

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072018\
 Data File : BE097025.D
 Acq On : 20 Jul 2018 11:35
 Operator : SJ/JU
 Sample : J4014-10DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 12:18:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1278	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5969	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3651	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10462	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9244	0.40	ng	0.00
34) Perylene-d12	23.21	264	8122	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	321	0.10	ng	0.00
5) Phenol-d6	6.60	99	269	0.06	ng	0.00
8) Nitrobenzene-d5	8.53	82	1081	0.25	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	1952	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	217	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	3945	0.29	ng	0.00
25) Fluoranthene-d10	18.81	212	26098	0.29	ng	0.00
29) Terphenyl-d14	19.43	244	6986	0.39	ng	0.00

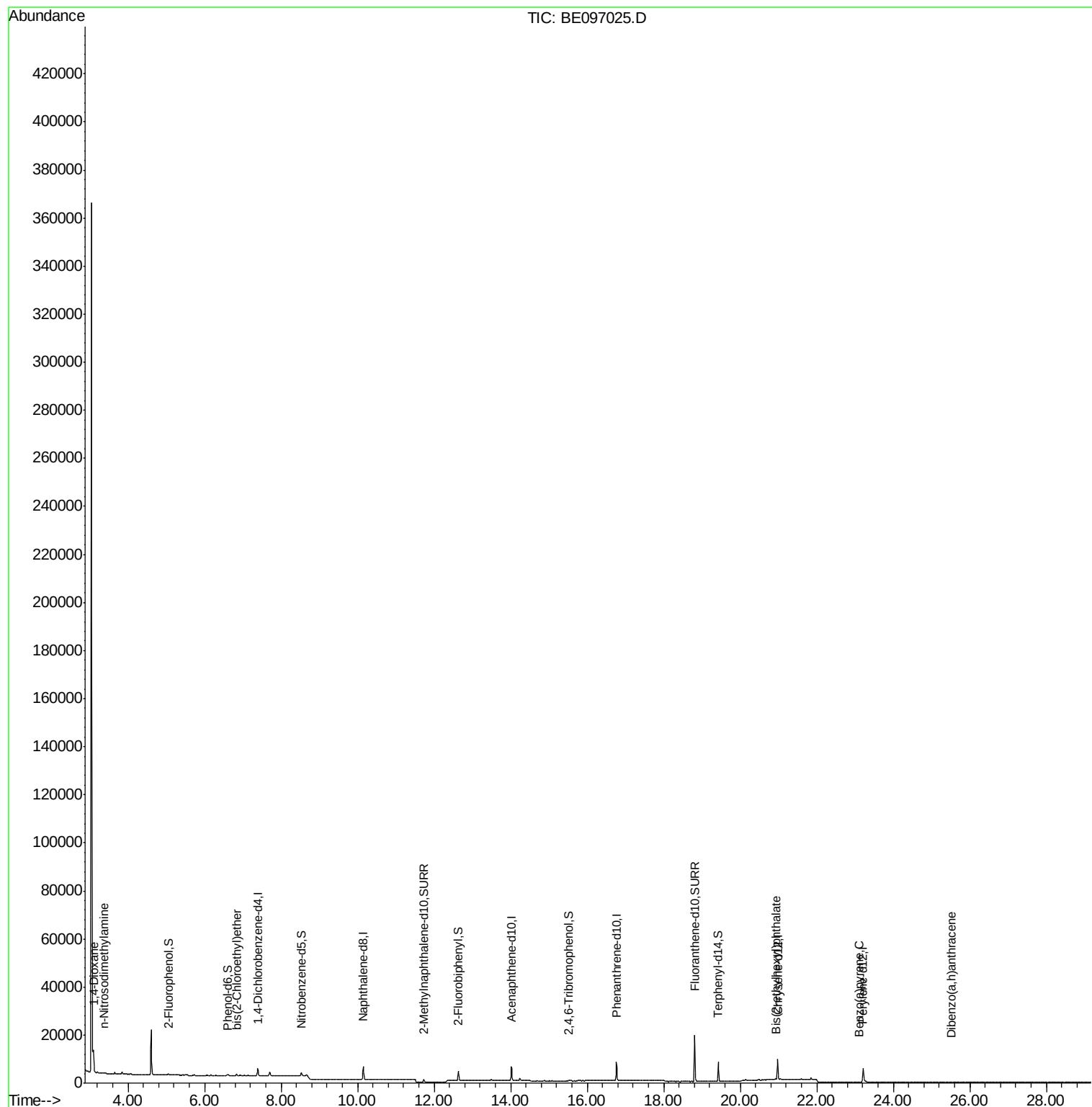
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	4573	2.500	ng	92
3) n-Nitrosodimethylamine	3.37	42	66	0.032	ng	# 2
6) bis(2-Chloroethyl)ether	6.84	93	201	0.044	ng	91
22) Pentachlorophenol	16.43	266	10	Below Cal		93
32) Bis(2-ethylhexyl)phthalate	20.93	149	907	0.041	ng	# 98
37) Benzo(a)pyrene	23.11	252	7	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	5	0.118	ng	# 1

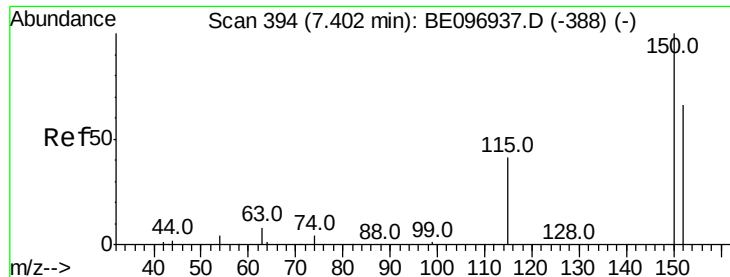
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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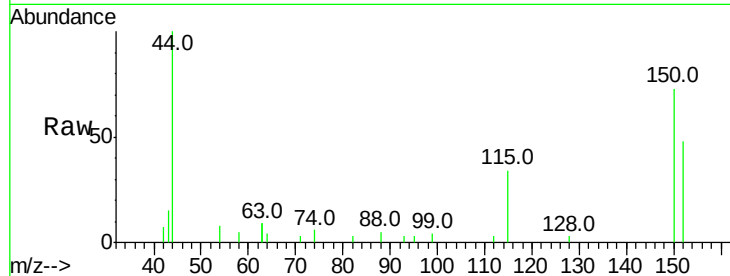


#1

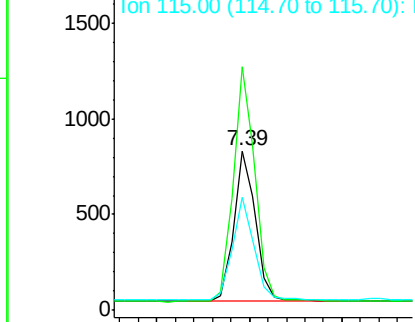
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097025.D
Acq: 20 Jul 2018 11:35

Instrument :
BNA_E
ClientSampleId :

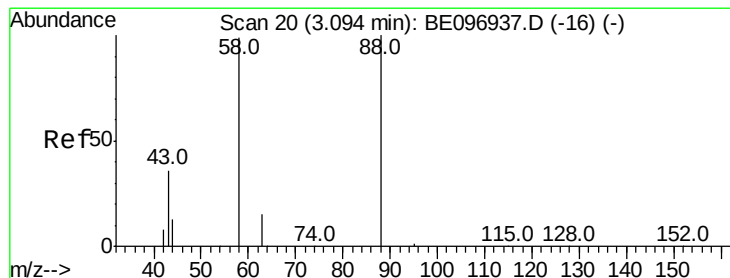
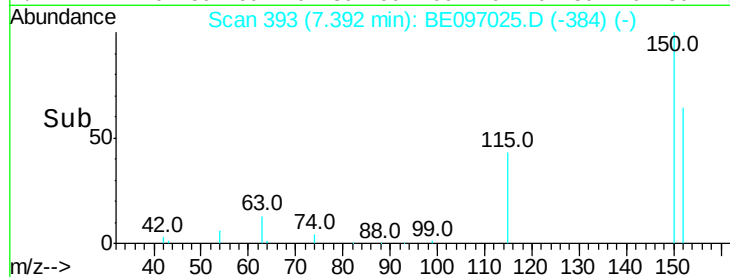
Tot Ion:152 Resp: 1278
Ion Ratio Lower Upper
152 100
150 152.6 117.2 175.8
115 70.6 57.0 85.6



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



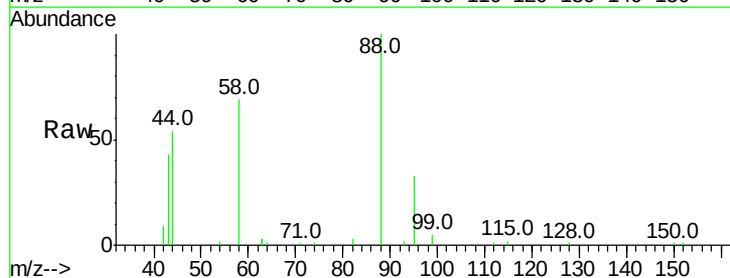
Time-->



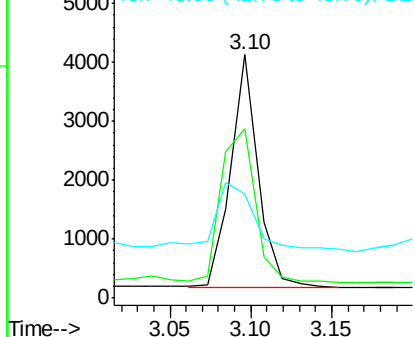
#2

1,4-Dioxane
Concen: 2.500 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097025.D
Acq: 20 Jul 2018 11:35

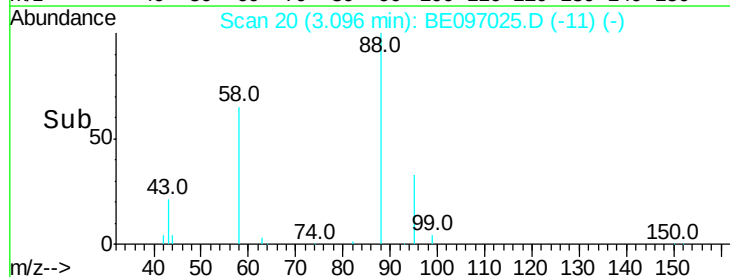
Tgt Ion: 88 Resp: 4573
Ion Ratio Lower Upper
88 100
58 82.5 63.2 94.8
43 41.5 41.2 61.8

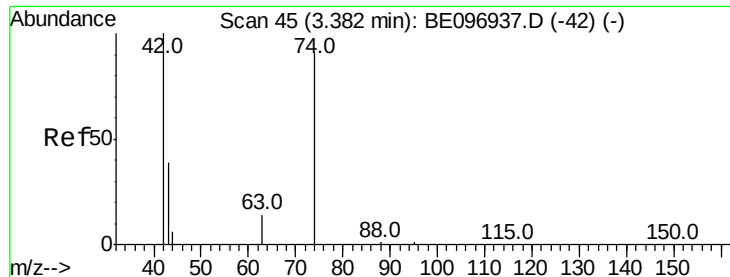


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.032 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampleId :

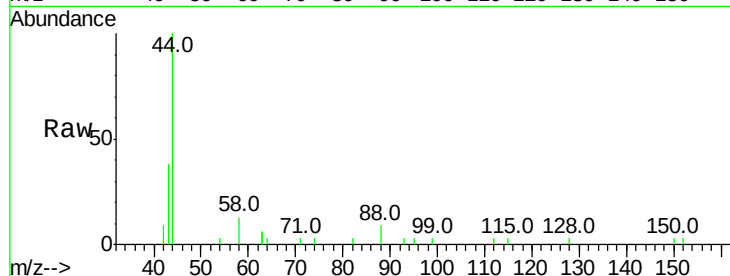
Tot Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

74 3.0 96.0 144.0#

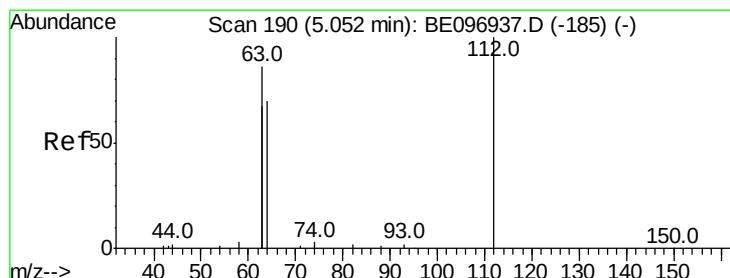
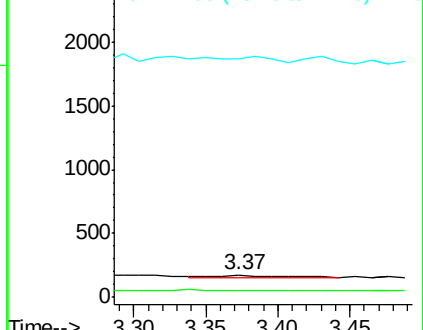
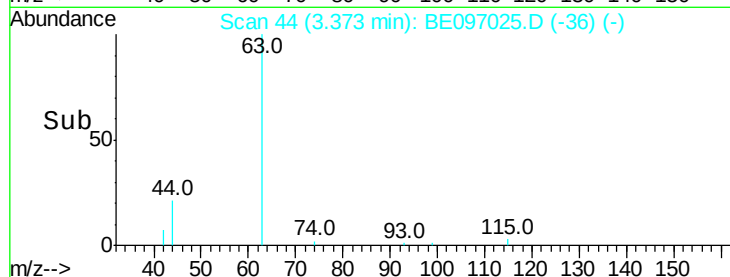
44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.105 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

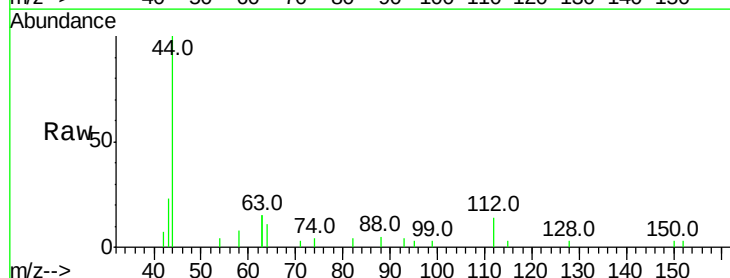
Tgt Ion: 112 Resp: 321

Ion Ratio Lower Upper

112 100

64 67.9 60.1 90.1

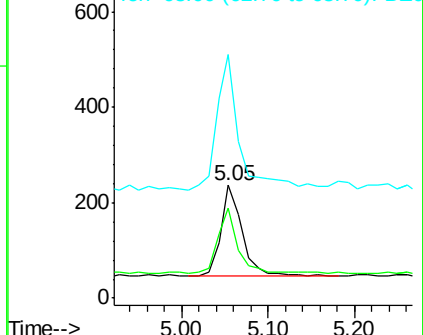
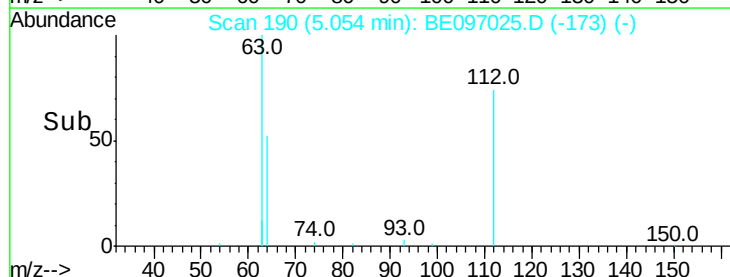
63 165.7 116.8 175.2

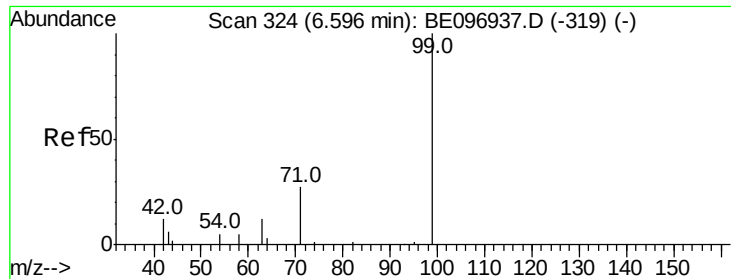


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.058 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampleId :

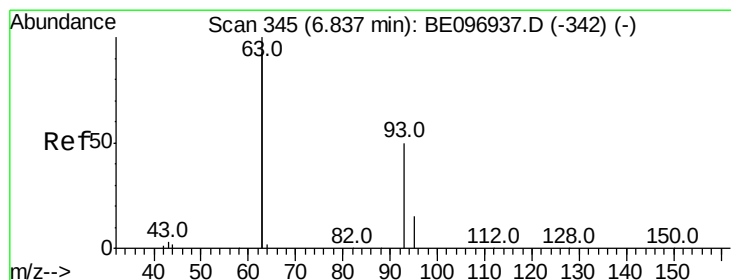
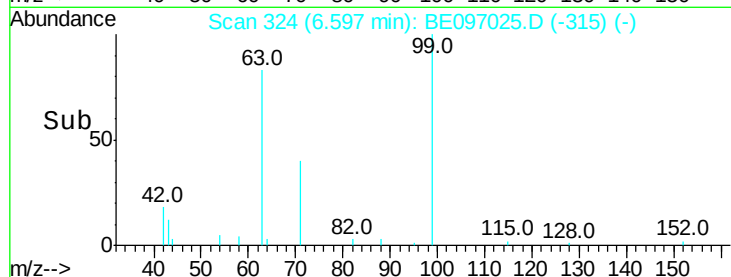
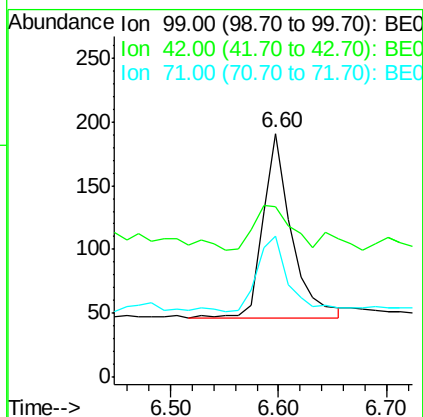
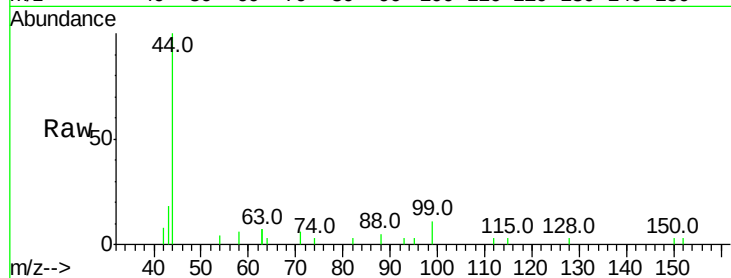
Tot Ion: 99 Resp: 269

Ion Ratio Lower Upper

99 100

42 31.2 20.2 30.2#

71 43.9 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.044 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

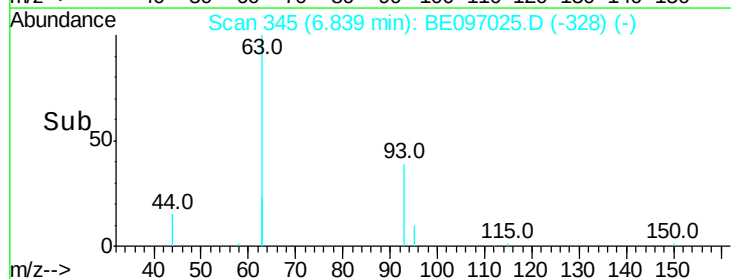
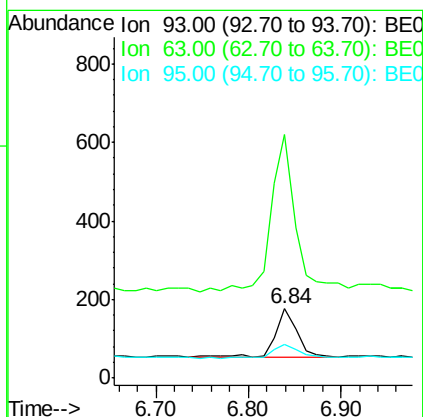
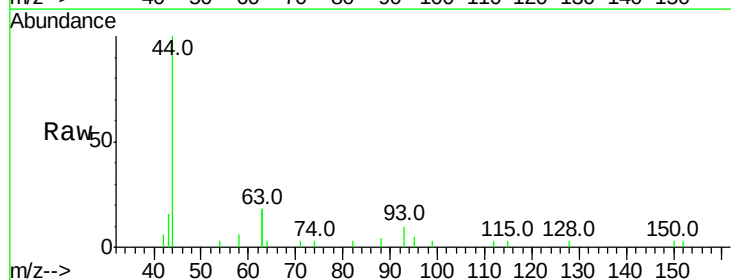
Tgt Ion: 93 Resp: 201

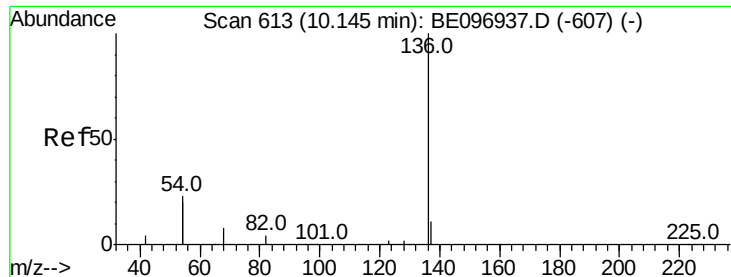
Ion Ratio Lower Upper

93 100

63 364.2 275.3 412.9

95 35.3 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5969

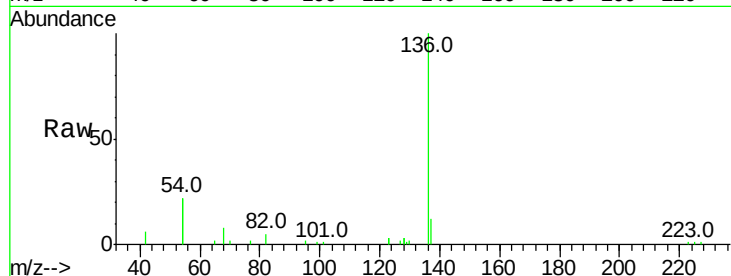
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 43.1 29.1 43.7

68 8.1 6.2 9.2

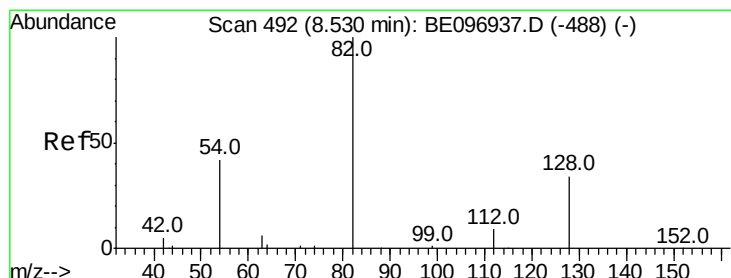
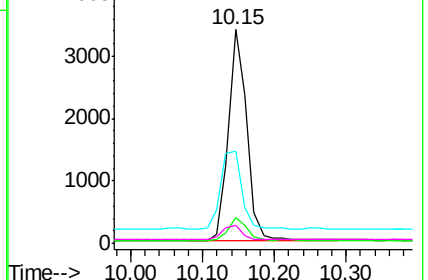
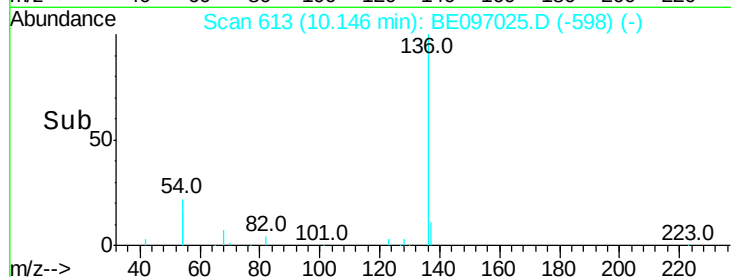


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.248 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

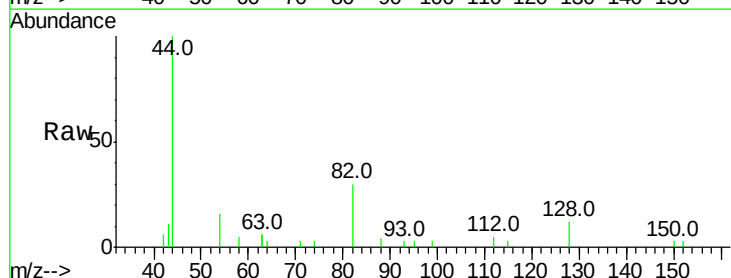
Tgt Ion: 82 Resp: 1081

Ion Ratio Lower Upper

82 100

128 40.5 24.0 36.0#

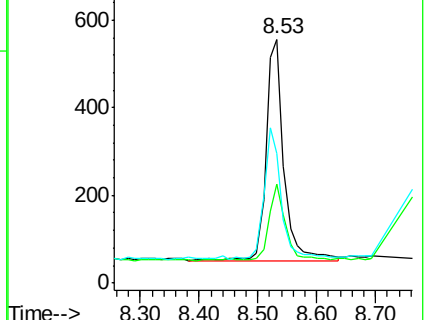
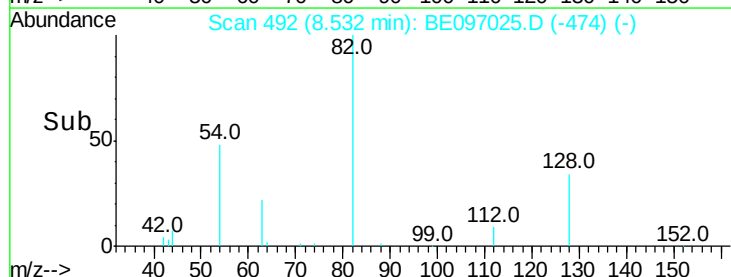
54 53.4 40.0 60.0

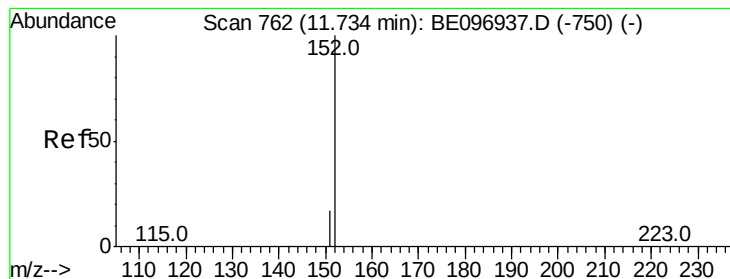


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.224 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

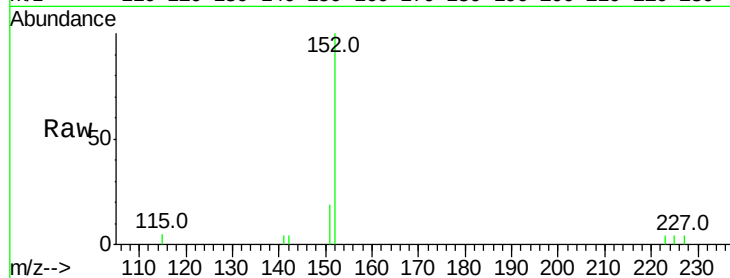
ClientSampleId :

Tot Ion:152 Resp: 1952

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

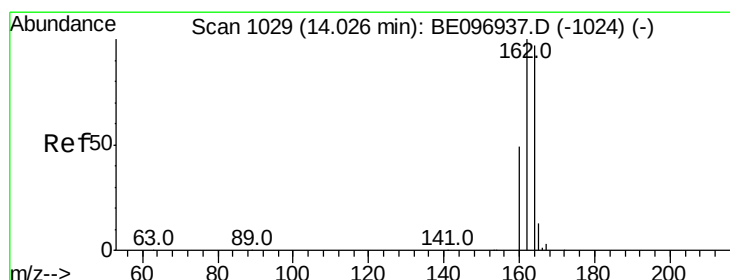
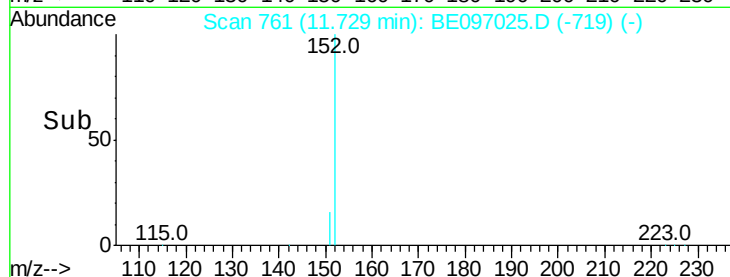
11.73

1000

500

0

Time--> 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

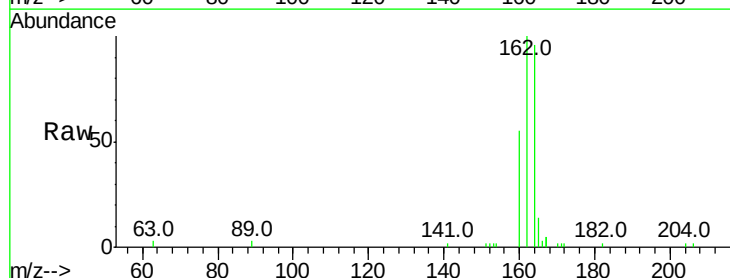
Tgt Ion:164 Resp: 3651

Ion Ratio Lower Upper

164 100

162 104.3 83.1 124.7

160 57.7 37.1 55.7#



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

14.01

3000

2500

2000

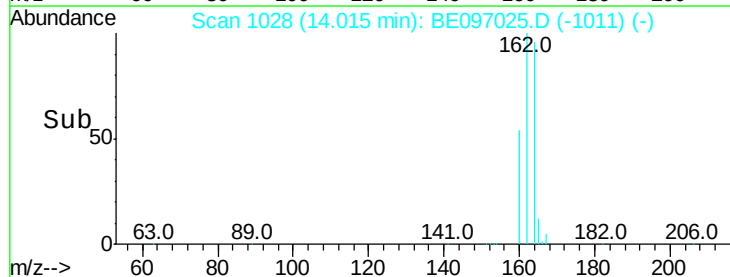
1500

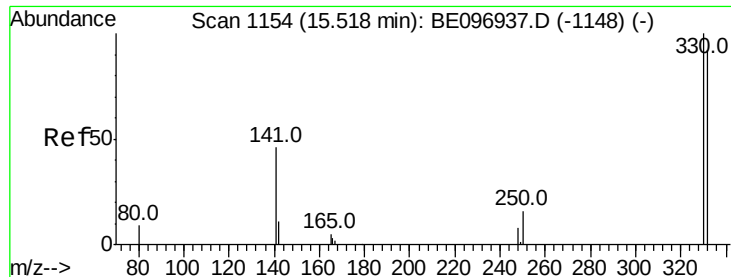
1000

500

0

Time--> 13.90 14.00 14.10 14.20

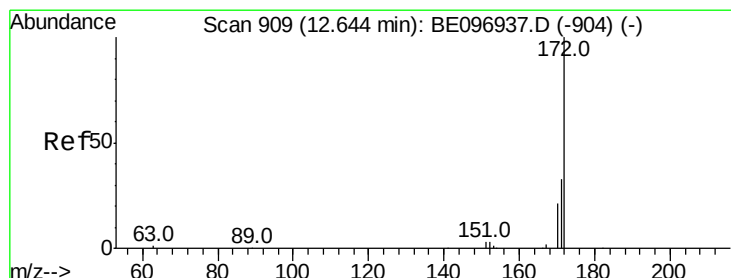
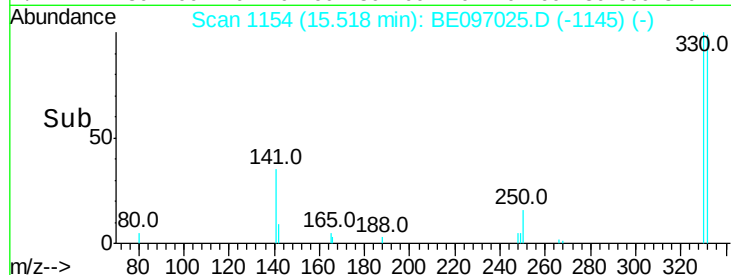
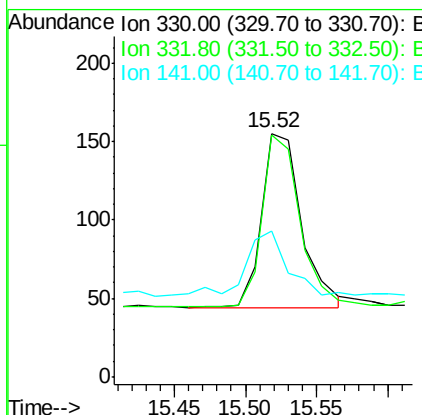
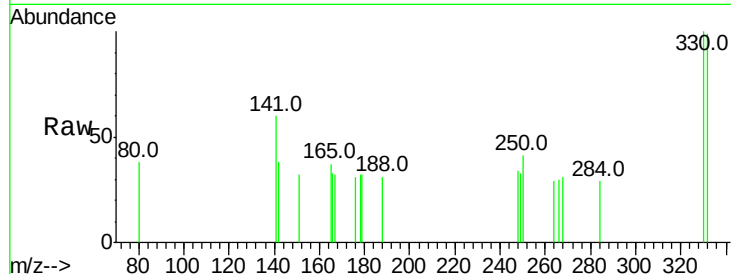




#14
 2,4,6-Tribromophenol
 Concen: 0.294 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097025.D
 Acq: 20 Jul 2018 11:35

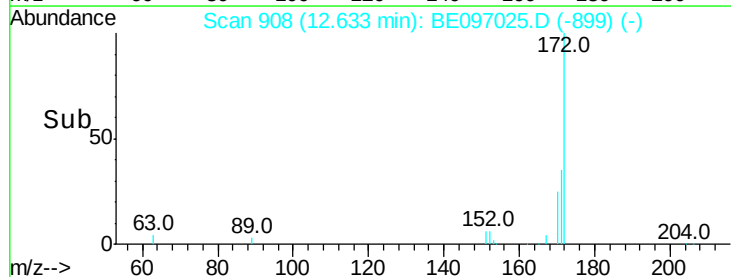
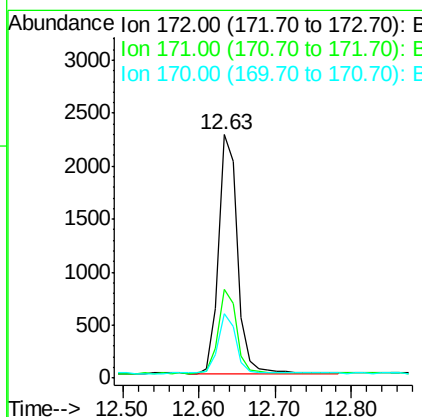
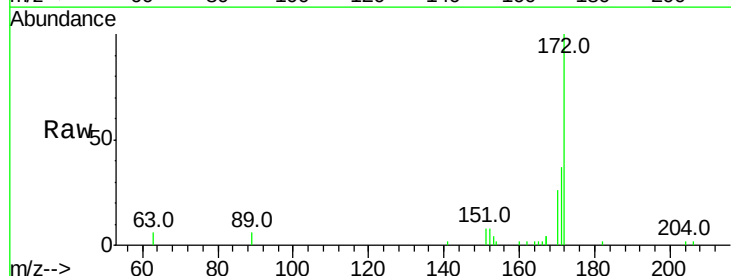
Instrument :
 BNA_E
 ClientSampleId :

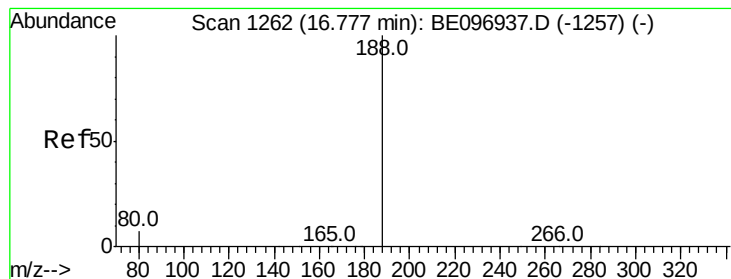
Tot Ion:330 Resp: 217
 Ion Ratio Lower Upper
 330 100
 332 91.7 152.7 229.1#
 141 40.1 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.291 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097025.D
 Acq: 20 Jul 2018 11:35

Tgt Ion:172 Resp: 3945
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.9 44.9
 170 26.4 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampleId :

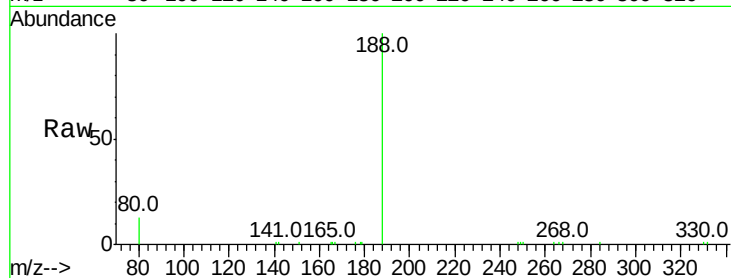
Tot Ion:188 Resp: 10462

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

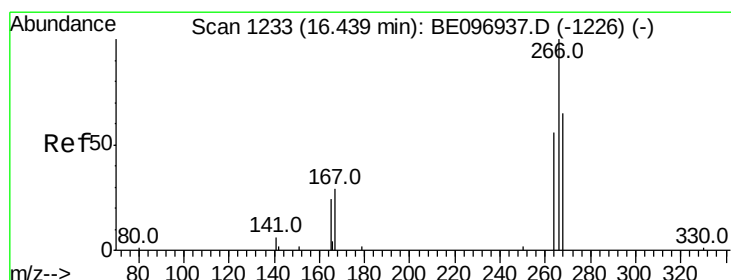
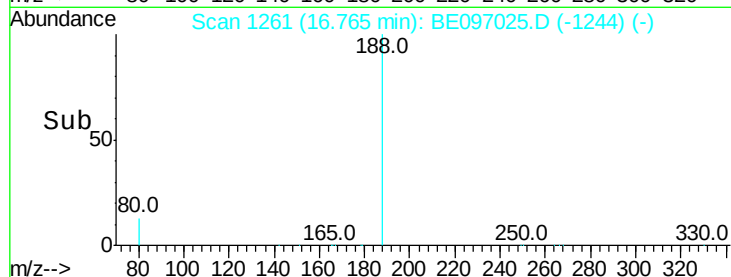
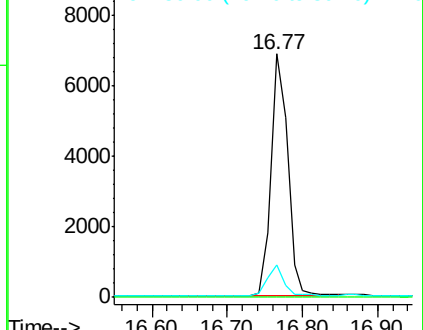
80 13.4 3.6 5.4#



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



#22

Pentachlorophenol

Concen: Below Cal

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

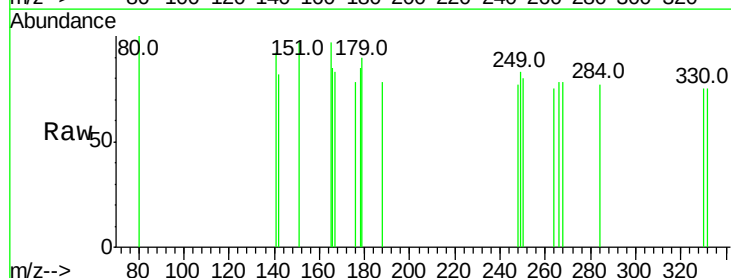
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 95.7 72.5 108.7

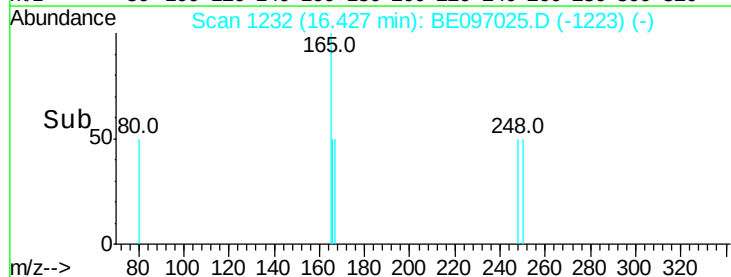
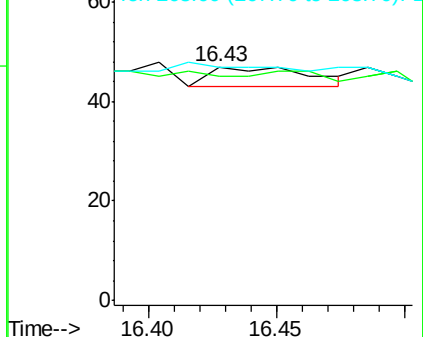
268 100.0 73.8 110.6

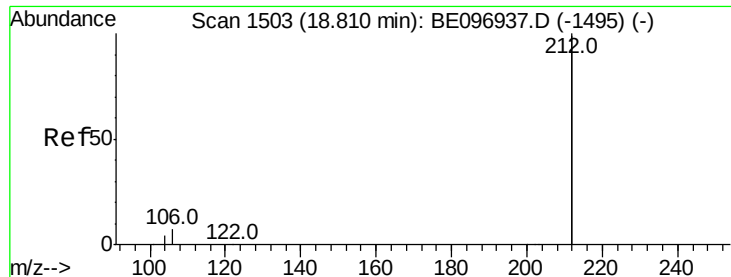


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.287 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampled :

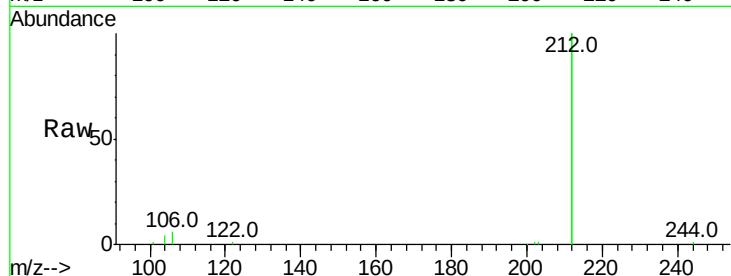
Tot Ion:212 Resp: 26098

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

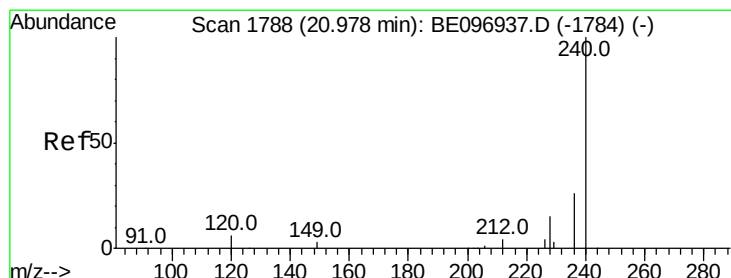
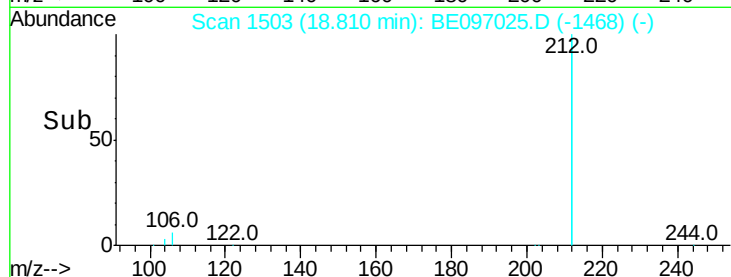
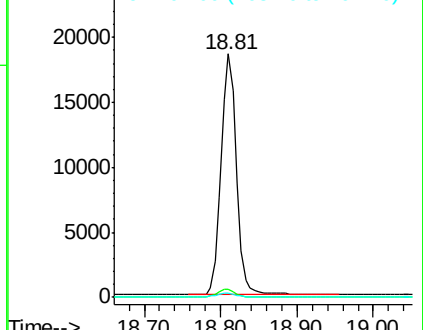
104 1.7 1.6 2.4



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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

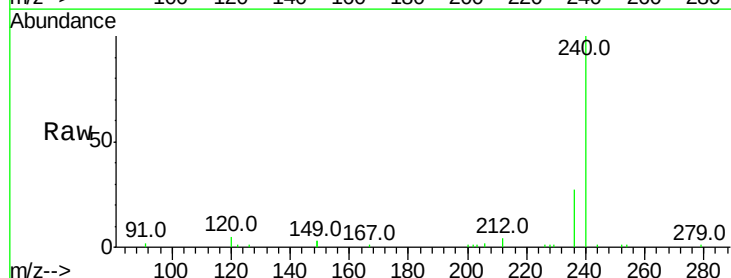
Tgt Ion:240 Resp: 9244

Ion Ratio Lower Upper

240 100

120 5.2 5.5 8.3#

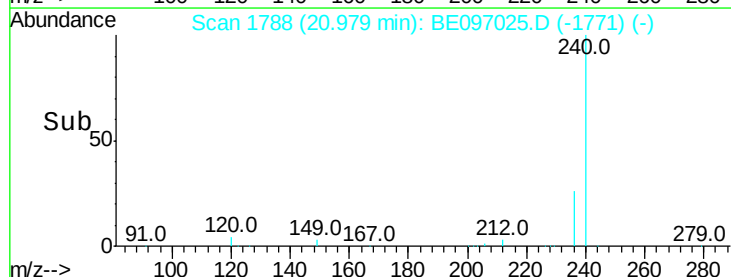
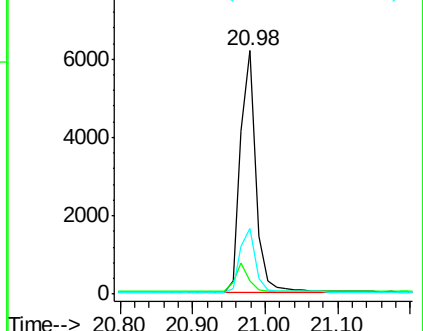
236 27.1 20.7 31.1

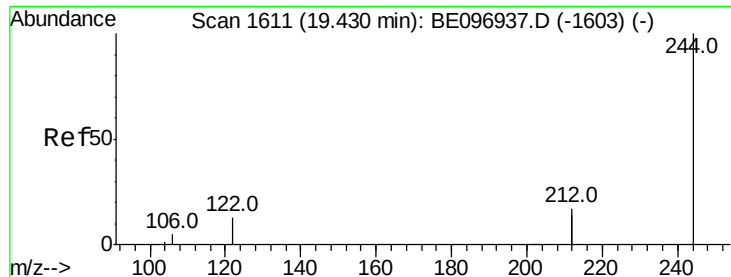


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.392 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampleId :

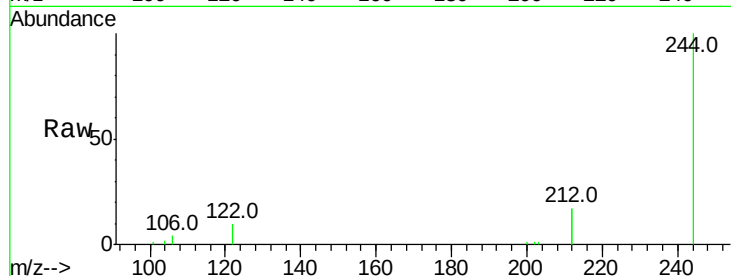
Tot Ion:244 Resp: 6986

Ion Ratio Lower Upper

244 100

212 34.7 25.4 38.0

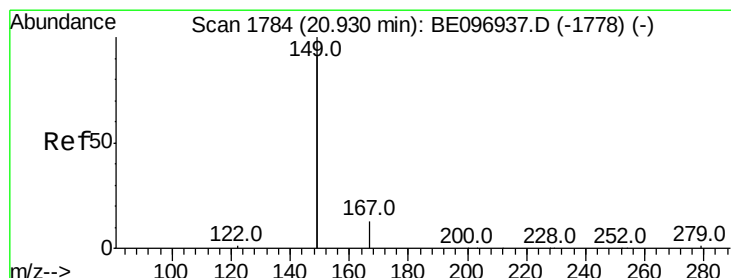
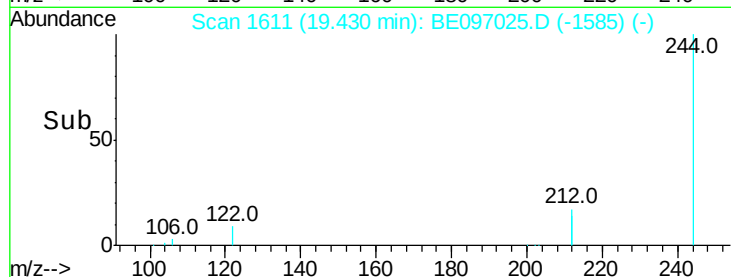
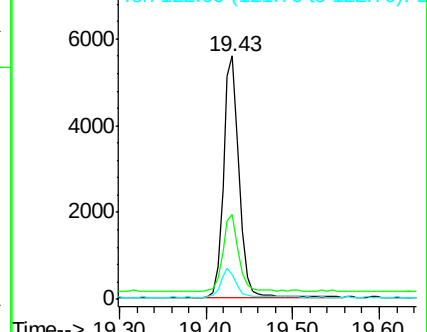
122 10.0 8.1 12.1



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: 0.041 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

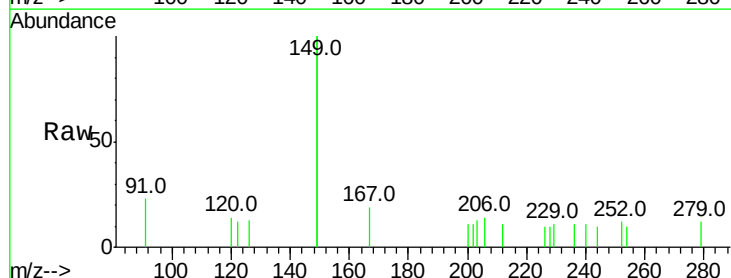
Tgt Ion:149 Resp: 907

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

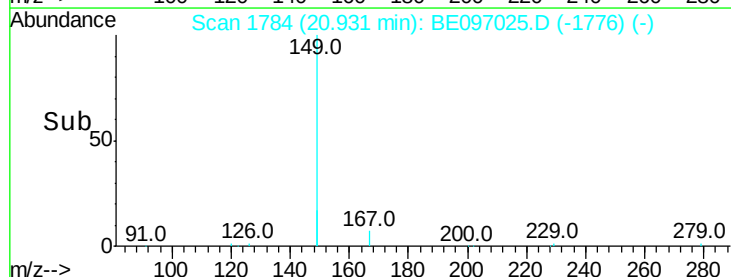
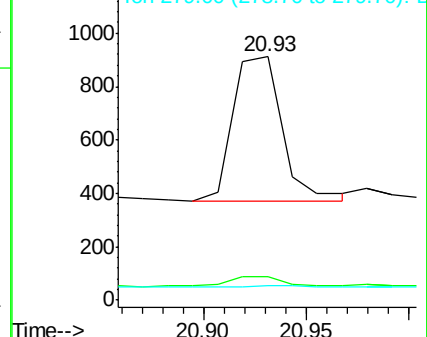
279 1.5 0.7 1.1#

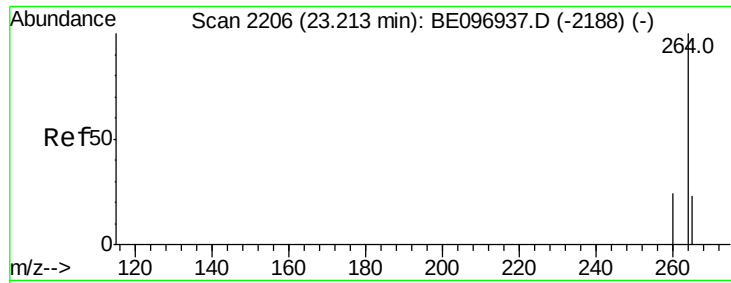


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

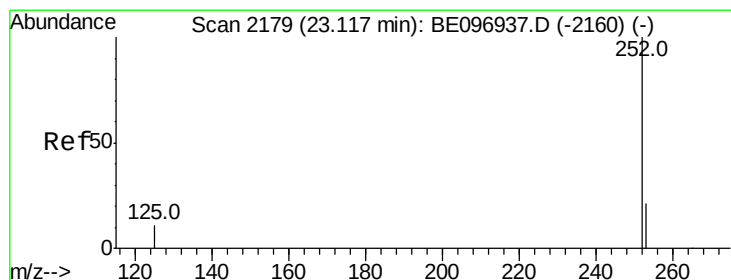
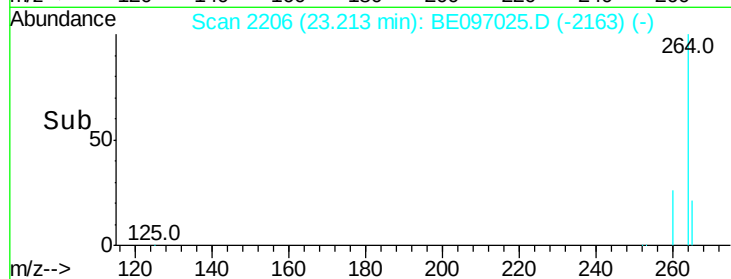
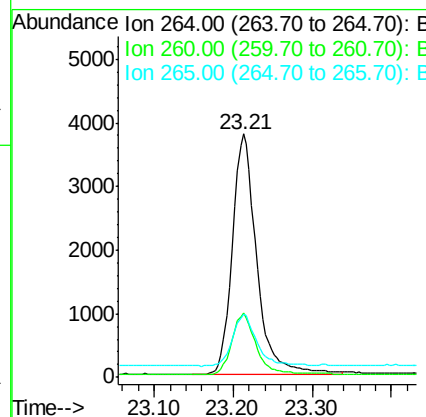
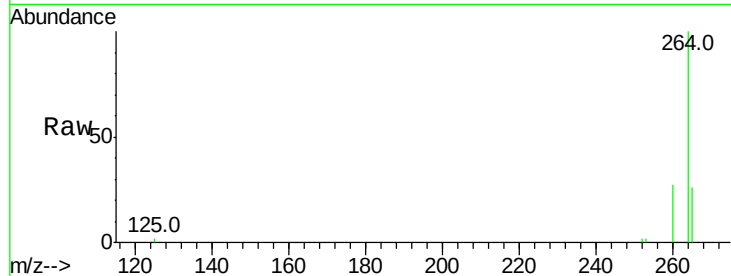




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE097025.D
Acq: 20 Jul 2018 11:35

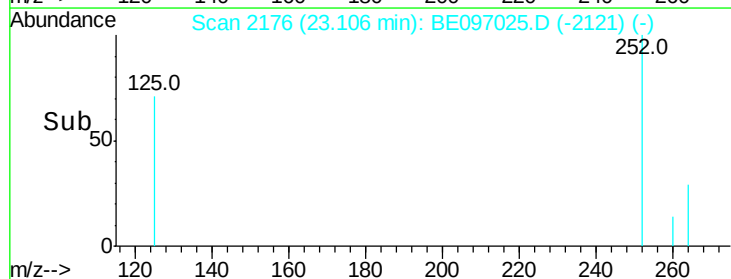
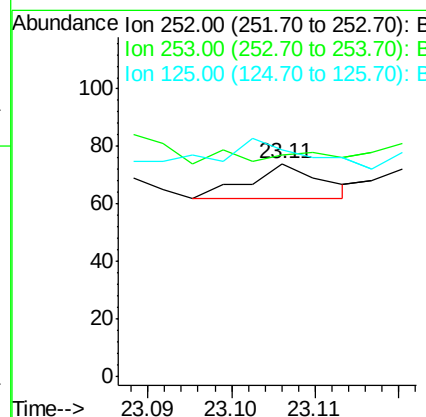
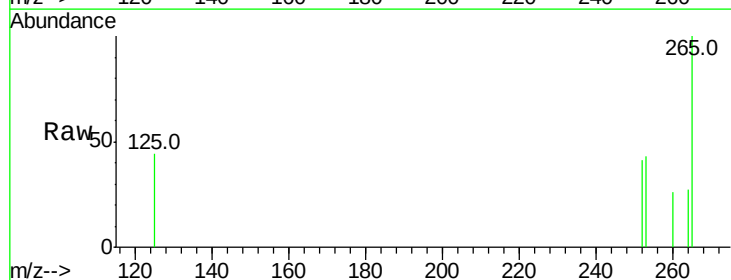
Instrument :
BNA_E
ClientSampleId :

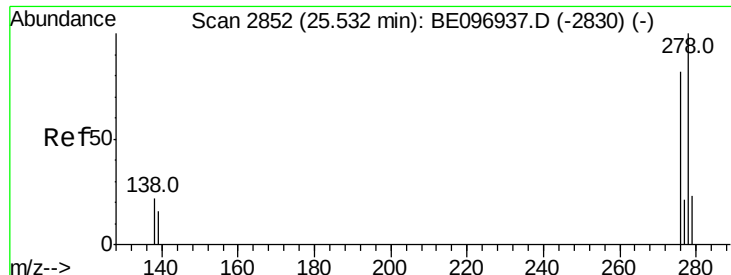
Tot Ion:264 Resp: 8122
Ion Ratio Lower Upper
264 100
260 26.6 20.5 30.7
265 25.8 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.102 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE097025.D
Acq: 20 Jul 2018 11:35

Tgt Ion:252 Resp: 7
Ion Ratio Lower Upper
252 100
253 104.1 16.0 24.0#
125 106.8 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2850

Delta R.T. -0.00 min

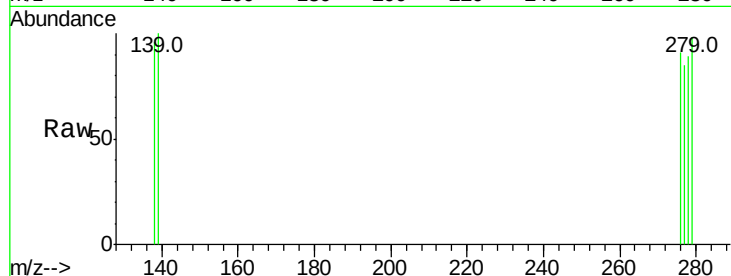
Lab File: BE097025.D

Acq: 20 Jul 2018 11:35

Instrument :

BNA_E

ClientSampleId :



Tot Ion:278 Resp: 5

Ion Ratio Lower Upper

278 100

139 112.2 16.0 24.0#

279 110.2 20.0 30.0#

