

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091878.D
 Acq On : 7 Jun 2016 11:31
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 07 12:58:33 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 12:57:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	20718	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	93934	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	53281	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	166739	5.00	ng	0.00
31) Chrysene-d12	21.30	240	135552	5.00	ng	0.00
40) Perylene-d12	23.71	264	196950	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1757	0.30	ng	0.00
5) Phenol-d6	6.96	99	2099	0.27	ng	0.00
9) Nitrobenzene-d5	8.94	82	2626	0.34	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	563	0.24	ng	0.00
17) 2-Fluorobiphenyl	13.01	172	7045	0.44	ng	0.00
34) Terphenyl-d14	19.74	244	11793	0.58	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	1364	0.45	ng	98
3) n-Nitrosodimethylamine	3.61	42	1441	0.38	ng	# 86
6) bis(2-Chloroethyl)ether	7.20	93	2360	0.36	ng	98
7) n-Nitroso-di-n-propylamine	8.57	70	1828	0.30	ng	# 90
10) Nitrobenzene	8.96	77	2242	0.30	ng	# 100
11) bis(2-Chloroethoxy)methane	9.98	93	3603	0.40	ng	# 1
12) Naphthalene	10.59	128	8588	0.42	ng	95
13) Hexachlorobutadiene	10.88	225	1288	0.41	ng	99
14) 2-Methylnaphthalene	12.22	142	5351	0.39	ng	99
18) Acenaphthylene	14.10	152	9773	0.37	ng	99
19) 2,6-Dinitrotoluene	13.98	165	940	0.26	ng	# 81
20) Acenaphthene	14.44	154	6181	0.43	ng	99
21) 2,4-Dinitrotoluene	14.78	165	1004	0.24	ng	# 1
22) Fluorene	15.44	166	7417	0.40	ng	99
23) 4-Chlorophenyl-phenylether	15.42	204	3784	0.40	ng	99
25) 4-Bromophenyl-phenylether	16.32	248	2249	0.38	ng	97
26) Hexachlorobenzene	16.44	284	2406	0.42	ng	99
27) Pentachlorophenol	16.78	266	663	0.30	ng	90
28) Phenanthrene	17.17	178	15060	0.41	ng	99
29) Anthracene	17.26	178	12524	0.38	ng	100
30) Fluoranthene	19.19	202	15616	0.37	ng	99
32) Benzidine	19.38	184	3244	0.30	ng	# 95
33) Pyrene	19.53	202	16377	0.57	ng	99
35) Benzo(a)anthracene	21.27	228	143987	3.99	ng	# 87
36) 3,3'-Dichlorobenzidine	21.21	252	3419	0.17	ng	# 76
37) Chrysene	21.27	228	145955	4.40	ng	# 77
38) Bis(2-ethylhexyl)phthalate	21.19	149	6442	0.49	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	20043	0.59	ng	# 75
41) Benzo(b)fluoranthene	22.98	252	19454	0.37	ng	97
42) Benzo(k)fluoranthene	23.03	252	19813	0.41	ng	98
43) Benzo(a)pyrene	23.59	252	17507	0.36	ng	96
44) Dibenzo(a,h)anthracene	26.31	278	16493	0.36	ng	# 95
45) Benzo(a,h,i)perylene	27.07	276	17890	0.38	ng	# 94

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QLast Update : Tue Jun 07 12:57:19 2016
Response via : Initial Calibration

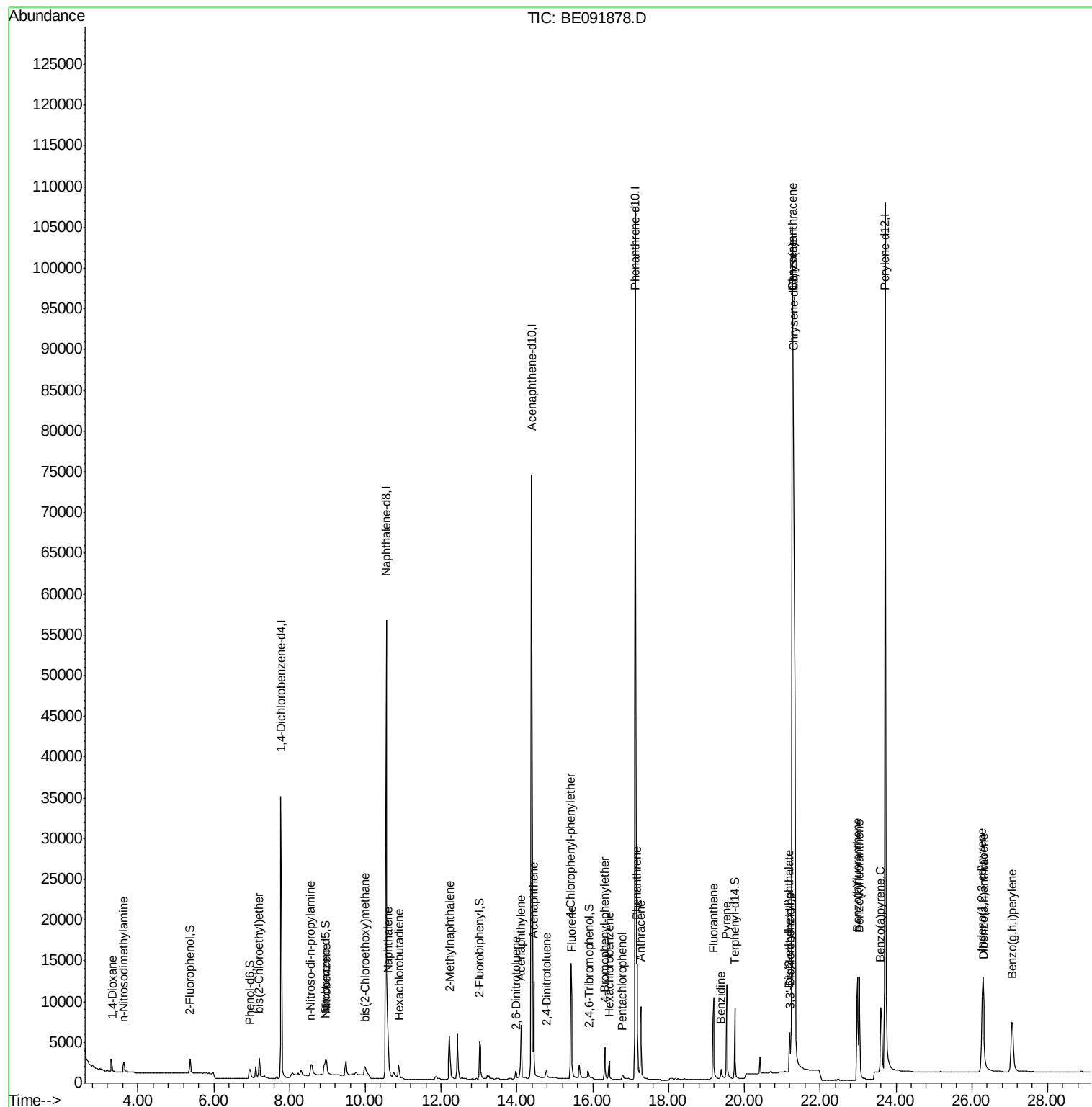
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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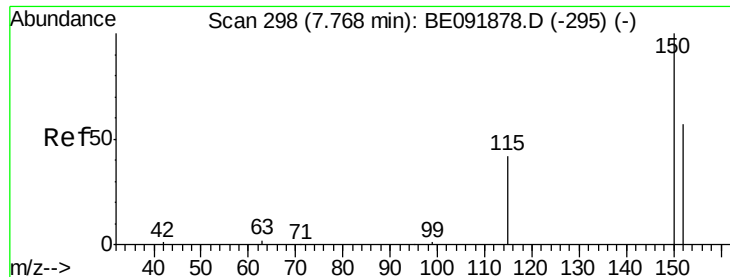
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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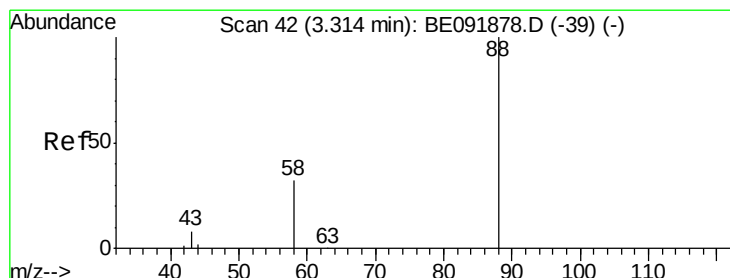
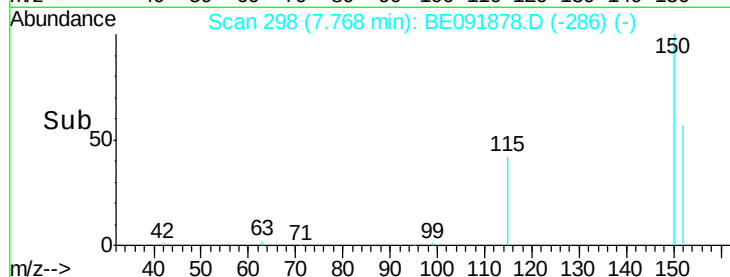
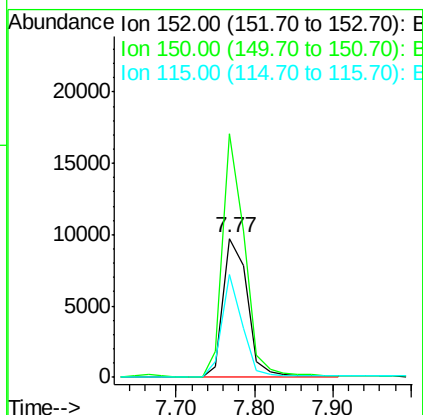
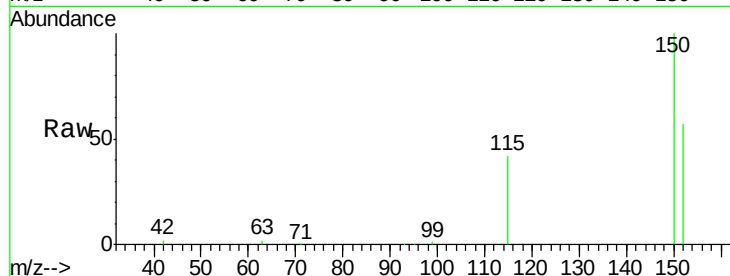


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Instrument :
BNA_E
ClientSampleId :

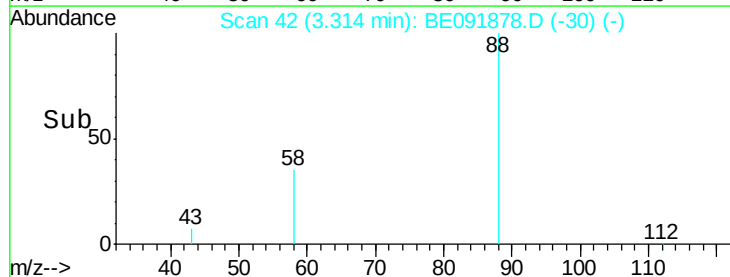
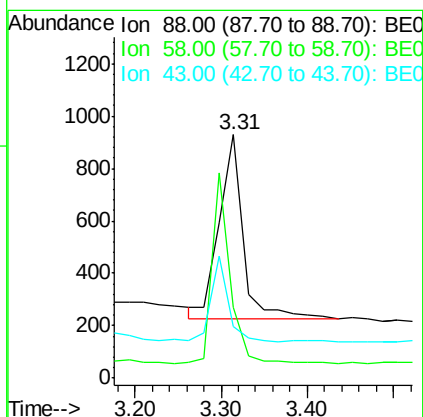
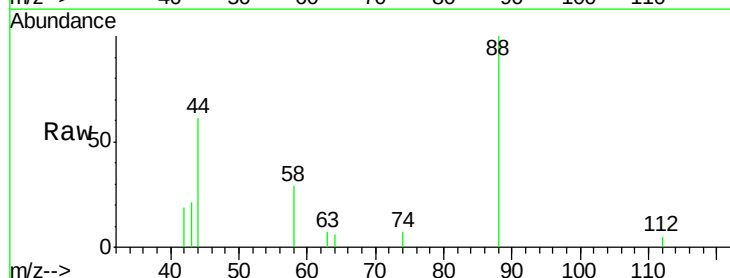
Tot Ion:152 Resp: 20718
Ion Ratio Lower Upper
152 100
150 174.8 123.9 185.9
115 74.2 48.3 72.5#

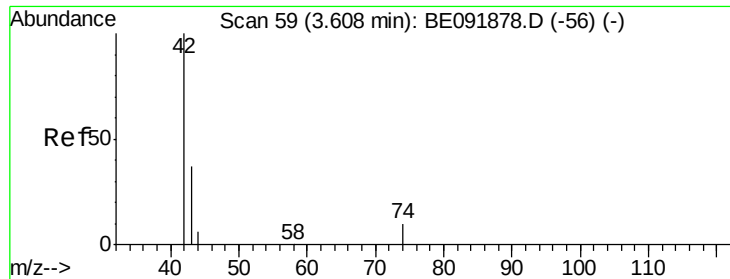


#2

1,4-Dioxane
Concen: 0.45 ng
RT: 3.31 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion: 88 Resp: 1364
Ion Ratio Lower Upper
88 100
58 77.6 63.0 94.4
43 34.1 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 0.38 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

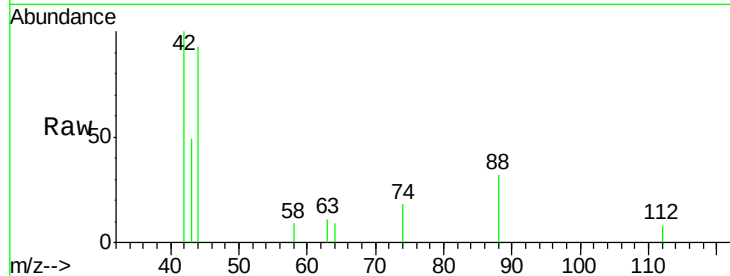
Tot Ion: 42 Resp: 1441

Ion Ratio Lower Upper

42 100

74 101.1 93.4 140.0

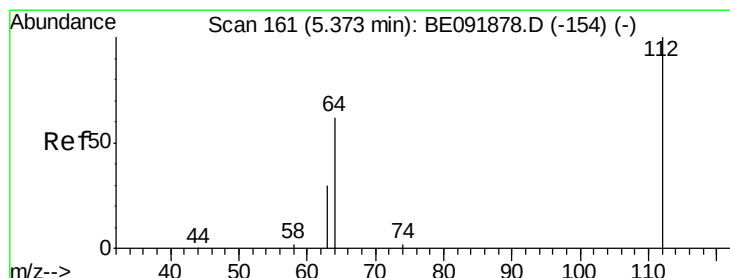
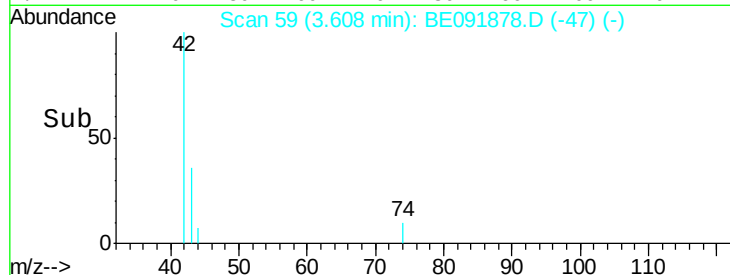
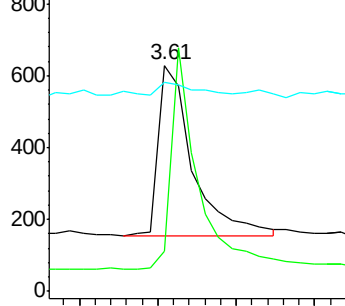
44 7.8 5.0 7.6#



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: 0.30 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

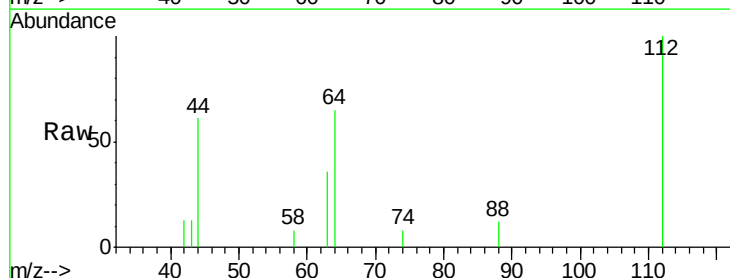
Tgt Ion: 112 Resp: 1757

Ion Ratio Lower Upper

112 100

64 65.3 53.7 80.5

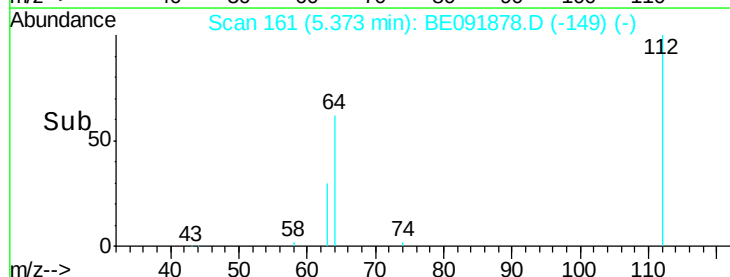
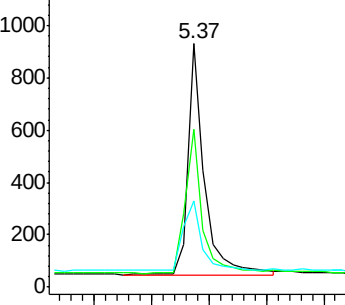
63 35.1 29.5 44.3

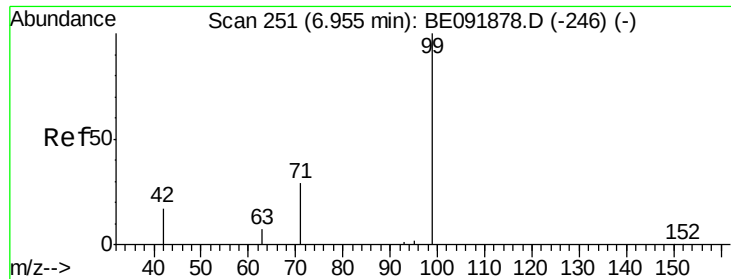


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.27 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

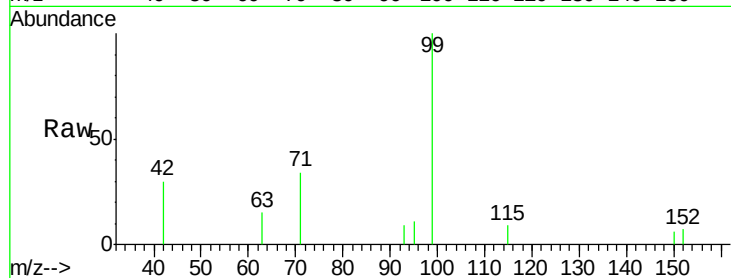
Tot Ion: 99 Resp: 2099

Ion Ratio Lower Upper

99 100

42 25.6 19.6 29.4

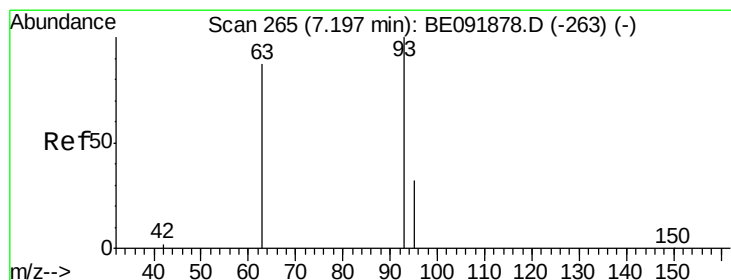
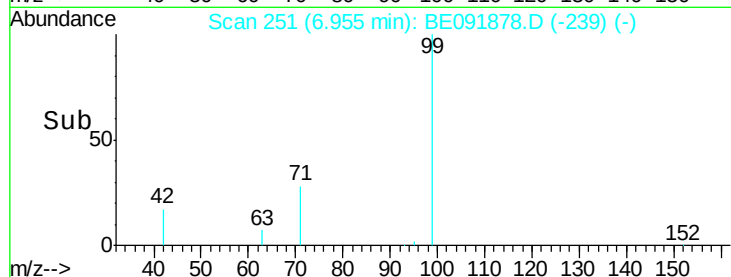
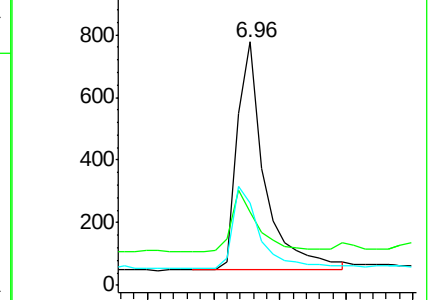
71 36.7 28.1 42.1



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: 0.36 ng

RT: 7.20 min Scan# 265

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

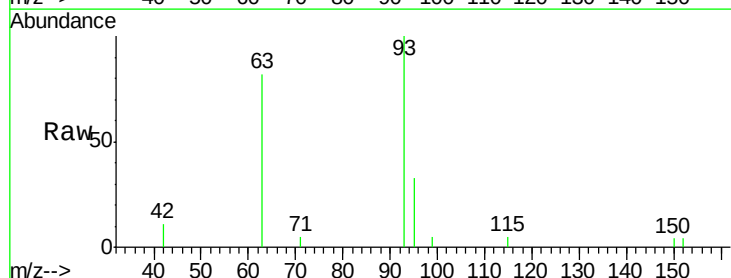
Tgt Ion: 93 Resp: 2360

Ion Ratio Lower Upper

93 100

63 80.8 66.2 99.4

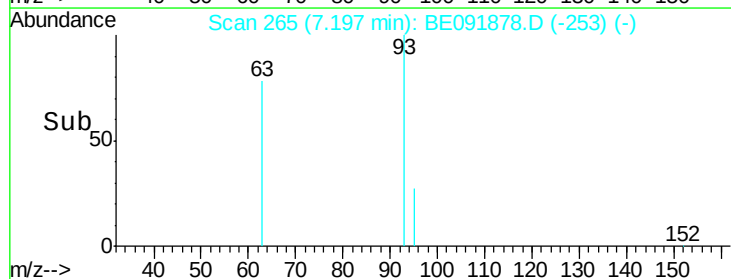
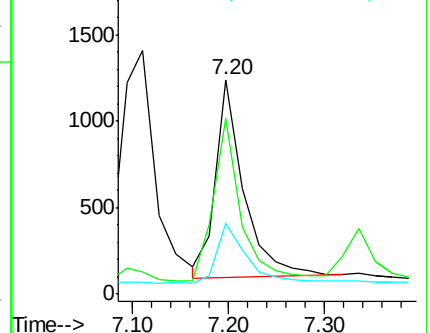
95 33.3 25.5 38.3

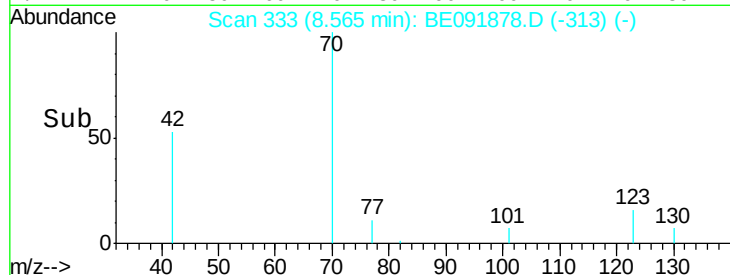
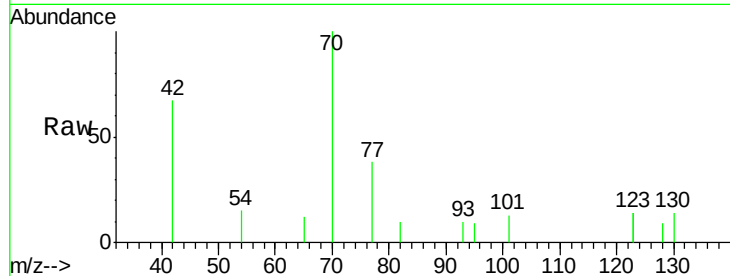
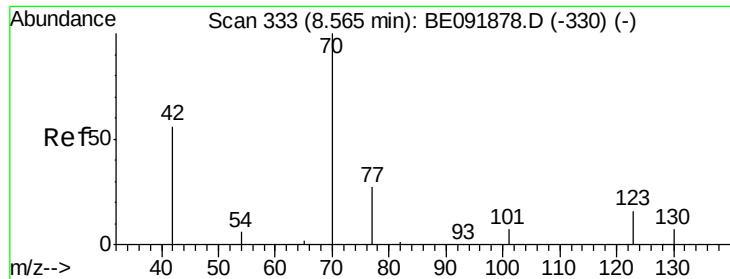


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.30 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 1828

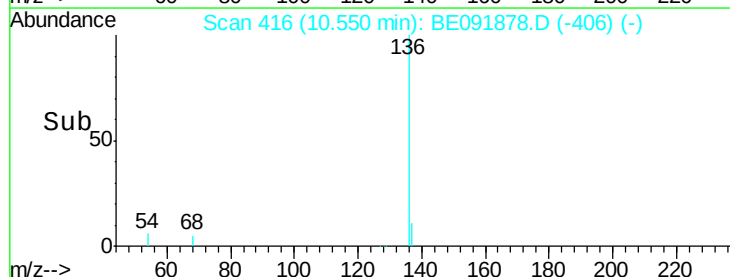
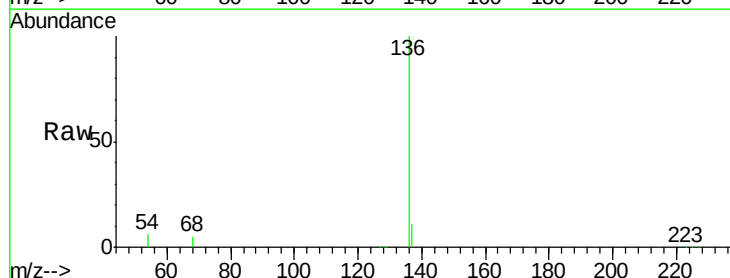
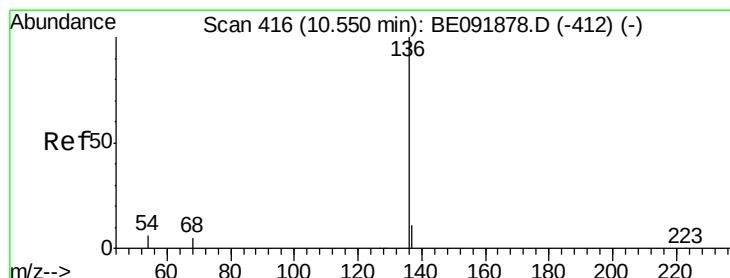
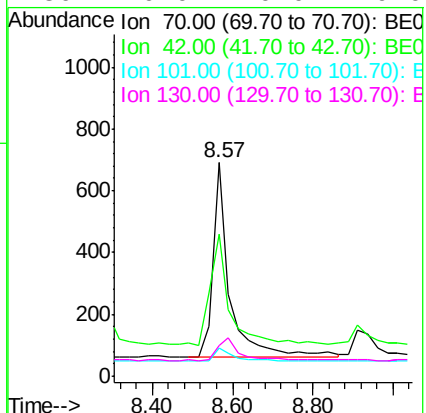
Ion Ratio Lower Upper

70 100

42 64.1 58.4 87.6

101 8.8 6.4 9.6

130 0.0 0.0 0.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Tgt Ion: 136 Resp: 93934

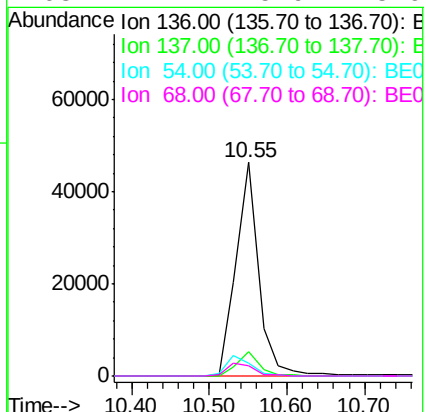
Ion Ratio Lower Upper

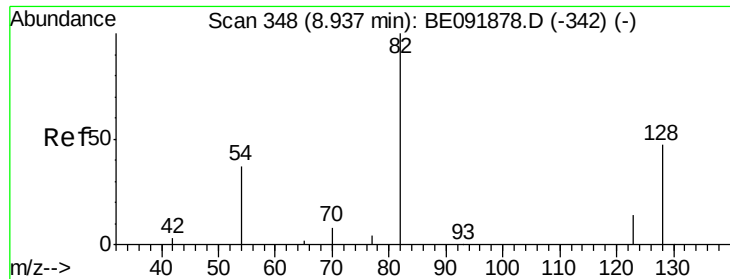
136 100

137 11.4 8.3 12.5

54 5.9 8.2 12.4#

68 4.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.34 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

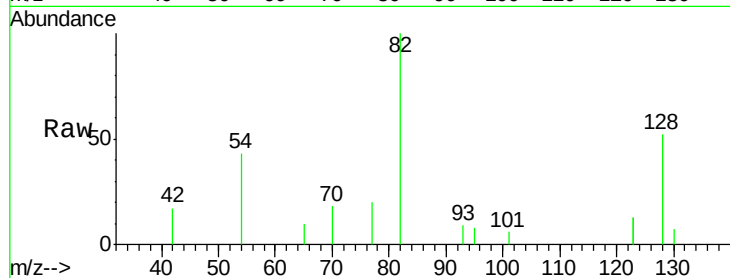
Tot Ion: 82 Resp: 2626

Ion Ratio Lower Upper

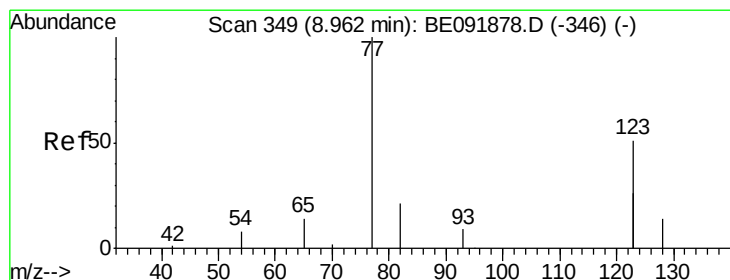
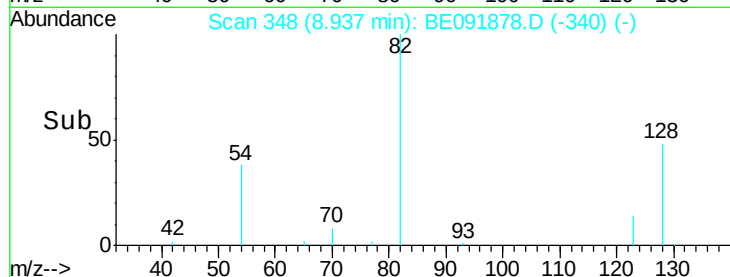
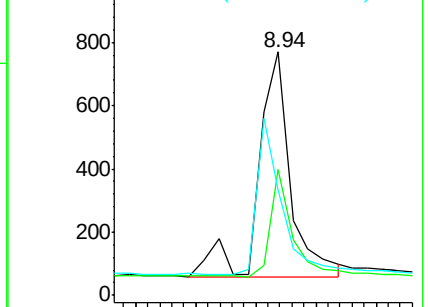
82 100

128 51.7 39.5 59.3

54 43.4 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.30 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

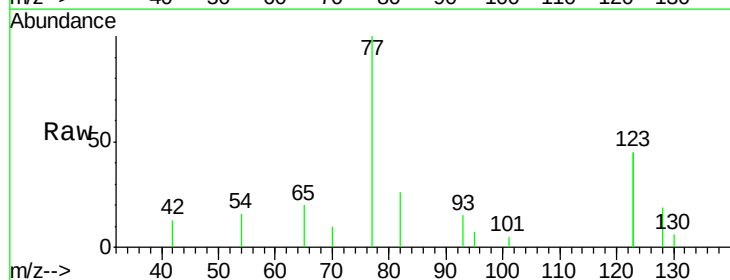
Tgt Ion: 77 Resp: 2242

Ion Ratio Lower Upper

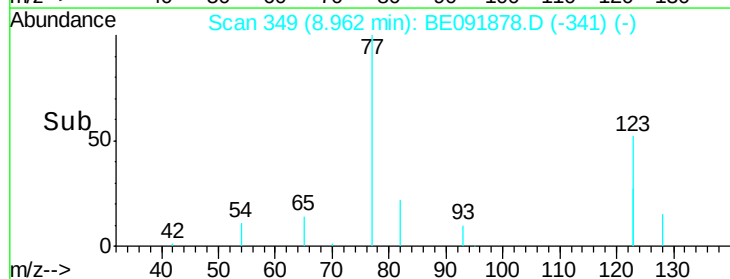
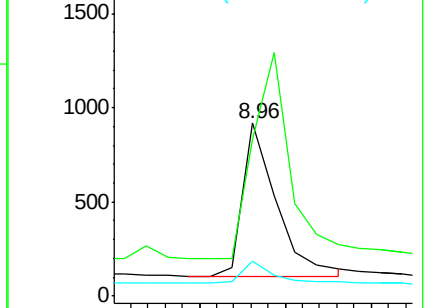
77 100

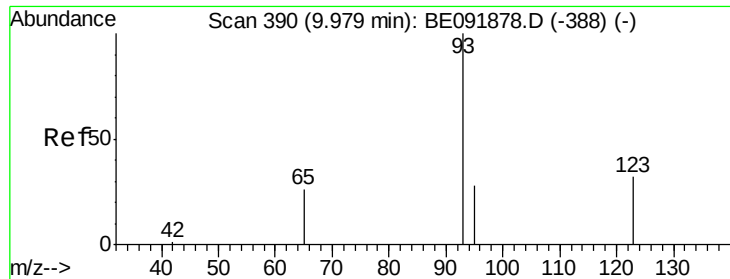
123 0.0 0.0 0.0

65 13.9 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

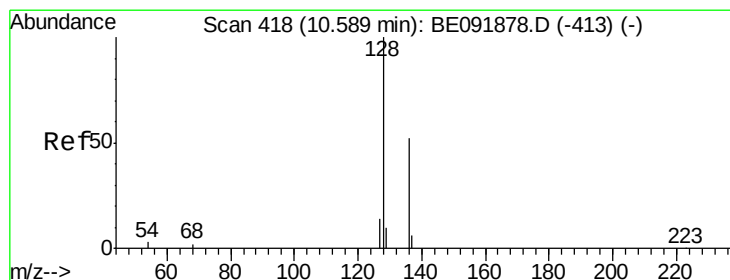
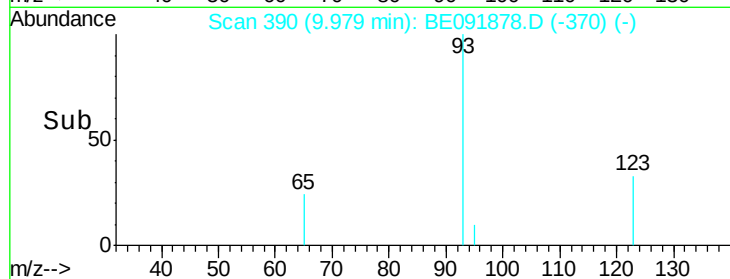
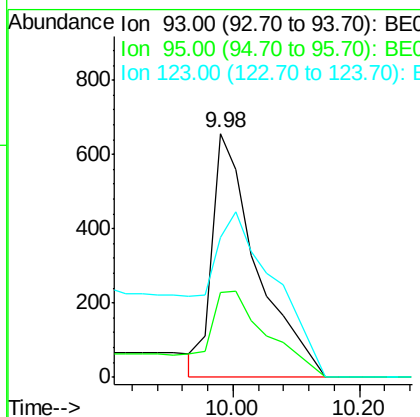
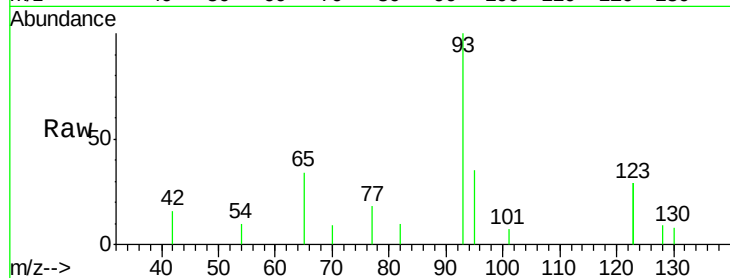




#11
bis(2-Chloroethoxy)methane
Concen: 0.40 ng
RT: 9.98 min Scan# 390
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

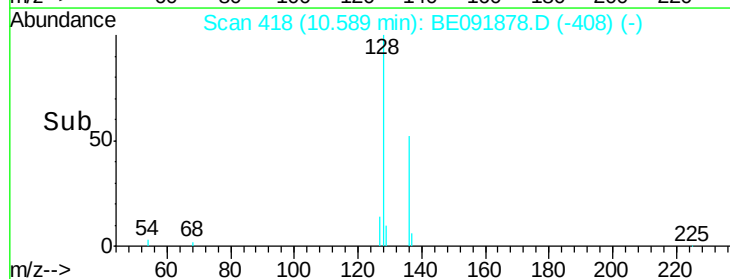
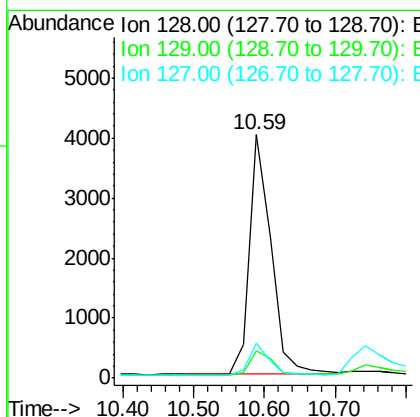
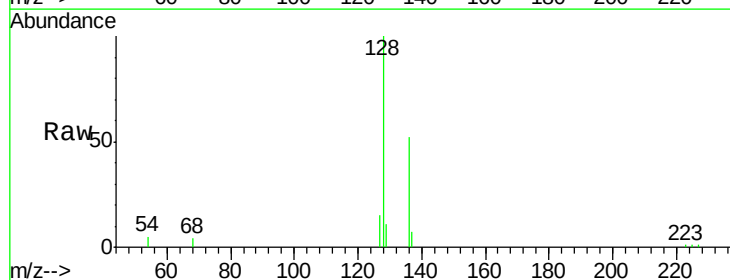
Instrument :
BNA_E
ClientSampleId :

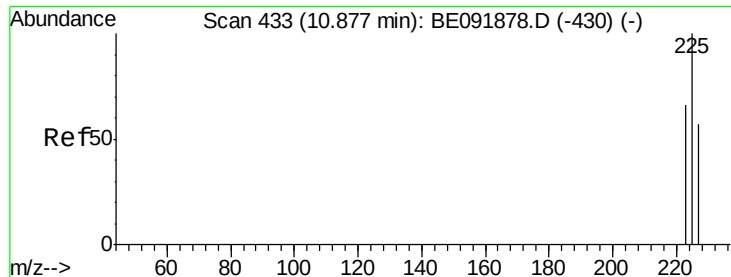
Tot Ion: 93 Resp: 3603
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 0.42 ng
RT: 10.59 min Scan# 418
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion: 128 Resp: 8588
Ion Ratio Lower Upper
128 100
129 11.2 10.4 15.6
127 14.6 10.2 15.2

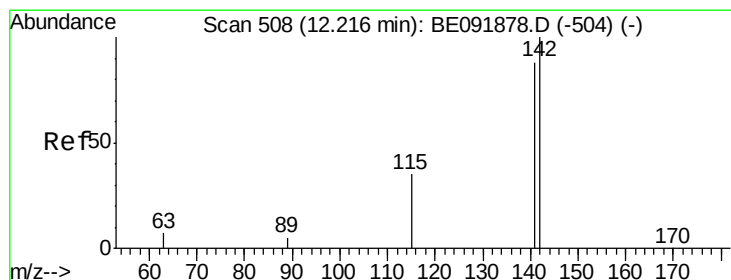
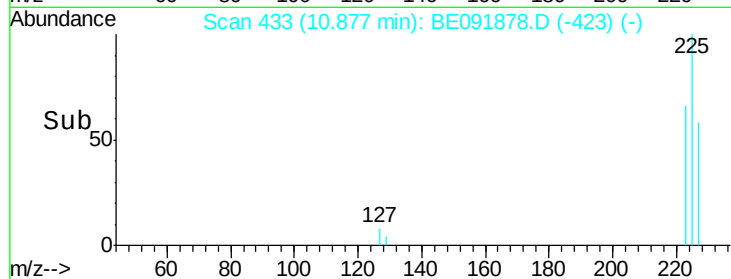
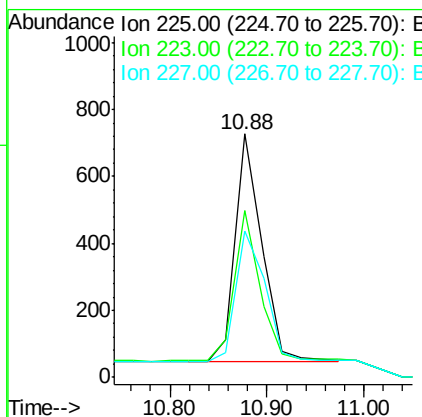
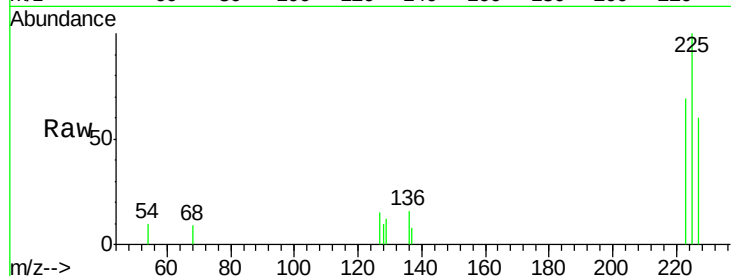




#13
Hexachlorobutadiene
Concen: 0.41 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

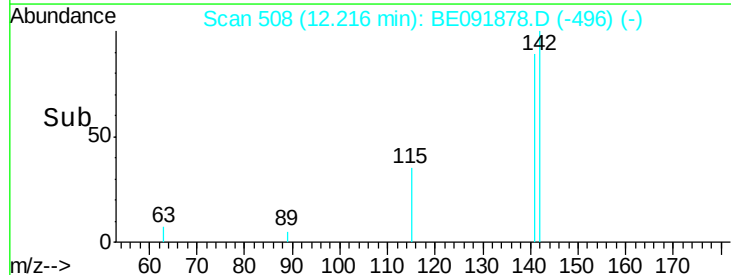
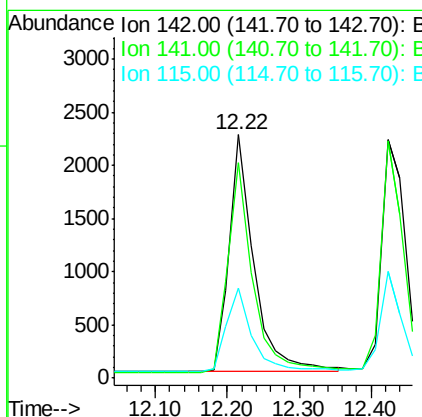
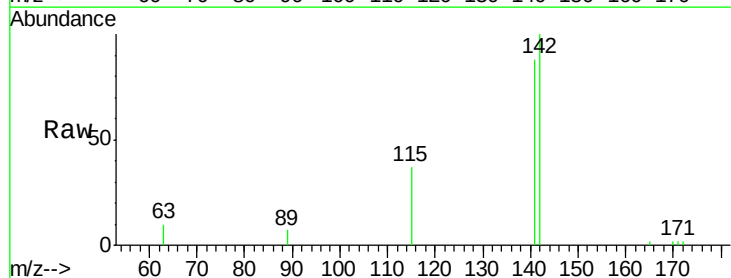
Instrument :
BNA_E
ClientSampleId :

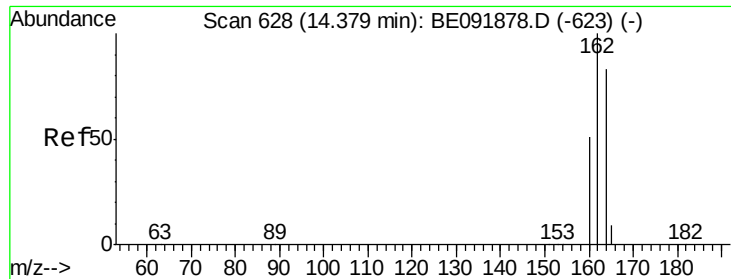
Tot Ion:225 Resp: 1288
Ion Ratio Lower Upper
225 100
223 63.1 49.8 74.8
227 63.9 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.22 min Scan# 508
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion:142 Resp: 5351
Ion Ratio Lower Upper
142 100
141 88.4 71.9 107.9
115 37.0 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

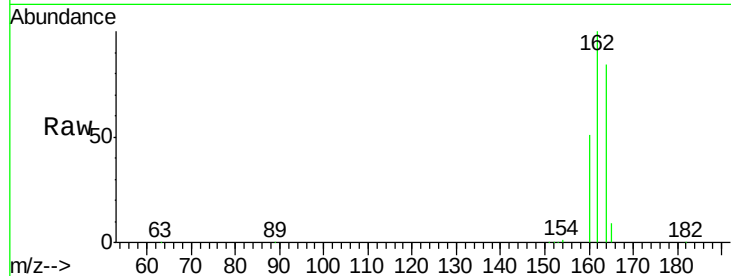
Tot Ion:164 Resp: 53281

Ion Ratio Lower Upper

164 100

162 119.7 71.8 107.8#

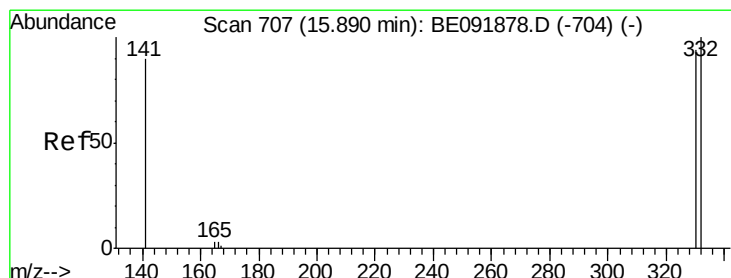
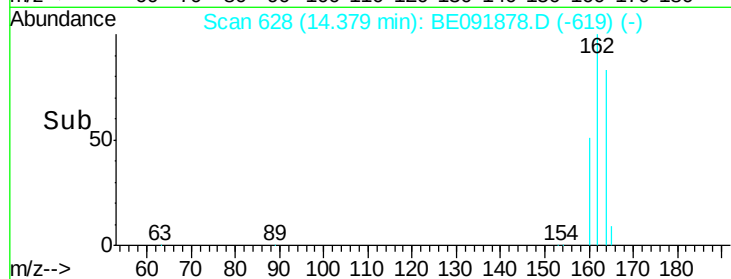
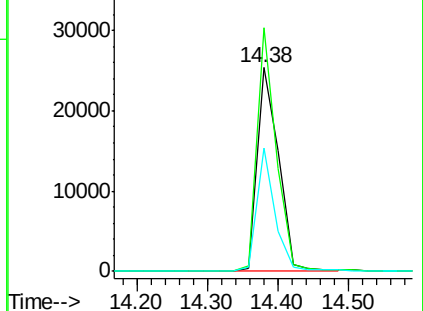
160 60.9 28.0 42.0#



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: 0.24 ng

RT: 15.89 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

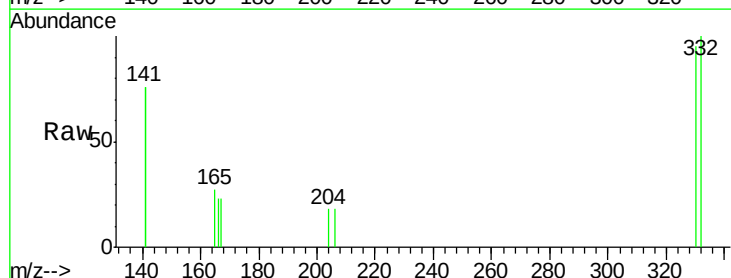
Tgt Ion:330 Resp: 563

Ion Ratio Lower Upper

330 100

332 99.3 77.0 115.6

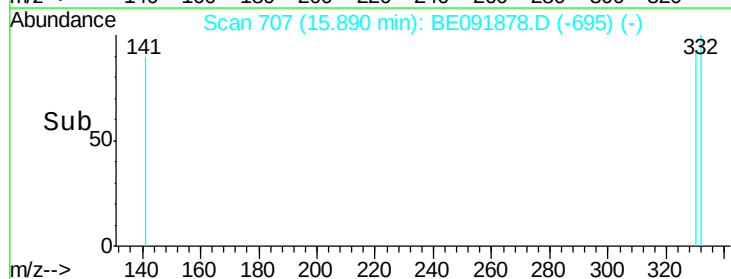
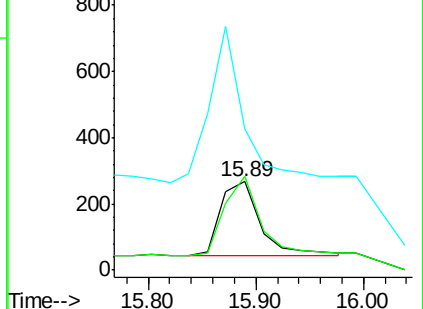
141 191.1 138.4 207.6

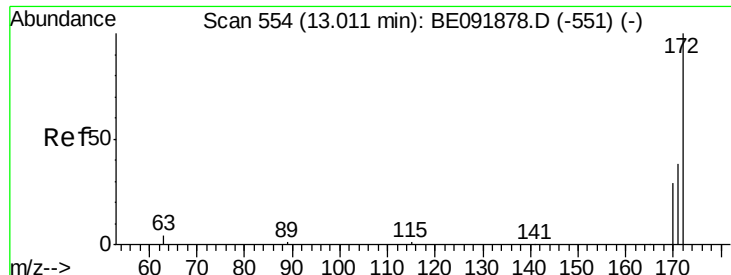


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

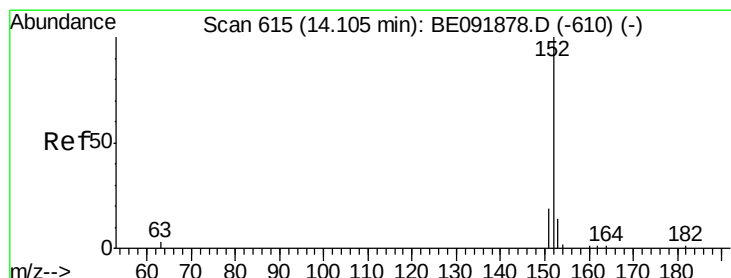
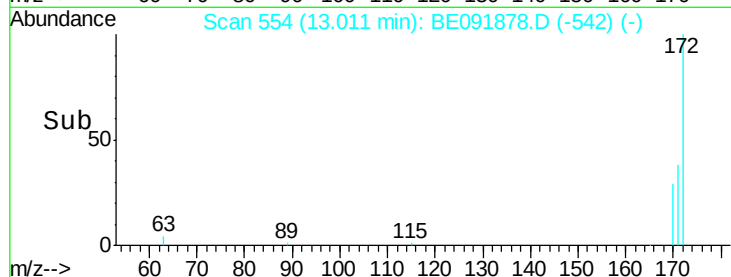
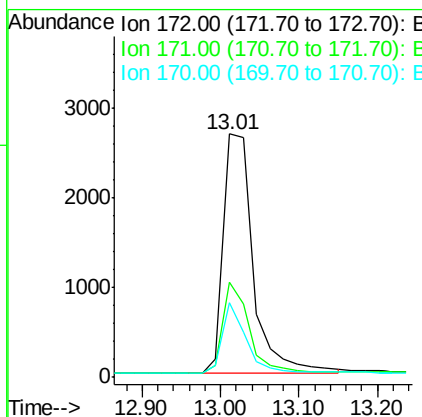
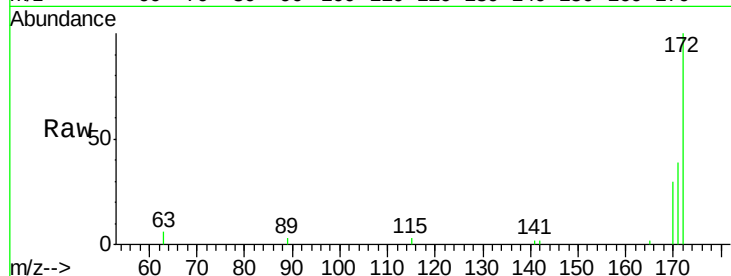




#17
2-Fluorobiphenyl
Concen: 0.44 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

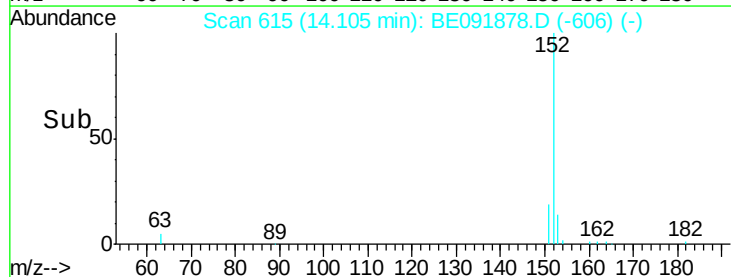
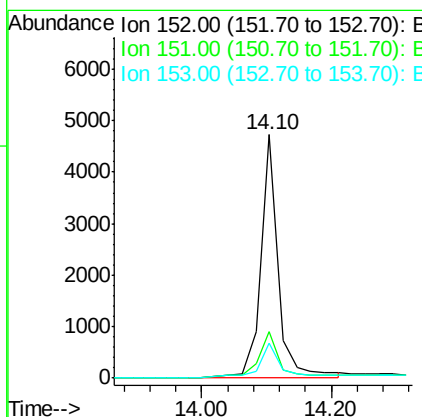
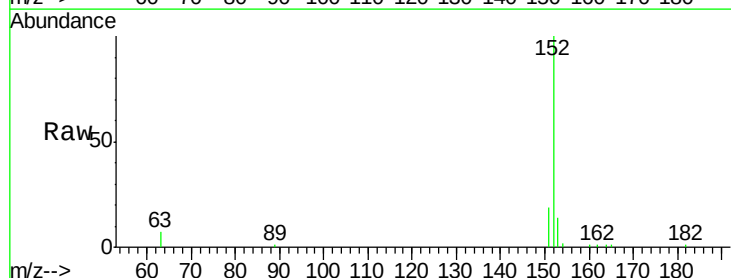
Instrument :
BNA_E
ClientSampleId :

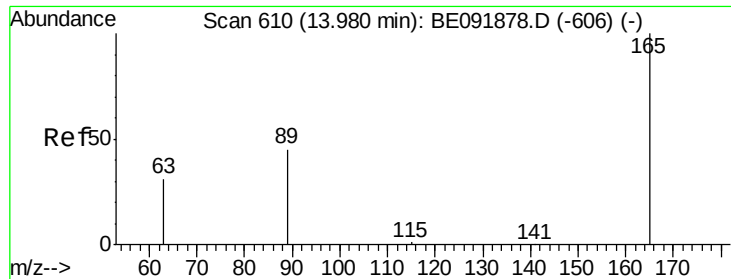
Tot Ion:172 Resp: 7045
Ion Ratio Lower Upper
172 100
171 39.0 24.3 36.5#
170 30.5 14.9 22.3#



#18
Acenaphthylene
Concen: 0.37 ng
RT: 14.10 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion:152 Resp: 9773
Ion Ratio Lower Upper
152 100
151 24.0 19.4 29.2
153 18.8 14.4 21.6

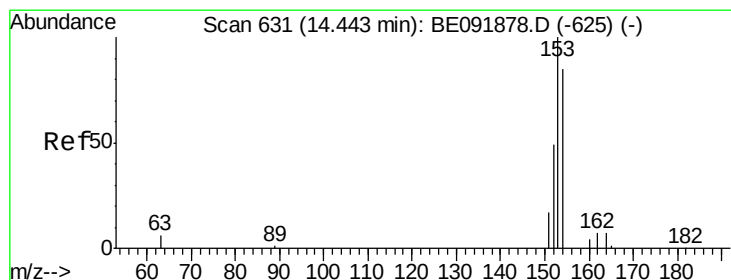
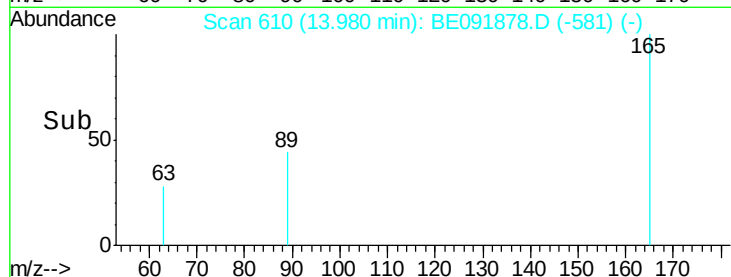
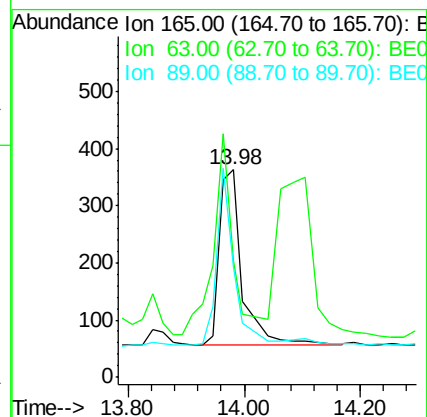
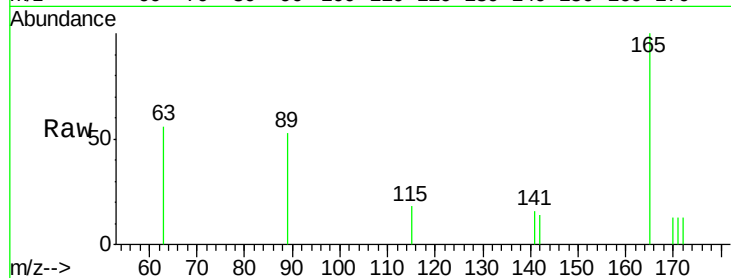




#19
 2,6-Dinitrotoluene
 Concen: 0.26 ng
 RT: 13.98 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BE091878.D
 Acq: 7 Jun 2016 11:31

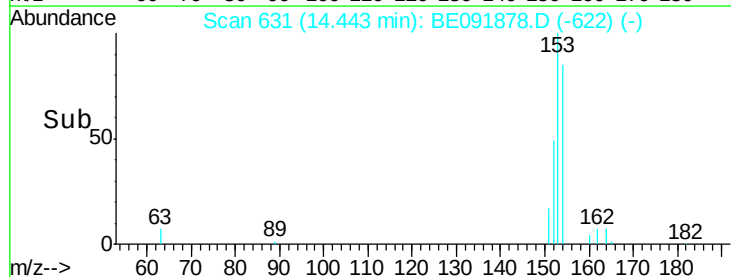
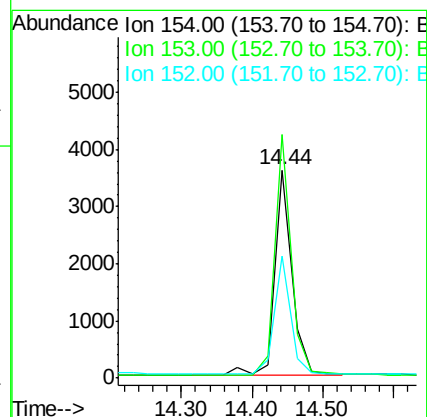
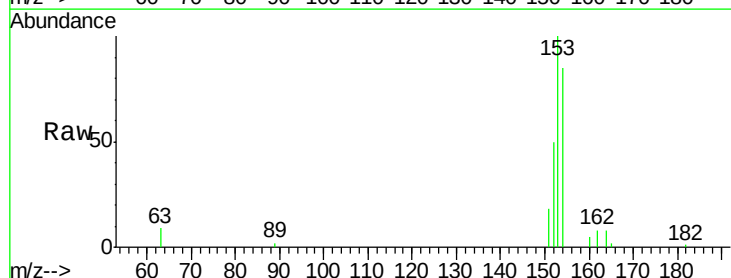
Instrument :
 BNA_E
 ClientSampleId :

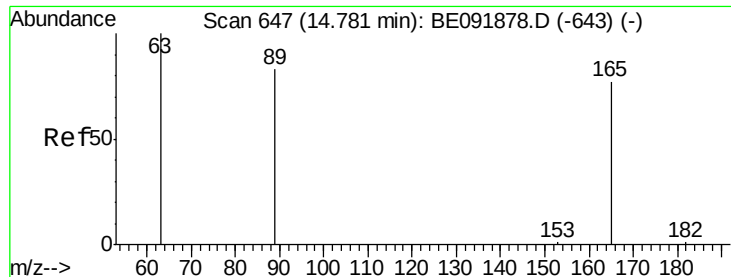
Tot Ion:165 Resp: 940
 Ion Ratio Lower Upper
 165 100
 63 109.3 65.9 98.9#
 89 78.9 59.1 88.7



#20
 Acenaphthene
 Concen: 0.43 ng
 RT: 14.44 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BE091878.D
 Acq: 7 Jun 2016 11:31

Tgt Ion:154 Resp: 6181
 Ion Ratio Lower Upper
 154 100
 153 110.5 88.1 132.1
 152 54.3 44.2 66.2

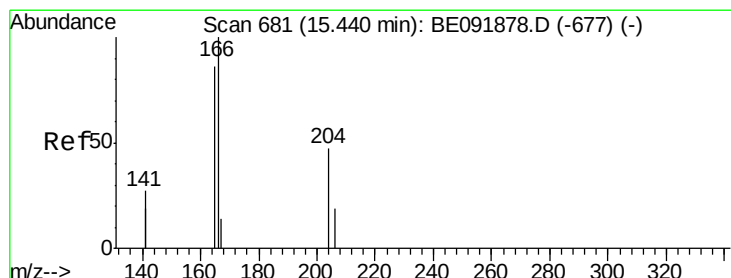
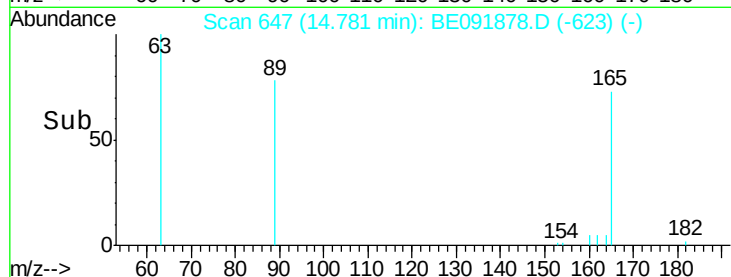
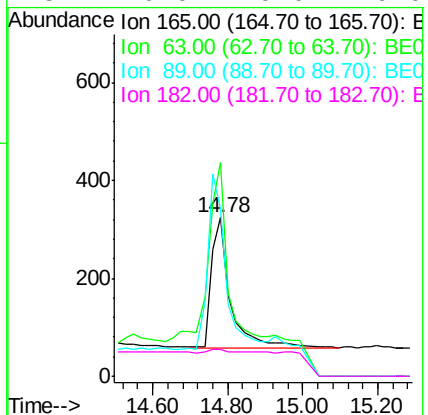
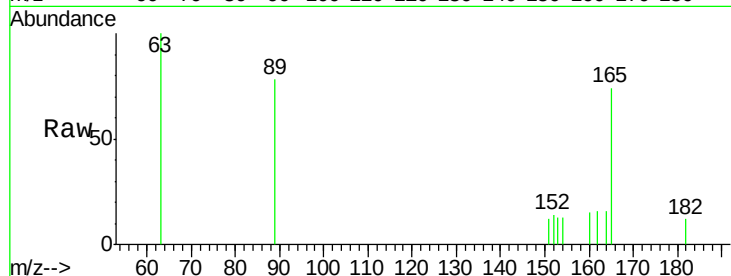




#21
2,4-Dinitrotoluene
Concen: 0.24 ng
RT: 14.78 min Scan# 647
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

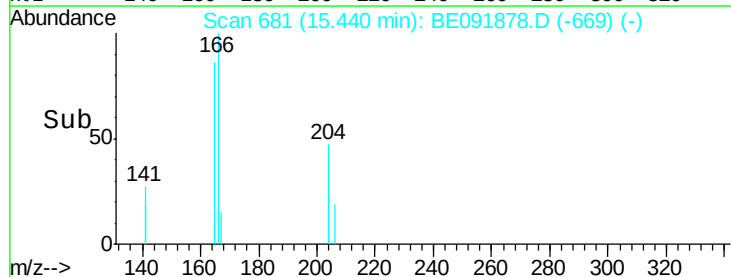
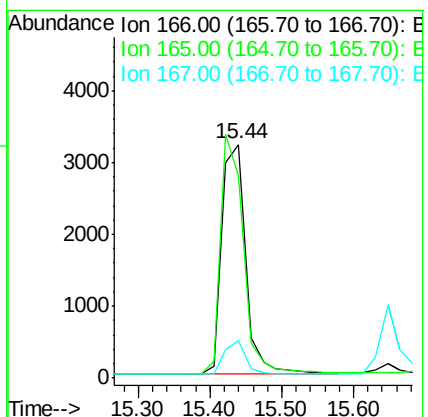
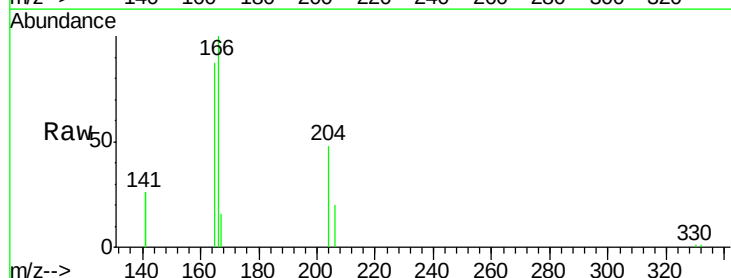
Instrument :
BNA_E
ClientSampleId :

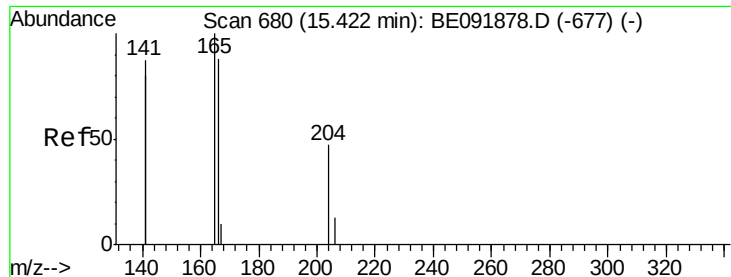
Tot Ion:165 Resp: 1004
Ion Ratio Lower Upper
165 100
63 299.4 0.0 0.0#
89 0.0 99.8 149.8#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 0.40 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion:166 Resp: 7417
Ion Ratio Lower Upper
166 100
165 99.2 78.6 117.8
167 13.8 10.8 16.2

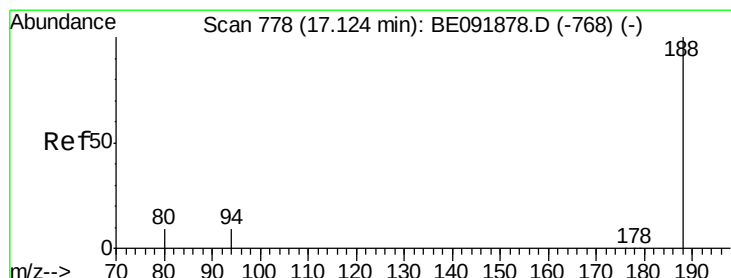
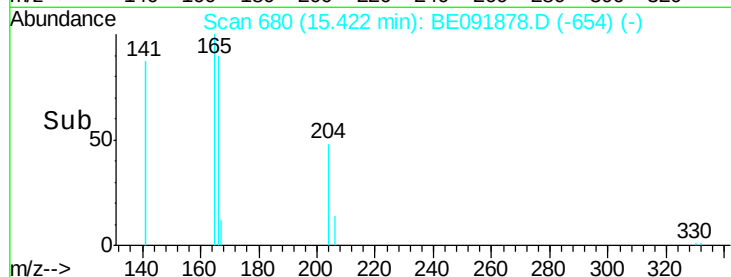
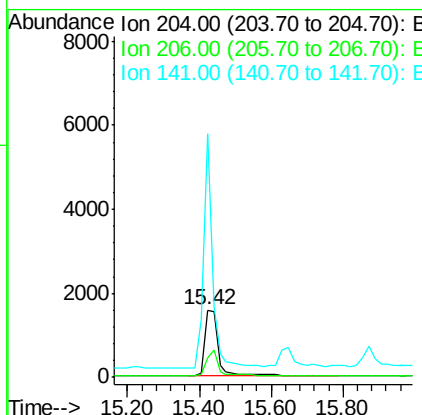
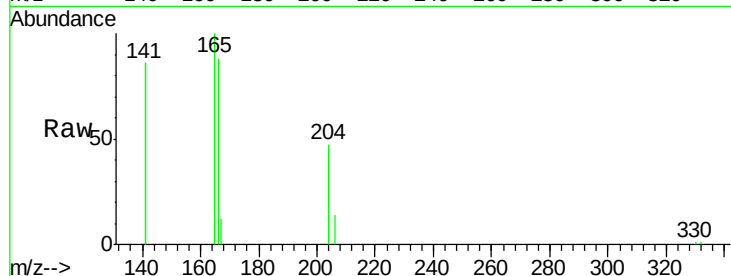




#23
4-Chlorophenyl-phenylether
Concen: 0.40 ng
RT: 15.42 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

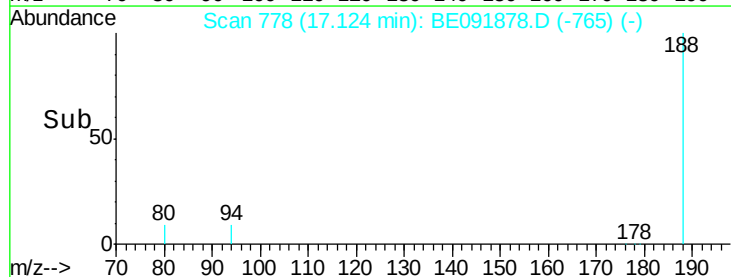
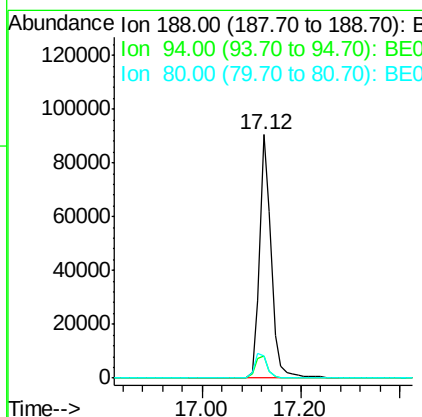
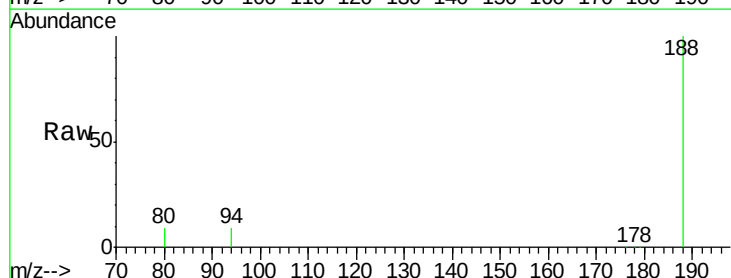
Instrument :
BNA_E
ClientSampleId :

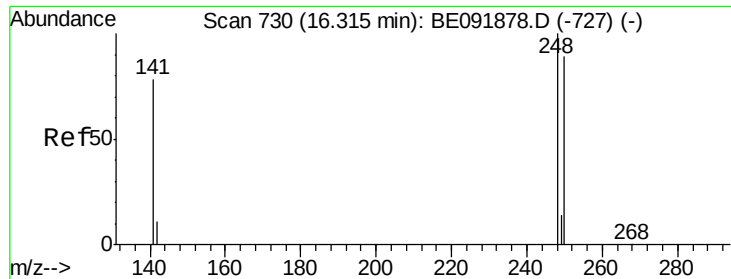
Tot Ion:204 Resp: 3784
Ion Ratio Lower Upper
204 100
206 33.5 27.8 41.6
141 246.2 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion:188 Resp: 166739
Ion Ratio Lower Upper
188 100
94 9.4 4.1 6.1#
80 9.1 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.38 ng

RT: 16.32 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

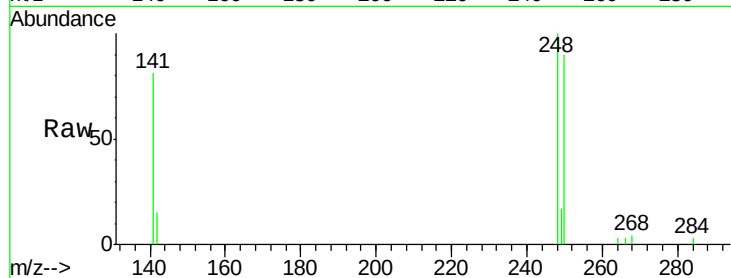
Tot Ion:248 Resp: 2249

Ion Ratio Lower Upper

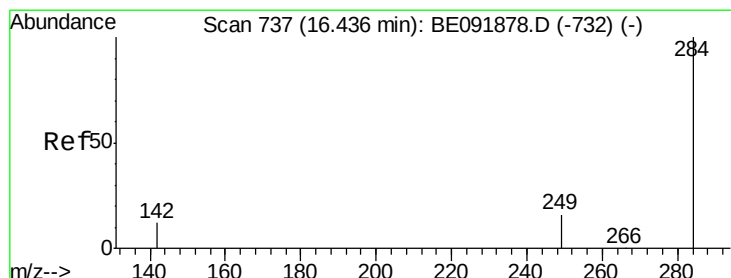
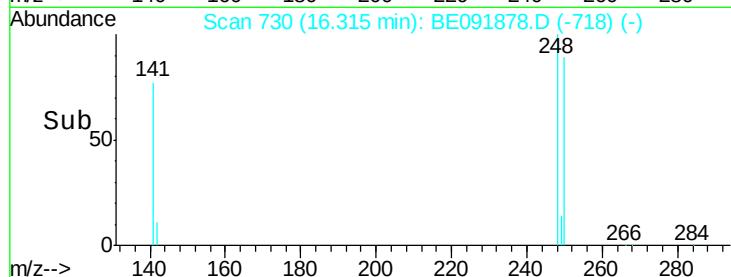
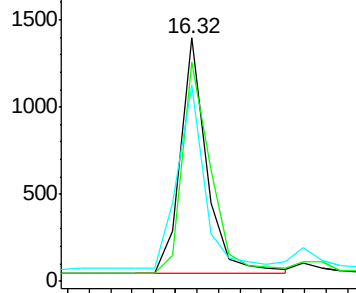
248 100

250 97.8 75.7 113.5

141 83.0 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: 0.42 ng

RT: 16.44 min Scan# 737

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

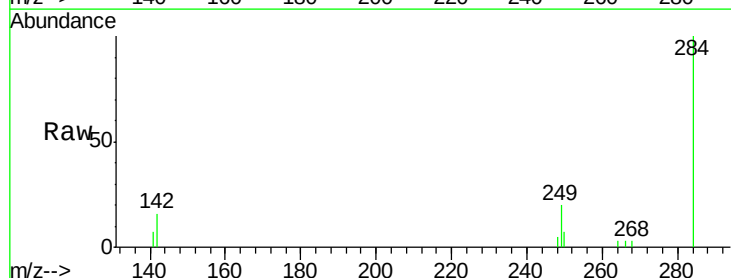
Tgt Ion:284 Resp: 2406

Ion Ratio Lower Upper

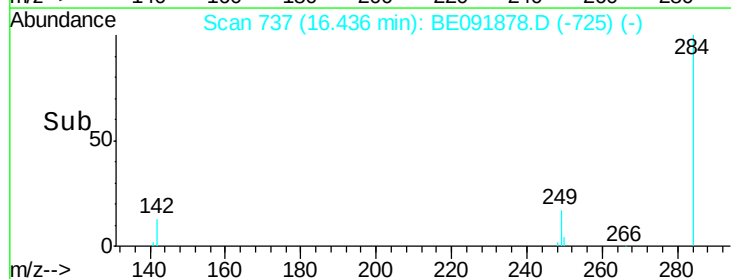
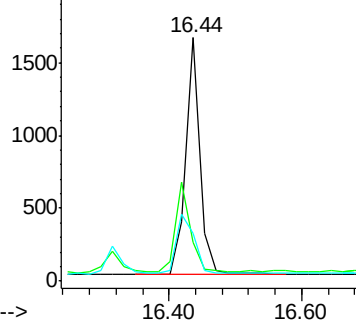
284 100

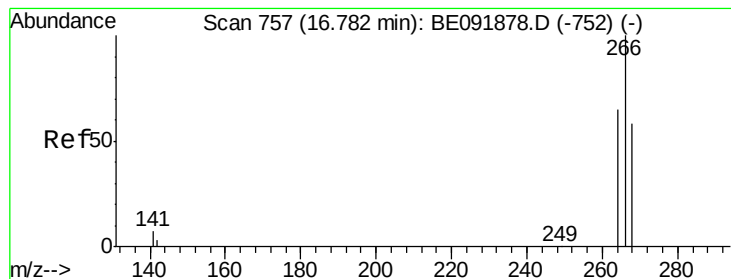
142 38.9 31.4 47.2

249 31.9 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: 0.30 ng

RT: 16.78 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

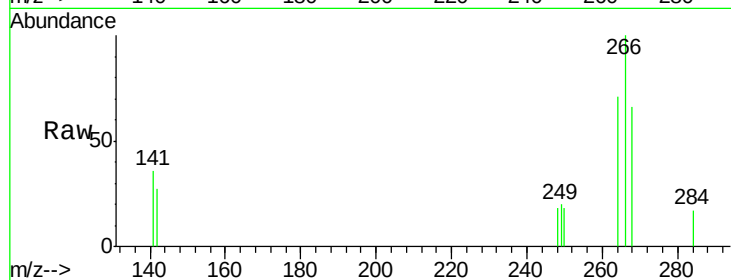
Tot Ion:266 Resp: 663

Ion Ratio Lower Upper

266 100

268 66.0 60.5 90.7

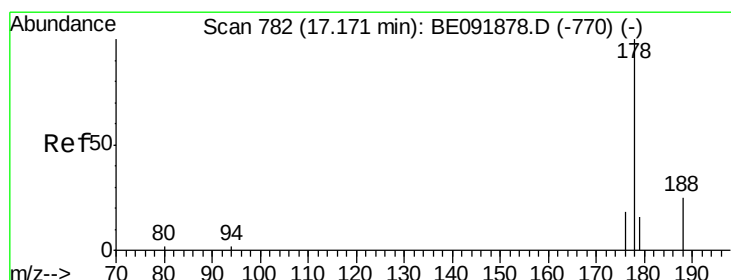
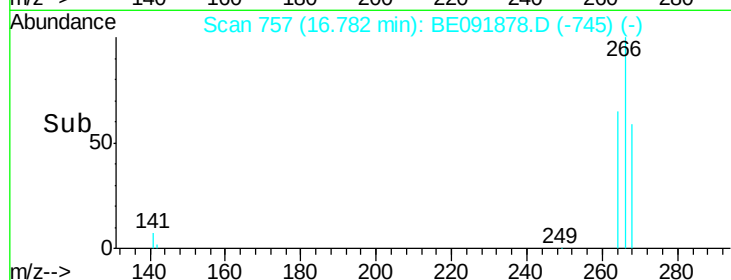
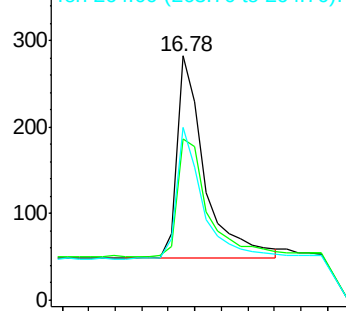
264 70.6 51.0 76.4



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: 0.41 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

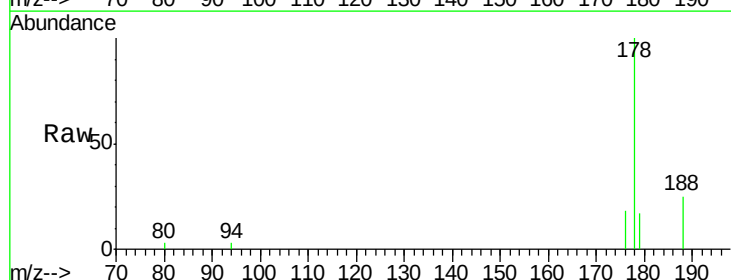
Tgt Ion:178 Resp: 15060

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

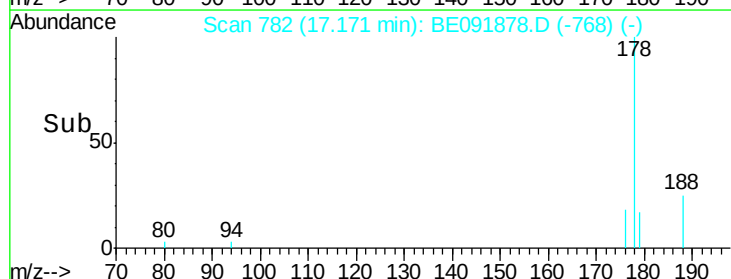
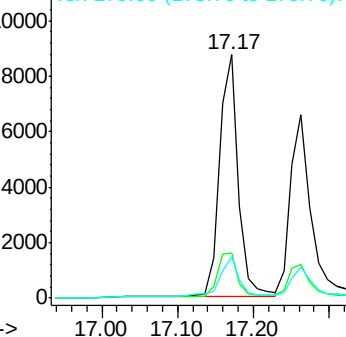
179 15.9 12.9 19.3

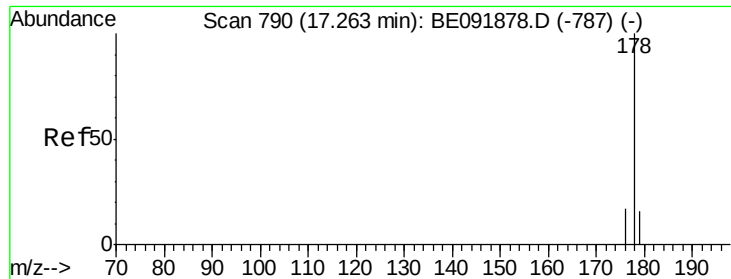


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.38 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampled :

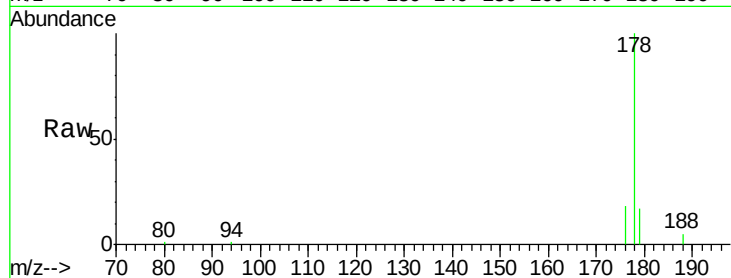
Tot Ion:178 Resp: 12524

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

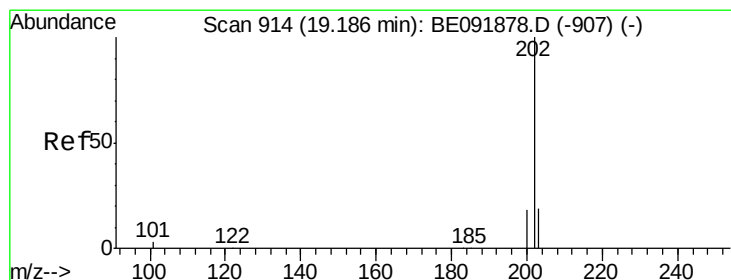
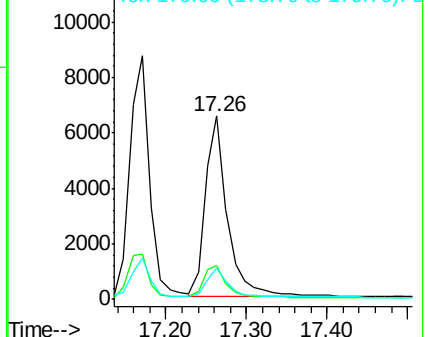
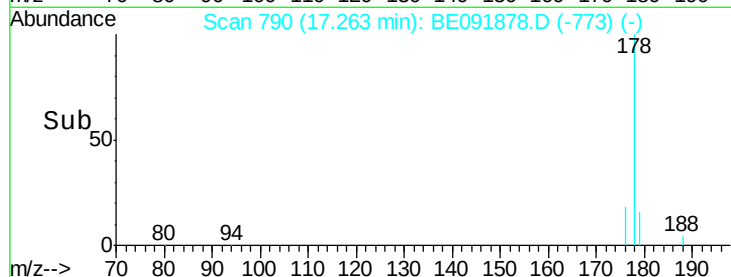
179 15.3 12.1 18.1



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: 0.37 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

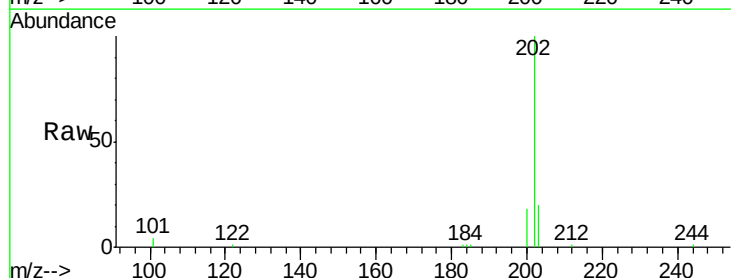
Tgt Ion:202 Resp: 15616

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.0

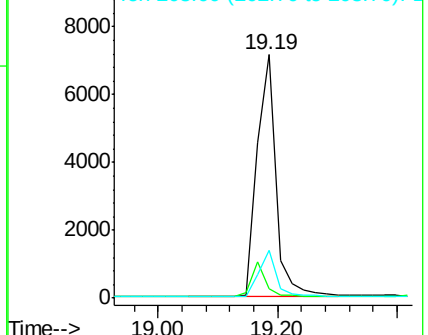
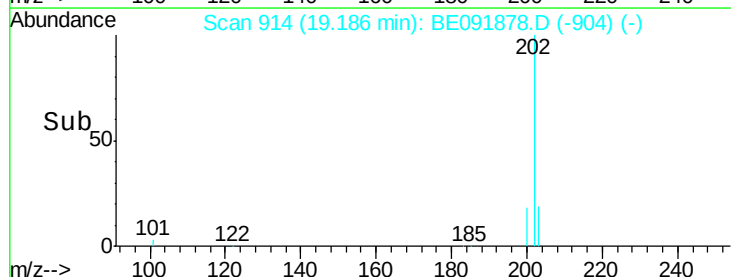
203 17.6 14.3 21.5

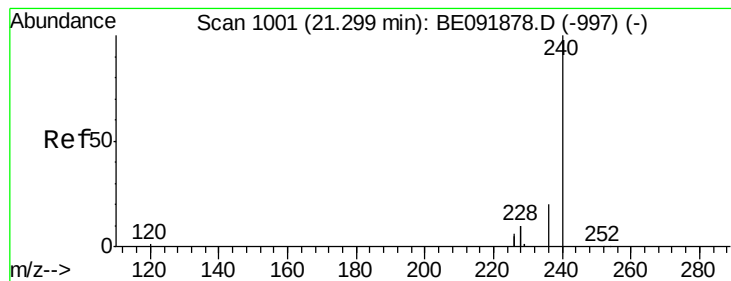


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.30 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

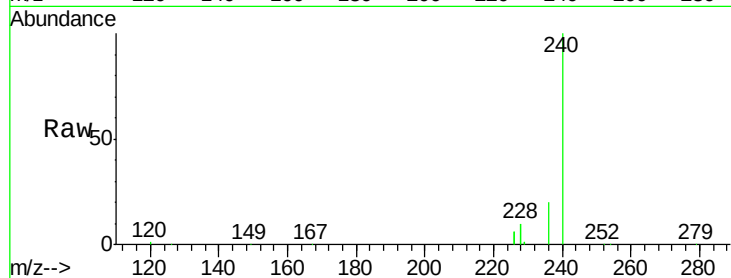
Tot Ion:240 Resp: 135552

Ion Ratio Lower Upper

240 100

120 1.0 1.2 1.8#

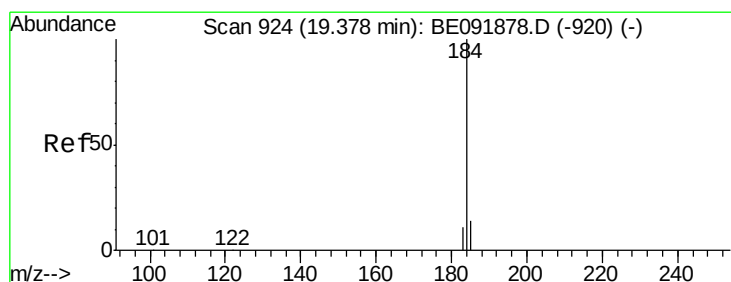
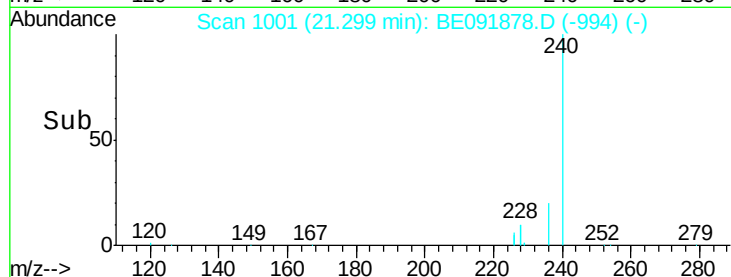
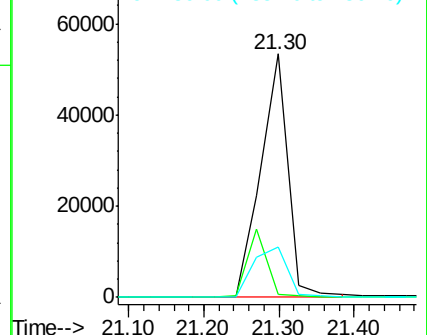
236 20.5 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.30 ng

RT: 19.38 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

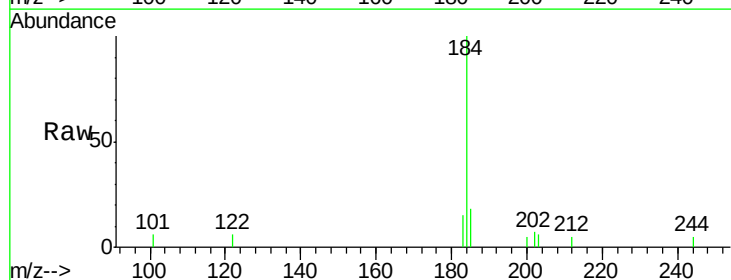
Tgt Ion:184 Resp: 3244

Ion Ratio Lower Upper

184 100

185 18.2 11.4 17.2#

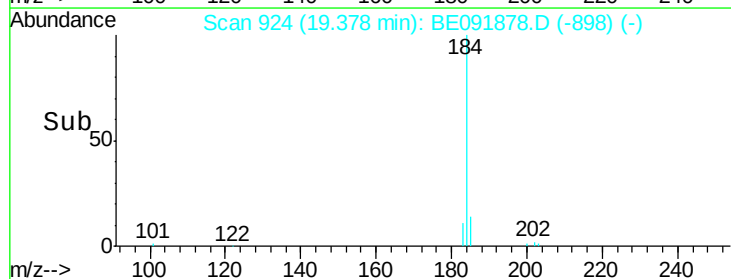
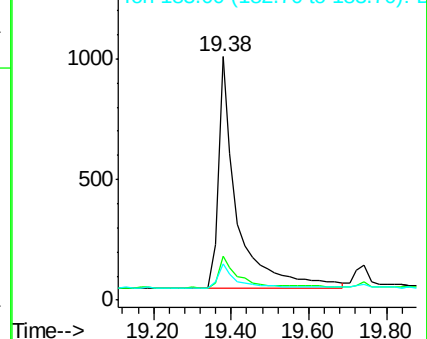
183 15.2 11.8 17.6

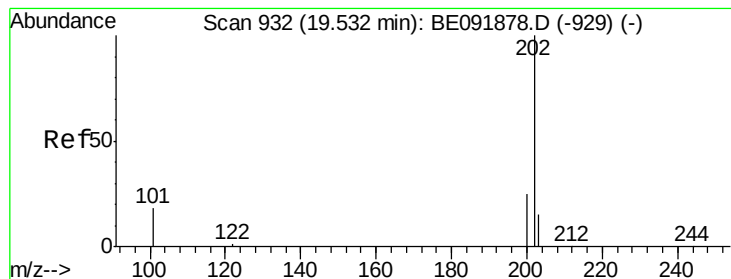


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 0.57 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

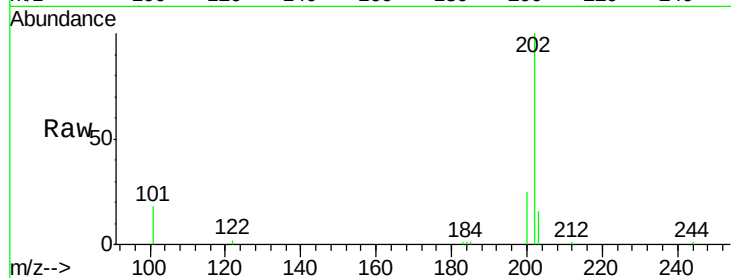
Tot Ion:202 Resp: 16377

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

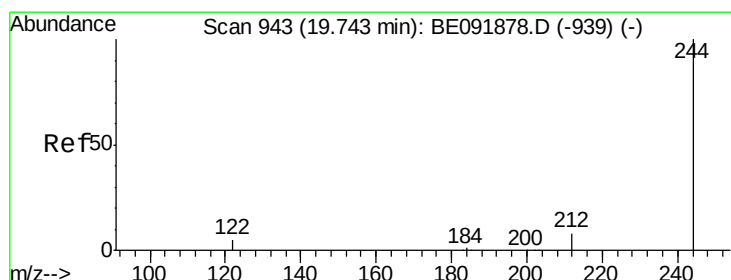
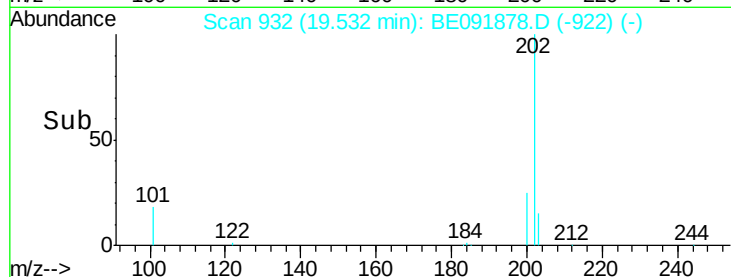
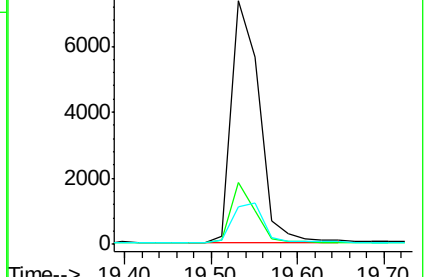
203 18.2 14.1 21.1



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: 0.58 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

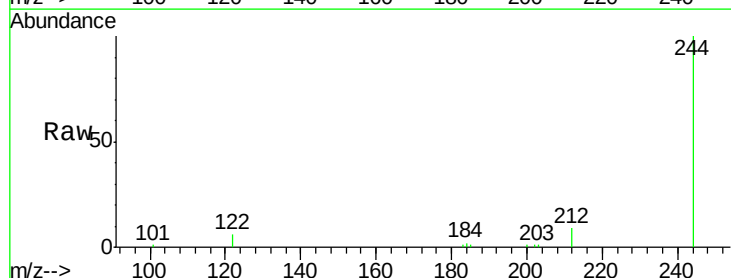
Tgt Ion:244 Resp: 11793

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

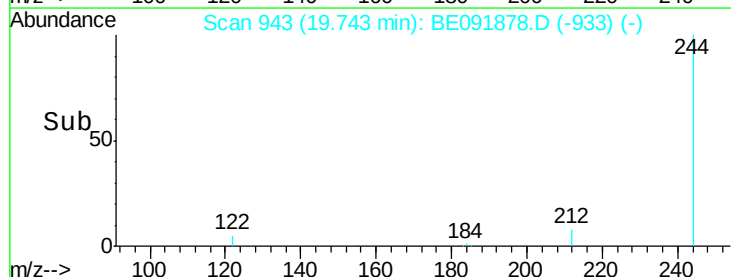
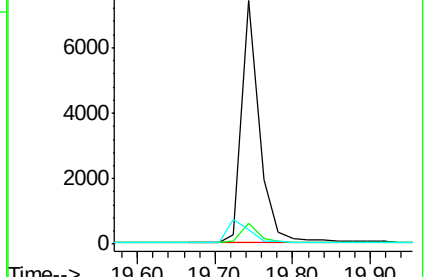
122 6.0 2.9 4.3#

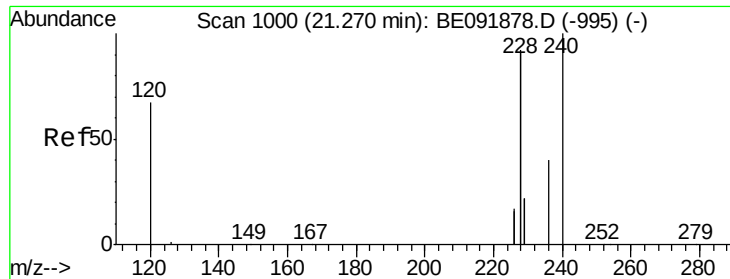


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

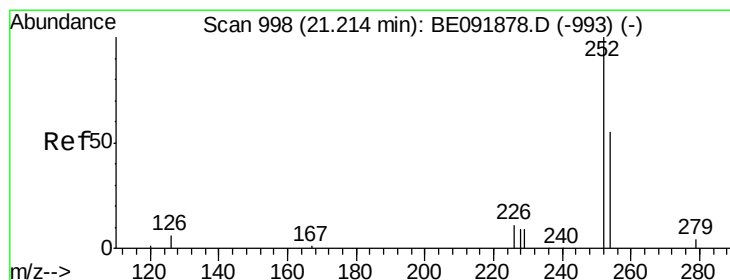
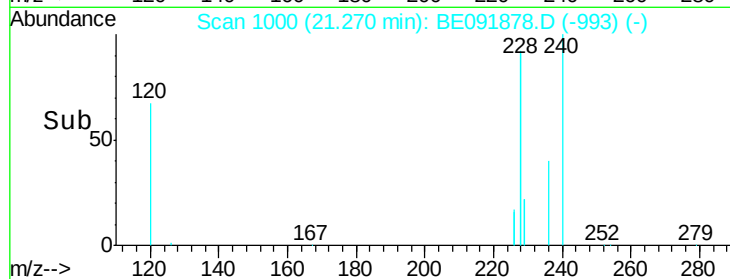
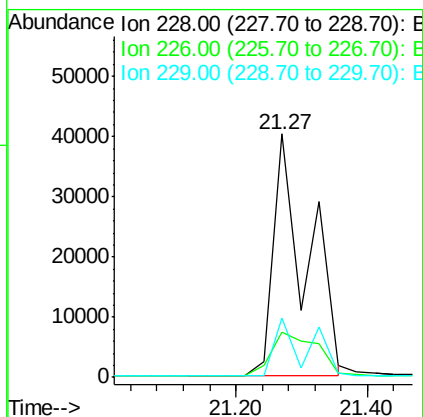
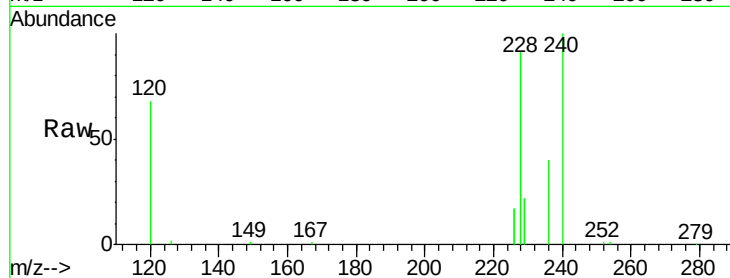




#35
Benzo(a)anthracene
Concen: 3.99 ng
RT: 21.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

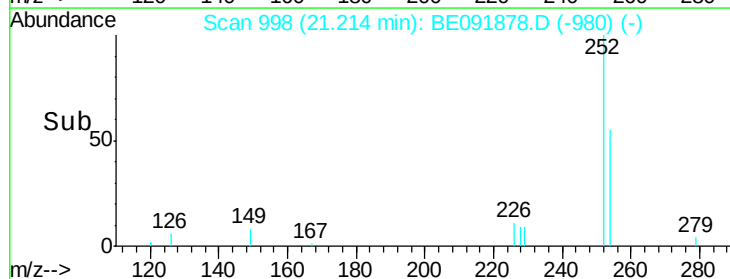
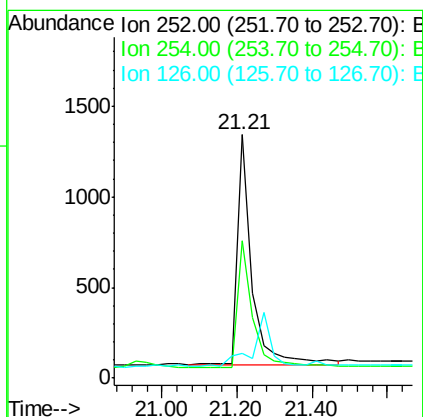
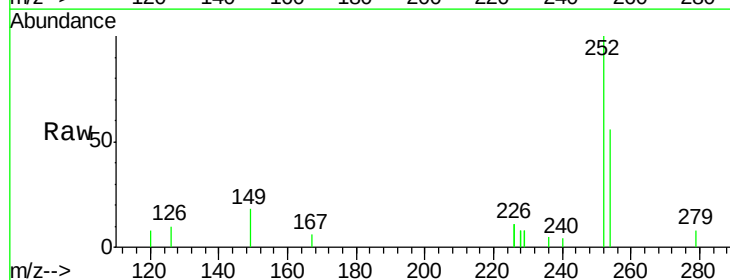
Instrument :
BNA_E
ClientSampled :

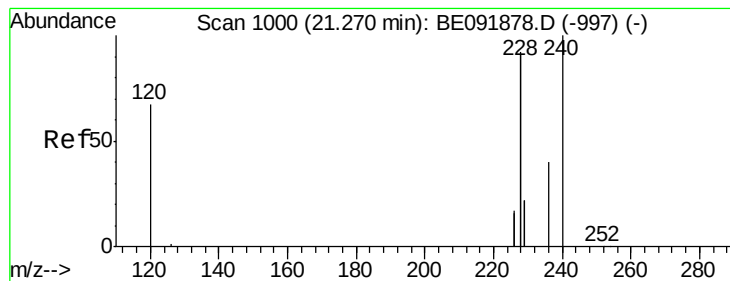
Tot Ion:228 Resp: 143987
Ion Ratio Lower Upper
228 100
226 18.6 21.0 31.4#
229 24.6 15.8 23.8#



#36
3,3'-Dichlorobenzidine
Concen: 0.17 ng
RT: 21.21 min Scan# 998
Delta R.T. 0.00 min
Lab File: BE091878.D
Acq: 7 Jun 2016 11:31

Tgt Ion:252 Resp: 3419
Ion Ratio Lower Upper
252 100
254 56.4 61.5 92.3#
126 10.4 2.5 3.7#





#37

Chrysene

Concen: 4.40 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

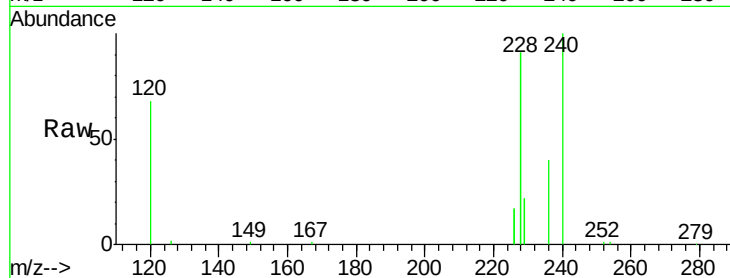
Tot Ion:228 Resp: 145955

Ion Ratio Lower Upper

228 100

226 18.6 27.0 40.6#

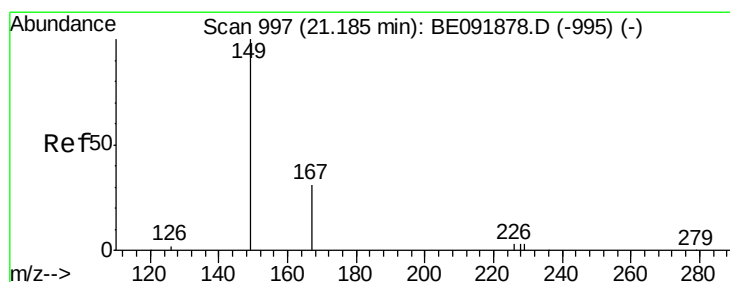
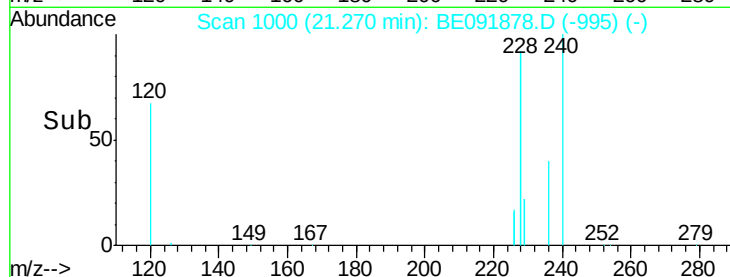
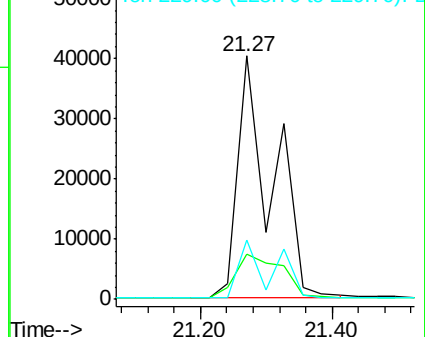
229 24.6 13.8 20.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.49 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

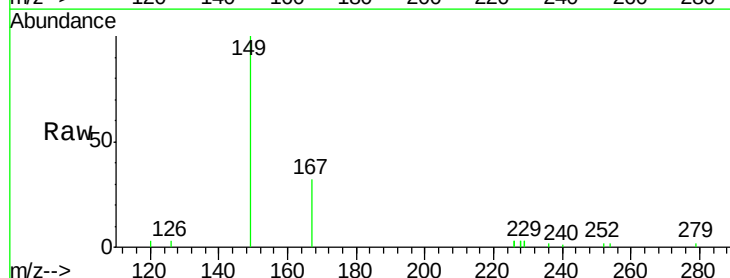
Tgt Ion:149 Resp: 6442

Ion Ratio Lower Upper

149 100

167 31.6 0.0 0.0#

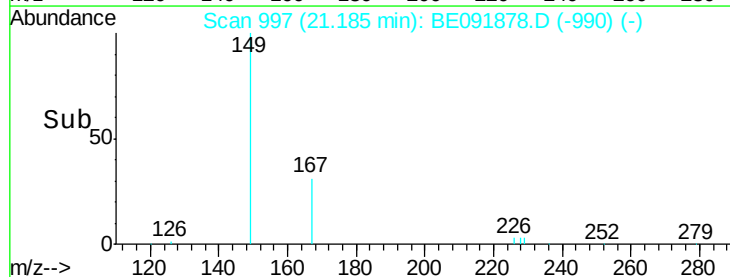
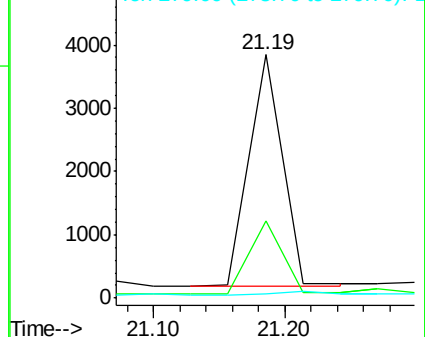
279 0.0 0.0 0.0

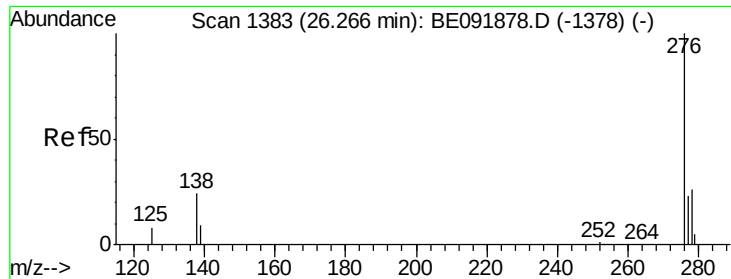


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.59 ng

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

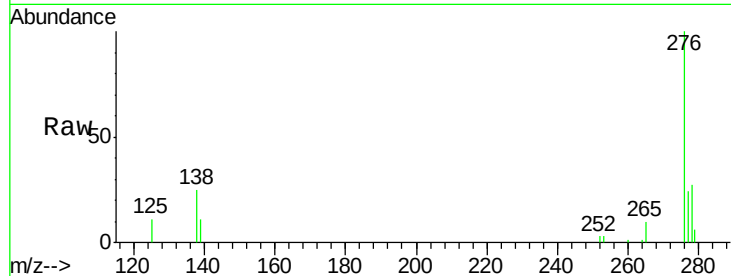
Tot Ion:276 Resp: 20043

Ion Ratio Lower Upper

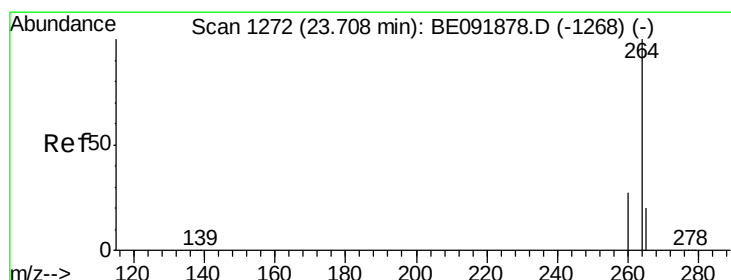
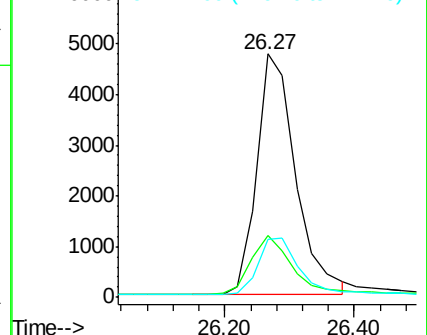
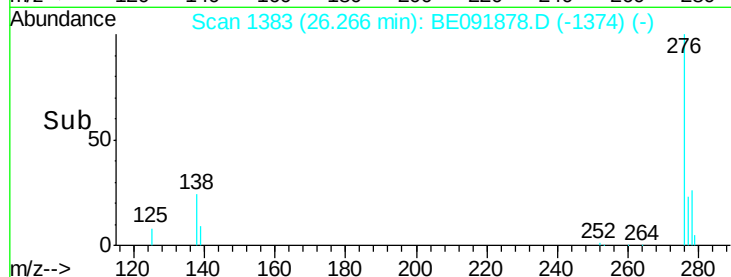
276 100

138 24.9 19.7 29.5

277 0.0 20.1 30.1#



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

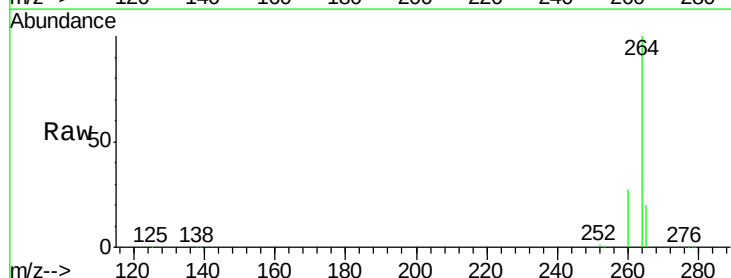
Tgt Ion:264 Resp: 196950

Ion Ratio Lower Upper

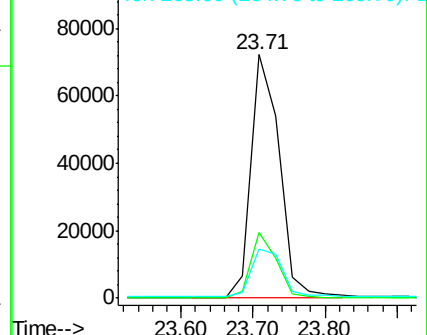
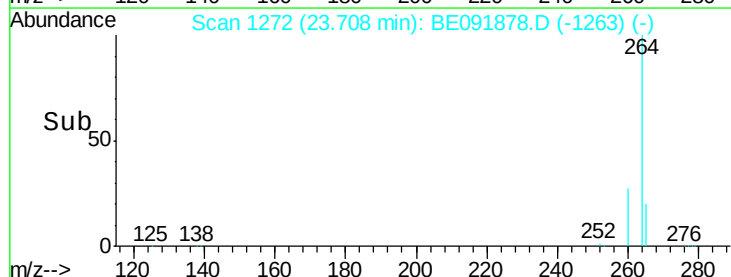
264 100

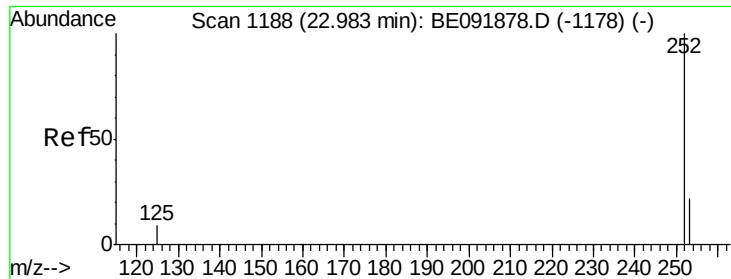
260 27.0 20.3 30.5

265 20.4 17.6 26.4



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





#41

Benzo(b)fluoranthene

Concen: 0.37 ng

RT: 22.98 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

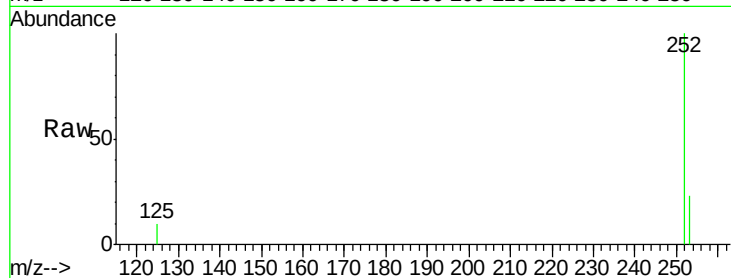
Tot Ion:252 Resp: 19454

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

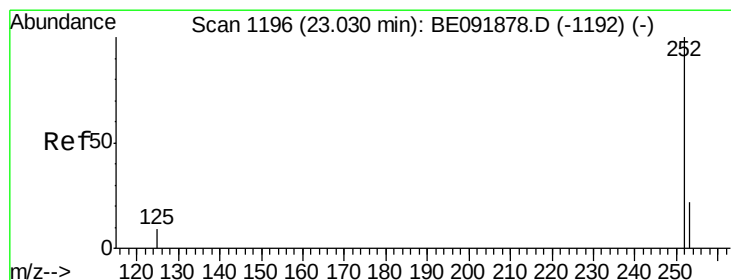
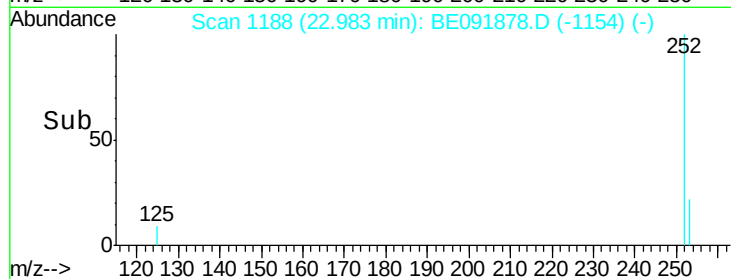
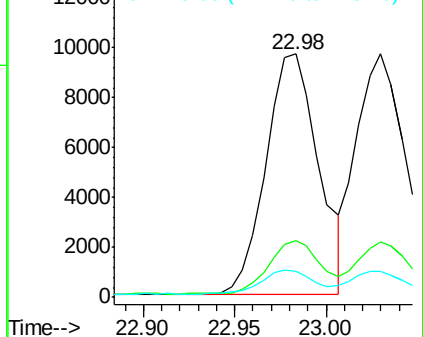
125 10.5 9.4 14.2



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: 0.41 ng

RT: 23.03 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

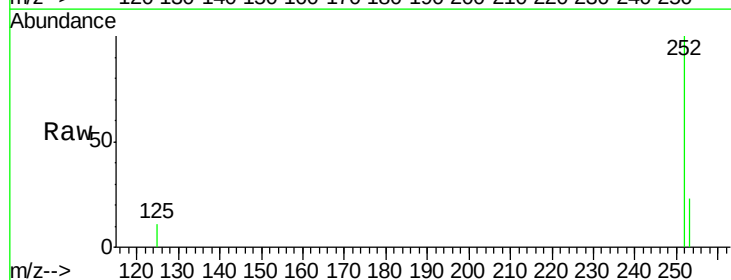
Tgt Ion:252 Resp: 19813

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.2

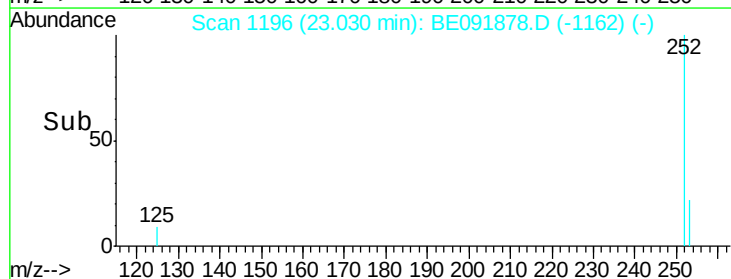
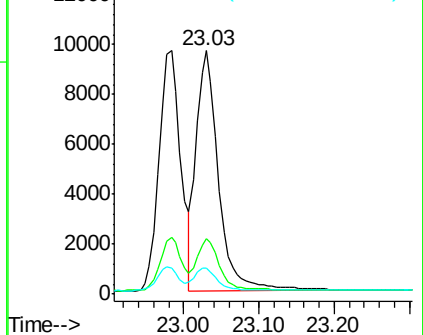
125 10.6 8.3 12.5

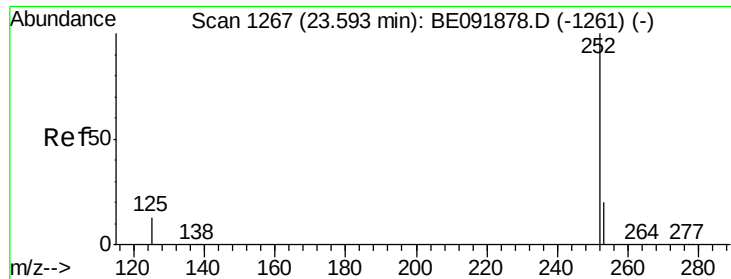


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.36 ng

RT: 23.59 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

Instrument :

BNA_E

ClientSampleId :

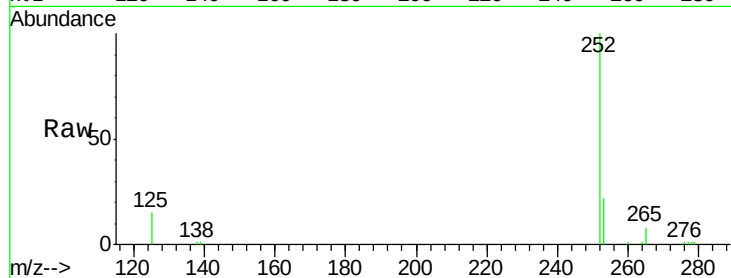
Tot Ion:252 Resp: 17507

Ion Ratio Lower Upper

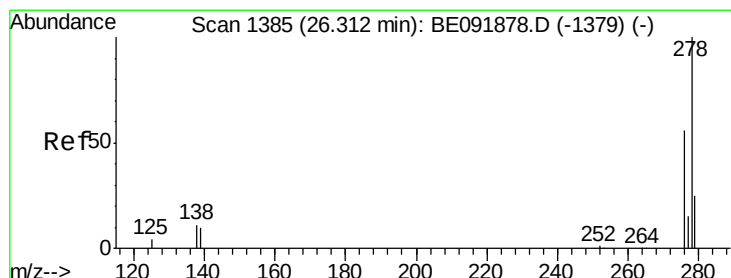
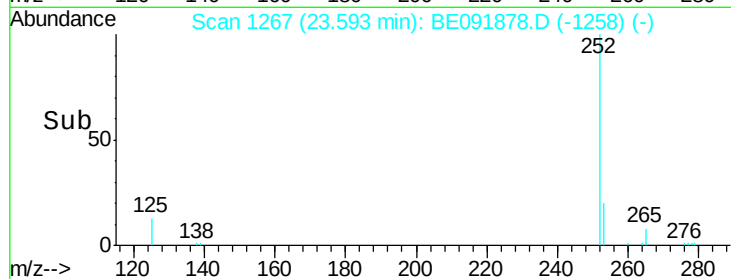
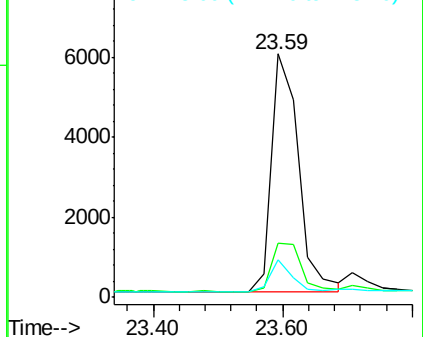
252 100

253 22.3 18.9 28.3

125 15.5 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: 0.36 ng

RT: 26.31 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE091878.D

Acq: 7 Jun 2016 11:31

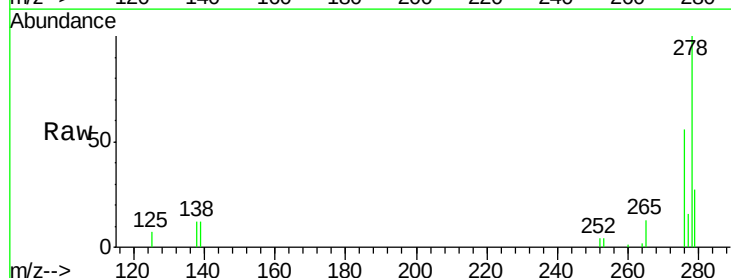
Tgt Ion:278 Resp: 16493

Ion Ratio Lower Upper

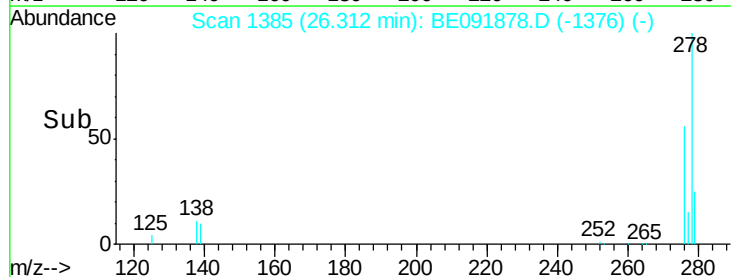
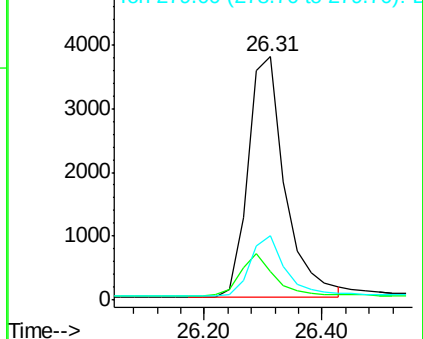
278 100

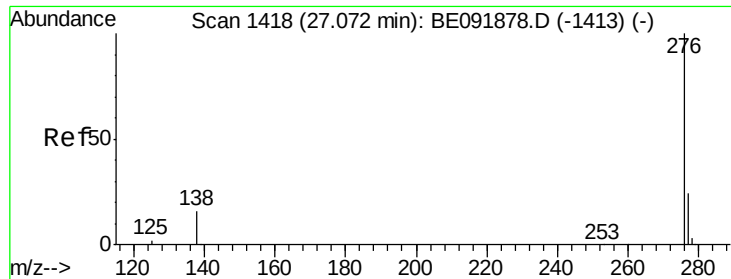
139 12.0 12.6 18.8#

279 26.7 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

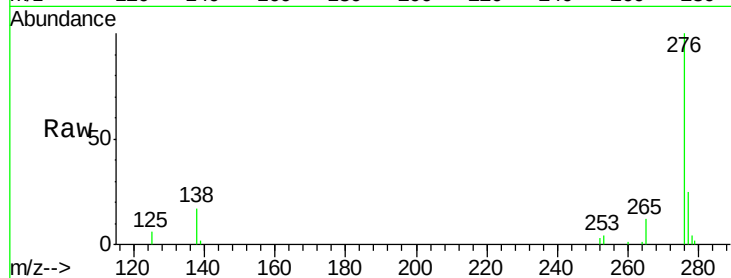




#45
 Benzo(a,h,i)perylene
 Concen: 0.38 ng
 RT: 27.07 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BE091878.D
 Acq: 7 Jun 2016 11:31

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 276 Resp: 17890
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.5 29.3
 138 17.3 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

