

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091877.D
 Acq On : 7 Jun 2016 10:53
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 07 12:58:08 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	22551	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	99480	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	55086	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	154607	5.00	ng	0.00
31) Chrysene-d12	21.30	240	153251	5.00	ng	0.00
40) Perylene-d12	23.71	264	213666	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	809	0.13	ng	0.00
5) Phenol-d6	6.95	99	929	0.11	ng	0.00
9) Nitrobenzene-d5	8.94	82	993	0.12	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	253	0.10	ng	0.00
17) 2-Fluorobiphenyl	13.03	172	3050	0.19	ng	0.02
34) Terphenyl-d14	19.74	244	5384	0.23	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	701	0.21	ng	92
3) n-Nitrosodimethylamine	3.63	42	624	0.15	ng	# 92
6) bis(2-Chloroethyl)ether	7.20	93	1045	0.15	ng	96
7) n-Nitroso-di-n-propylamine	8.57	70	797	0.12	ng	# 95
10) Nitrobenzene	8.99	77	917	0.12	ng	# 66
11) bis(2-Chloroethoxy)methane	10.01	93	1747	0.19	ng	# 1
12) Naphthalene	10.59	128	4046	0.19	ng	# 95
13) Hexachlorobutadiene	10.88	225	609	0.18	ng	99
14) 2-Methylnaphthalene	12.23	142	2360	0.16	ng	96
18) Acenaphthylene	14.10	152	4563	0.17	ng	# 86
19) 2,6-Dinitrotoluene	13.98	165	351	0.09	ng	# 73
20) Acenaphthene	14.44	154	2963	0.20	ng	94
21) 2,4-Dinitrotoluene	14.78	165	389	0.09	ng	# 1
22) Fluorene	15.44	166	3319	0.17	ng	99
23) 4-Chlorophenyl-phenylether	15.44	204	1708	0.18	ng	95
25) 4-Bromophenyl-phenylether	16.31	248	1005	0.18	ng	95
26) Hexachlorobenzene	16.44	284	1073	0.20	ng	98
27) Pentachlorophenol	16.80	266	308	0.15	ng	89
28) Phenanthrene	17.17	178	6940	0.21	ng	99
29) Anthracene	17.26	178	5620	0.18	ng	99
30) Fluoranthene	19.19	202	7169	0.18	ng	99
32) Benzidine	19.40	184	1603	0.13	ng	# 76
33) Pyrene	19.55	202	7486	0.23	ng	99
35) Benzo(a)anthracene	21.27	228	71765	1.76	ng	# 88
36) 3,3'-Dichlorobenzidine	21.21	252	1631	0.07	ng	# 71
37) Chrysene	21.27	228	72932	1.95	ng	# 78
38) Bis(2-ethylhexyl)phthalate	21.18	149	3286	0.22	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	9034	0.24	ng	# 75
41) Benzo(b)fluoranthene	22.98	252	9110	0.16	ng	96
42) Benzo(k)fluoranthene	22.98	252	9110	0.17	ng	98
43) Benzo(a)pyrene	23.59	252	8315	0.16	ng	# 93
44) Dibenzo(a,h)anthracene	26.31	278	7432	0.15	ng	97
45) Benzo(a,h,i)perylene	27.07	276	8249	0.16	ng	95

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

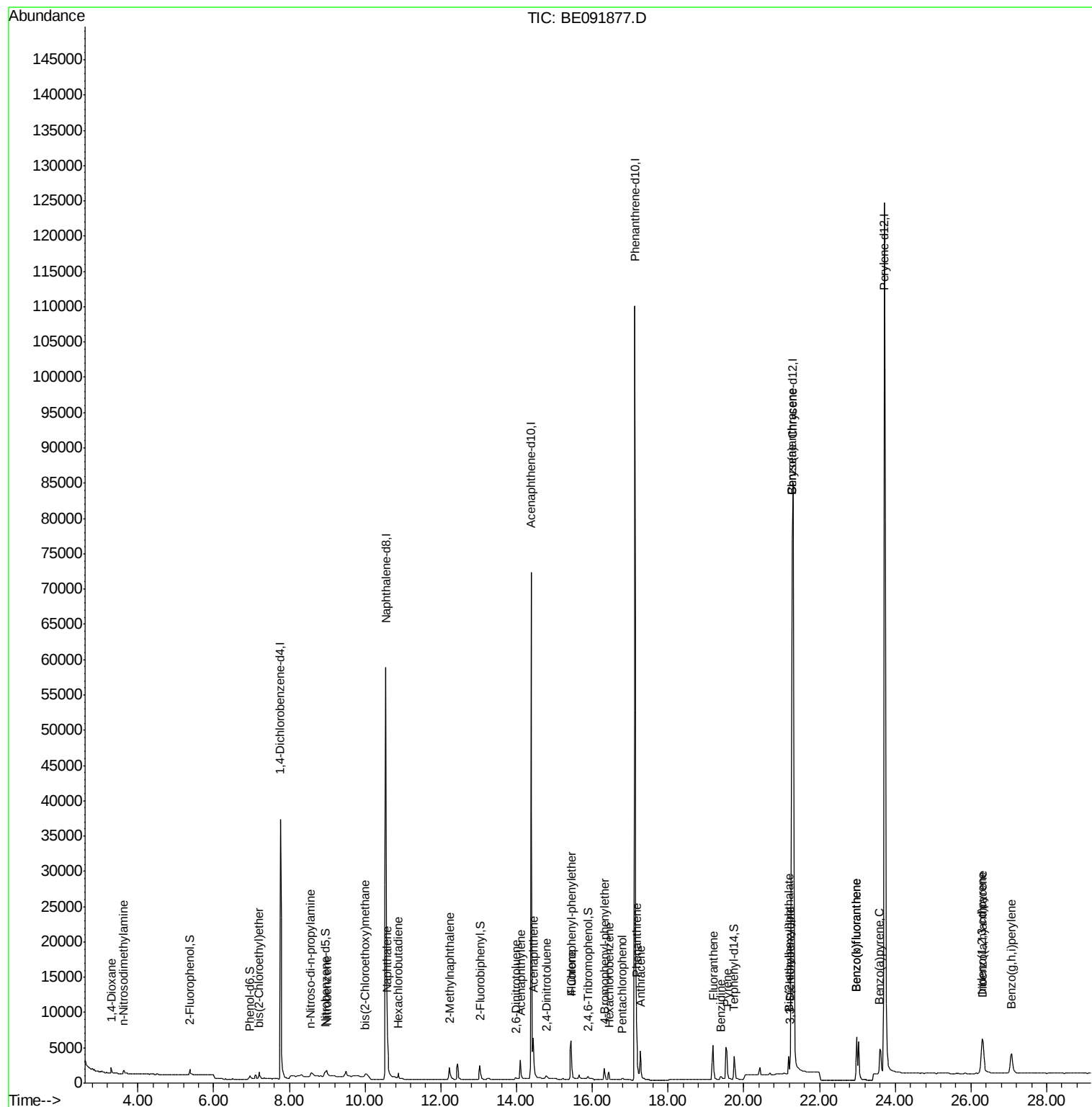
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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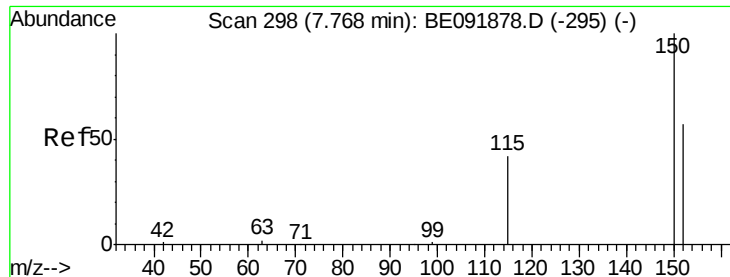
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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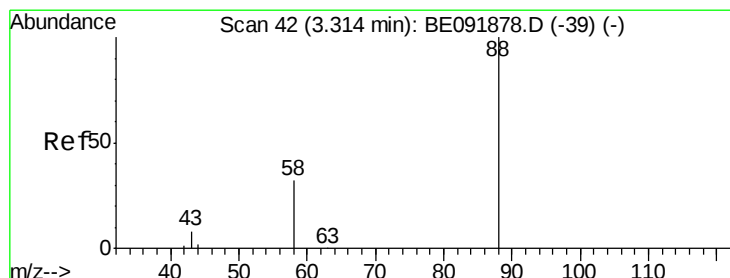
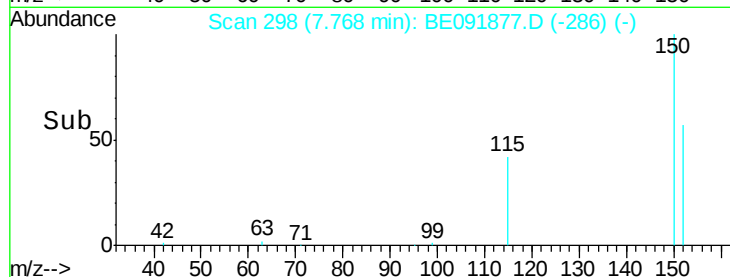
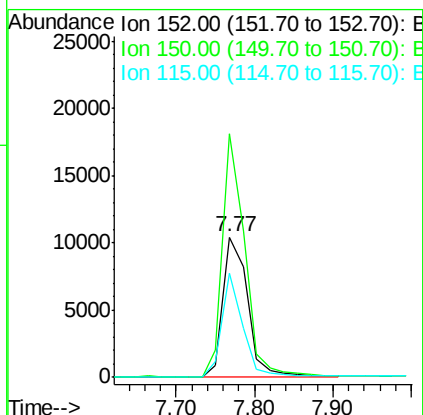
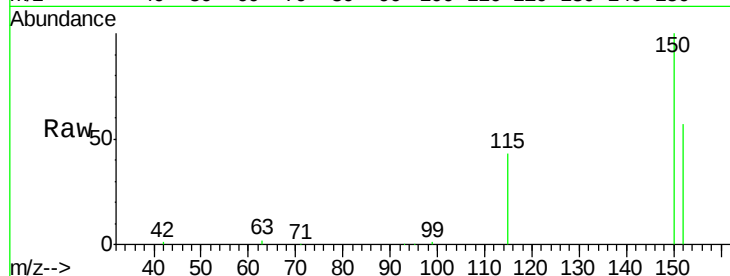


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Instrument :
BNA_E
ClientSampleId :

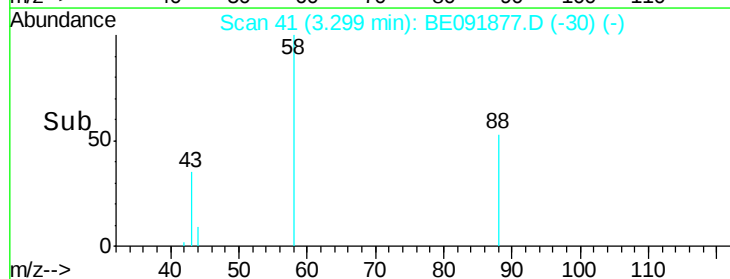
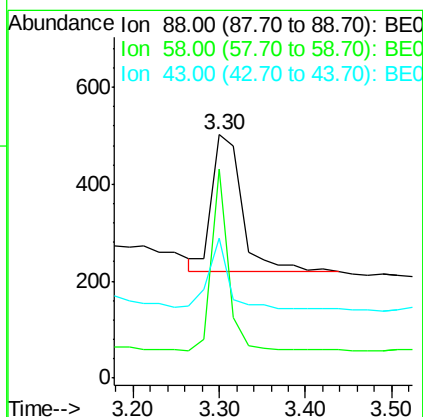
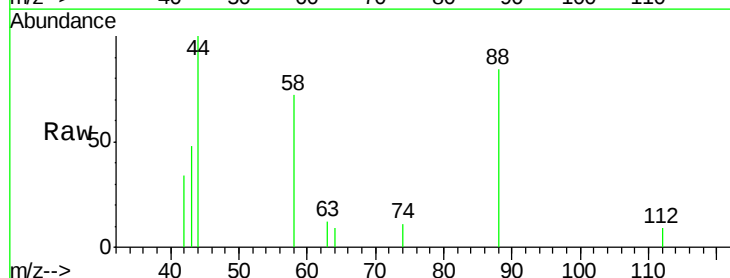
Tot Ion:152 Resp: 22551
Ion Ratio Lower Upper
152 100
150 174.0 123.9 185.9
115 74.1 48.3 72.5#

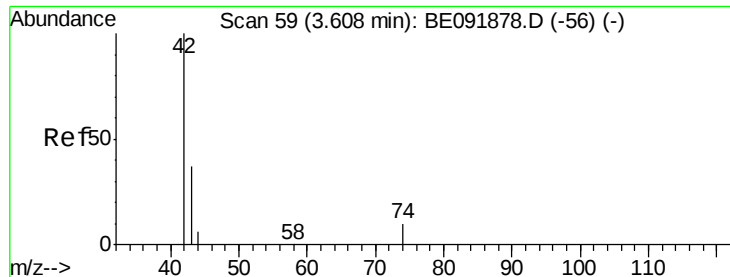


#2

1,4-Dioxane
Concen: 0.21 ng
RT: 3.30 min Scan# 41
Delta R.T. -0.02 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Tgt Ion: 88 Resp: 701
Ion Ratio Lower Upper
88 100
58 70.2 63.0 94.4
43 34.1 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 0.15 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.02 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

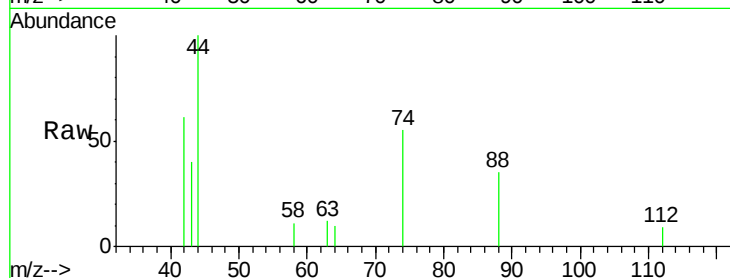
Tot Ion: 42 Resp: 624

Ion Ratio Lower Upper

42 100

74 108.3 93.4 140.0

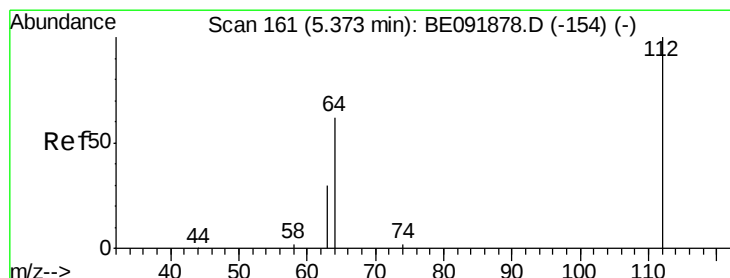
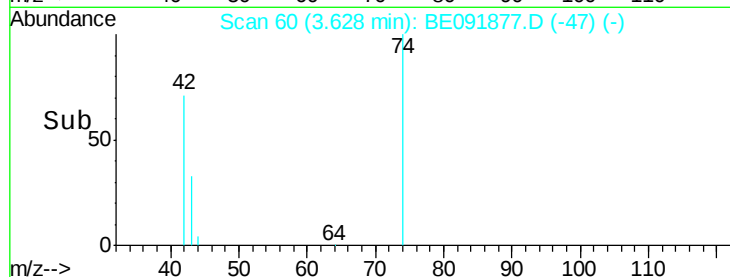
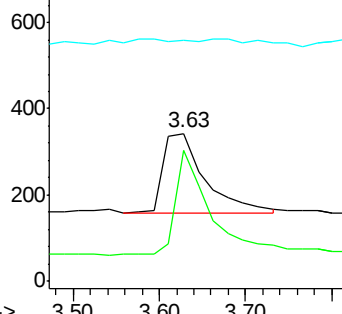
44 0.0 5.0 7.6#



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: 0.13 ng

RT: 5.38 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

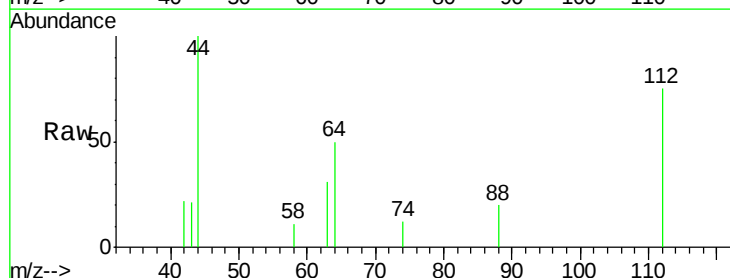
Tgt Ion: 112 Resp: 809

Ion Ratio Lower Upper

112 100

64 67.1 53.7 80.5

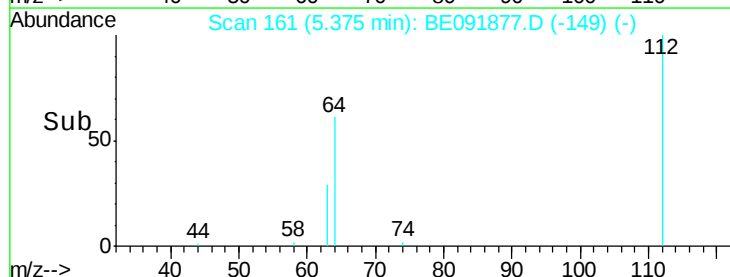
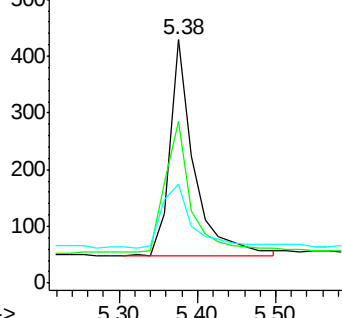
63 40.5 29.5 44.3

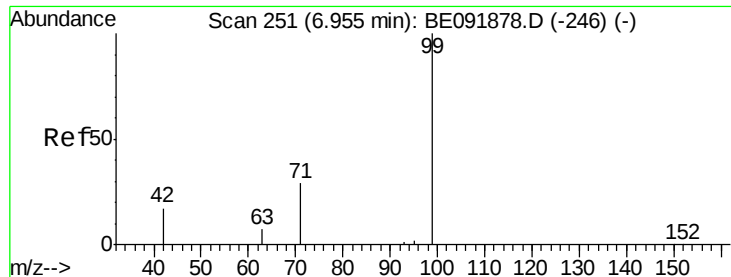


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.11 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampled :

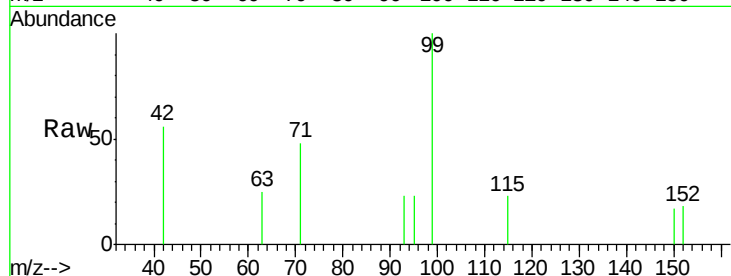
Tot Ion: 99 Resp: 929

Ion Ratio Lower Upper

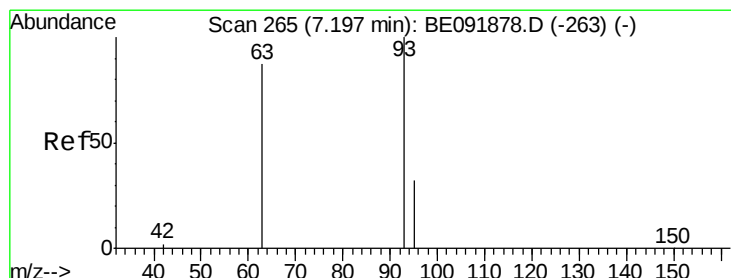
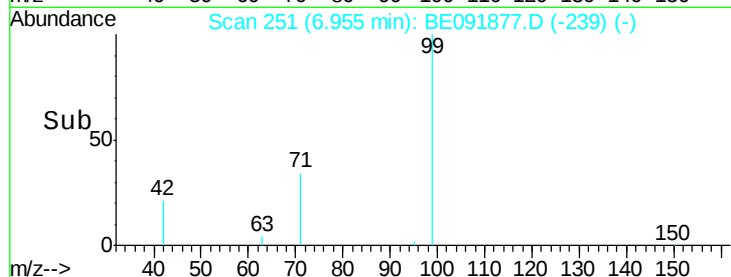
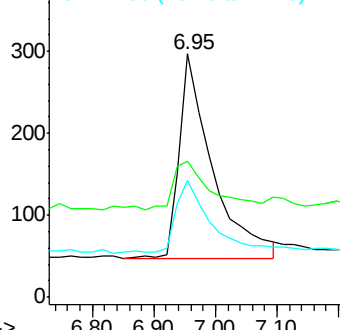
99 100

42 27.2 19.6 29.4

71 36.1 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: 0.15 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

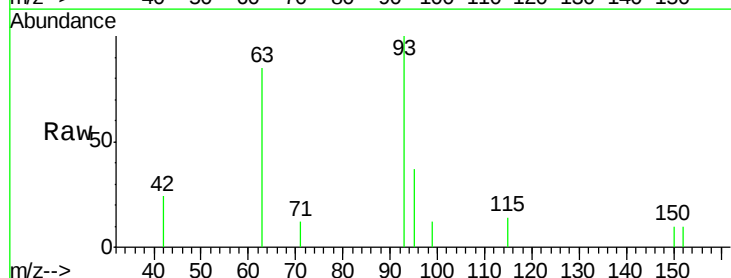
Tgt Ion: 93 Resp: 1045

Ion Ratio Lower Upper

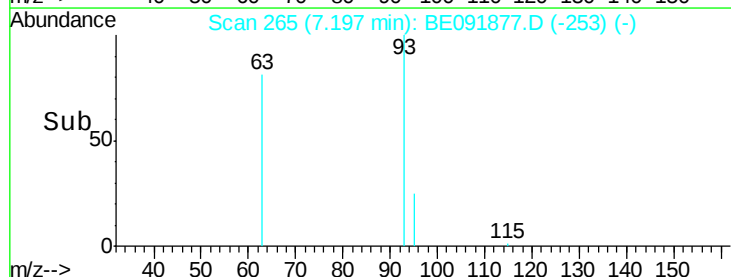
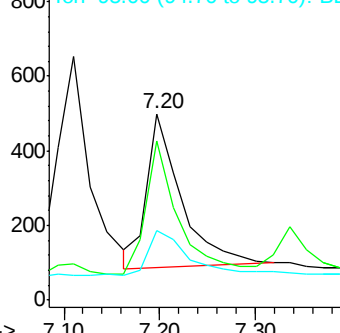
93 100

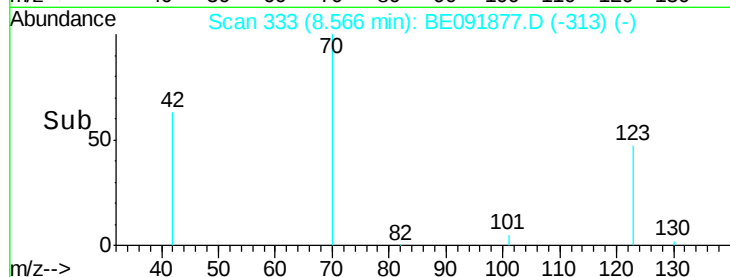
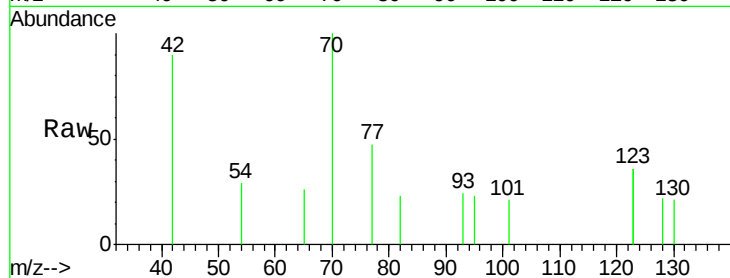
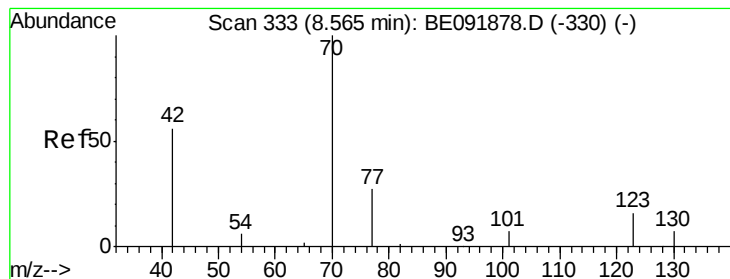
63 79.3 66.2 99.4

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: 0.12 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 797

Ion Ratio Lower Upper

70 100

42 70.8 58.4 87.6

101 0.0 6.4 9.6#

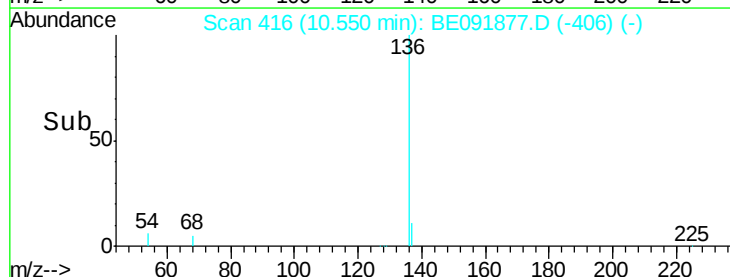
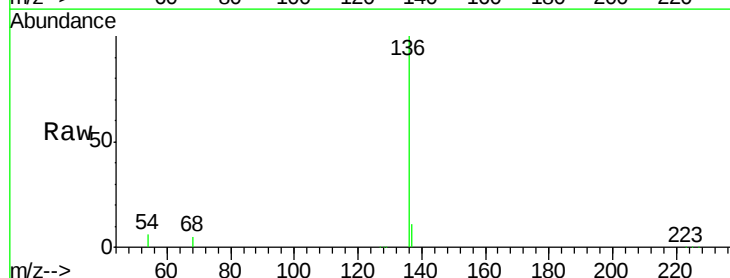
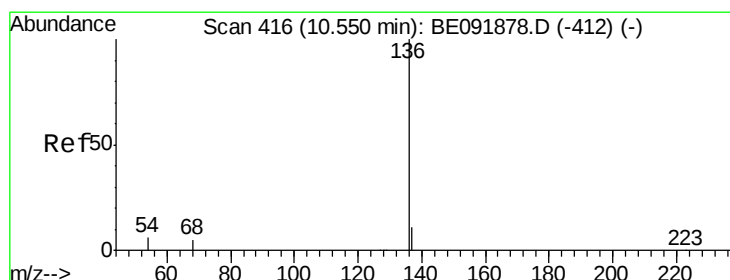
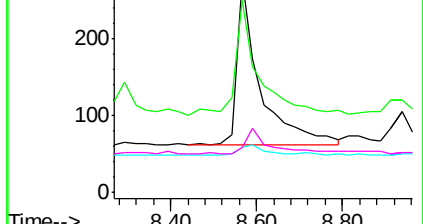
130 0.0 0.0 0.0

Abundance Ion 70.00 (69.70 to 70.70): BE091877.D (-313) (-)

Ion 42.00 (41.70 to 42.70): BE091877.D (-313) (-)

Ion 101.00 (100.70 to 101.70): BE091877.D (-313) (-)

Ion 130.00 (129.70 to 130.70): BE091877.D (-313) (-)



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Tgt Ion: 136 Resp: 99480

Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 6.2 8.2 12.4#

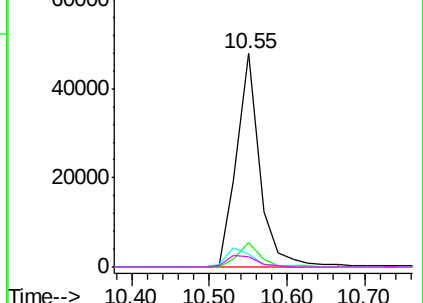
68 4.8 5.9 8.9#

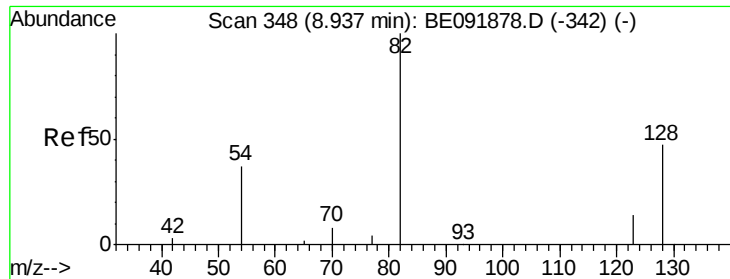
Abundance Ion 136.00 (135.70 to 136.70): BE091877.D (-406) (-)

Ion 137.00 (136.70 to 137.70): BE091877.D (-406) (-)

Ion 54.00 (53.70 to 54.70): BE091877.D (-406) (-)

Ion 68.00 (67.70 to 68.70): BE091877.D (-406) (-)





#9

Nitrobenzene-d5

Concen: 0.12 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

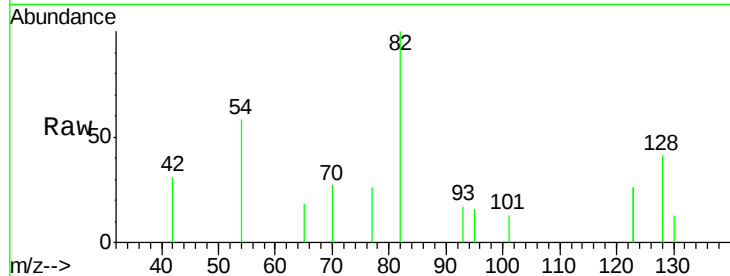
Tot Ion: 82 Resp: 993

Ion Ratio Lower Upper

82 100

128 40.6 39.5 59.3

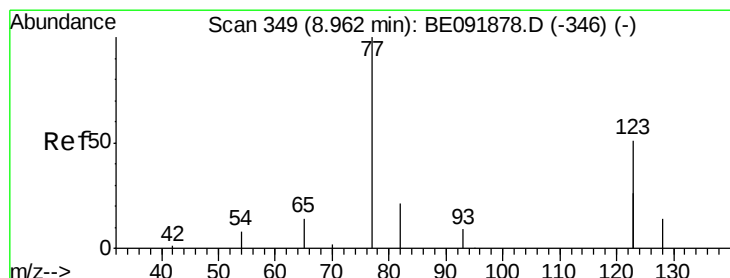
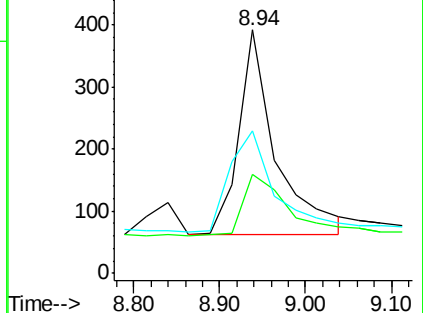
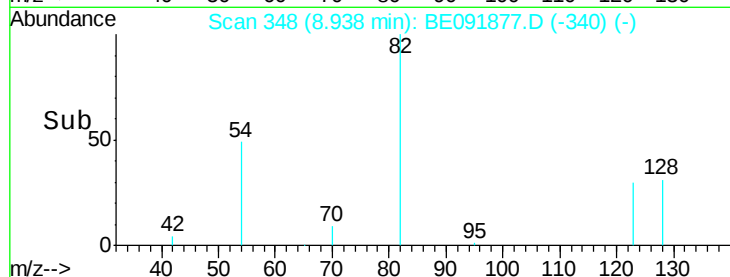
54 58.4 30.3 45.5#



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: 0.12 ng

RT: 8.99 min Scan# 350

Delta R.T. 0.03 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

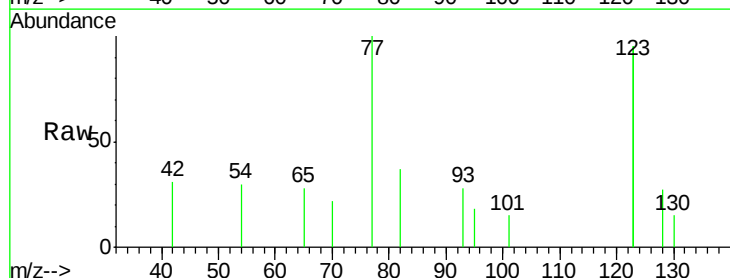
Tgt Ion: 77 Resp: 917

Ion Ratio Lower Upper

77 100

123 145.5 0.0 0.0#

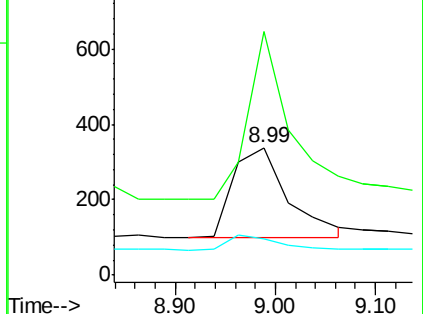
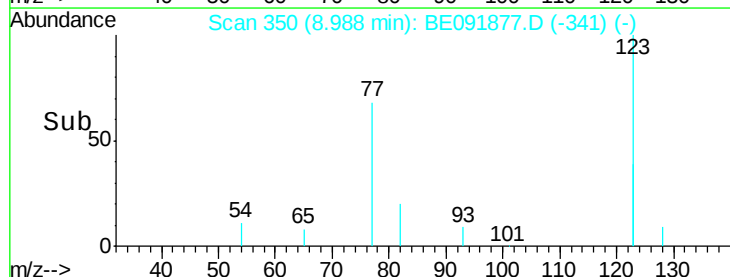
65 0.0 11.1 16.7#

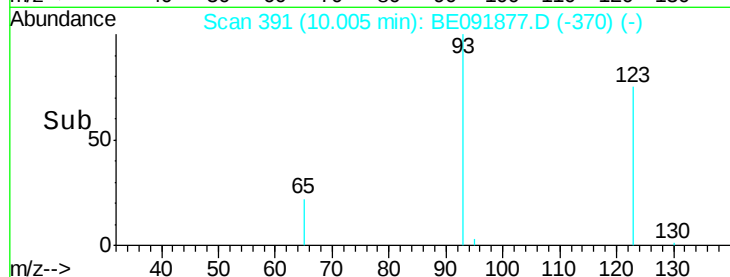
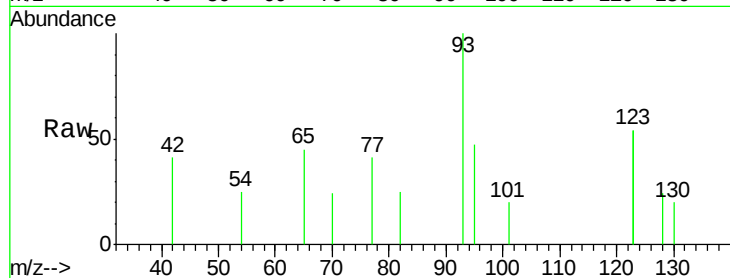
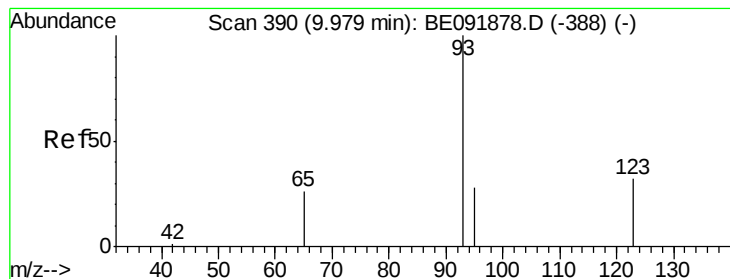


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.19 ng

RT: 10.01 min Scan# 391

Delta R.T. 0.03 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

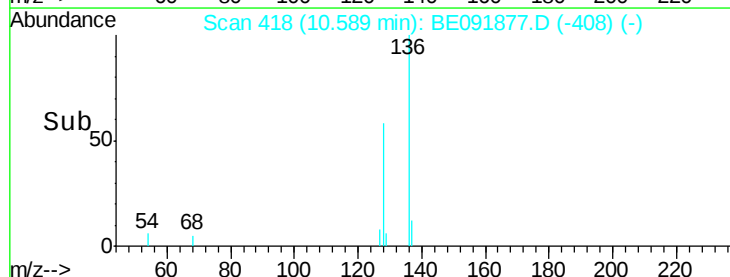
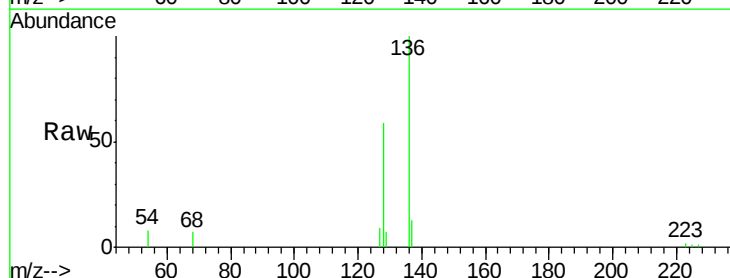
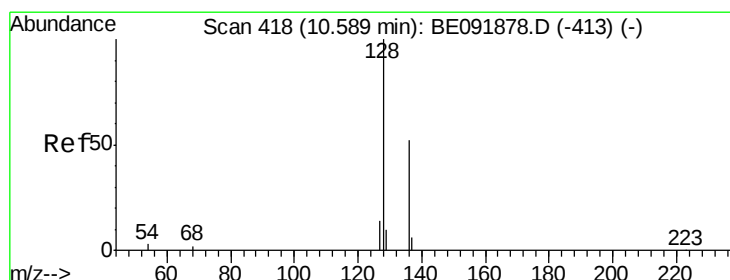
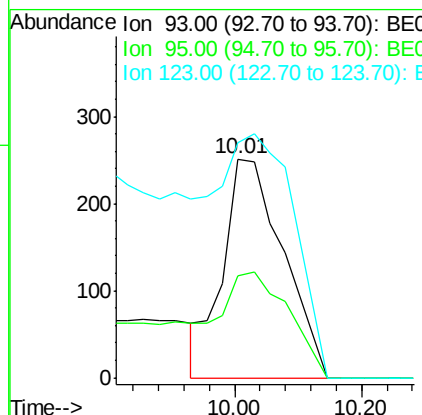
Tot Ion: 93 Resp: 1747

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 0.19 ng

RT: 10.59 min Scan# 418

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

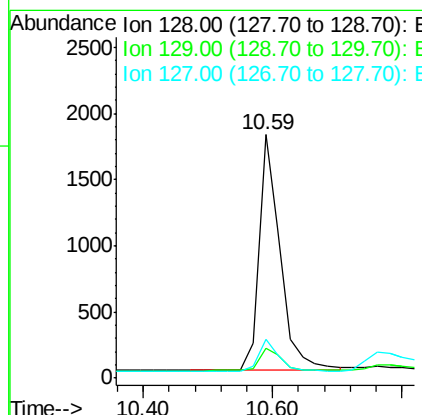
Tgt Ion:128 Resp: 4046

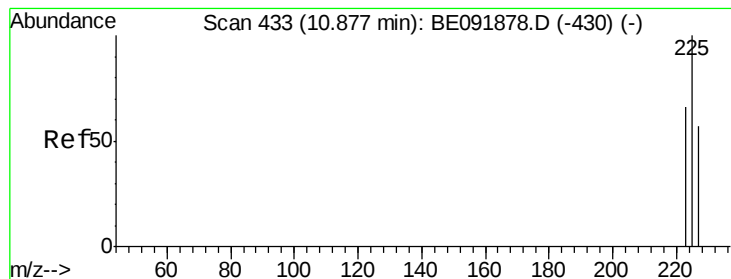
Ion Ratio Lower Upper

128 100

129 12.4 10.4 15.6

127 16.0 10.2 15.2#

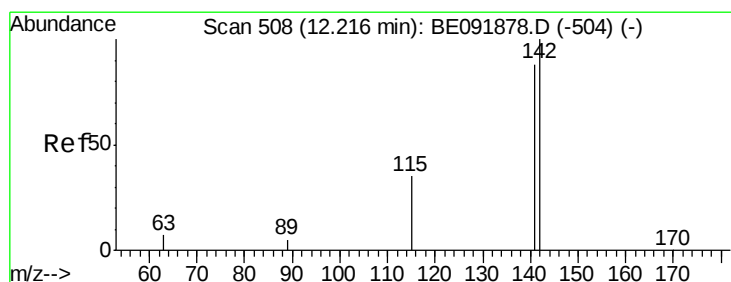
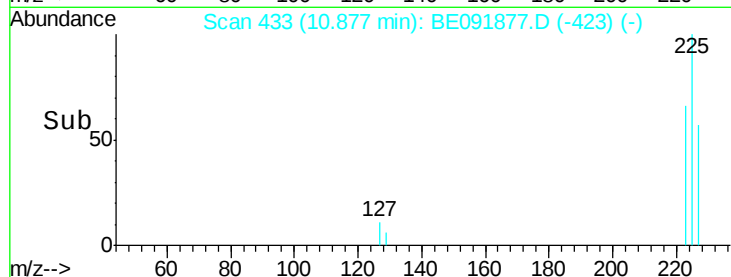
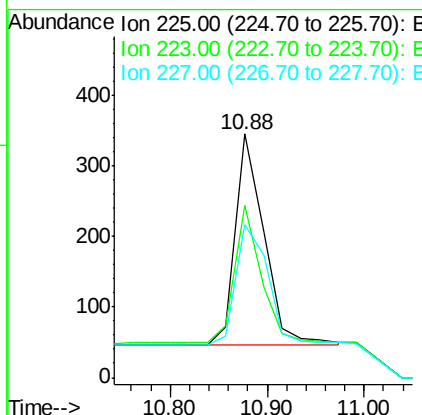
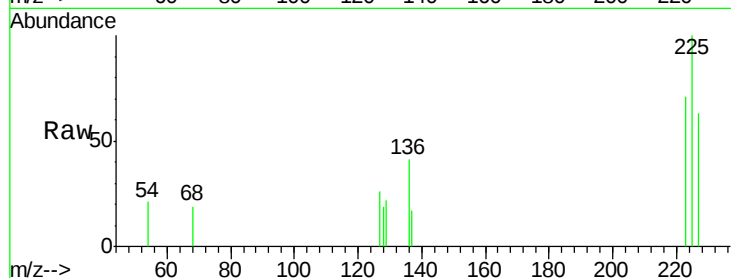




#13
Hexachlorobutadiene
Concen: 0.18 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

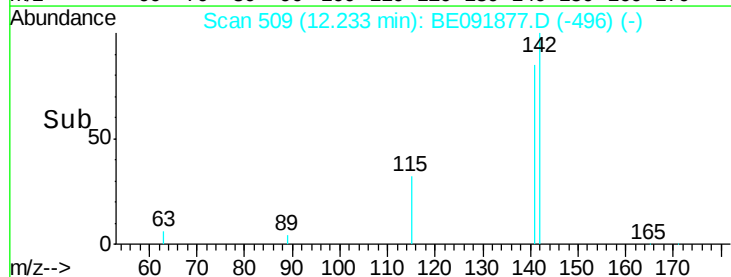
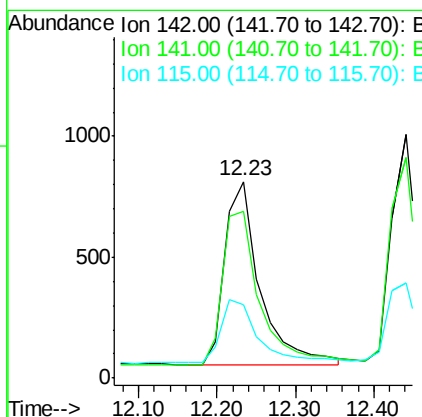
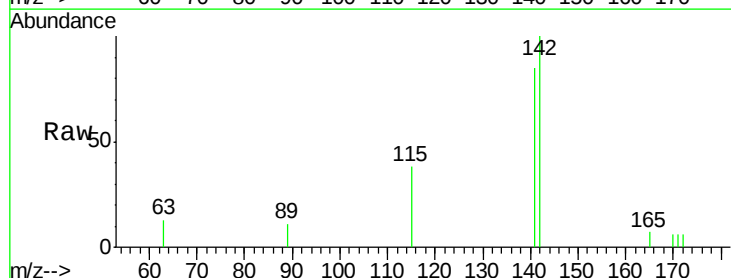
Instrument :
BNA_E
ClientSampleId :

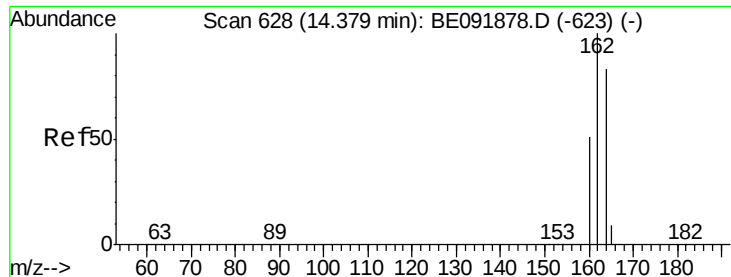
Tot Ion:225 Resp: 609
Ion Ratio Lower Upper
225 100
223 60.6 49.8 74.8
227 63.5 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.16 ng
RT: 12.23 min Scan# 509
Delta R.T. 0.02 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Tgt Ion:142 Resp: 2360
Ion Ratio Lower Upper
142 100
141 84.7 71.9 107.9
115 37.5 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: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

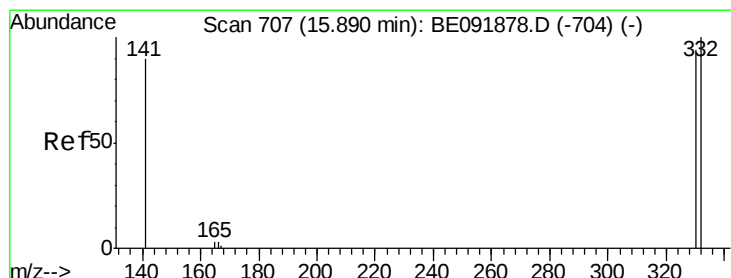
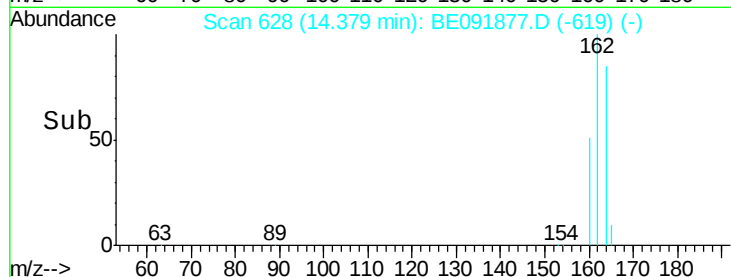
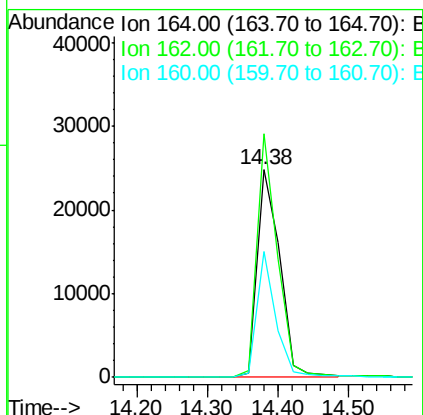
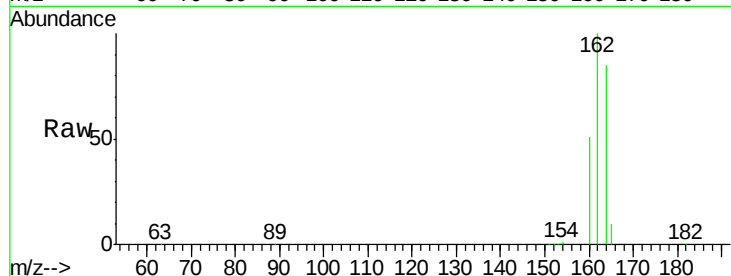
Tot Ion:164 Resp: 55086

Ion Ratio Lower Upper

164 100

162 117.4 71.8 107.8#

160 60.4 28.0 42.0#



#16

2,4,6-Tribromophenol

Concen: 0.10 ng

RT: 15.89 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

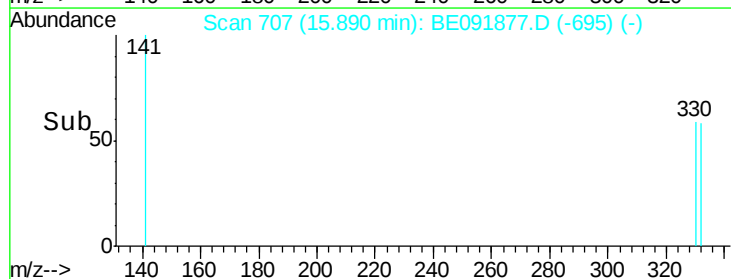
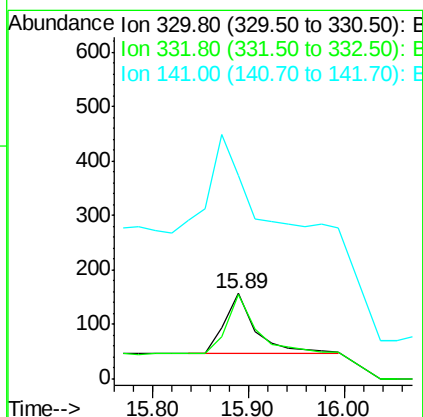
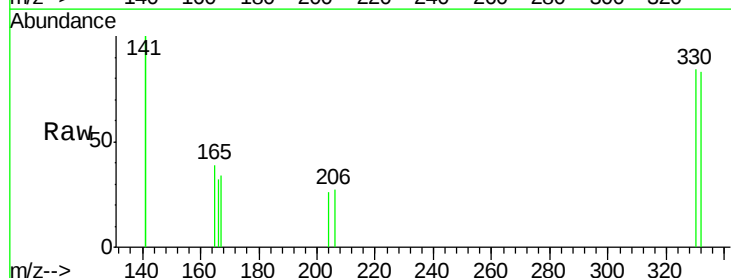
Tgt Ion:330 Resp: 253

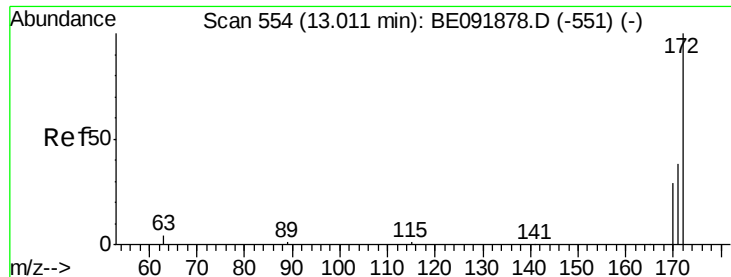
Ion Ratio Lower Upper

330 100

332 93.7 77.0 115.6

141 183.8 138.4 207.6

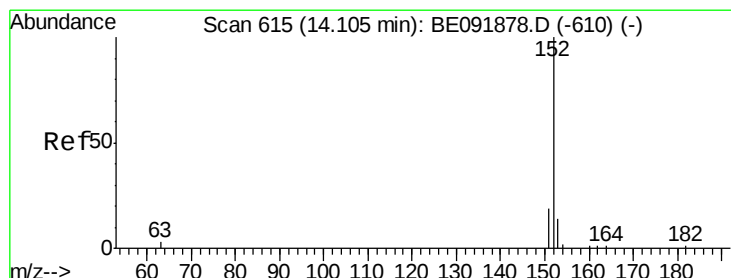
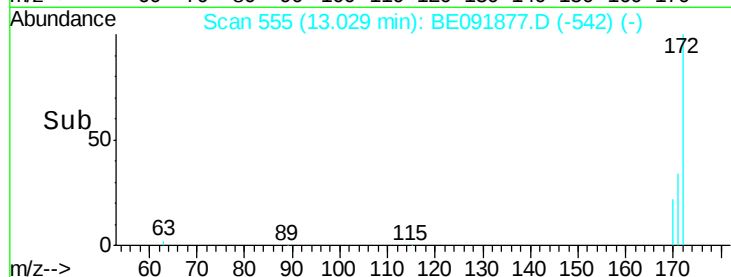
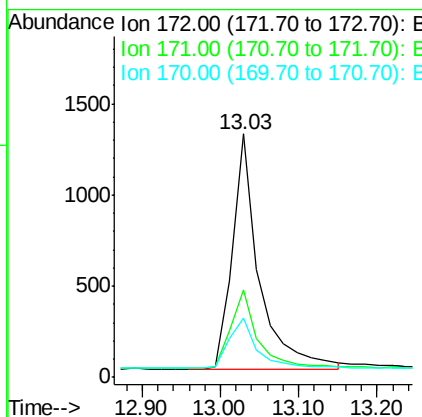
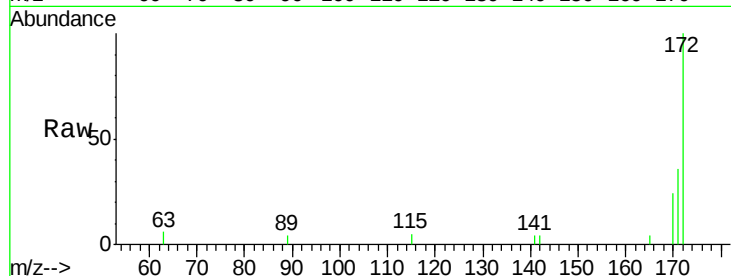




#17
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 13.03 min Scan# 555
Delta R.T. 0.02 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

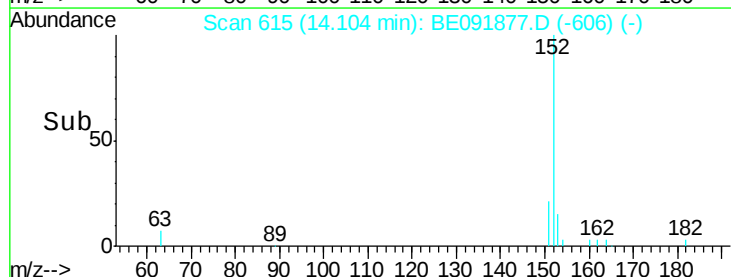
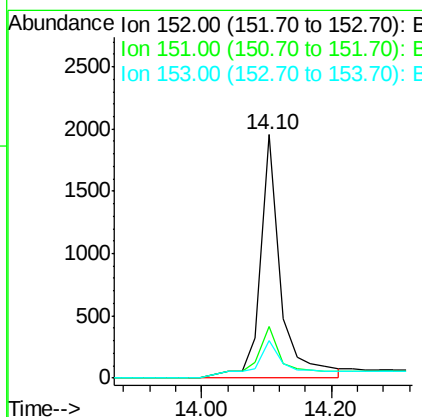
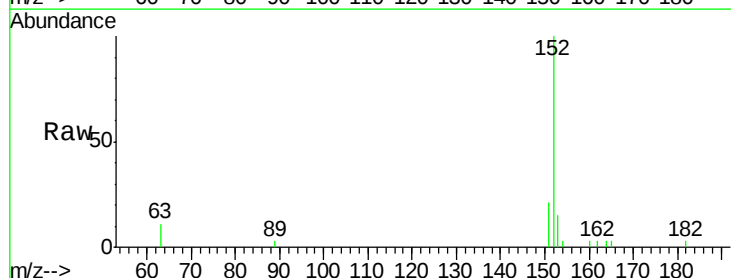
Instrument :
BNA_E
ClientSampleId :

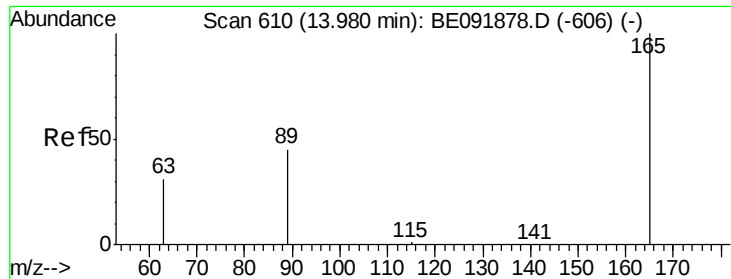
Tot Ion:172 Resp: 3050
Ion Ratio Lower Upper
172 100
171 36.1 24.3 36.5
170 24.5 14.9 22.3#



#18
Acenaphthylene
Concen: 0.17 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Tgt Ion:152 Resp: 4563
Ion Ratio Lower Upper
152 100
151 30.2 19.4 29.2#
153 25.4 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.09 ng

RT: 13.98 min Scan# 610

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

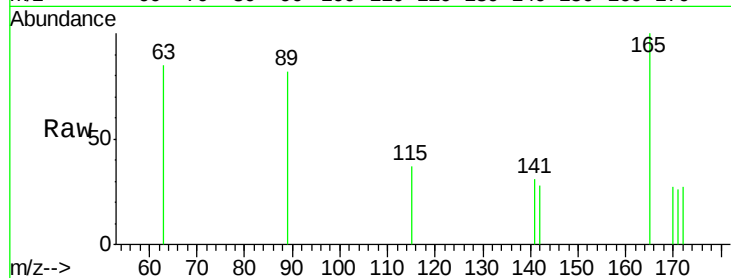
Tot Ion:165 Resp: 351

Ion Ratio Lower Upper

165 100

63 107.7 65.9 98.9#

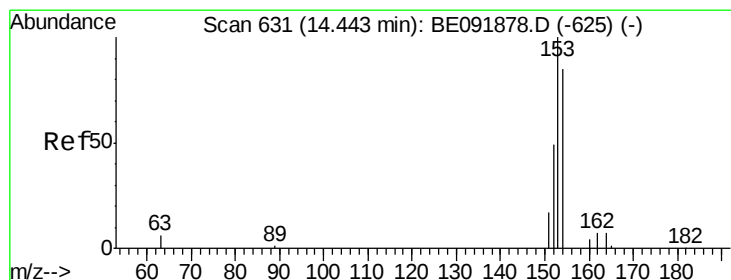
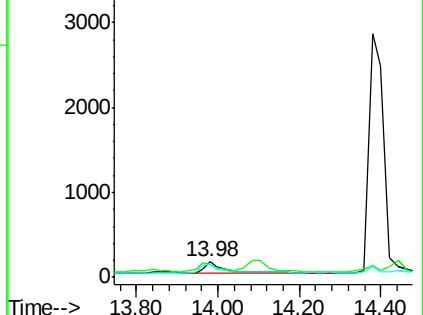
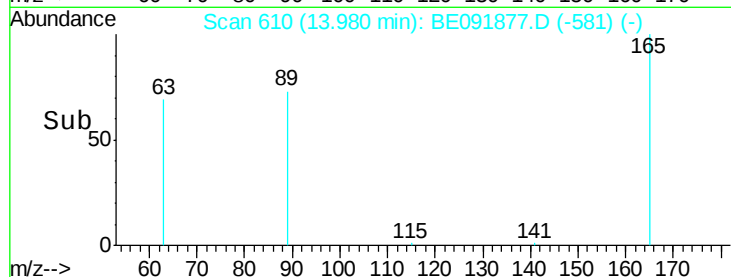
89 96.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.20 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

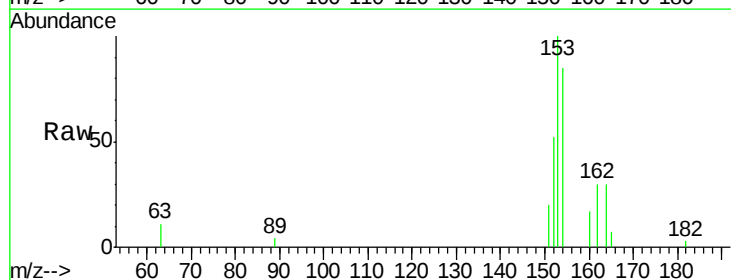
Tgt Ion:154 Resp: 2963

Ion Ratio Lower Upper

154 100

153 103.5 88.1 132.1

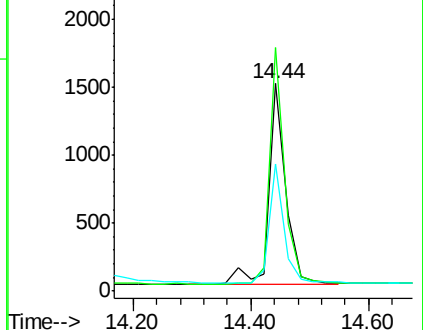
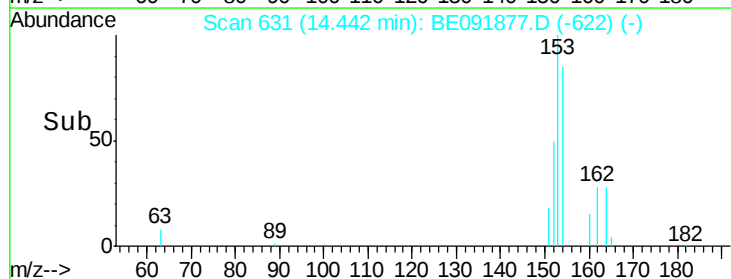
152 50.2 44.2 66.2

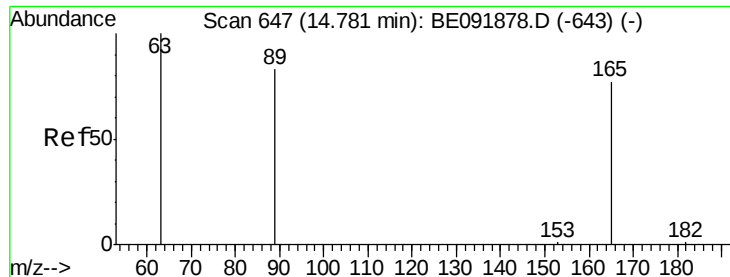


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.09 ng

RT: 14.78 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 389

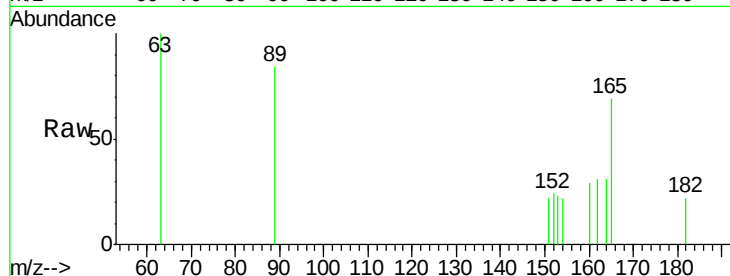
Ion Ratio Lower Upper

165 100

63 475.1 0.0 0.0#

89 409.0 99.8 149.8#

182 0.0 0.0 0.0

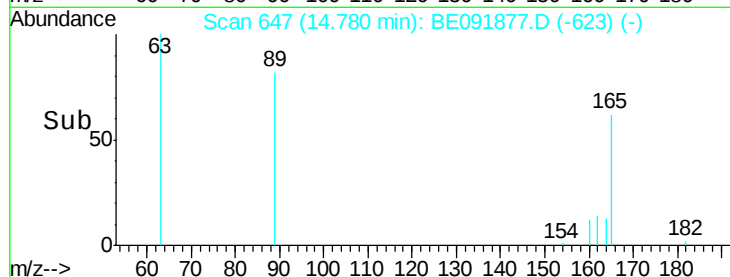
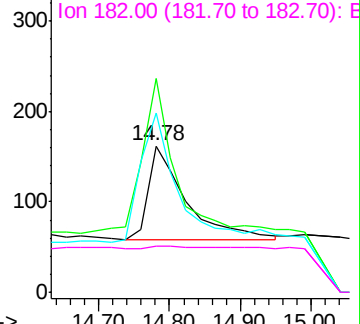


Abundance Ion 165.00 (164.70 to 165.70): E

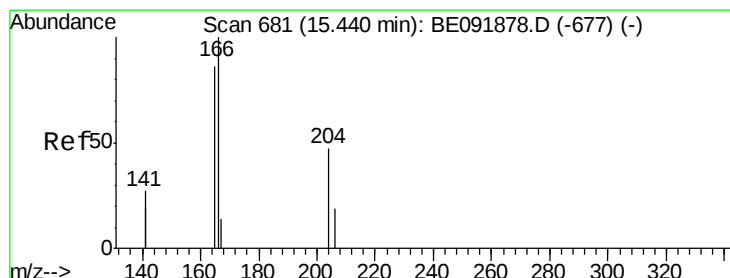
Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



Time-->



#22

Fluorene

Concen: 0.17 ng

RT: 15.44 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

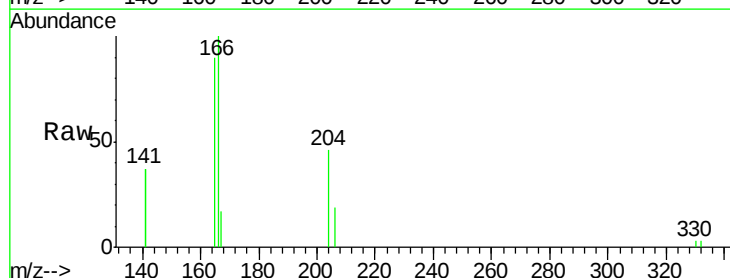
Tgt Ion:166 Resp: 3319

Ion Ratio Lower Upper

166 100

165 97.6 78.6 117.8

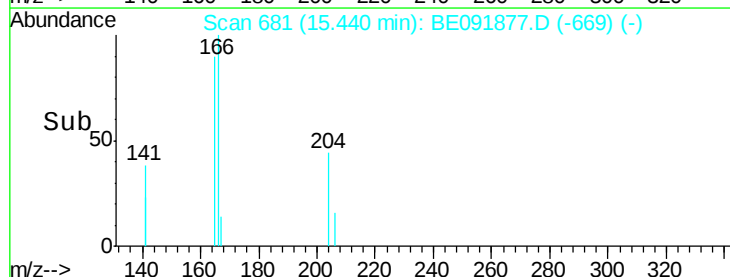
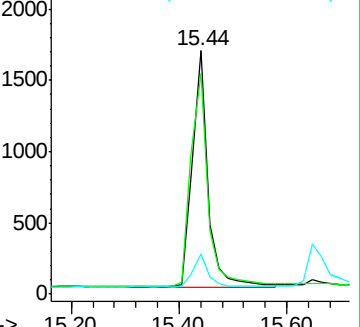
167 13.6 10.8 16.2



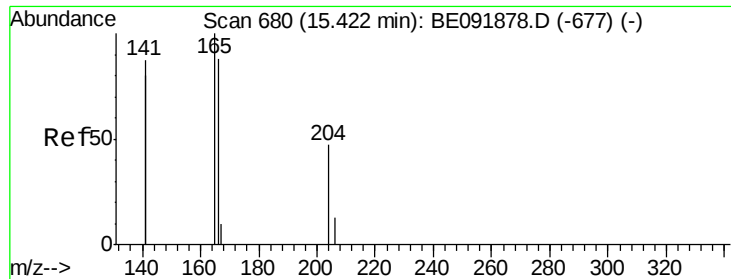
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



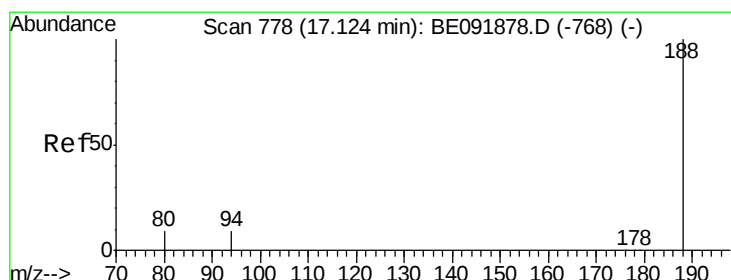
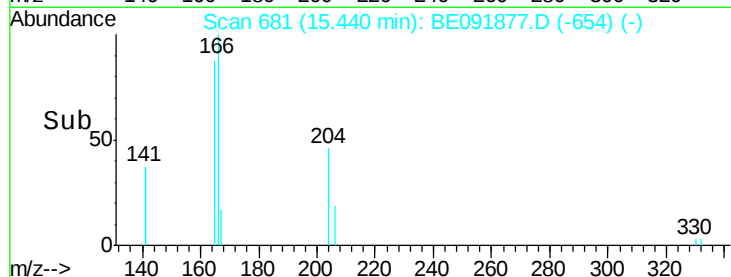
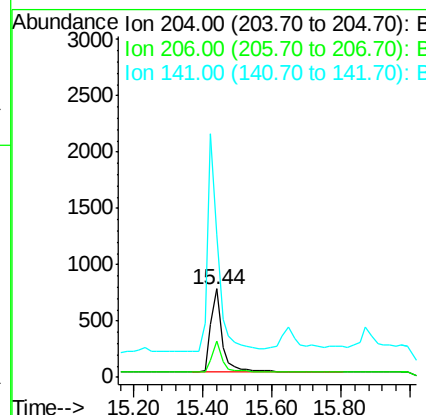
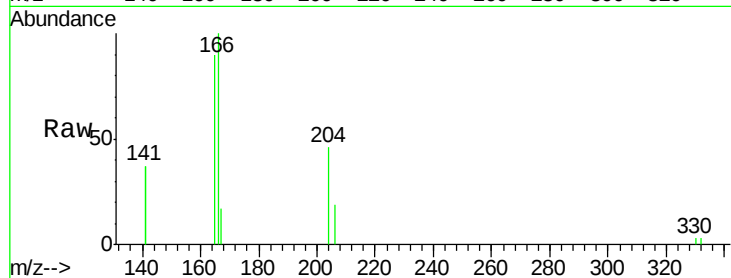
Time-->



#23
4-Chlorophenyl-phenylether
Concen: 0.18 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.02 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

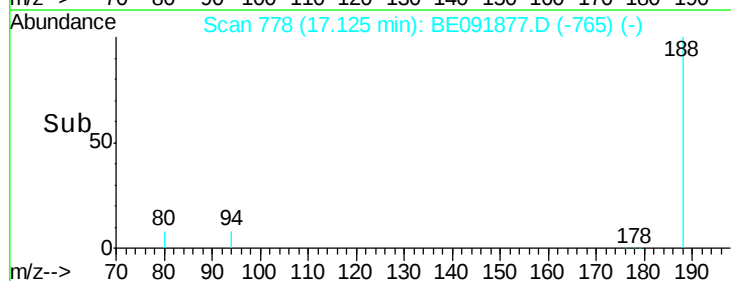
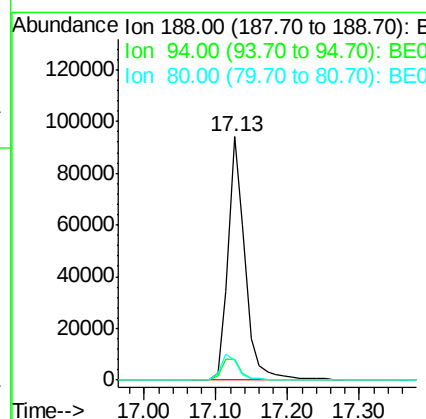
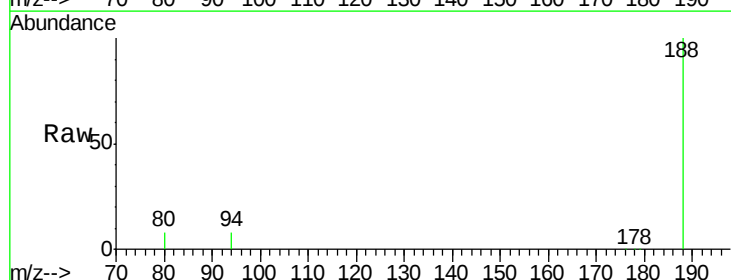
Instrument :
BNA_E
ClientSampleId :

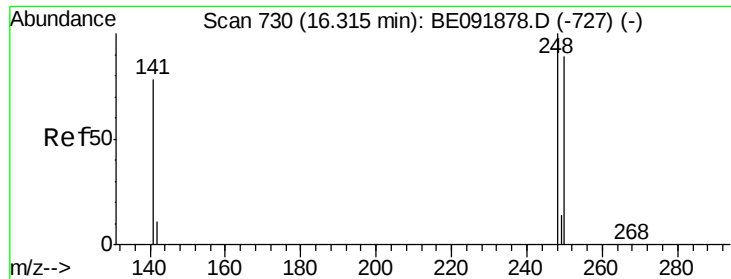
Tot Ion:204 Resp: 1708
Ion Ratio Lower Upper
204 100
206 33.4 27.8 41.6
141 237.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Tgt Ion:188 Resp: 154607
Ion Ratio Lower Upper
188 100
94 8.4 4.1 6.1#
80 8.2 3.4 5.2#

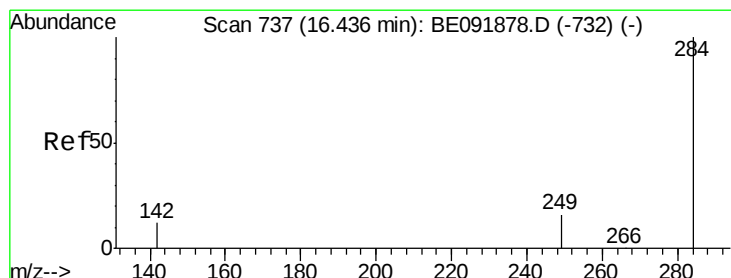
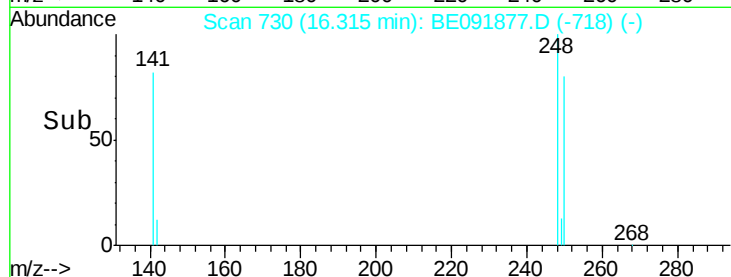
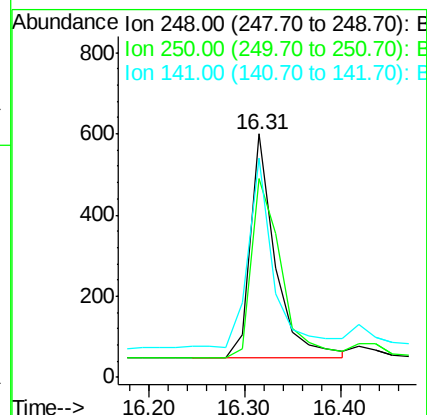
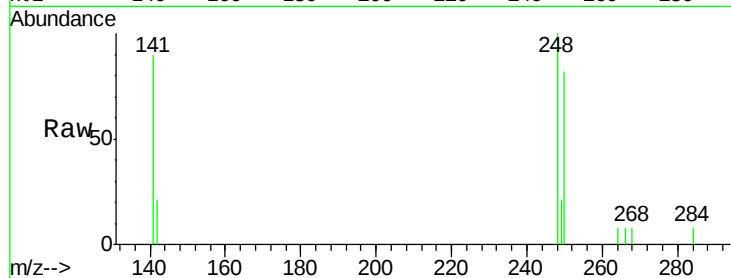




#25
4-Bromophenyl-phenylether
Concen: 0.18 ng
RT: 16.31 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

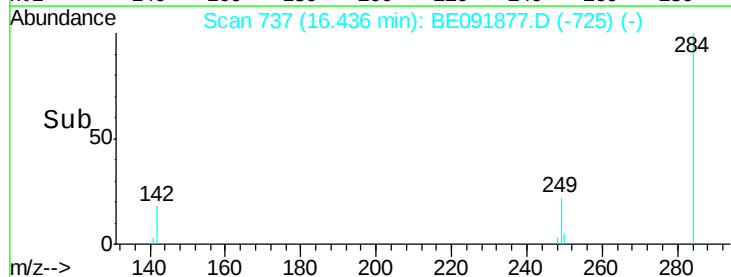
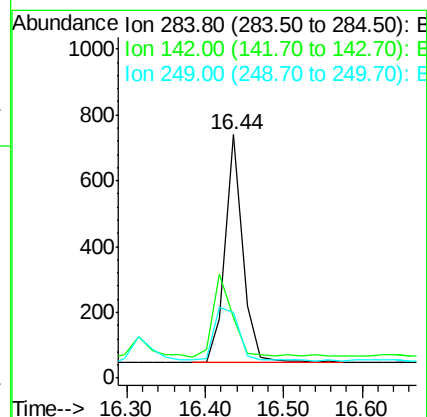
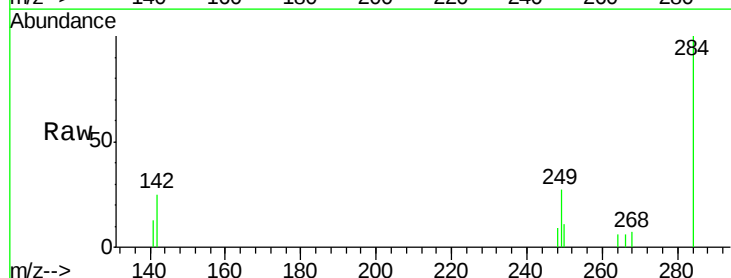
Instrument :
BNA_E
ClientSampleId :

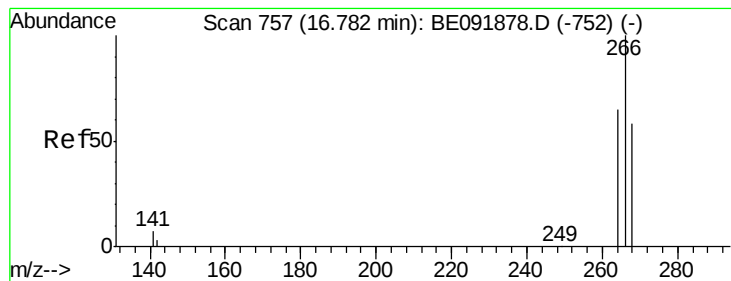
Tot Ion:248 Resp: 1005
Ion Ratio Lower Upper
248 100
250 95.1 75.7 113.5
141 89.6 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.20 ng
RT: 16.44 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Tgt Ion:284 Resp: 1073
Ion Ratio Lower Upper
284 100
142 39.8 31.4 47.2
249 33.6 25.3 37.9





#27

Pentachlorophenol

Concen: 0.15 ng

RT: 16.80 min Scan# 758

Delta R.T. 0.02 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

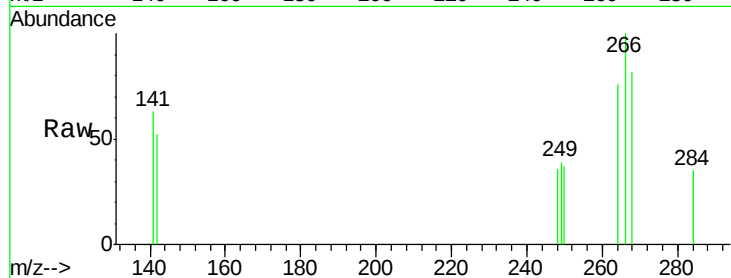
Tot Ion:266 Resp: 308

Ion Ratio Lower Upper

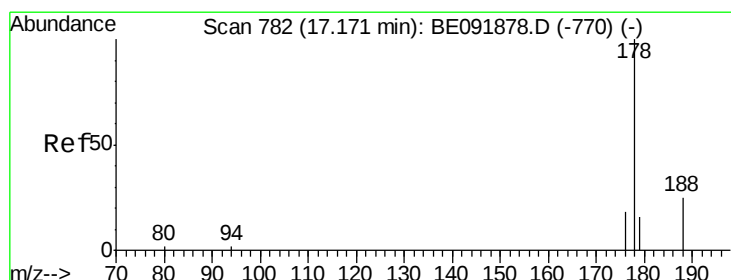
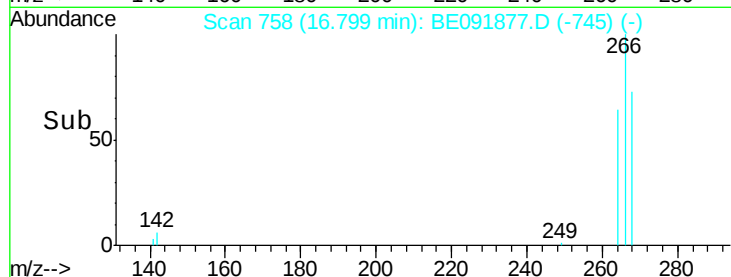
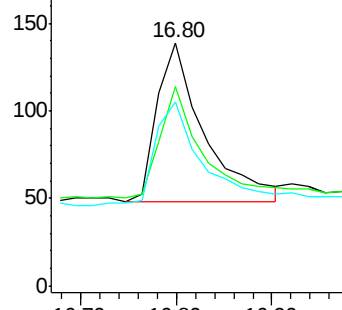
266 100

268 82.0 60.5 90.7

264 75.5 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: 0.21 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

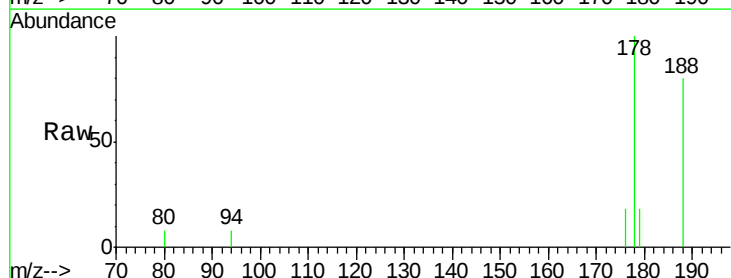
Tgt Ion:178 Resp: 6940

Ion Ratio Lower Upper

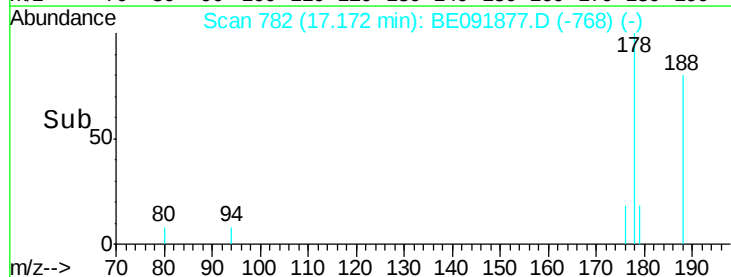
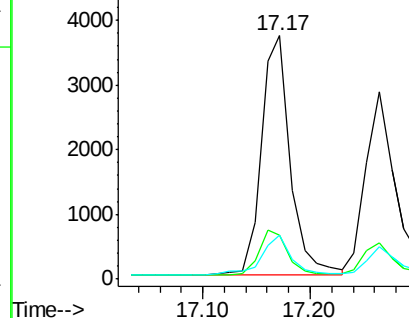
178 100

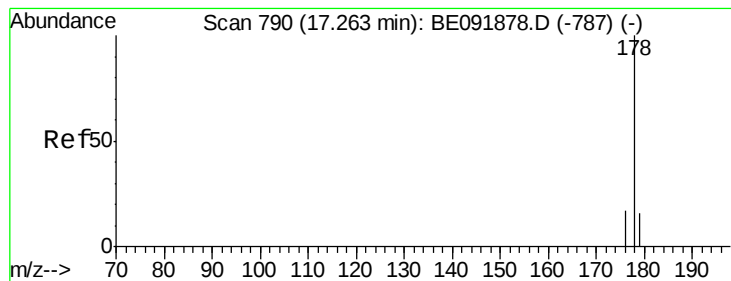
176 18.9 15.4 23.2

179 17.0 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: 0.18 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

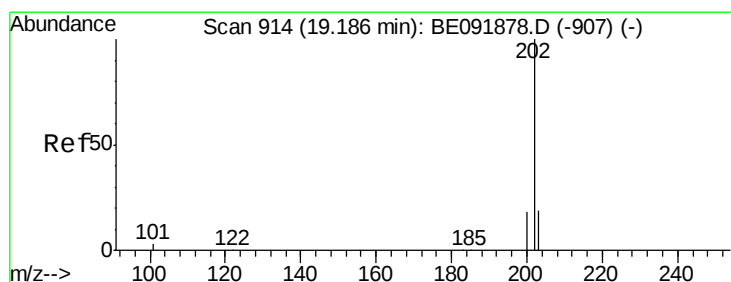
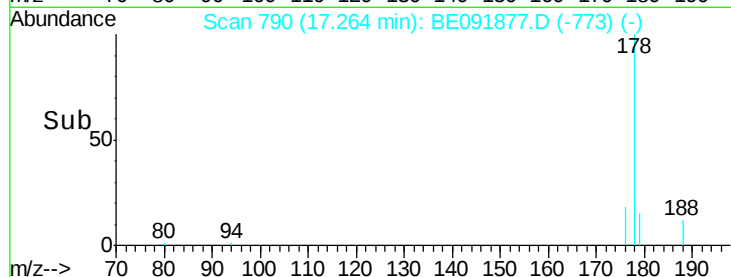
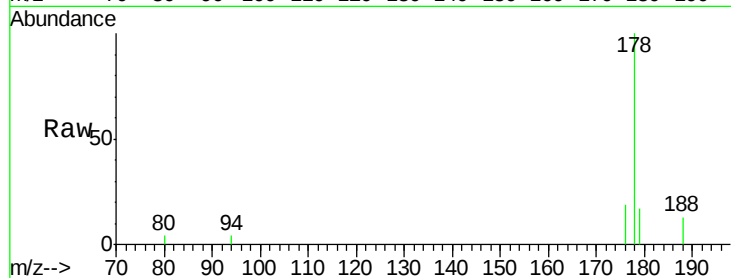
Tot Ion:178 Resp: 5620

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 14.6 12.1 18.1



#30

Fluoranthene

Concen: 0.18 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

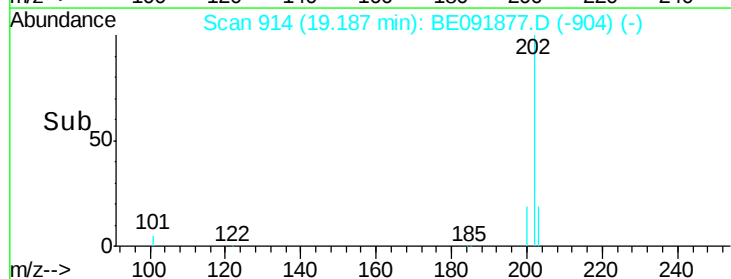
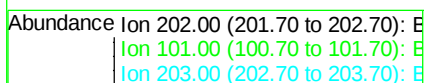
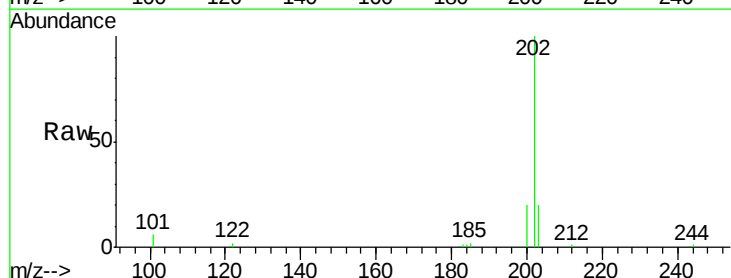
Tgt Ion:202 Resp: 7169

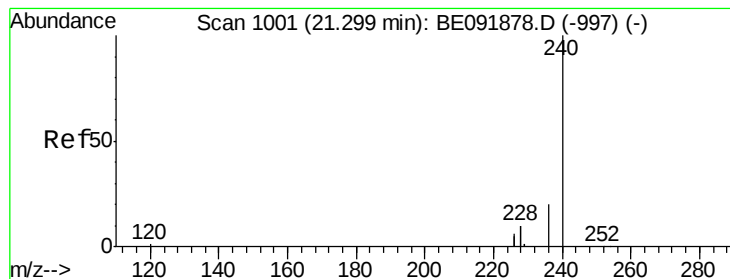
Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.0

203 17.6 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.30 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

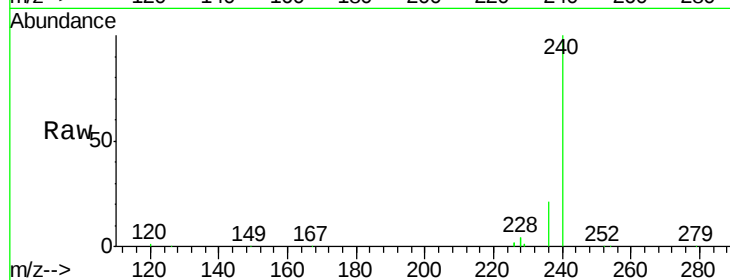
Tot Ion:240 Resp: 153251

Ion Ratio Lower Upper

240 100

120 1.1 1.2 1.8#

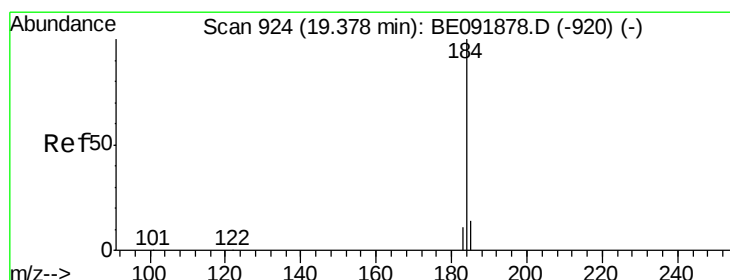
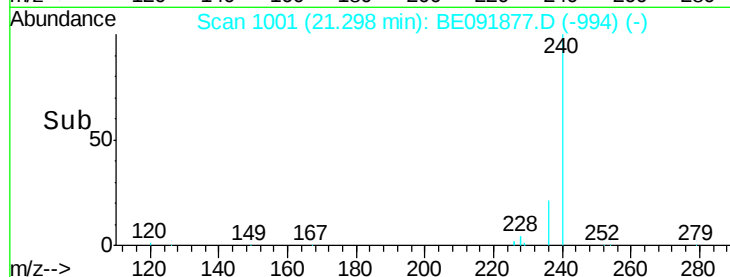
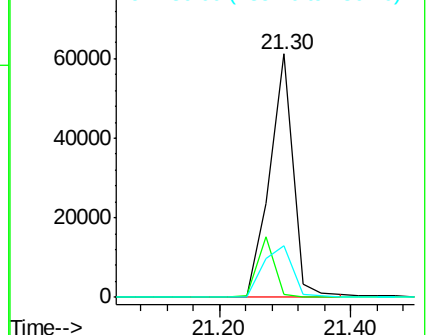
236 21.2 19.8 29.8



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: 0.13 ng

RT: 19.40 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

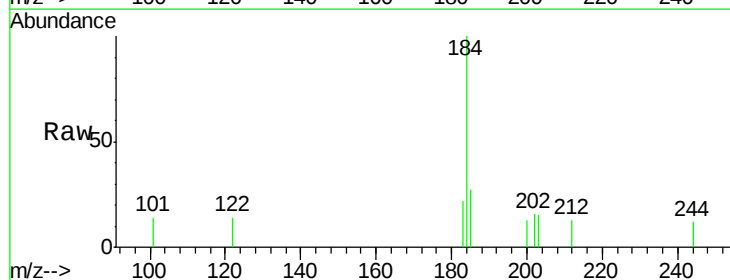
Tgt Ion:184 Resp: 1603

Ion Ratio Lower Upper

184 100

185 26.9 11.4 17.2#

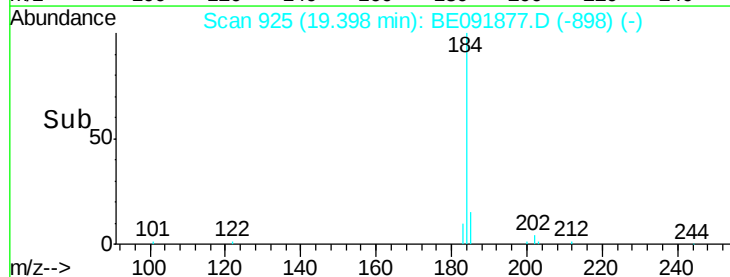
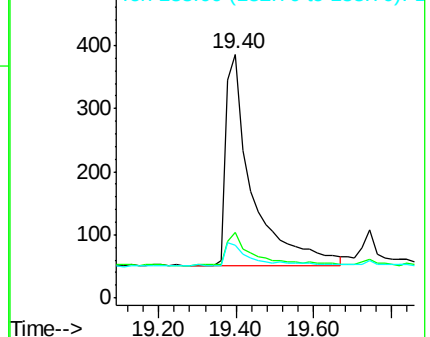
183 21.5 11.8 17.6#

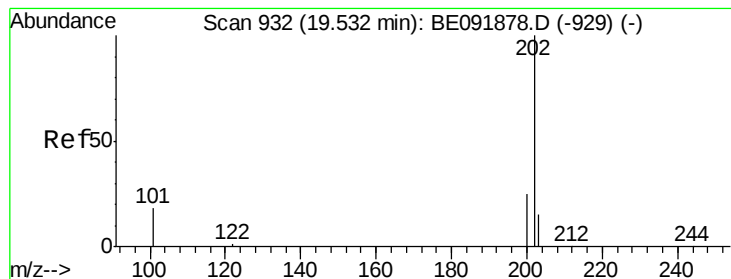


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 0.23 ng

RT: 19.55 min Scan# 933

Delta R.T. 0.02 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

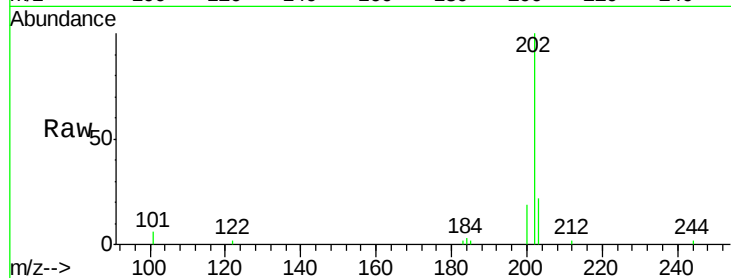
Tot Ion:202 Resp: 7486

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

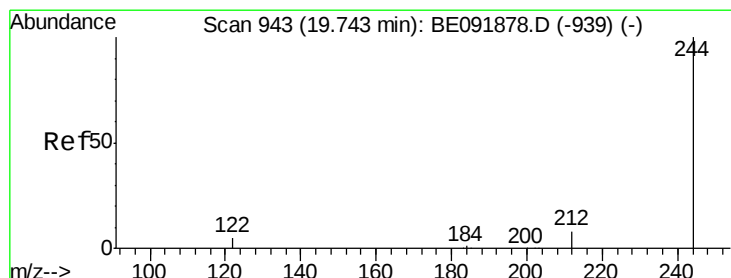
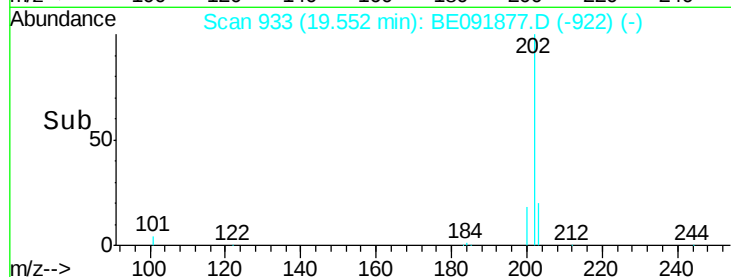
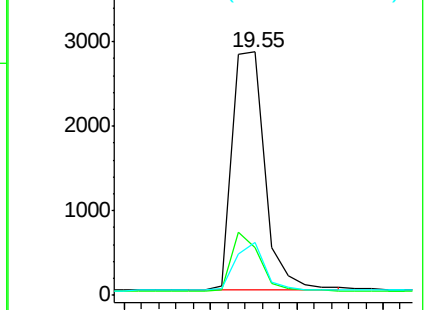
203 18.3 14.1 21.1



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: 0.23 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

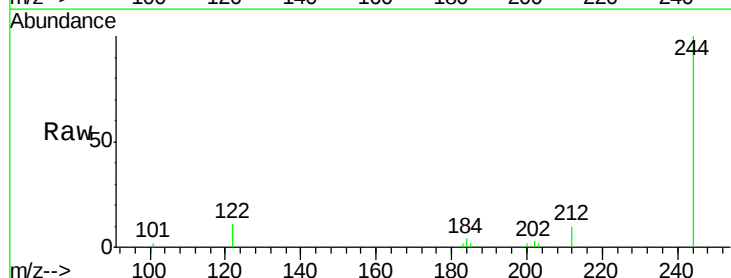
Tgt Ion:244 Resp: 5384

Ion Ratio Lower Upper

244 100

212 10.2 6.5 9.7#

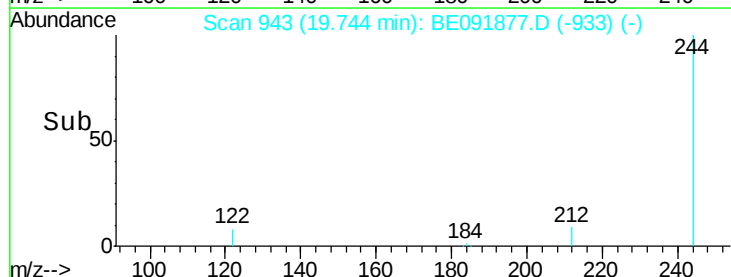
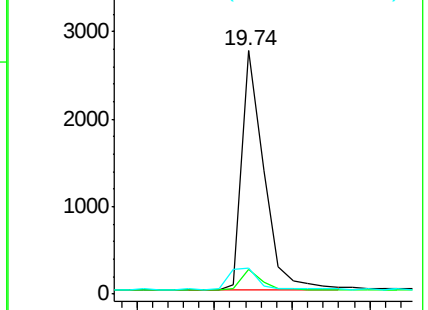
122 10.6 2.9 4.3#

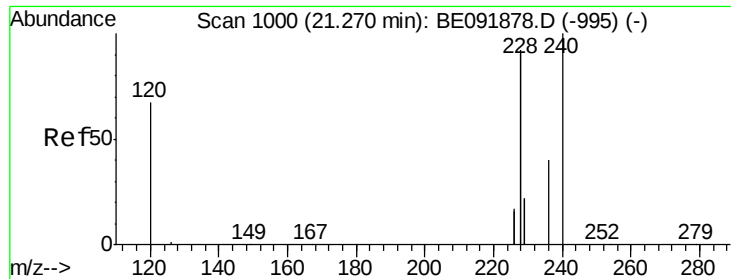


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

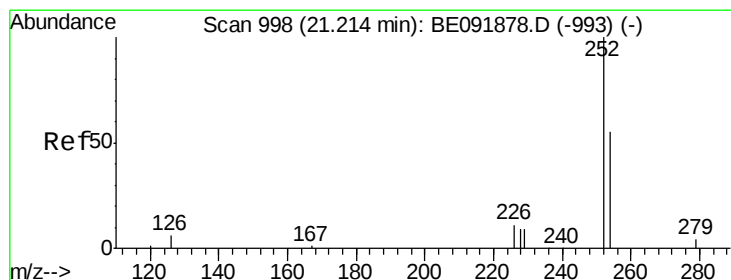
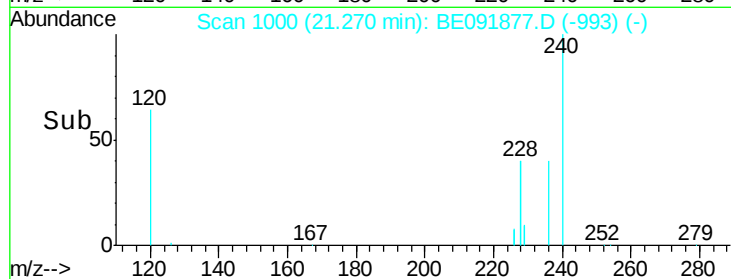
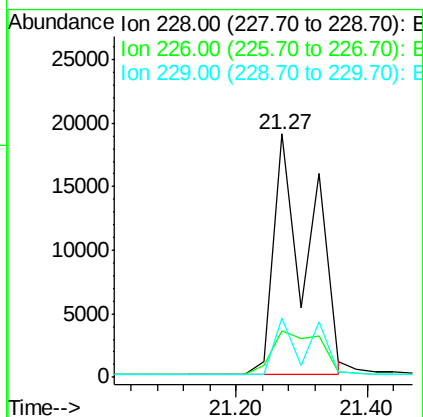
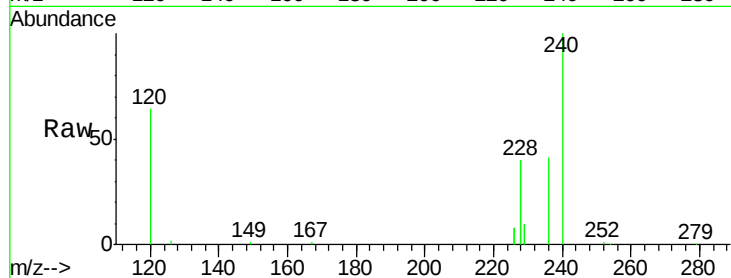




#35
Benzo(a)anthracene
Concen: 1.76 ng
RT: 21.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

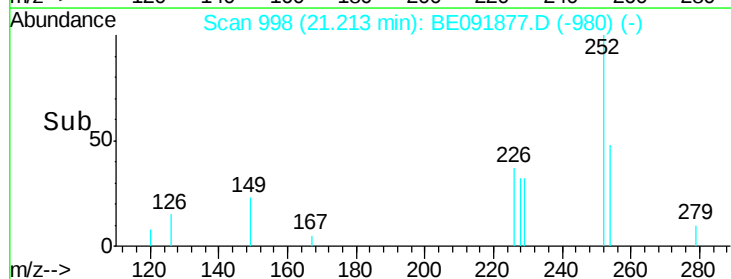
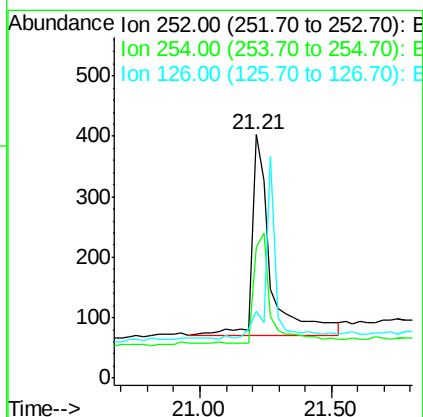
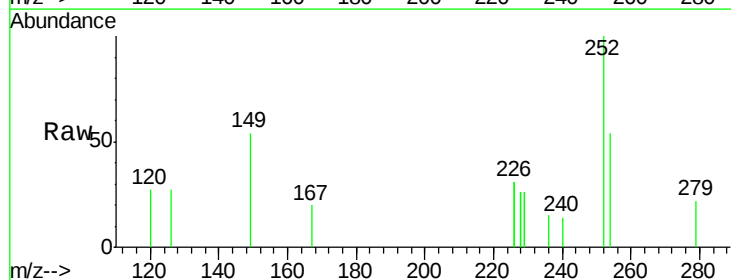
Instrument :
BNA_E
ClientSampleId :

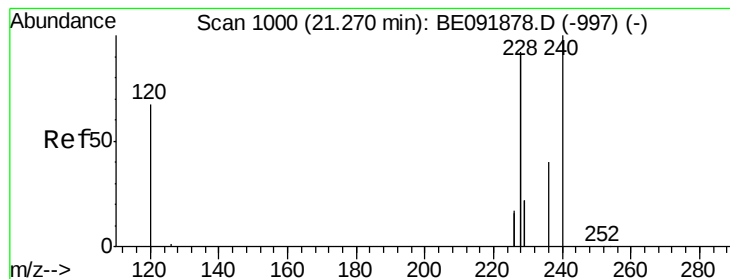
Tot Ion:228 Resp: 71765
Ion Ratio Lower Upper
228 100
226 19.1 21.0 31.4#
229 24.3 15.8 23.8#



#36
3,3'-Dichlorobenzidine
Concen: 0.07 ng
RT: 21.21 min Scan# 998
Delta R.T. -0.00 min
Lab File: BE091877.D
Acq: 7 Jun 2016 10:53

Tgt Ion:252 Resp: 1631
Ion Ratio Lower Upper
252 100
254 53.6 61.5 92.3#
126 27.3 2.5 3.7#





#37

Chrysene

Concen: 1.95 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

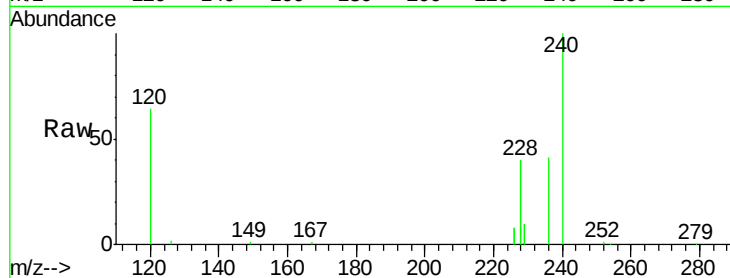
Tot Ion:228 Resp: 72932

Ion Ratio Lower Upper

228 100

226 19.1 27.0 40.6#

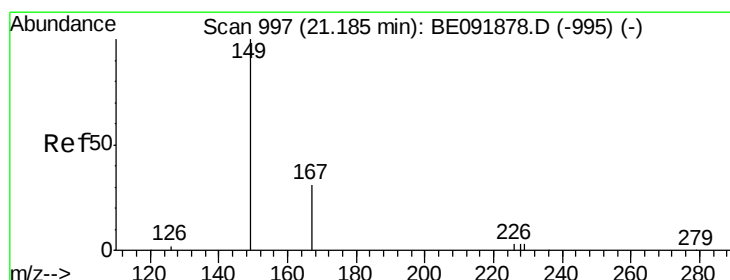
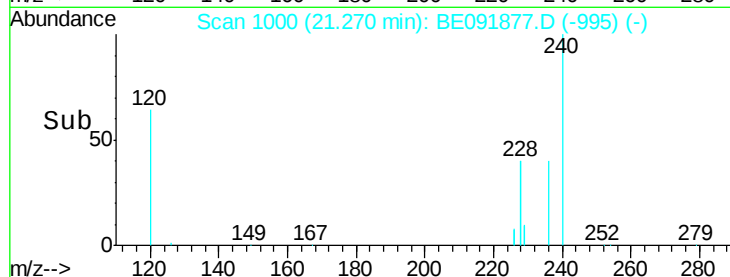
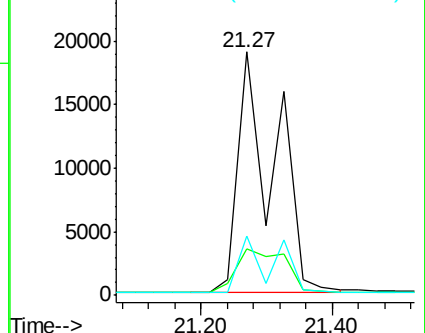
229 24.3 13.8 20.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

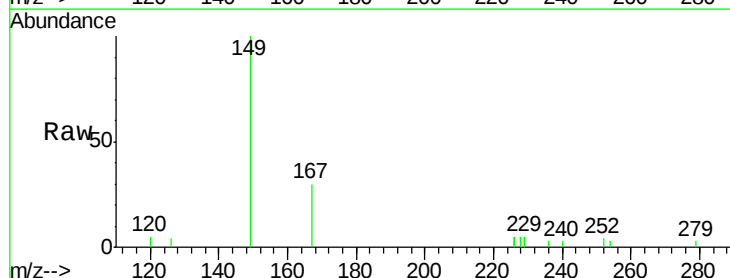
Tgt Ion:149 Resp: 3286

Ion Ratio Lower Upper

149 100

167 30.7 0.0 0.0#

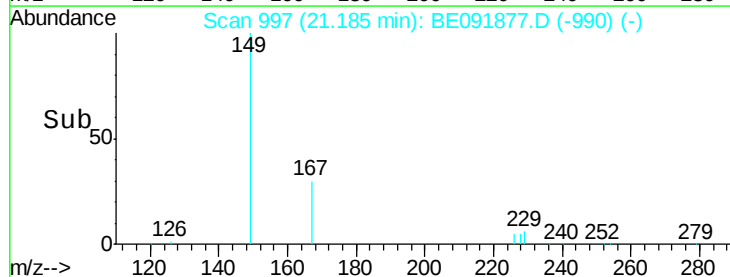
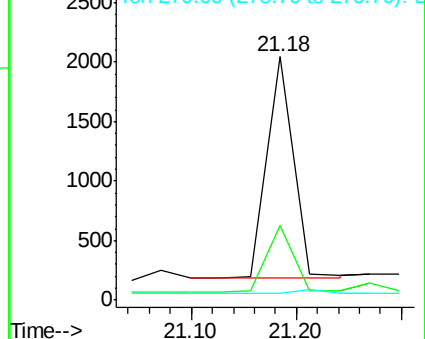
279 0.0 0.0 0.0

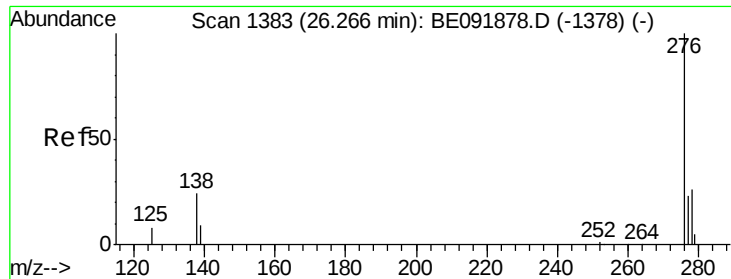


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.24 ng

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

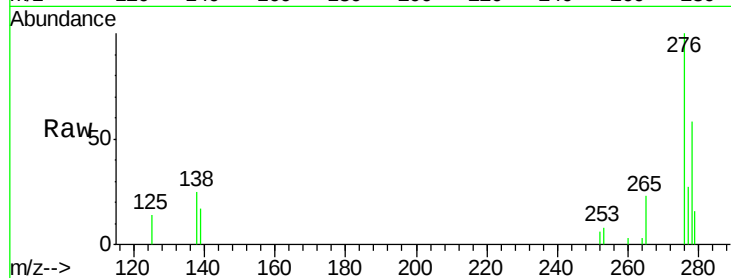
Tot Ion:276 Resp: 9034

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

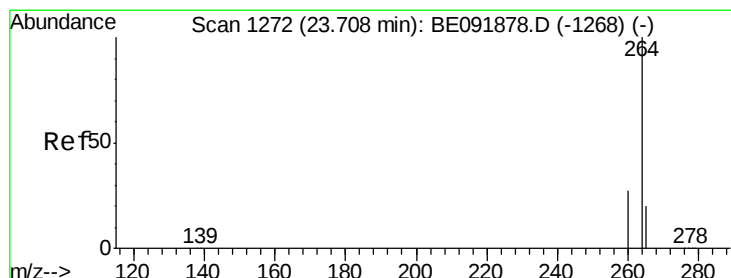
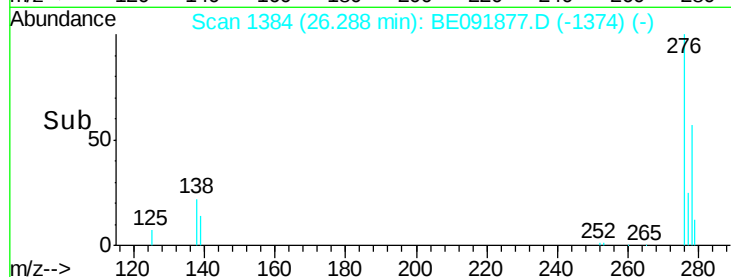
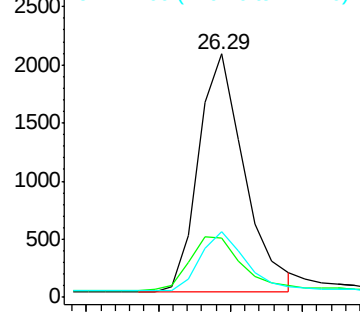
277 24.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

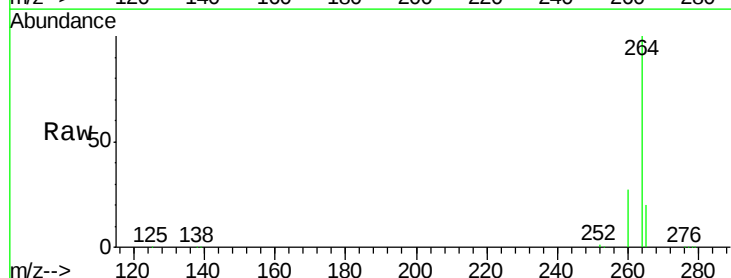
Tgt Ion:264 Resp: 213666

Ion Ratio Lower Upper

264 100

260 27.1 20.3 30.5

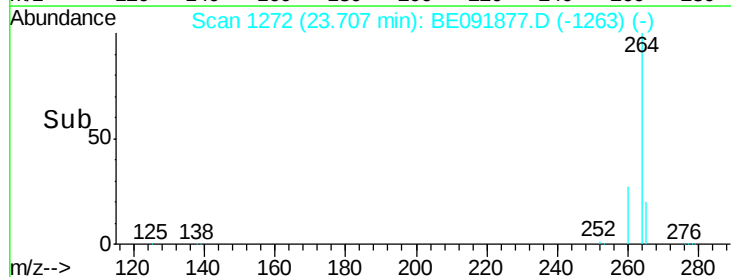
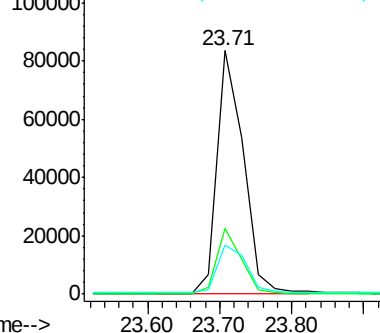
265 20.4 17.6 26.4

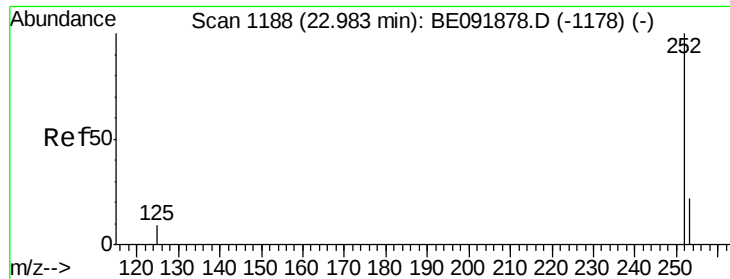


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.16 ng

RT: 22.98 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

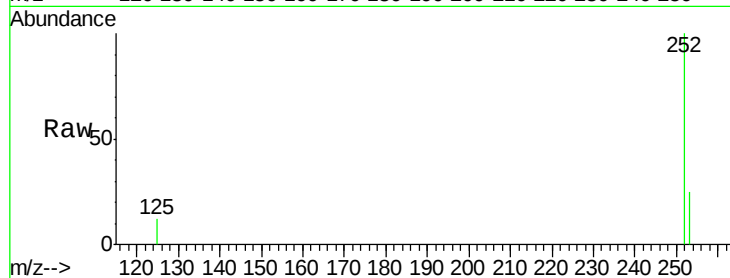
Tot Ion:252 Resp: 9110

Ion Ratio Lower Upper

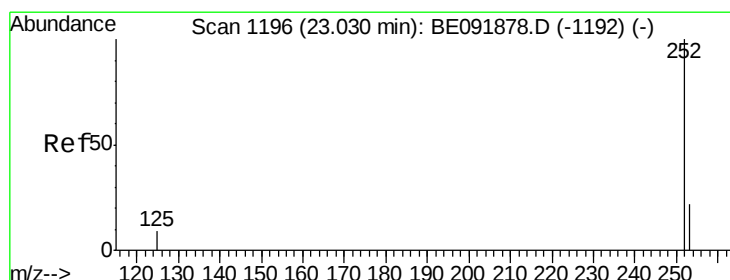
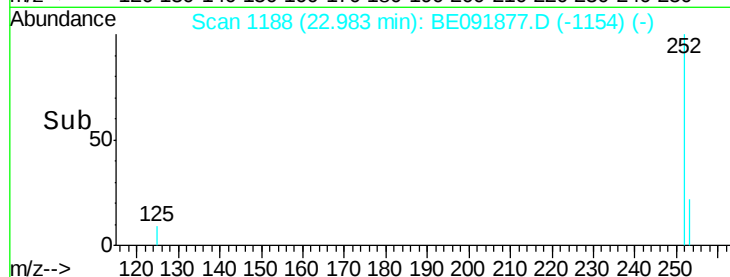
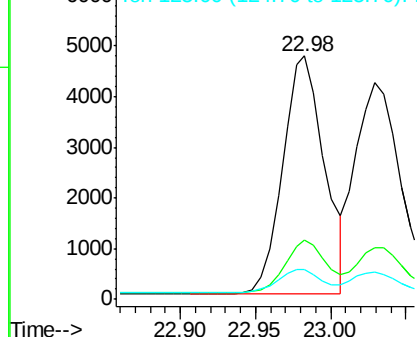
252 100

253 24.6 17.8 26.6

125 12.1 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: 0.17 ng

RT: 22.98 min Scan# 1188

Delta R.T. -0.05 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

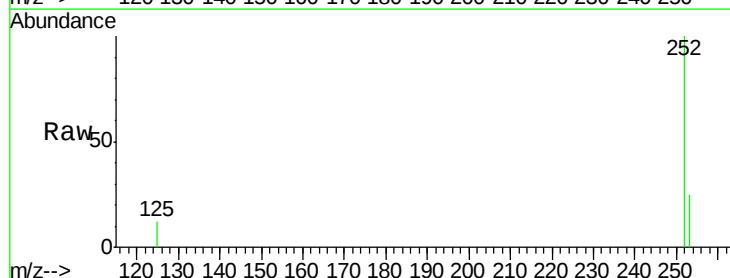
Tgt Ion:252 Resp: 9110

Ion Ratio Lower Upper

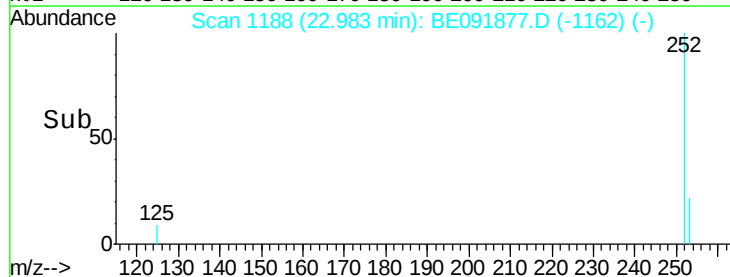
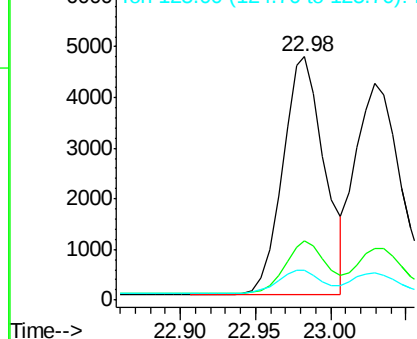
252 100

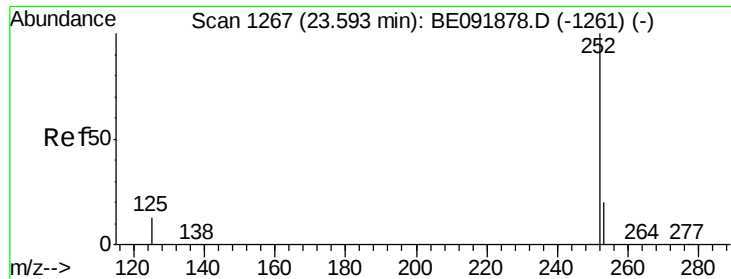
253 24.6 19.4 29.2

125 12.1 8.3 12.5



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





#43

Benzo(a)pyrene

Concen: 0.16 ng

RT: 23.59 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

Instrument :

BNA_E

ClientSampleId :

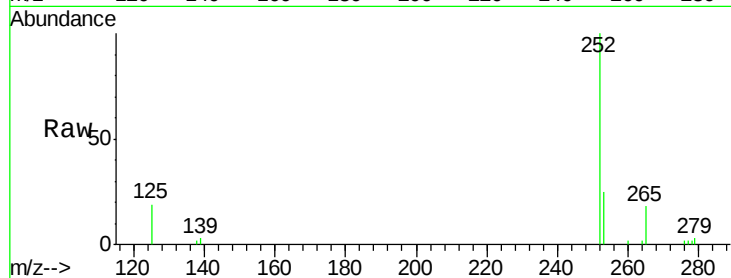
Tot Ion:252 Resp: 8315

Ion Ratio Lower Upper

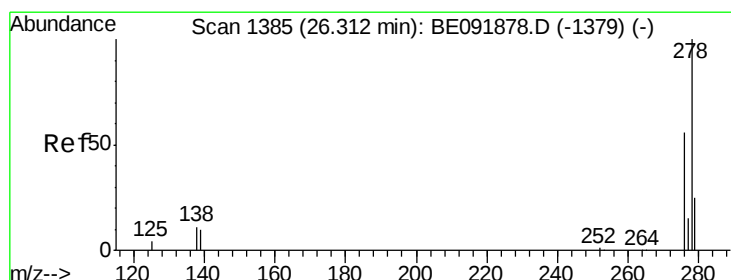
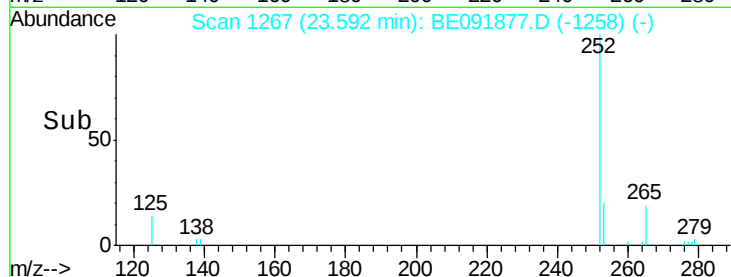
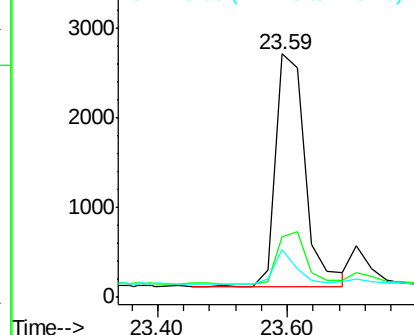
252 100

253 24.8 18.9 28.3

125 19.4 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: 0.15 ng

RT: 26.31 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE091877.D

Acq: 7 Jun 2016 10:53

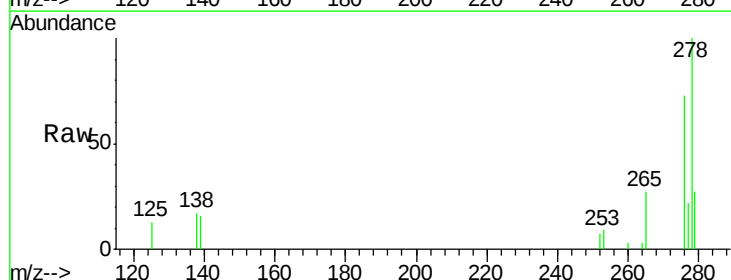
Tgt Ion:278 Resp: 7432

Ion Ratio Lower Upper

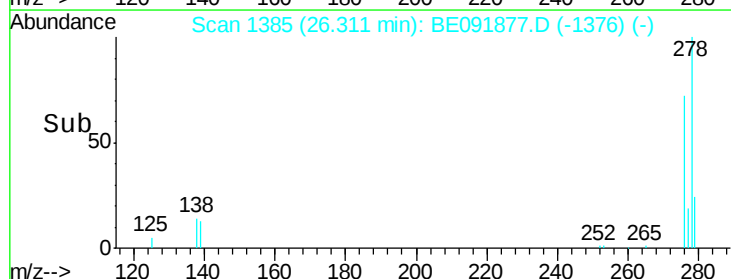
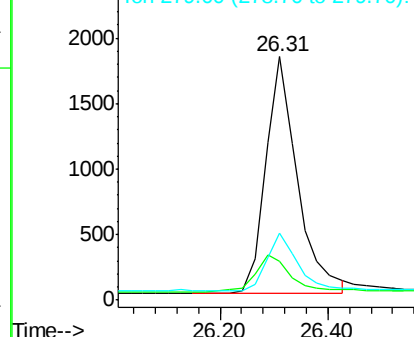
278 100

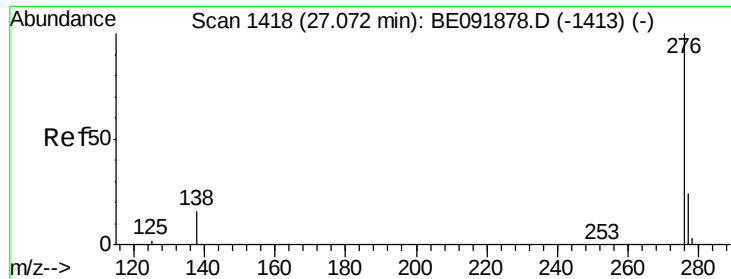
139 15.7 12.6 18.8

279 27.3 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

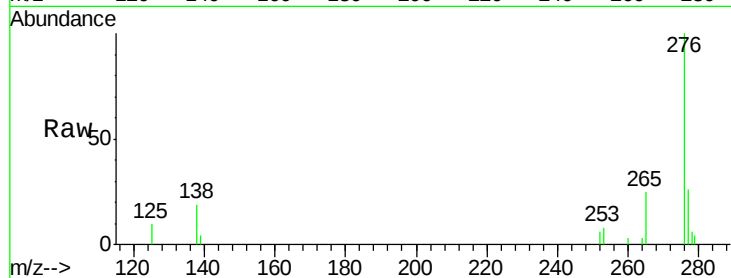




#45
 Benzo(a,h,i)perylene
 Concen: 0.16 ng
 RT: 27.07 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: BE091877.D
 Acq: 7 Jun 2016 10:53

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 276 Resp: 8249
 Ion Ratio Lower Upper
 276 100
 277 26.1 19.5 29.3
 138 18.8 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

