

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091897.D
 Acq On : 8 Jun 2016 4:26
 Operator : UM/SJ
 Sample : H3359-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:20:16 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	33727	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	151951	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	92950	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	293550	5.00	ng	0.00
31) Chrysene-d12	21.27	240	245870	5.00	ng	-0.03
40) Perylene-d12	23.71	264	319171	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	34738	4.83	ng	0.00
5) Phenol-d6	6.94	99	50307	5.65	ng	-0.02
9) Nitrobenzene-d5	8.91	82	27236	2.40	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	14334	5.41	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	71441	2.53	ng	0.00
34) Terphenyl-d14	19.74	244	128836	3.29	ng	0.00

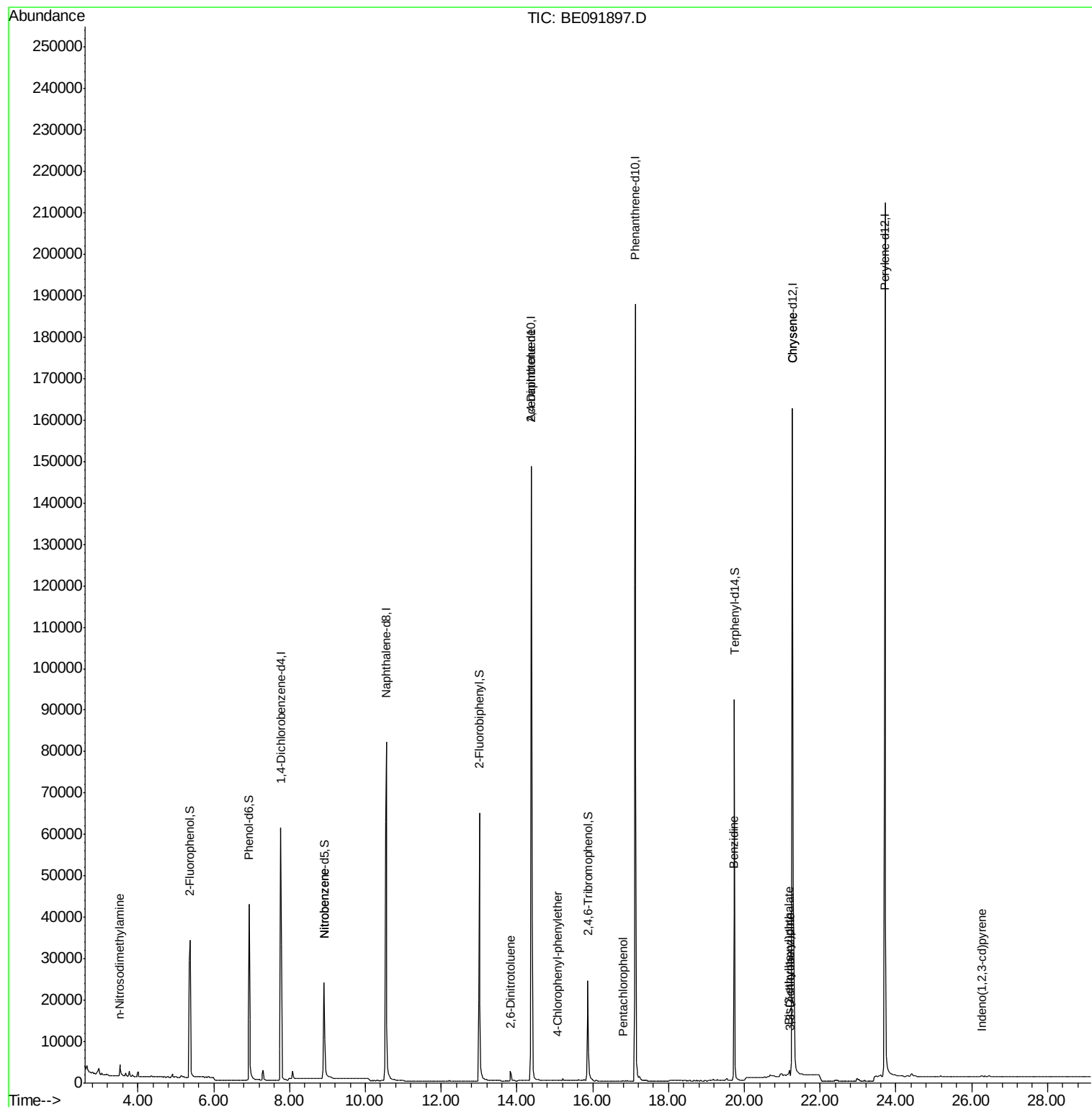
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.52	42	810	0.14	ng	# 1
10) Nitrobenzene	8.91	77	109	0.06	ng	# 37
19) 2,6-Dinitrotoluene	13.84	165	1683	0.40	ng	# 2
21) 2,4-Dinitrotoluene	14.38	165	11825	1.76	ng	# 1
23) 4-Chlorophenyl-phenylether	15.08	204	584	0.04	ng	# 1
27) Pentachlorophenol	16.80	266	92	0.07	ng	# 78
32) Benzydine	19.72	184	2275	0.21	ng	# 90
35) Benzo(a)anthracene	21.27	228	9047	Below Cal		# 81
36) 3,3'-Dichlorobenzidine	21.21	252	116	0.11	ng	# 87
37) Chrysene	21.27	228	9340	0.04	ng	# 72
38) Bis(2-ethylhexyl)phthalate	21.19	149	2266	0.17	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	383	0.05	ng	# 74

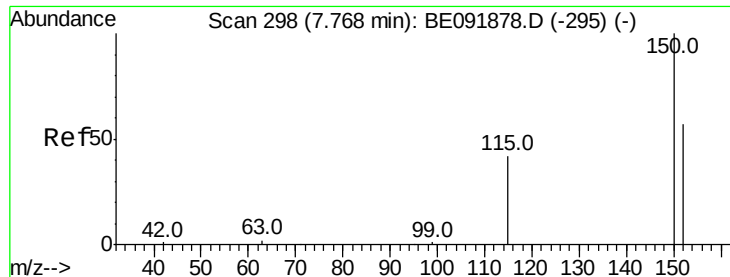
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

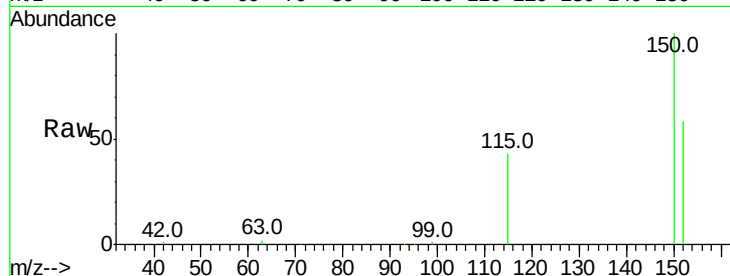
Tot Ion:152 Resp: 33727

Ion Ratio Lower Upper

152 100

150 173.3 123.9 185.9

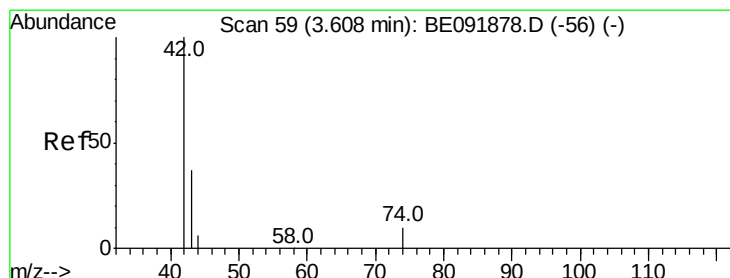
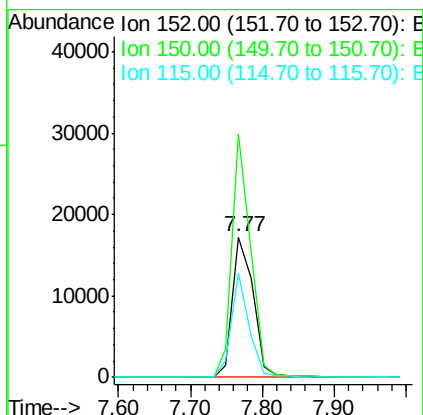
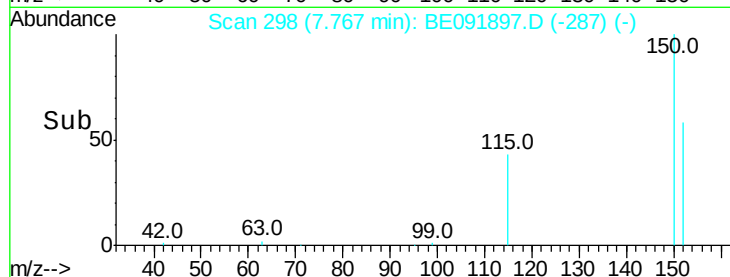
115 74.1 48.3 72.5#



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



#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.52 min Scan# 54

Delta R.T. -0.09 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

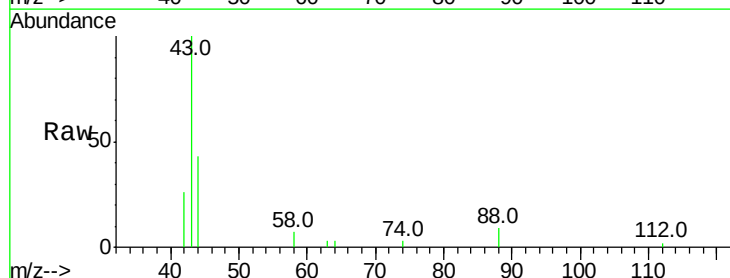
Tgt Ion: 42 Resp: 810

Ion Ratio Lower Upper

42 100

74 1.5 93.4 140.0#

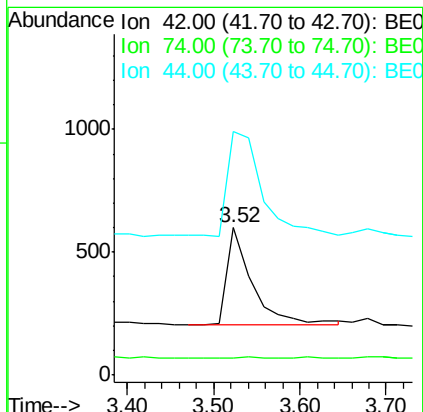
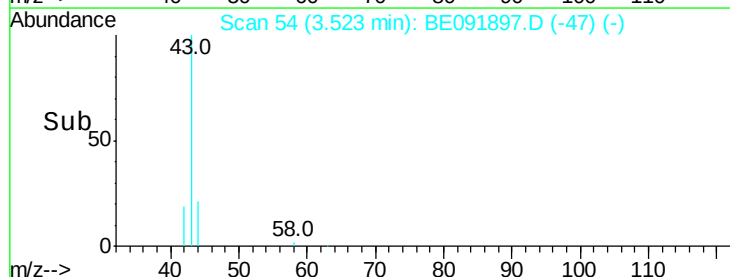
44 144.6 5.0 7.6#

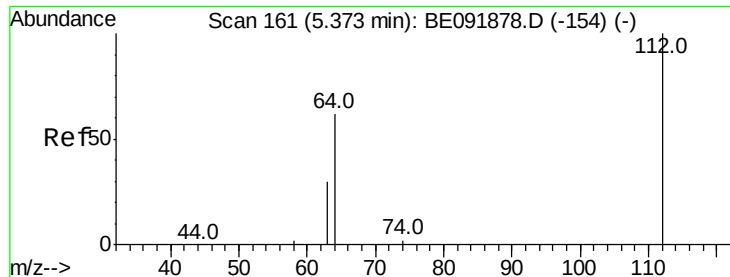


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.83 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

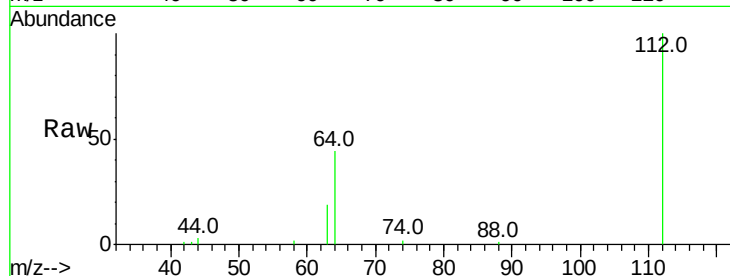
Tot Ion:112 Resp: 34738

Ion Ratio Lower Upper

112 100

64 66.9 53.7 80.5

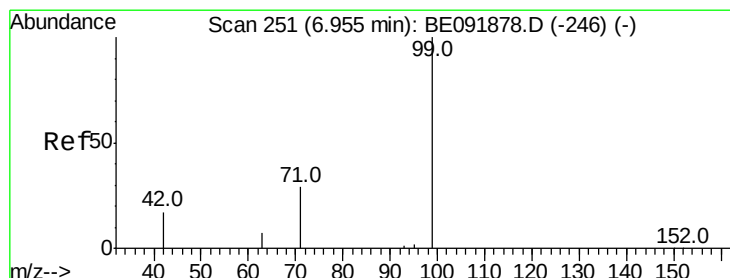
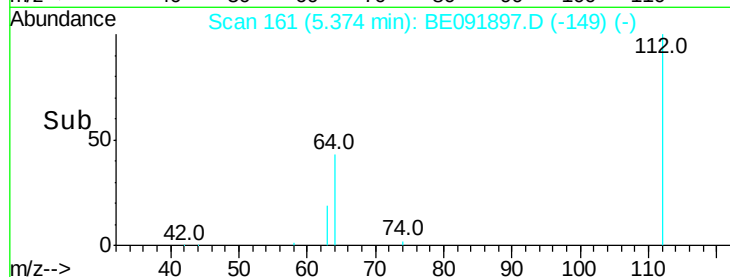
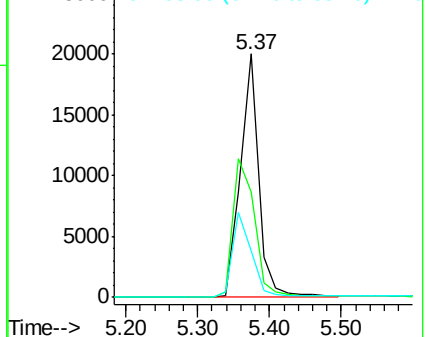
63 36.1 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 5.65 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

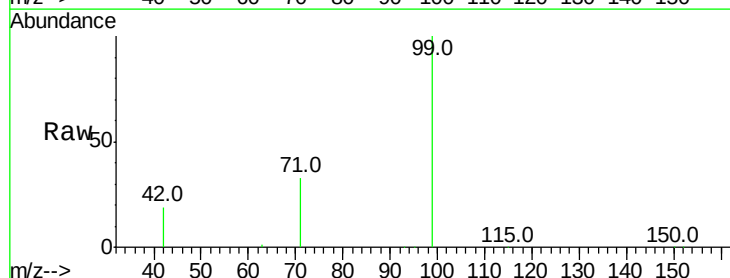
Tgt Ion: 99 Resp: 50307

Ion Ratio Lower Upper

99 100

42 23.9 19.6 29.4

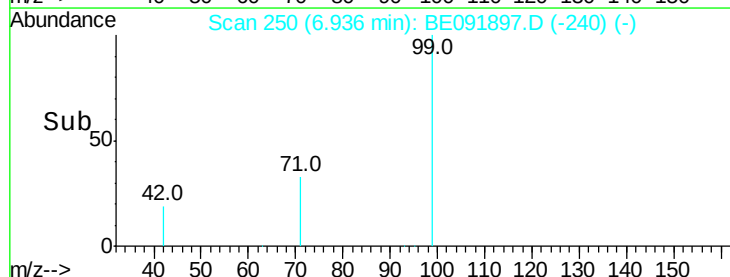
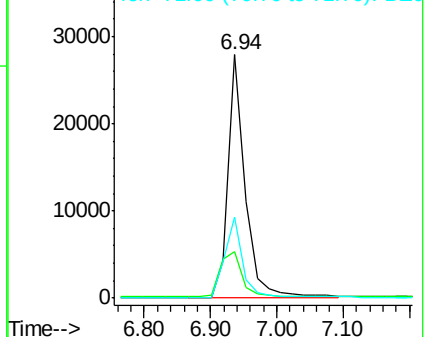
71 35.0 28.1 42.1

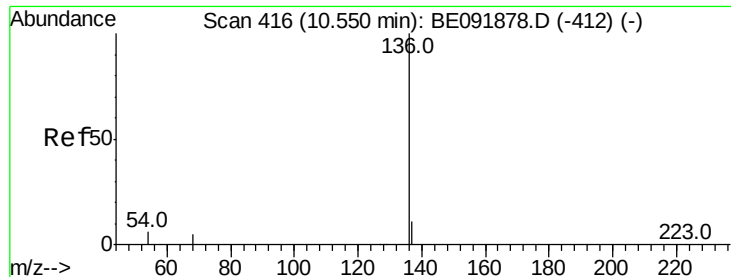


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 151951

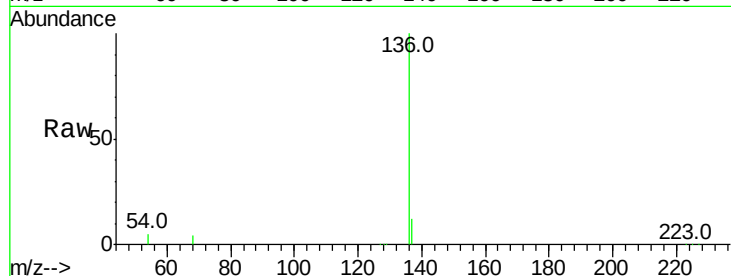
Ion Ratio Lower Upper

136 100

137 11.8 8.3 12.5

54 4.9 8.2 12.4#

68 4.0 5.9 8.9#

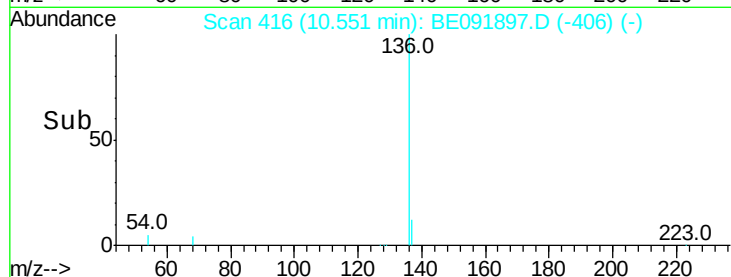


Abundance Ion 136.00 (135.70 to 136.70): E

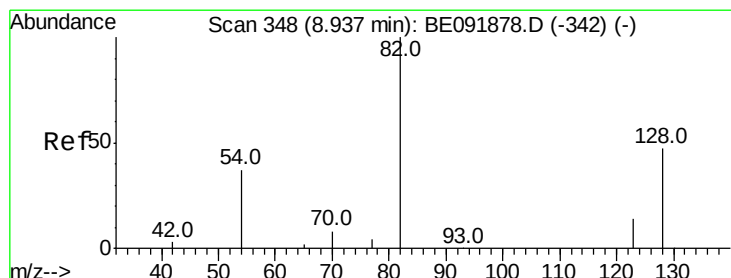
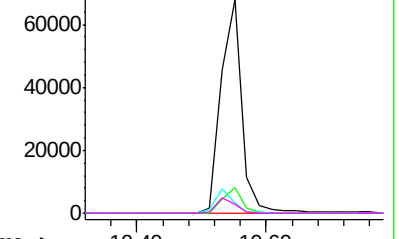
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#9

Nitrobenzene-d5

Concen: 2.40 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

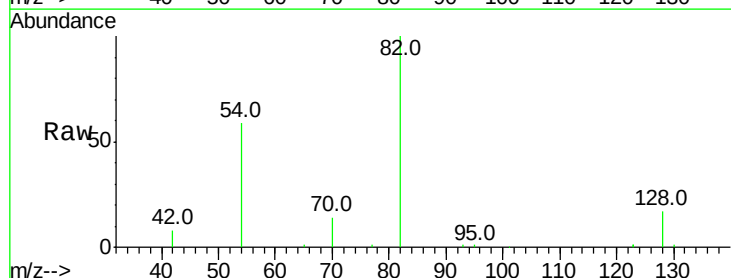
Tgt Ion: 82 Resp: 27236

Ion Ratio Lower Upper

82 100

128 16.6 39.5 59.3#

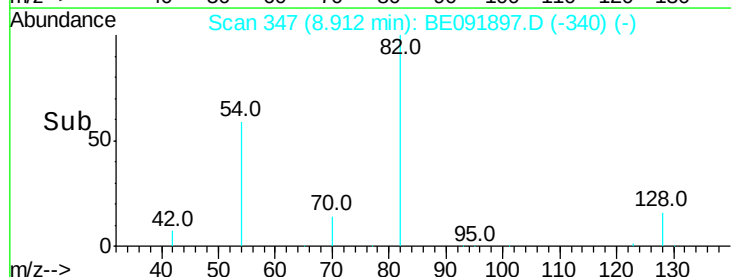
54 59.1 30.3 45.5#



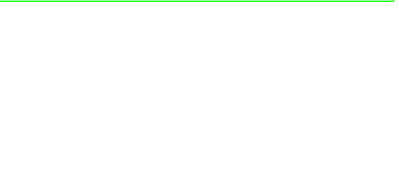
Abundance Ion 82.00 (81.70 to 82.70): BE0

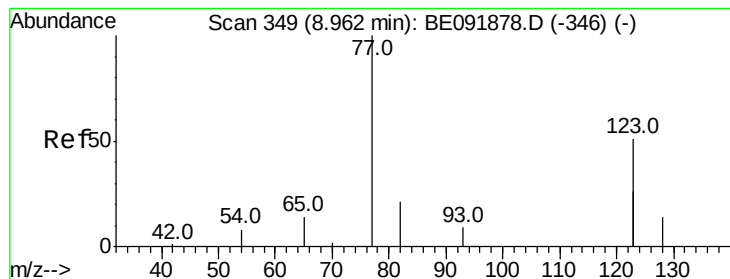
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#10

Nitrobenzene

Concen: 0.06 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.05 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

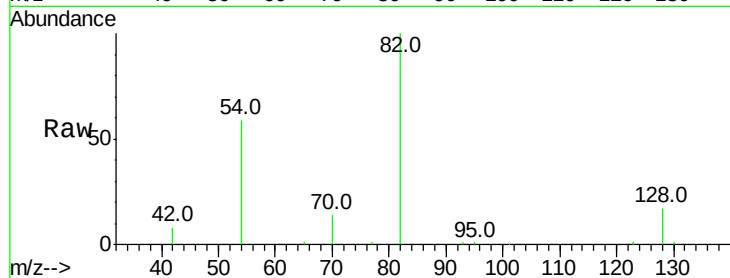
Tot Ion: 77 Resp: 109

Ion Ratio Lower Upper

77 100

123 24.8 0.0 0.0#

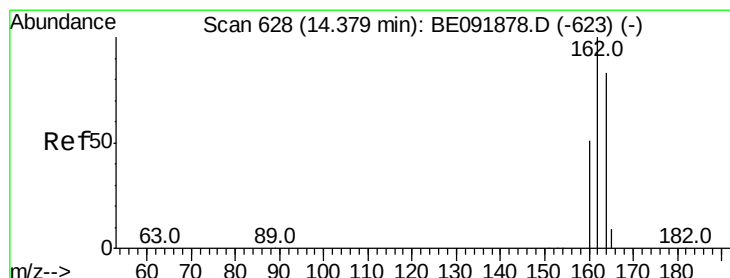
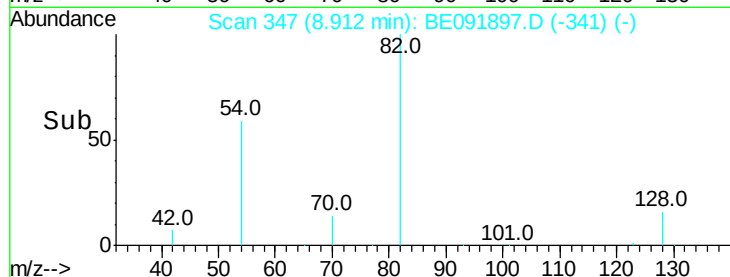
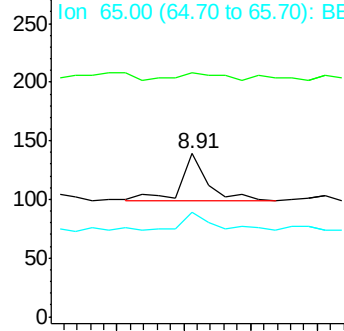
65 39.4 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BE091878.D (-346) (-)

Ion 123.00 (122.70 to 123.70): BE091878.D (-346) (-)

Ion 65.00 (64.70 to 65.70): BE091878.D (-346) (-)



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

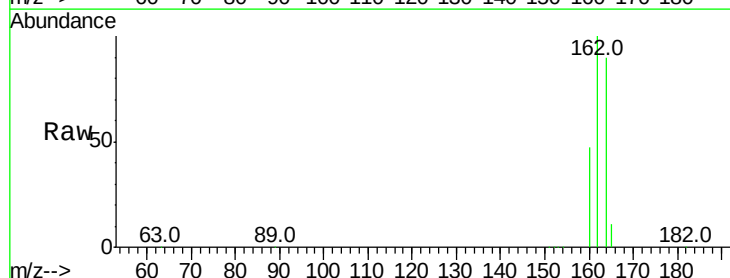
Tgt Ion: 164 Resp: 92950

Ion Ratio Lower Upper

164 100

162 111.6 71.8 107.8#

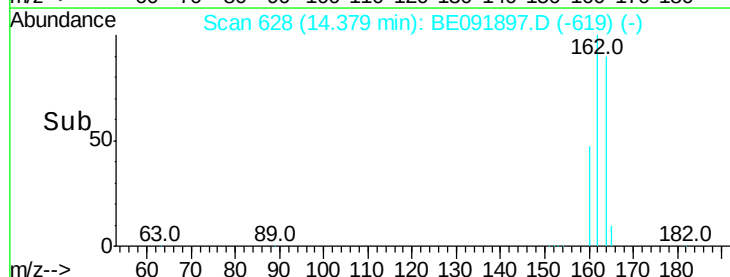
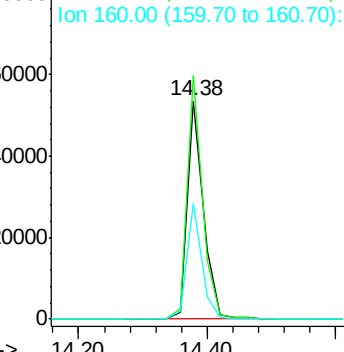
160 53.0 28.0 42.0#

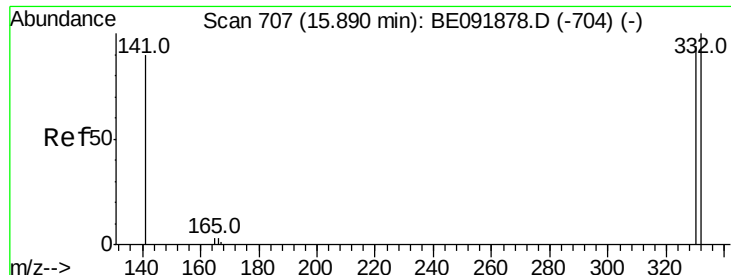


Abundance Ion 164.00 (163.70 to 164.70): BE091878.D (-623) (-)

Ion 162.00 (161.70 to 162.70): BE091878.D (-623) (-)

Ion 160.00 (159.70 to 160.70): BE091878.D (-623) (-)

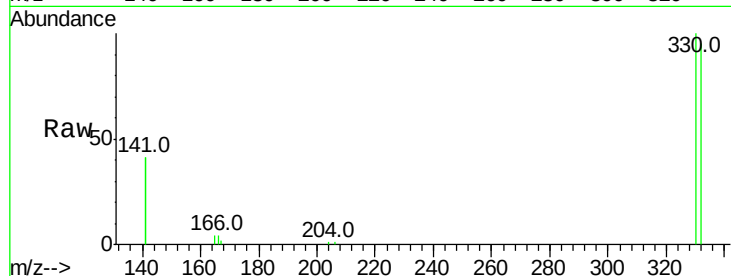




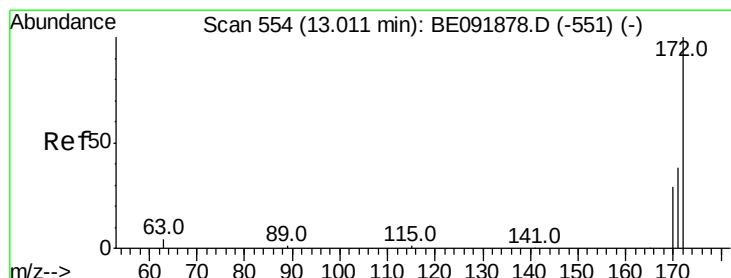
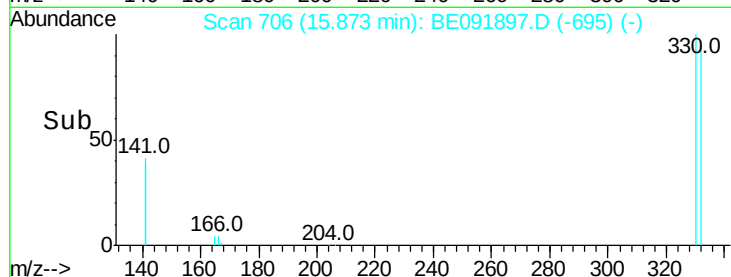
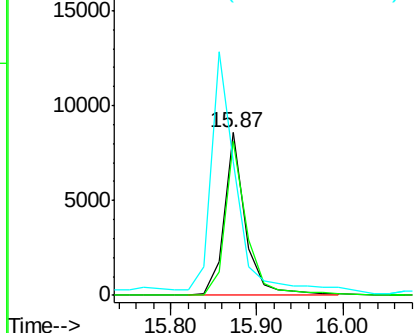
#16
 2,4,6-Tribromophenol
 Concen: 5.41 ng
 RT: 15.87 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BE091897.D
 Acq: 8 Jun 2016 4:26

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 14334
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 166.3 138.4 207.6

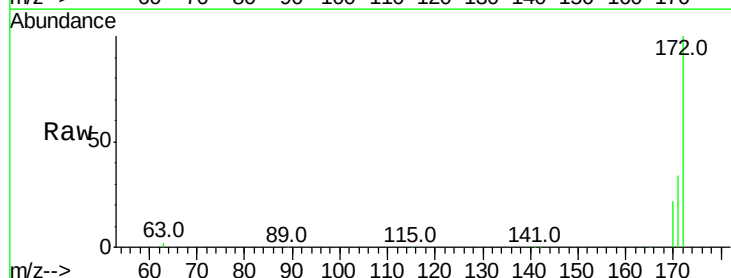


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

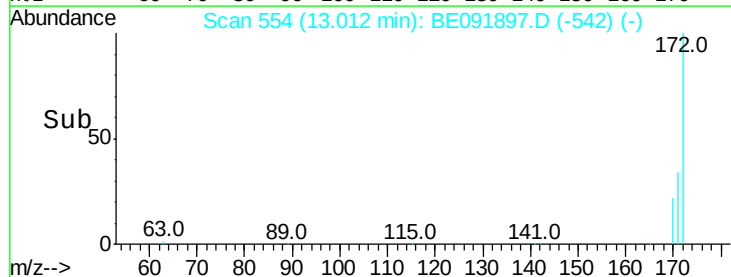
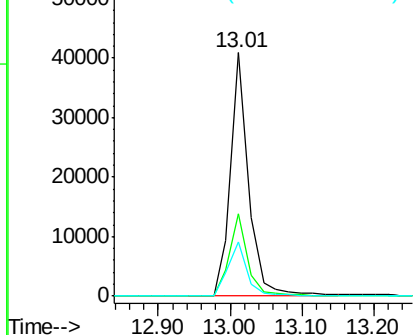


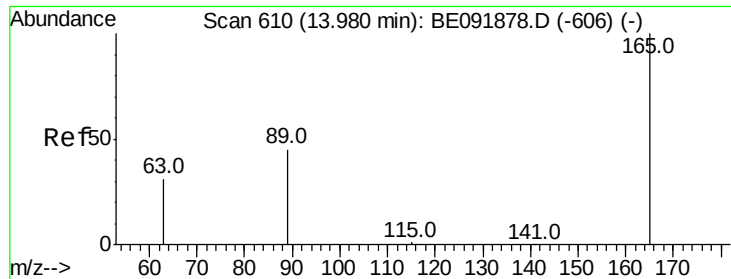
#17
 2-Fluorobiphenyl
 Concen: 2.53 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091897.D
 Acq: 8 Jun 2016 4:26

Tgt Ion:172 Resp: 71441
 Ion Ratio Lower Upper
 172 100
 171 33.9 24.3 36.5
 170 22.4 14.9 22.3#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

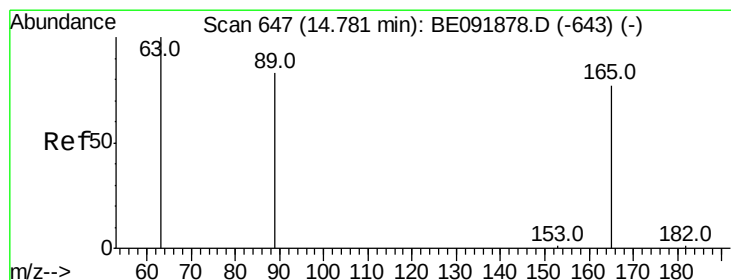
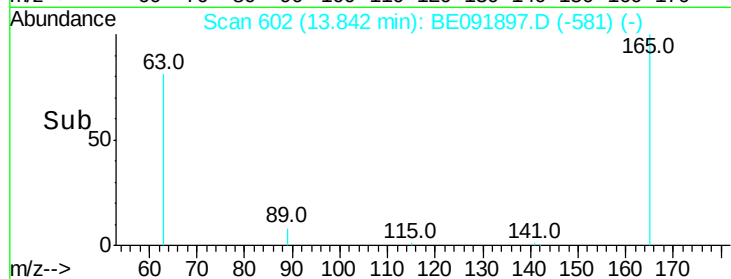
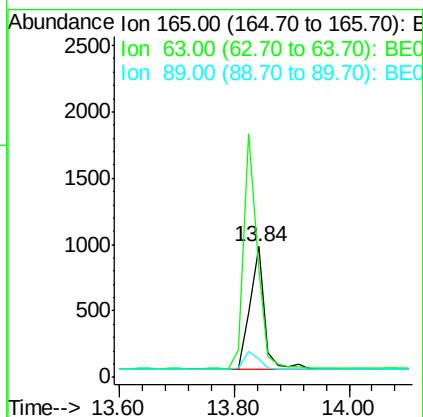
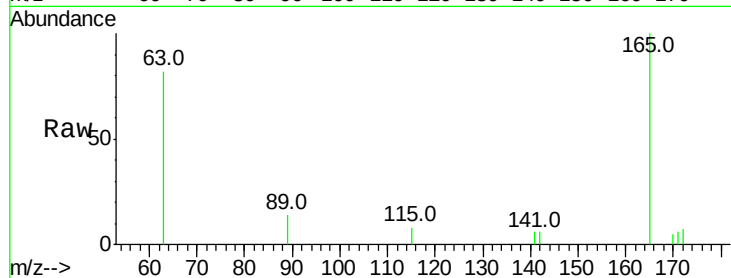




#19
2,6-Dinitrotoluene
Concen: 0.40 ng
RT: 13.84 min Scan# 602
Delta R.T. -0.14 min
Lab File: BE091897.D
Acq: 8 Jun 2016 4:26

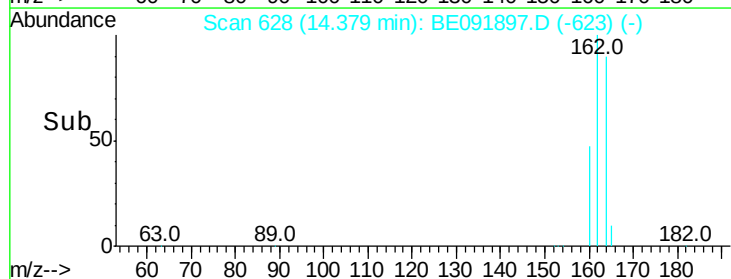
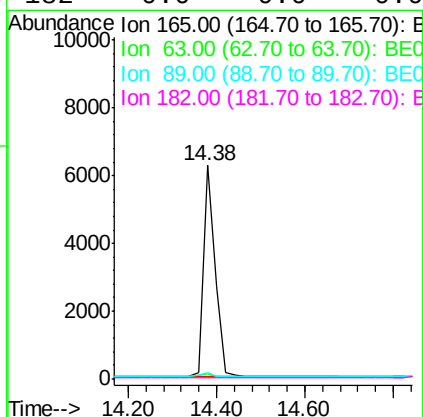
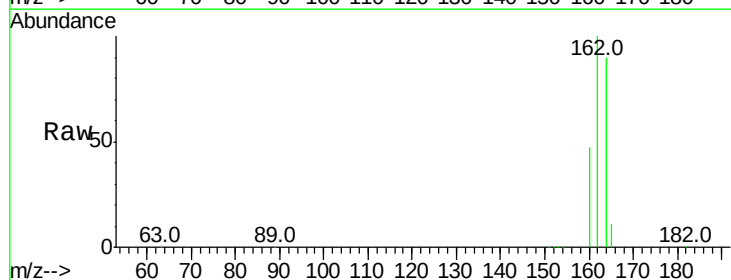
Instrument :
BNA_E
ClientSampleId :

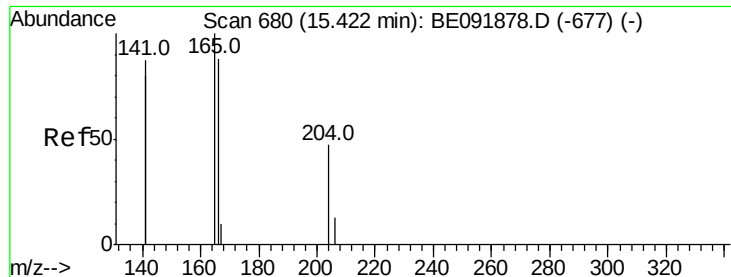
Tot Ion:165 Resp: 1683
Ion Ratio Lower Upper
165 100
63 194.4 65.9 98.9#
89 16.4 59.1 88.7#



#21
2,4-Dinitrotoluene
Concen: 1.76 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.40 min
Lab File: BE091897.D
Acq: 8 Jun 2016 4:26

Tgt Ion:165 Resp: 11825
Ion Ratio Lower Upper
165 100
63 1.5 0.0 0.0#
89 2.0 99.8 149.8#
182 0.0 0.0 0.0





#23

4-Chlorophenyl-phenylether

Concen: 0.04 ng

RT: 15.08 min Scan# 660

Delta R.T. -0.35 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

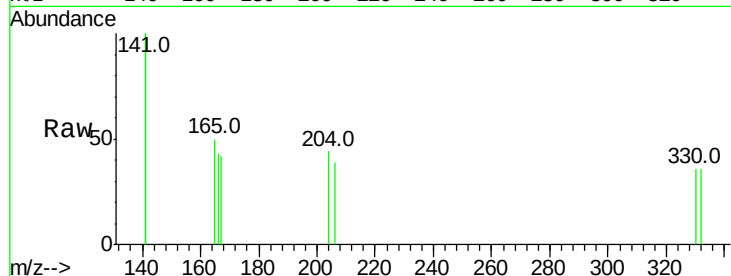
Tot Ion:204 Resp: 584

Ion Ratio Lower Upper

204 100

206 0.0 27.8 41.6#

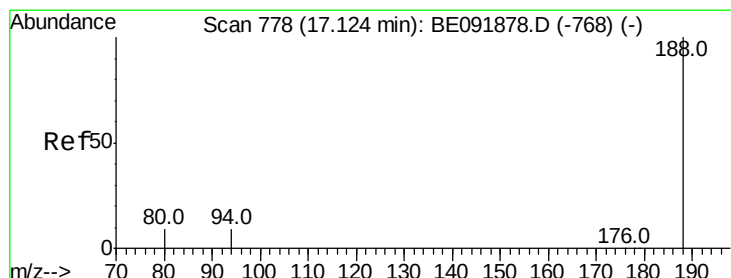
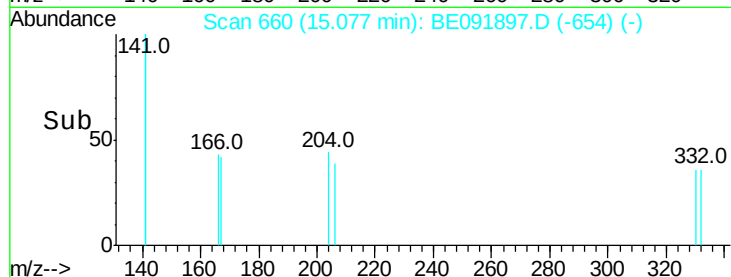
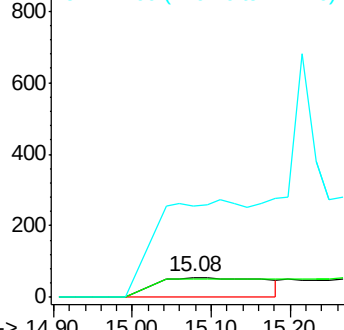
141 0.0 197.6 296.4#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.12 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

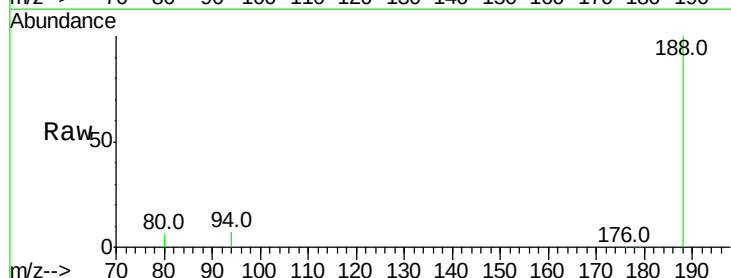
Tgt Ion:188 Resp: 293550

Ion Ratio Lower Upper

188 100

94 6.9 4.1 6.1#

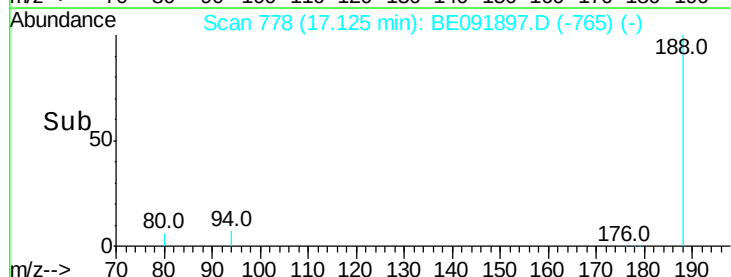
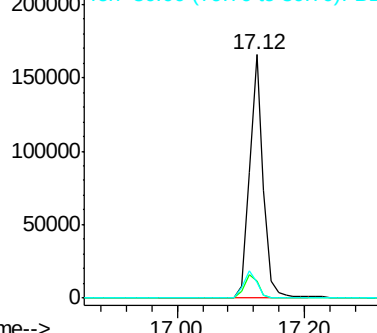
80 6.3 3.4 5.2#

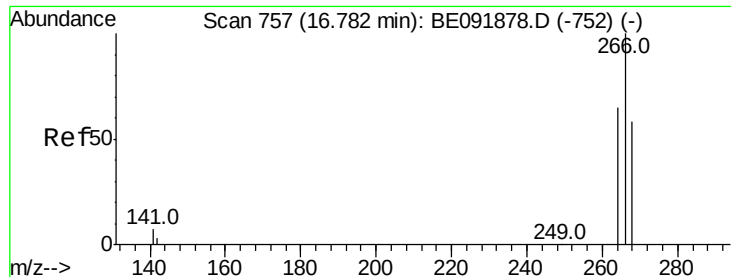


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#27

Pentachlorophenol

Concen: 0.07 ng

RT: 16.80 min Scan# 758

Delta R.T. 0.02 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

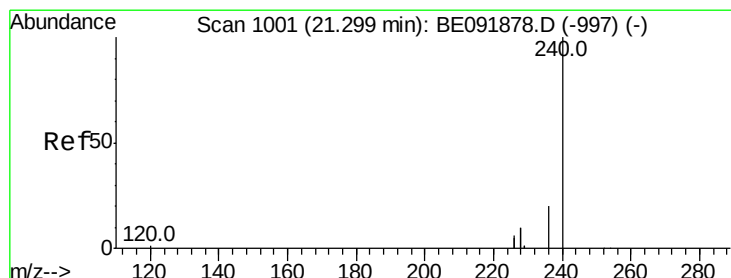
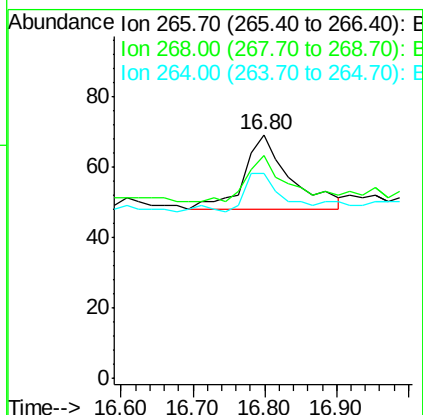
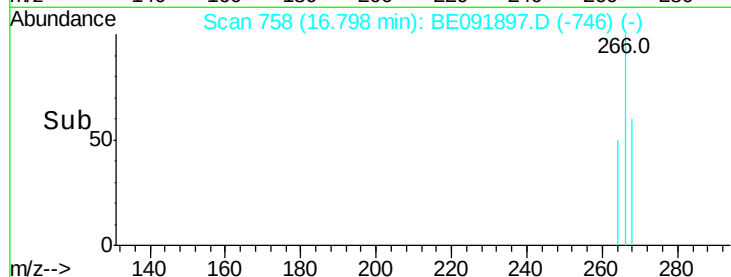
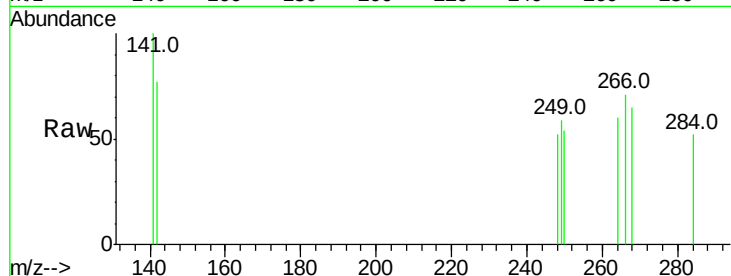
Tot Ion:266 Resp: 92

Ion Ratio Lower Upper

266 100

268 91.3 60.5 90.7#

264 84.1 51.0 76.4#



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.03 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

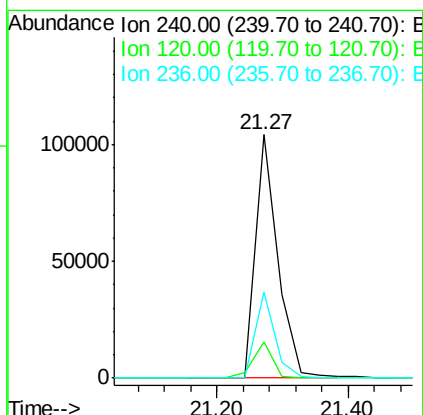
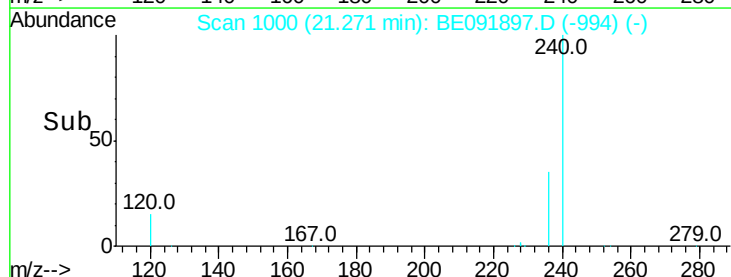
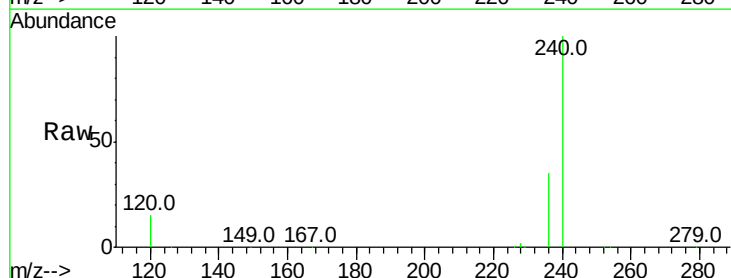
Tgt Ion:240 Resp: 245870

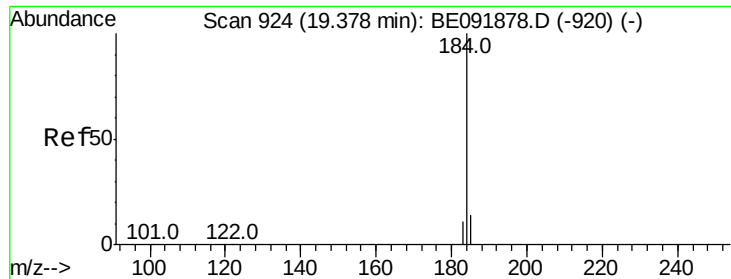
Ion Ratio Lower Upper

240 100

120 15.1 1.2 1.8#

236 35.2 19.8 29.8#





#32

Benzidine

Concen: 0.21 ng

RT: 19.72 min Scan# 942

Delta R.T. 0.35 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

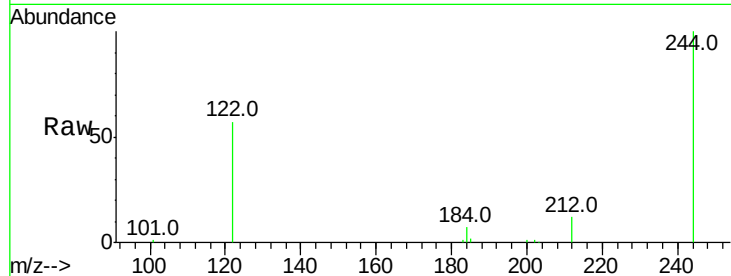
Tot Ion:184 Resp: 2275

Ion Ratio Lower Upper

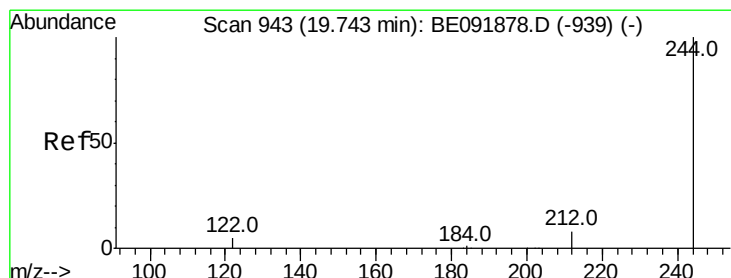
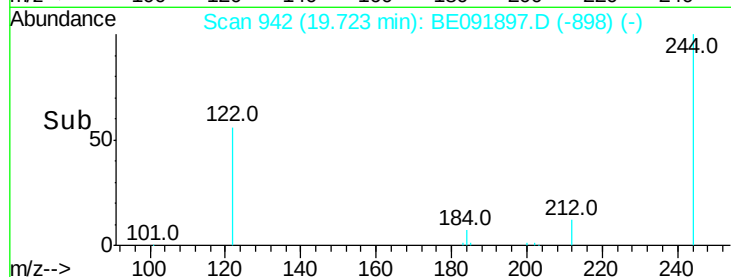
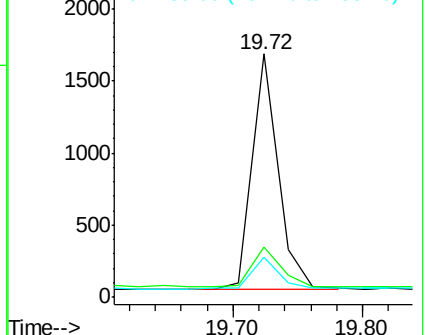
184 100

185 20.7 11.4 17.2#

183 16.4 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



#34

Terphenyl-d14

Concen: 3.29 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

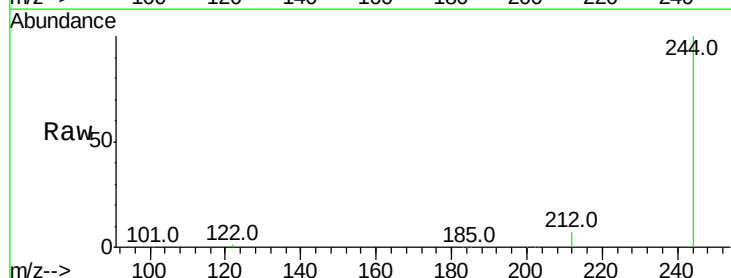
Tgt Ion:244 Resp: 128836

Ion Ratio Lower Upper

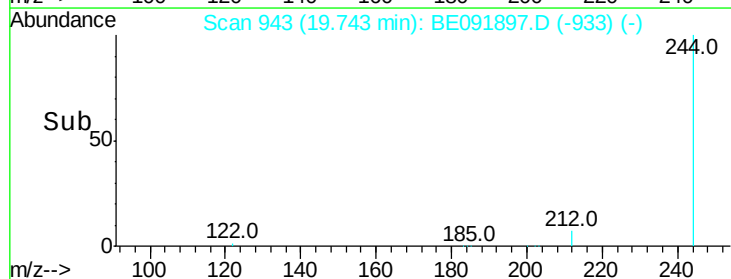
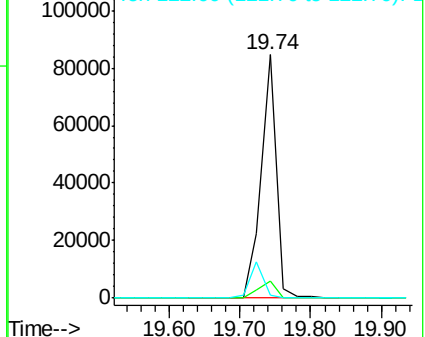
244 100

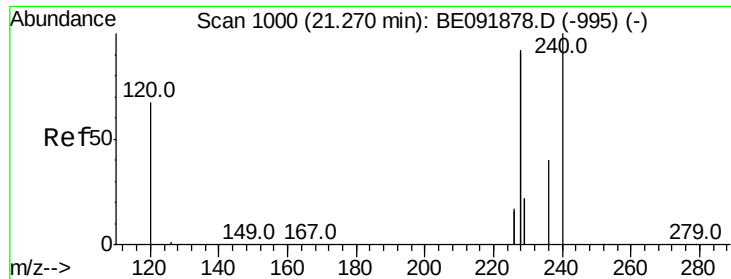
212 7.1 6.5 9.7

122 1.1 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: Below Cal

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

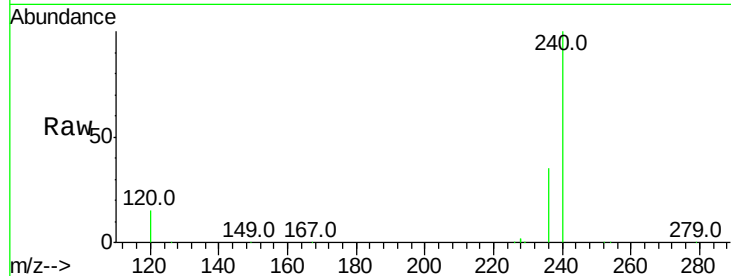
Tot Ion:228 Resp: 9047

Ion Ratio Lower Upper

228 100

226 18.3 21.0 31.4#

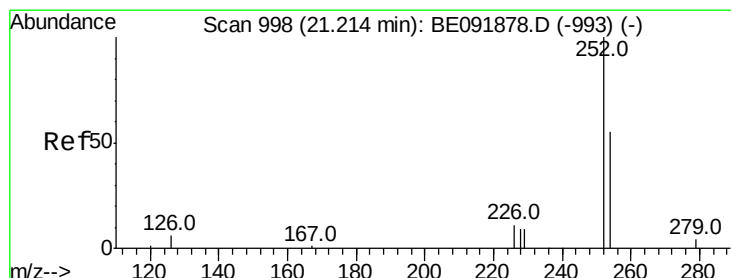
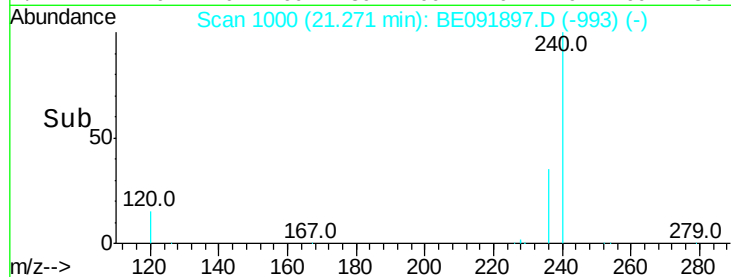
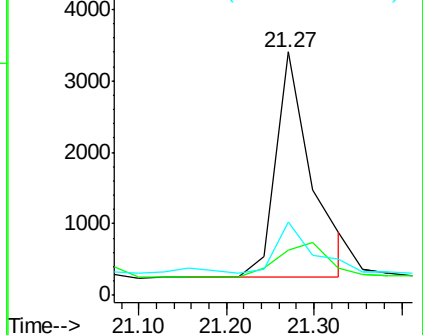
229 30.4 15.8 23.8#



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: 0.11 ng

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

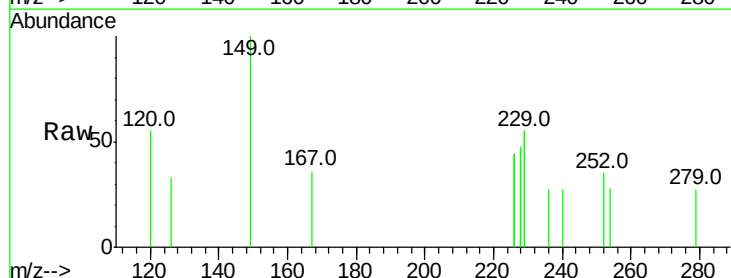
Tgt Ion:252 Resp: 116

Ion Ratio Lower Upper

252 100

254 79.0 61.5 92.3

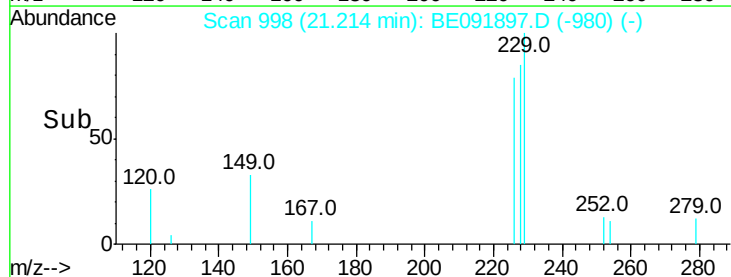
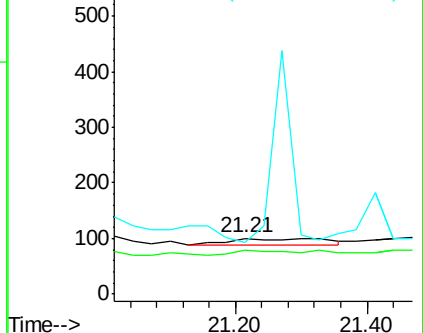
126 94.0 2.5 3.7#

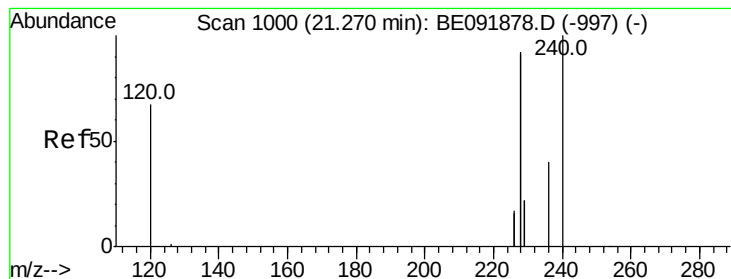


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.04 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

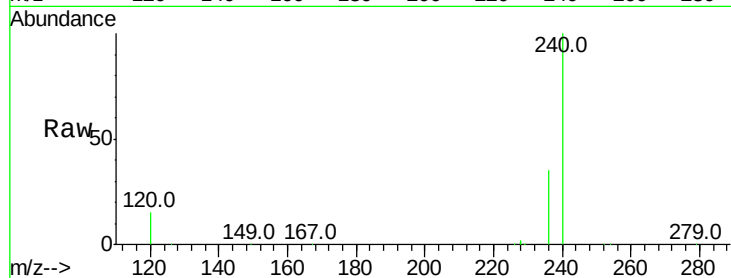
Tot Ion:228 Resp: 9340

Ion Ratio Lower Upper

228 100

226 18.3 27.0 40.6#

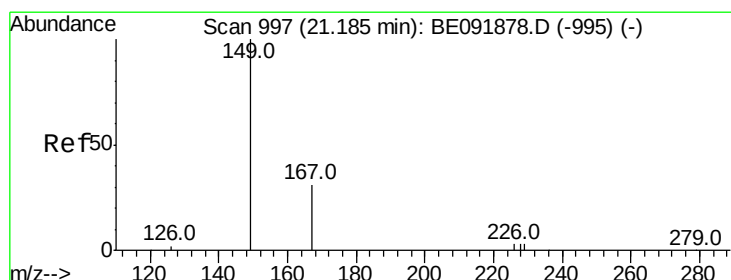
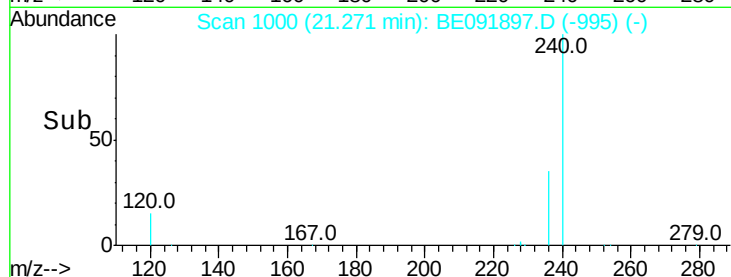
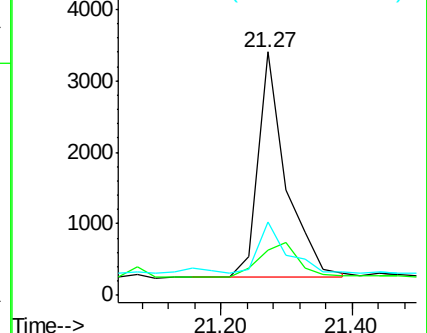
229 30.4 13.8 20.8#



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: 0.17 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

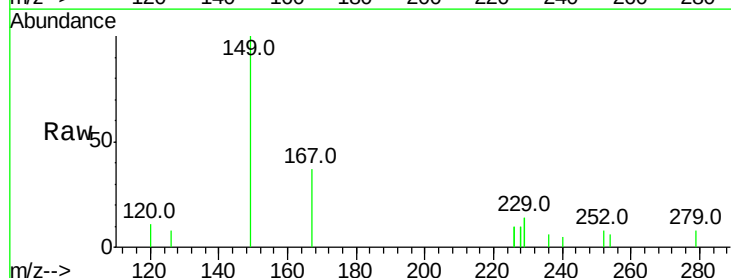
Tgt Ion:149 Resp: 2266

Ion Ratio Lower Upper

149 100

167 29.3 0.0 0.0#

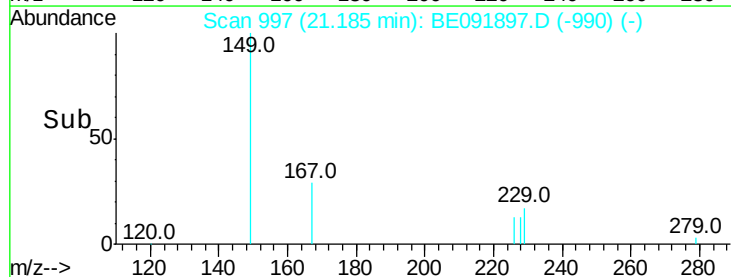
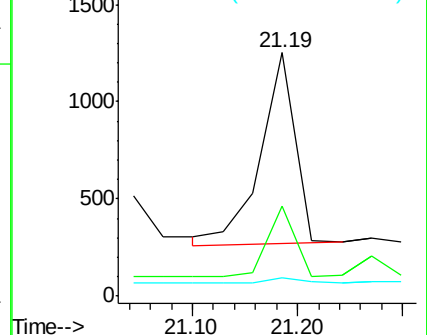
279 3.7 0.0 0.0#

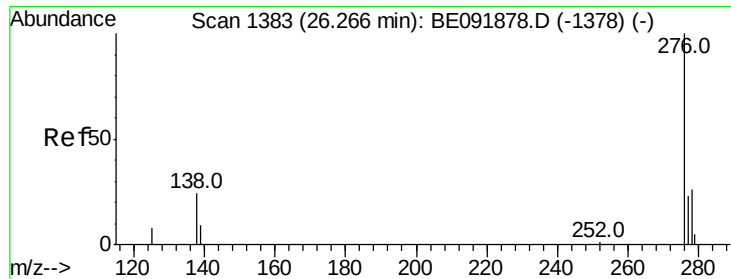


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091897.D

Acq: 8 Jun 2016 4:26

Instrument :

BNA_E

ClientSampleId :

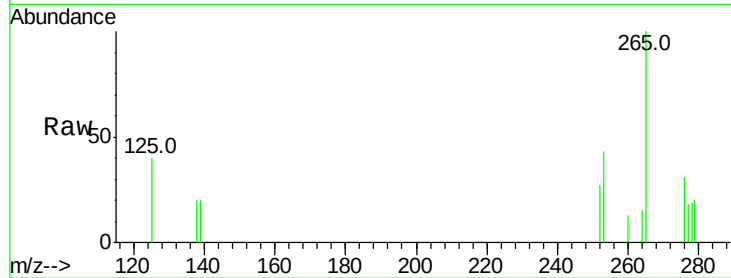
Tot Ion:276 Resp: 383

Ion Ratio Lower Upper

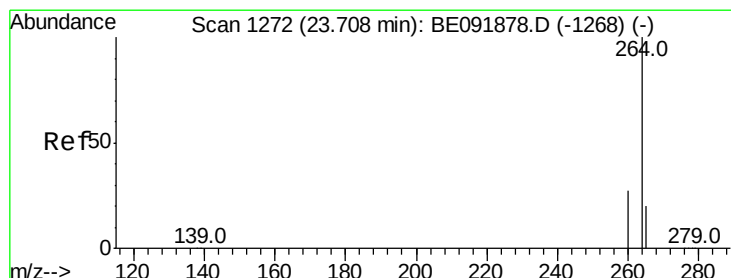
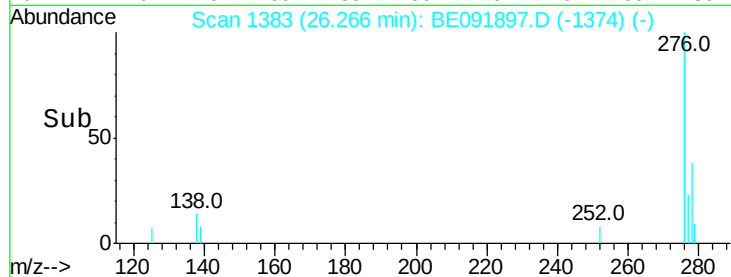
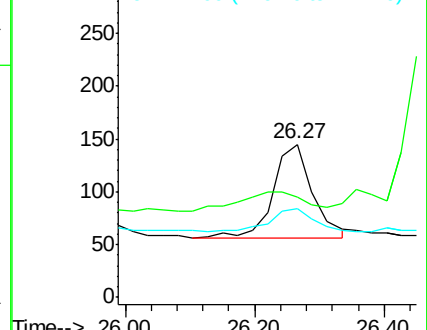
276 100

138 0.0 19.7 29.5#

277 27.2 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: BE091897.D

Acq: 8 Jun 2016 4:26

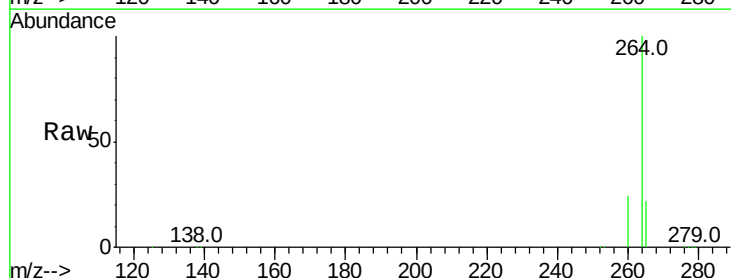
Tgt Ion:264 Resp: 319171

Ion Ratio Lower Upper

264 100

260 24.5 20.3 30.5

265 22.0 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

