

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100518\
 Data File : BE097781.D
 Acq On : 6 Oct 2018 8:11
 Operator : SJ/JU
 Sample : J5284-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-125D1-20181001

Quant Time: Oct 08 06:39:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

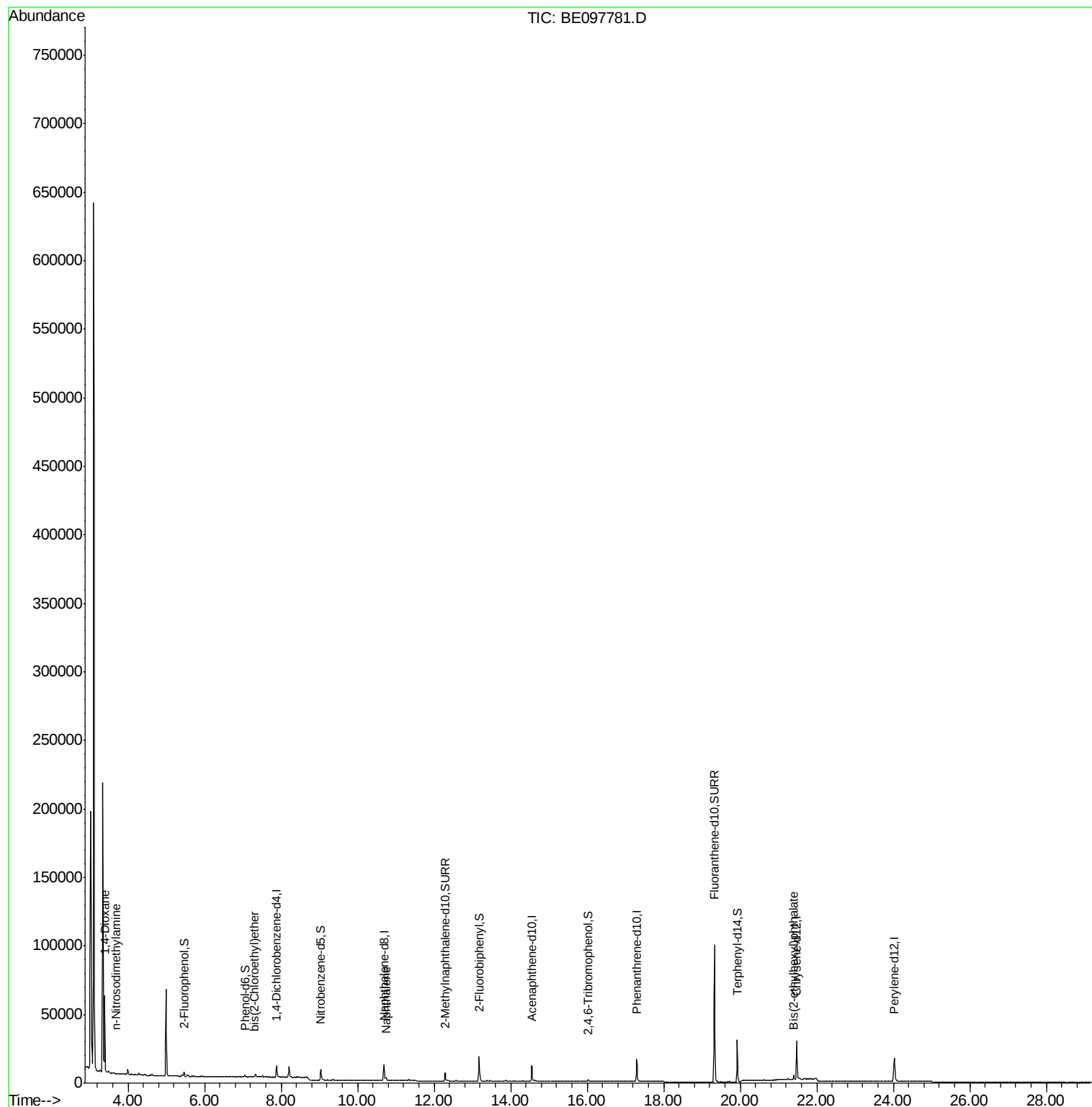
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	3639	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	14699	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	8237	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	23707	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	29864	0.40	ng	-0.01
34) Perylene-d12	24.02	264	26976	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1591	0.18	ng	0.00
5) Phenol-d6	7.05	99	1231	0.09	ng	0.00
8) Nitrobenzene-d5	9.04	82	3717	0.78	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	9720	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	858	0.57	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	16606	0.46	ng	-0.01
25) Fluoranthene-d10	19.33	212	138068	0.46	ng	0.00
29) Terphenyl-d14	19.92	244	25984	0.43	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.40	88	35785	4.935	ng	Qvalue 96
3) n-Nitrosodimethylamine	3.69	42	180	0.027	ng	# 14
6) bis(2-Chloroethyl)ether	7.31	93	299	0.022	ng	# 58
9) Naphthalene	10.74	128	3684	0.025	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.40	149	3877	0.066	ng	# 99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. -0.01 min

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BNA_E

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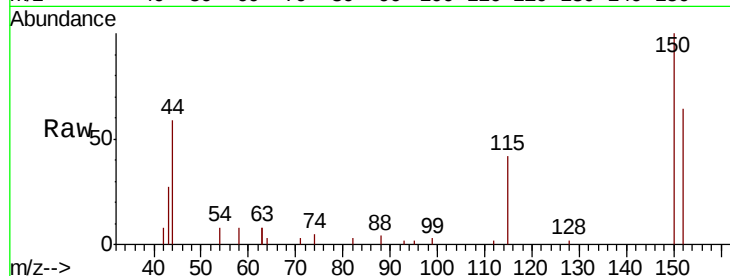
Tgt Ion:152 Resp: 3639

Ion Ratio Lower Upper

152 100

150 156.0 120.9 181.3

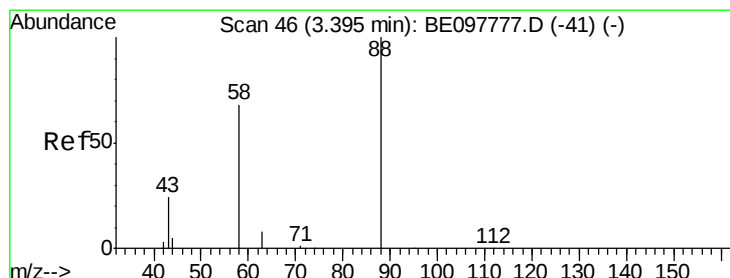
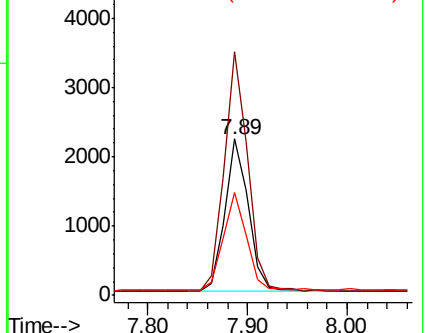
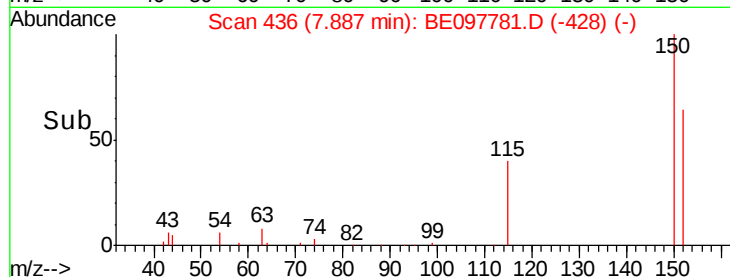
115 65.5 46.6 69.8



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: 4.935 ng

RT: 3.40 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

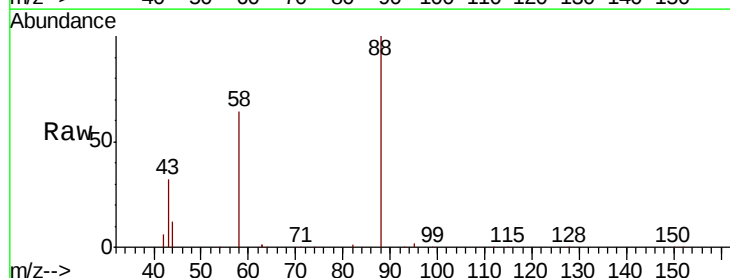
Tgt Ion: 88 Resp: 35785

Ion Ratio Lower Upper

88 100

58 85.7 70.8 106.2

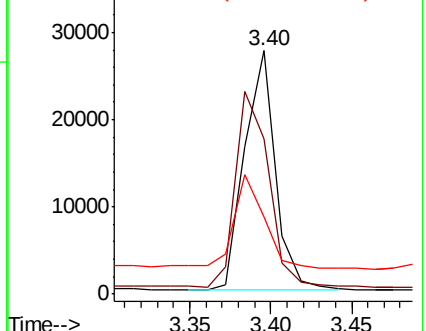
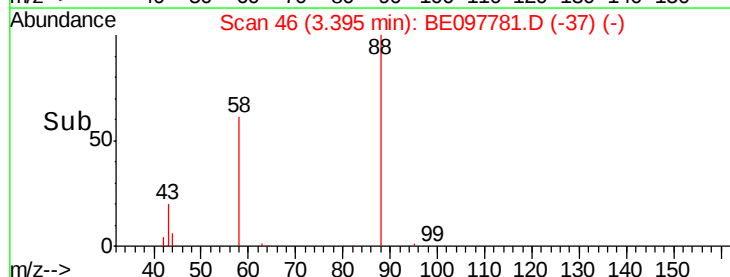
43 38.6 33.3 49.9

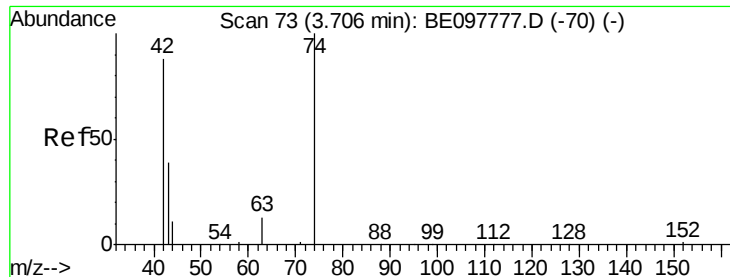


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.027 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

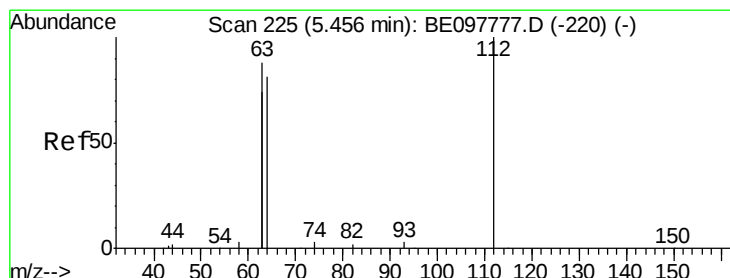
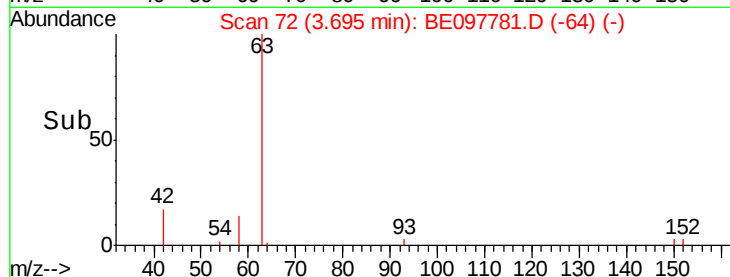
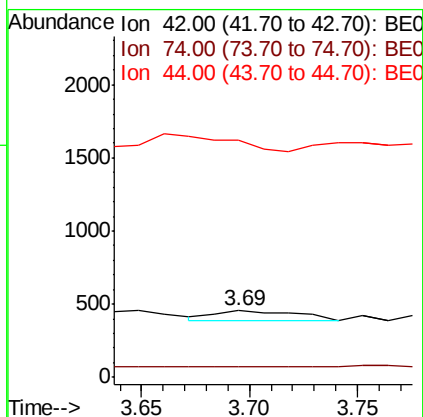
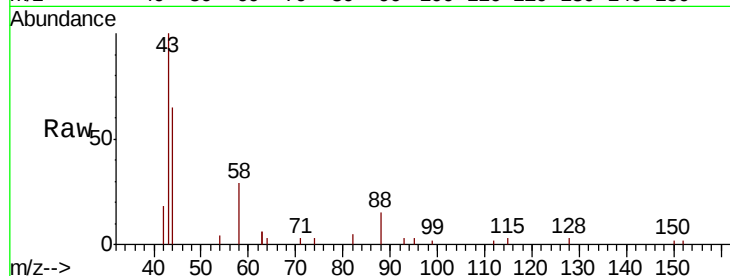
Instrument :

BNA_E

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RE-125D1-20181001

Tgt Ion:	42	Resp:	180
Ion	Ratio	Lower	Upper
42	100		
74	0.0	70.7	106.1#
44	0.0	15.0	22.4#



#4

2-Fluorophenol

Concen: 0.185 ng

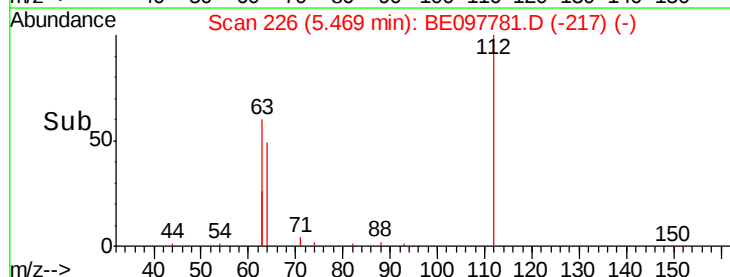
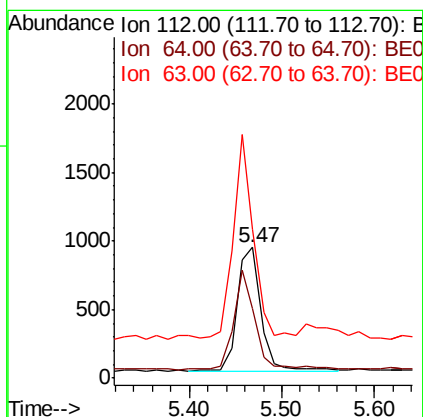
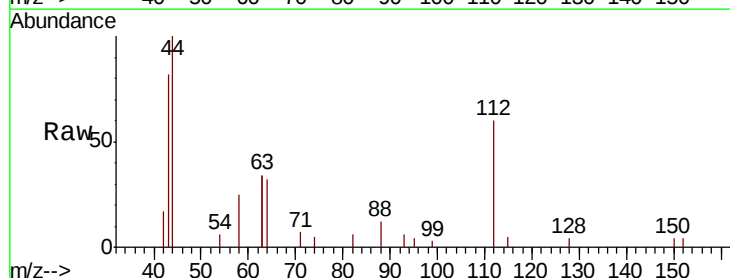
RT: 5.47 min Scan# 226

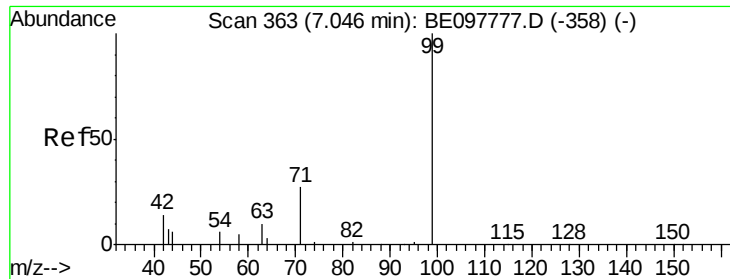
Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Tgt Ion:	112	Resp:	1591
Ion	Ratio	Lower	Upper
112	100		
64	71.3	56.6	84.8
63	139.6	119.4	179.0





#5

Phenol-d6

Concen: 0.093 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

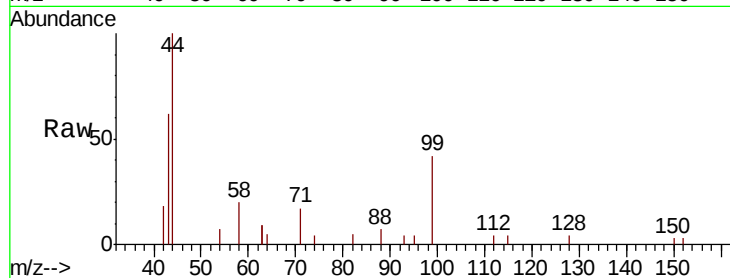
Tgt Ion: 99 Resp: 1231

Ion Ratio Lower Upper

99 100

42 33.5 19.9 29.9#

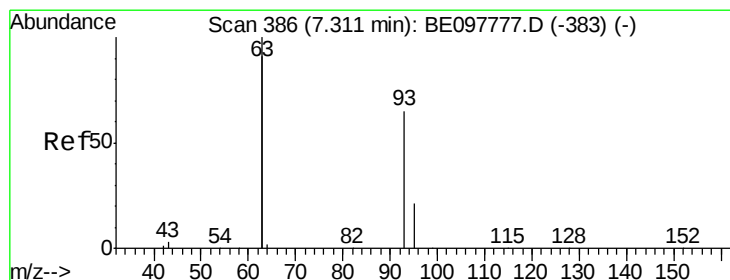
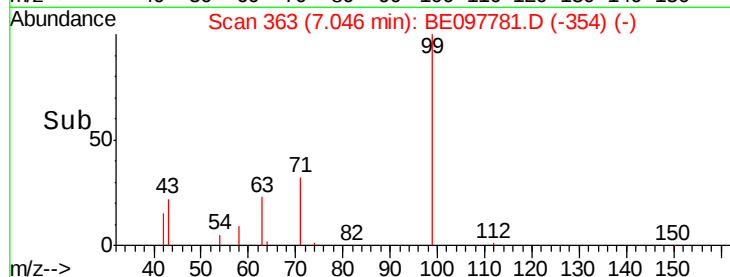
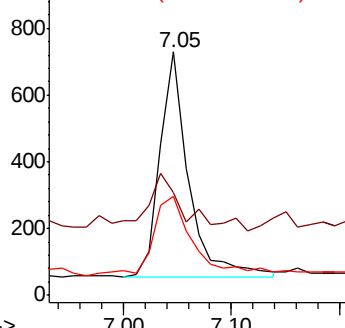
71 54.6 25.4 38.2#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

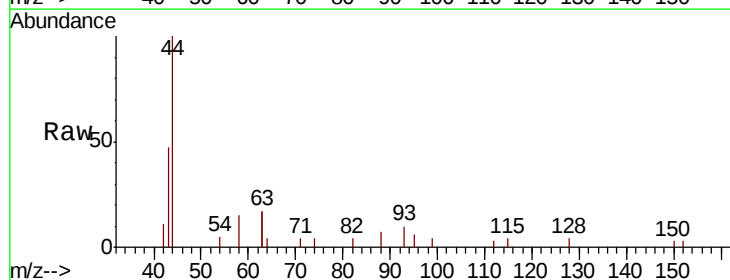
Tgt Ion: 93 Resp: 299

Ion Ratio Lower Upper

93 100

63 239.5 266.9 400.3#

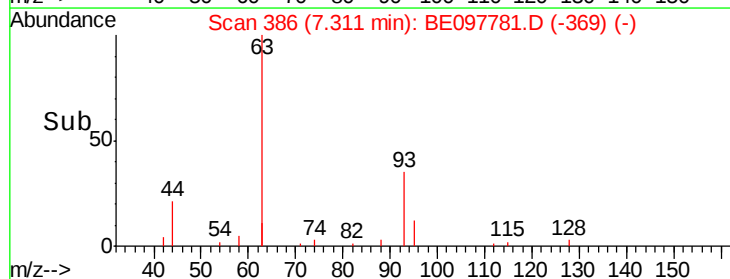
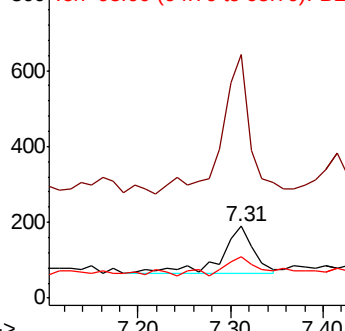
95 37.5 26.2 39.2

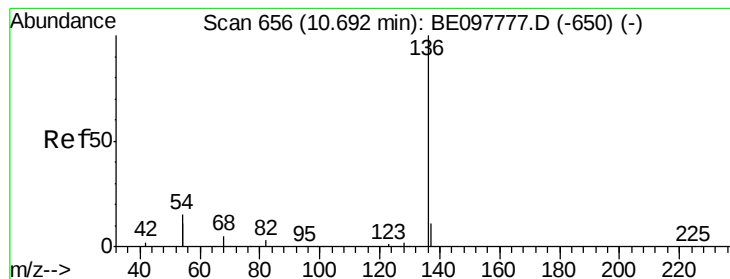


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

Tgt Ion:136 Resp: 14699

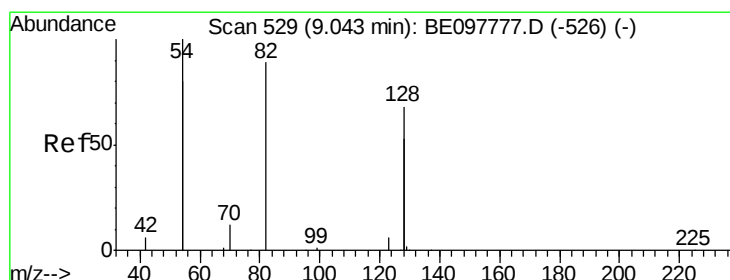
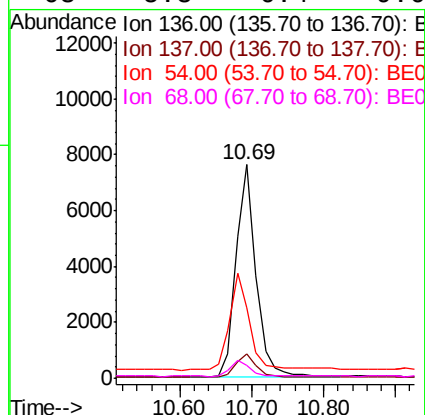
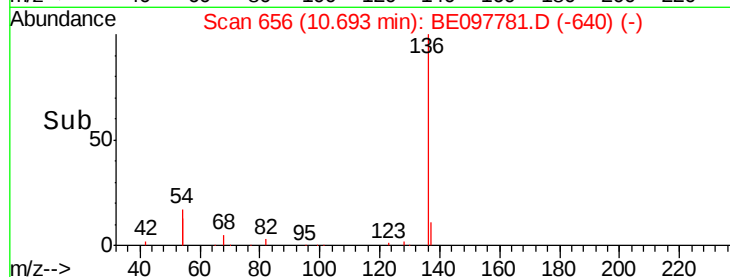
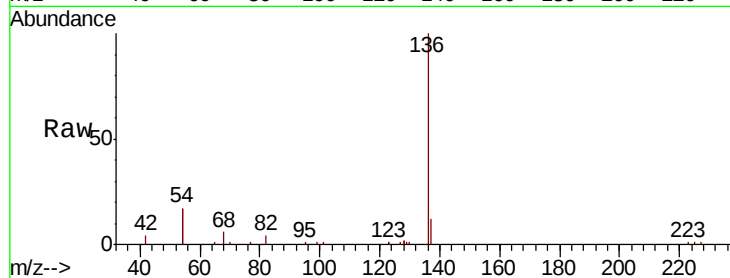
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 33.1 37.8 56.6#

68 5.8 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 0.779 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

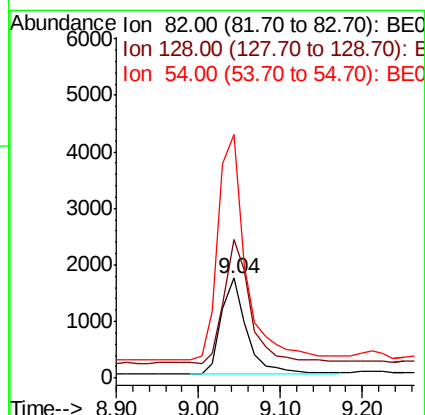
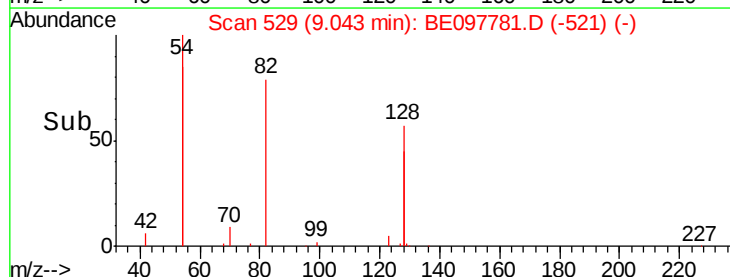
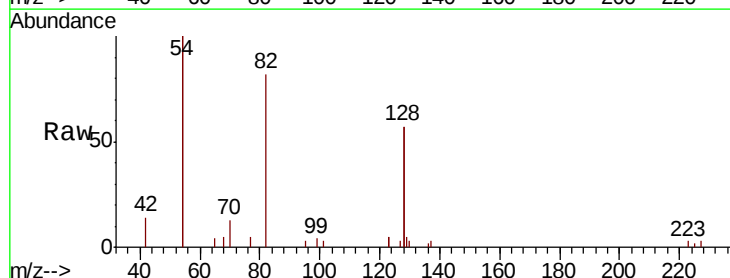
Tgt Ion: 82 Resp: 3717

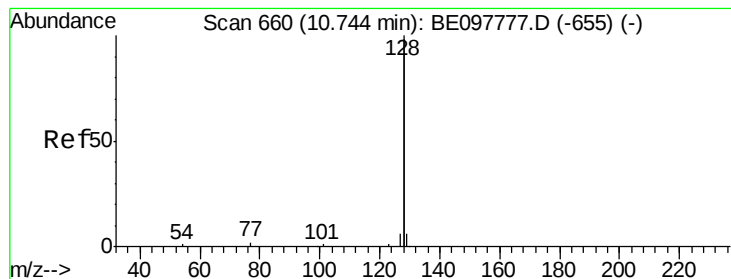
Ion Ratio Lower Upper

82 100

128 139.6 97.0 145.4

54 244.1 206.9 310.3





#9

Naphthalene

Concen: 0.025 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

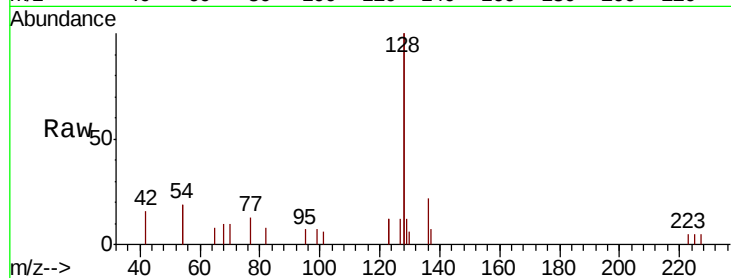
Tgt Ion:128 Resp: 3684

Ion Ratio Lower Upper

128 100

129 6.2 2.2 3.2#

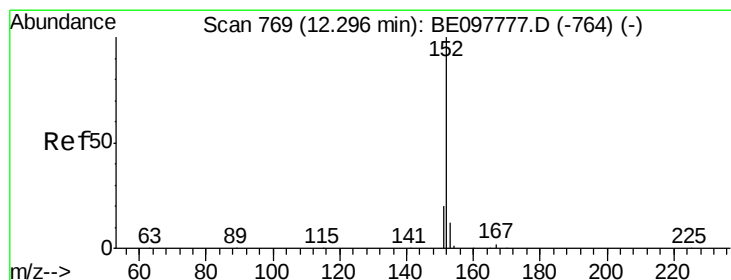
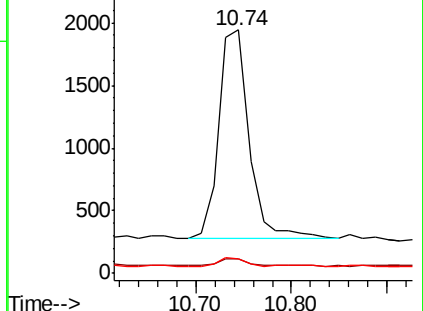
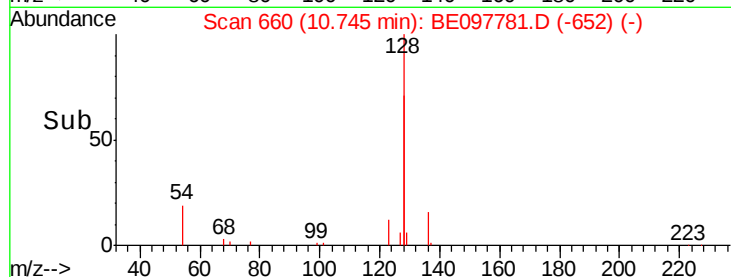
127 5.9 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.416 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097781.D

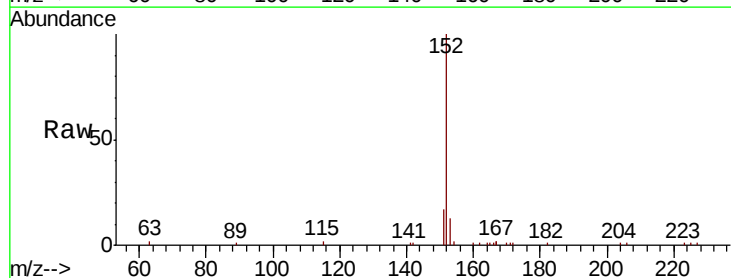
Acq: 6 Oct 2018 8:11

Tgt Ion:152 Resp: 9720

Ion Ratio Lower Upper

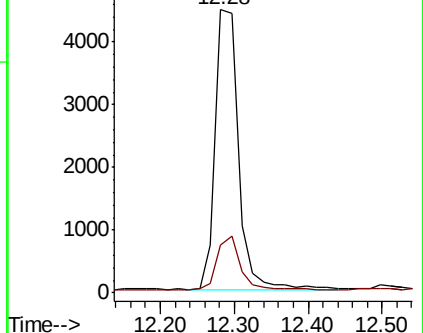
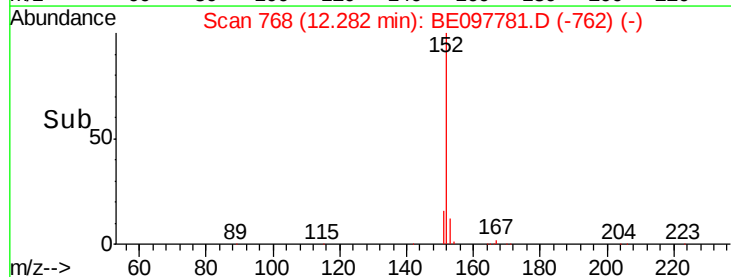
152 100

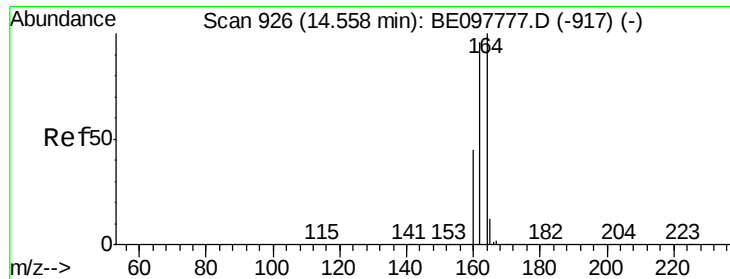
151 18.9 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

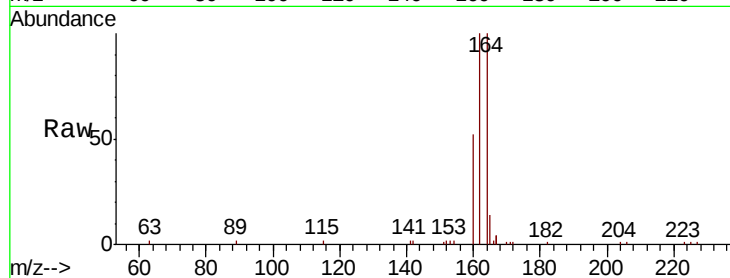
Tgt Ion:164 Resp: 8237

Ion Ratio Lower Upper

164 100

162 100.4 78.6 117.8

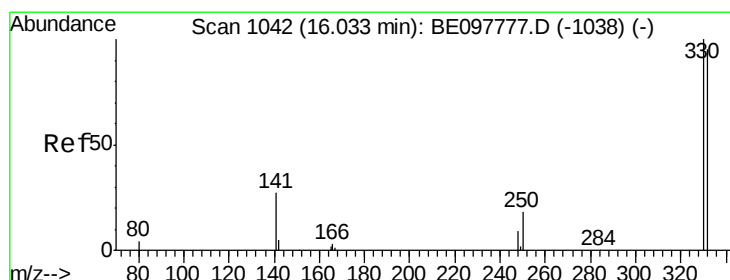
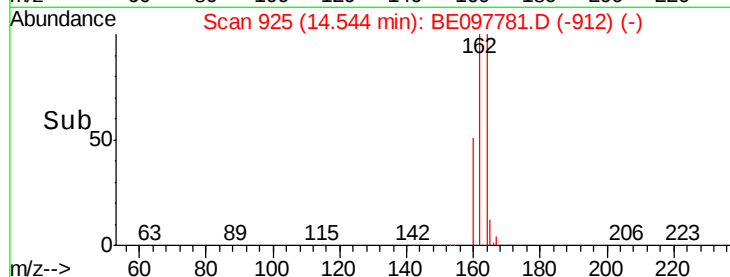
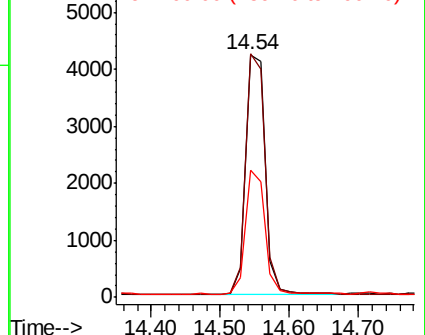
160 52.3 37.8 56.6



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



#14

2,4,6-Tribromophenol

Concen: 0.575 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

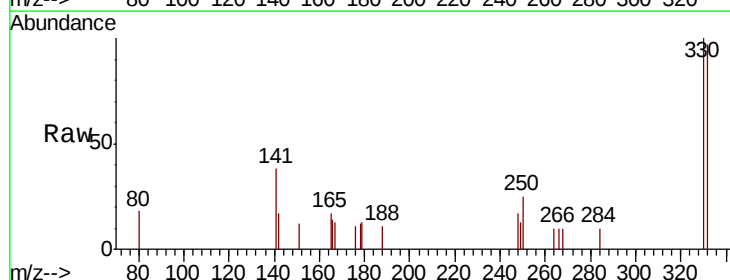
Tgt Ion:330 Resp: 858

Ion Ratio Lower Upper

330 100

332 91.7 83.5 125.3

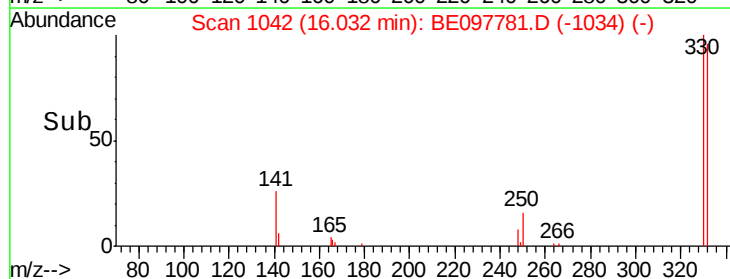
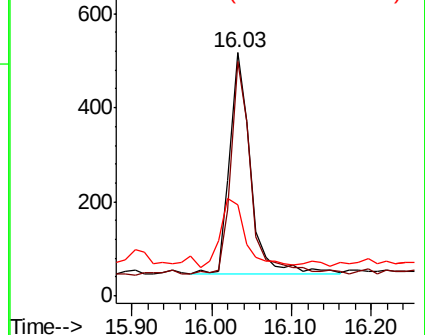
141 34.5 34.9 52.3#

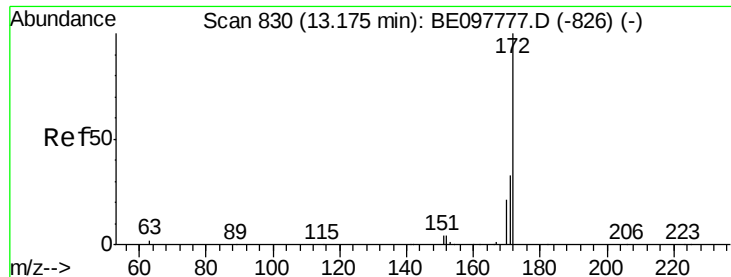


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

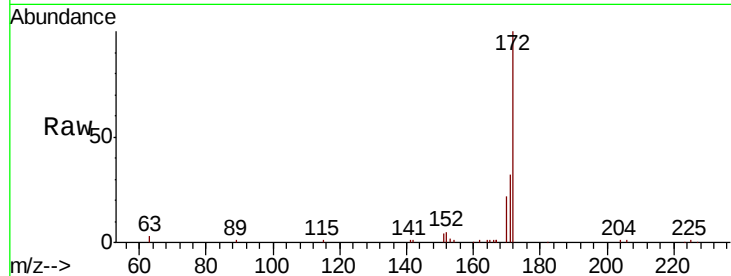




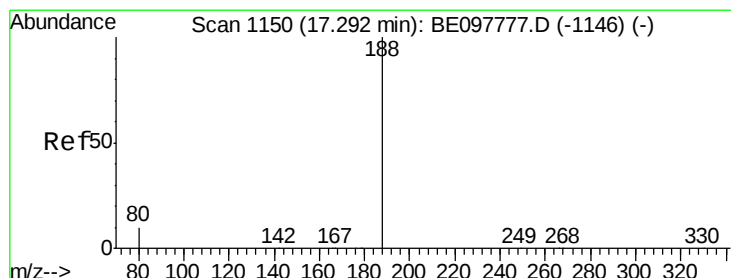
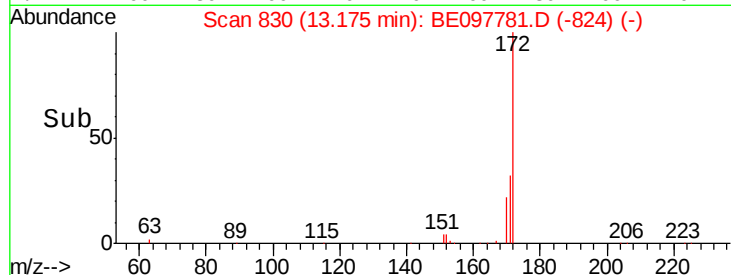
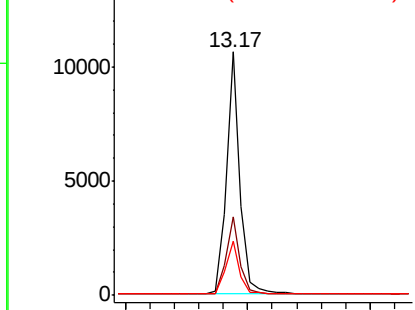
#15
2-Fluorobiphenyl
Concen: 0.458 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097781.D
Acq: 6 Oct 2018 8:11

Instrument :
BNA_E
ClientSampleId :
RE-125D1-20181001

Tgt Ion:172 Resp: 16606
Ion Ratio Lower Upper
172 100
171 32.0 25.2 37.8
170 22.2 16.2 24.2

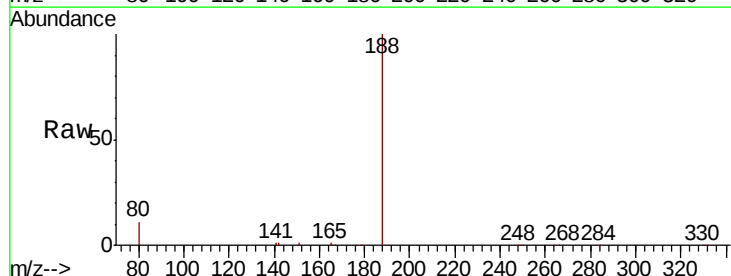


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

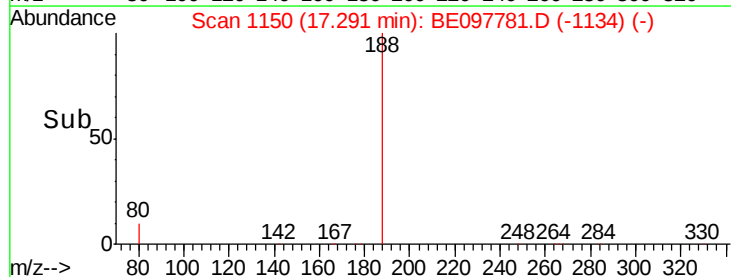
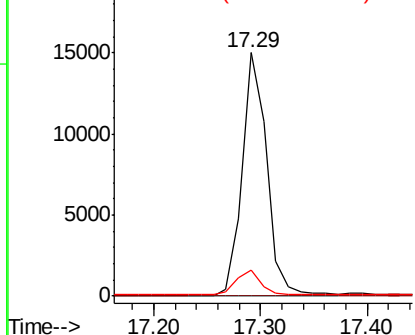


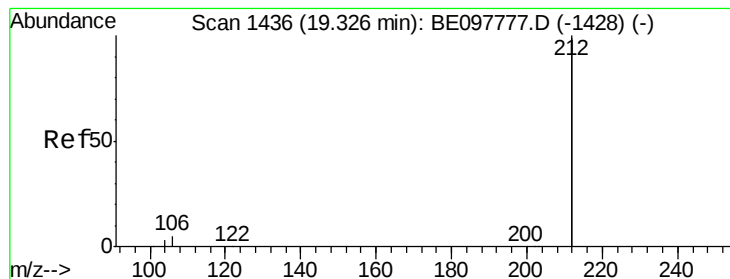
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097781.D
Acq: 6 Oct 2018 8:11

Tgt Ion:188 Resp: 23707
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 6.6 9.8#



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





#25

Fluoranthene-d10

Concen: 0.460 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

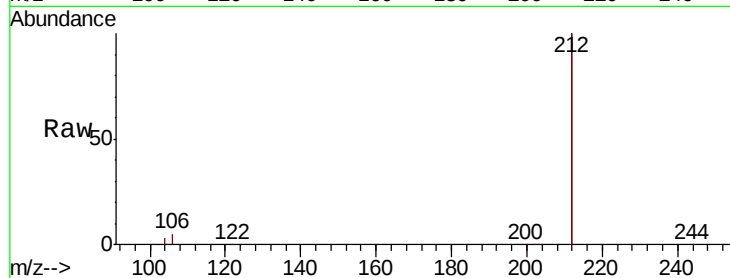
Tgt Ion:212 Resp: 138068

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

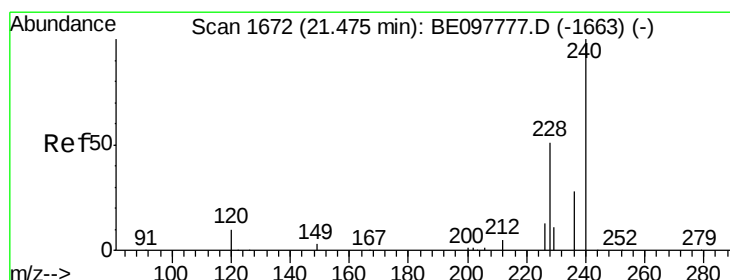
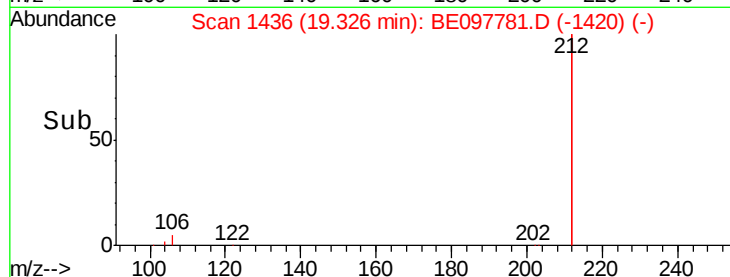
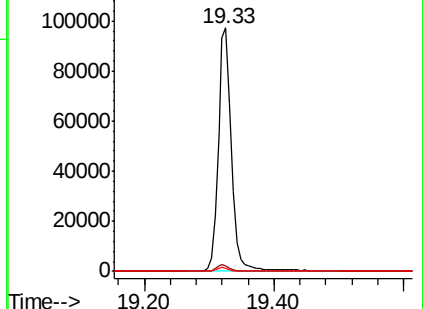
104 1.5 1.2 1.8



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

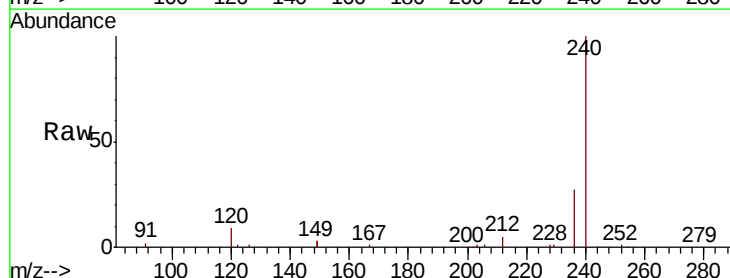
Tgt Ion:240 Resp: 29864

Ion Ratio Lower Upper

240 100

120 9.1 4.7 7.1#

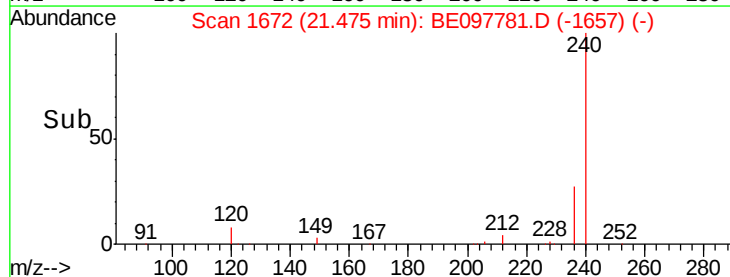
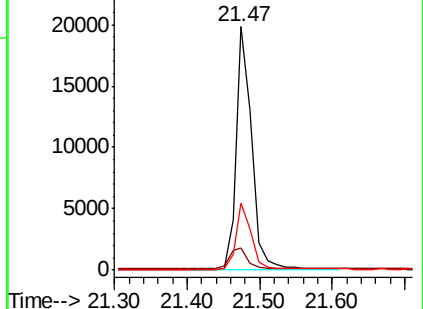
236 27.4 20.8 31.2

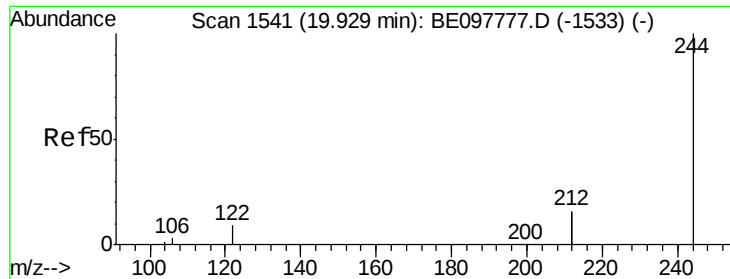


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.426 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

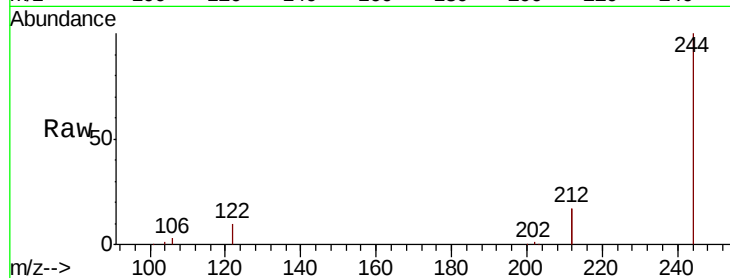
Tgt Ion:244 Resp: 25984

Ion Ratio Lower Upper

244 100

212 33.3 25.8 38.8

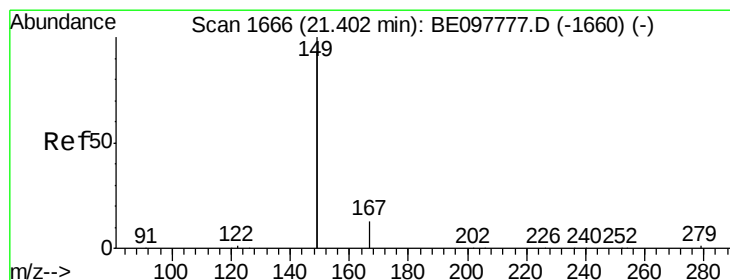
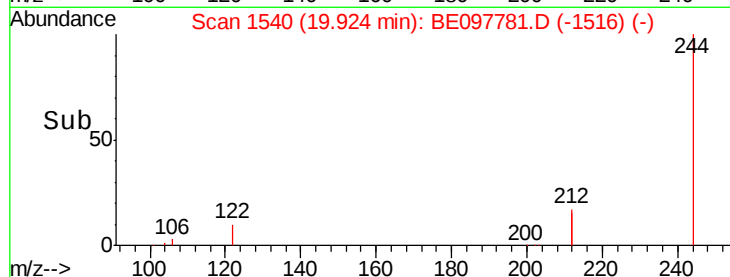
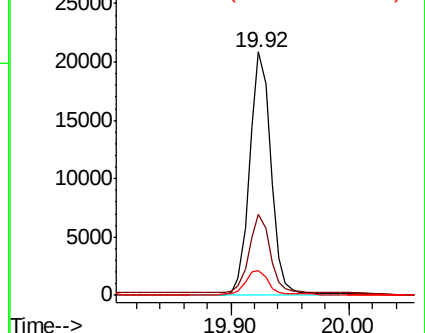
122 10.3 8.7 13.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.066 ng

RT: 21.40 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

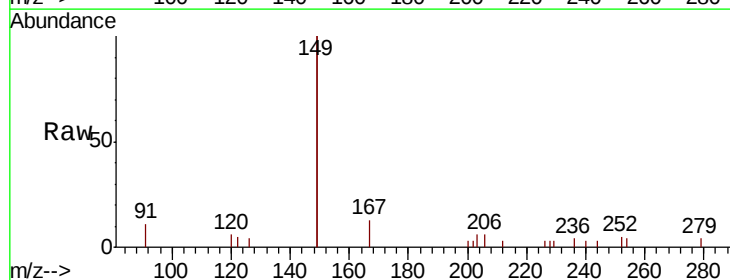
Tgt Ion:149 Resp: 3877

Ion Ratio Lower Upper

149 100

167 7.2 5.5 8.3

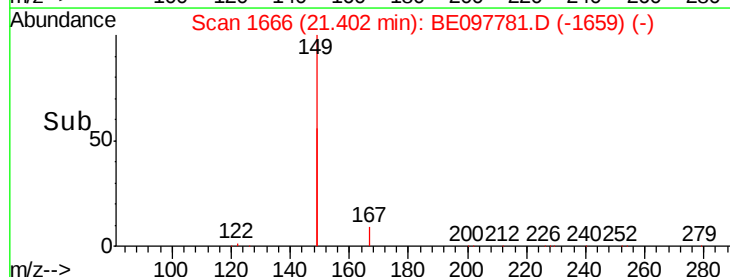
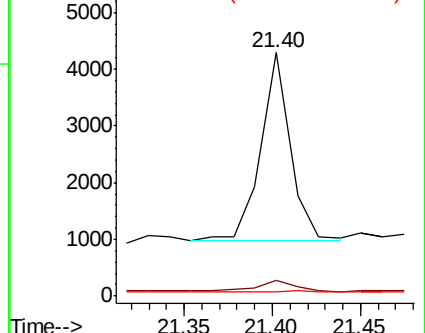
279 1.9 0.9 1.3#

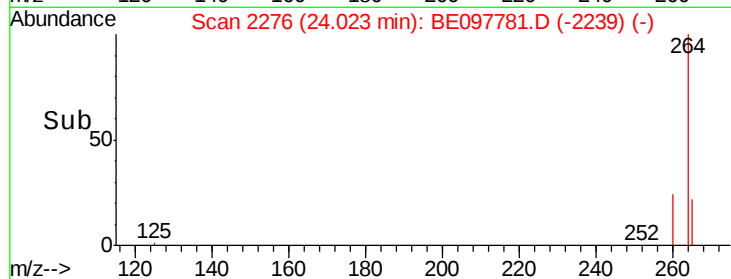
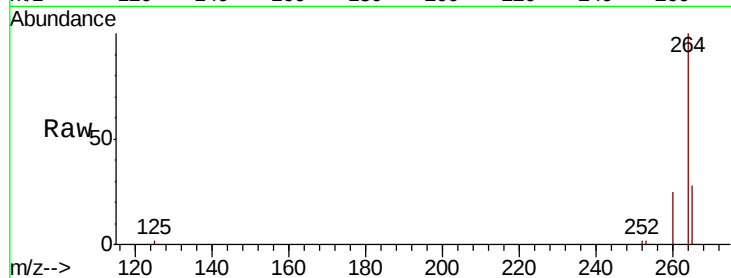
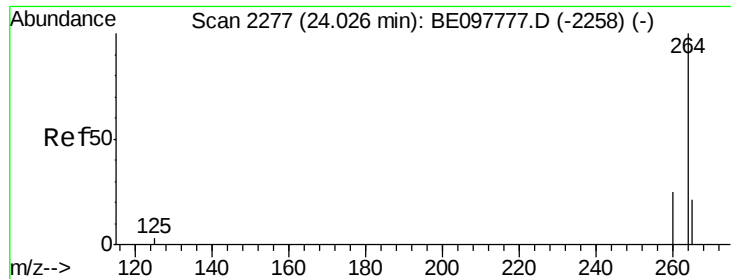


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 24.02 min Scan# 2276

Delta R.T. -0.02 min

Lab File: BE097781.D

Acq: 6 Oct 2018 8:11

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181001

Tgt Ion: 264 Resp: 26976

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 27.9 21.9 32.9

