

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091888.D
 Acq On : 7 Jun 2016 22:49
 Operator : UM/SJ
 Sample : PB91035BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:17:29 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	26989	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	113802	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	57090	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	154045	5.00	ng	0.00
31) Chrysene-d12	21.30	240	106971	5.00	ng	0.00
40) Perylene-d12	23.71	264	166022	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	40010	6.95	ng	0.00
5) Phenol-d6	6.94	99	51325	7.20	ng	-0.02
9) Nitrobenzene-d5	8.91	82	30089	3.52	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	11711	7.20	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	62021	3.58	ng	0.00
34) Terphenyl-d14	19.74	244	78209	-5.00	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	10221	2.85	ng	# 83
3) n-Nitrosodimethylamine	3.61	42	14264	3.16	ng	# 90
6) bis(2-Chloroethyl)ether	7.20	93	24201	3.13	ng	98
7) n-Nitroso-di-n-propylamine	8.54	70	16945	2.78	ng	# 93
10) Nitrobenzene	8.96	77	25422	3.26	ng	# 100
11) bis(2-Chloroethoxy)methane	9.95	93	35674	3.09	ng	# 40
12) Naphthalene	10.59	128	76755	3.12	ng	97
13) Hexachlorobutadiene	10.88	225	12027	3.29	ng	99
14) 2-Methylnaphthalene	12.20	142	50481	3.19	ng	95
18) Acenaphthylene	14.11	152	80000	3.10	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	11363	2.98	ng	98
20) Acenaphthene	14.44	154	51983	3.29	ng	97
21) 2,4-Dinitrotoluene	14.76	165	12359	2.86	ng	# 1
22) Fluorene	15.42	166	60245	3.12	ng	99
23) 4-Chlorophenyl-phenylether	15.42	204	28917	3.05	ng	97
25) 4-Bromophenyl-phenylether	16.31	248	16834	3.04	ng	98
26) Hexachlorobenzene	16.43	284	16973	3.00	ng	99
27) Pentachlorophenol	16.78	266	14987	5.53	ng	91
28) Phenanthrene	17.16	178	101244	2.84	ng	99
29) Anthracene	17.25	178	91819	2.89	ng	99
30) Fluoranthene	19.17	202	104115	2.70	ng	99
32) Benzidine	19.38	184	7656	0.97	ng	# 93
33) Pyrene	19.53	202	114491	4.24	ng	100
35) Benzo(a)anthracene	21.27	228	807601	6.21	ng	# 83
36) 3,3'-Dichlorobenzidine	21.21	252	22323	2.62	ng	86
37) Chrysene	21.27	228	814845	7.47	ng	# 73
38) Bis(2-ethylhexyl)phthalate	21.19	149	52798	2.74	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	168246	Below Cal		99
41) Benzo(b)fluoranthene	22.98	252	128240	3.16	ng	98
42) Benzo(k)fluoranthene	23.02	252	137217	3.26	ng	95
43) Benzo(a)pyrene	23.59	252	125252	3.29	ng	95
44) Dibenzo(a,h)anthracene	26.29	278	142164	4.01	ng	97
45) Benzo(a,h,i)perylene	27.05	276	145450	3.91	ng	99

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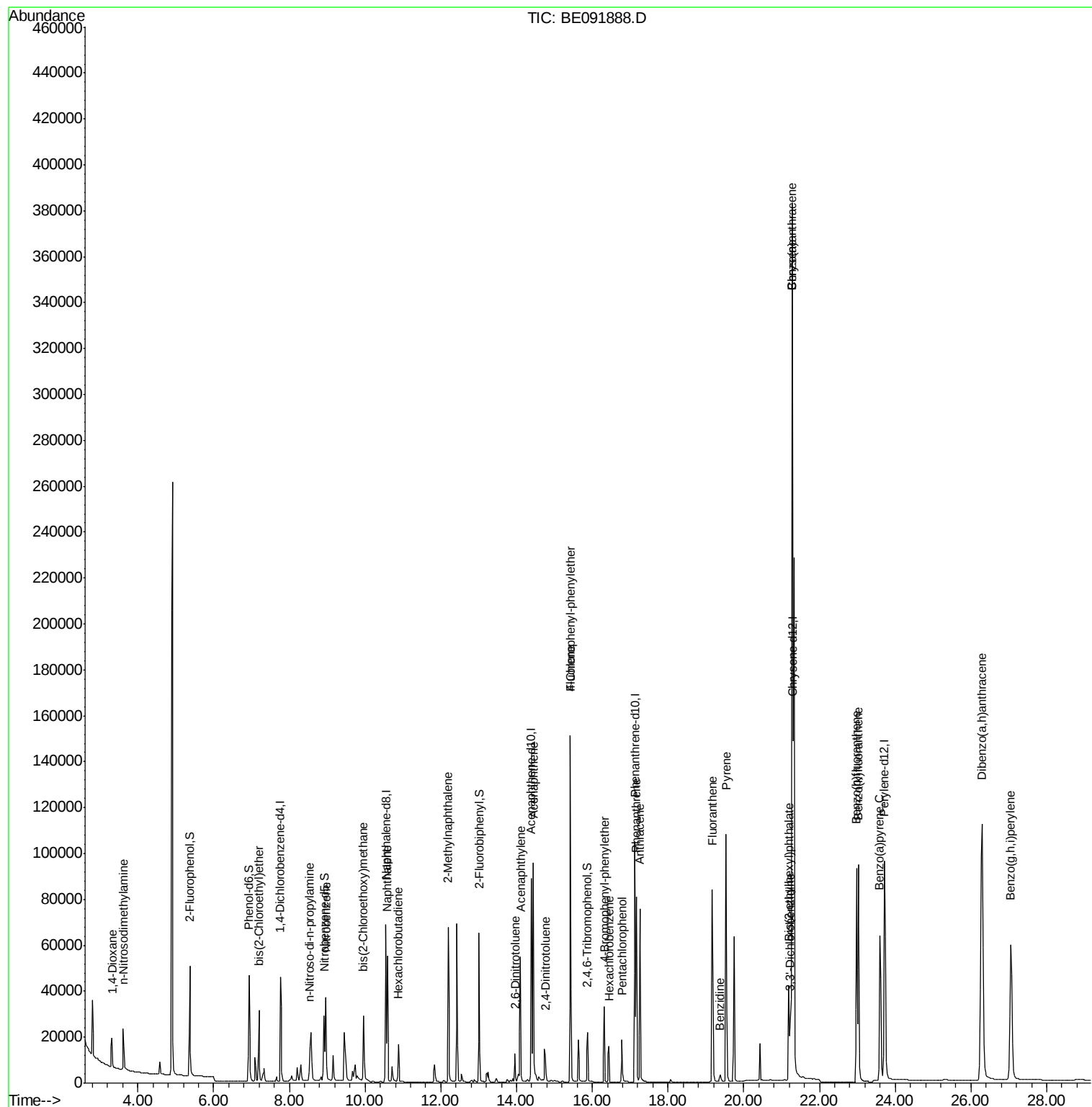
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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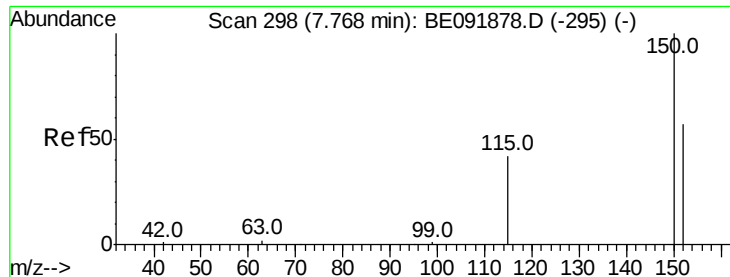
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampled :

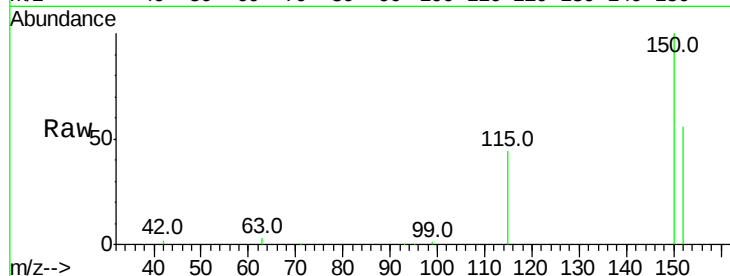
Tot Ion:152 Resp: 26989

Ion Ratio Lower Upper

152 100

150 179.5 123.9 185.9

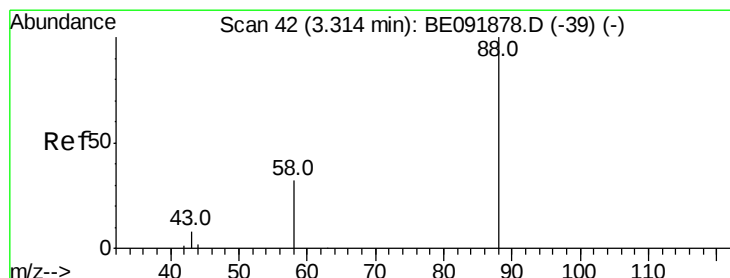
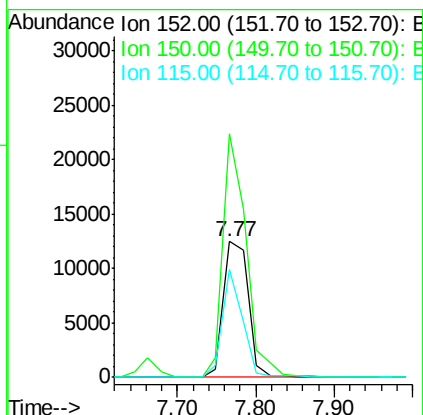
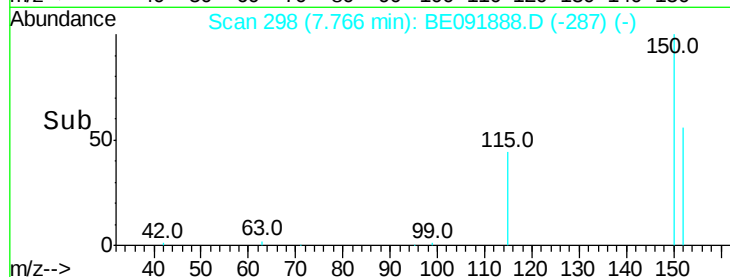
115 79.2 48.3 72.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.85 ng

RT: 3.31 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

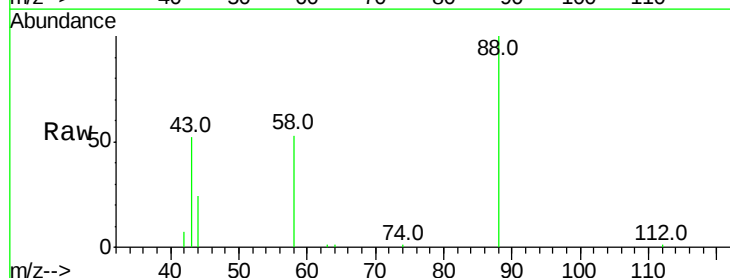
Tgt Ion: 88 Resp: 10221

Ion Ratio Lower Upper

88 100

58 86.4 63.0 94.4

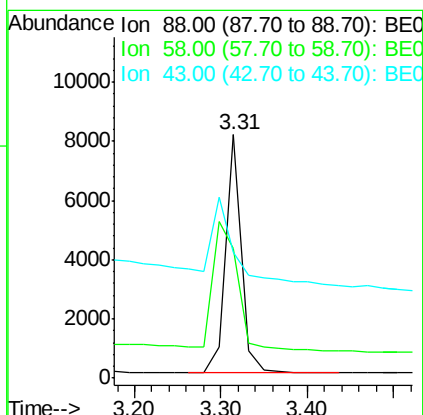
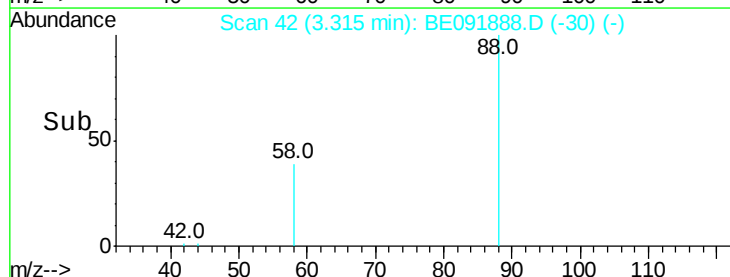
43 57.0 29.1 43.7#

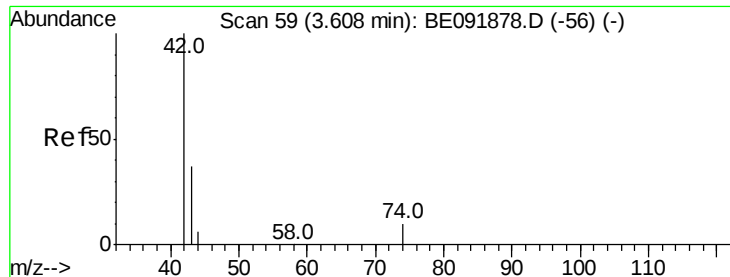


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.16 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

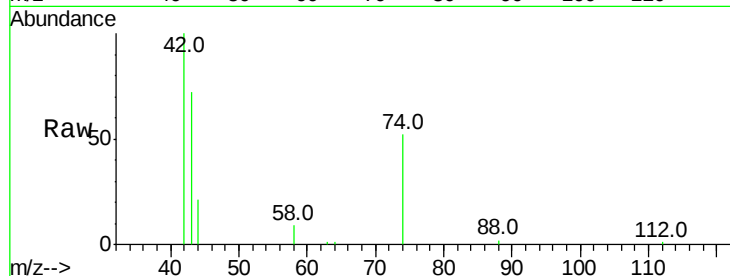
Tot Ion: 42 Resp: 14264

Ion Ratio Lower Upper

42 100

74 105.8 93.4 140.0

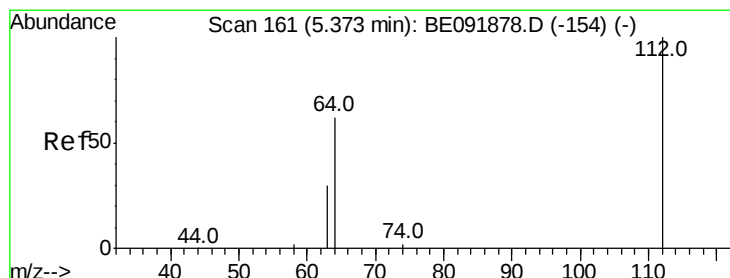
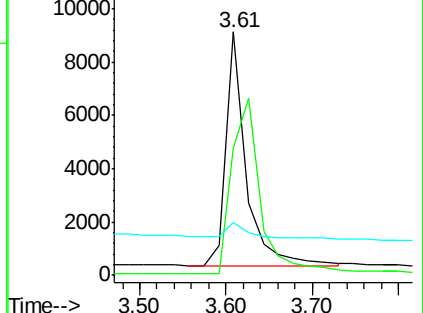
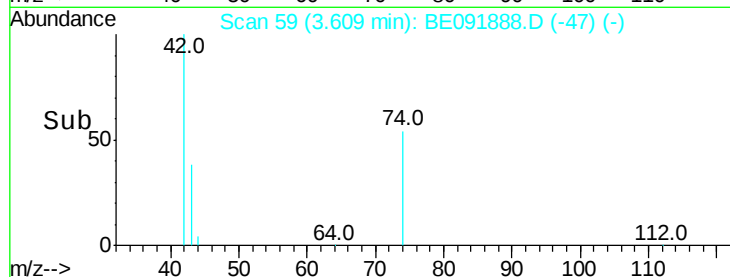
44 9.6 5.0 7.6#



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: 6.95 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

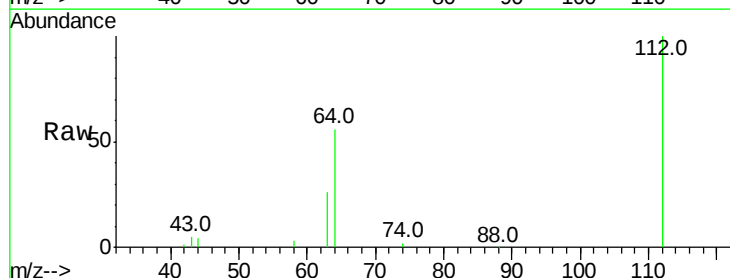
Tgt Ion: 112 Resp: 40010

Ion Ratio Lower Upper

112 100

64 65.6 53.7 80.5

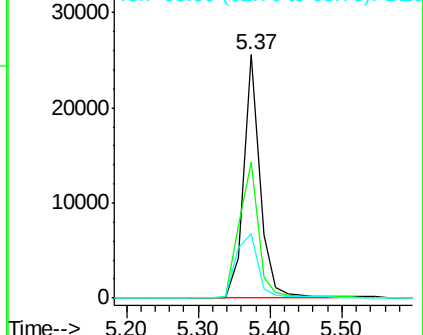
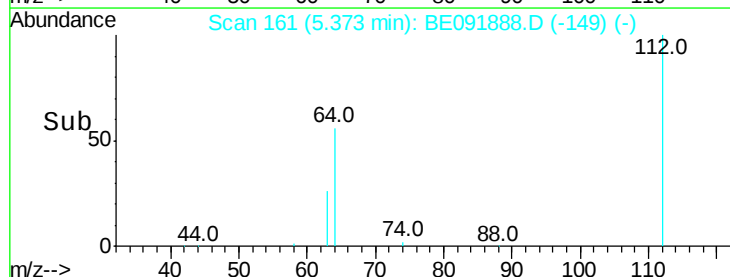
63 35.0 29.5 44.3

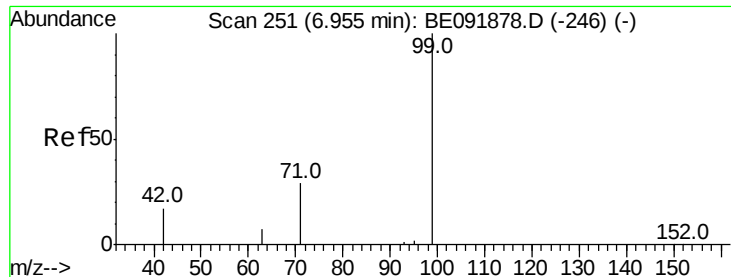


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.20 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

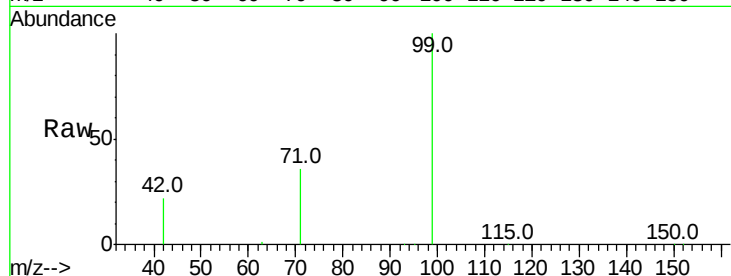
Tot Ion: 99 Resp: 51325

Ion Ratio Lower Upper

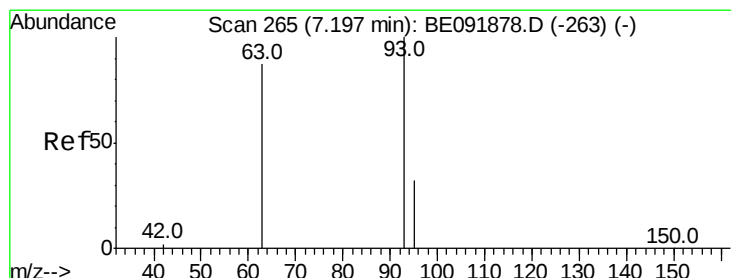
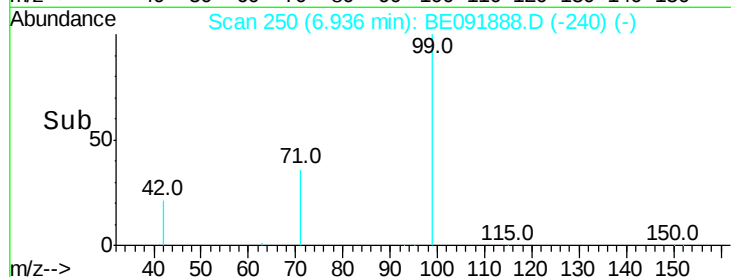
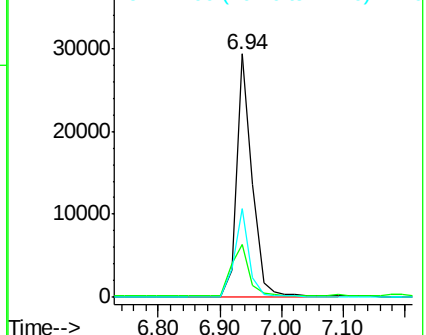
99 100

42 24.3 19.6 29.4

71 35.0 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: 3.13 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

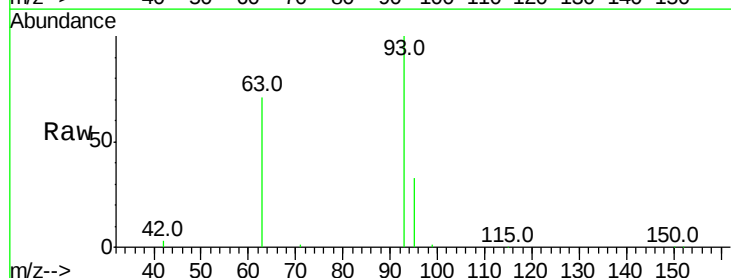
Tgt Ion: 93 Resp: 24201

Ion Ratio Lower Upper

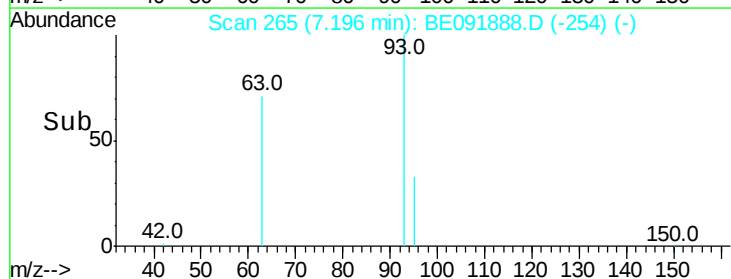
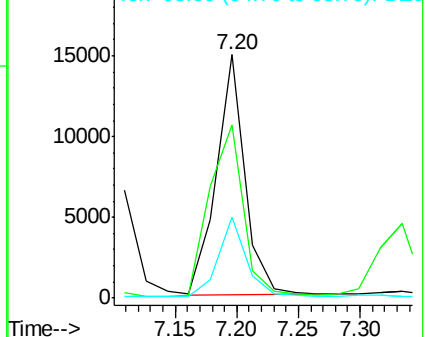
93 100

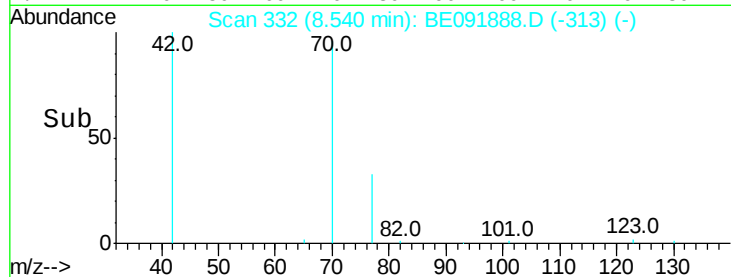
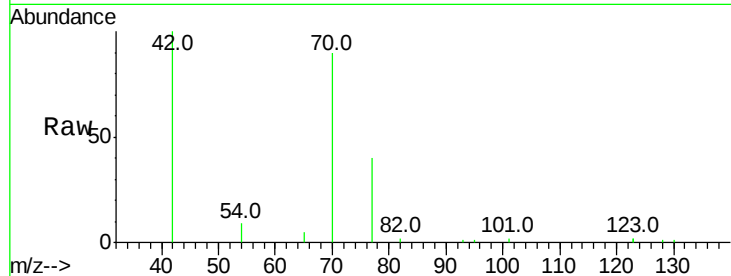
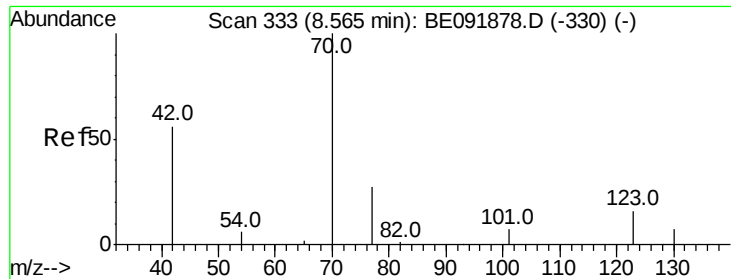
63 84.6 66.2 99.4

95 32.9 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: 2.78 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 16945

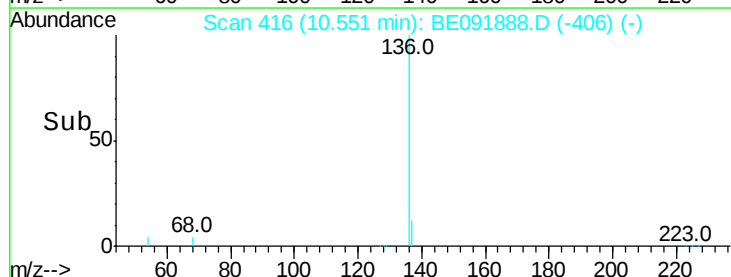
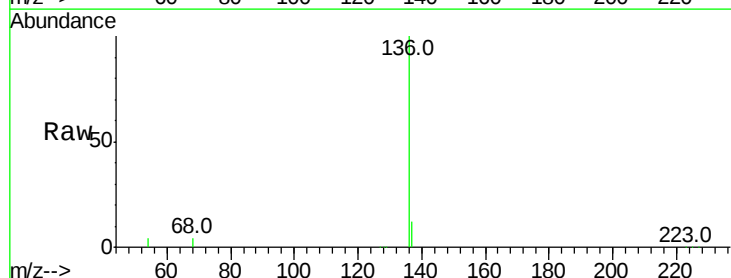
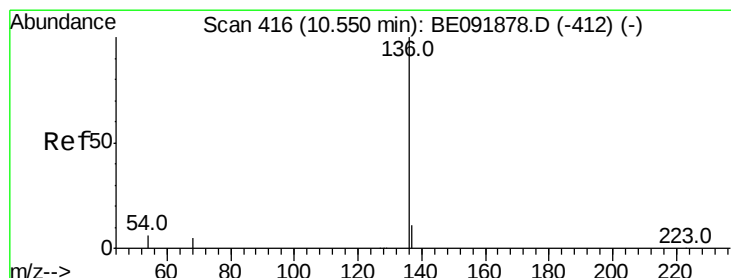
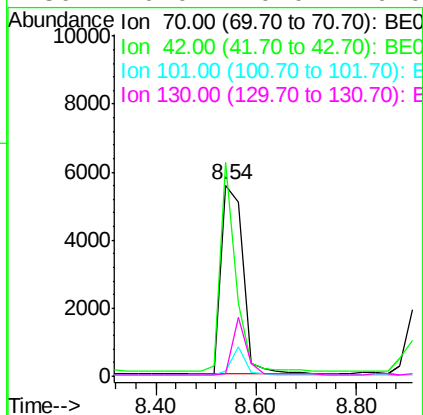
Ion Ratio Lower Upper

70 100

42 77.3 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: BE091888.D

Acq: 7 Jun 2016 22:49

Tgt Ion: 136 Resp: 113802

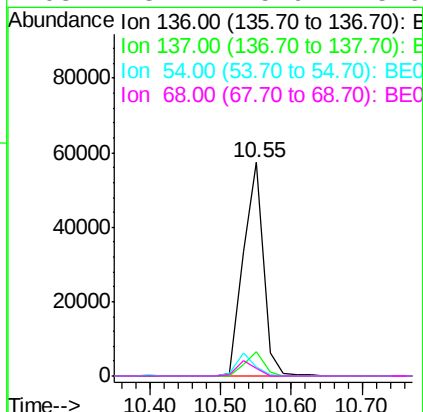
Ion Ratio Lower Upper

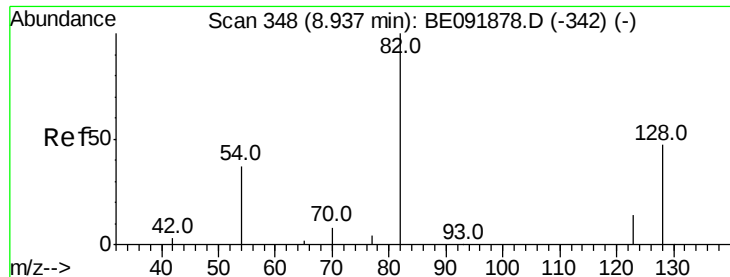
136 100

137 11.7 8.3 12.5

54 4.5 8.2 12.4#

68 3.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.52 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

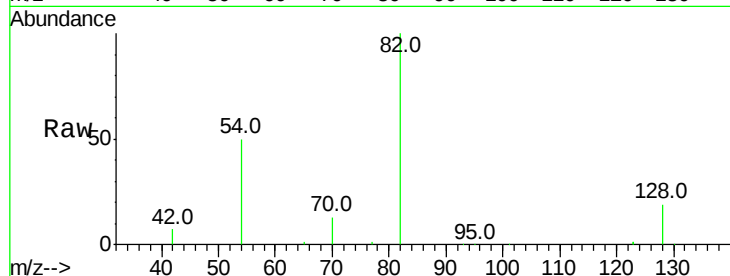
Tot Ion: 82 Resp: 30089

Ion Ratio Lower Upper

82 100

128 19.0 39.5 59.3#

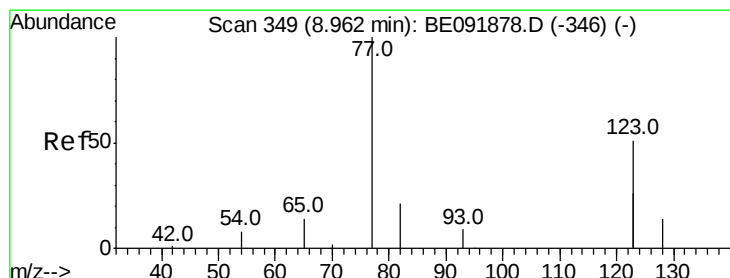
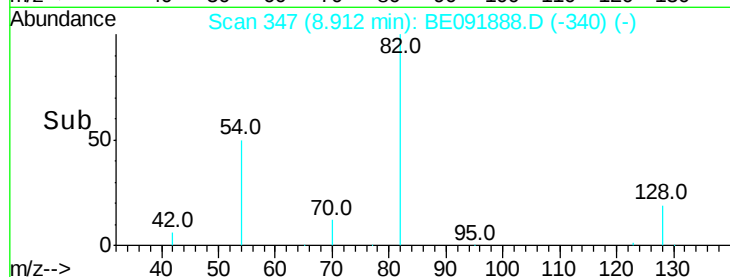
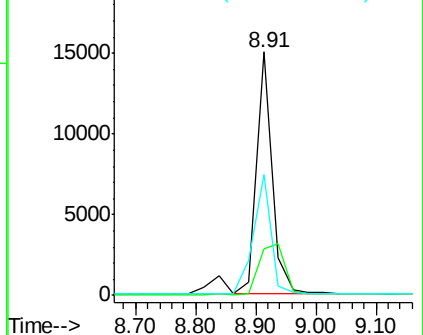
54 49.8 30.3 45.5#



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: 3.26 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

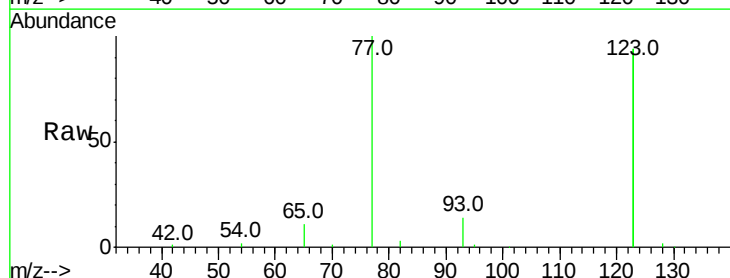
Tgt Ion: 77 Resp: 25422

Ion Ratio Lower Upper

77 100

123 163.7 0.0 0.0#

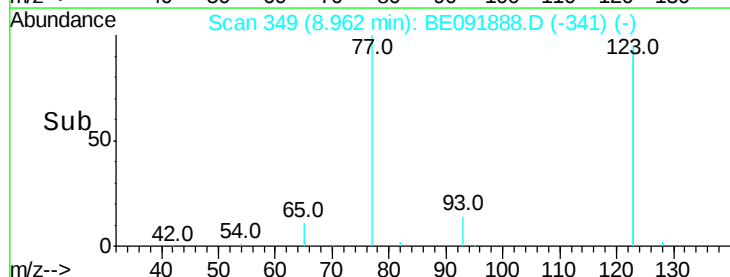
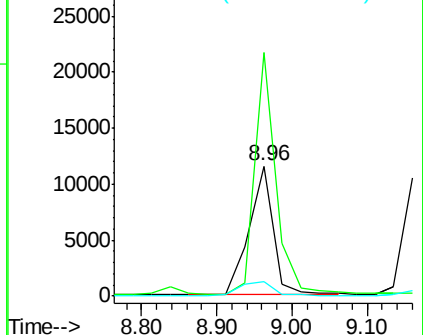
65 13.7 11.1 16.7

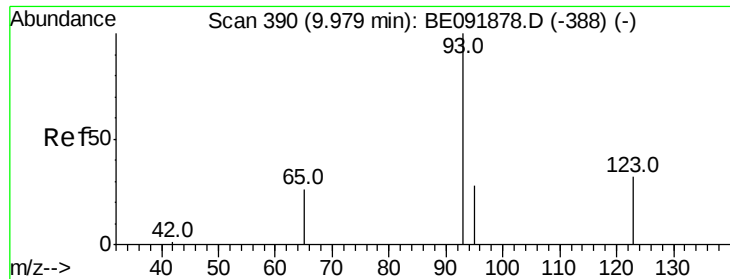


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

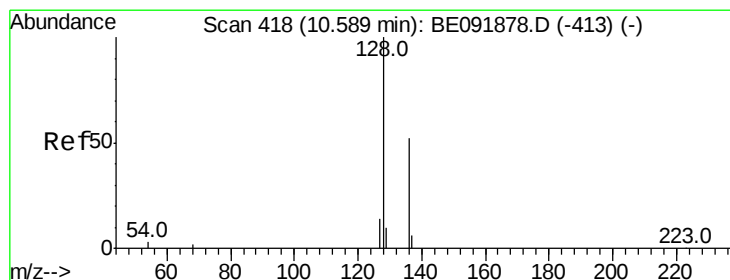
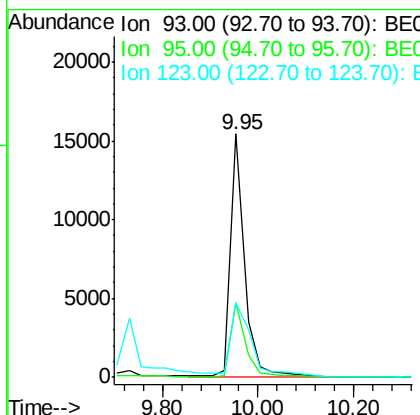
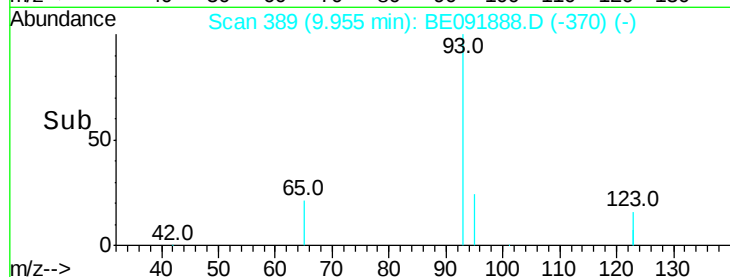
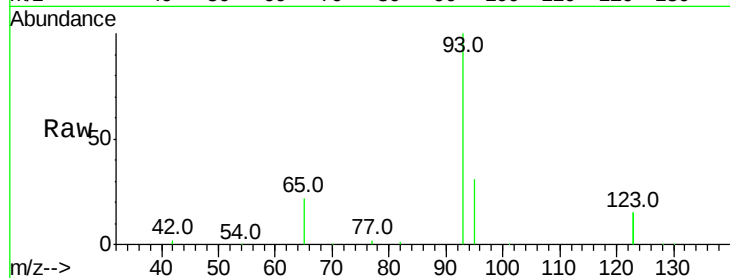




#11
bis(2-Chloroethoxy)methane
Concen: 3.09 ng
RT: 9.95 min Scan# 389
Delta R.T. -0.02 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

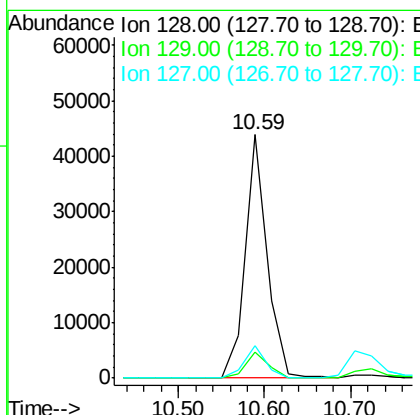
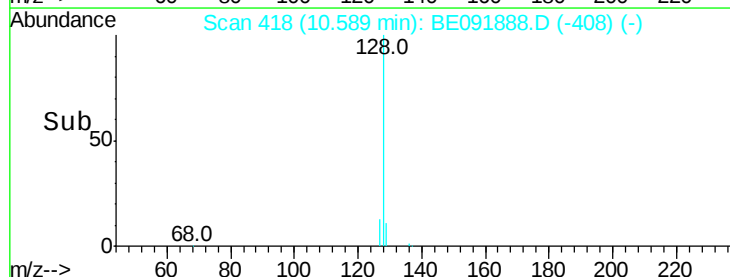
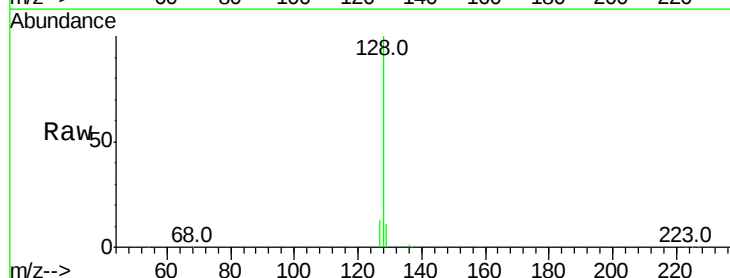
Instrument :
BNA_E
ClientSampleId :

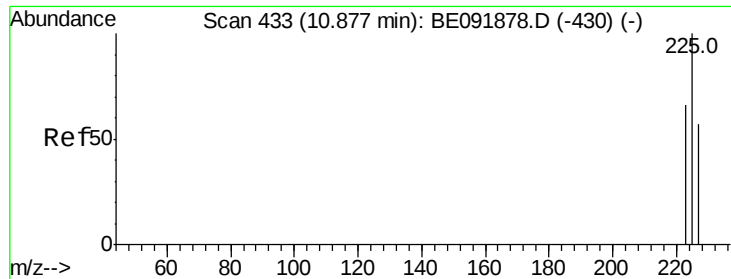
Tot Ion: 93 Resp: 35674
Ion Ratio Lower Upper
93 100
95 33.6 57.6 86.4#
123 47.1 100.2 150.4#



#12
Naphthalene
Concen: 3.12 ng
RT: 10.59 min Scan# 418
Delta R.T. 0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

Tgt Ion: 128 Resp: 76755
Ion Ratio Lower Upper
128 100
129 10.8 10.4 15.6
127 13.2 10.2 15.2

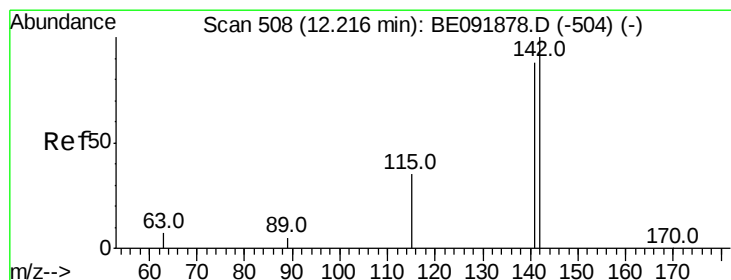
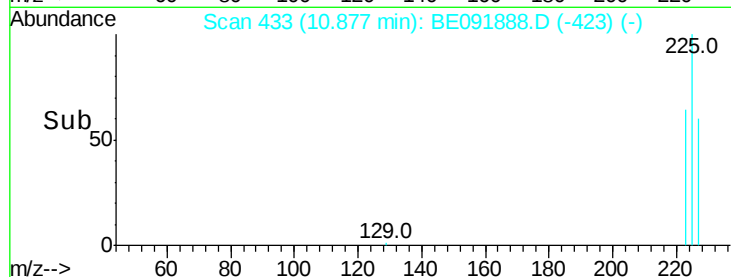
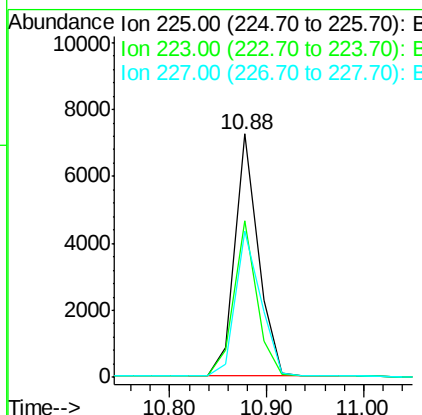
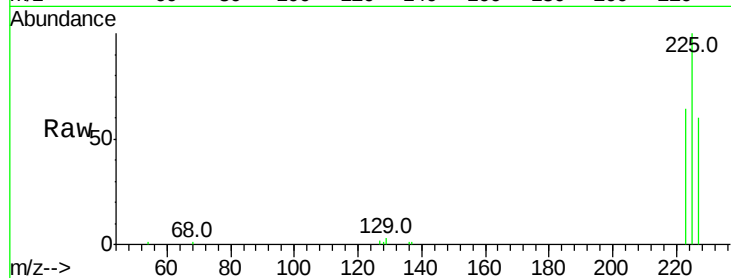




#13
Hexachlorobutadiene
Concen: 3.29 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

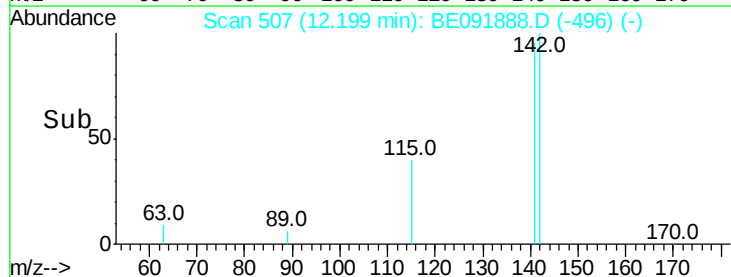
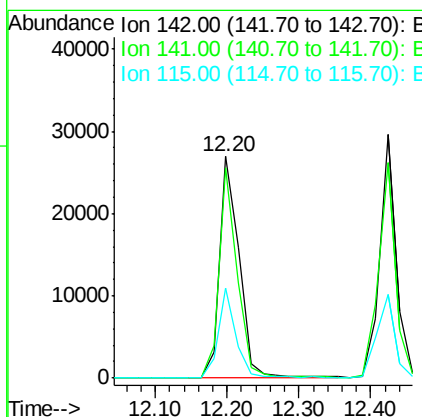
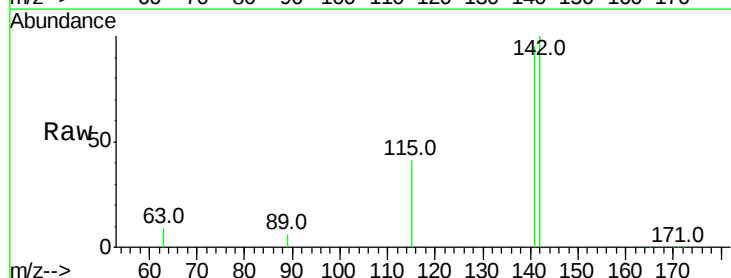
Instrument :
BNA_E
ClientSampleId :

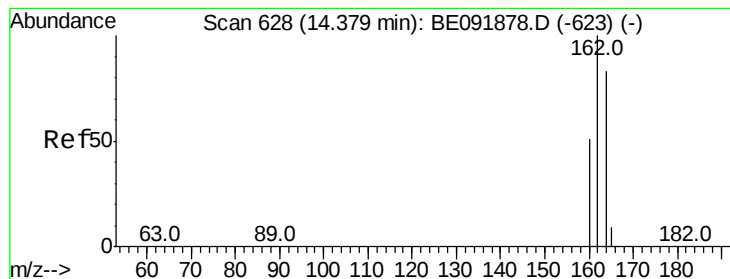
Tot Ion:225 Resp: 12027
Ion Ratio Lower Upper
225 100
223 62.5 49.8 74.8
227 64.3 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.19 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

Tgt Ion:142 Resp: 50481
Ion Ratio Lower Upper
142 100
141 94.9 71.9 107.9
115 40.6 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: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

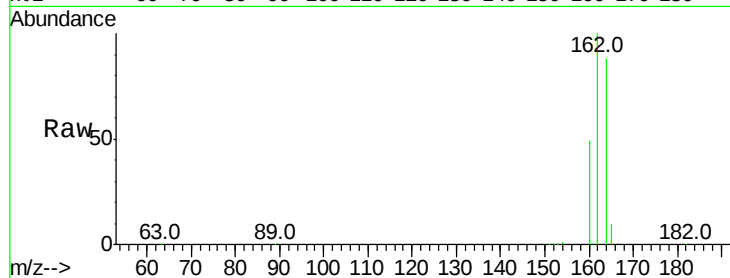
Tot Ion:164 Resp: 57090

Ion Ratio Lower Upper

164 100

162 113.9 71.8 107.8#

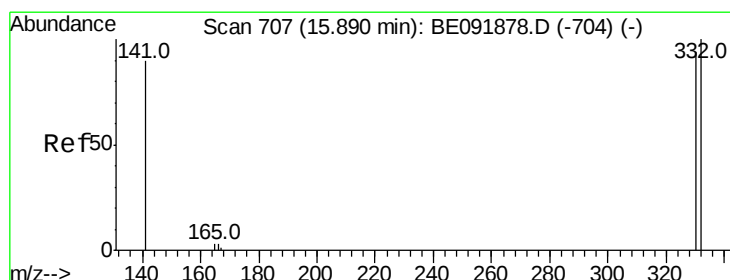
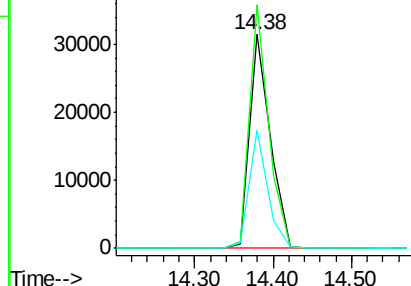
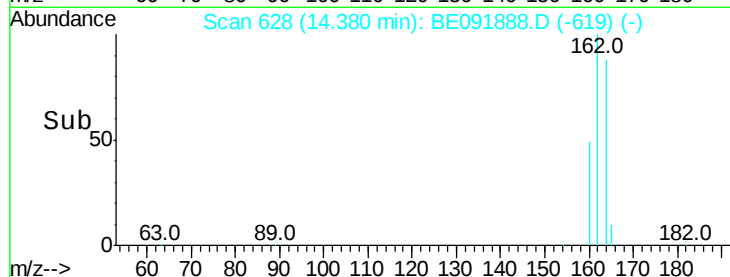
160 55.3 28.0 42.0#



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: 7.20 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

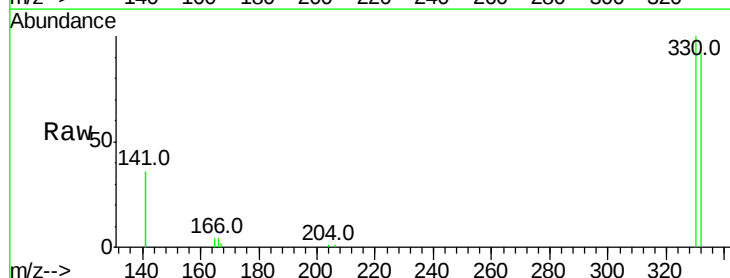
Tgt Ion:330 Resp: 11711

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

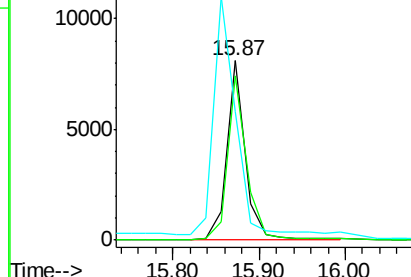
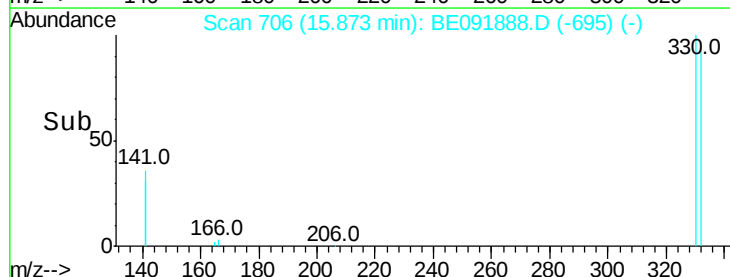
141 159.3 138.4 207.6

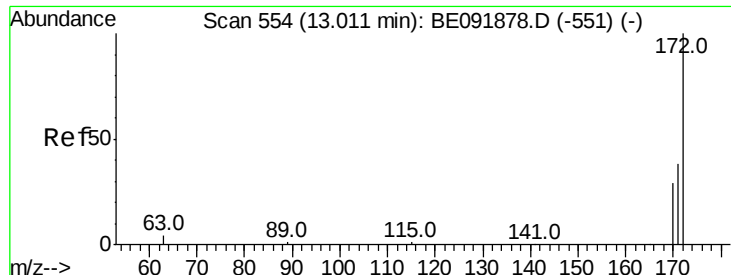


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

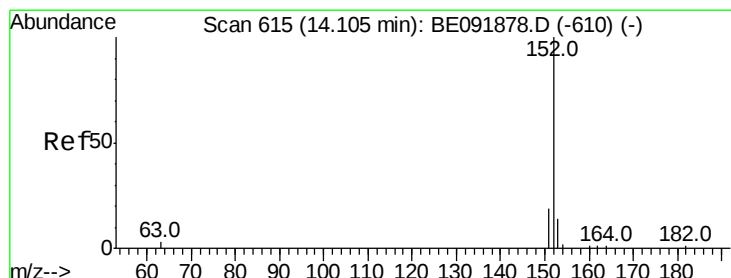
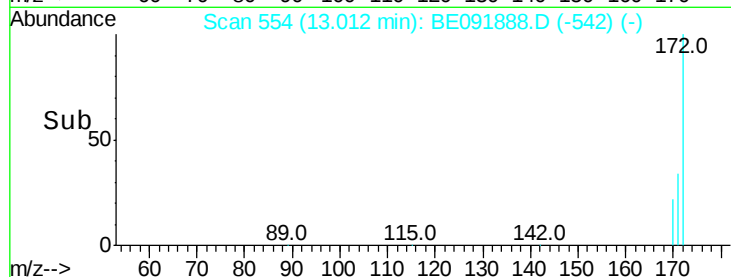
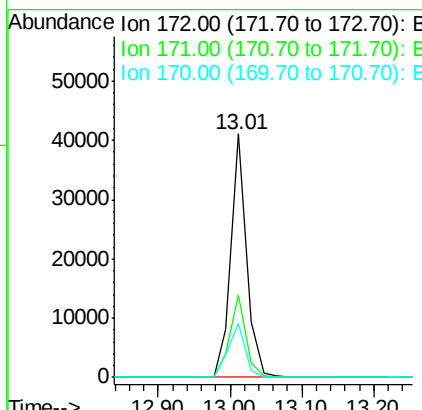
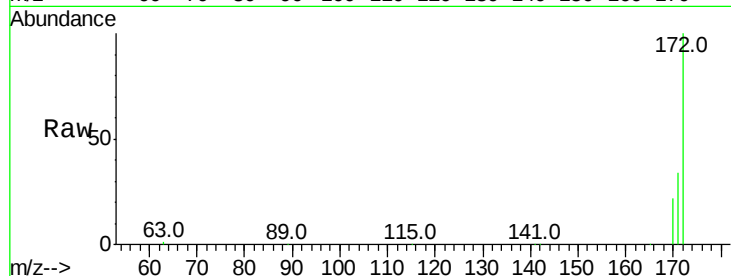




#17
 2-Fluorobiphenyl
 Concen: 3.58 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091888.D
 Acq: 7 Jun 2016 22:49

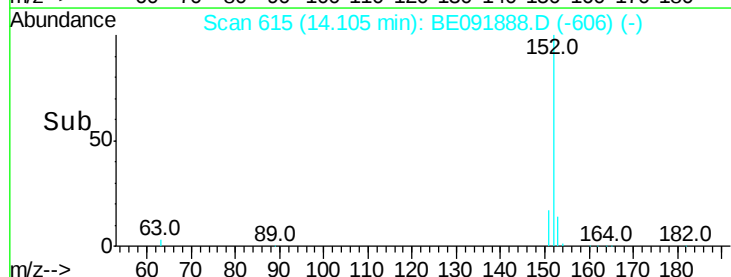
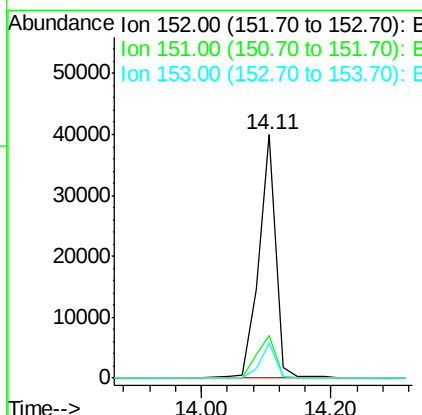
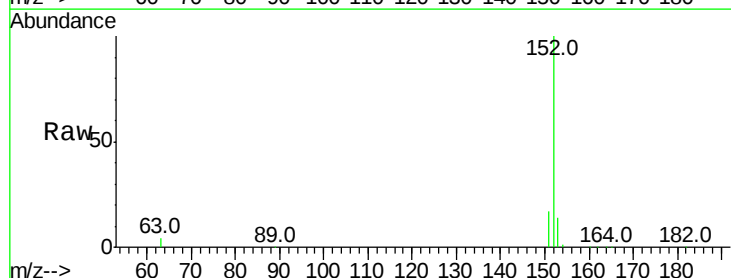
Instrument :
 BNA_E
 ClientSampleId :

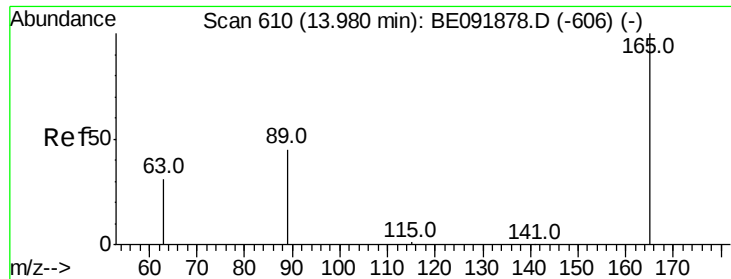
Tot Ion:172 Resp: 62021
 Ion Ratio Lower Upper
 172 100
 171 34.0 24.3 36.5
 170 22.3 14.9 22.3



#18
 Acenaphthylene
 Concen: 3.10 ng
 RT: 14.11 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BE091888.D
 Acq: 7 Jun 2016 22:49

Tgt Ion:152 Resp: 80000
 Ion Ratio Lower Upper
 152 100
 151 20.0 19.4 29.2
 153 14.0 14.4 21.6#

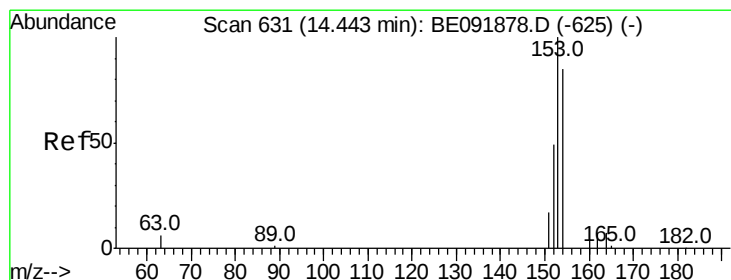
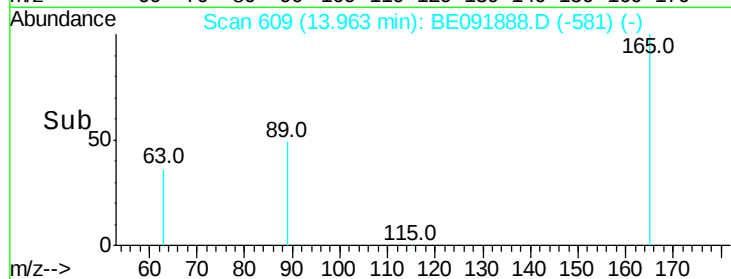
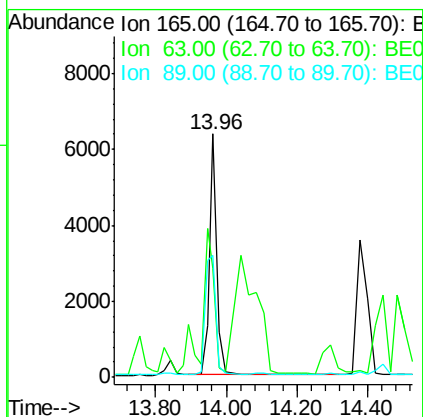
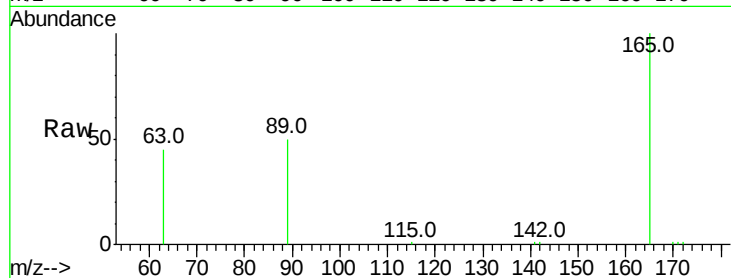




#19
2,6-Dinitrotoluene
Concen: 2.98 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

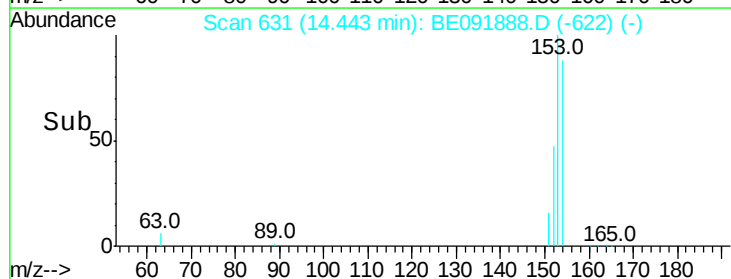
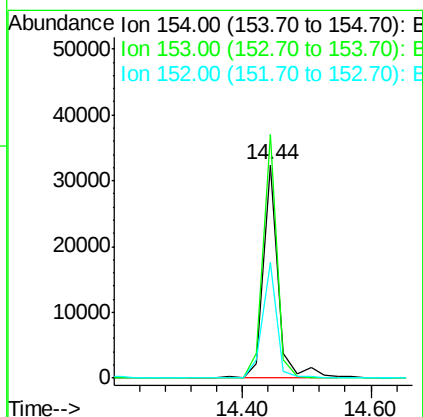
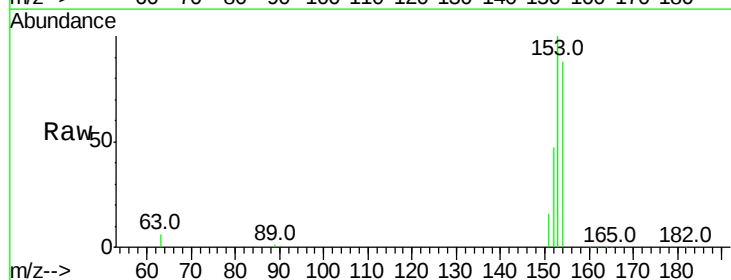
Instrument :
BNA_E
ClientSampleId :

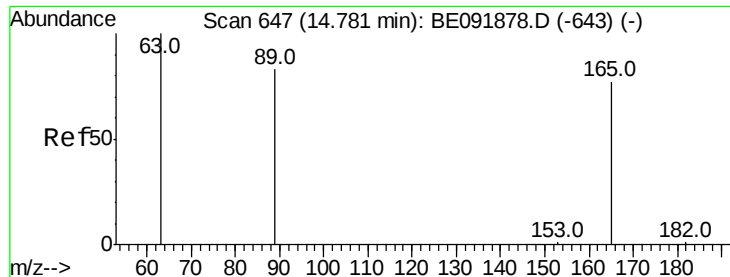
Tot Ion:165 Resp: 11363
Ion Ratio Lower Upper
165 100
63 82.5 65.9 98.9
89 70.9 59.1 88.7



#20
Acenaphthene
Concen: 3.29 ng
RT: 14.44 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

Tgt Ion:154 Resp: 51983
Ion Ratio Lower Upper
154 100
153 106.8 88.1 132.1
152 52.2 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 2.86 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 12359

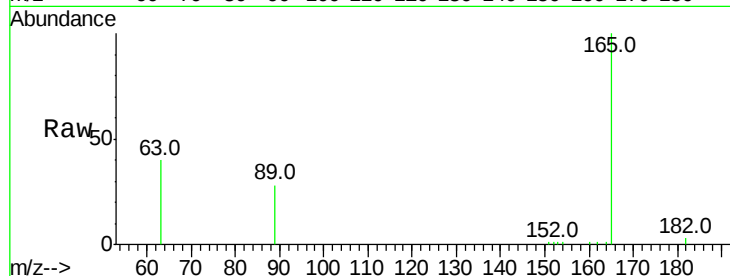
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.0 0.0 0.0#

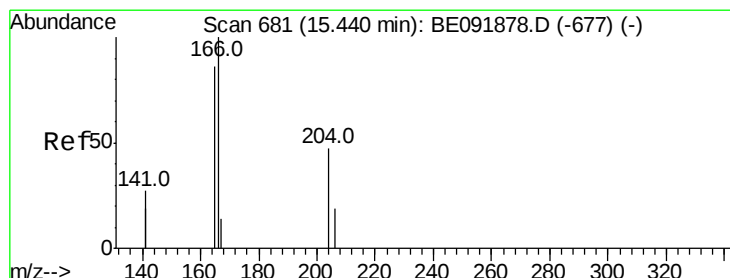
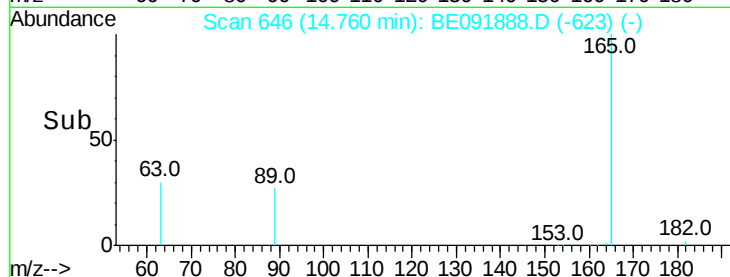
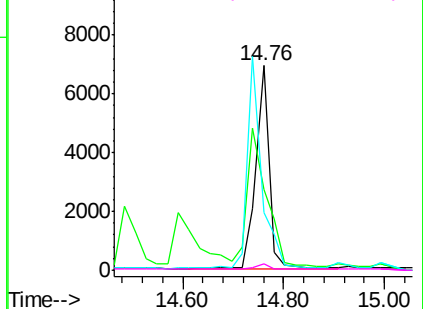


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 3.12 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

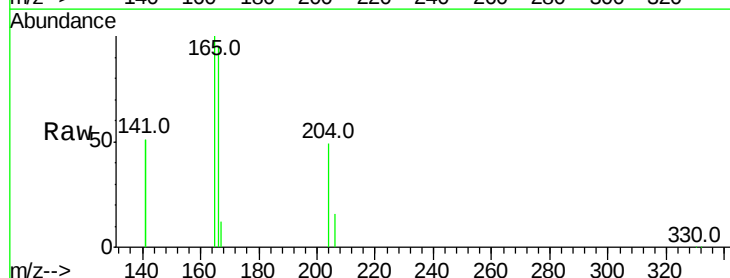
Tgt Ion:166 Resp: 60245

Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

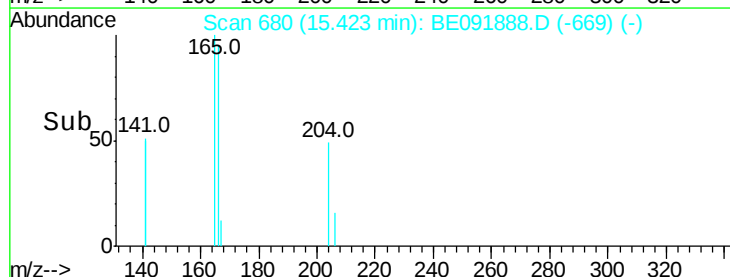
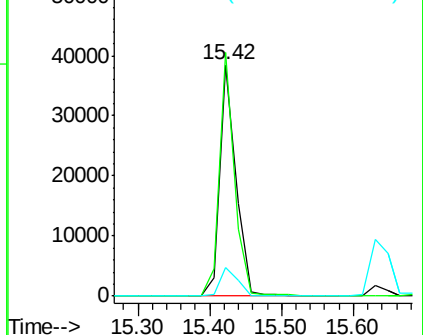
167 13.5 10.8 16.2

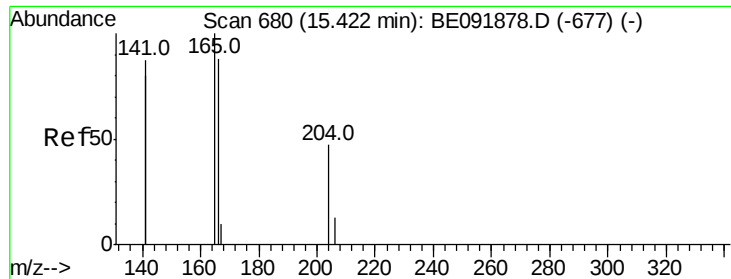


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

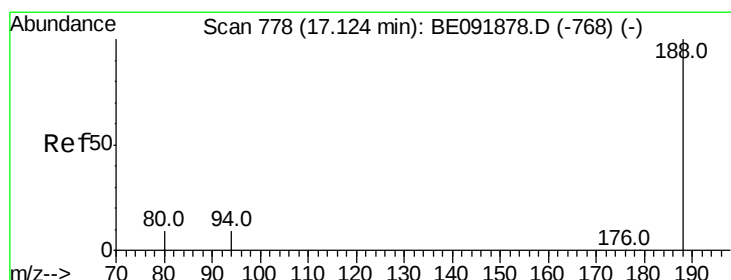
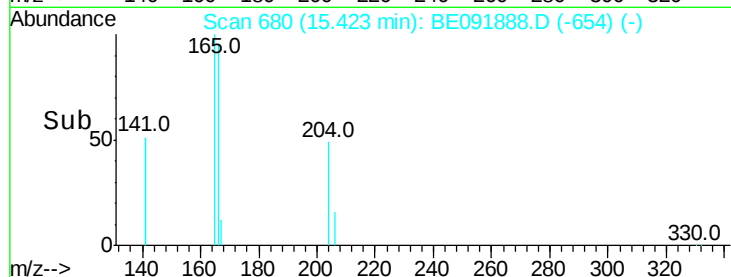
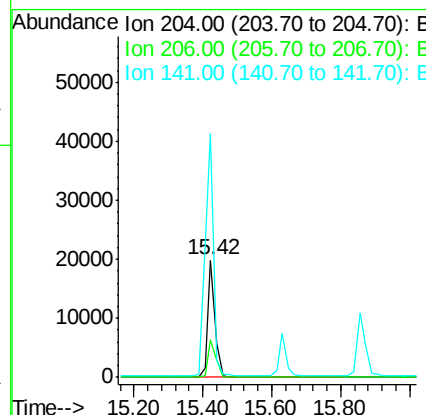
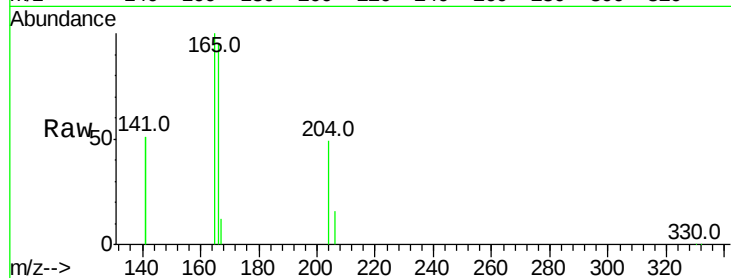




#23
4-Chlorophenyl-phenylether
Concen: 3.05 ng
RT: 15.42 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

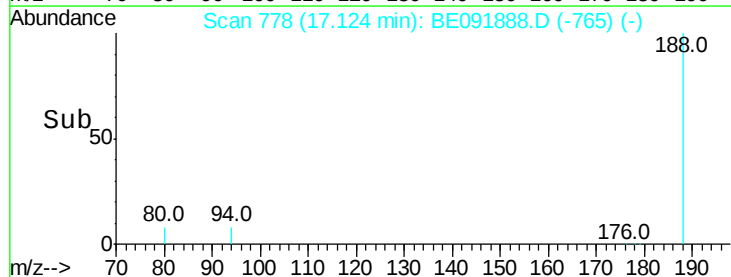
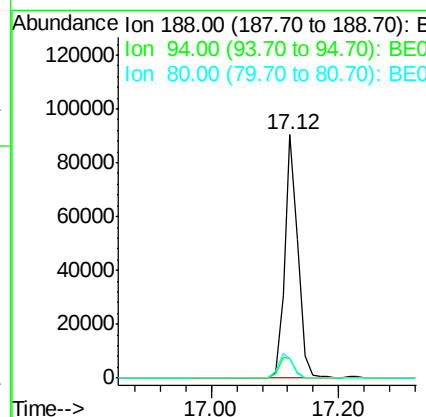
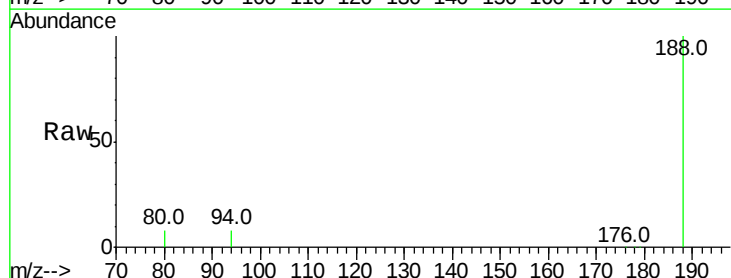
Instrument :
BNA_E
ClientSampleId :

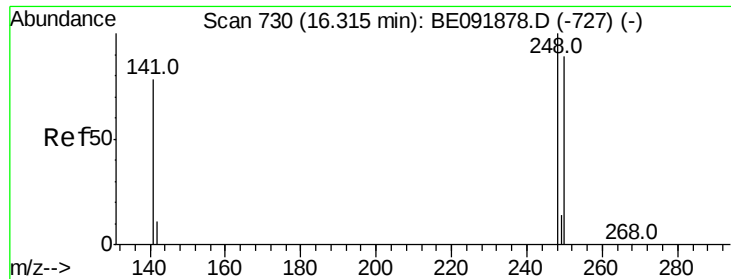
Tot Ion:204 Resp: 28917
Ion Ratio Lower Upper
204 100
206 34.5 27.8 41.6
141 241.5 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

Tgt Ion:188 Resp: 154045
Ion Ratio Lower Upper
188 100
94 8.2 4.1 6.1#
80 7.8 3.4 5.2#

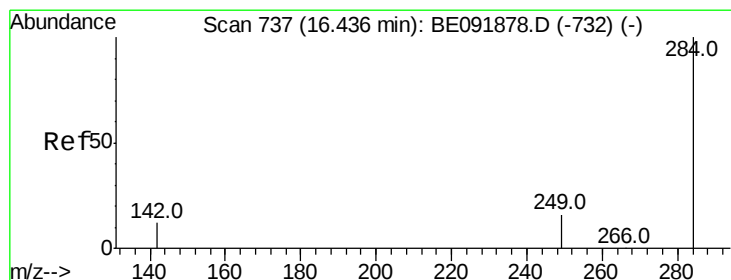
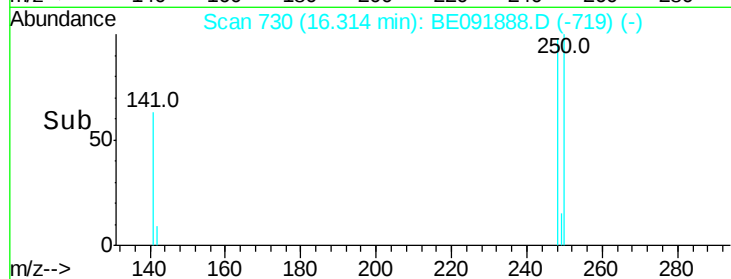
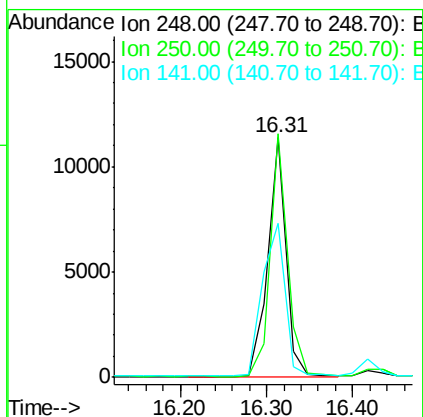
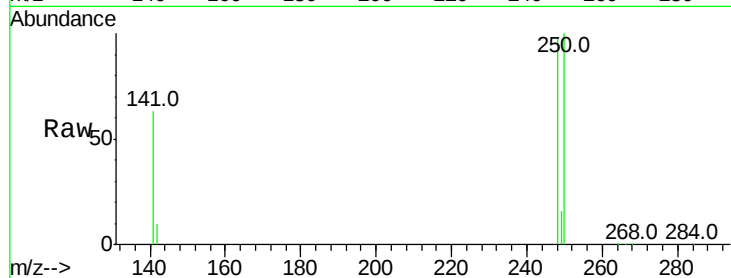




#25
4-Bromophenyl-phenylether
Concen: 3.04 ng
RT: 16.31 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

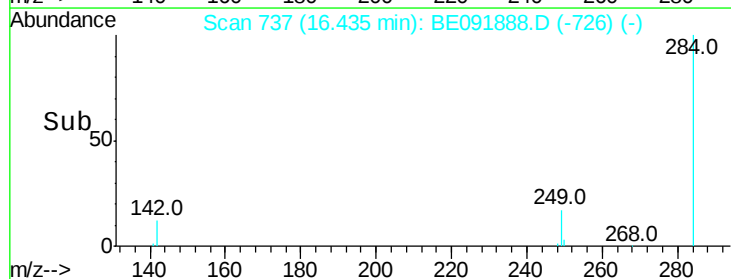
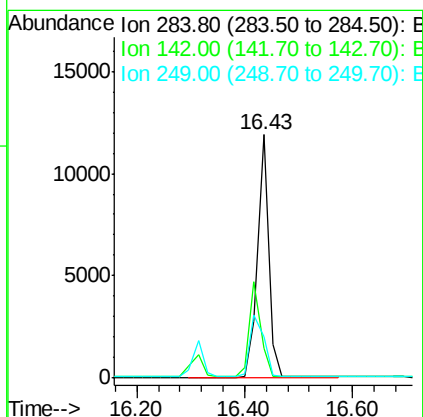
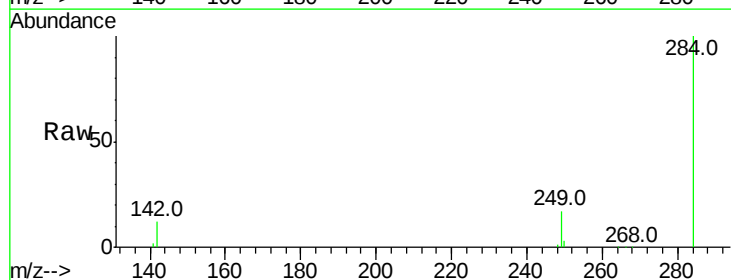
Instrument :
BNA_E
ClientSampleId :

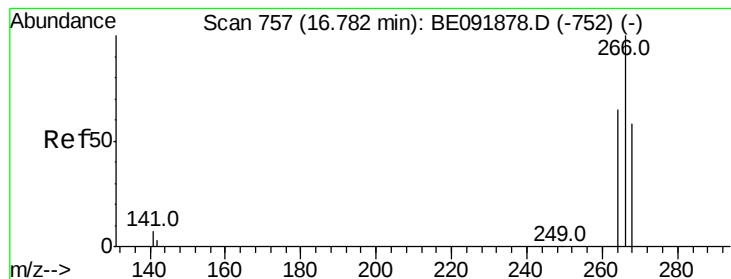
Tot Ion:248 Resp: 16834
Ion Ratio Lower Upper
248 100
250 96.5 75.7 113.5
141 79.3 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.00 ng
RT: 16.43 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

Tgt Ion:284 Resp: 16973
Ion Ratio Lower Upper
284 100
142 39.9 31.4 47.2
249 31.9 25.3 37.9





#27

Pentachlorophenol

Concen: 5.53 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampled :

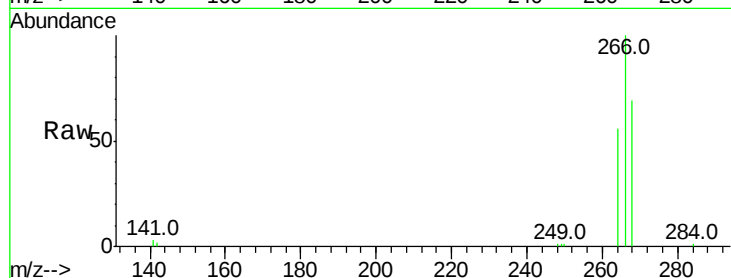
Tot Ion:266 Resp: 14987

Ion Ratio Lower Upper

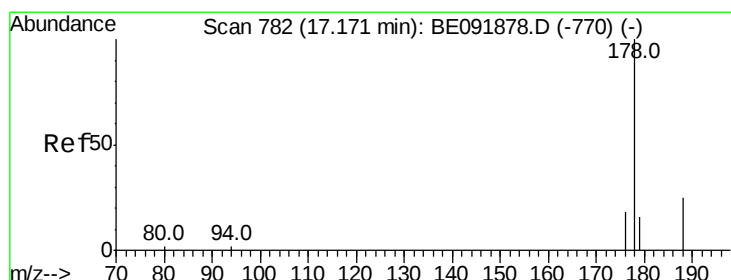
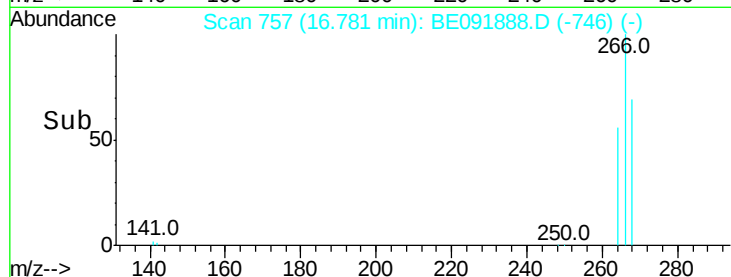
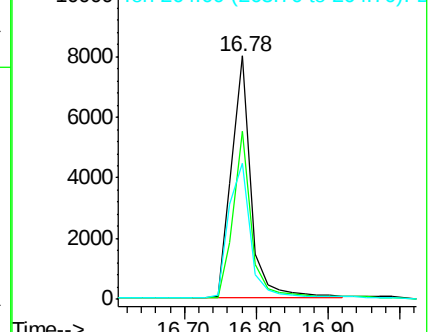
266 100

268 69.2 60.5 90.7

264 55.8 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: 2.84 ng

RT: 17.16 min Scan# 781

Delta R.T. -0.01 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

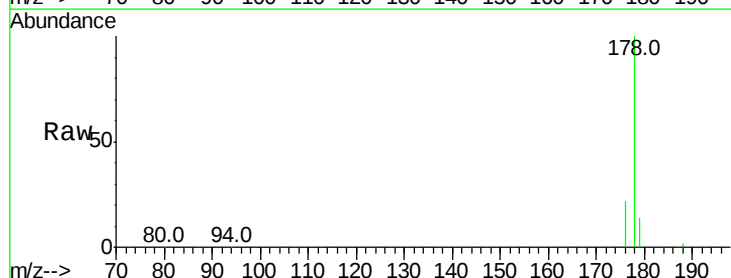
Tgt Ion:178 Resp: 101244

Ion Ratio Lower Upper

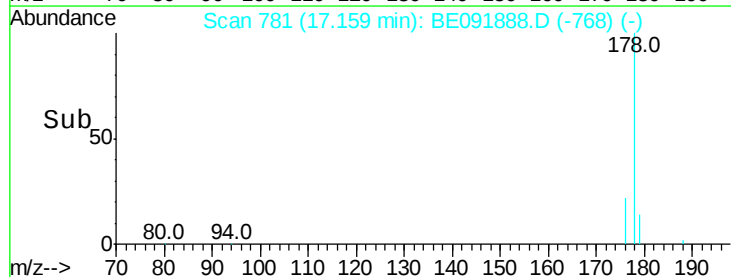
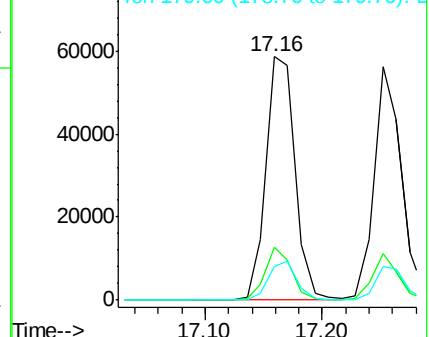
178 100

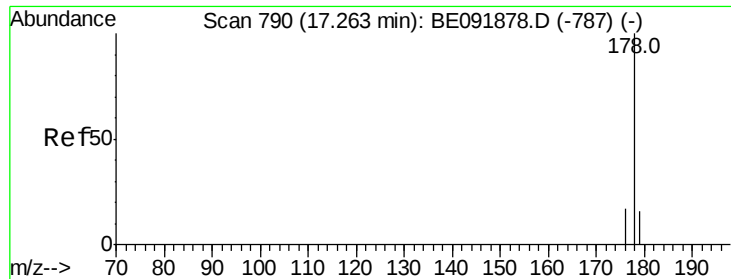
176 19.4 15.4 23.2

179 15.4 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: 2.89 ng

RT: 17.25 min Scan# 789

Delta R.T. -0.01 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

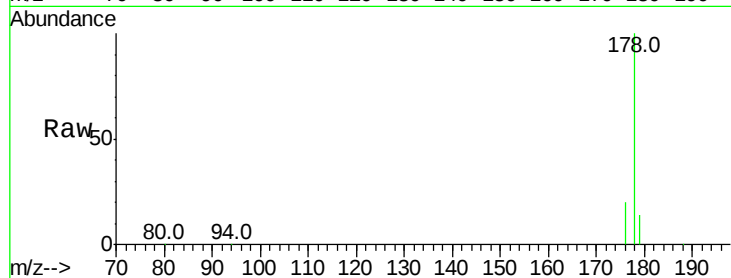
Tot Ion:178 Resp: 91819

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

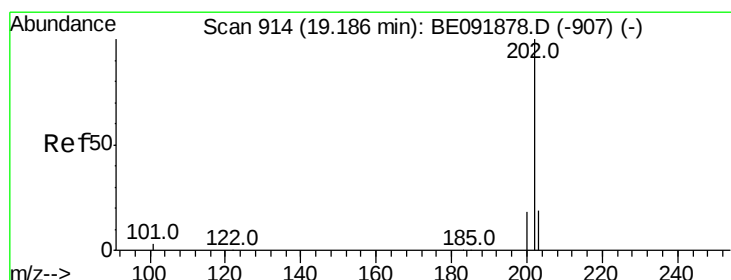
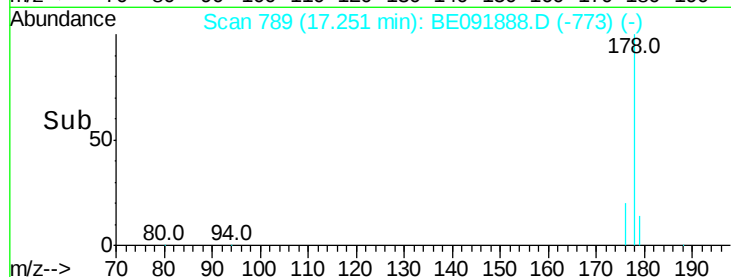
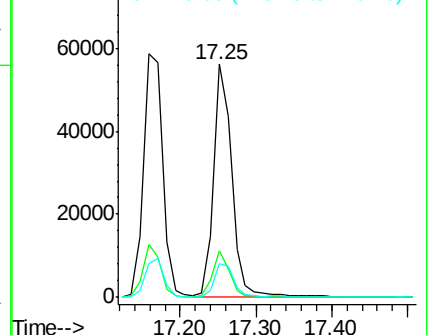
179 15.7 12.1 18.1



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: 2.70 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

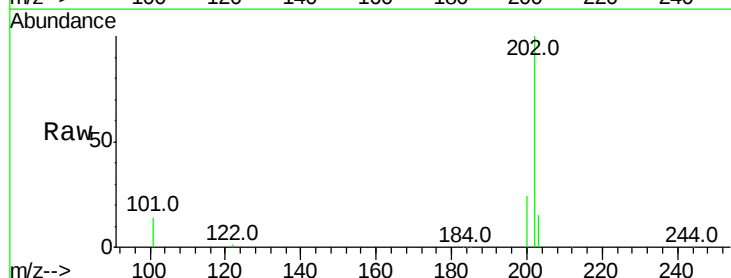
Tgt Ion:202 Resp: 104115

Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.0

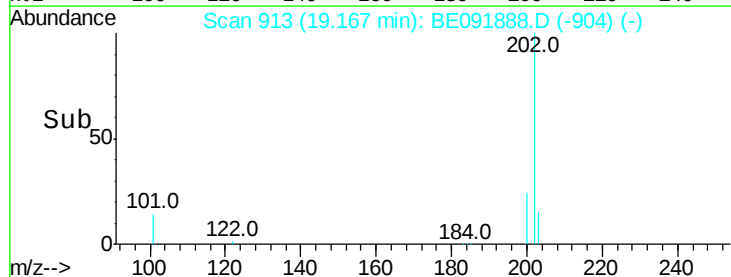
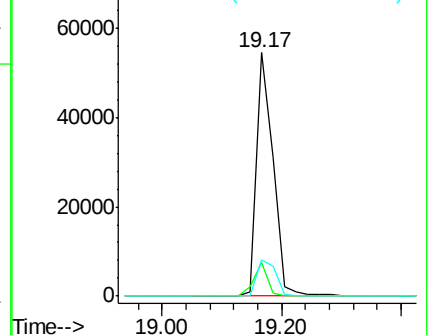
203 17.4 14.3 21.5

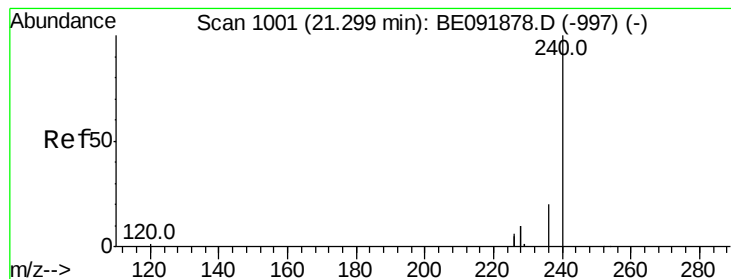


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

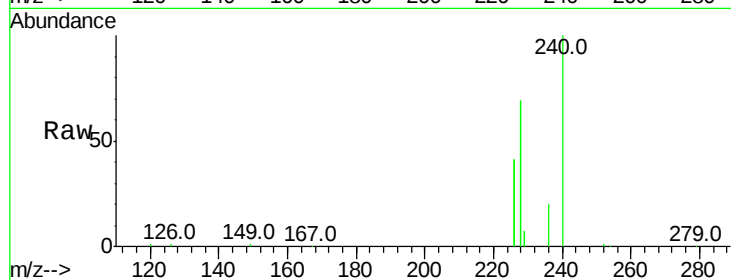
Tot Ion:240 Resp: 106971

Ion Ratio Lower Upper

240 100

120 0.8 1.2 1.8#

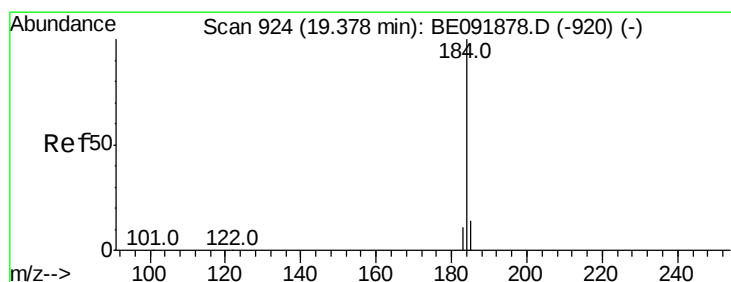
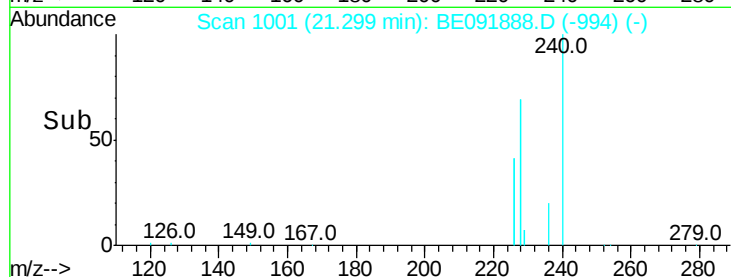
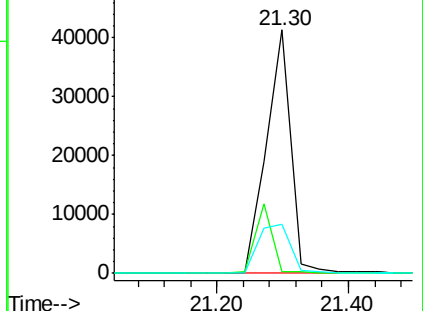
236 20.3 19.8 29.8



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: 0.97 ng

RT: 19.38 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

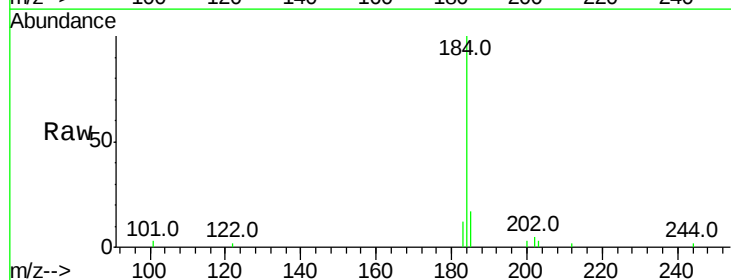
Tgt Ion:184 Resp: 7656

Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.2

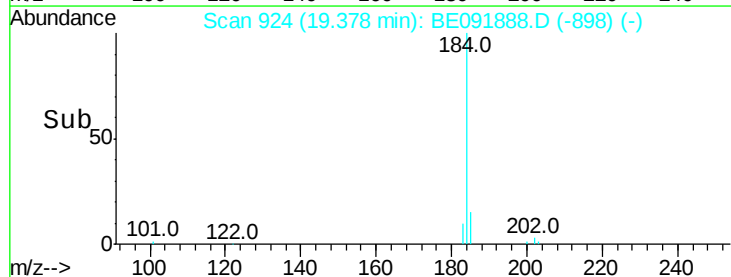
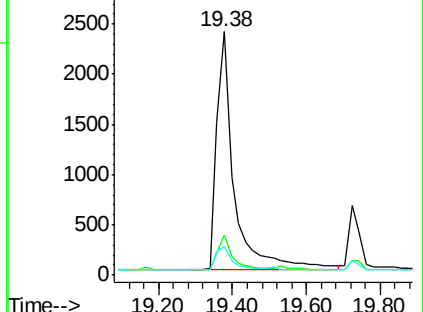
183 11.5 11.8 17.6#

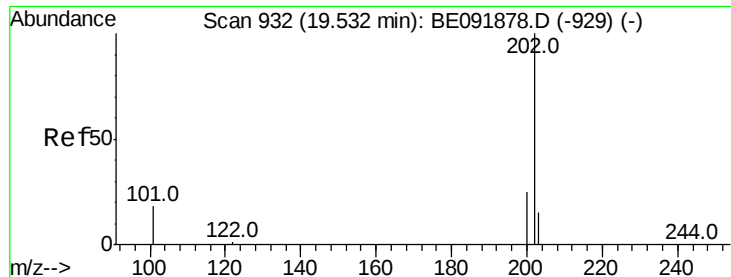


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

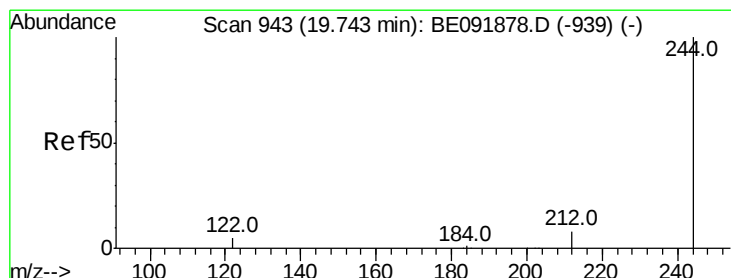
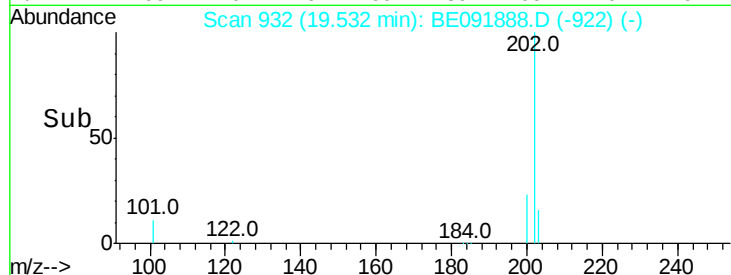
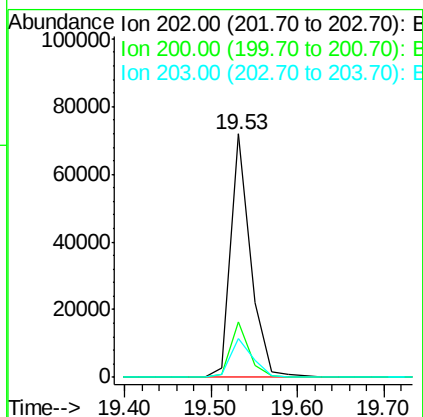
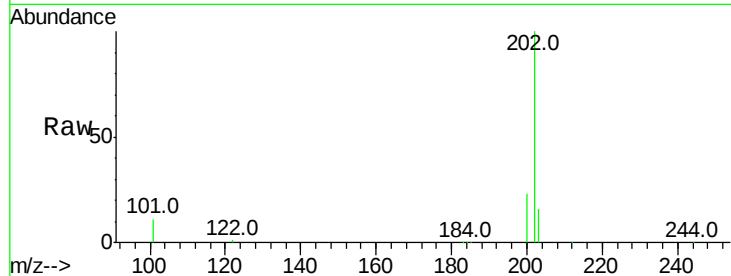




#33
Pvrene
Concen: 4.24 ng
RT: 19.53 min Scan# 932
Delta R.T. -0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

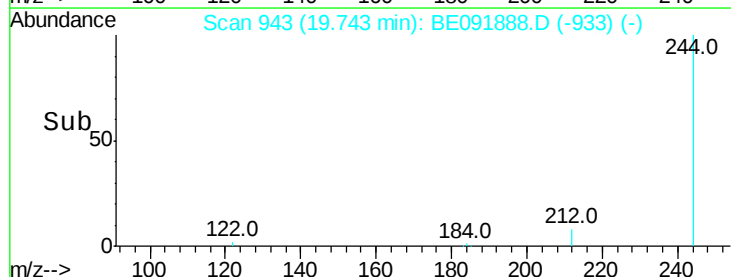
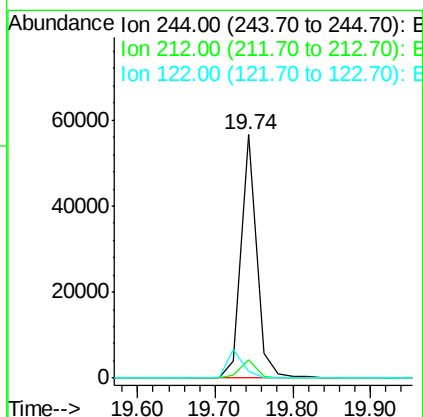
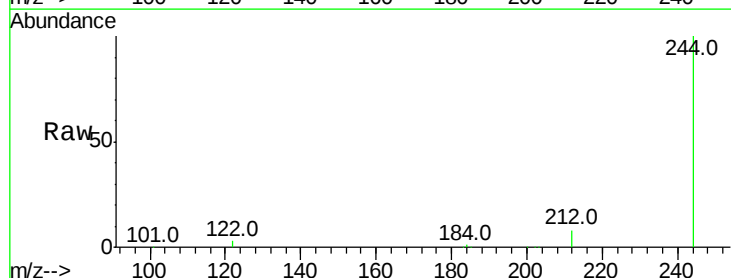
Instrument :
BNA_E
ClientSampleId :

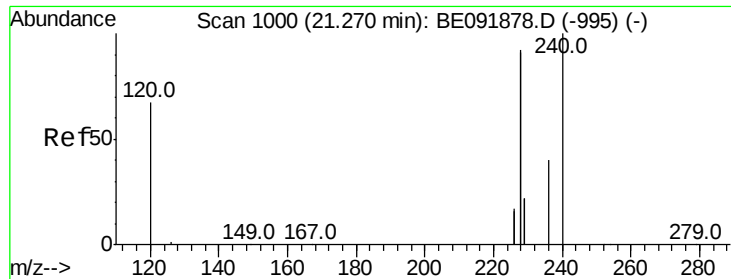
Tot Ion:202 Resp: 114491
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.8 14.1 21.1



#34
Terphenyl-d14
Concen: -5.00 ng
RT: 19.74 min Scan# 943
Delta R.T. 0.00 min
Lab File: BE091888.D
Acq: 7 Jun 2016 22:49

Tgt Ion:244 Resp: 78209
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 2.6 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 6.21 ng

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

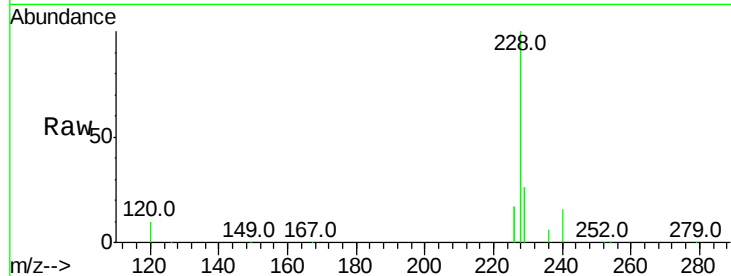
Tot Ion:228 Resp: 807601

Ion Ratio Lower Upper

228 100

226 17.0 21.0 31.4#

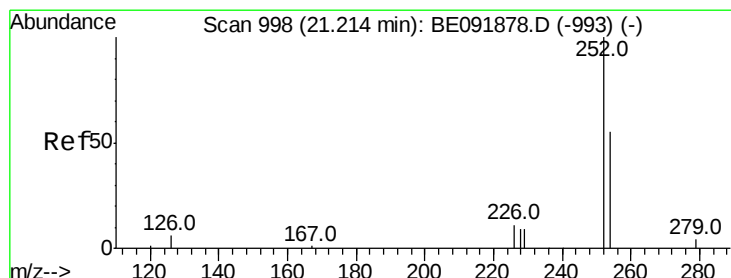
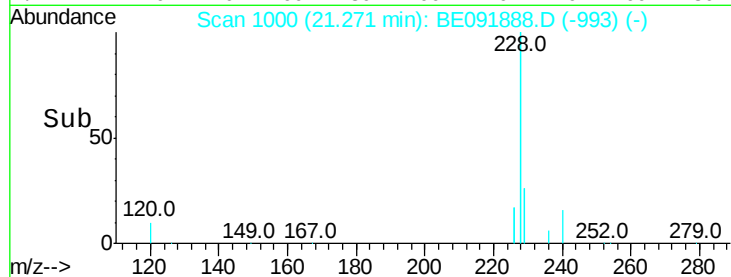
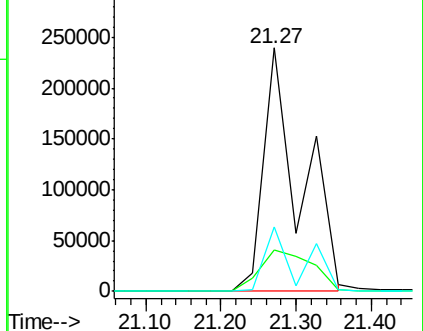
229 26.4 15.8 23.8#



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: 2.62 ng

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

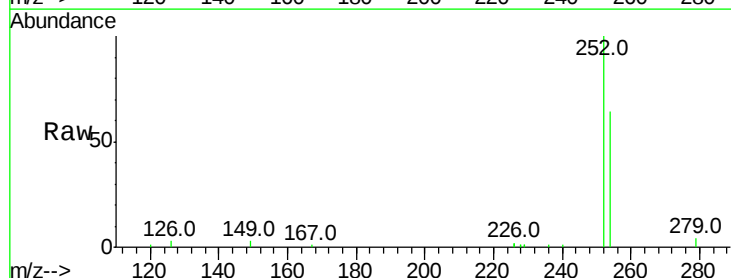
Tgt Ion:252 Resp: 22323

Ion Ratio Lower Upper

252 100

254 64.2 61.5 92.3

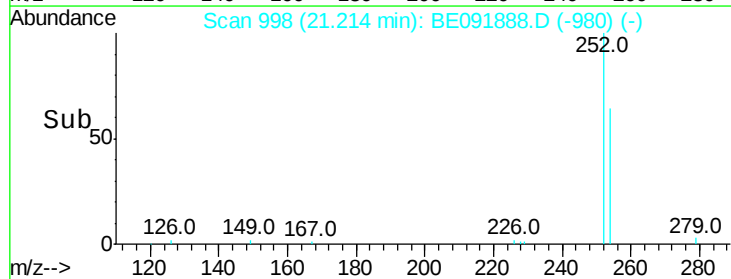
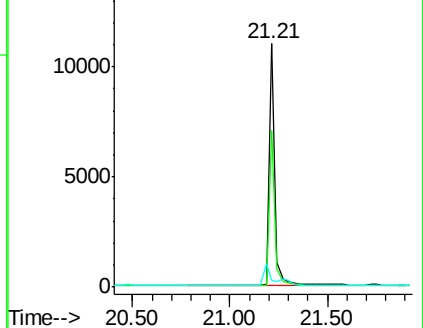
126 2.6 2.5 3.7

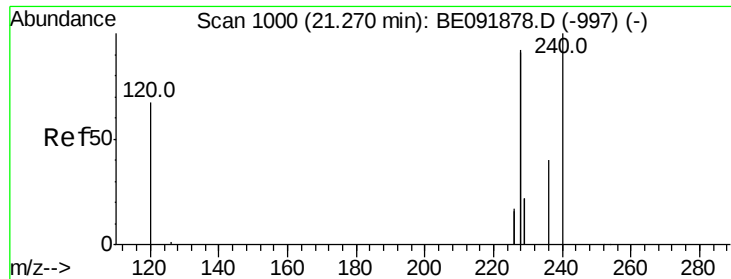


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.47 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

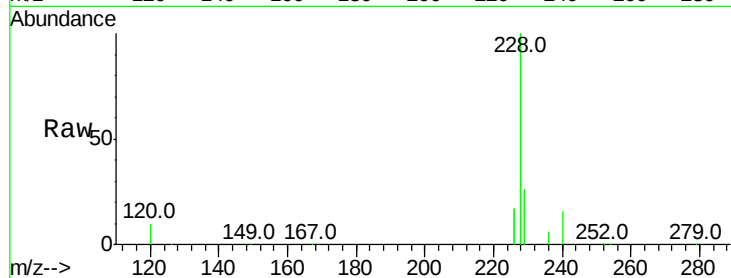
Tot Ion:228 Resp: 814845

Ion Ratio Lower Upper

228 100

226 17.0 27.0 40.6#

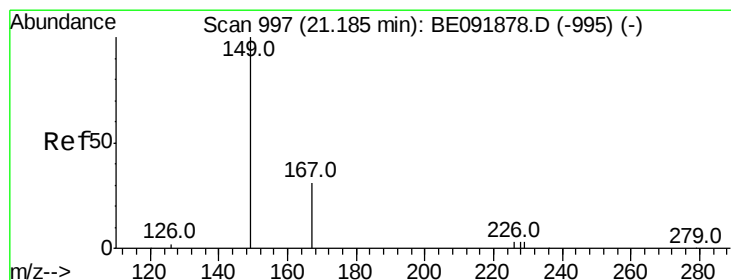
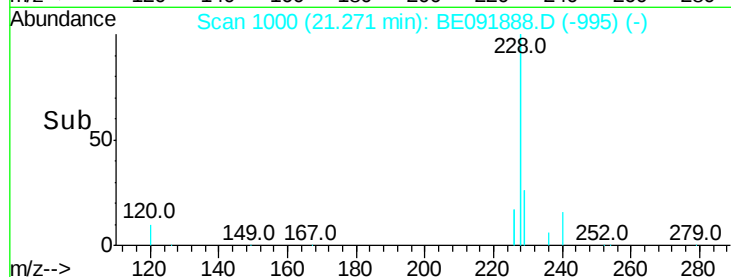
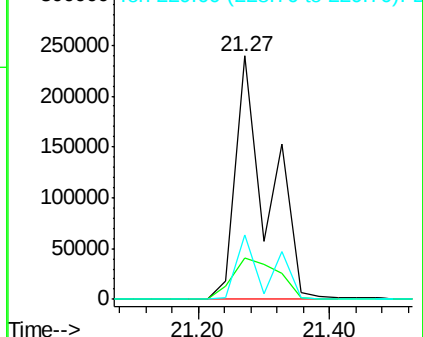
229 26.4 13.8 20.8#



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: 2.74 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

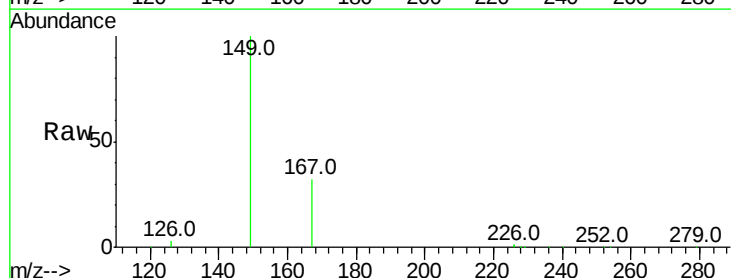
Tgt Ion:149 Resp: 52798

Ion Ratio Lower Upper

149 100

167 31.4 0.0 0.0#

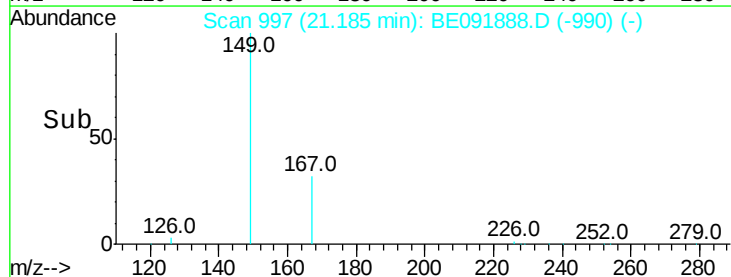
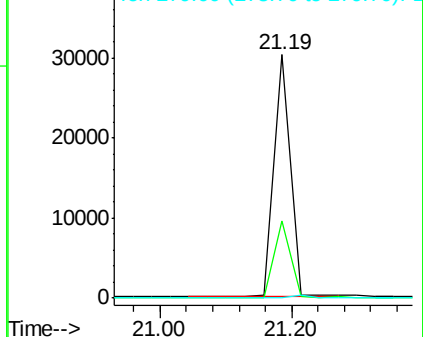
279 0.0 0.0 0.0

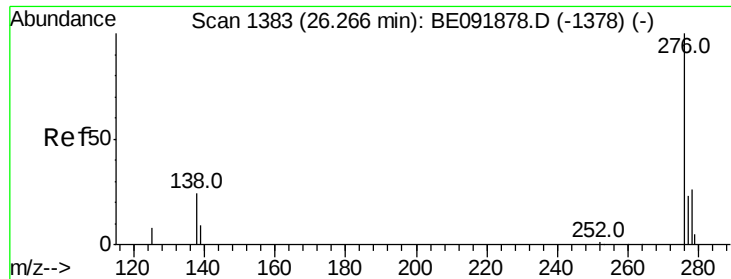


Abundance Ion 149.00 (148.70 to 149.70): E

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: Below Cal

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

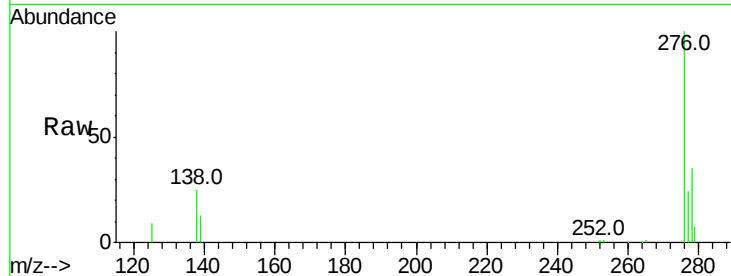
Tot Ion:276 Resp: 168246

Ion Ratio Lower Upper

276 100

138 25.5 19.7 29.5

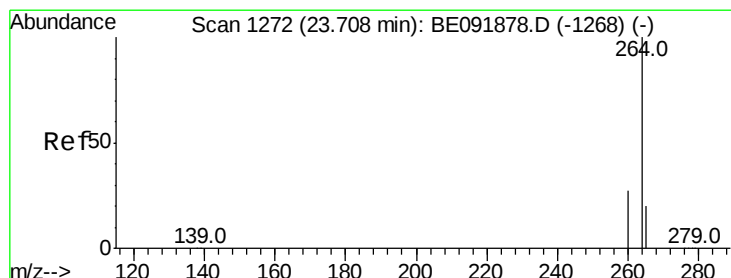
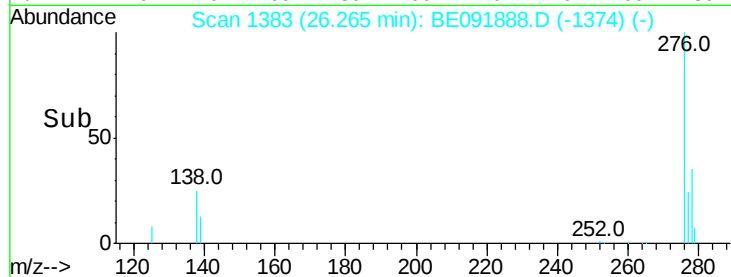
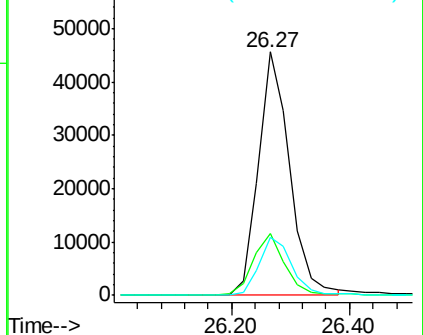
277 24.7 20.1 30.1



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: 23.71 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

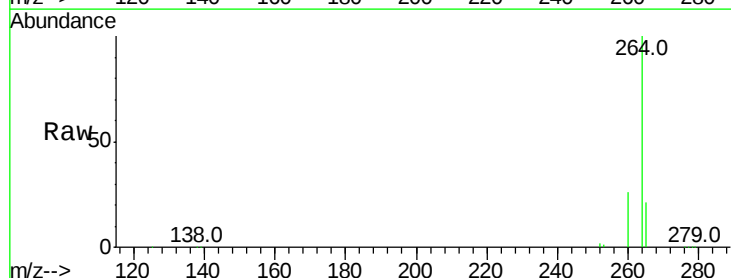
Tgt Ion:264 Resp: 166022

Ion Ratio Lower Upper

264 100

260 26.4 20.3 30.5

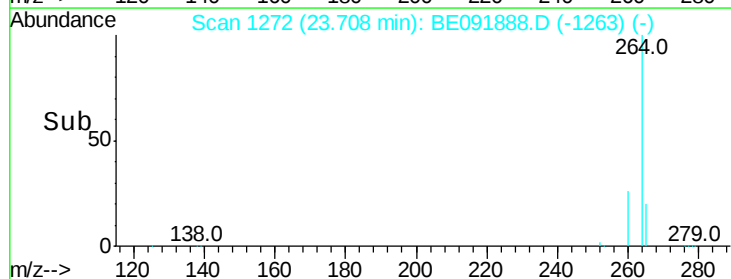
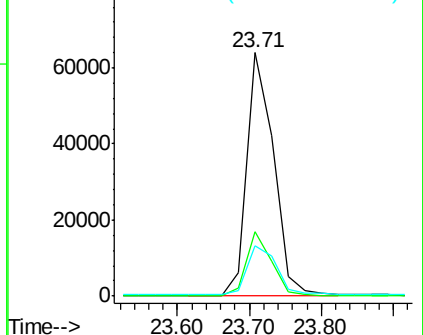
265 20.7 17.6 26.4

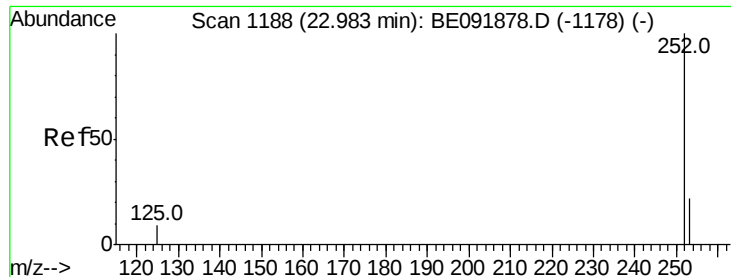


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.16 ng

RT: 22.98 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

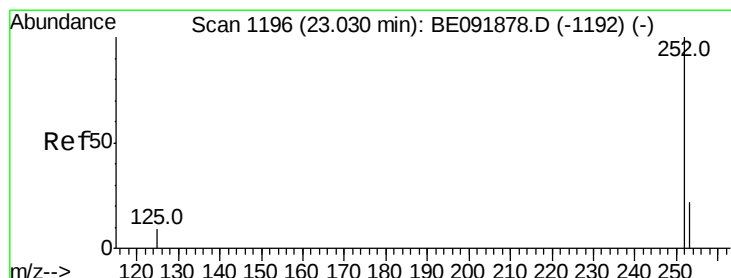
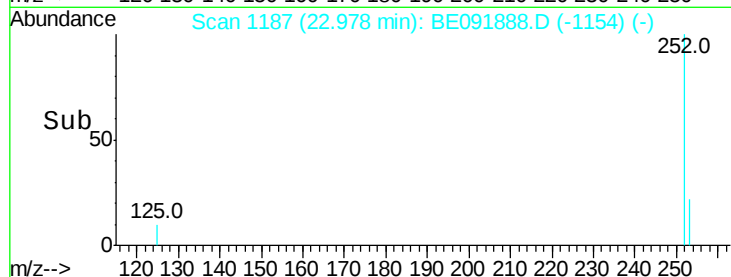
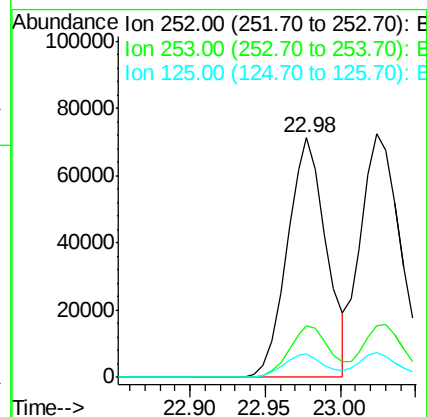
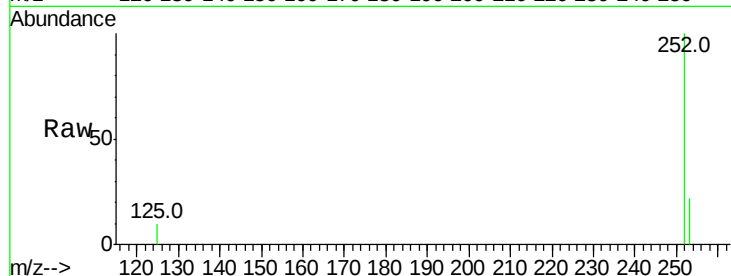
Tot Ion:252 Resp: 128240

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.7 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 3.26 ng

RT: 23.02 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

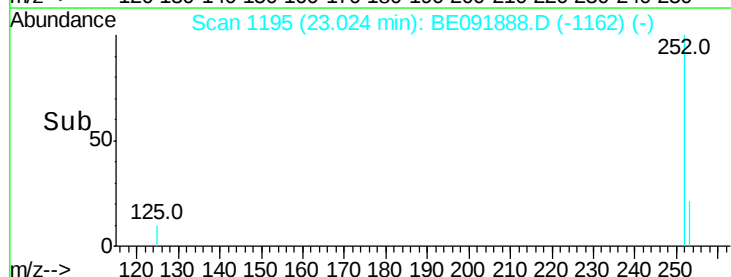
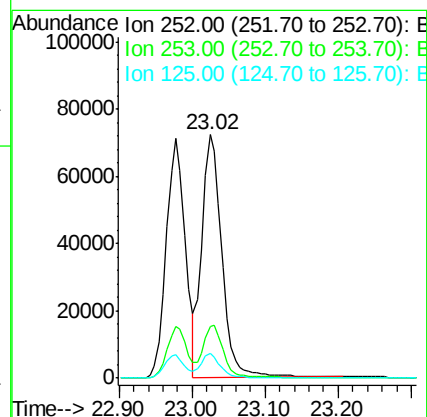
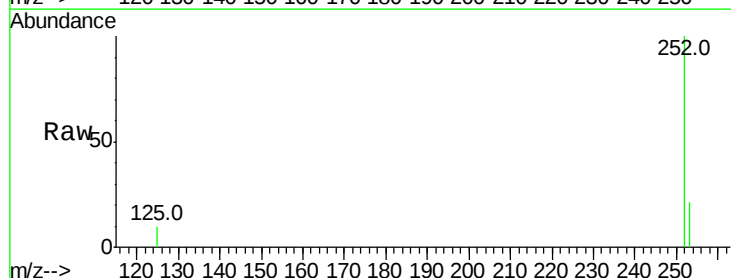
Tgt Ion:252 Resp: 137217

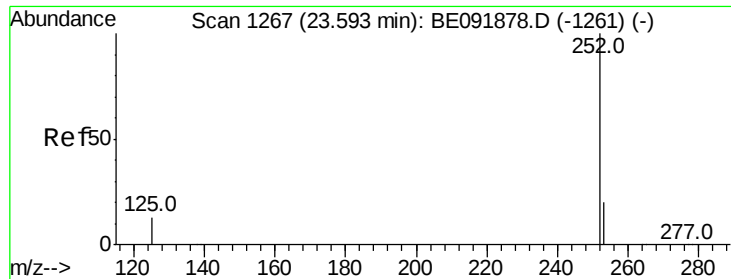
Ion Ratio Lower Upper

252 100

253 21.4 19.4 29.2

125 9.9 8.3 12.5





#43

Benzo(a)pyrene

Concen: 3.29 ng

RT: 23.59 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :

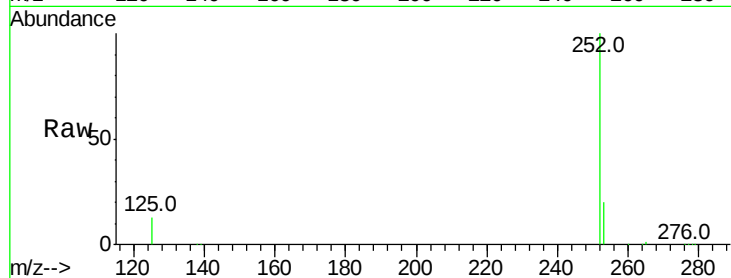
Tot Ion:252 Resp: 125252

Ion Ratio Lower Upper

252 100

253 20.0 18.9 28.3

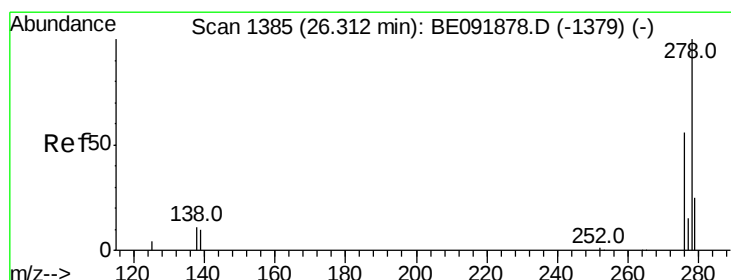
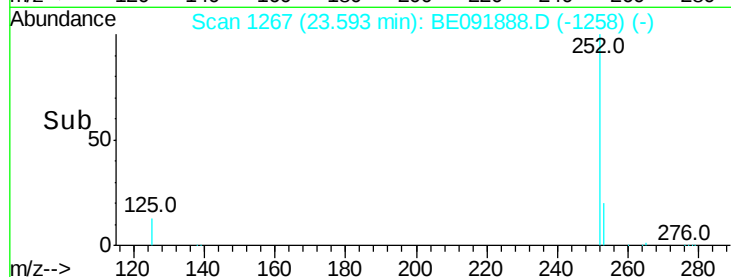
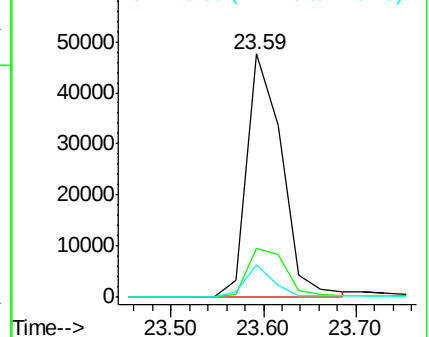
125 13.3 10.5 15.7



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: 4.01 ng

RT: 26.29 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

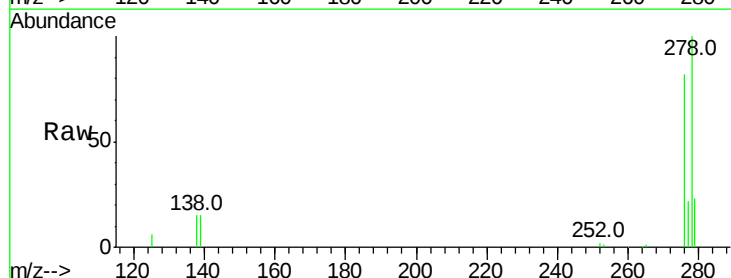
Tgt Ion:278 Resp: 142164

Ion Ratio Lower Upper

278 100

139 14.7 12.6 18.8

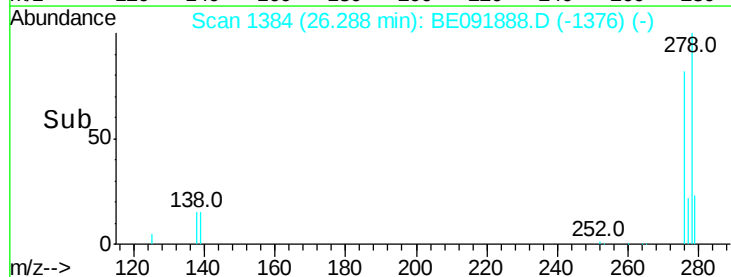
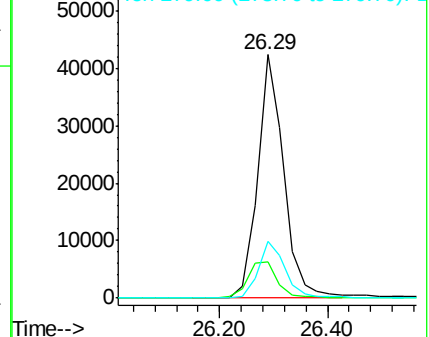
279 23.2 20.0 30.0

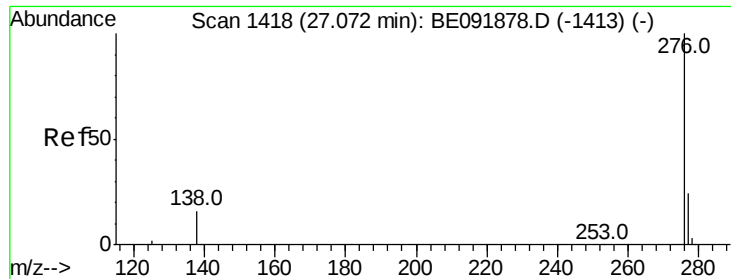


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.91 ng

RT: 27.05 min Scan# 1417

Delta R.T. -0.02 min

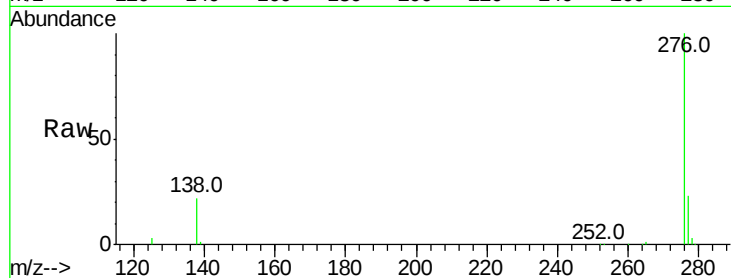
Lab File: BE091888.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 145450

Ion Ratio Lower Upper

276 100

277 23.3 19.5 29.3

138 22.4 17.7 26.5

