

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE071918\
 Data File : BE097013.D
 Acq On : 19 Jul 2018 20:10
 Operator : SJ/JU
 Sample : J4014-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB01-071318

Quant Time: Jul 20 04:33:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1465	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6639	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	4034	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11752	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	11960	0.40	ng	0.00
34) Perylene-d12	23.21	264	11022	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	46	0.01	ng	0.01
5) Phenol-d6	6.61	99	71	0.01	ng	0.01
8) Nitrobenzene-d5	8.53	82	2337	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3978	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	94	0.15	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	7349	0.49	ng	0.00
25) Fluoranthene-d10	18.81	212	58705	0.57	ng	0.00
29) Terphenyl-d14	19.43	244	12177	0.53	ng	0.00

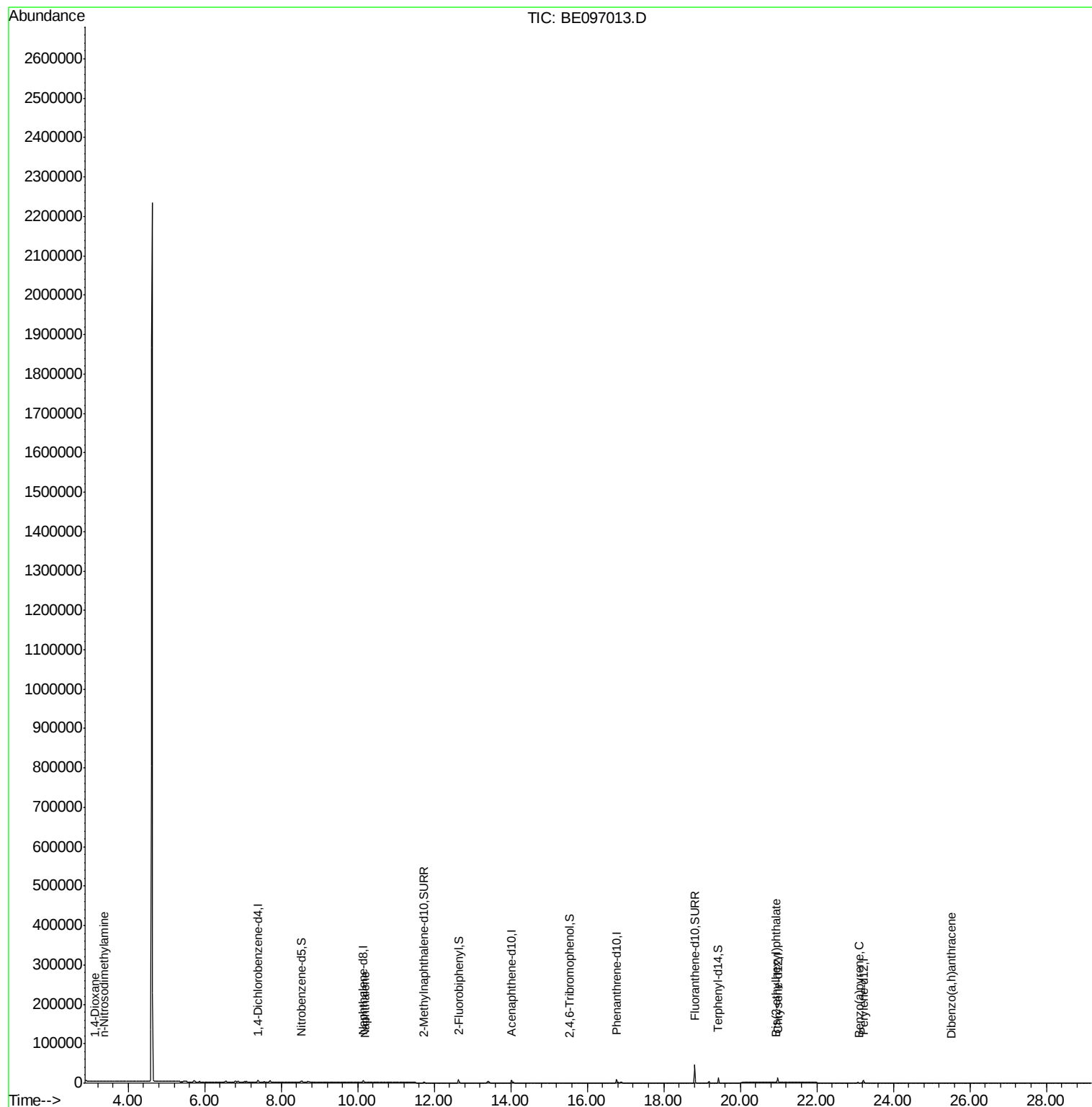
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	44	0.021	ng	# 16
3) n-Nitrosodimethylamine	3.37	42	68	0.029	ng	# 1
9) Naphthalene	10.20	128	1628	0.027	ng	# 90
22) Pentachlorophenol	16.46	266	8	Below Cal		96
32) Bis(2-ethylhexyl)phthalate	20.93	149	2479	0.087	ng	100
37) Benzo(a)pyrene	23.12	252	13	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	4	0.118	ng	# 1

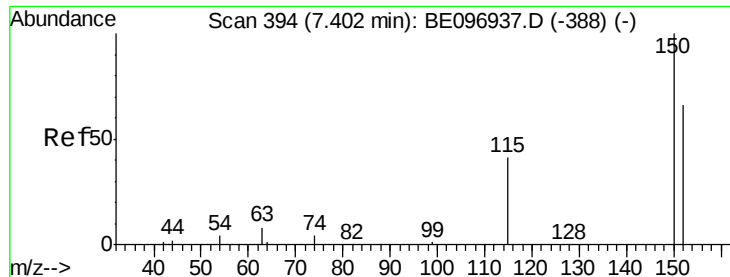
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

FB01-071318

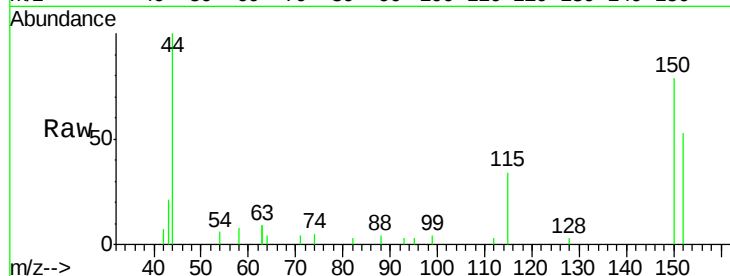
Tgt Ion:152 Resp: 1465

Ion Ratio Lower Upper

152 100

150 148.8 117.2 175.8

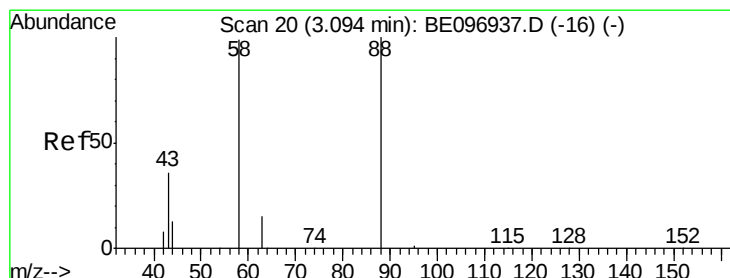
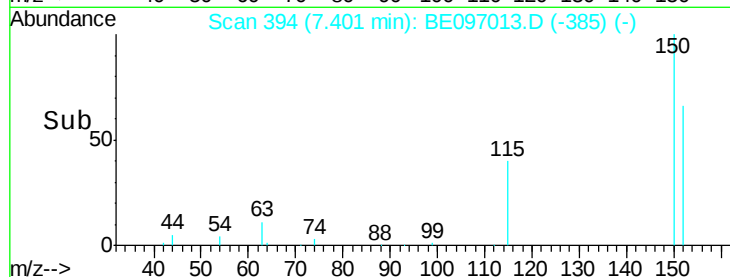
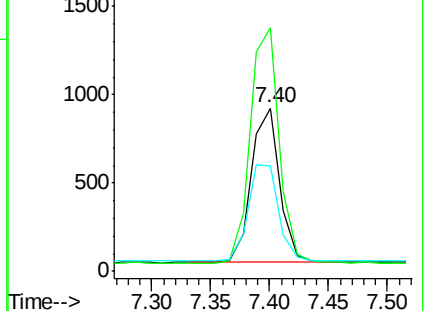
115 64.6 57.0 85.6



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



#2

1,4-Dioxane

Concen: 0.021 ng

RT: 3.12 min Scan# 22

Delta R.T. 0.02 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

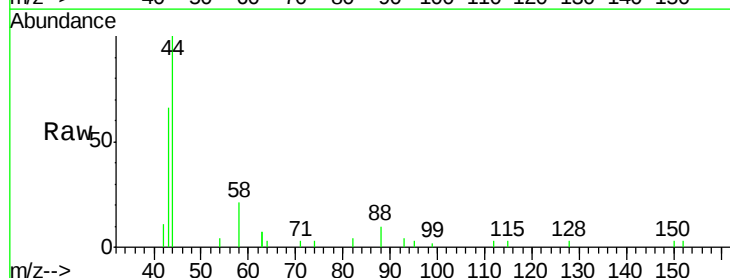
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

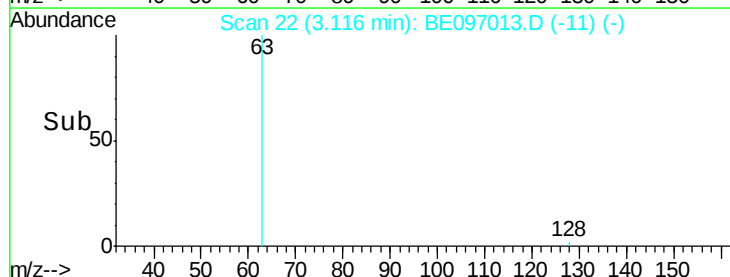
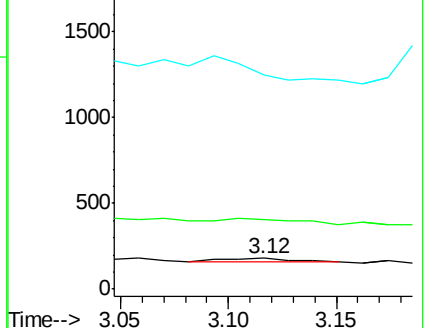
43 0.0 41.2 61.8#

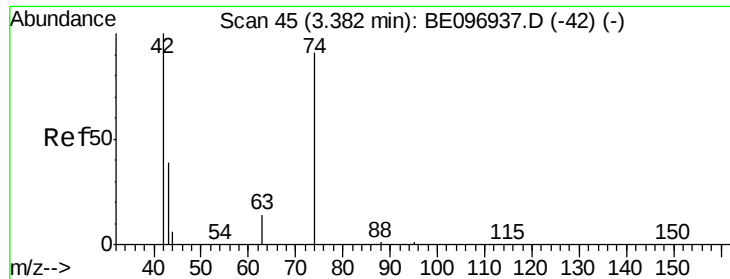


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.029 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

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ClientSampleId :

FB01-071318

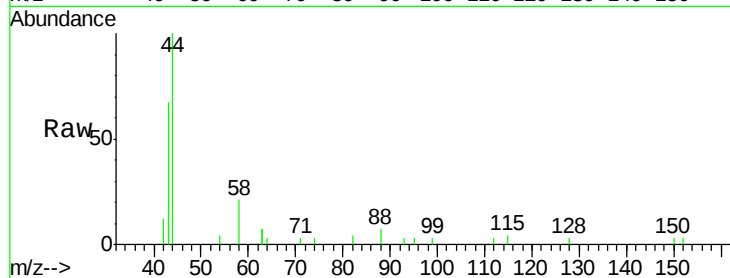
Tgt Ion: 42 Resp: 68

Ion Ratio Lower Upper

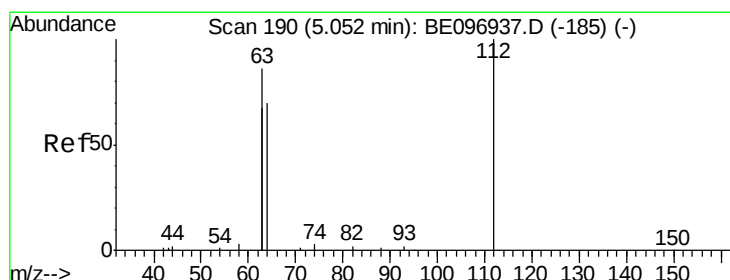
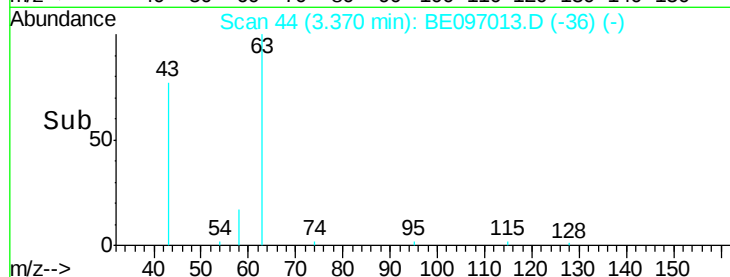
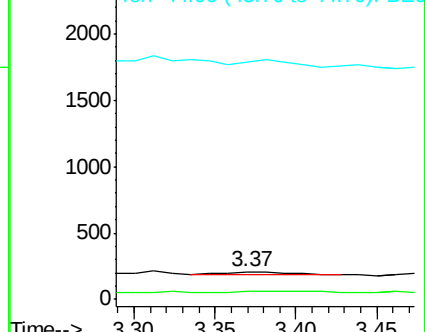
42 100

74 22.1 96.0 144.0#

44 173.5 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: 0.013 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

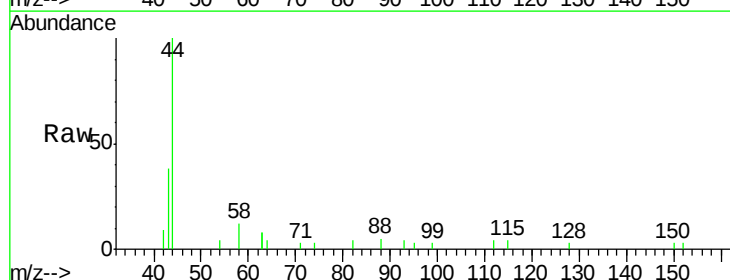
Tgt Ion: 112 Resp: 46

Ion Ratio Lower Upper

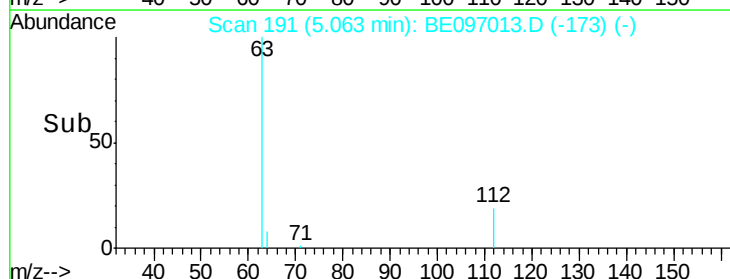
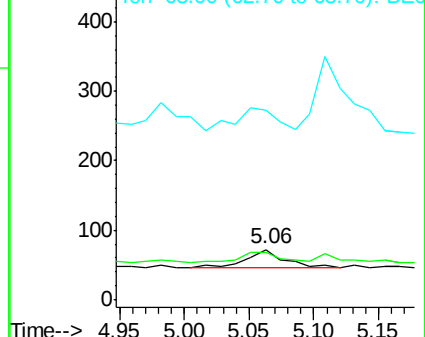
112 100

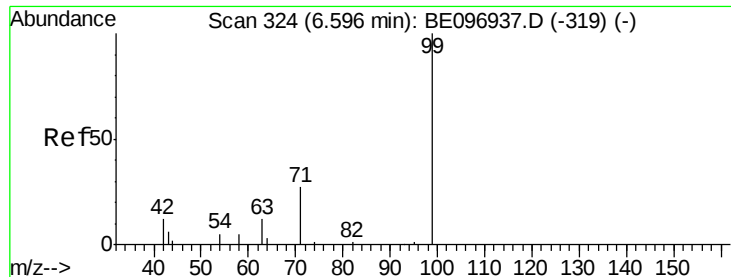
64 78.3 60.1 90.1

63 171.7 116.8 175.2



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: 0.013 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

FB01-071318

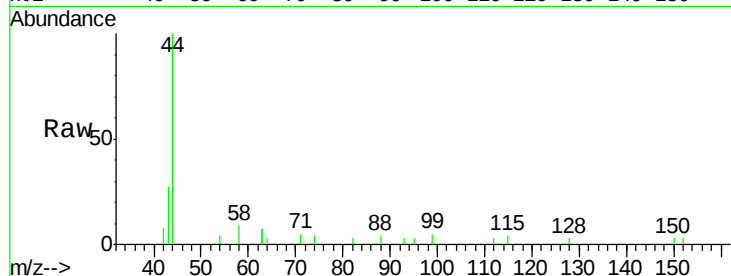
Tgt Ion: 99 Resp: 71

Ion Ratio Lower Upper

99 100

42 81.7 20.2 30.2#

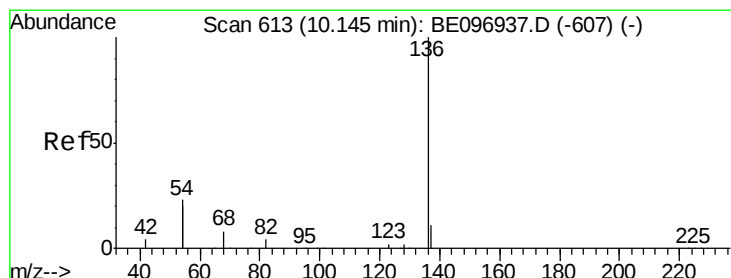
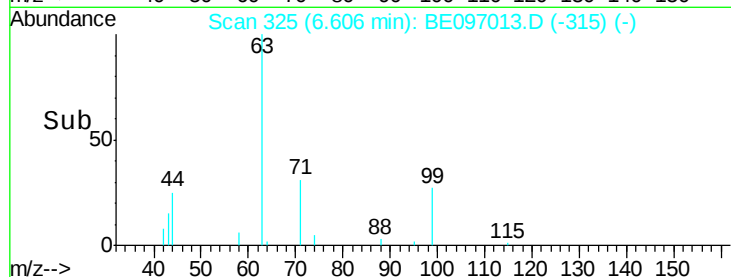
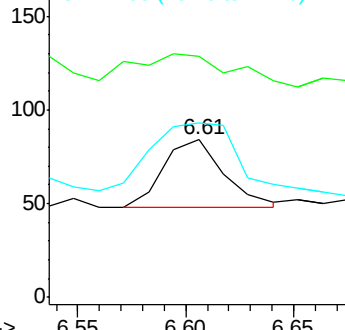
71 138.0 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Tgt Ion: 136 Resp: 6639

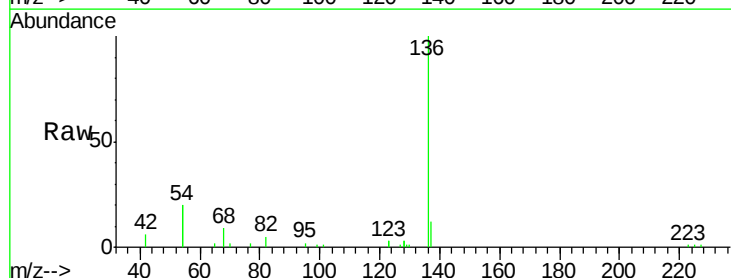
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 40.7 29.1 43.7

68 8.5 6.2 9.2

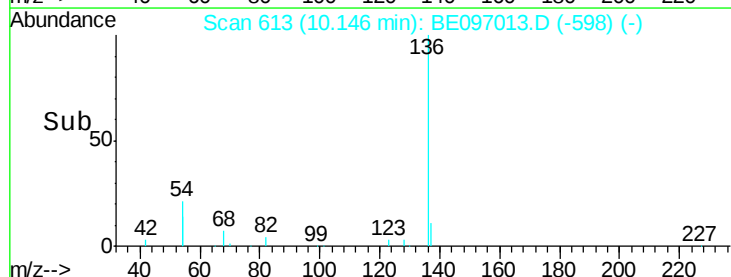
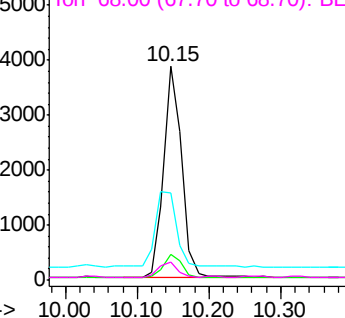


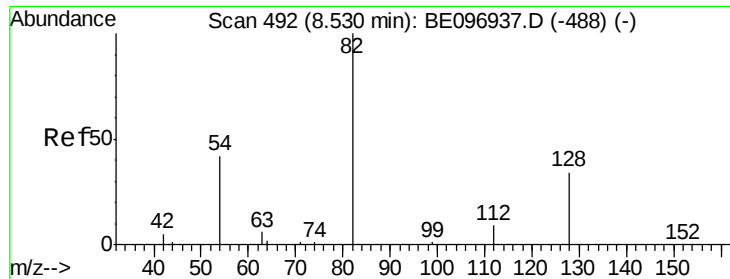
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.483 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

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FB01-071318

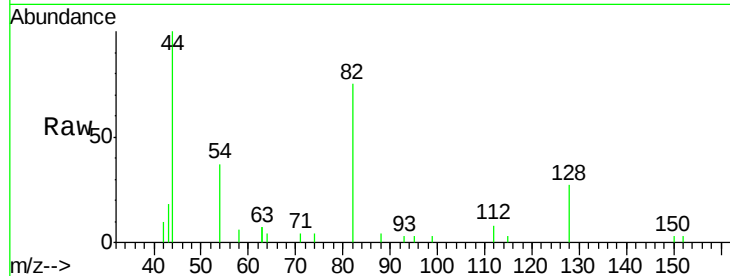
Tgt Ion: 82 Resp: 2337

Ion Ratio Lower Upper

82 100

128 36.0 24.0 36.0

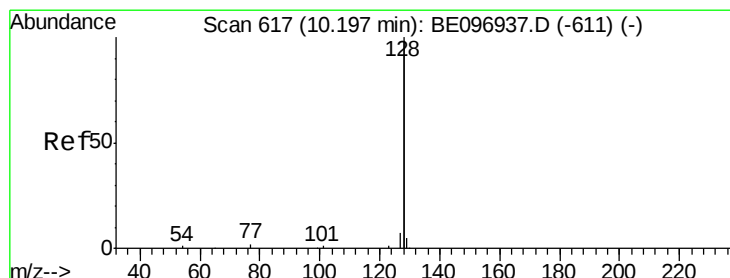
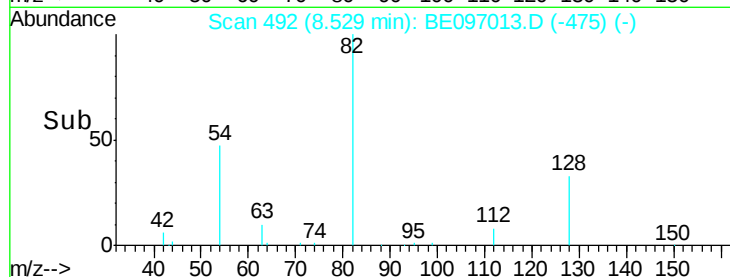
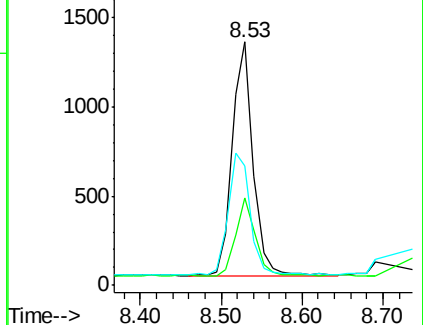
54 48.9 40.0 60.0



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



#9

Naphthalene

Concen: 0.027 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

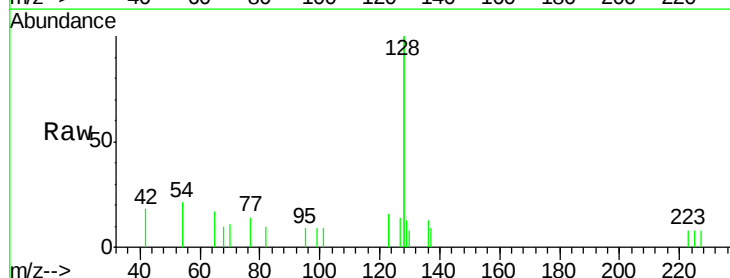
Tgt Ion: 128 Resp: 1628

Ion Ratio Lower Upper

128 100

129 6.3 2.6 3.8#

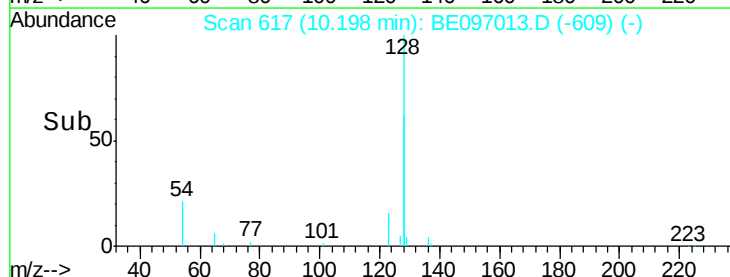
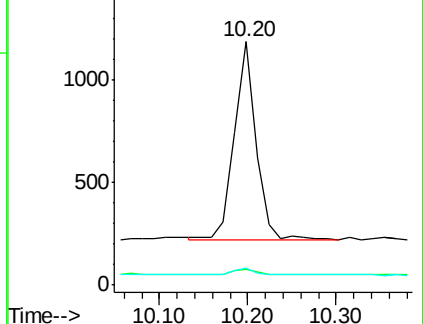
127 6.8 2.8 4.2#

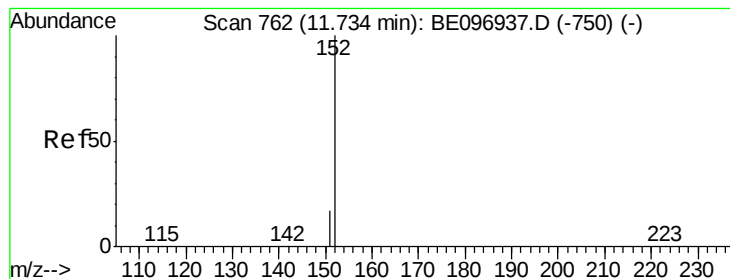


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.411 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

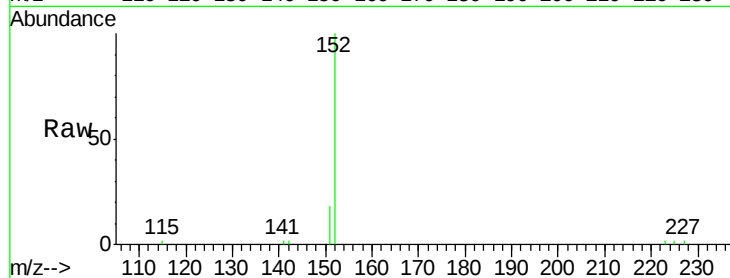
FB01-071318

Tgt Ion:152 Resp: 3978

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

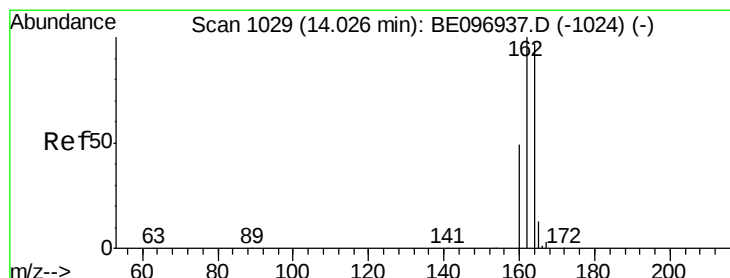
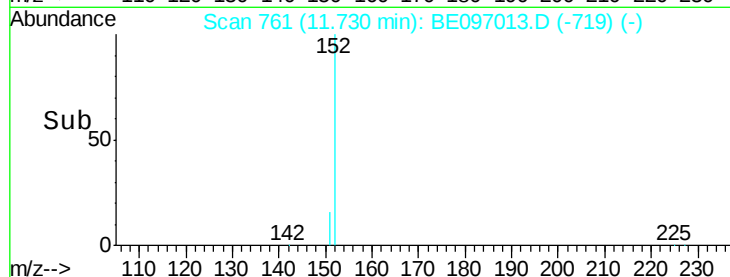
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

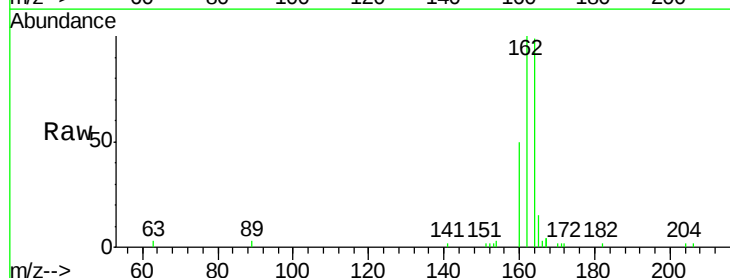
Tgt Ion:164 Resp: 4034

Ion Ratio Lower Upper

164 100

162 100.6 83.1 124.7

160 50.0 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

3000

2500

2000

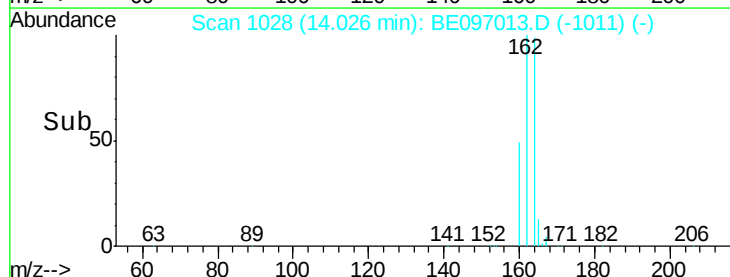
1500

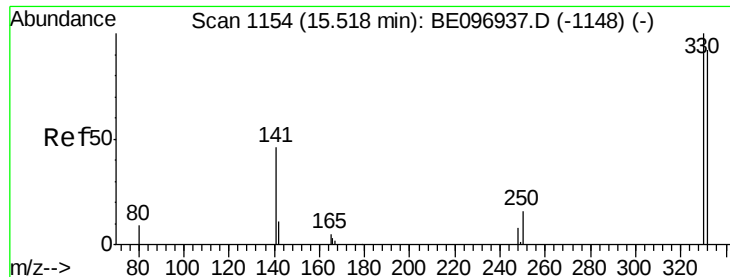
1000

500

0

Time--> 14.00 14.20

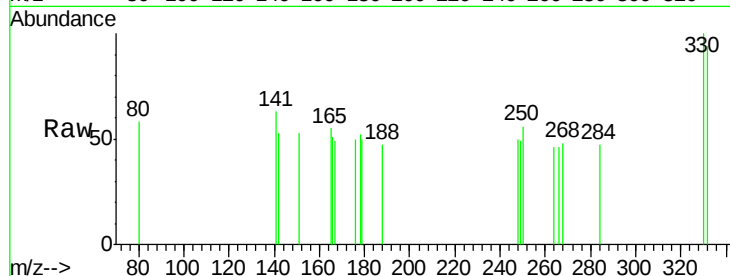




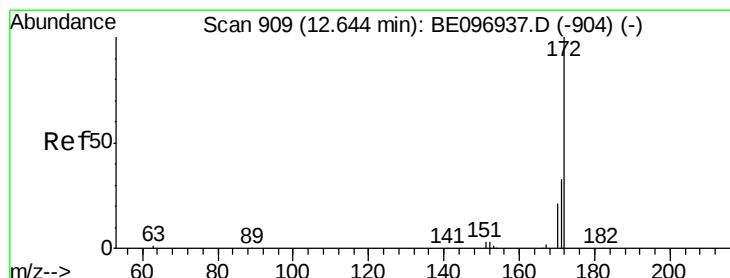
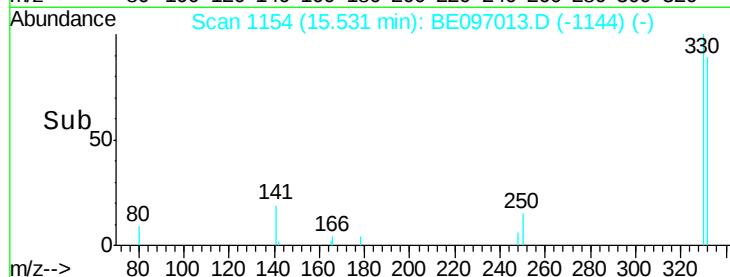
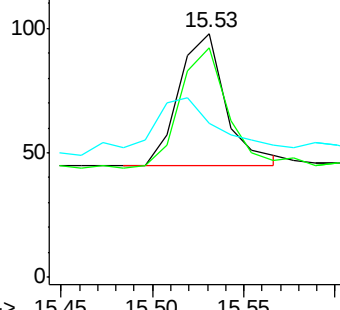
#14
 2,4,6-Tribromophenol
 Concen: 0.147 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE097013.D
 Acq: 19 Jul 2018 20:10

Instrument :
 BNA_E
 ClientSampleId :
 FB01-071318

Tgt Ion: 330 Resp: 94
 Ion Ratio Lower Upper
 330 100
 332 93.6 152.7 229.1#
 141 66.0 33.7 50.5#

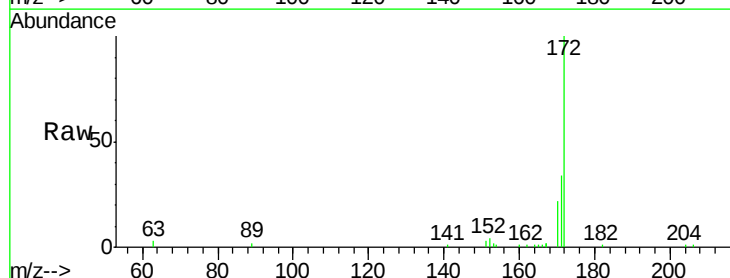


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

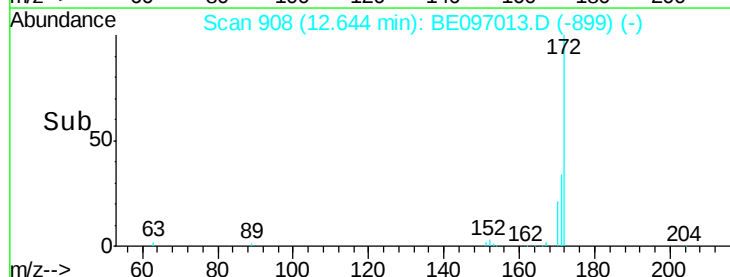
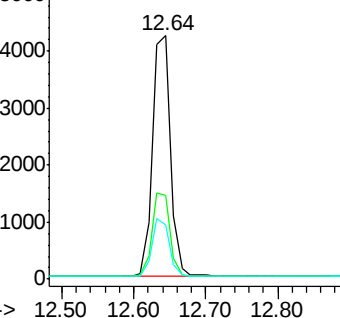


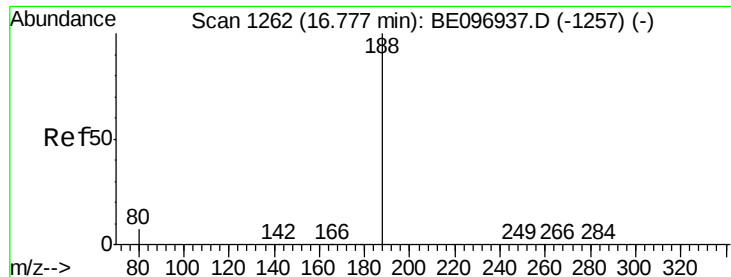
#15
 2-Fluorobiphenyl
 Concen: 0.490 ng
 RT: 12.64 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097013.D
 Acq: 19 Jul 2018 20:10

Tgt Ion: 172 Resp: 7349
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.9 44.9
 170 22.1 21.8 32.8



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: 16.77 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

FB01-071318

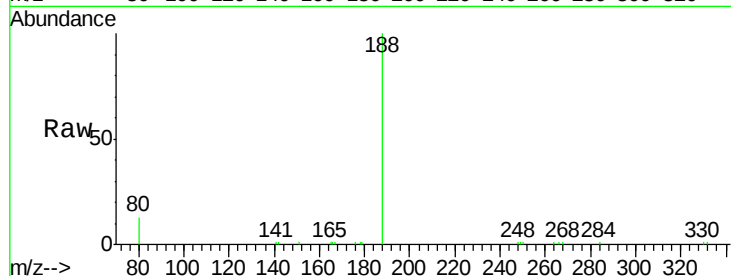
Tgt Ion:188 Resp: 11752

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

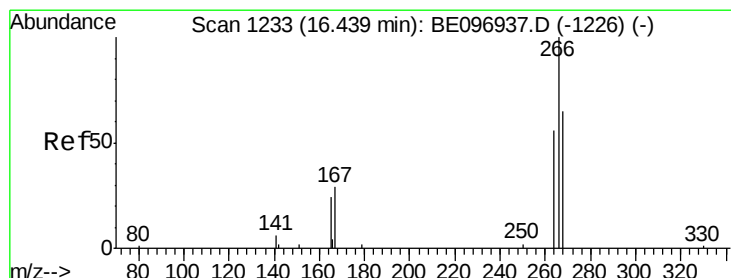
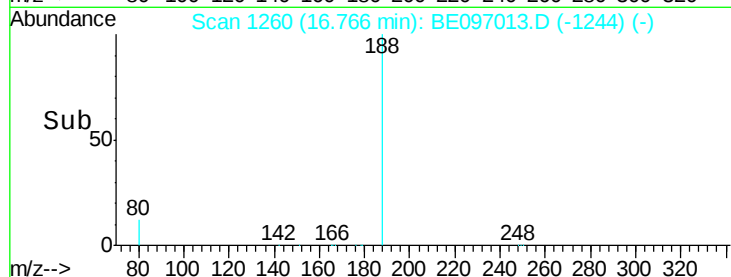
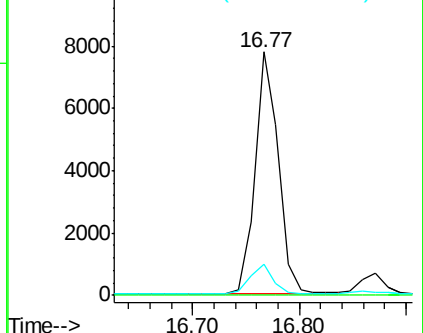
80 12.6 3.6 5.4#



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: 16.46 min Scan# 1234

Delta R.T. 0.03 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

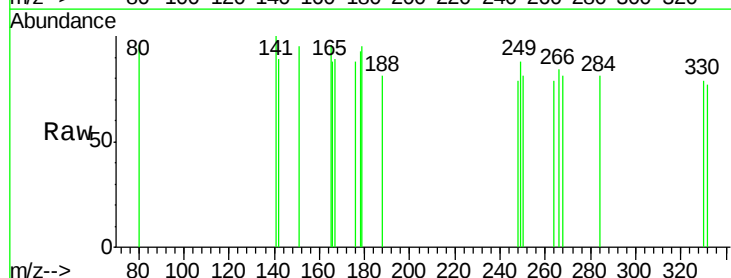
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 93.8 72.5 108.7

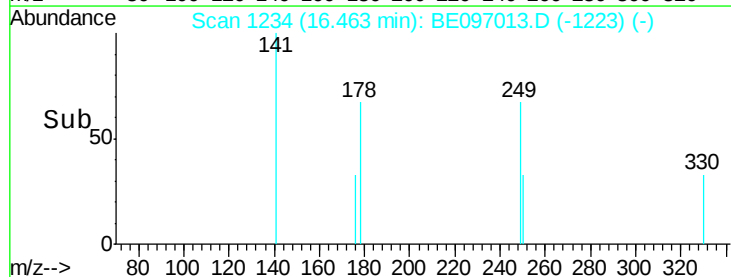
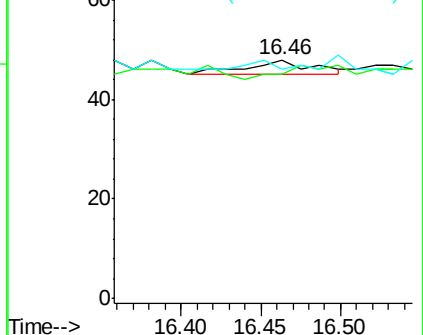
268 95.8 73.8 110.6

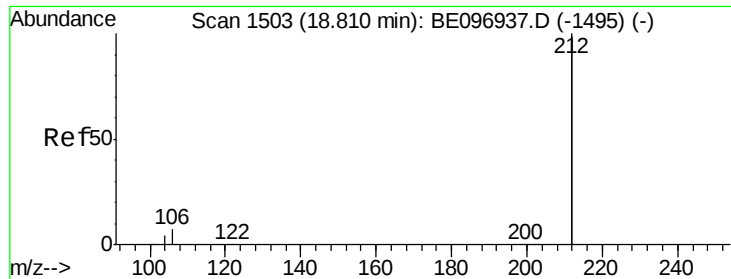


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.574 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

FB01-071318

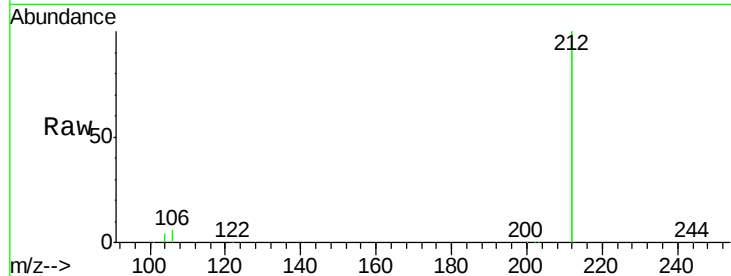
Tgt Ion:212 Resp: 58705

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

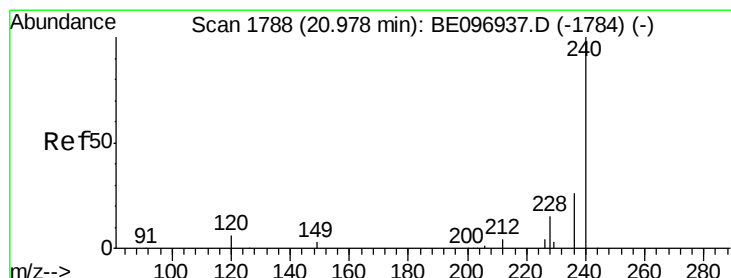
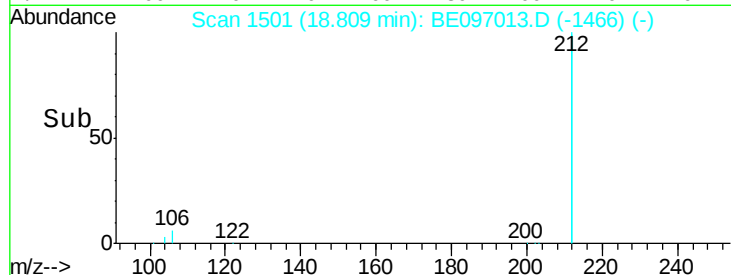
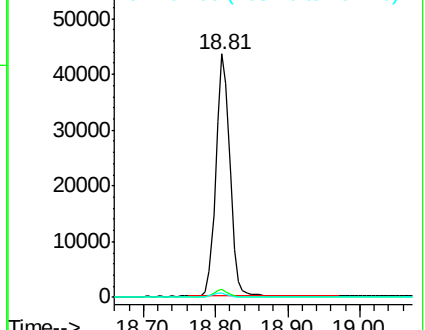
104 1.7 1.6 2.4



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# 1786

Delta R.T. 0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

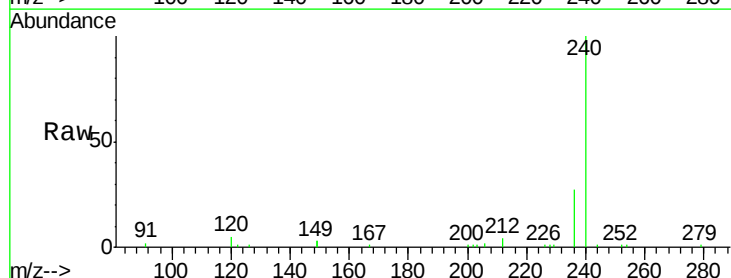
Tgt Ion:240 Resp: 11960

Ion Ratio Lower Upper

240 100

120 5.5 5.5 8.3#

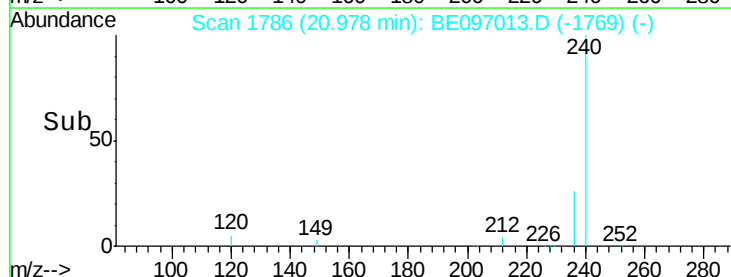
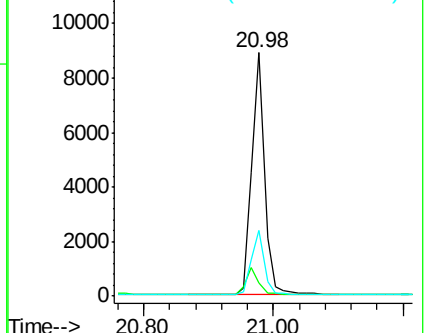
236 27.1 20.7 31.1

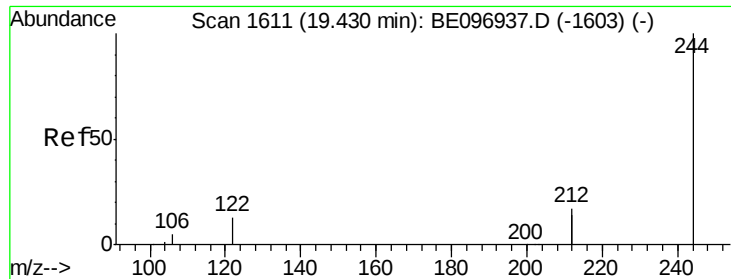


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.528 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

FB01-071318

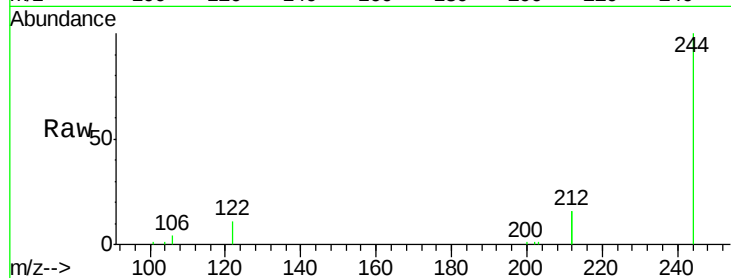
Tgt Ion:244 Resp: 12177

Ion Ratio Lower Upper

244 100

212 32.8 25.4 38.0

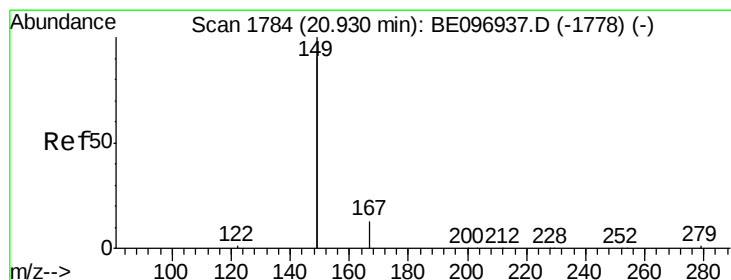
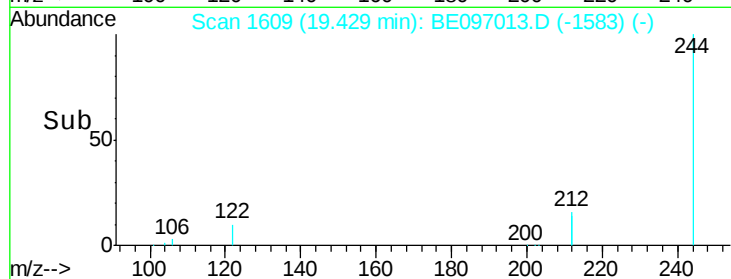
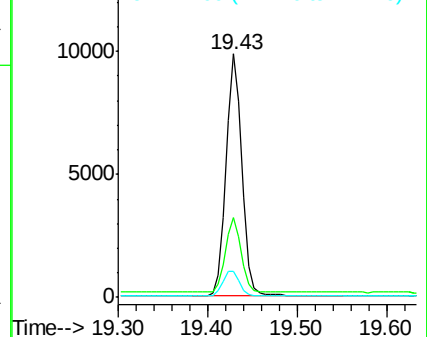
122 10.7 8.1 12.1



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: 0.087 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097013.D

Acq: 19 Jul 2018 20:10

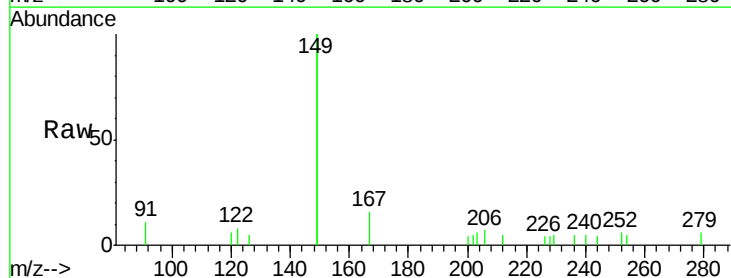
Tgt Ion:149 Resp: 2479

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

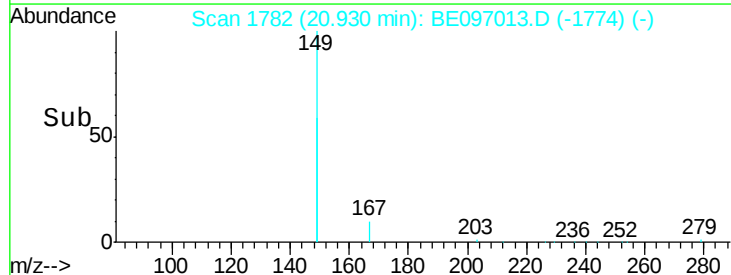
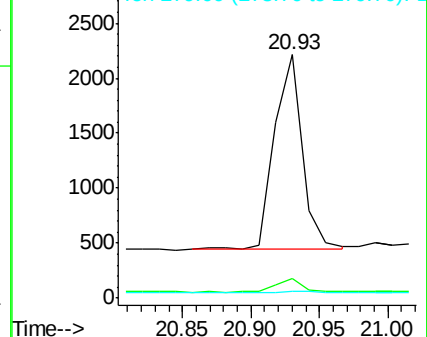
279 1.0 0.7 1.1

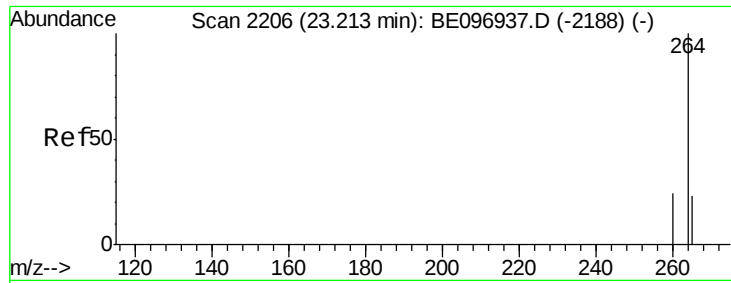


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

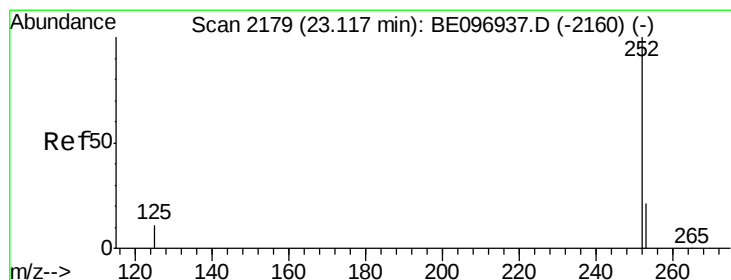
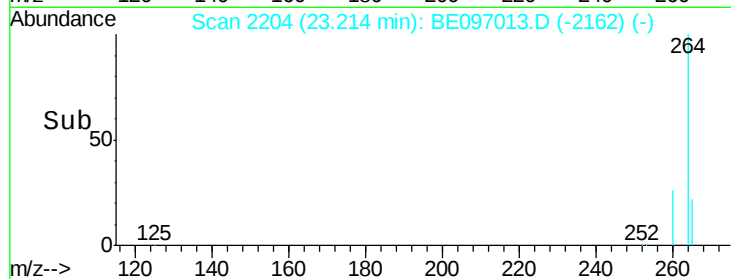
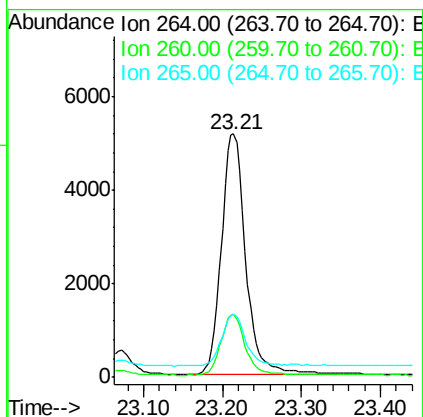
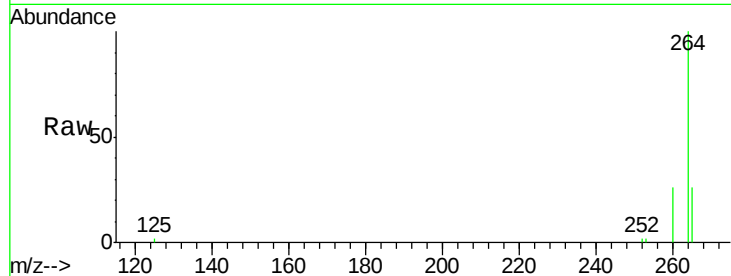




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE097013.D
 Acq: 19 Jul 2018 20:10

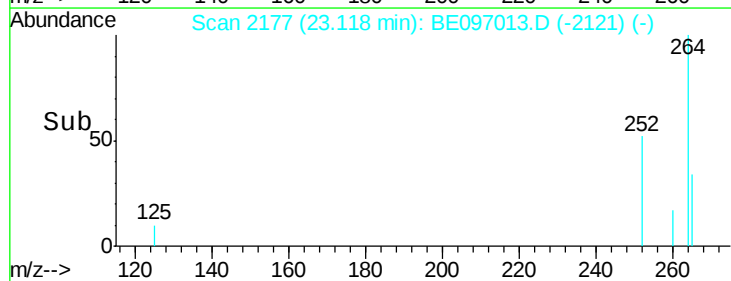
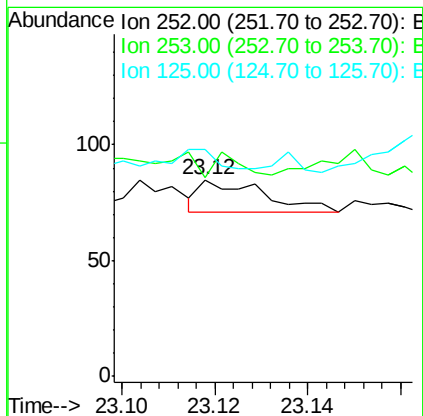
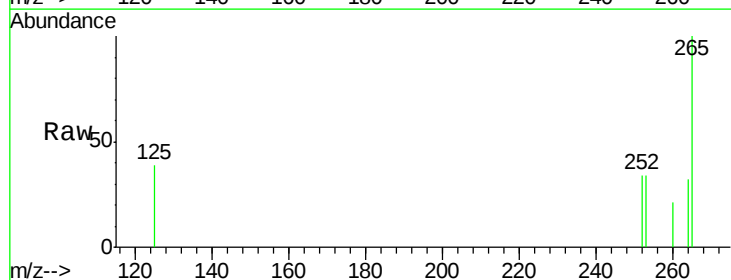
Instrument :
 BNA_E
 ClientSampleId :
 FB01-071318

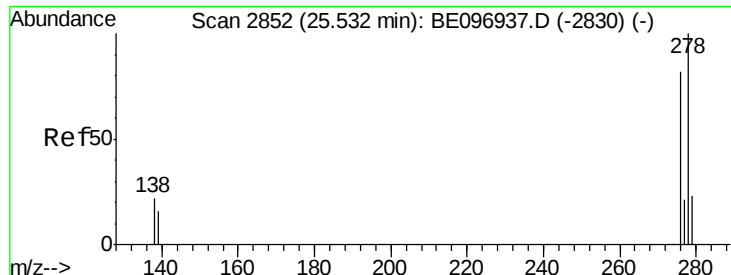
Tgt Ion: 264 Resp: 11022
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 26.1 22.8 34.2



#37
 Benzo(a)pyrene
 Concen: 0.102 ng
 RT: 23.12 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: BE097013.D
 Acq: 19 Jul 2018 20:10

Tgt Ion: 252 Resp: 13
 Ion Ratio Lower Upper
 252 100
 253 101.2 16.0 24.0#
 125 115.3 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097013.D

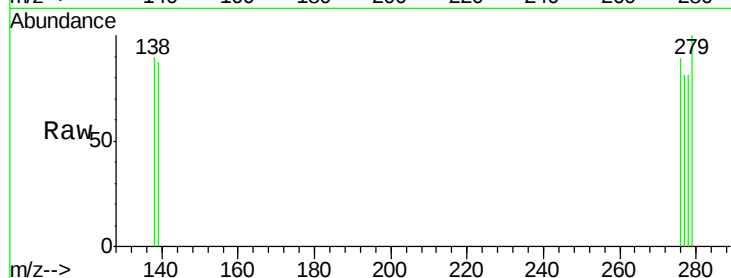
Acq: 19 Jul 2018 20:10

Instrument :

BNA_E

ClientSampleId :

FB01-071318



Tgt Ion:	278	Resp:	4
Ion	Ratio	Lower	Upper
278	100		
139	107.8	16.0	24.0#
279	123.5	20.0	30.0#

