

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
 Data File : BE097006.D
 Acq On : 19 Jul 2018 15:50
 Operator : SJ/JU
 Sample : J4014-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RB01-071218

Quant Time: Jul 19 16:37:55 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	1385	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6171	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	3741	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11287	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	10771	0.40	ng	0.00
34) Perylene-d12	23.21	264	10095	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	446	0.13	ng	0.01
5) Phenol-d6	6.60	99	408	0.08	ng	0.00
8) Nitrobenzene-d5	8.53	82	2208	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3628	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	122	0.19	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	6929	0.50	ng	-0.01
25) Fluoranthene-d10	18.81	212	54129	0.55	ng	0.00
29) Terphenyl-d14	19.43	244	11705	0.56	ng	0.00

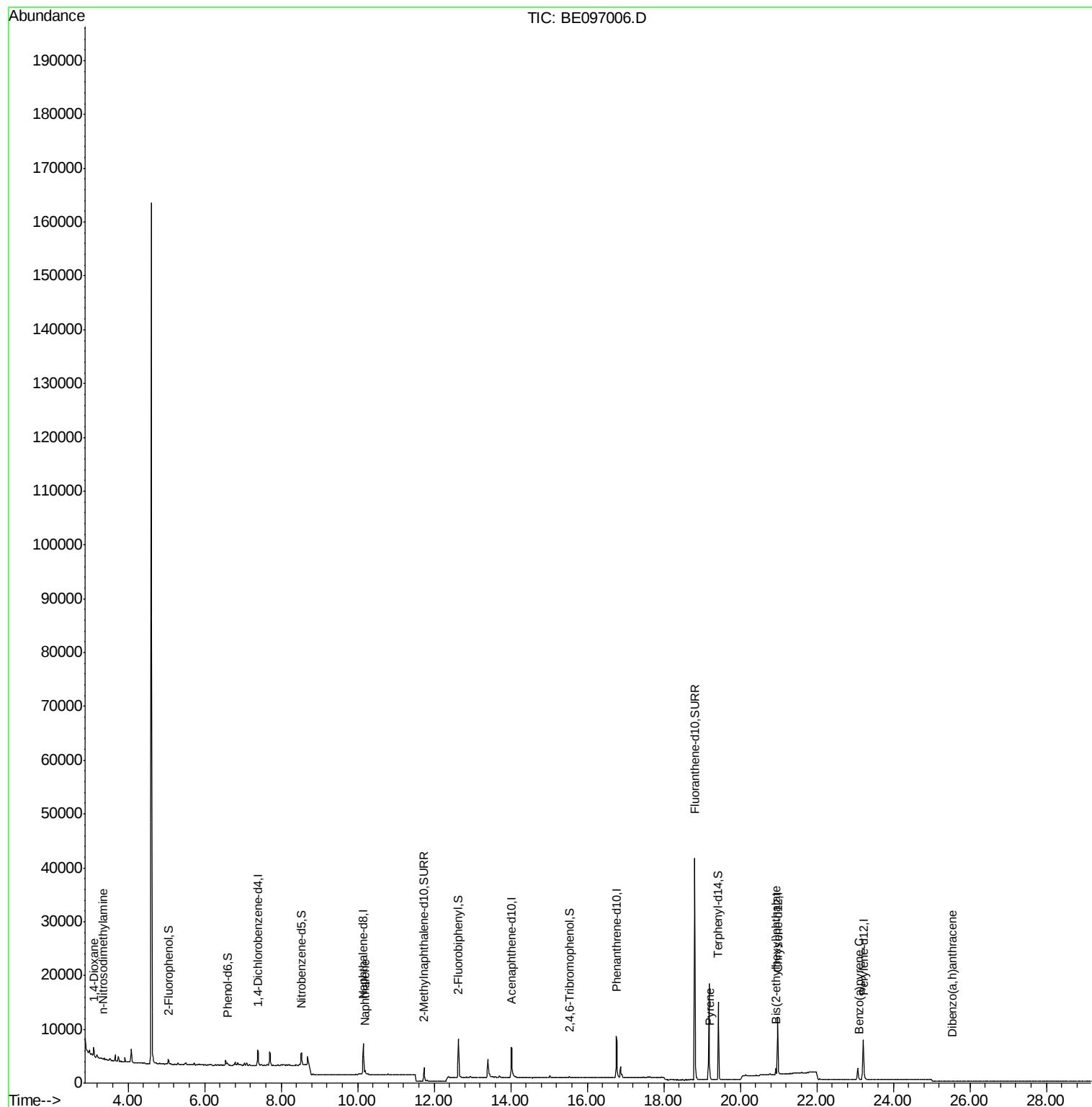
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	926	0.467	ng	# 85
3) n-Nitrosodimethylamine	3.35	42	87	0.039	ng	# 1
9) Naphthalene	10.20	128	1113	0.020	ng	# 84
22) Pentachlorophenol	16.44	266	4	Below Cal		93
28) Pyrene	19.21	202	977	0.031	ng	97
32) Bis(2-ethylhexyl)phthalate	20.93	149	1535	0.060	ng	# 100
37) Benzo(a)pyrene	23.11	252	39	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	14	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: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

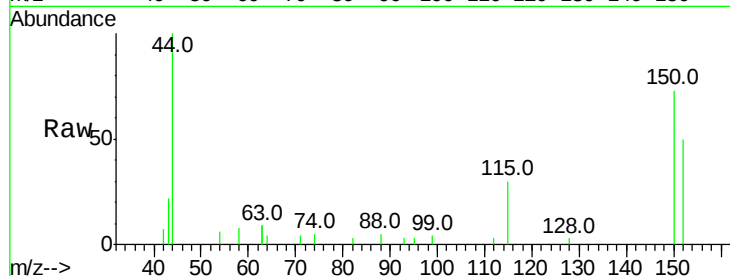
Tot Ion:152 Resp: 1385

Ion Ratio Lower Upper

152 100

150 145.5 117.2 175.8

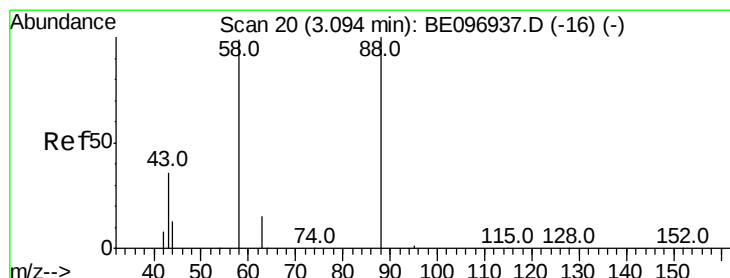
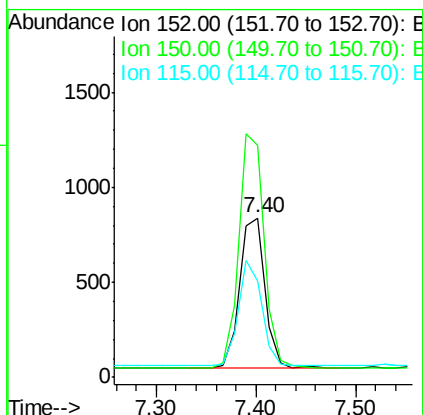
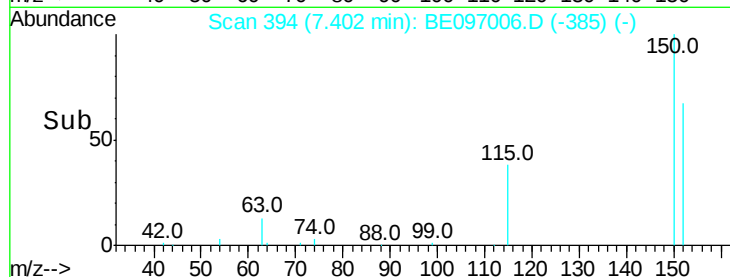
115 60.8 57.0 85.6



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: 0.467 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

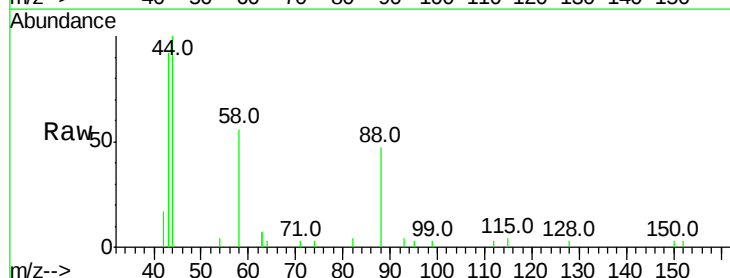
Tgt Ion: 88 Resp: 926

Ion Ratio Lower Upper

88 100

58 79.7 63.2 94.8

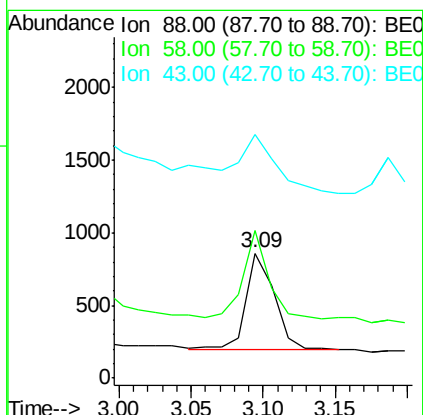
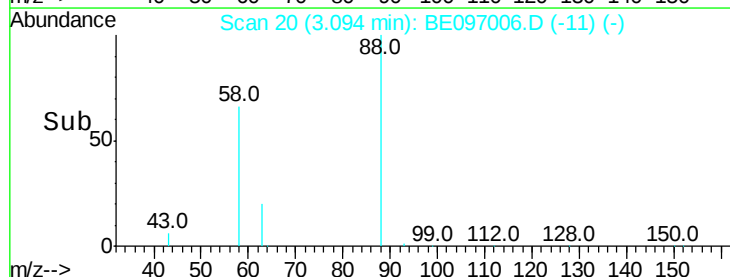
43 76.7 41.2 61.8#



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



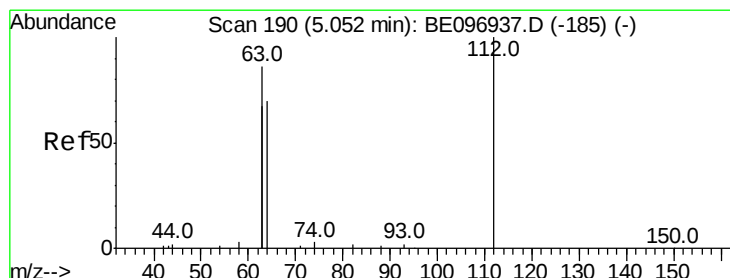
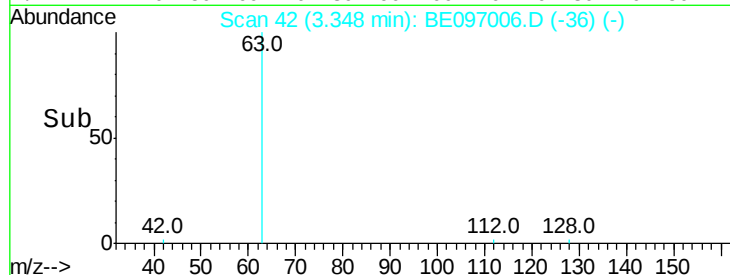
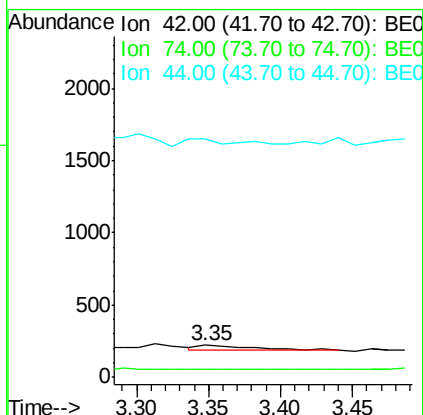
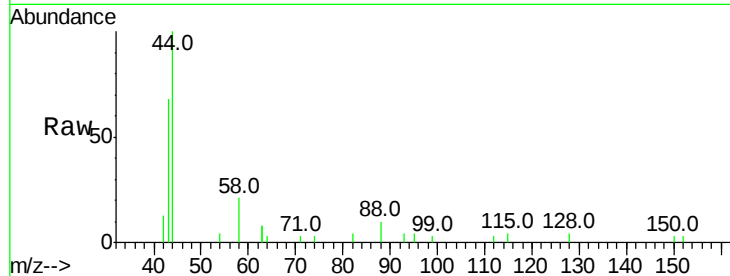


#3

n-Nitrosodimethylamine
 Concen: 0.039 ng
 RT: 3.35 min Scan# 42
 Delta R.T. -0.03 min
 Lab File: BE097006.D
 Acq: 19 Jul 2018 15:50

Instrument :
 BNA_E
 ClientSampleId :
 RB01-071218

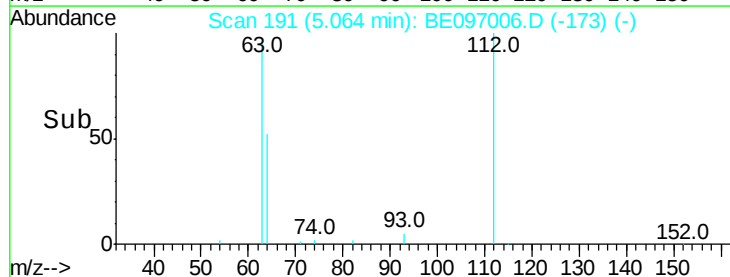
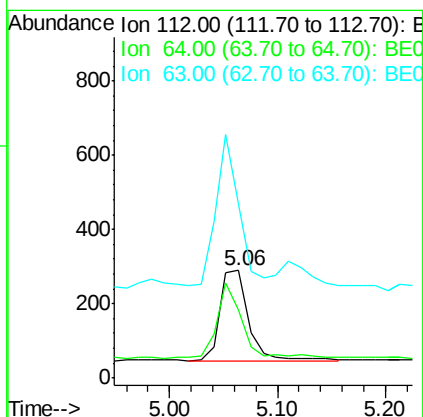
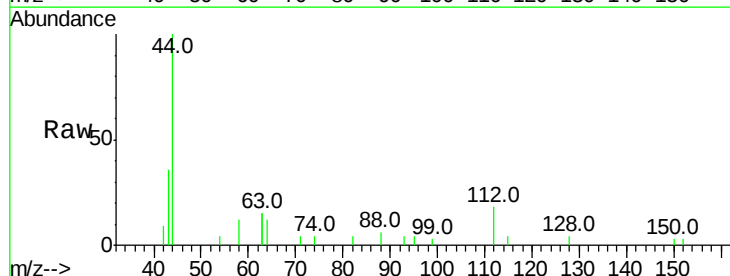
Tot Ion: 42 Resp: 87
 Ion Ratio Lower Upper
 42 100
 74 6.9 96.0 144.0#
 44 119.5 12.0 18.0#

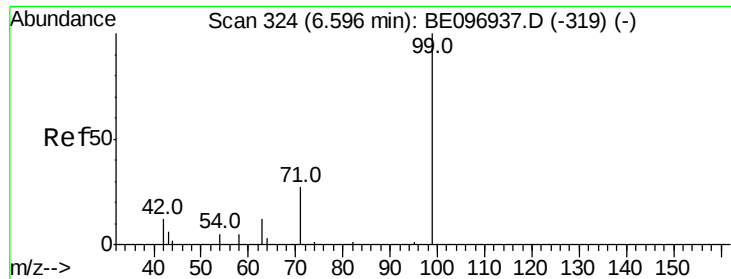


#4

2-Fluorophenol
 Concen: 0.135 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097006.D
 Acq: 19 Jul 2018 15:50

Tgt Ion: 112 Resp: 446
 Ion Ratio Lower Upper
 112 100
 64 80.5 60.1 90.1
 63 141.5 116.8 175.2





#5

Phenol-d6

Concen: 0.081 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

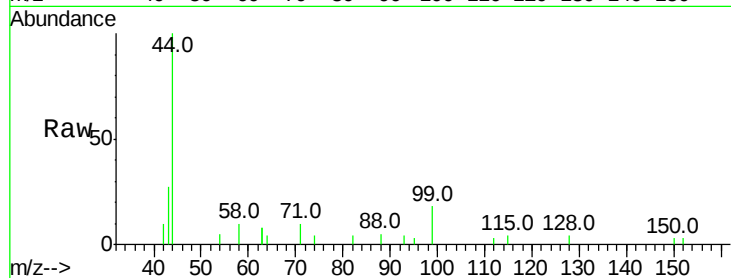
Tot Ion: 99 Resp: 408

Ion Ratio Lower Upper

99 100

42 24.3 20.2 30.2

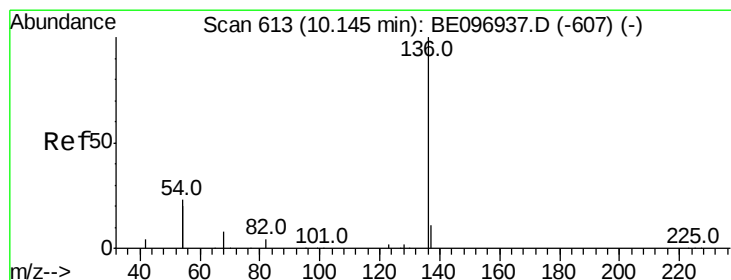
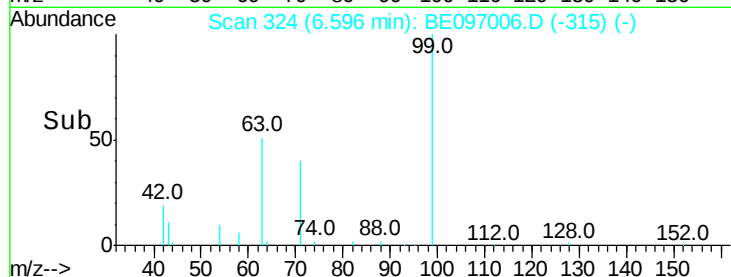
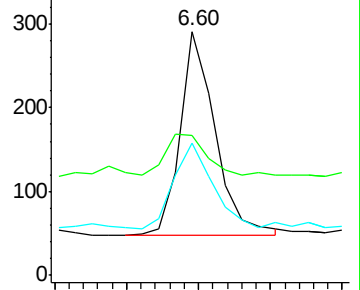
71 46.3 28.4 42.6#



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: BE097006.D

Acq: 19 Jul 2018 15:50

Tgt Ion: 136 Resp: 6171

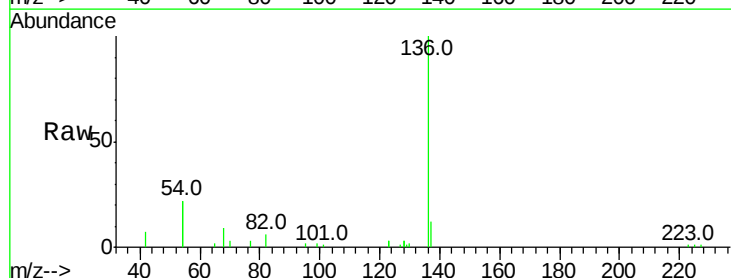
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 44.7 29.1 43.7#

68 8.6 6.2 9.2

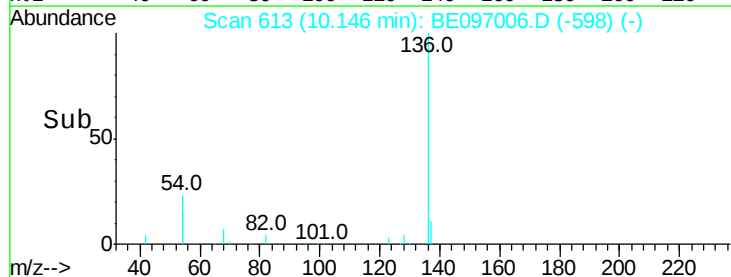
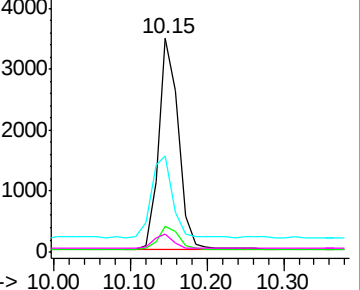


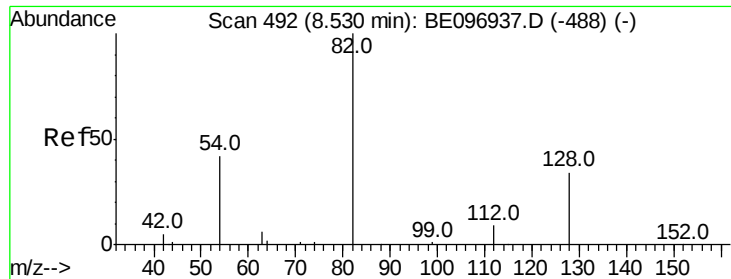
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.491 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

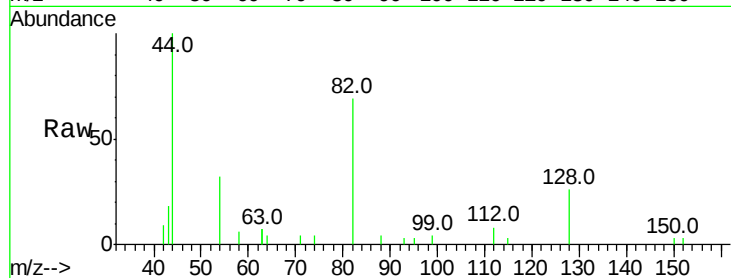
Tot Ion: 82 Resp: 2208

Ion Ratio Lower Upper

82 100

128 38.2 24.0 36.0#

54 45.9 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

8.53

1500

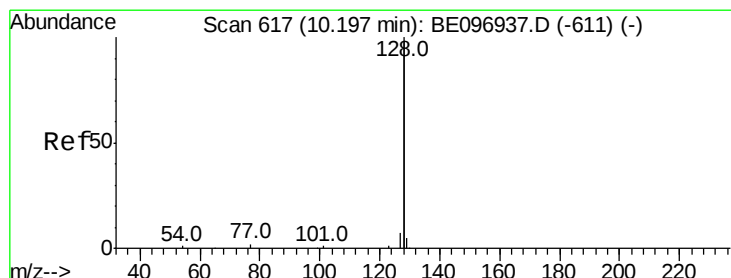
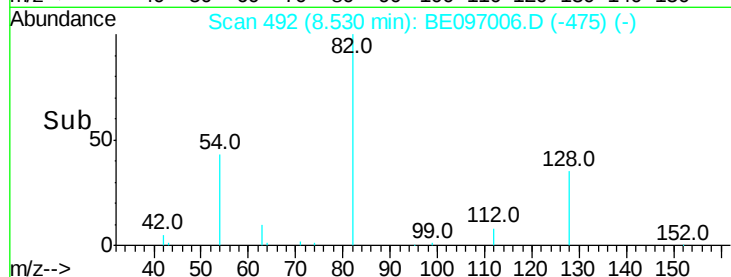
1000

500

0

8.30 8.40 8.50 8.60 8.70

Time-->



#9

Naphthalene

Concen: 0.020 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

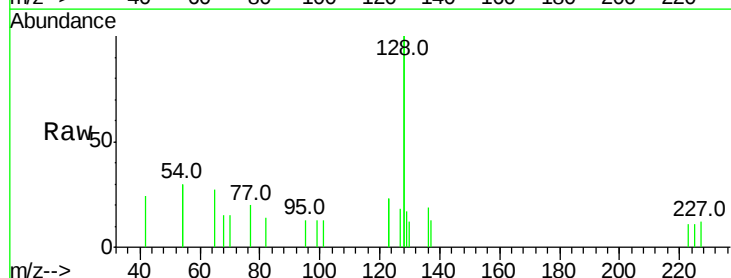
Tgt Ion:128 Resp: 1113

Ion Ratio Lower Upper

128 100

129 8.6 2.6 3.8#

127 8.8 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

10.20

1000

800

600

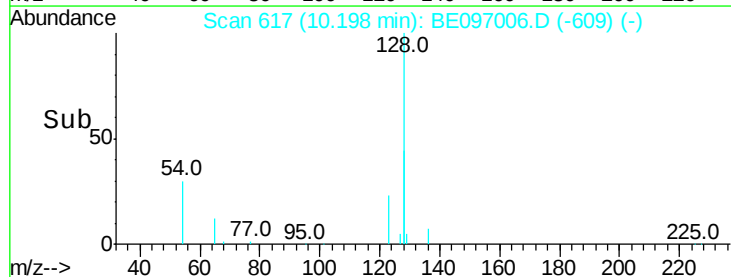
400

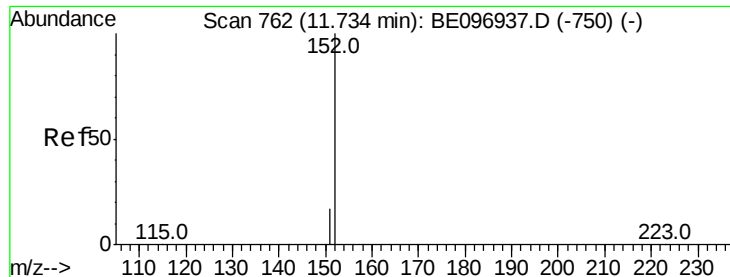
200

0

10.10 10.20 10.30

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.403 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

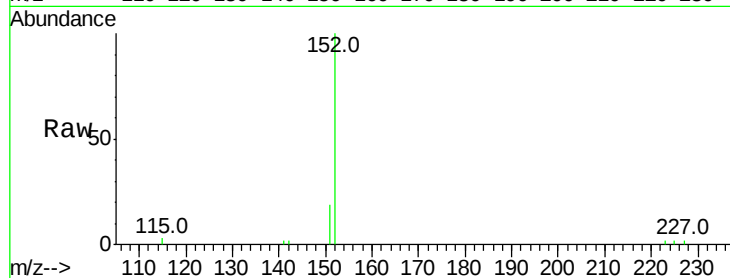
RB01-071218

Tot Ion:152 Resp: 3628

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

2500

2000

1500

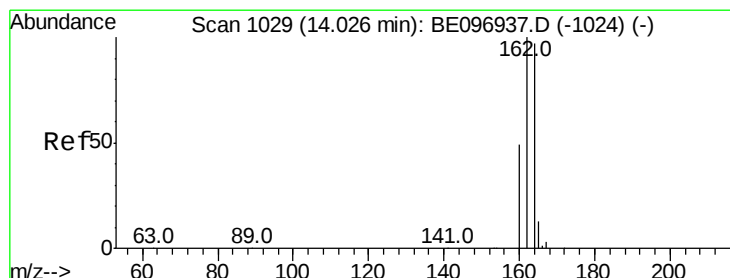
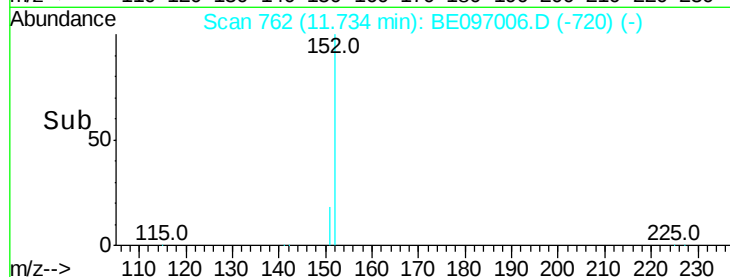
1000

500

0

Time-->

11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

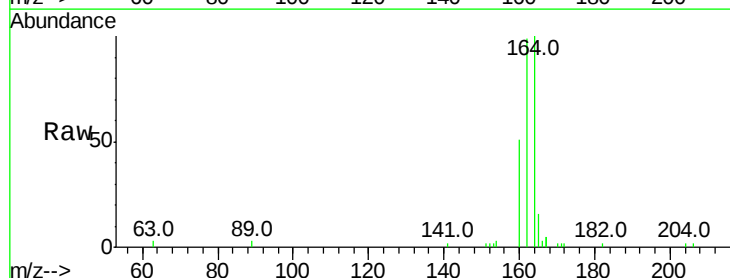
Tgt Ion:164 Resp: 3741

Ion Ratio Lower Upper

164 100

162 98.9 83.1 124.7

160 51.3 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

14.03

3000

2500

2000

1500

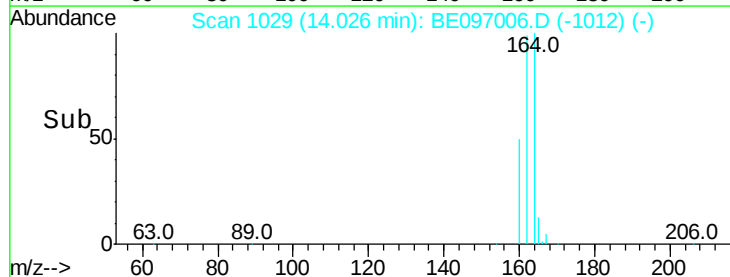
1000

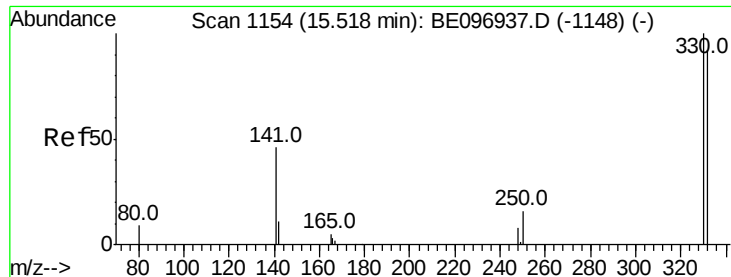
500

0

Time-->

13.90 14.00 14.10

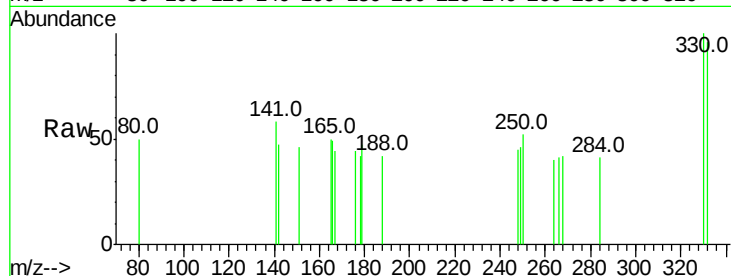




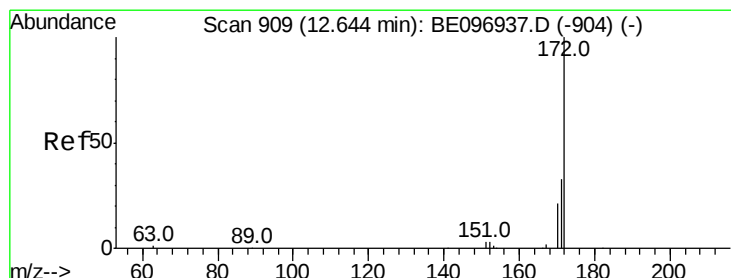
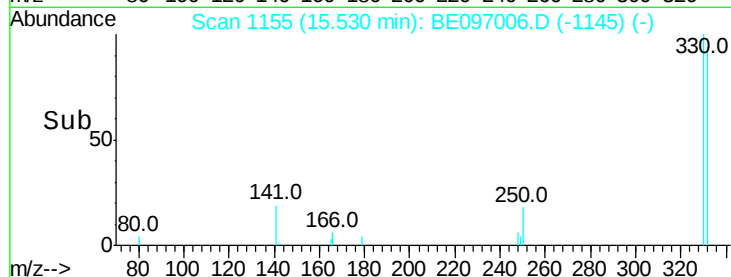
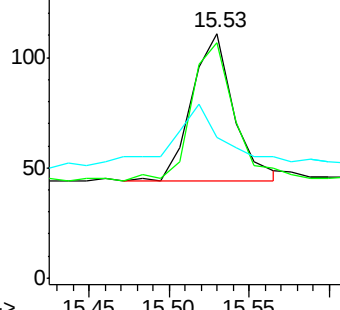
#14
 2,4,6-Tribromophenol
 Concen: 0.186 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE097006.D
 Acq: 19 Jul 2018 15:50

Instrument :
 BNA_E
 ClientSampleId :
 RB01-071218

Tot Ion:330 Resp: 122
 Ion Ratio Lower Upper
 330 100
 332 98.4 152.7 229.1#
 141 47.5 33.7 50.5

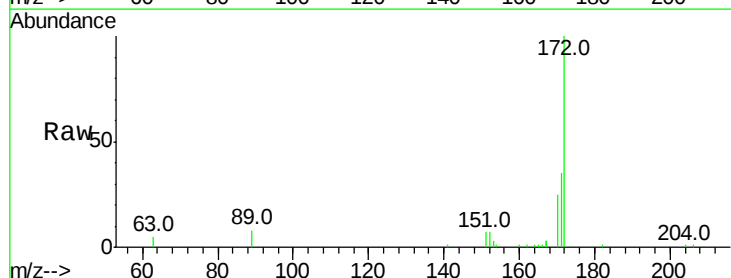


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

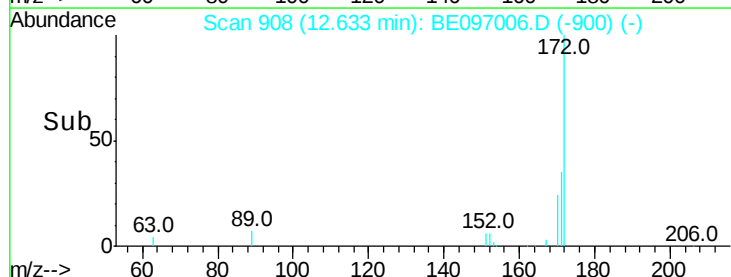
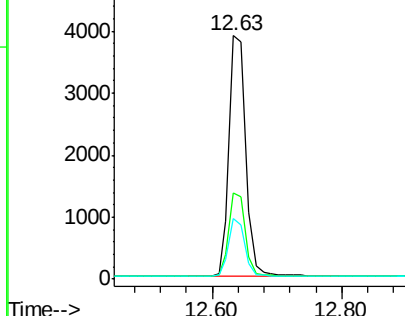


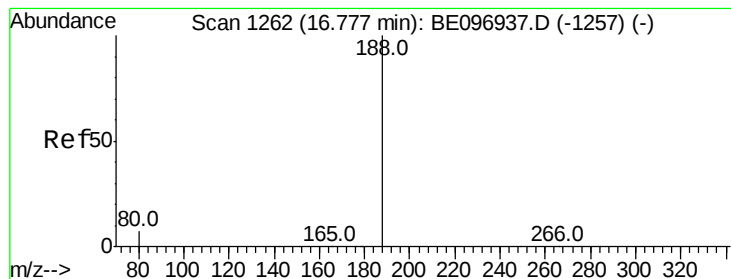
#15
 2-Fluorobiphenyl
 Concen: 0.498 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE097006.D
 Acq: 19 Jul 2018 15:50

Tgt Ion:172 Resp: 6929
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.9 44.9
 170 24.9 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# 1261

Delta R.T. -0.01 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

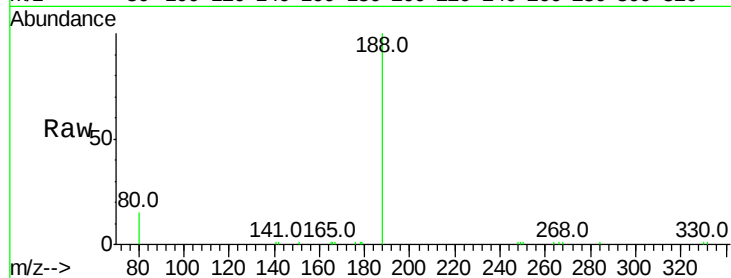
Tot Ion:188 Resp: 11287

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

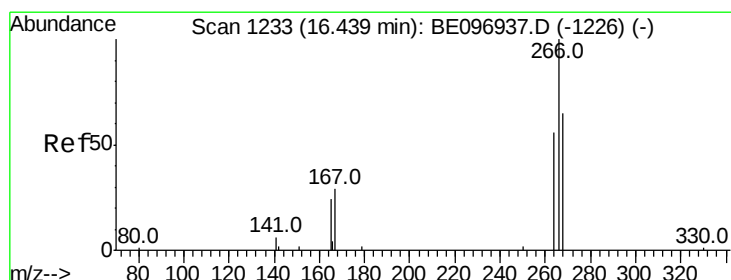
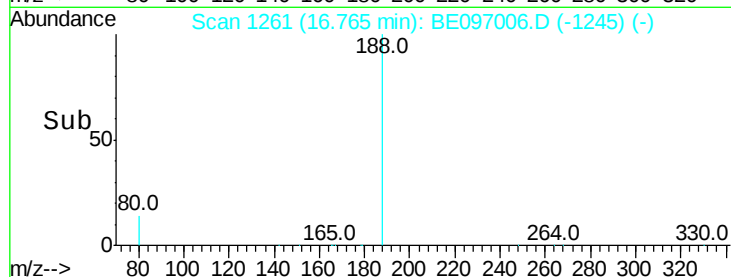
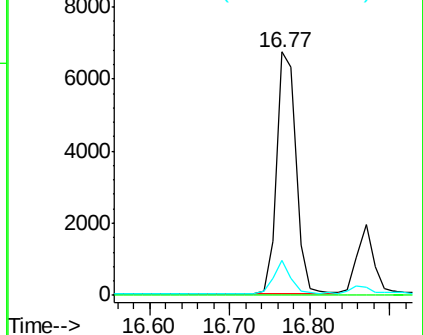
80 14.5 3.6 5.4#



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: 16.44 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

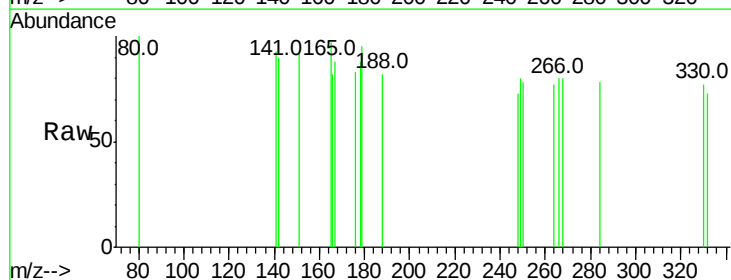
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 95.8 72.5 108.7

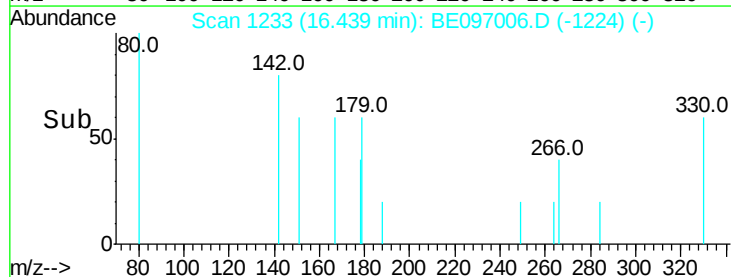
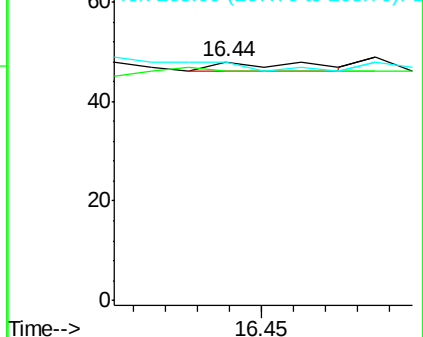
268 100.0 73.8 110.6

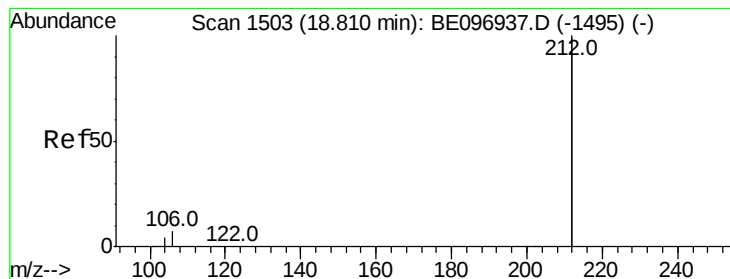


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.551 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

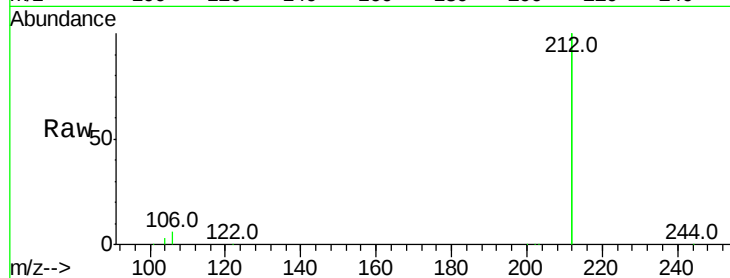
Tot Ion:212 Resp: 54129

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

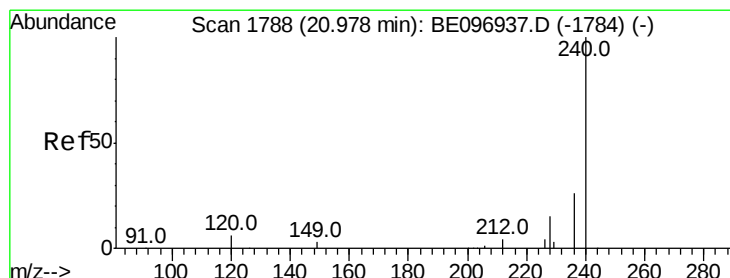
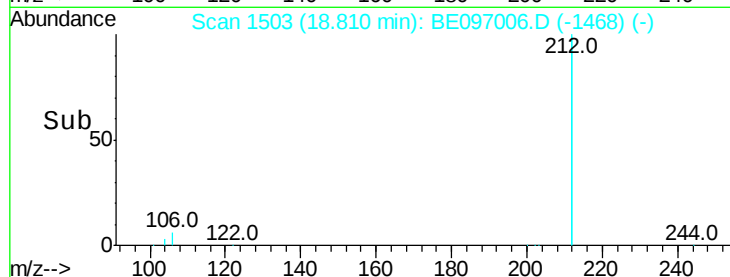
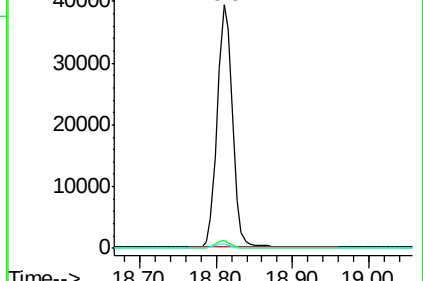
104 1.7 1.6 2.4



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: BE097006.D

Acq: 19 Jul 2018 15:50

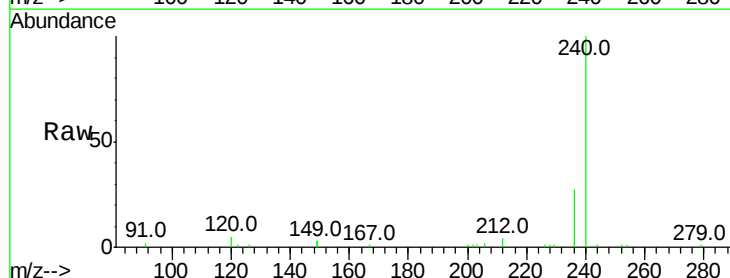
Tgt Ion:240 Resp: 10771

Ion Ratio Lower Upper

240 100

120 5.4 5.5 8.3#

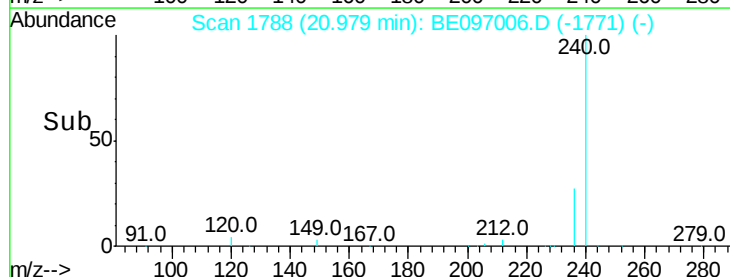
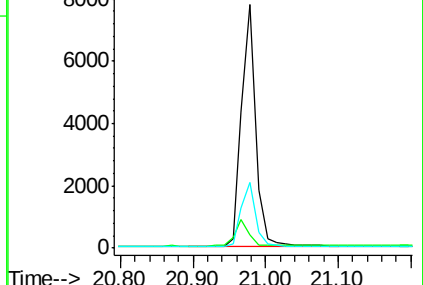
236 27.2 20.7 31.1

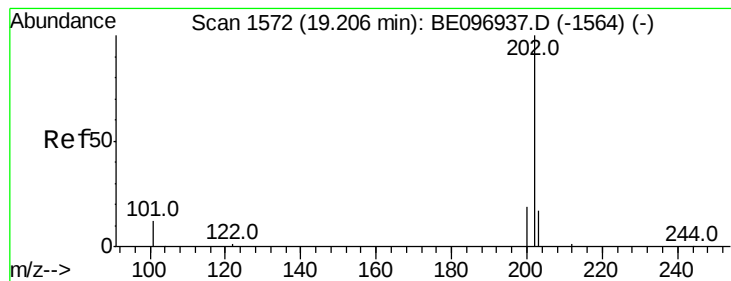


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.031 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

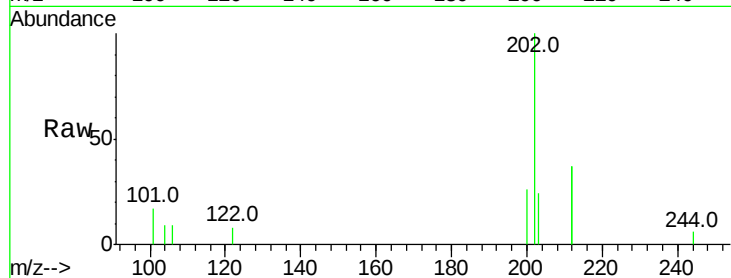
Tot Ion:202 Resp: 977

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

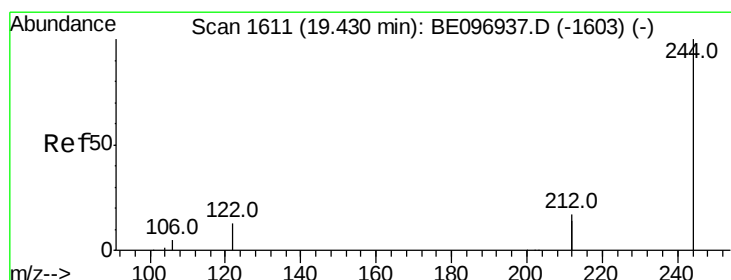
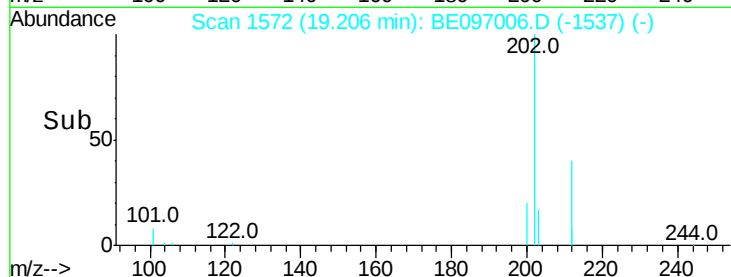
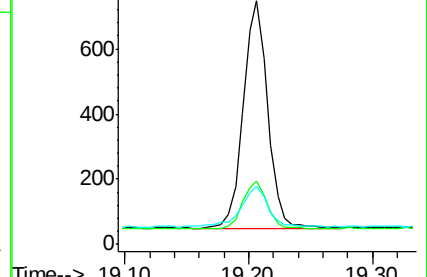
203 20.0 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.563 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

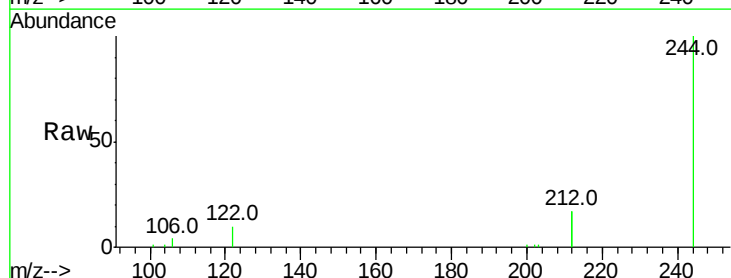
Tgt Ion:244 Resp: 11705

Ion Ratio Lower Upper

244 100

212 33.7 25.4 38.0

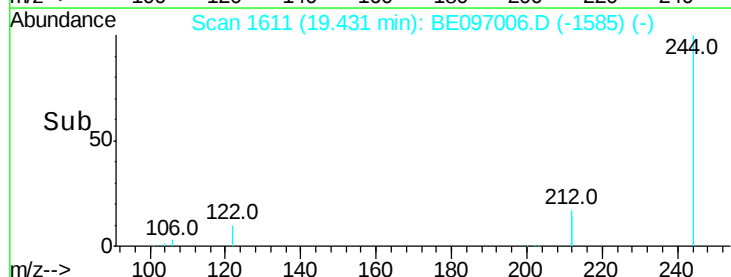
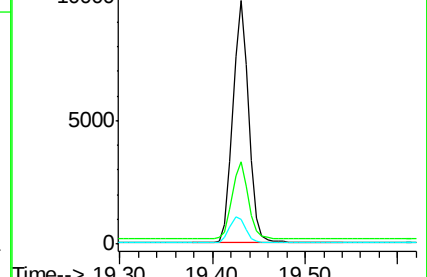
122 10.3 8.1 12.1

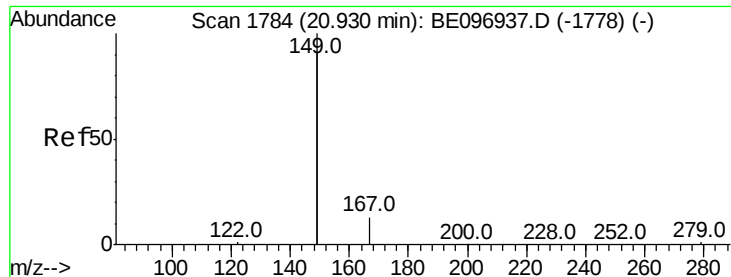


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

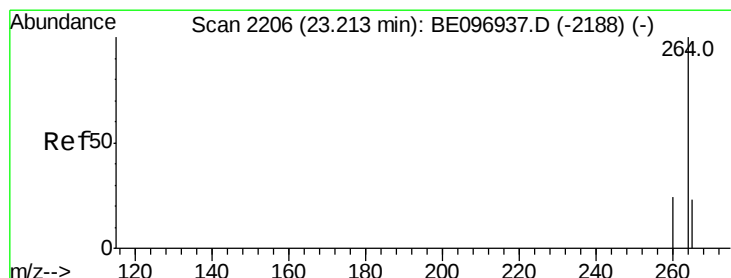
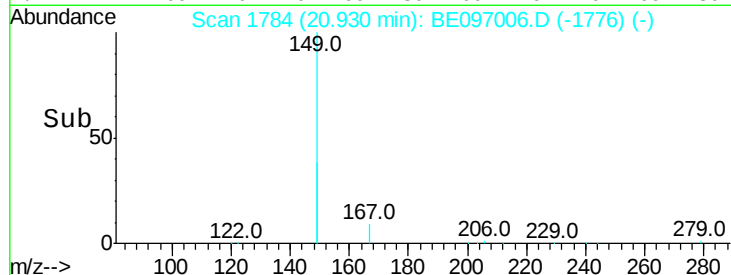
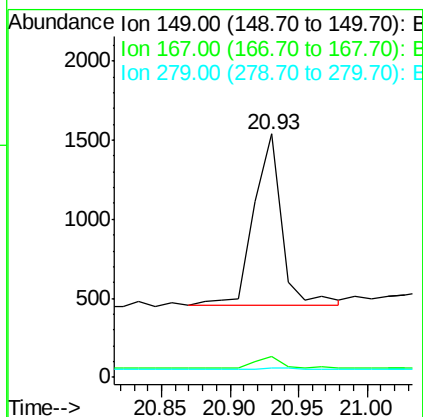
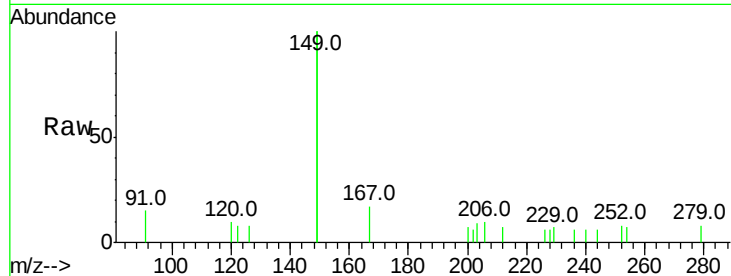




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.060 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BE097006.D
 Acq: 19 Jul 2018 15:50

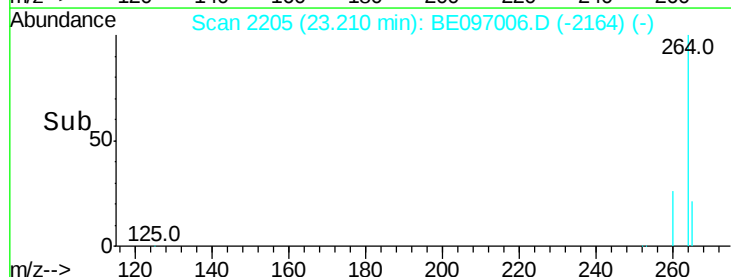
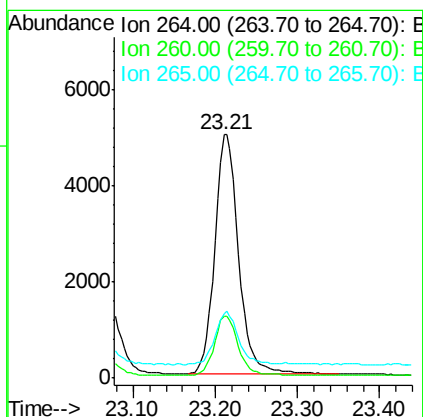
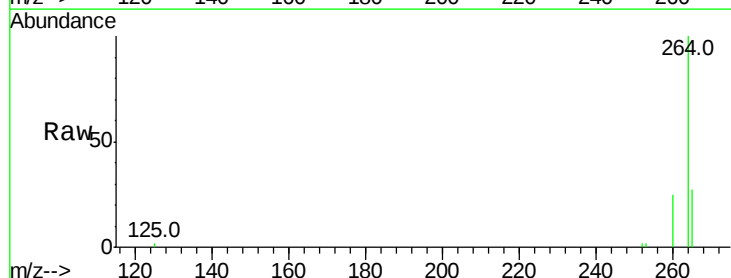
Instrument :
 BNA_E
 ClientSampleId :
 RB01-071218

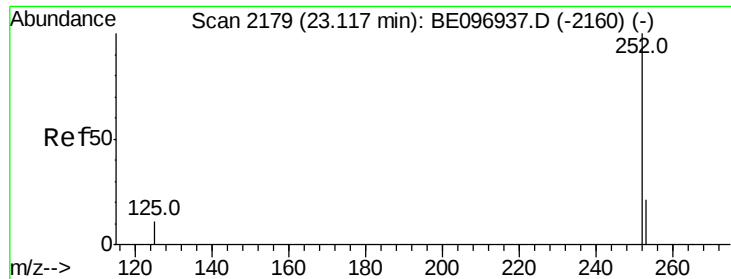
Tot Ion:149 Resp: 1535
 Ion Ratio Lower Upper
 149 100
 167 6.8 5.4 8.0
 279 2.1 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE097006.D
 Acq: 19 Jul 2018 15:50

Tgt Ion:264 Resp: 10095
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.5 30.7
 265 26.6 22.8 34.2





#37

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.11 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Instrument :

BNA_E

ClientSampleId :

RB01-071218

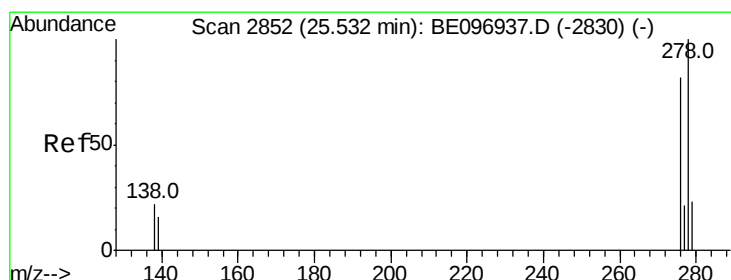
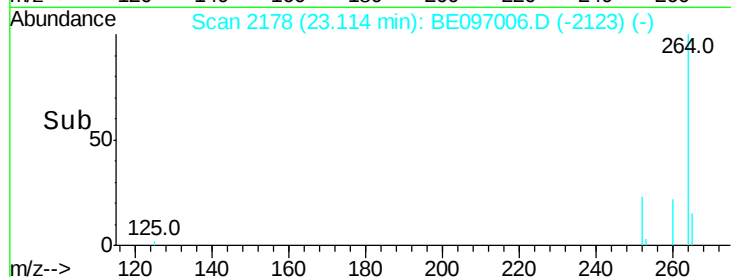
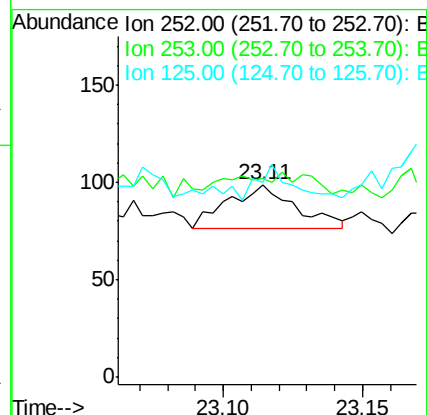
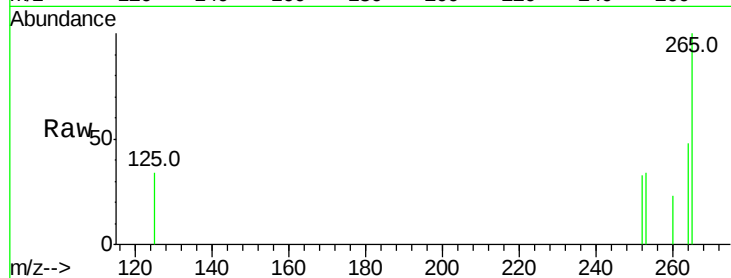
Tot Ion:252 Resp: 39

Ion Ratio Lower Upper

252 100

253 103.0 16.0 24.0#

125 101.0 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097006.D

Acq: 19 Jul 2018 15:50

Tgt Ion:278 Resp: 14

Ion Ratio Lower Upper

278 100

139 98.3 16.0 24.0#

279 103.4 20.0 30.0#

