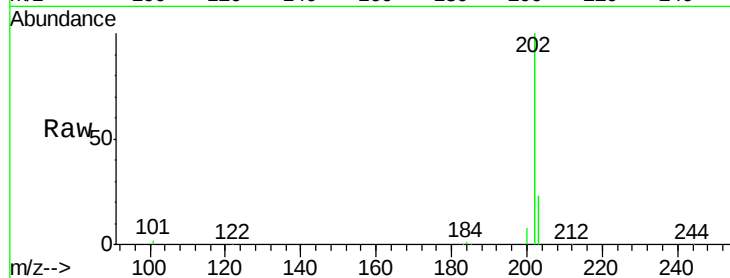
Tot Ion:202 Resp: 71433

Ion Ratio Lower Upper

202 100

200 5.2 16.9 25.3#

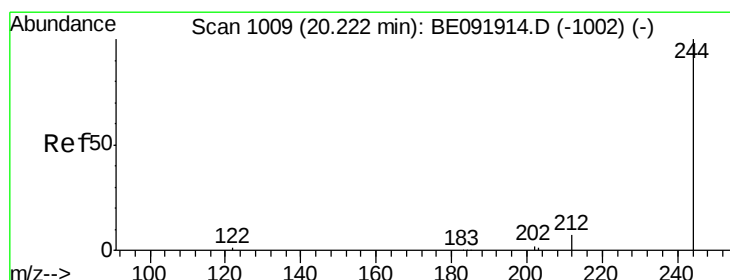
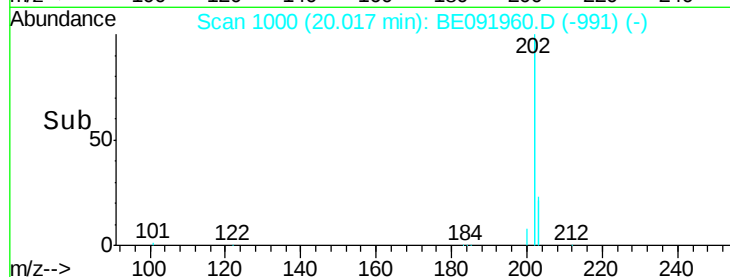
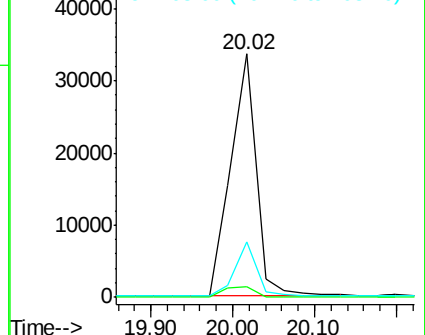
203 18.6 14.1 21.1



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: 0.39 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

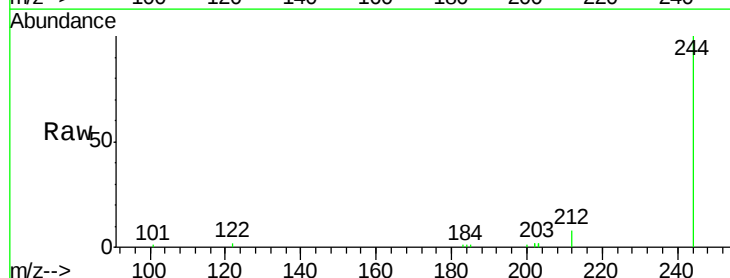
Tgt Ion:244 Resp: 11604

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

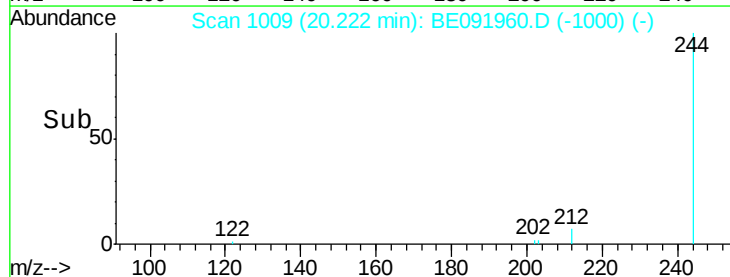
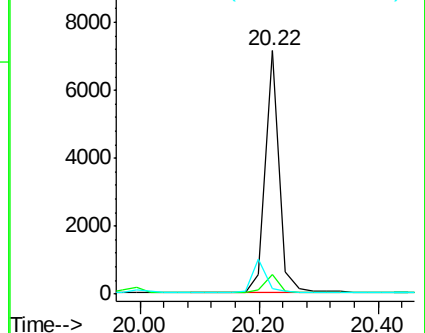
122 2.4 2.9 4.3#

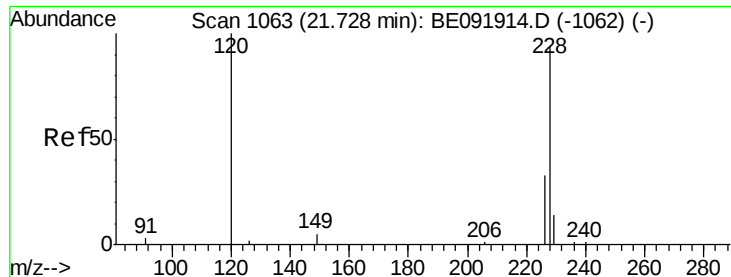


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 1.00 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

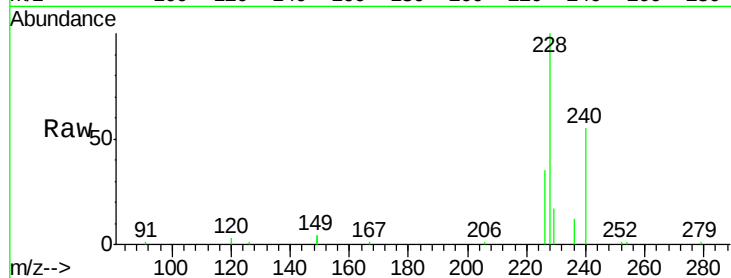
Tot Ion:228 Resp: 38340

Ion Ratio Lower Upper

228 100

226 35.1 21.0 31.4#

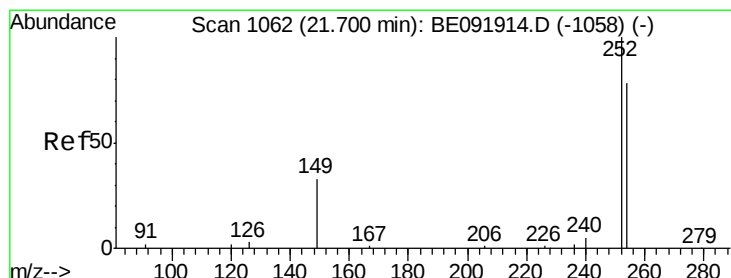
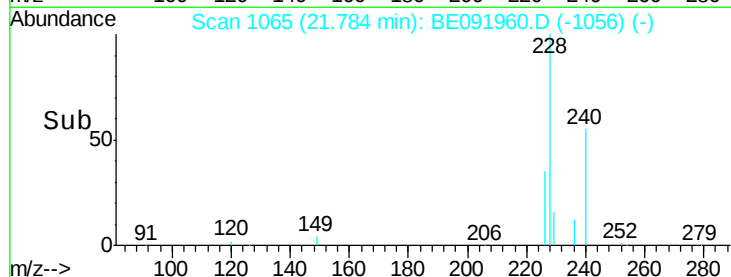
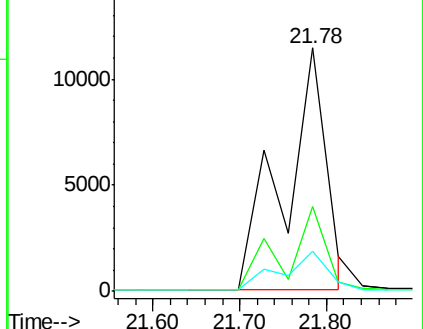
229 16.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.81 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

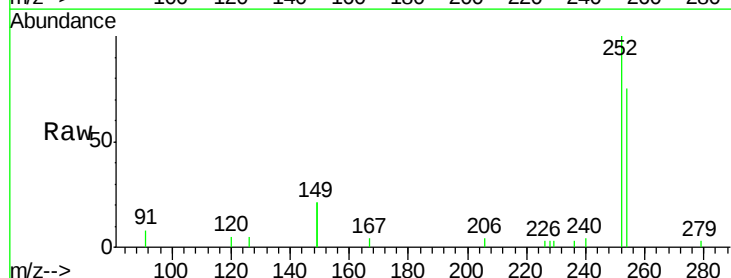
Tgt Ion:252 Resp: 5030

Ion Ratio Lower Upper

252 100

254 75.1 61.5 92.3

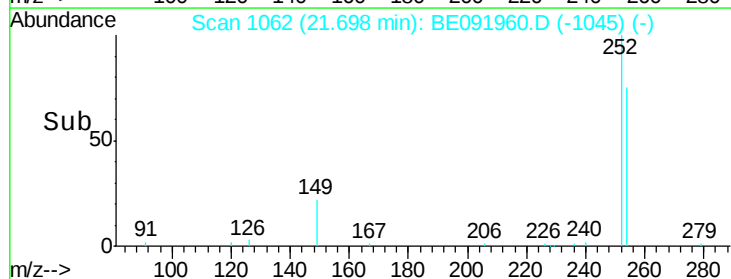
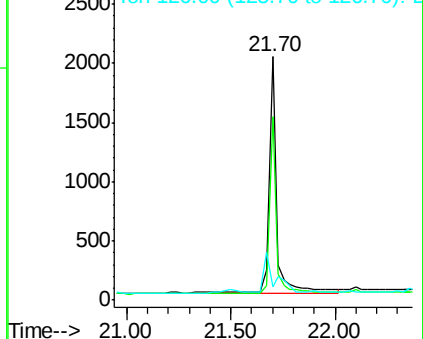
126 5.4 2.5 3.7#

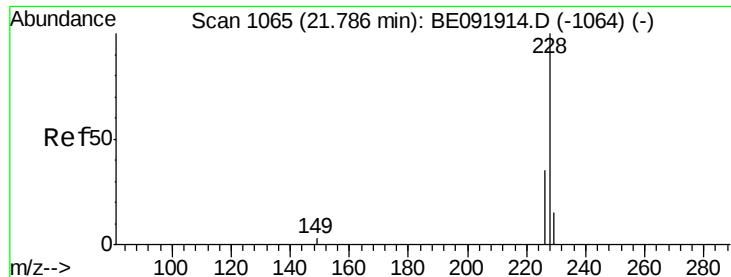


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

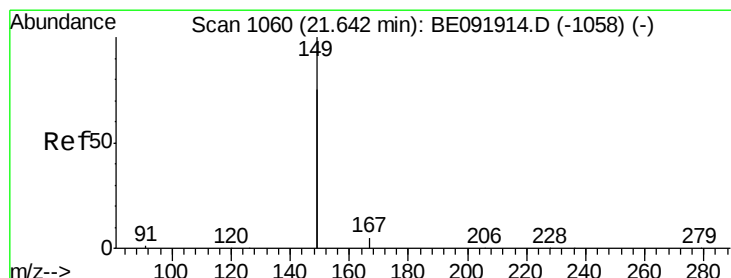
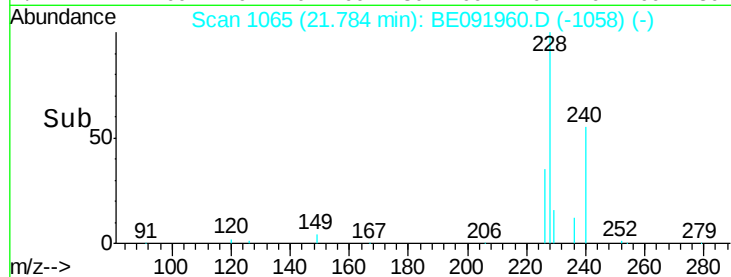
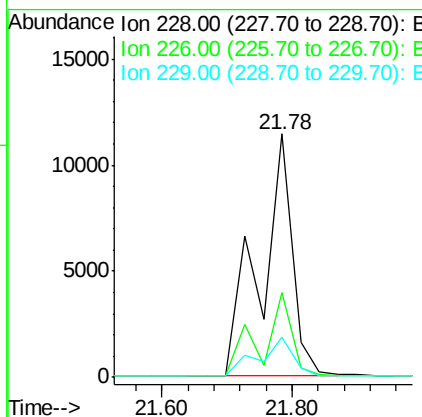
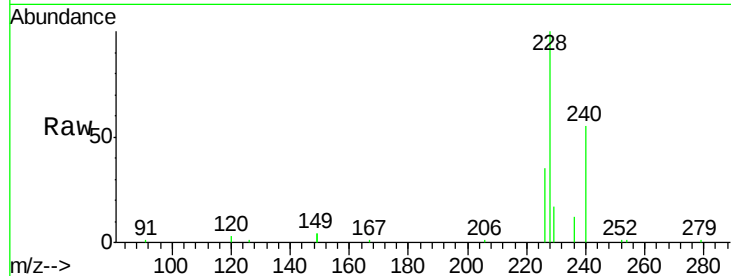




#37
 Chrysene
 Concen: 0.70 ng
 RT: 21.78 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BE091960.D
 Acq: 5 Jul 2016 10:05

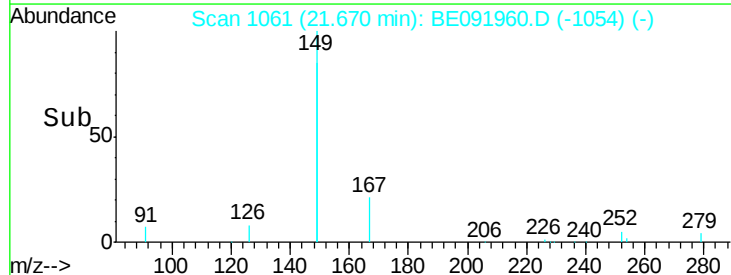
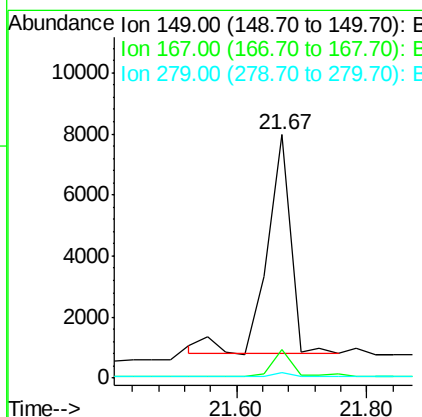
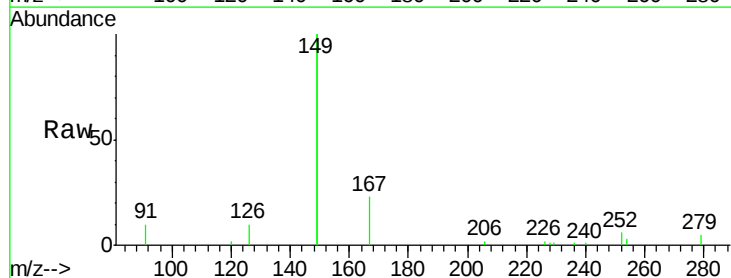
Instrument :
 BNA_E
 ClientSampled :

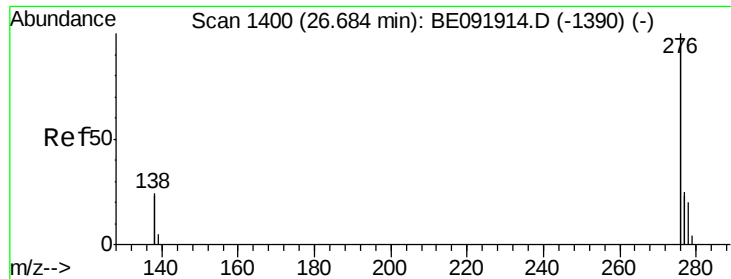
Tot Ion:228 Resp: 38919
 Ion Ratio Lower Upper
 228 100
 226 35.1 27.0 40.6
 229 16.6 13.8 20.8



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.64 ng
 RT: 21.67 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BE091960.D
 Acq: 5 Jul 2016 10:05

Tgt Ion:149 Resp: 18015
 Ion Ratio Lower Upper
 149 100
 167 9.1 0.0 0.0#
 279 1.5 0.0 0.0#

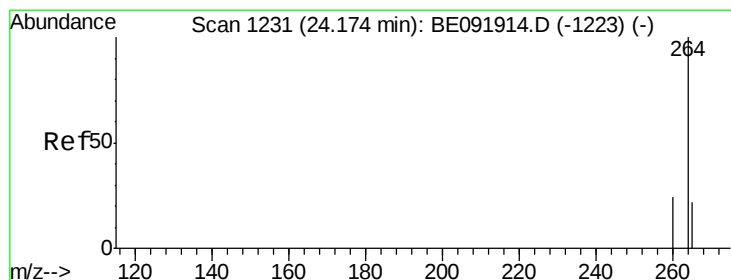
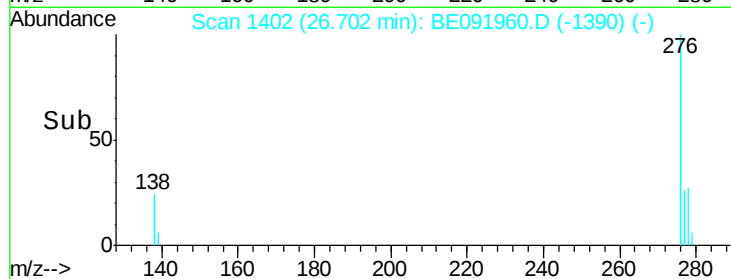
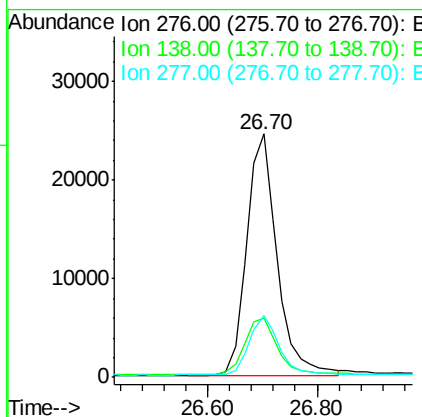
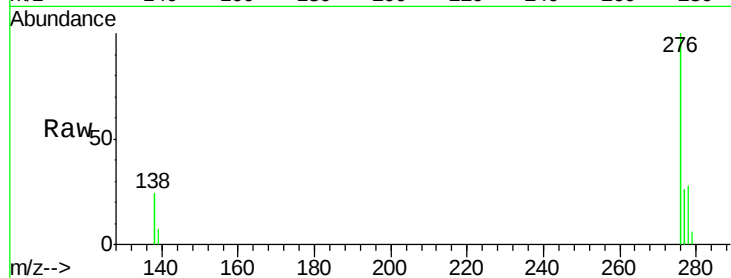




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.49 ng
 RT: 26.70 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: BE091960.D
 Acq: 5 Jul 2016 10:05

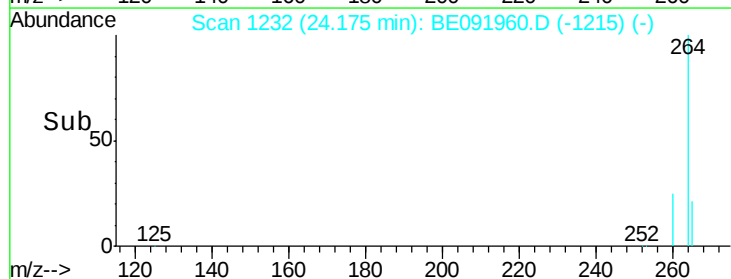
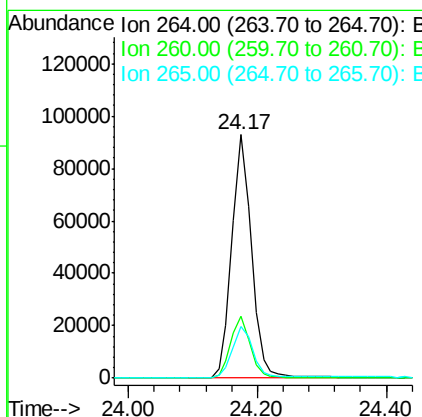
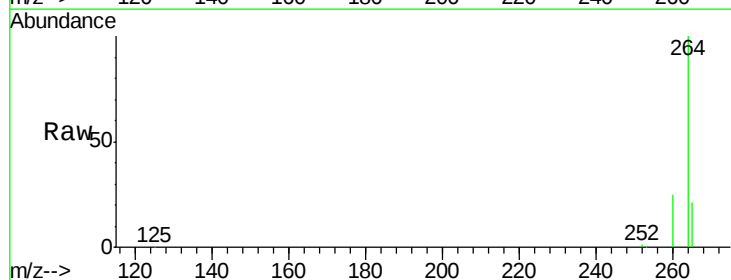
Instrument :
 BNA_E
 ClientSampleId :

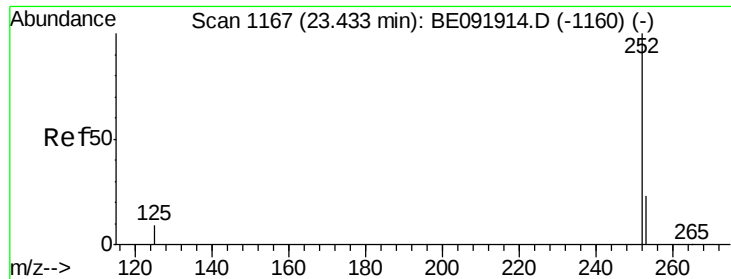
Tot Ion:276 Resp: 93552
 Ion Ratio Lower Upper
 276 100
 138 25.4 19.7 29.5
 277 24.5 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091960.D
 Acq: 5 Jul 2016 10:05

Tgt Ion:264 Resp: 196763
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.3 30.5
 265 21.2 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.43 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

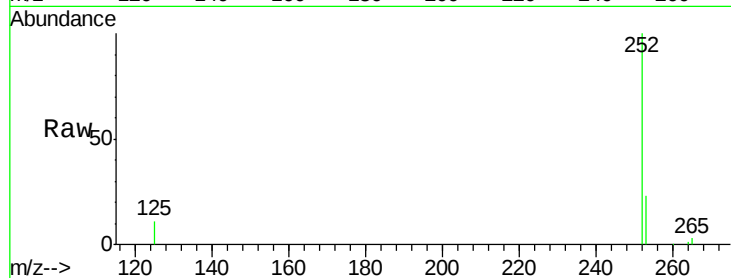
Tot Ion:252 Resp: 21526

Ion Ratio Lower Upper

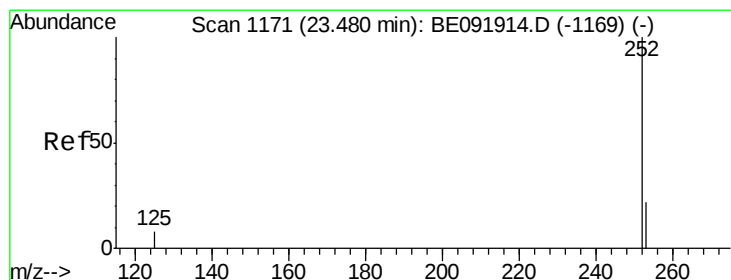
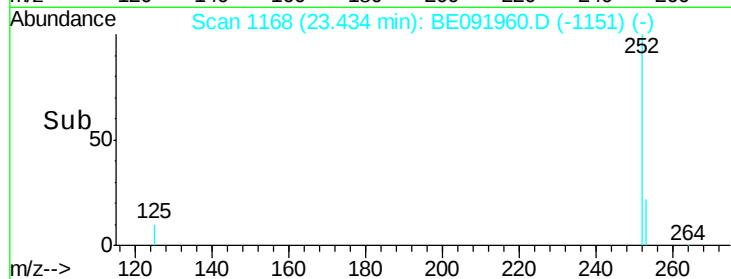
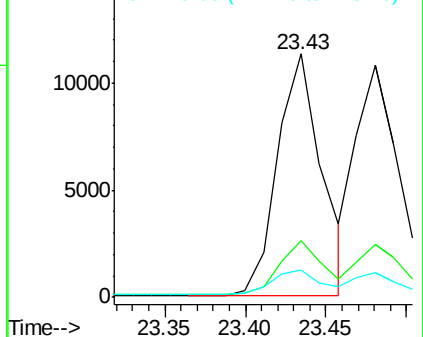
252 100

253 23.1 17.8 26.6

125 11.1 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: 0.45 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

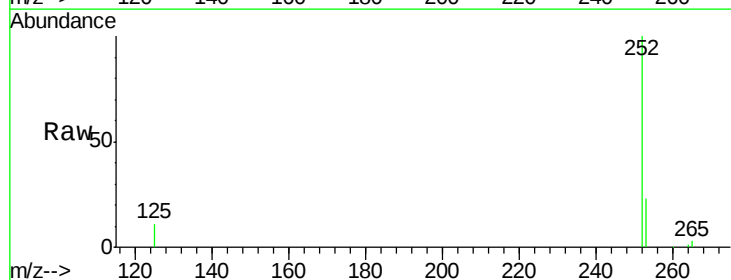
Tgt Ion:252 Resp: 20720

Ion Ratio Lower Upper

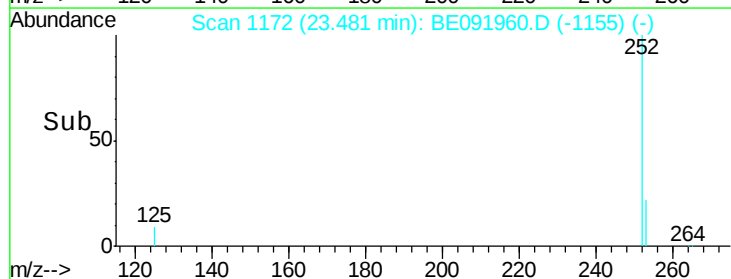
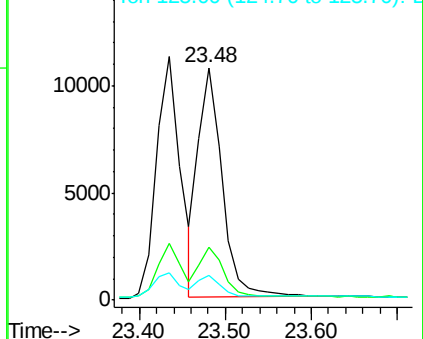
252 100

253 22.6 19.4 29.2

125 10.5 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: 0.46 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :

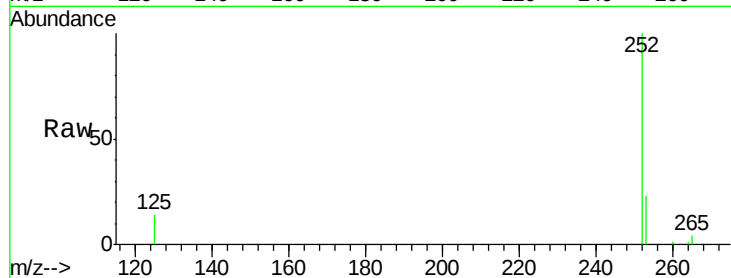
Tot Ion:252 Resp: 20306

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

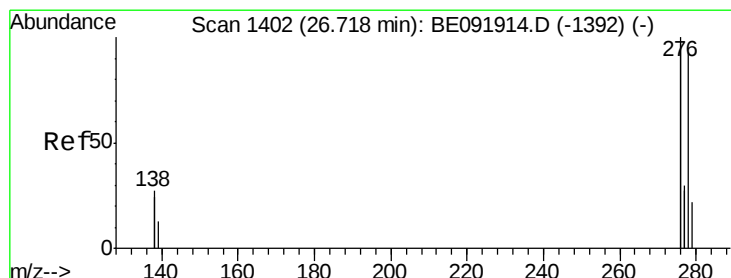
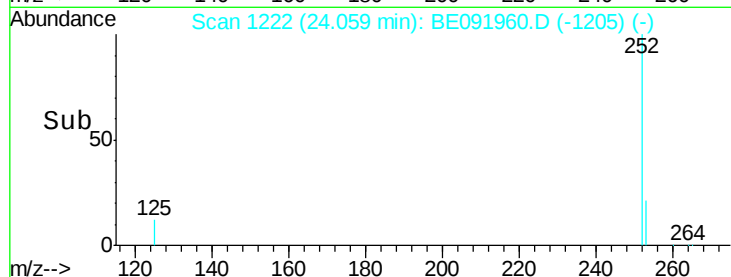
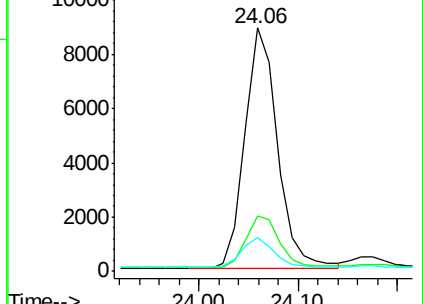
125 13.8 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.44 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

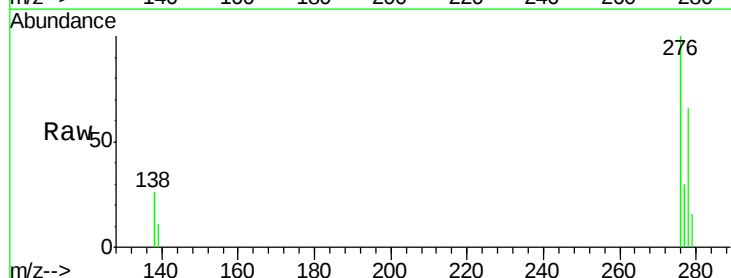
Tgt Ion:278 Resp: 18888

Ion Ratio Lower Upper

278 100

139 17.2 12.6 18.8

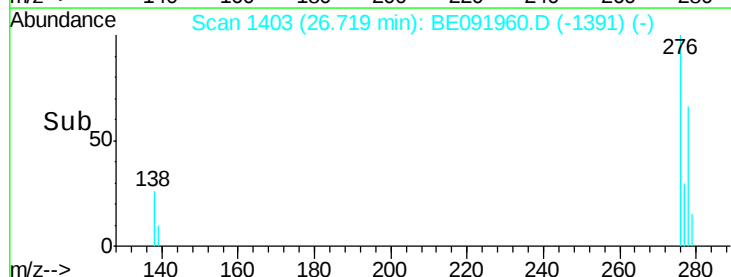
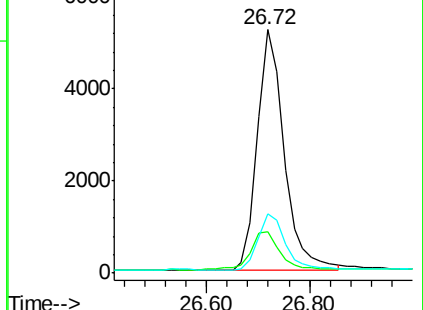
279 24.5 20.0 30.0

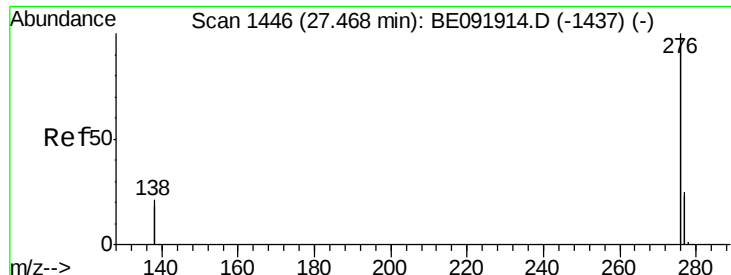


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.44 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

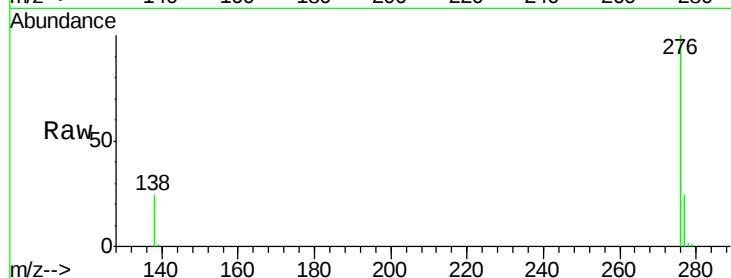
Lab File: BE091960.D

Acq: 5 Jul 2016 10:05

Instrument :

BNA_E

ClientSampleId :



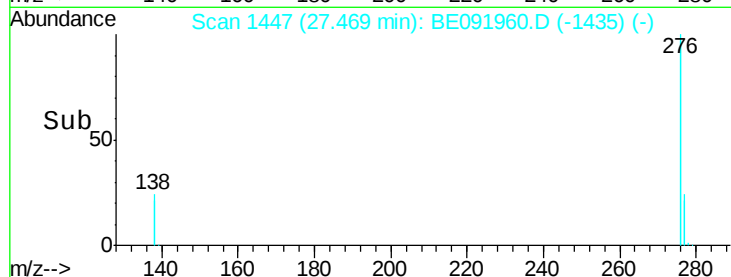
Tot Ion: 276 Resp: 78263

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 23.5 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

