

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091889.D
 Acq On : 7 Jun 2016 23:28
 Operator : UM/SJ
 Sample : PB91035BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

Quant Time: Jun 08 14:30:30 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 17:14:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	25734	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	109457	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	55465	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	147465	5.00	ng	0.00
31) Chrysene-d12	21.30	240	132466	5.00	ng	0.00
40) Perylene-d12	23.73	264	165818	5.00	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	38176	6.96	ng	0.00
5) Phenol-d6	6.94	99	48805	7.18	ng	-0.02
9) Nitrobenzene-d5	8.91	82	28755	3.50	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	10805	6.84	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	59381	3.53	ng	0.00
34) Terphenyl-d14	19.74	244	74801	3.95	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	9673	2.83	ng	# 79
3) n-Nitrosodimethylamine	3.61	42	13659	3.17	ng	# 94
6) bis(2-Chloroethyl)ether	7.20	93	23680	3.22	ng	98
7) n-Nitroso-di-n-propylamine	8.54	70	16999	2.92	ng	# 93
10) Nitrobenzene	8.96	77	24997	3.34	ng	# 66
11) bis(2-Chloroethoxy)methane	9.96	93	35391	3.19	ng	# 40
12) Naphthalene	10.59	128	74646	3.16	ng	96
13) Hexachlorobutadiene	10.88	225	11676	3.32	ng	99
14) 2-Methylnaphthalene	12.20	142	49949	3.28	ng	93
18) Acenaphthylene	14.10	152	80108	3.19	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	11089	2.99	ng	98
20) Acenaphthene	14.44	154	50317	3.28	ng	96
21) 2,4-Dinitrotoluene	14.76	165	12476	2.96	ng	# 1
22) Fluorene	15.42	166	57535	3.07	ng	99
23) 4-Chlorophenyl-phenylether	15.42	204	28245	3.07	ng	98
25) 4-Bromophenyl-phenylether	16.31	248	16080	3.04	ng	96
26) Hexachlorobenzene	16.44	284	16665	3.07	ng	99
27) Pentachlorophenol	16.78	266	14966	5.70	ng	92
28) Phenanthrene	17.17	178	99192	2.90	ng	99
29) Anthracene	17.26	178	90535	2.98	ng	99
30) Fluoranthene	19.17	202	104051	2.82	ng	99
32) Benzidine	19.38	184	7091	0.75	ng	94
33) Pyrene	19.53	202	108903	3.26	ng	99
35) Benzo(a)anthracene	21.27	228	626878m	3.99	ng	
36) 3,3'-Dichlorobenzidine	21.21	252	24226	2.31	ng	# 78
37) Chrysene	21.33	228	446239m	3.30	ng	
38) Bis(2-ethylhexyl)phthalate	21.18	149	68974	2.88	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	165653	4.10	ng	# 75
41) Benzo(b)fluoranthene	22.98	252	134839	3.33	ng	98
42) Benzo(k)fluoranthene	23.03	252	140814	3.35	ng	96
43) Benzo(a)pyrene	23.61	252	128920	3.39	ng	# 95
44) Dibenzo(a,h)anthracene	26.31	278	138807	3.92	ng	# 94
45) Benzo(a,h,i)perylene	27.07	276	144481	3.89	ng	# 94

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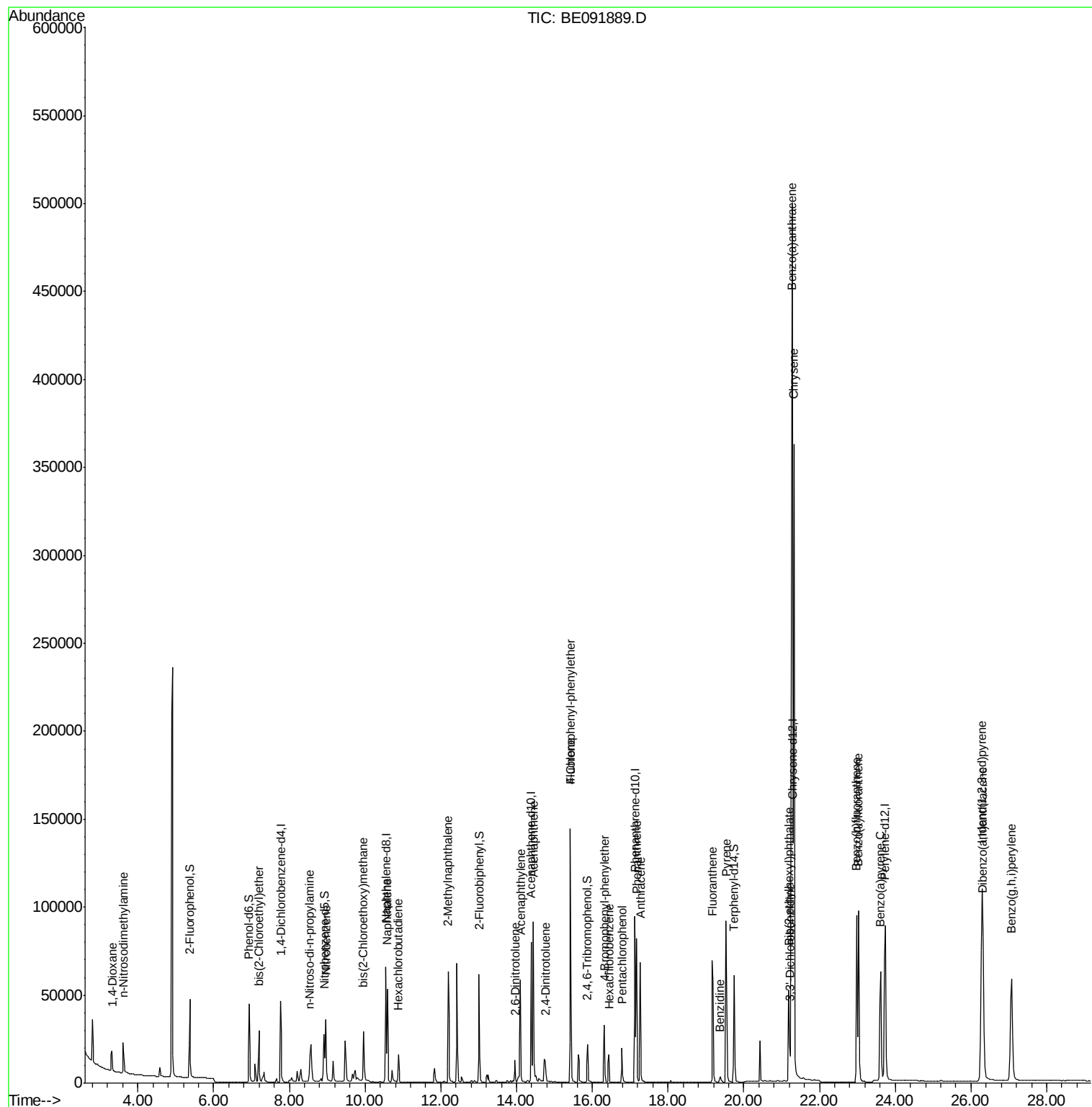
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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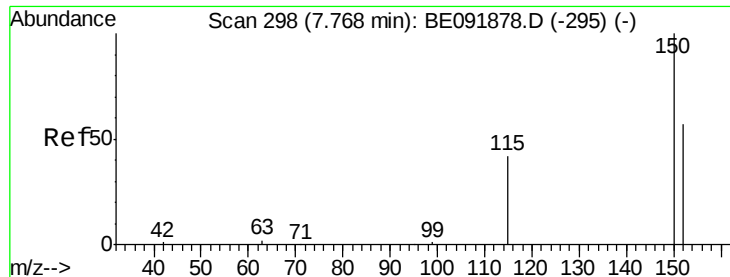
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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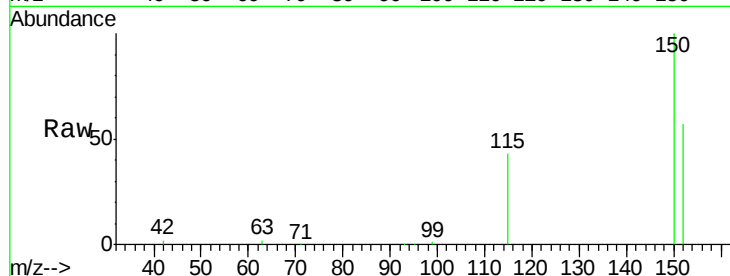


#1

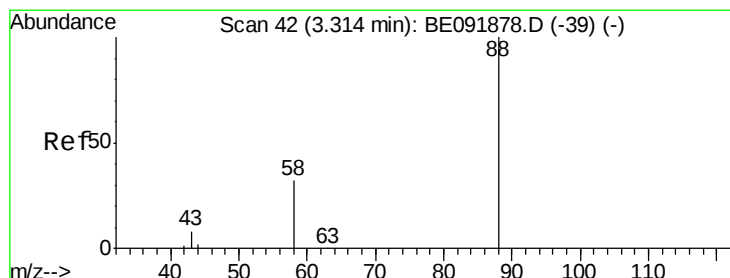
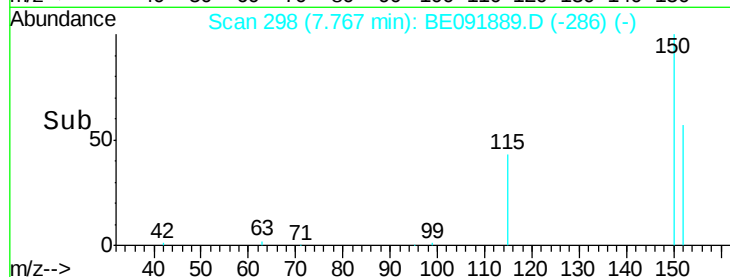
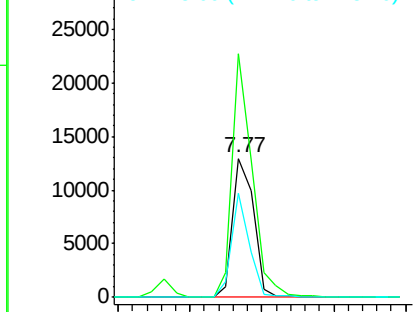
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

Tot Ion:152 Resp: 25734
Ion Ratio Lower Upper
152 100
150 174.8 123.9 185.9
115 75.1 48.3 72.5#



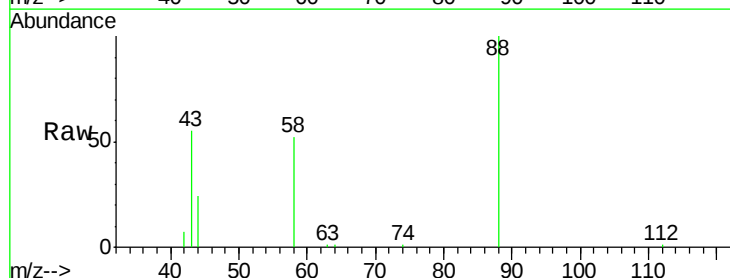
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



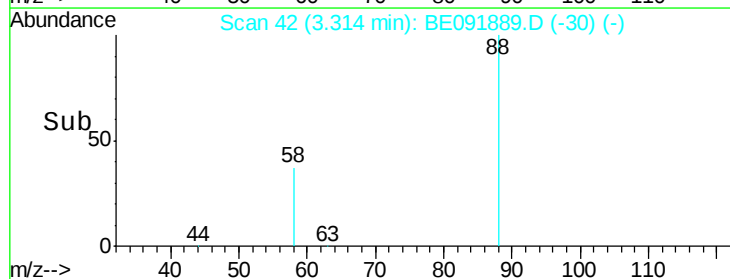
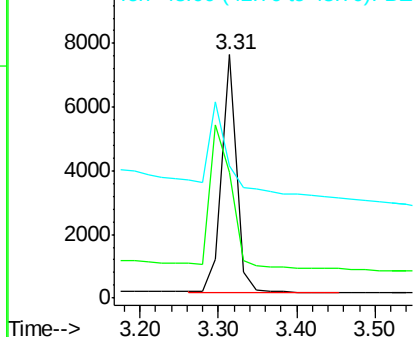
#2

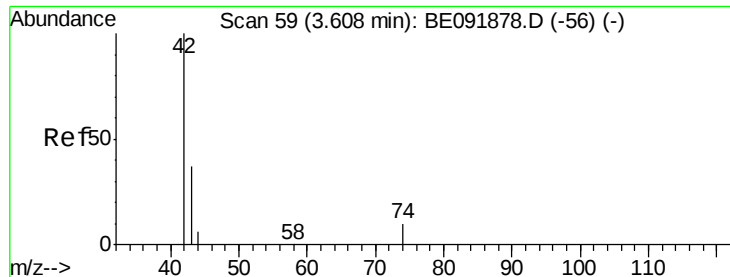
1,4-Dioxane
Concen: 2.83 ng
RT: 3.31 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion: 88 Resp: 9673
Ion Ratio Lower Upper
88 100
58 88.3 63.0 94.4
43 62.4 29.1 43.7#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.17 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

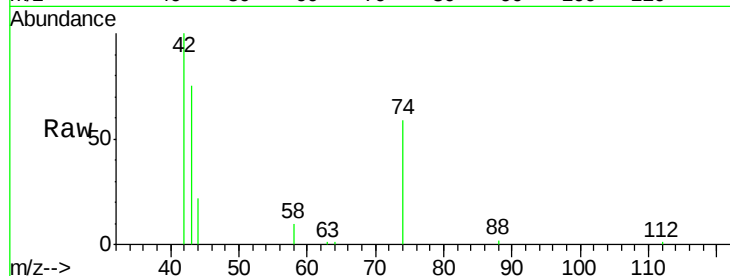
Tot Ion: 42 Resp: 13659

Ion Ratio Lower Upper

42 100

74 110.0 93.4 140.0

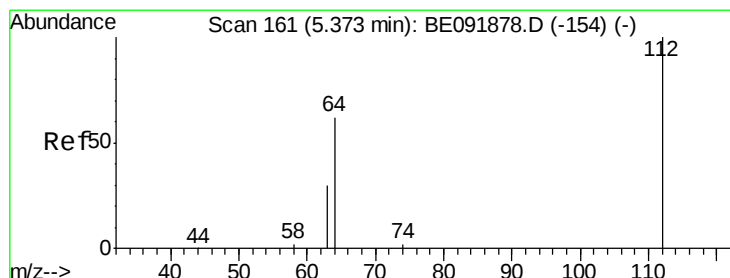
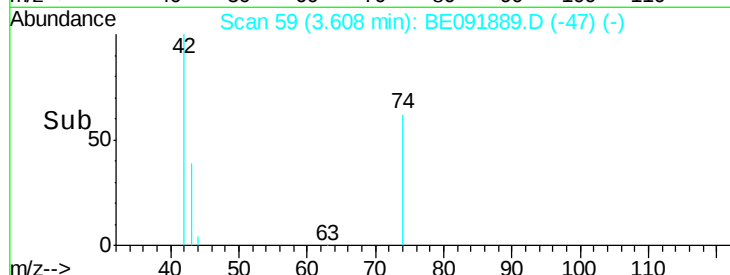
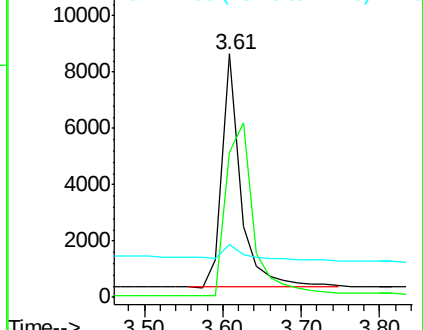
44 9.7 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE091878.D (-56) (-)

Ion 74.00 (73.70 to 74.70): BE091878.D (-56) (-)

Ion 44.00 (43.70 to 44.70): BE091878.D (-56) (-)



#4

2-Fluorophenol

Concen: 6.96 ng

RT: 5.37 min Scan# 161

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

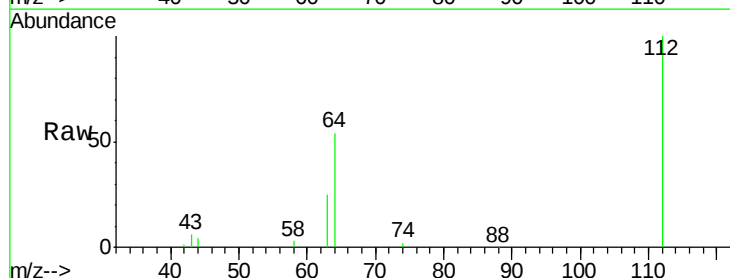
Tgt Ion: 112 Resp: 38176

Ion Ratio Lower Upper

112 100

64 65.5 53.7 80.5

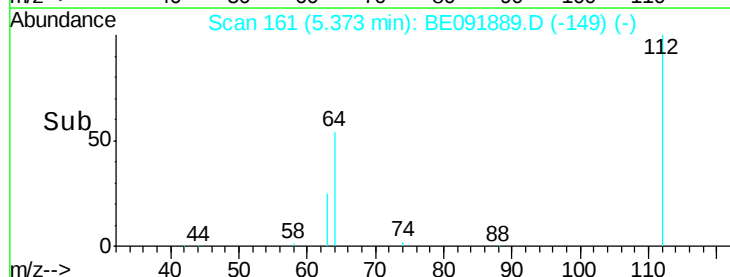
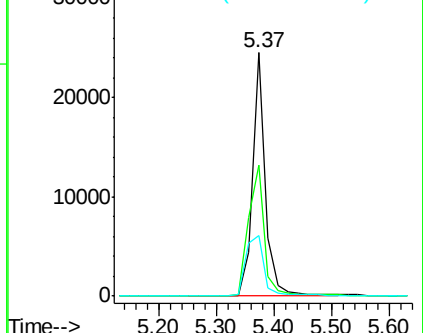
63 35.0 29.5 44.3

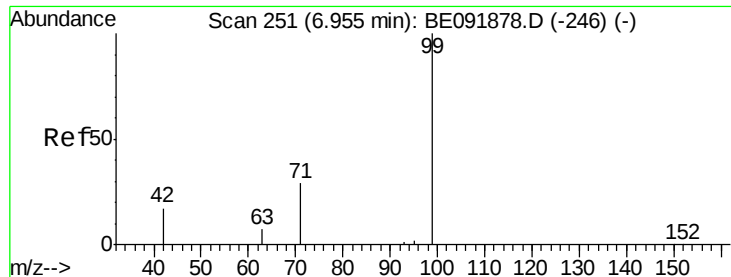


Abundance Ion 112.00 (111.70 to 112.70): BE091878.D (-154) (-)

Ion 64.00 (63.70 to 64.70): BE091878.D (-154) (-)

Ion 63.00 (62.70 to 63.70): BE091878.D (-154) (-)





#5

Phenol-d6

Concen: 7.18 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

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PB91035BSD

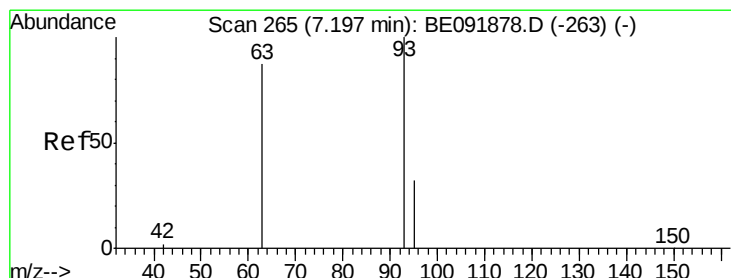
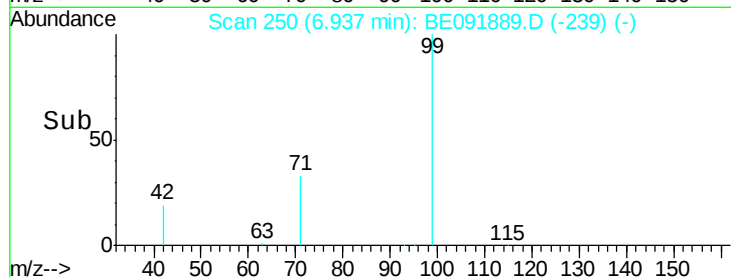
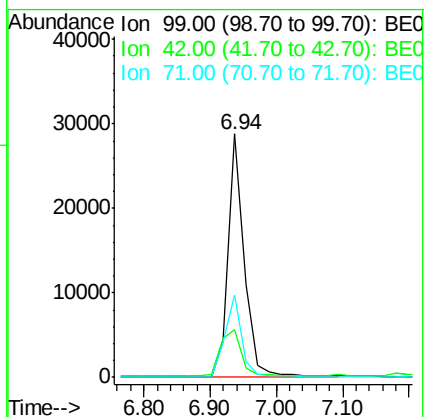
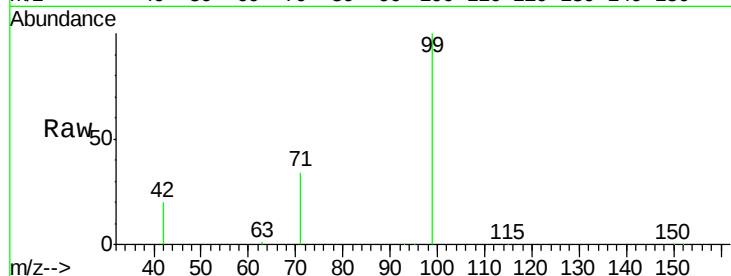
Tot Ion: 99 Resp: 48805

Ion Ratio Lower Upper

99 100

42 24.6 19.6 29.4

71 35.0 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 3.22 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

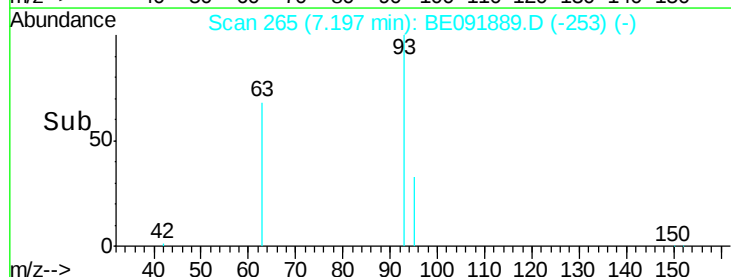
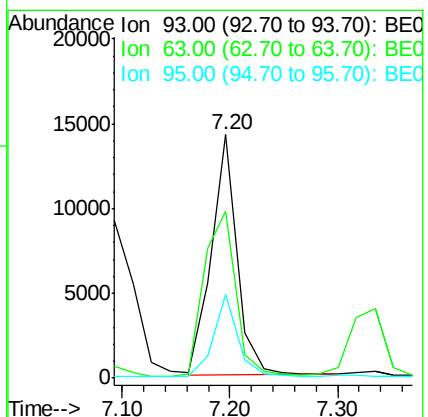
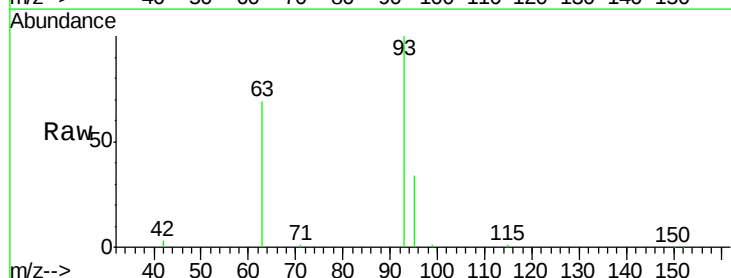
Tgt Ion: 93 Resp: 23680

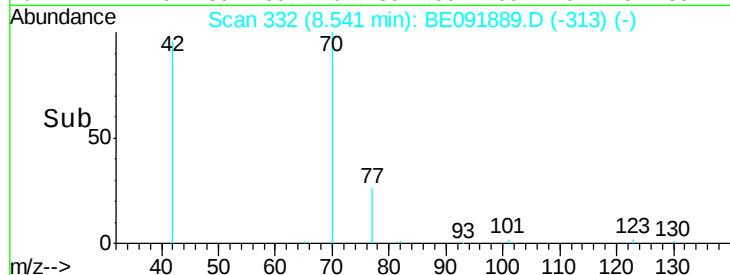
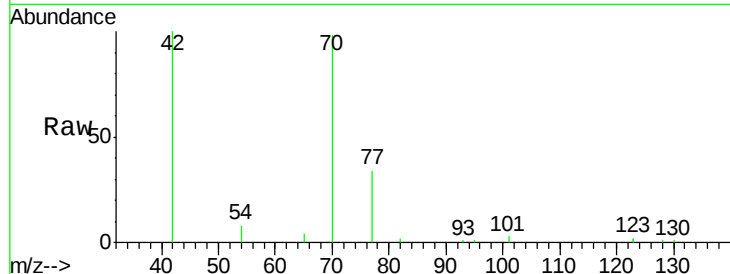
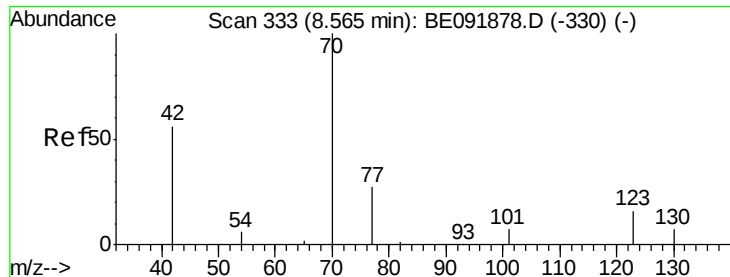
Ion Ratio Lower Upper

93 100

63 84.6 66.2 99.4

95 32.6 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 2.92 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

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Tot Ion: 70 Resp: 16999

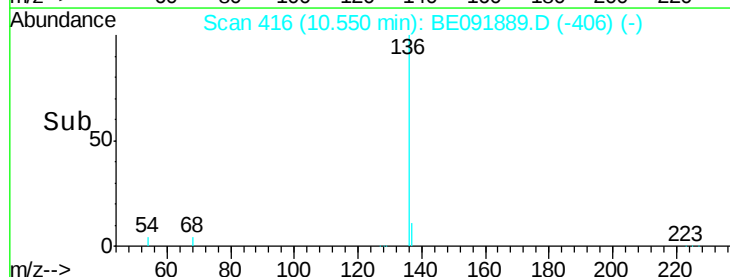
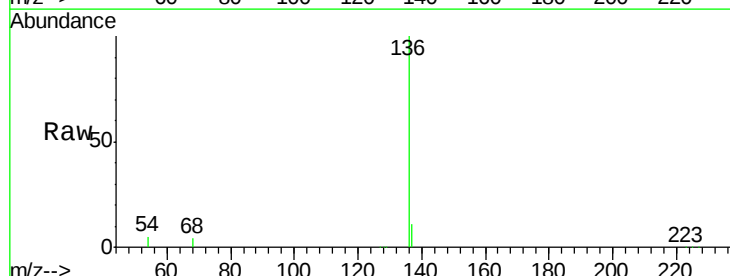
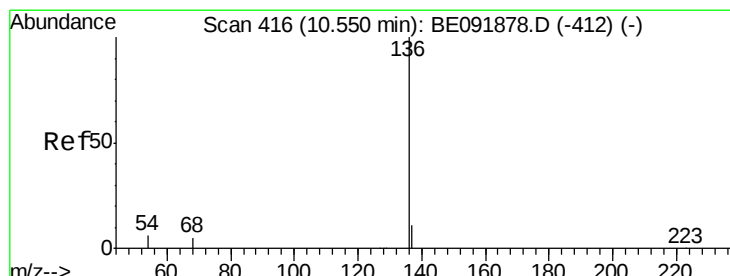
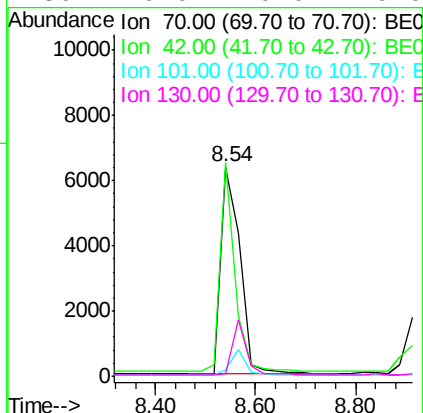
Ion Ratio Lower Upper

70 100

42 77.2 58.4 87.6

101 0.0 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: BE091889.D

Acq: 7 Jun 2016 23:28

Tgt Ion: 136 Resp: 109457

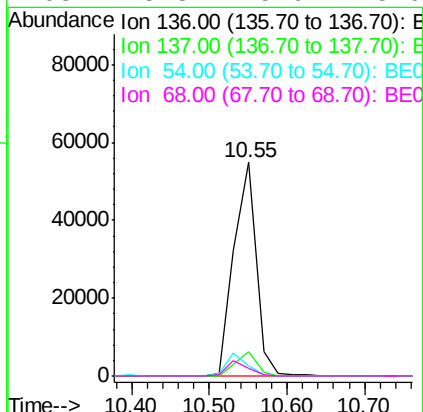
Ion Ratio Lower Upper

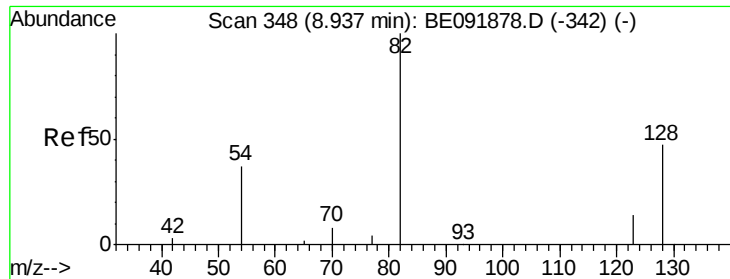
136 100

137 11.5 8.3 12.5

54 4.5 8.2 12.4#

68 3.8 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.50 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

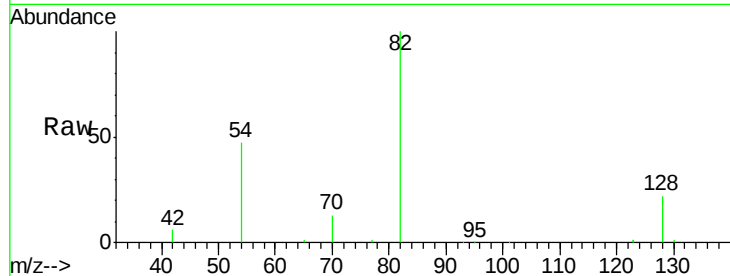
Tot Ion: 82 Resp: 28755

Ion Ratio Lower Upper

82 100

128 22.0 39.5 59.3#

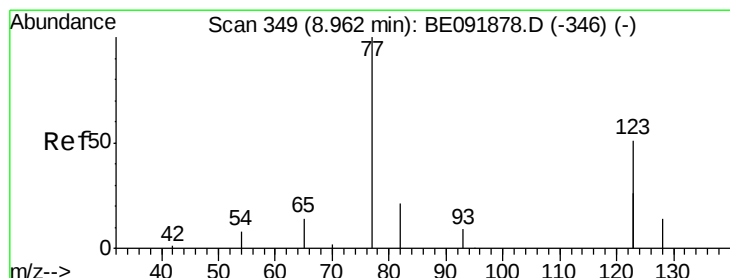
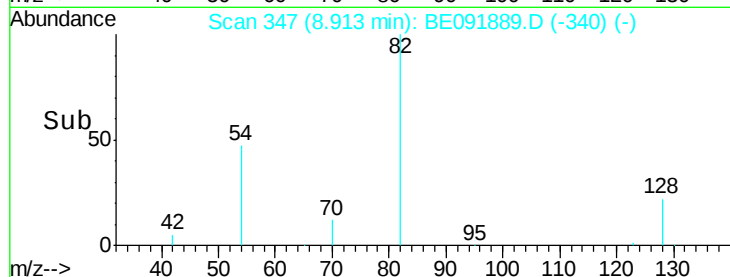
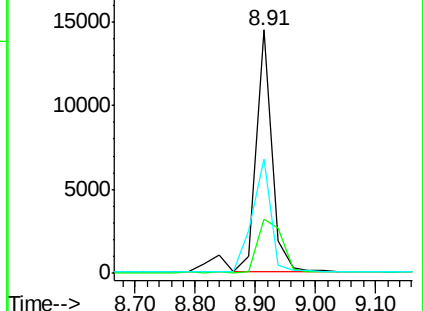
54 46.8 30.3 45.5#



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: 3.34 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

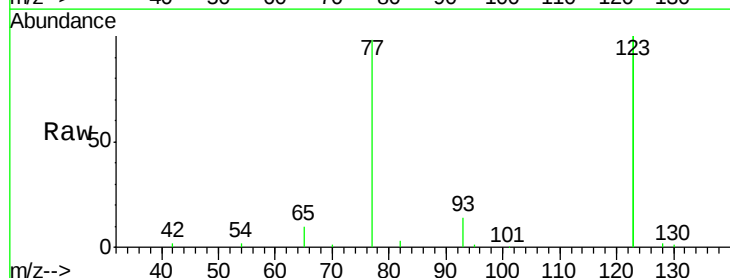
Tgt Ion: 77 Resp: 24997

Ion Ratio Lower Upper

77 100

123 163.2 0.0 0.0#

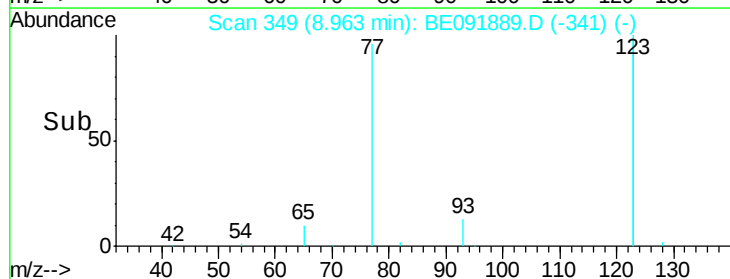
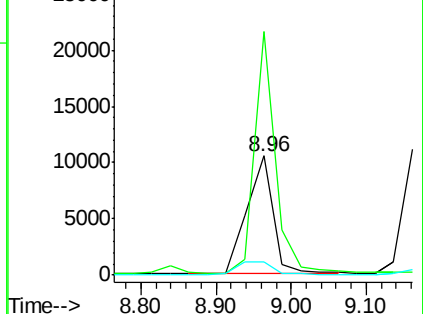
65 0.0 11.1 16.7#

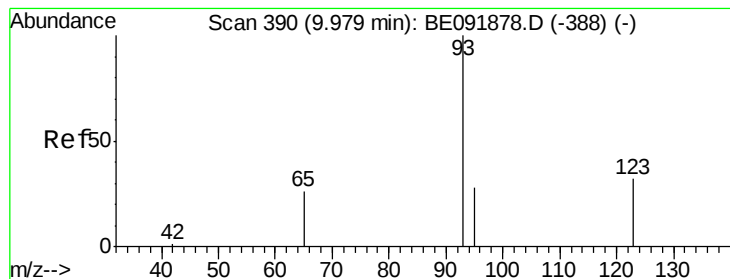


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.19 ng

RT: 9.96 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

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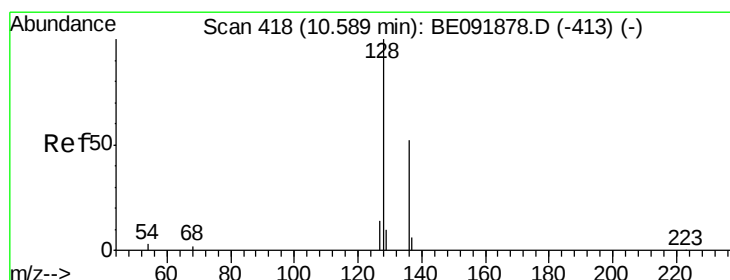
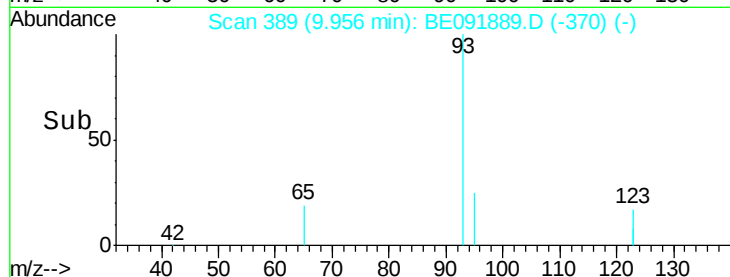
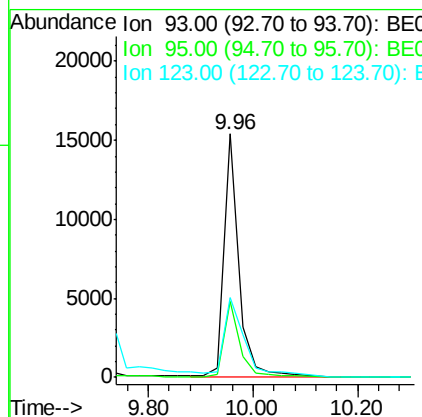
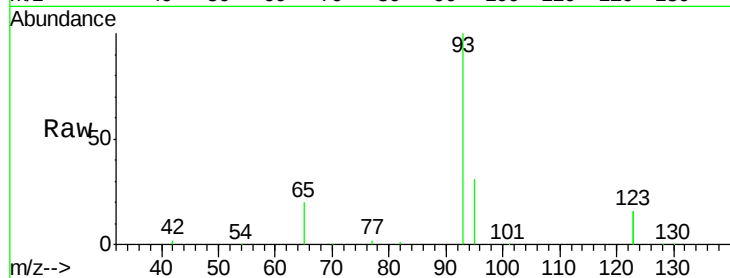
Tot Ion: 93 Resp: 35391

Ion Ratio Lower Upper

93 100

95 33.7 57.6 86.4#

123 47.2 100.2 150.4#



#12

Naphthalene

Concen: 3.16 ng

RT: 10.59 min Scan# 418

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

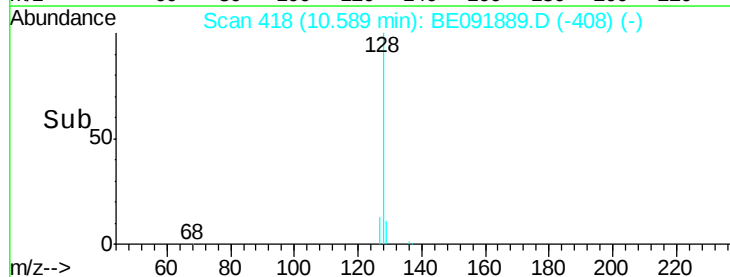
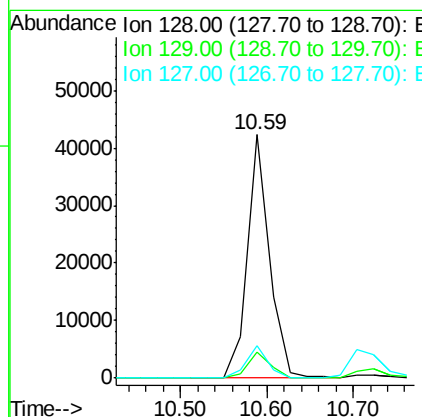
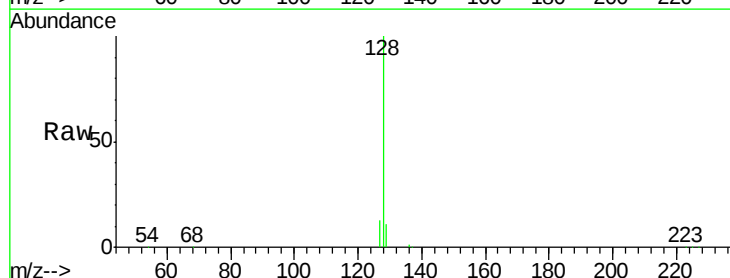
Tgt Ion: 128 Resp: 74646

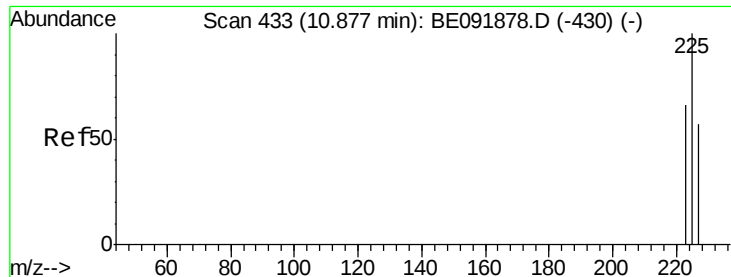
Ion Ratio Lower Upper

128 100

129 10.8 10.4 15.6

127 13.4 10.2 15.2

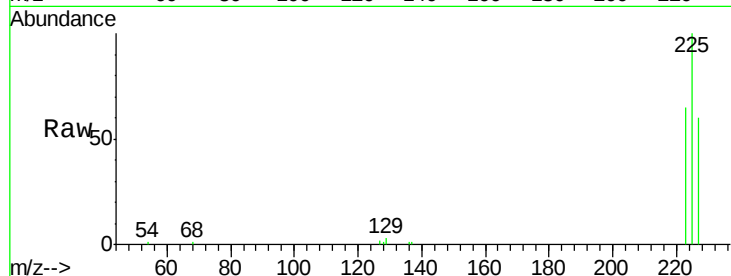




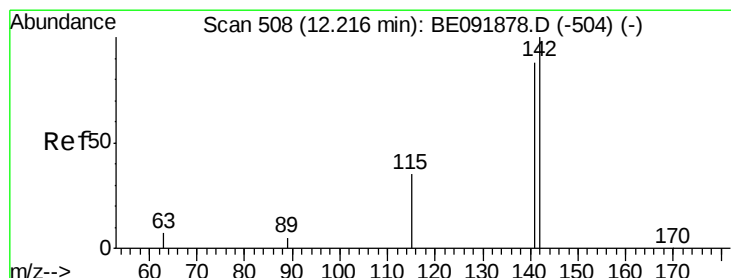
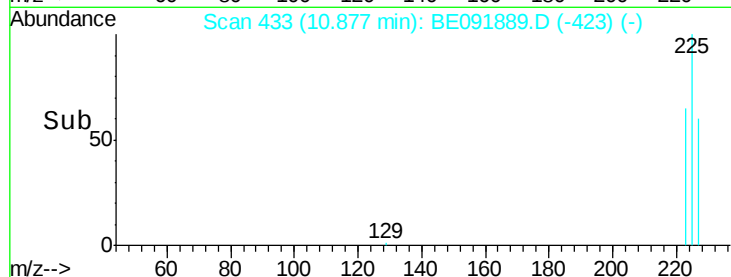
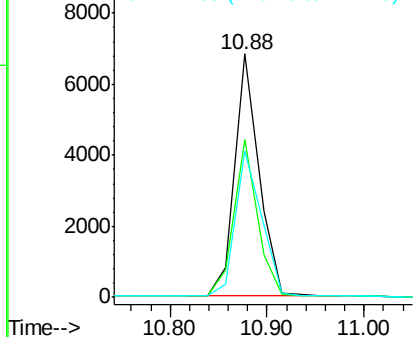
#13
Hexachlorobutadiene
Concen: 3.32 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

Tot Ion:225 Resp: 11676
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.8
227 64.0 50.6 75.8

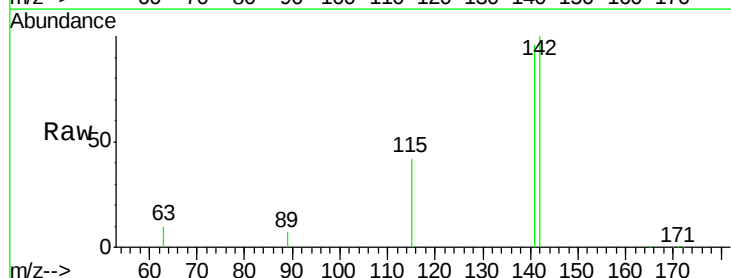


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

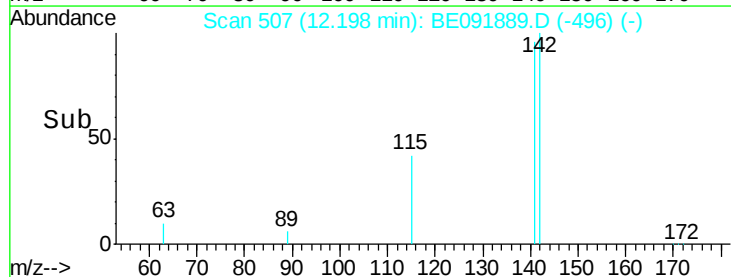
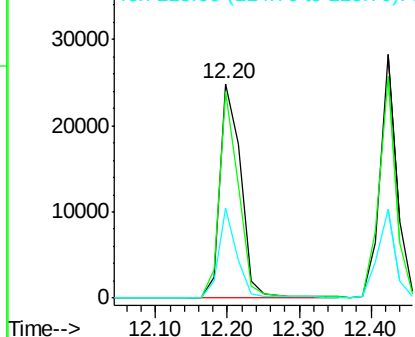


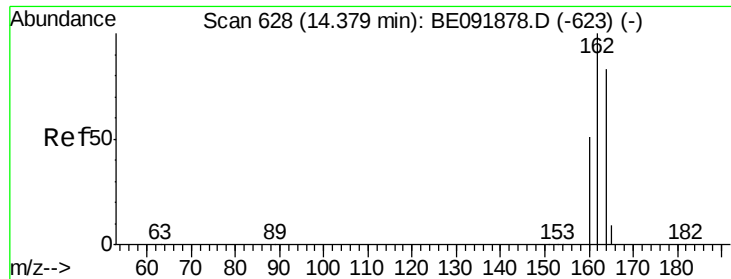
#14
2-Methylnaphthalene
Concen: 3.28 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion:142 Resp: 49949
Ion Ratio Lower Upper
142 100
141 96.4 71.9 107.9
115 42.0 29.9 44.9



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





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

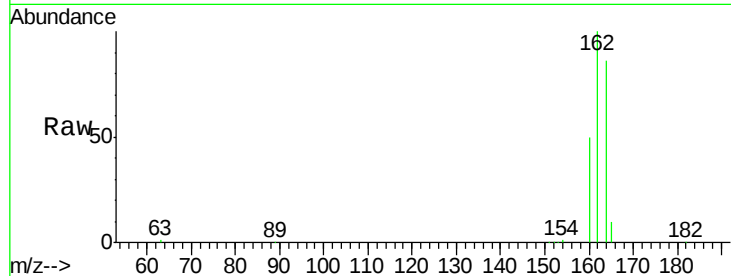
Tot Ion:164 Resp: 55465

Ion Ratio Lower Upper

164 100

162 115.9 71.8 107.8#

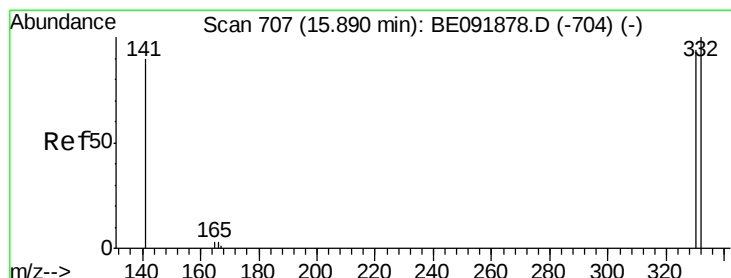
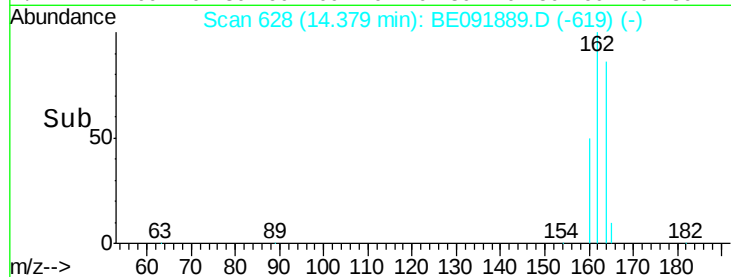
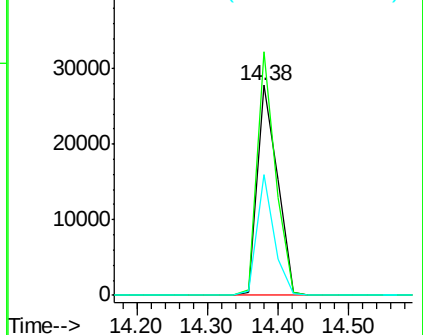
160 57.7 28.0 42.0#



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: 6.84 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

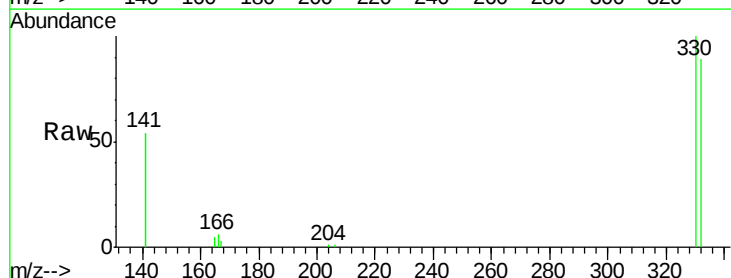
Tgt Ion:330 Resp: 10805

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

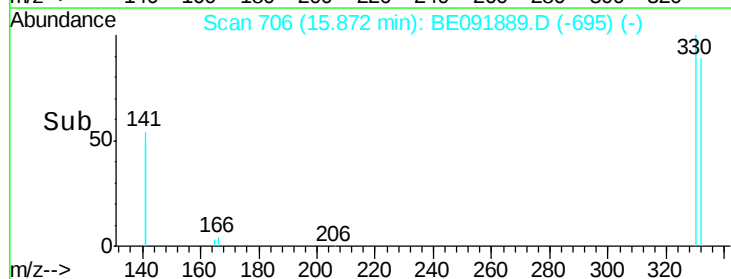
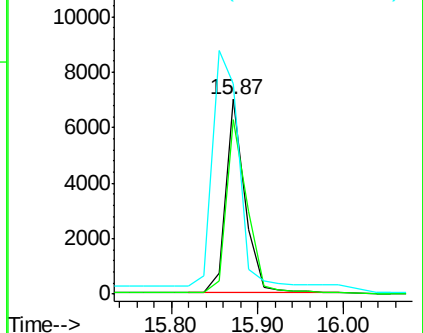
141 165.6 138.4 207.6

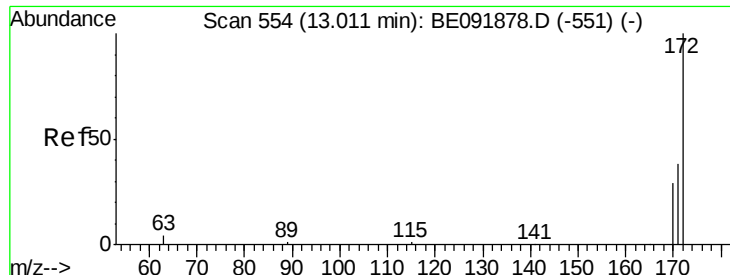


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

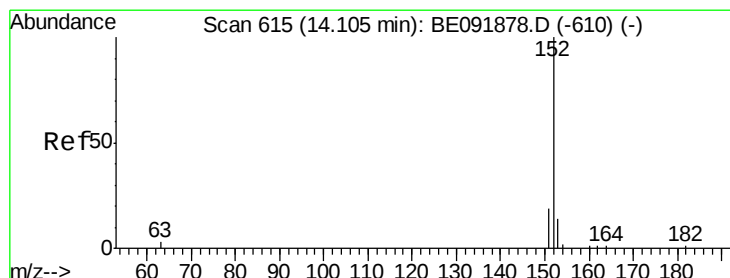
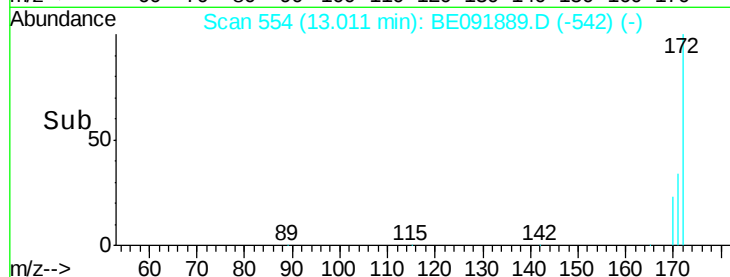
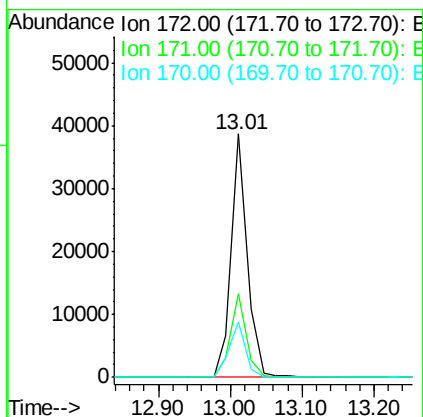
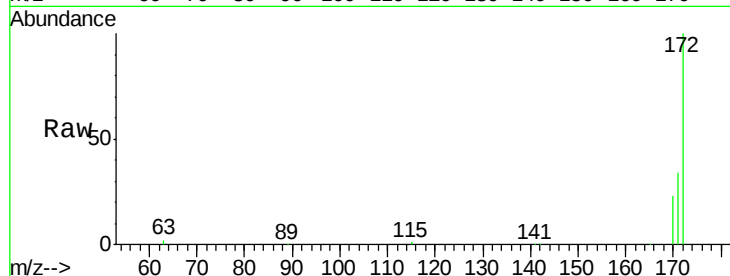




#17
2-Fluorobiphenyl
Concen: 3.53 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

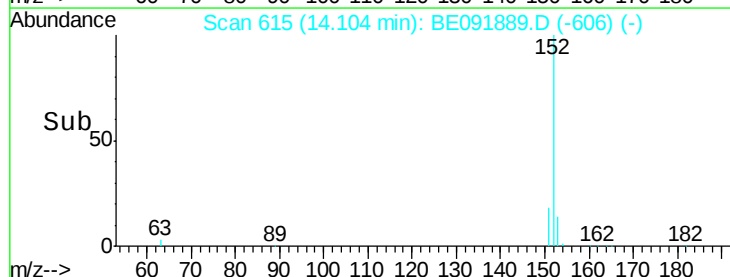
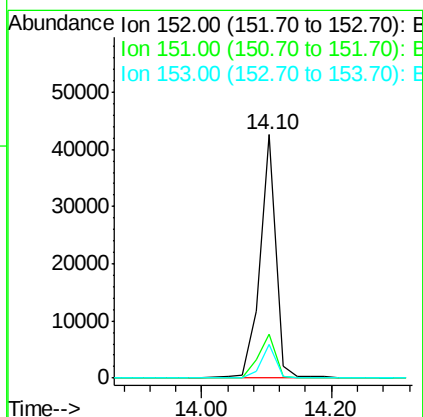
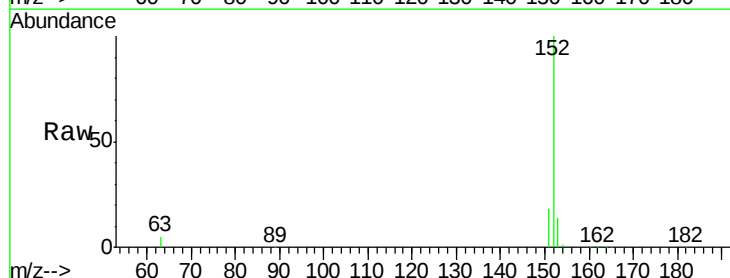
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

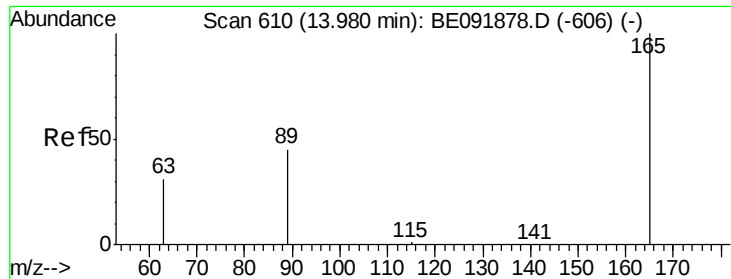
Tot Ion:172 Resp: 59381
Ion Ratio Lower Upper
172 100
171 34.3 24.3 36.5
170 22.8 14.9 22.3#



#18
Acenaphthylene
Concen: 3.19 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion:152 Resp: 80108
Ion Ratio Lower Upper
152 100
151 20.0 19.4 29.2
153 13.6 14.4 21.6#

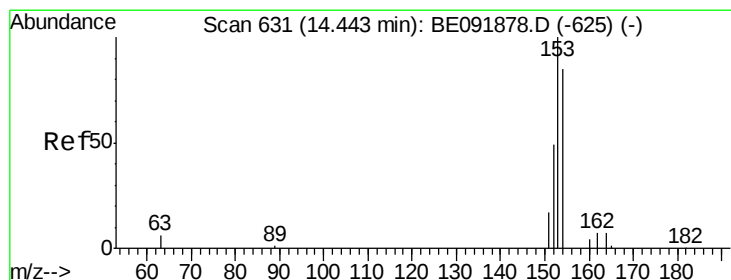
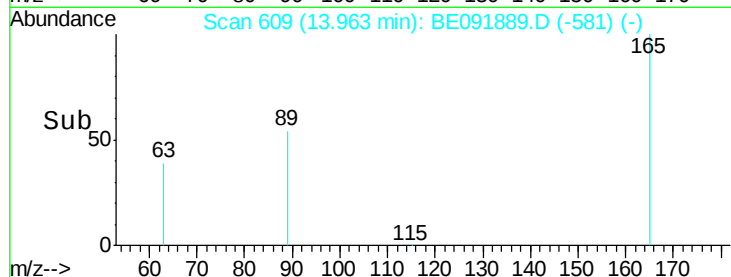
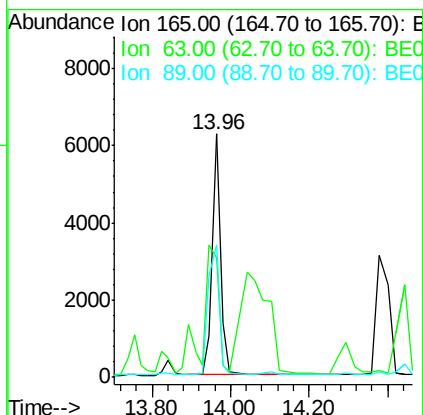
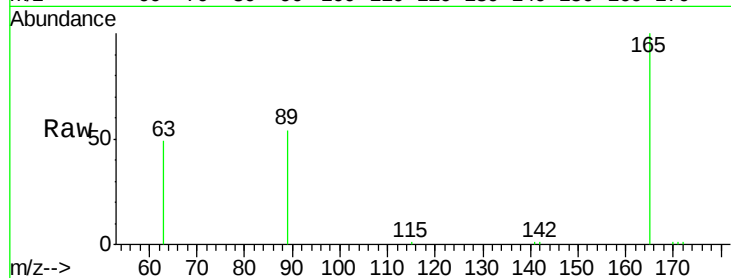




#19
2,6-Dinitrotoluene
Concen: 2.99 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

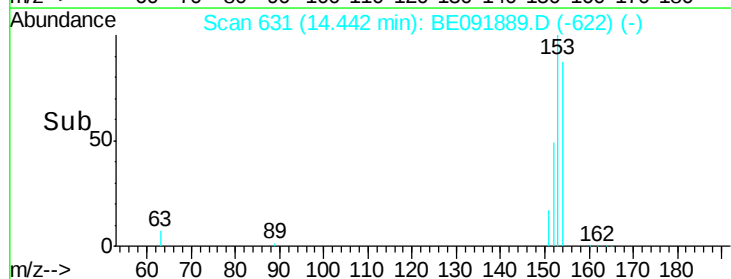
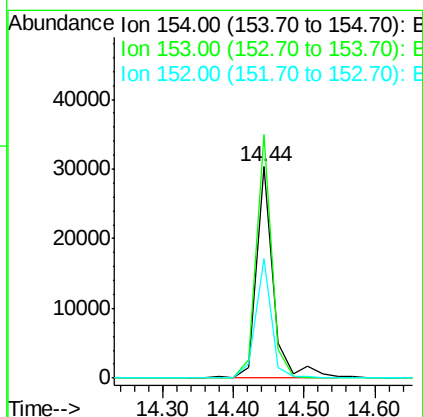
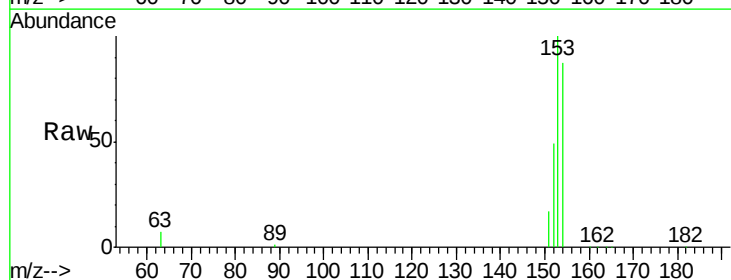
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

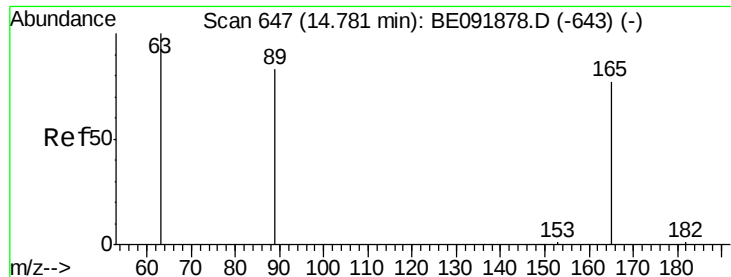
Tot Ion:165 Resp: 11089
Ion Ratio Lower Upper
165 100
63 81.6 65.9 98.9
89 70.7 59.1 88.7



#20
Acenaphthene
Concen: 3.28 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion:154 Resp: 50317
Ion Ratio Lower Upper
154 100
153 105.5 88.1 132.1
152 52.0 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 2.96 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

Tot Ion:165 Resp: 12476

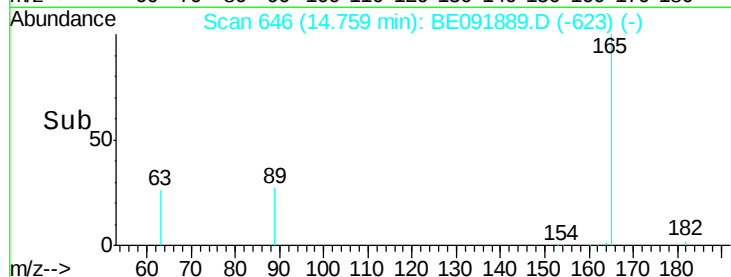
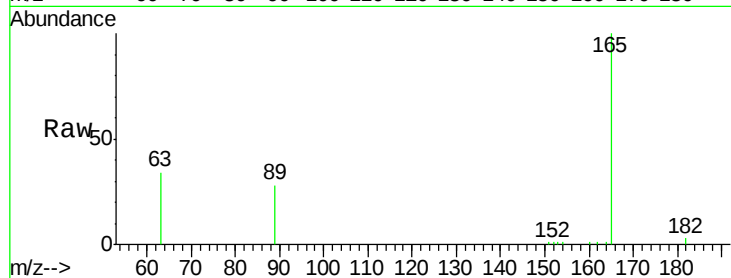
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.1 0.0 0.0#

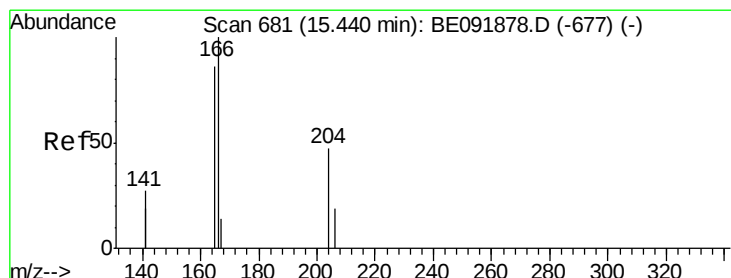
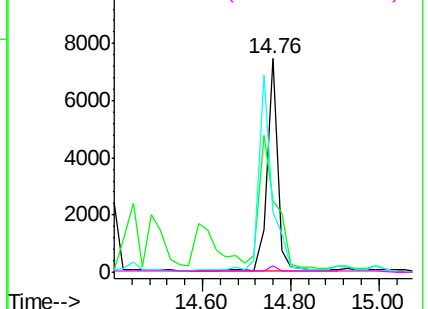


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 3.07 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

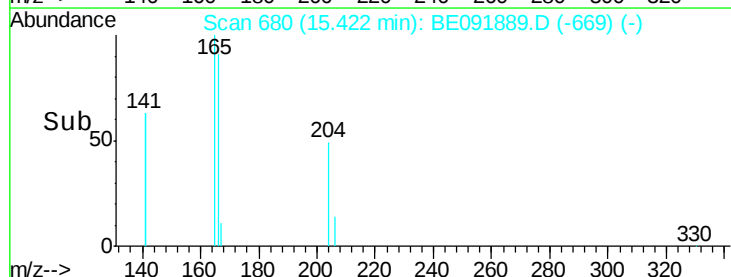
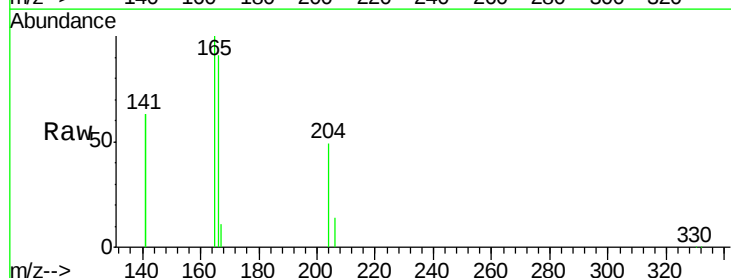
Tgt Ion:166 Resp: 57535

Ion Ratio Lower Upper

166 100

165 99.3 78.6 117.8

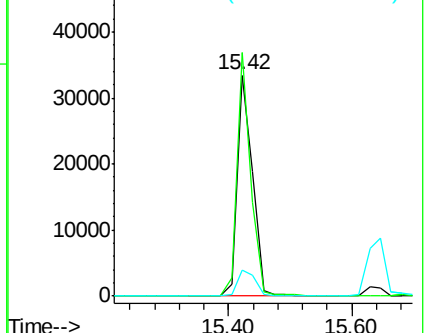
167 13.4 10.8 16.2

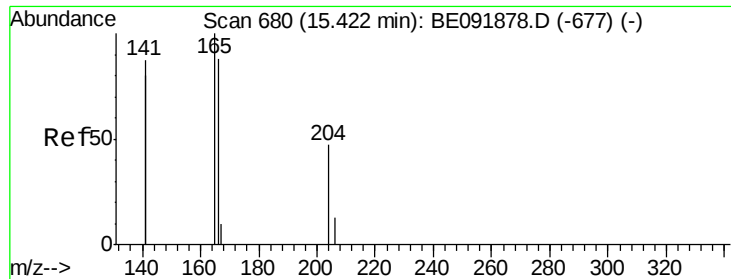


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

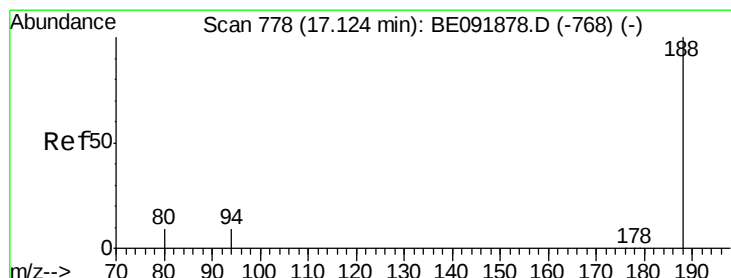
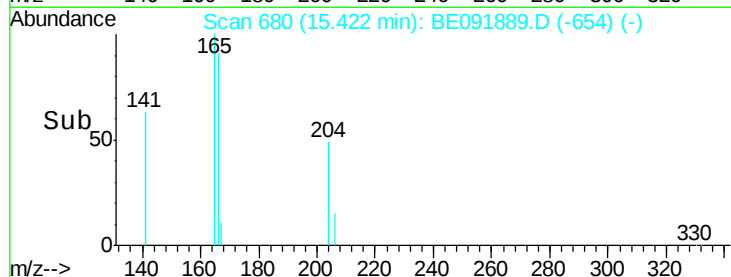
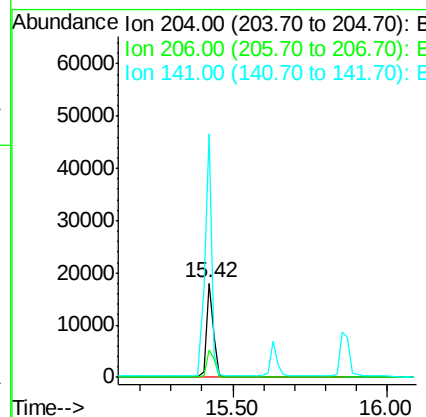
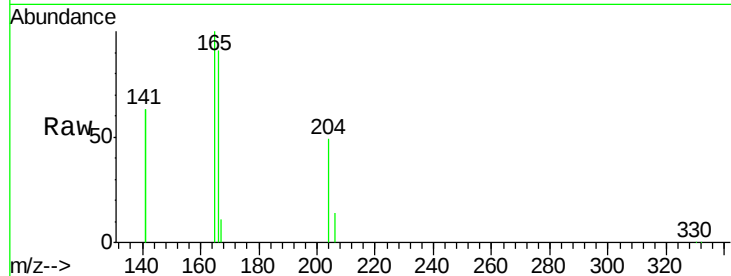




#23
4-Chlorophenyl-phenylether
Concen: 3.07 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

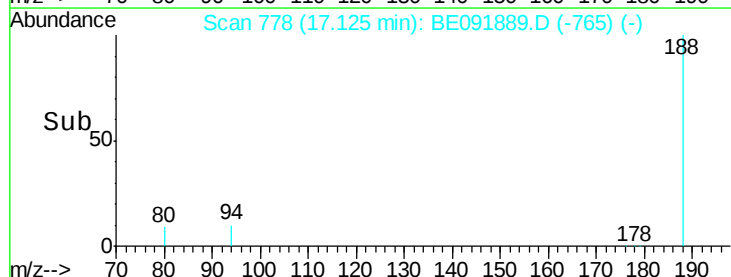
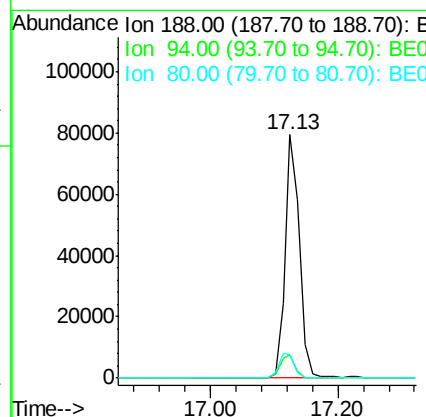
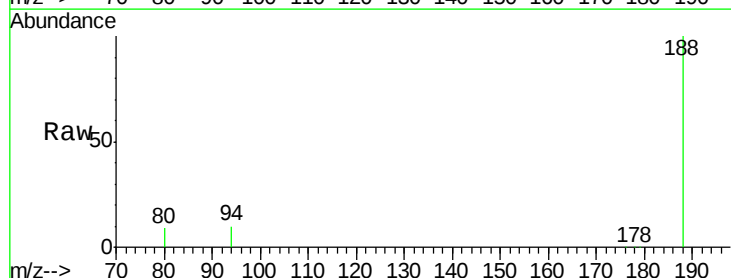
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

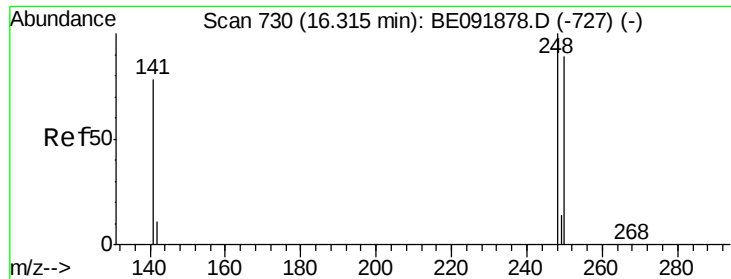
Tot Ion:204 Resp: 28245
Ion Ratio Lower Upper
204 100
206 33.4 27.8 41.6
141 250.8 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion:188 Resp: 147465
Ion Ratio Lower Upper
188 100
94 9.7 4.1 6.1#
80 9.4 3.4 5.2#

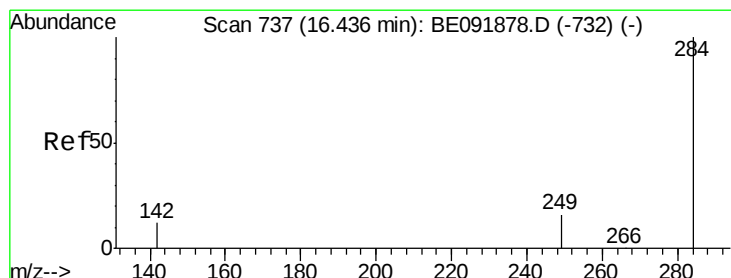
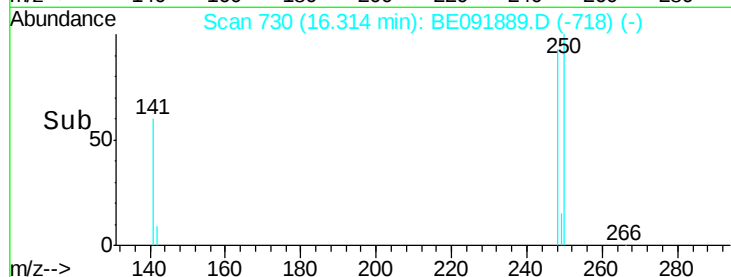
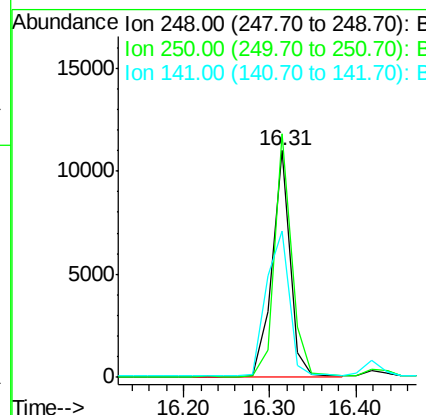
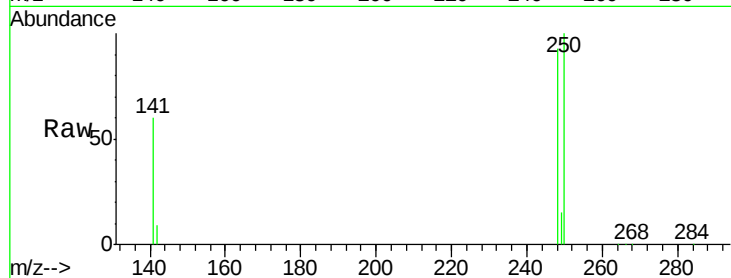




#25
4-Bromophenyl-phenylether
Concen: 3.04 ng
RT: 16.31 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

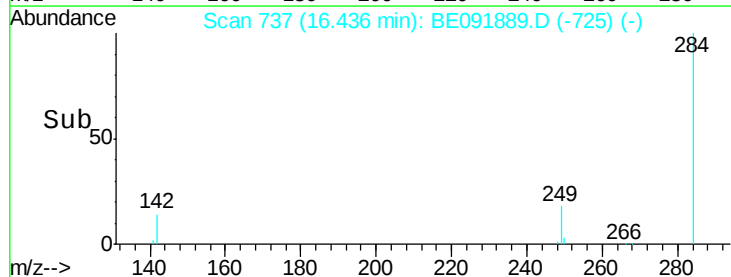
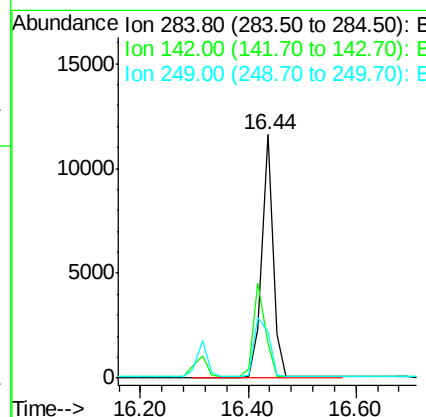
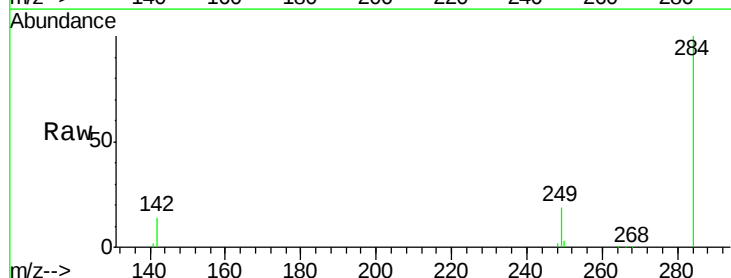
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

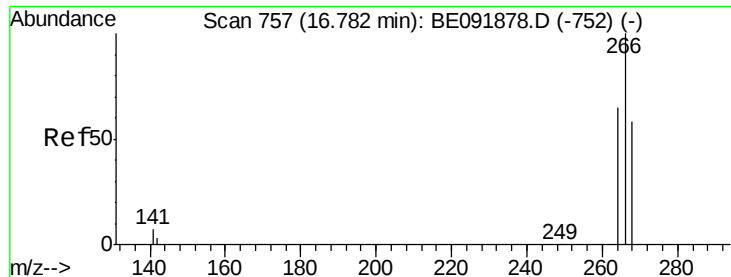
Tot Ion:248 Resp: 16080
Ion Ratio Lower Upper
248 100
250 101.5 75.7 113.5
141 81.3 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.07 ng
RT: 16.44 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion:284 Resp: 16665
Ion Ratio Lower Upper
284 100
142 40.3 31.4 47.2
249 32.1 25.3 37.9





#27

Pentachlorophenol

Concen: 5.70 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

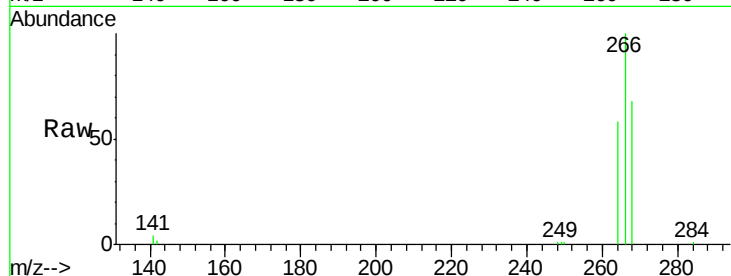
Tot Ion:266 Resp: 14966

Ion Ratio Lower Upper

266 100

268 68.2 60.5 90.7

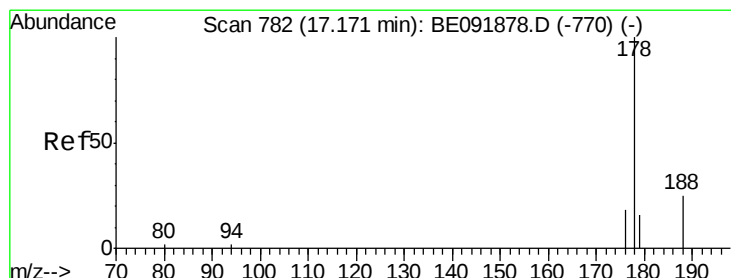
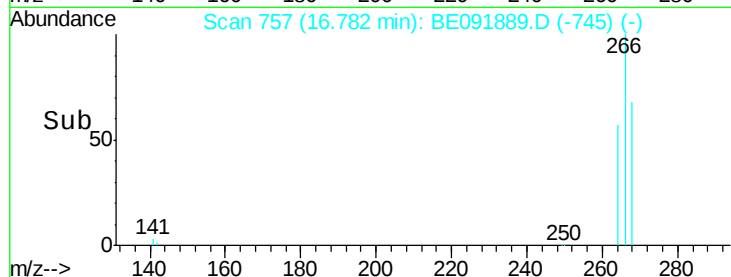
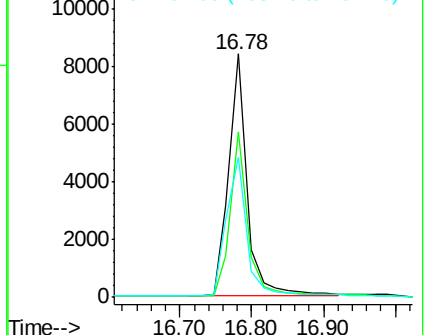
264 57.6 51.0 76.4



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: 2.90 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

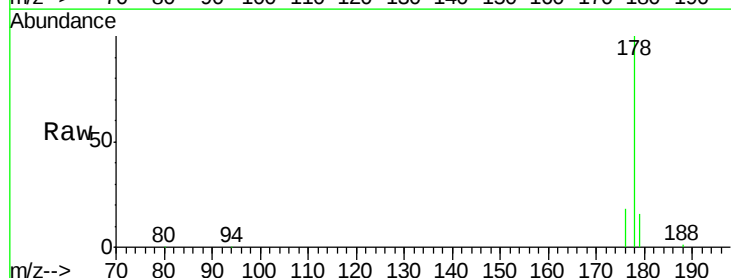
Tgt Ion:178 Resp: 99192

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

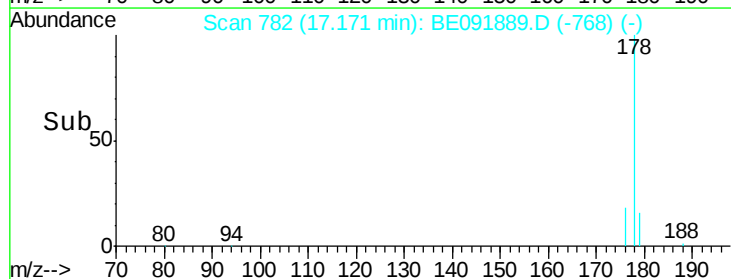
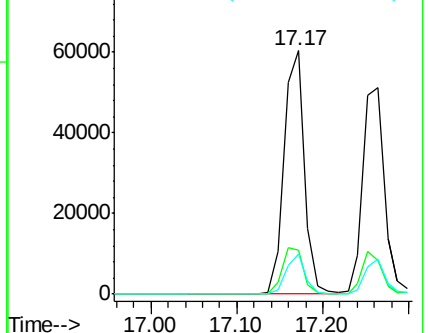
179 15.3 12.9 19.3

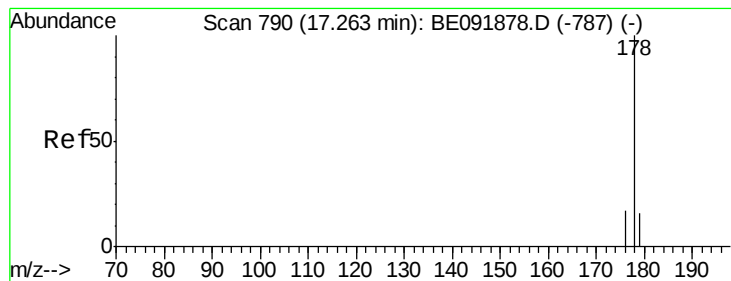


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 2.98 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

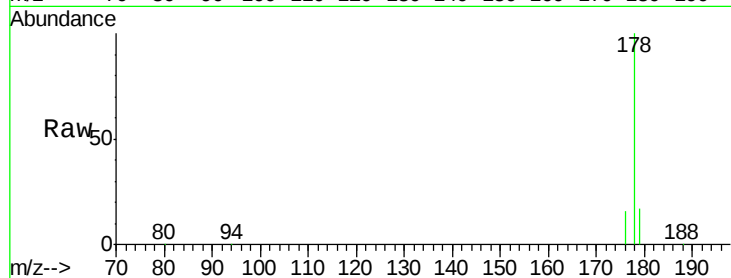
Tot Ion:178 Resp: 90535

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

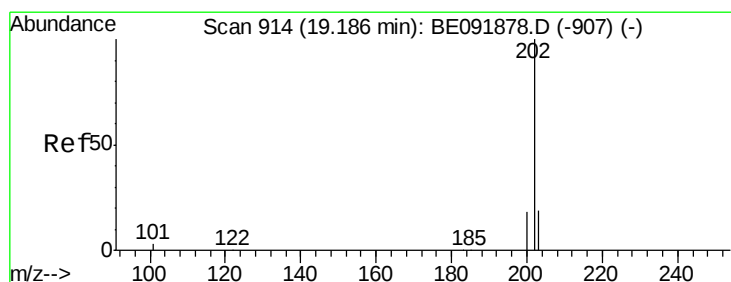
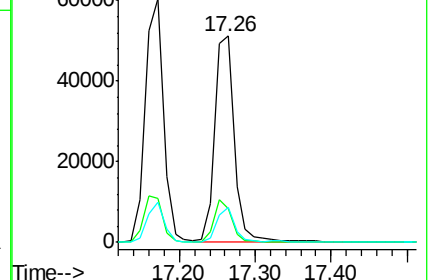
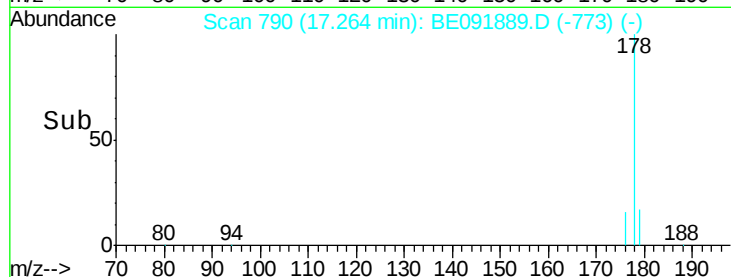
179 15.6 12.1 18.1



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: 2.82 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

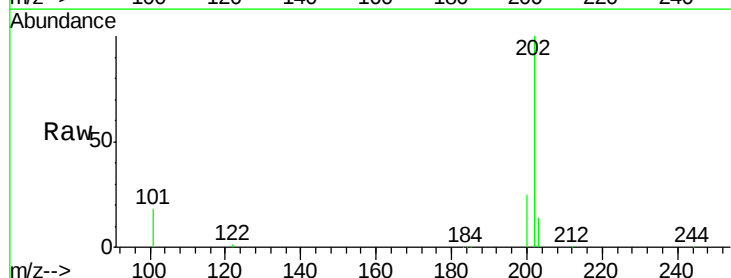
Tgt Ion:202 Resp: 104051

Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.0

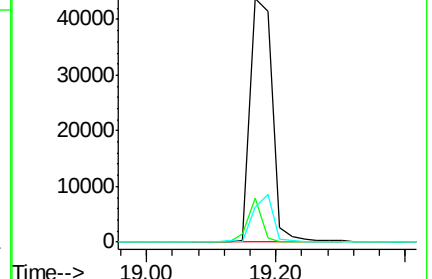
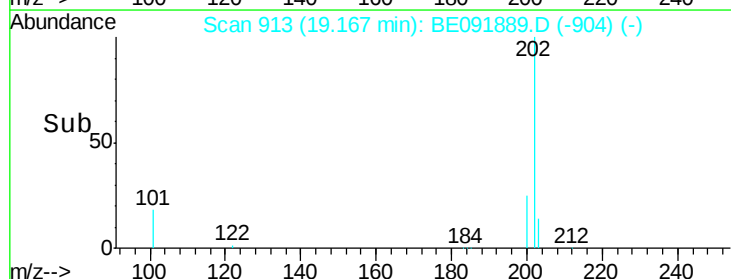
203 17.6 14.3 21.5

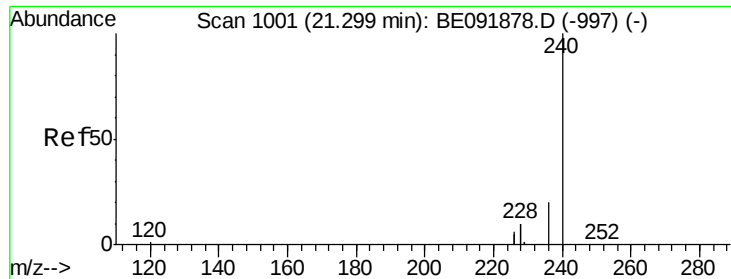


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

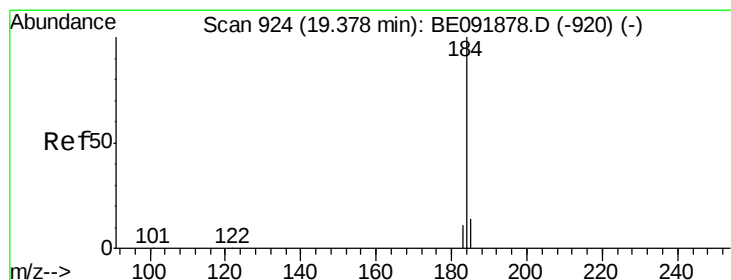
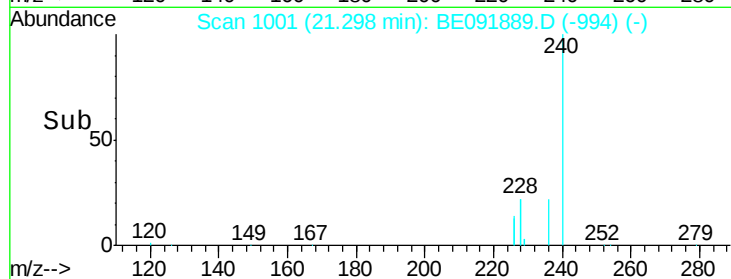
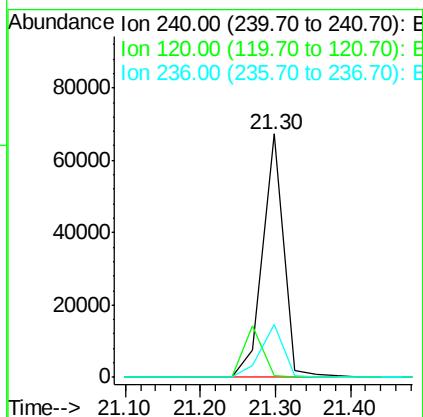
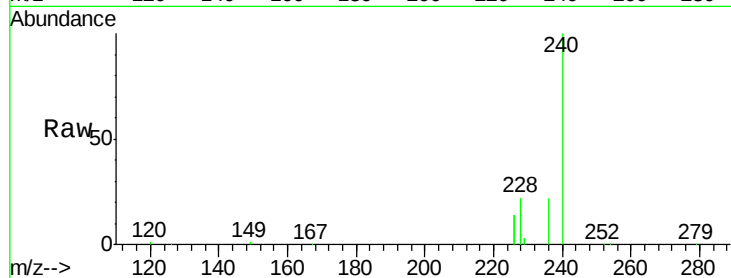




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.30 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

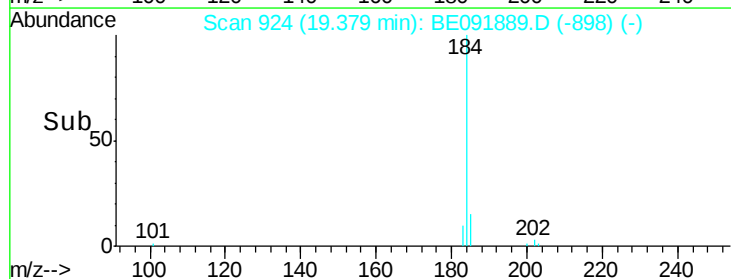
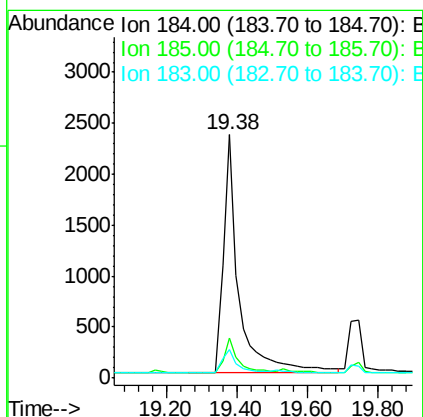
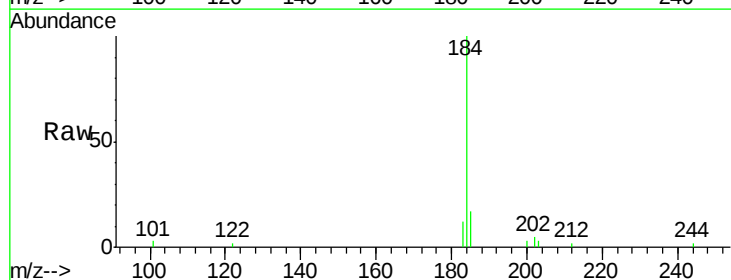
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

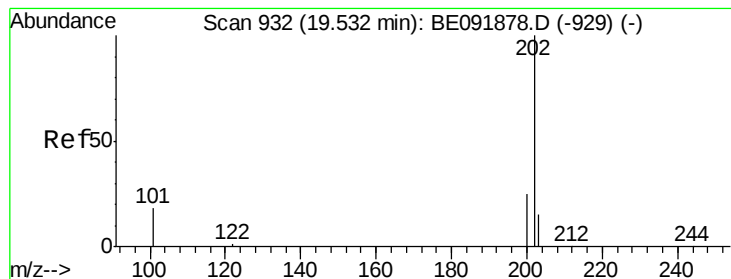
Tot Ion:240 Resp: 132466
Ion Ratio Lower Upper
240 100
120 0.6 1.2 1.8#
236 21.6 19.8 29.8



#32
Benzidine
Concen: 0.75 ng
RT: 19.38 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE091889.D
Acq: 7 Jun 2016 23:28

Tgt Ion:184 Resp: 7091
Ion Ratio Lower Upper
184 100
185 16.7 11.4 17.2
183 11.9 11.8 17.6





#33

Pvrene

Concen: 3.26 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

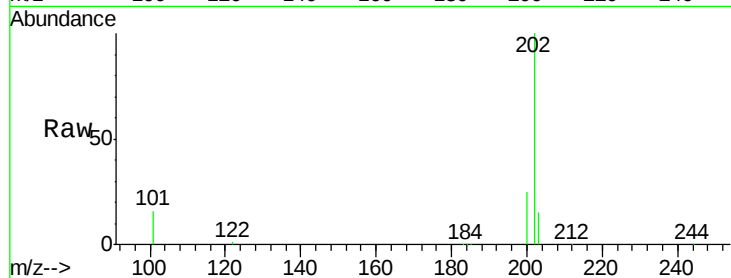
Tot Ion:202 Resp: 108903

Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

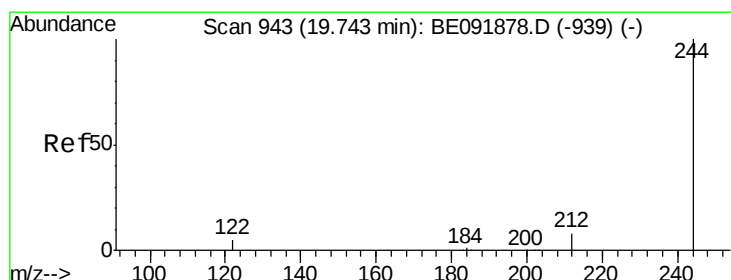
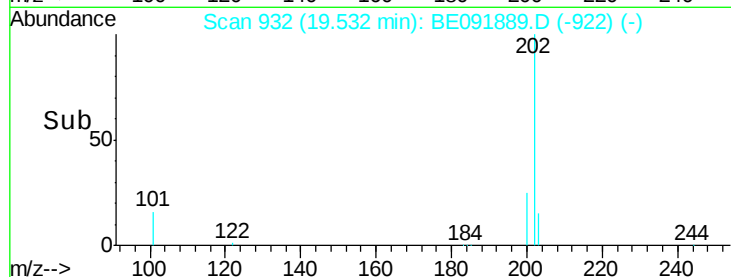
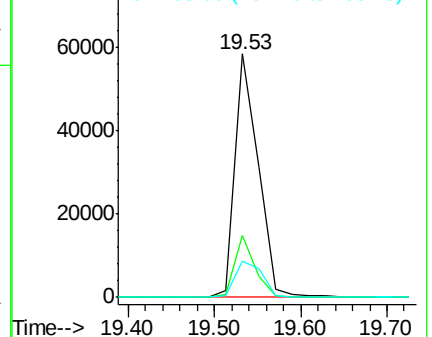
203 17.6 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 3.95 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

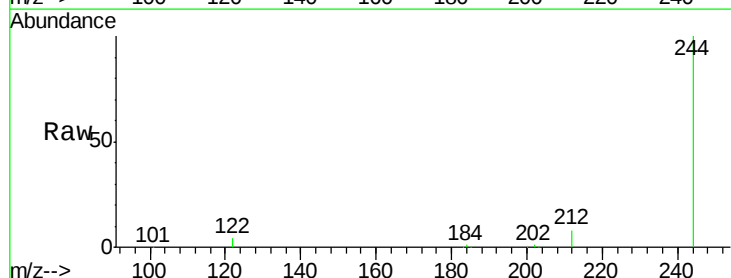
Tgt Ion:244 Resp: 74801

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

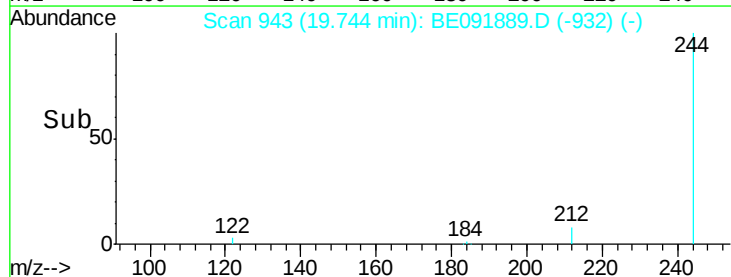
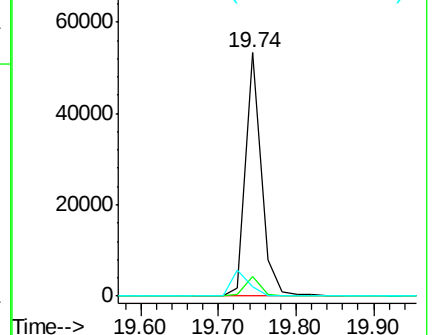
122 4.0 2.9 4.3

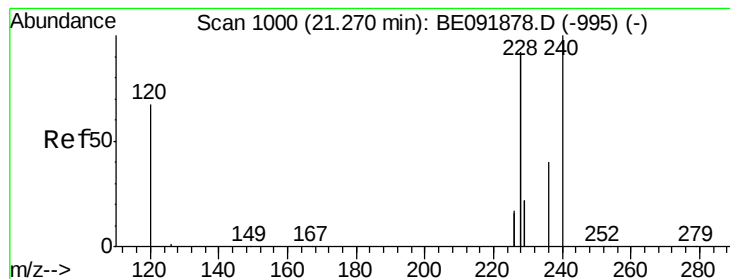


Abundance Ion 244.00 (243.70 to 244.70): E

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/mL

RT: 21.27 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

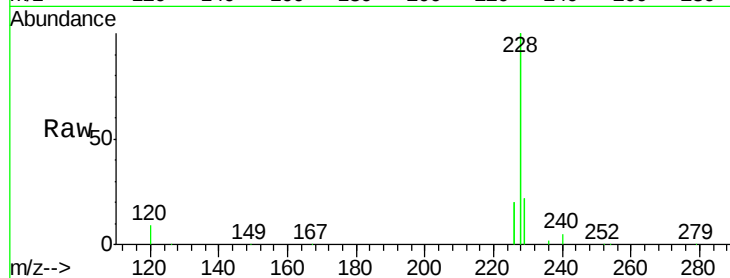
Tot Ion:228 Resp: 626878

Ion Ratio Lower Upper

228 100

226 20.3 21.0 31.4#

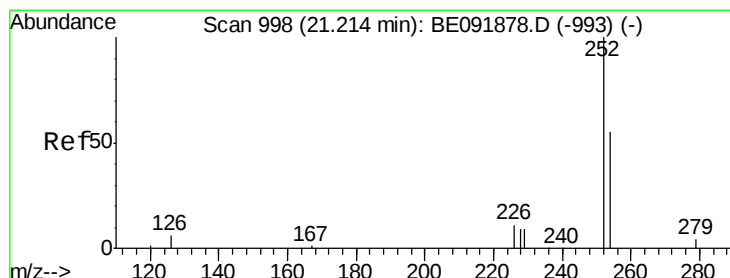
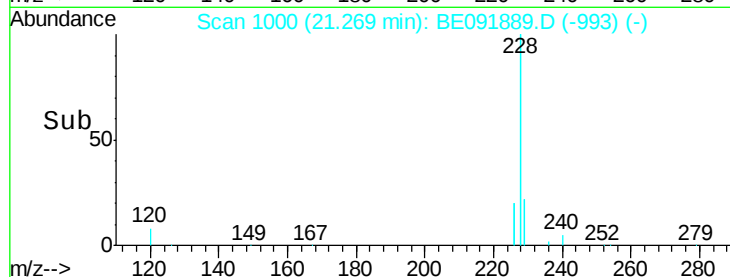
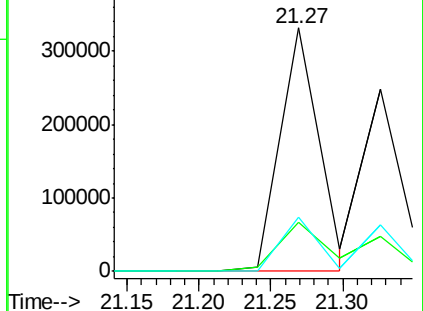
229 22.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 2.31 ng/mL

RT: 21.21 min Scan# 998

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

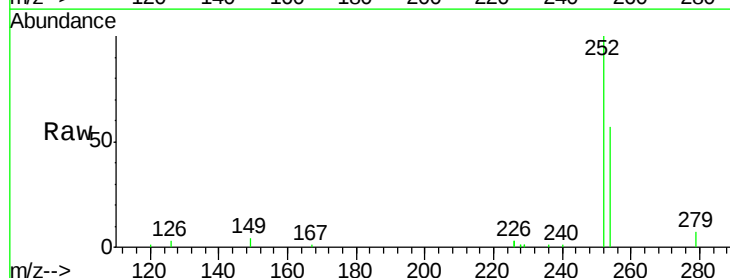
Tgt Ion:252 Resp: 24226

Ion Ratio Lower Upper

252 100

254 56.8 61.5 92.3#

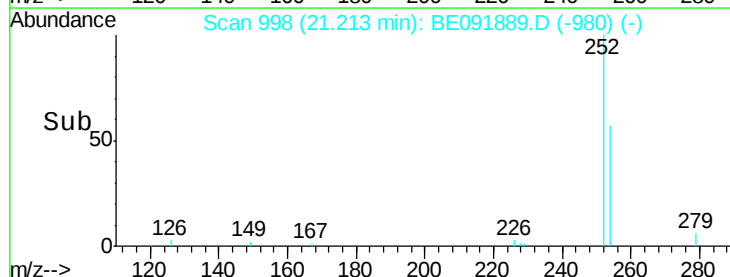
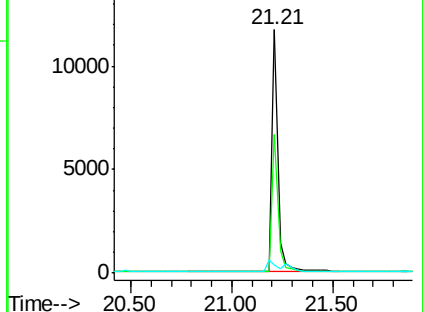
126 3.3 2.5 3.7

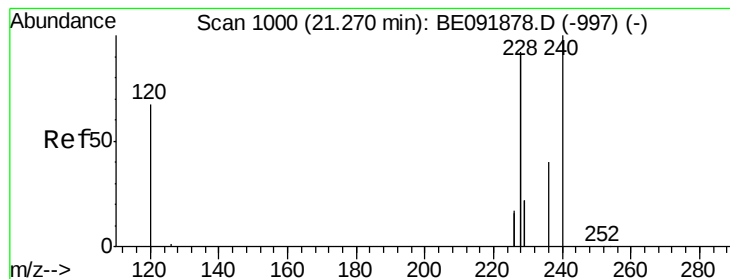


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 3.30 ng/mL

RT: 21.33 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleID :

PB91035BSD

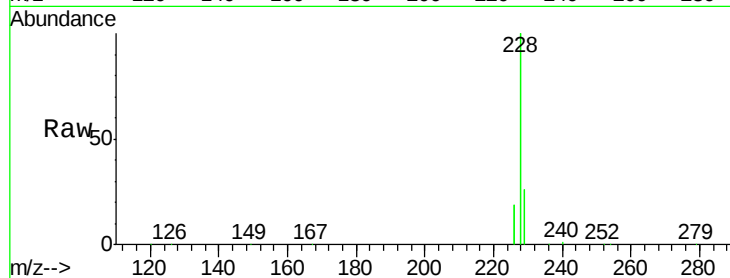
Tot Ion: 228 Resp: 446239

Ion Ratio Lower Upper

228 100

226 19.1 27.0 40.6#

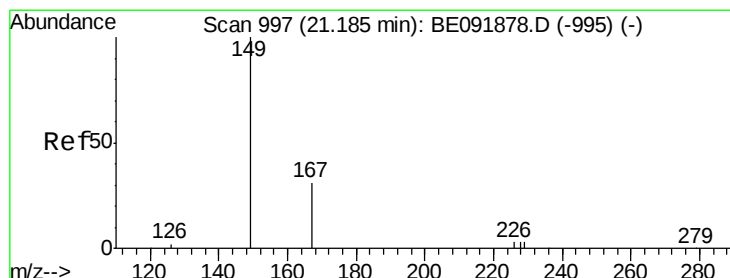
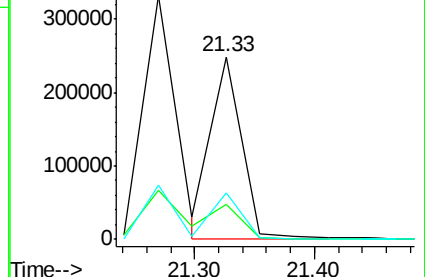
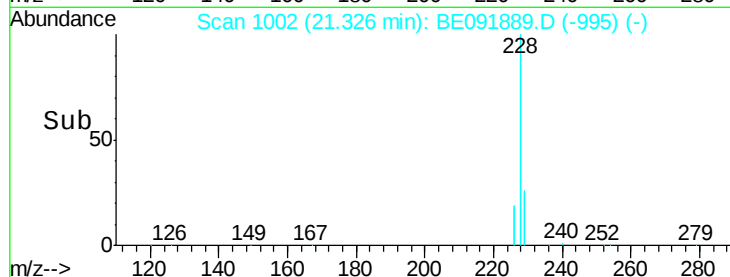
229 25.5 13.8 20.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 2.88 ng/mL

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

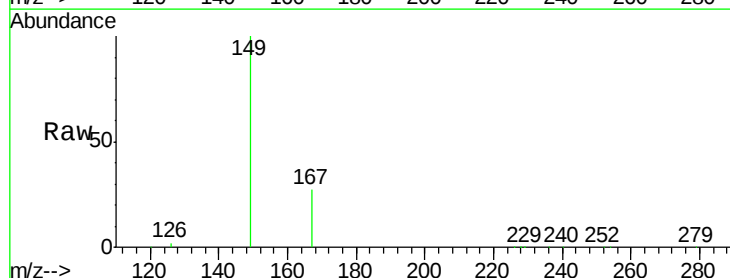
Tgt Ion: 149 Resp: 68974

Ion Ratio Lower Upper

149 100

167 27.0 0.0 0.0#

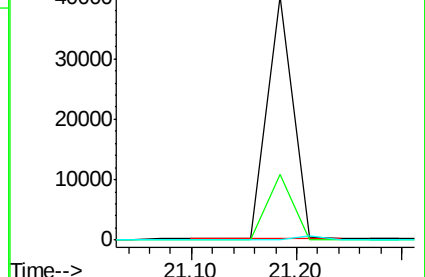
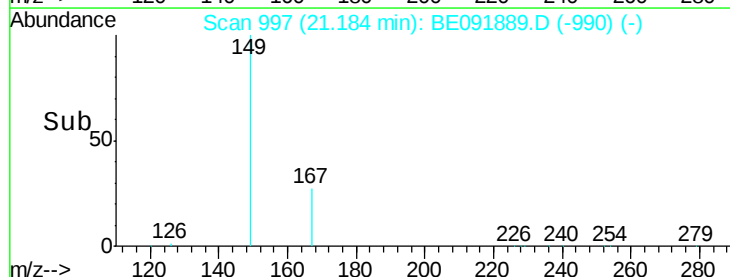
279 0.0 0.0 0.0

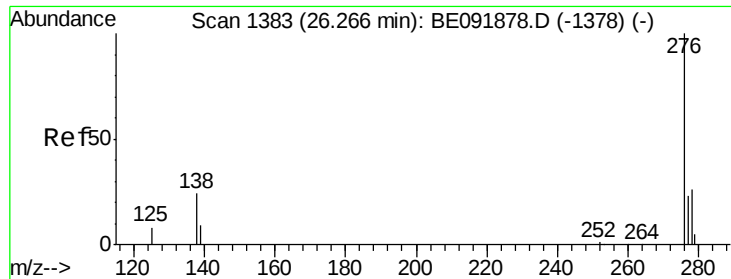


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.10 ng

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

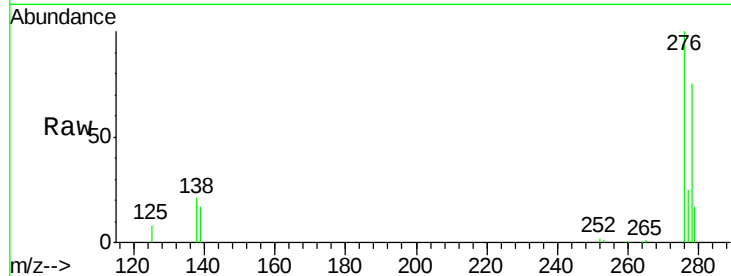
Tot Ion:276 Resp: 165653

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

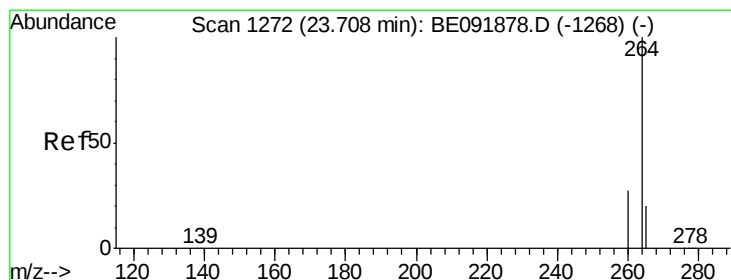
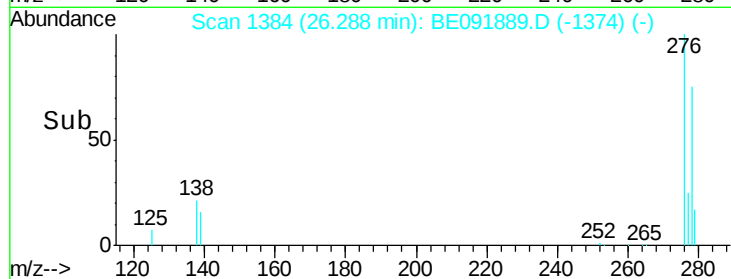
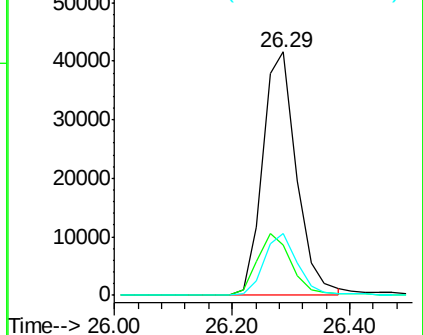
277 24.7 20.1 30.1



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: 23.73 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

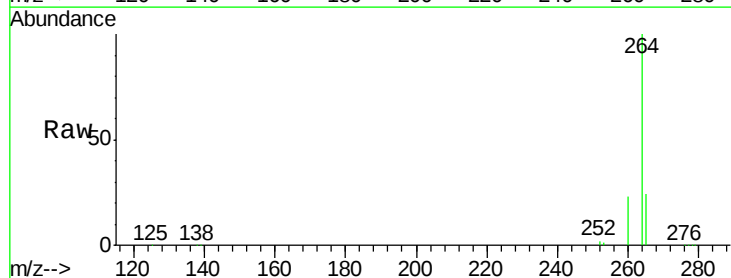
Tgt Ion:264 Resp: 165818

Ion Ratio Lower Upper

264 100

260 22.6 20.3 30.5

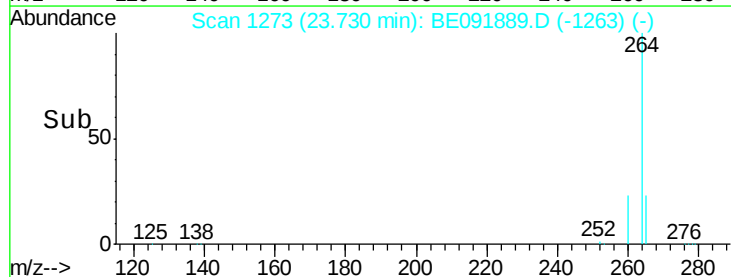
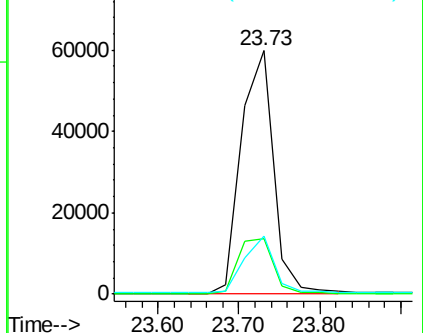
265 24.0 17.6 26.4

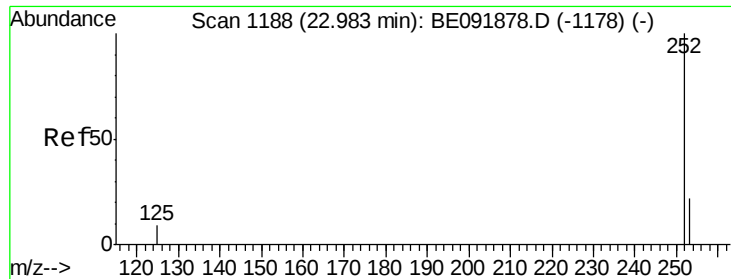


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.33 ng

RT: 22.98 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

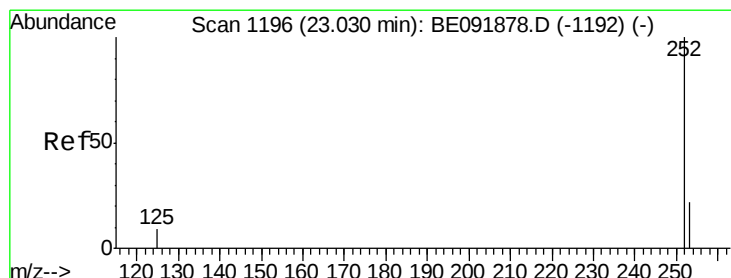
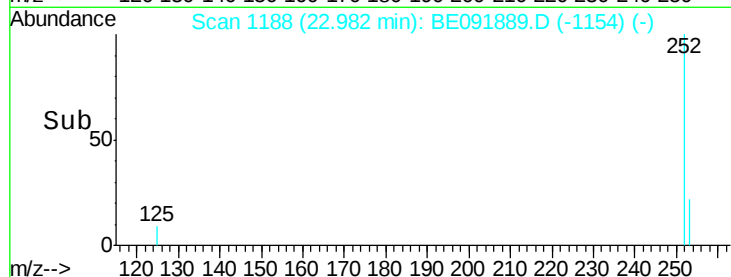
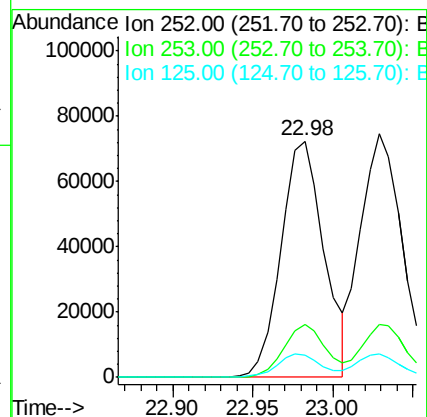
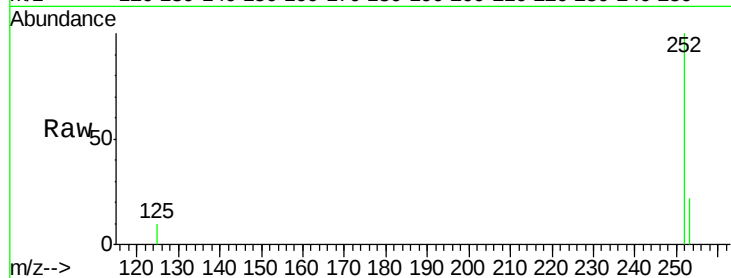
Tot Ion:252 Resp: 134839

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.5 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 3.35 ng

RT: 23.03 min Scan# 1196

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

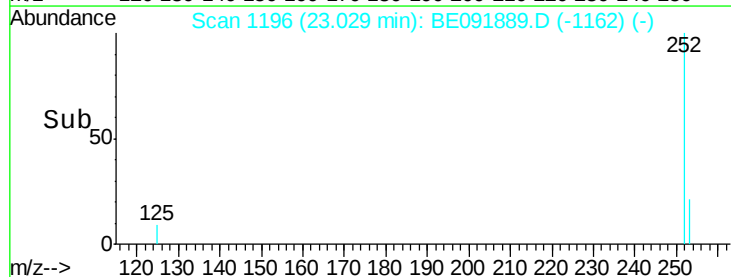
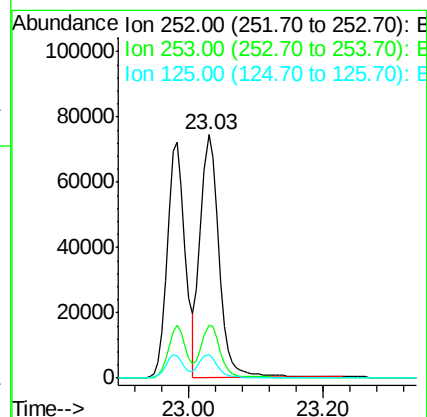
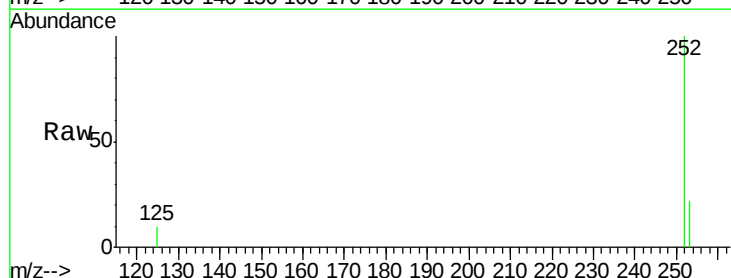
Tgt Ion:252 Resp: 140814

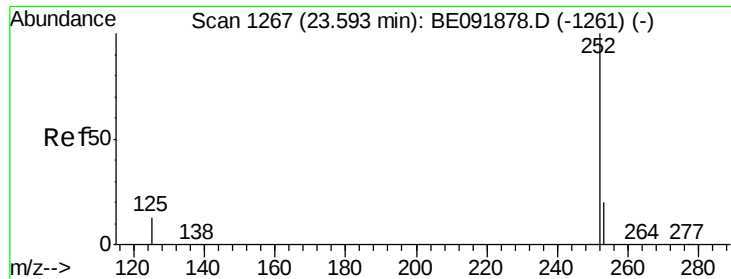
Ion Ratio Lower Upper

252 100

253 21.6 19.4 29.2

125 9.7 8.3 12.5





#43

Benzo(a)pyrene

Concen: 3.39 ng

RT: 23.61 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

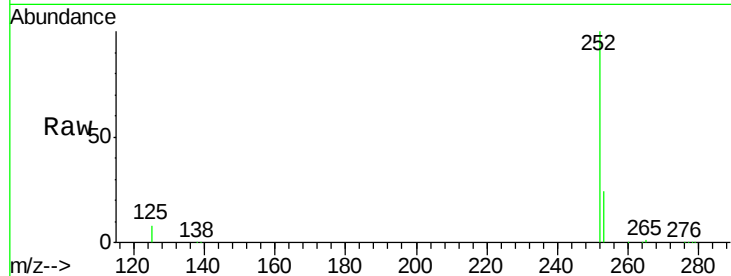
Tot Ion:252 Resp: 128920

Ion Ratio Lower Upper

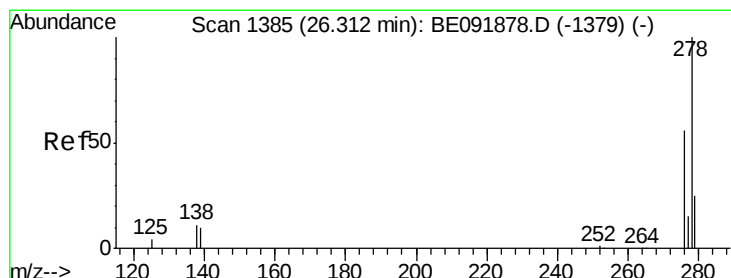
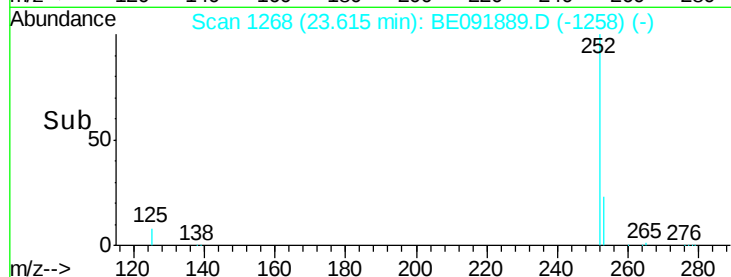
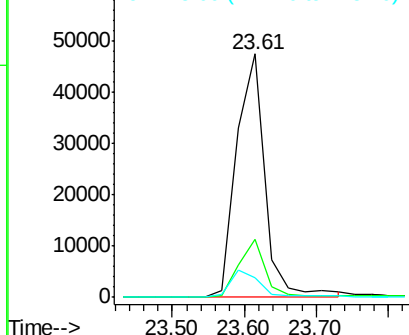
252 100

253 23.7 18.9 28.3

125 7.9 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: 3.92 ng

RT: 26.31 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

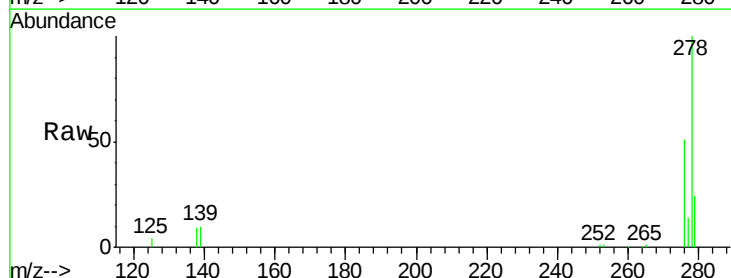
Tgt Ion:278 Resp: 138807

Ion Ratio Lower Upper

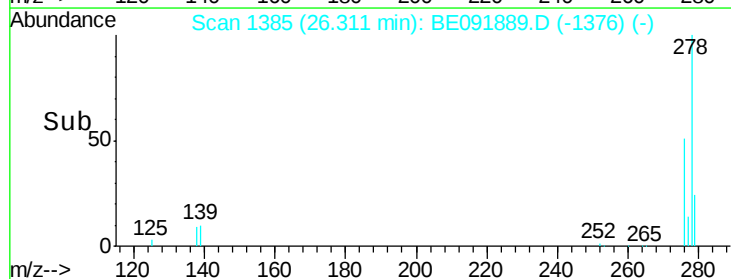
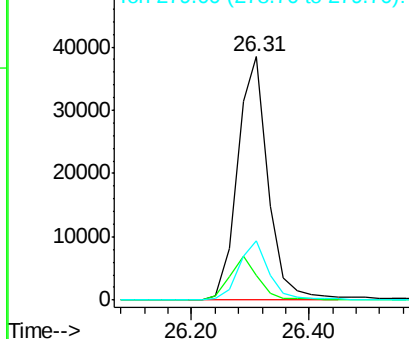
278 100

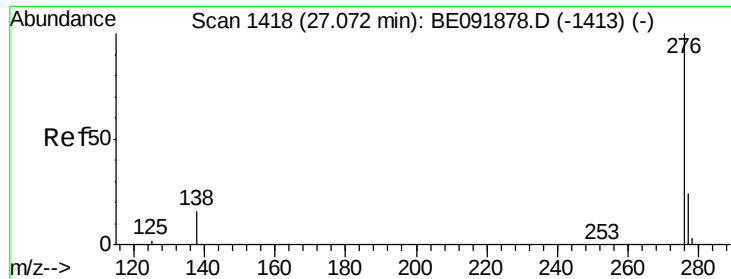
139 10.1 12.6 18.8#

279 24.2 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: 3.89 ng

RT: 27.07 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BE091889.D

Acq: 7 Jun 2016 23:28

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

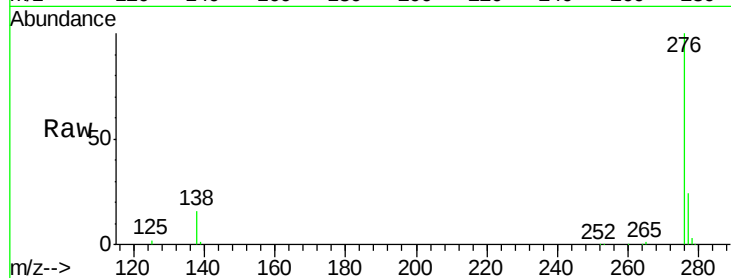
Tot Ion: 276 Resp: 144481

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 15.8 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

