

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097518.D
 Acq On : 18 Sep 2018 5:37
 Operator : SJ/JU
 Sample : J4741-38
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 18 07:17:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 18:57:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	952	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4516	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2665	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7509	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	9207	0.40	ng	0.00
34) Perylene-d12	23.20	264	9136	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	650	0.20	ng	0.00
5) Phenol-d6	6.61	99	502	0.12	ng	0.00
8) Nitrobenzene-d5	8.52	82	1616	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	11.71	152	3065	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.51	330	653	0.46	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	5318	0.57	ng	-0.01
25) Fluoranthene-d10	18.80	212	45038	0.50	ng	0.00
29) Terphenyl-d14	19.41	244	9779	0.56	ng	0.00

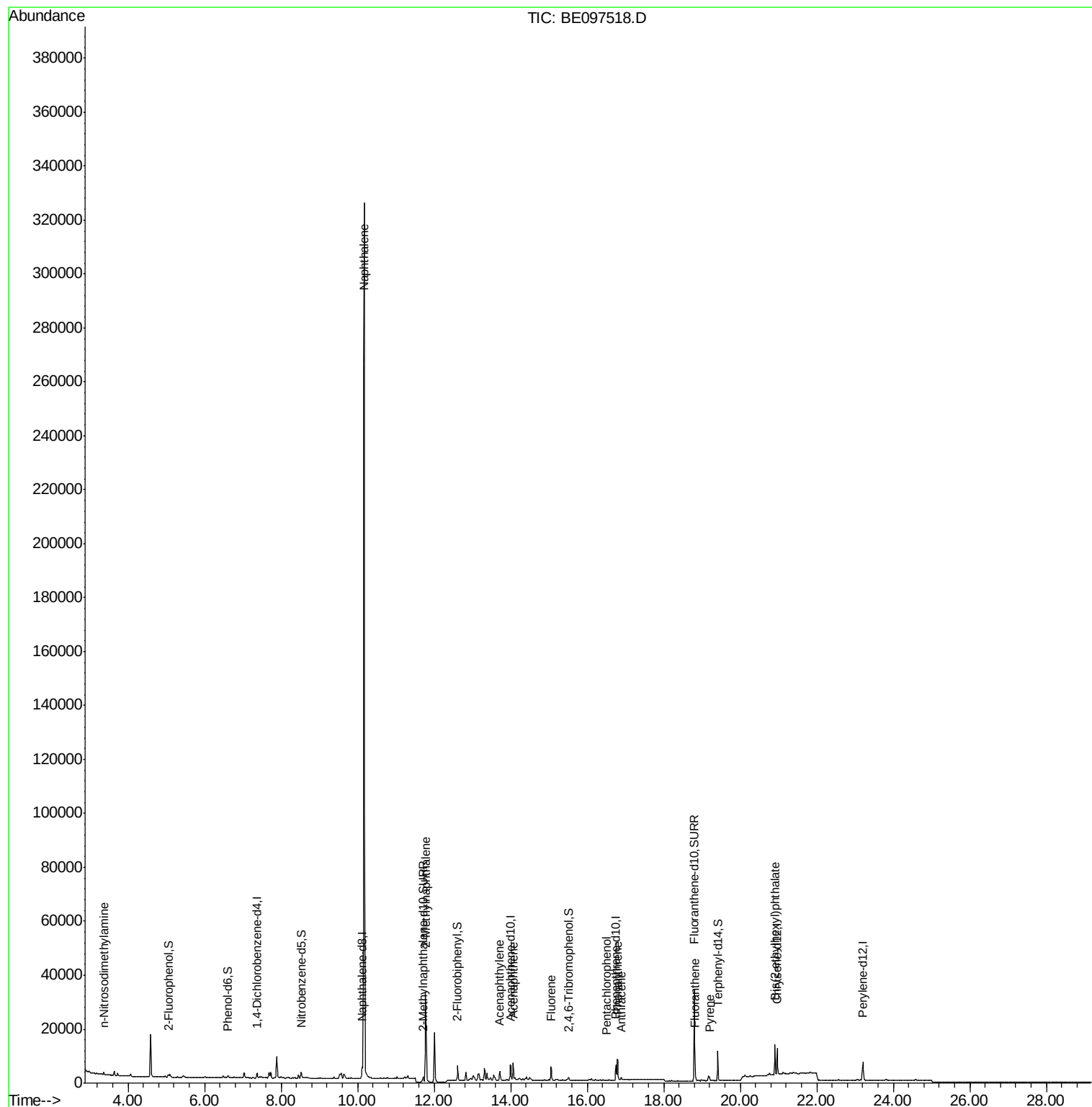
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.36	42	100	0.073	ng	# 1
9) Naphthalene	10.17	128	545287	13.300	ng	99
12) 2-Methylnaphthalene	11.78	142	25202	3.843	ng	98
16) Acenaphthylene	13.71	152	2868	0.247	ng	# 92
17) Acenaphthene	14.06	154	2914	0.407	ng	95
18) Fluorene	15.05	166	4138	0.454	ng	# 79
22) Pentachlorophenol	16.50	266	2	0.042	ng	94
23) Phenanthrene	16.79	178	9313	0.527	ng	99
24) Anthracene	16.89	178	1041	0.064	ng	96
26) Fluoranthene	18.83	202	1668	0.072	ng	98
28) Pyrene	19.19	202	1341	0.057	ng	# 91
32) Bis(2-ethylhexyl)phthalate	20.91	149	12414	0.241	ng	# 100

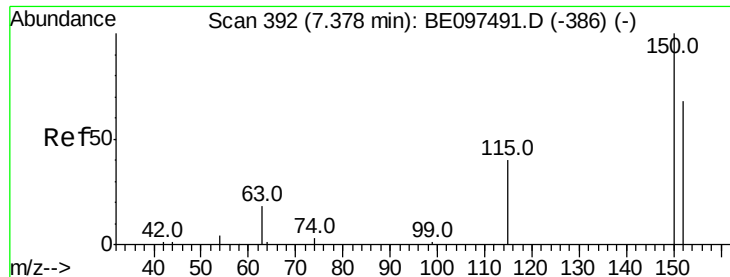
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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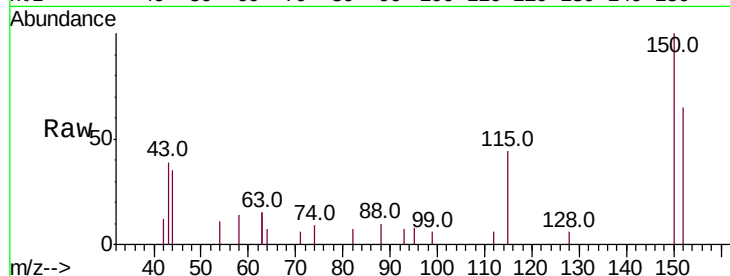


#1

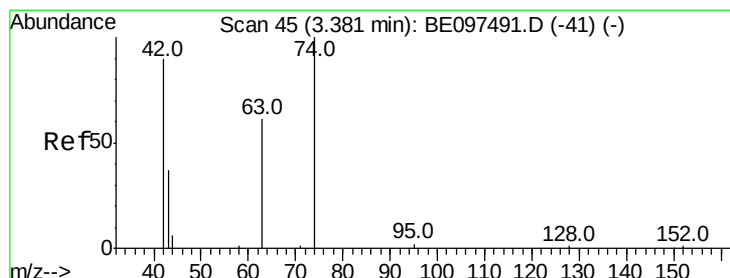
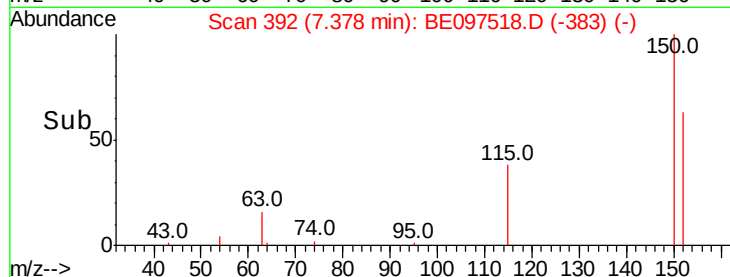
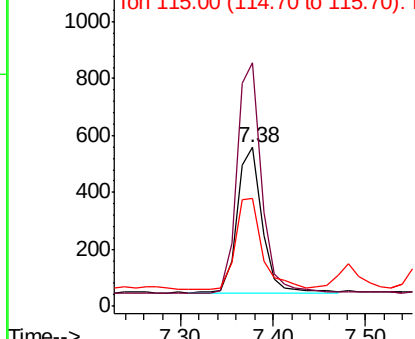
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 952
Ion Ratio Lower Upper
152 100
150 153.7 117.2 175.8
115 68.0 57.0 85.6



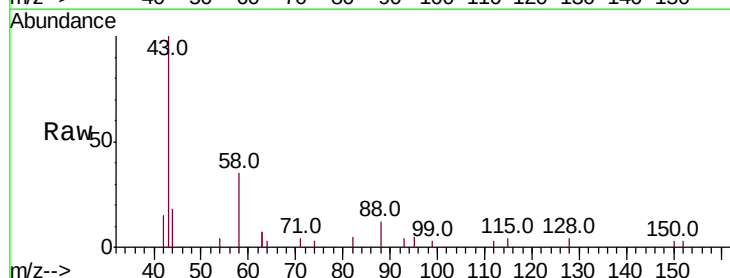
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



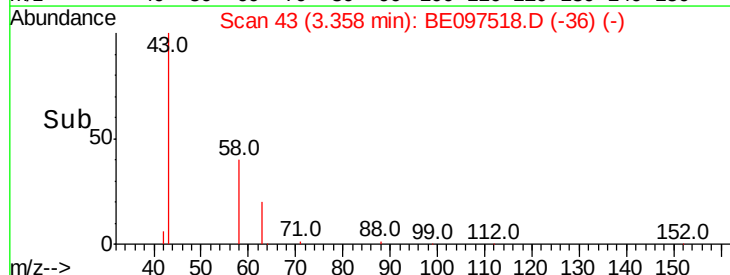
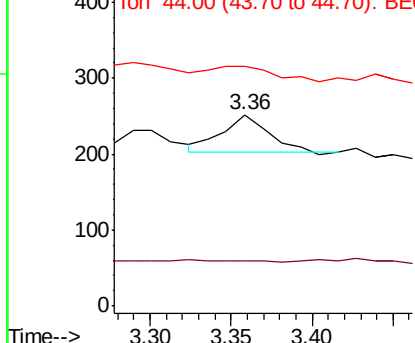
#3

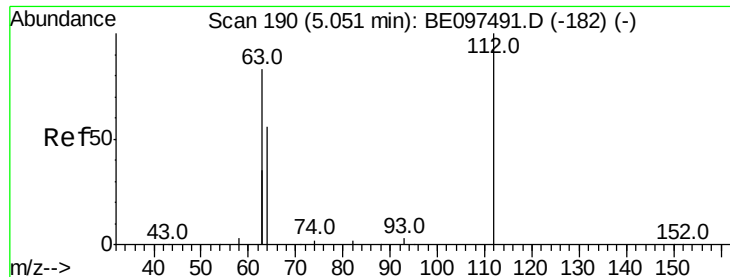
n-Nitrosodimethylamine
Concen: 0.073 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Tgt Ion: 42 Resp: 100
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 58.0 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: 0.202 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

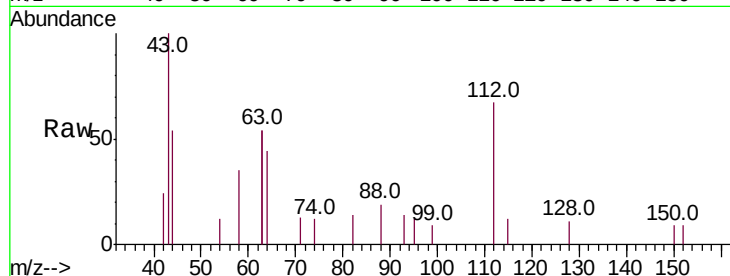
Tot Ion:112 Resp: 650

Ion Ratio Lower Upper

112 100

64 78.0 60.1 90.1

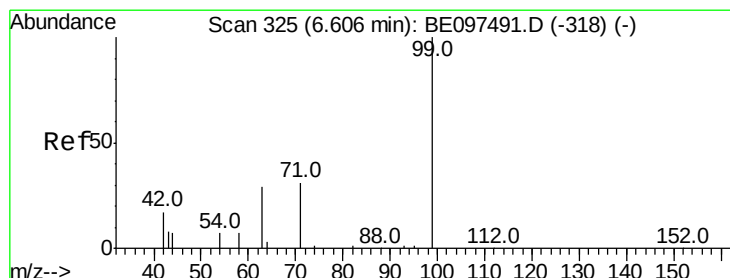
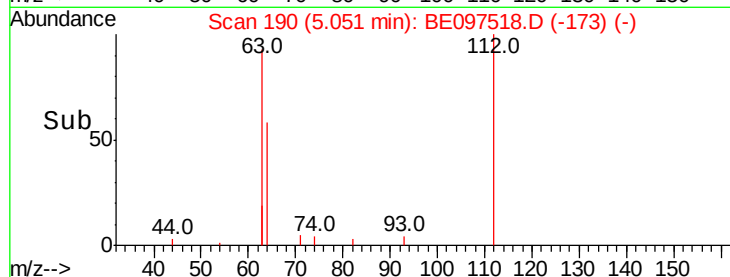
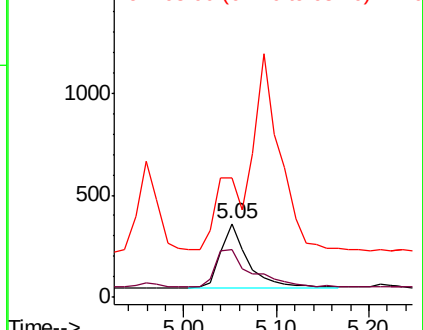
63 0.0 116.8 175.2#



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: 0.123 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

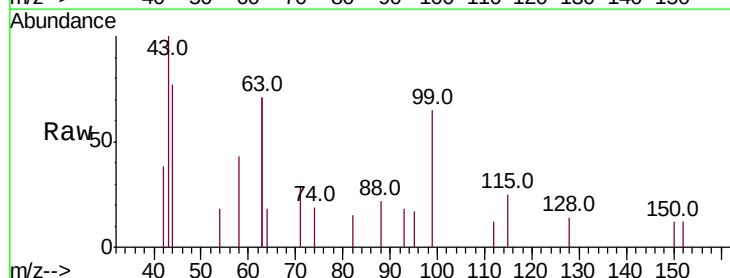
Tgt Ion: 99 Resp: 502

Ion Ratio Lower Upper

99 100

42 20.3 20.2 30.2

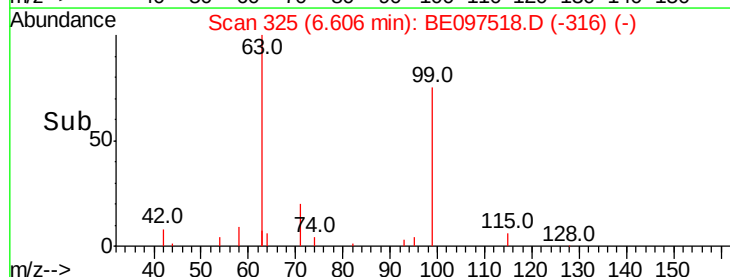
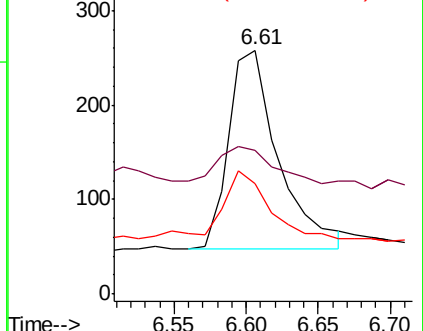
71 31.7 28.4 42.6

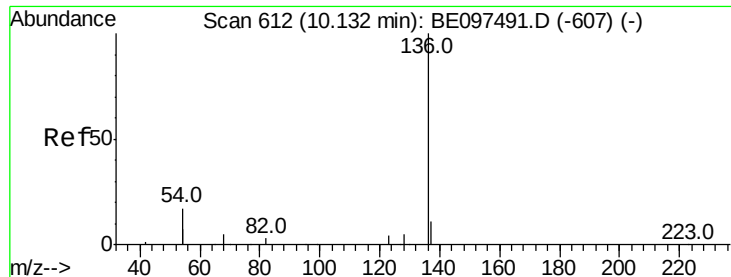


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4516

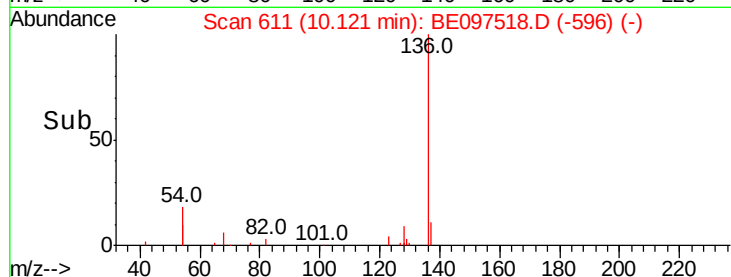
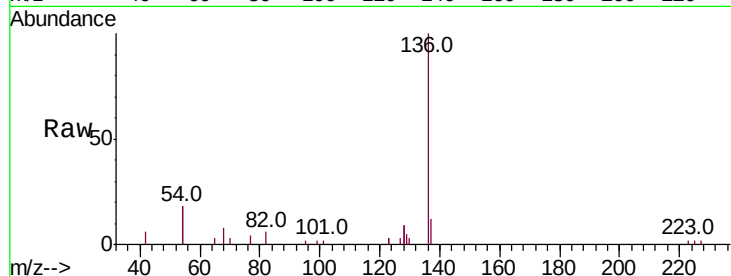
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 35.9 29.1 43.7

68 8.2 6.2 9.2

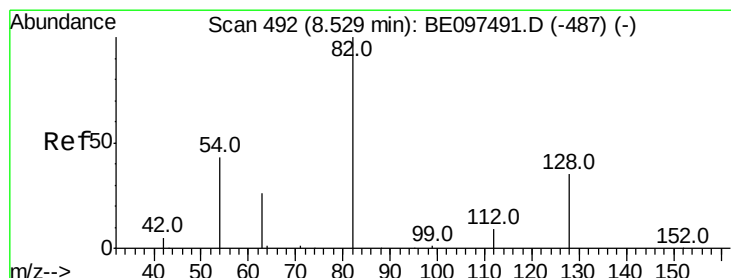
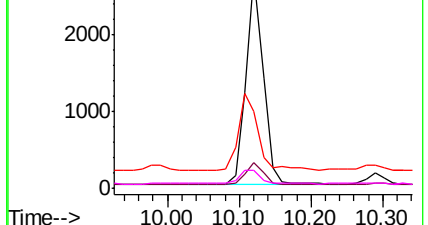


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.445 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

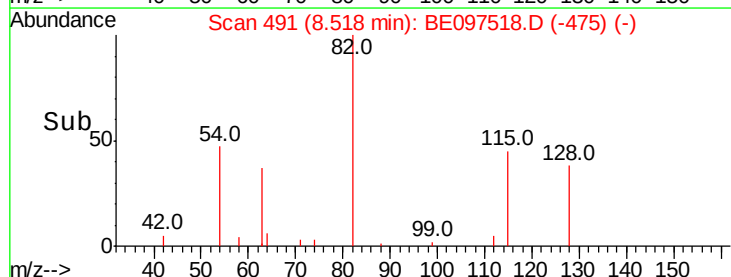
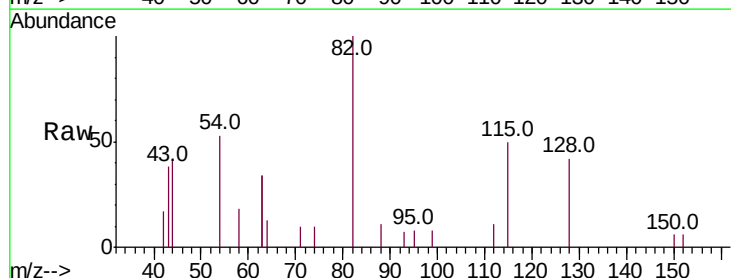
Tgt Ion: 82 Resp: 1616

Ion Ratio Lower Upper

82 100

128 41.7 24.0 36.0#

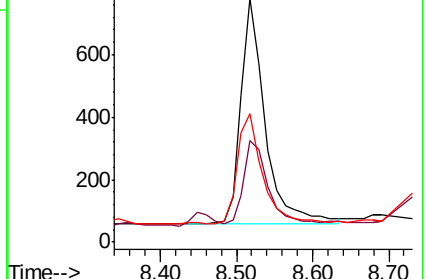
54 52.8 40.0 60.0

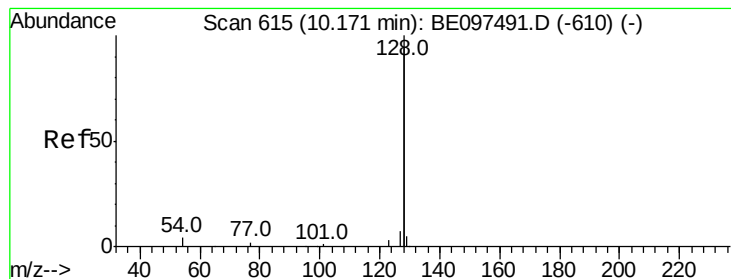


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 13.300 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

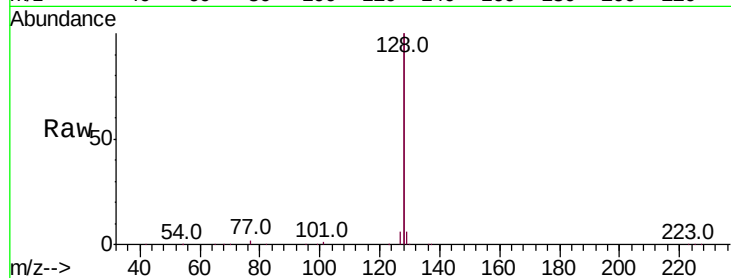
Tot Ion:128 Resp: 545287

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

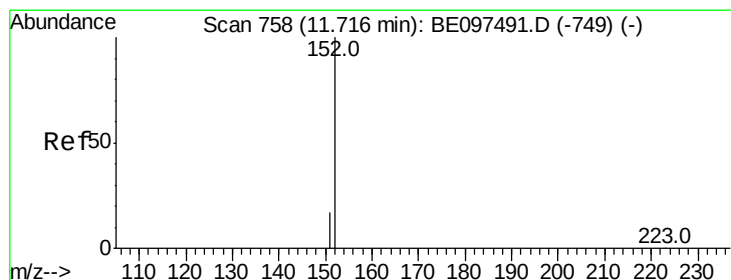
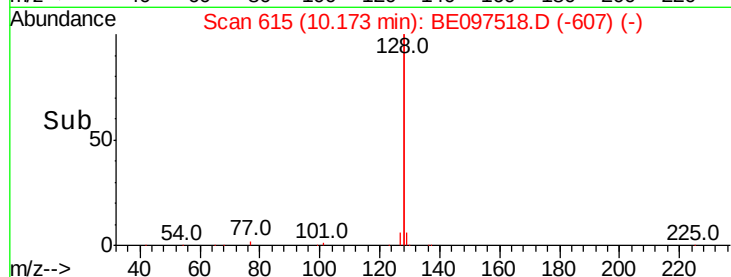
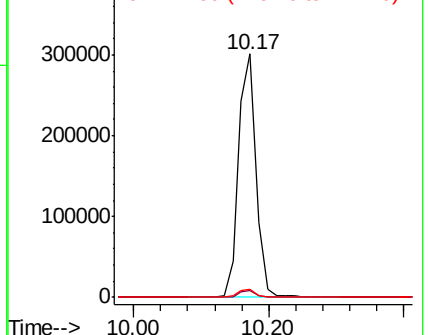
127 3.2 2.8 4.2



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: 0.475 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097518.D

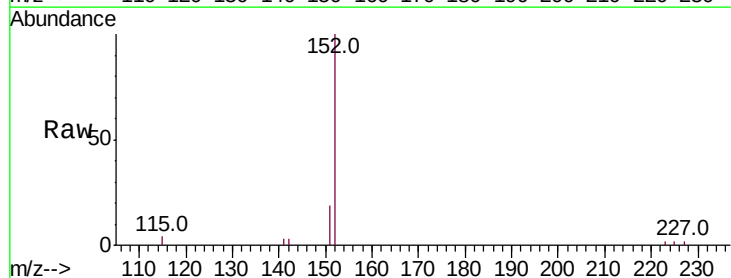
Acq: 18 Sep 2018 5:37

Tgt Ion:152 Resp: 3065

Ion Ratio Lower Upper

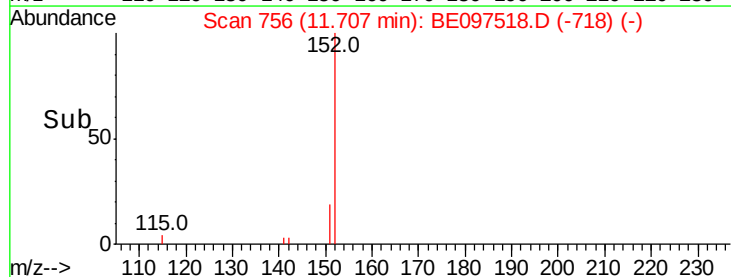
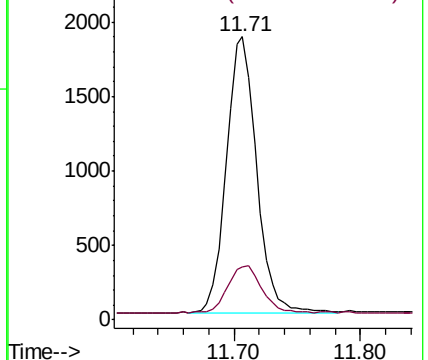
152 100

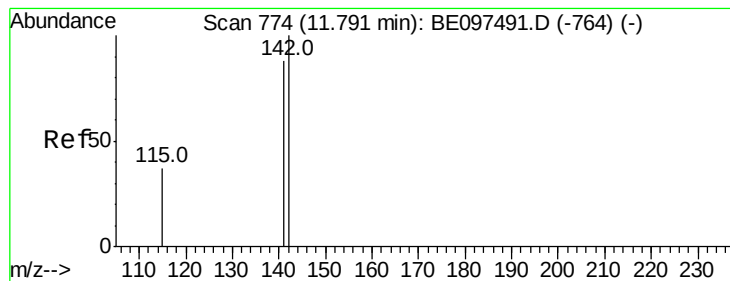
151 18.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 3.843 ng

RT: 11.78 min Scan# 772

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

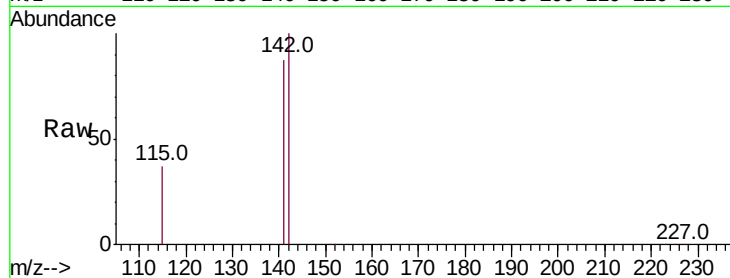
Tot Ion:142 Resp: 25202

Ion Ratio Lower Upper

142 100

141 87.2 70.4 105.6

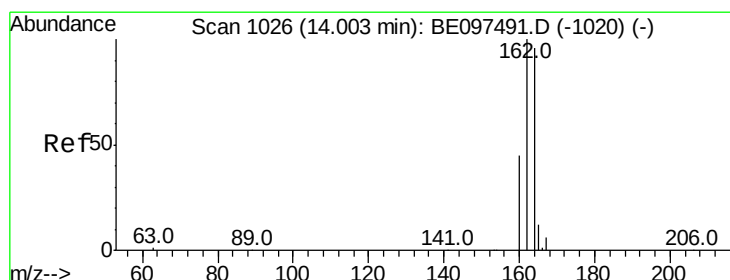
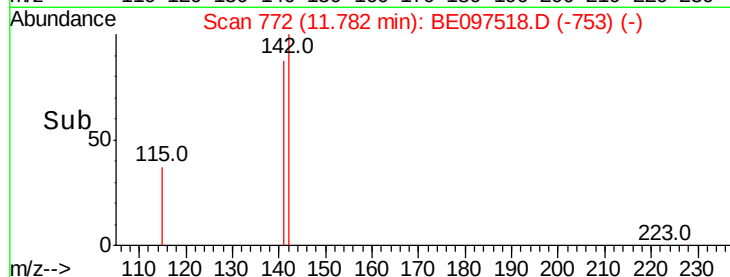
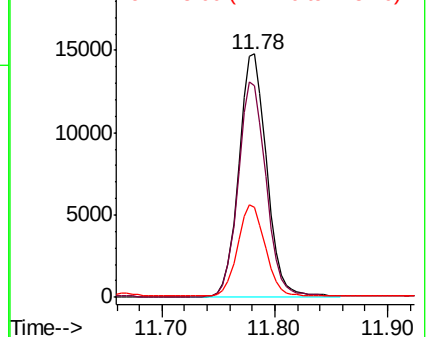
115 36.9 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

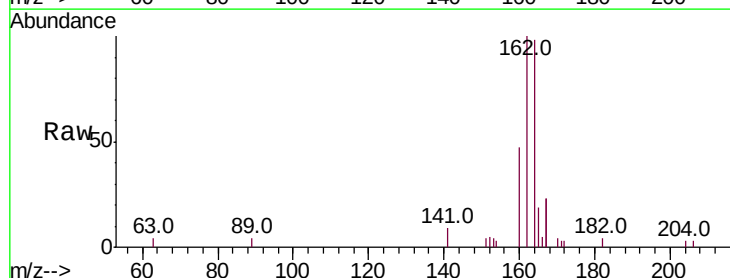
Tgt Ion:164 Resp: 2665

Ion Ratio Lower Upper

164 100

162 102.5 83.1 124.7

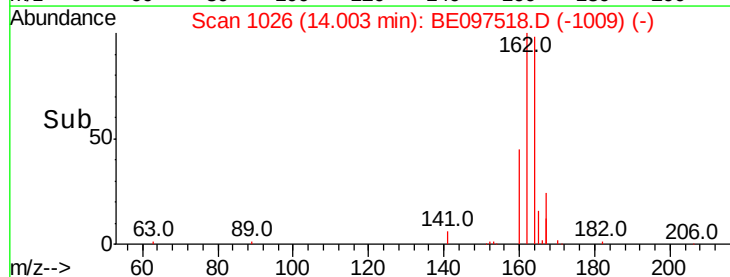
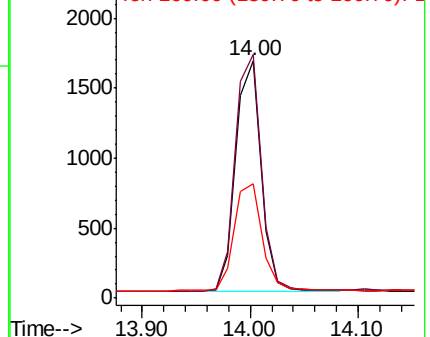
160 47.9 37.1 55.7

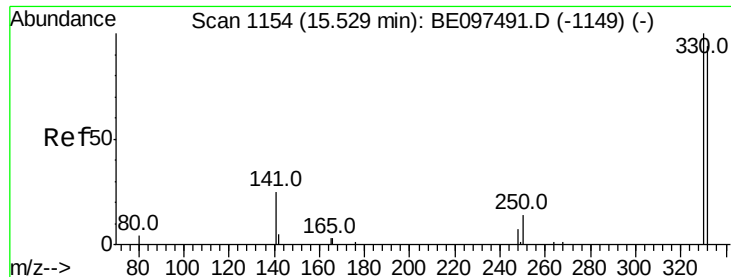


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

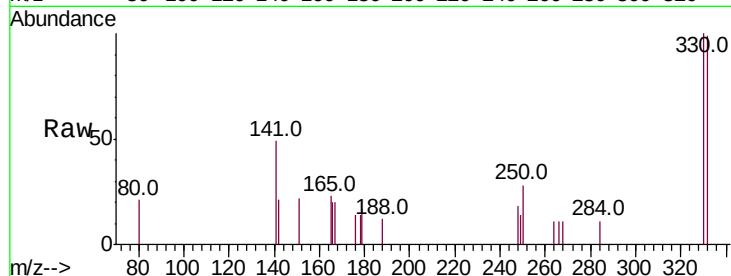




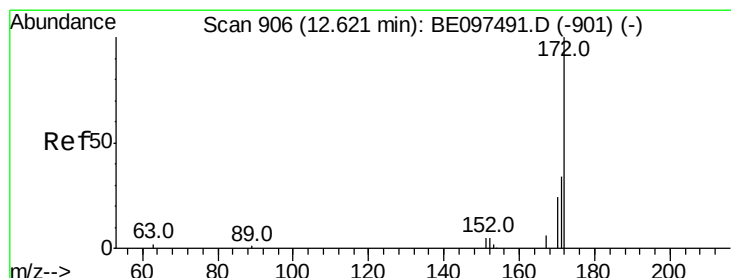
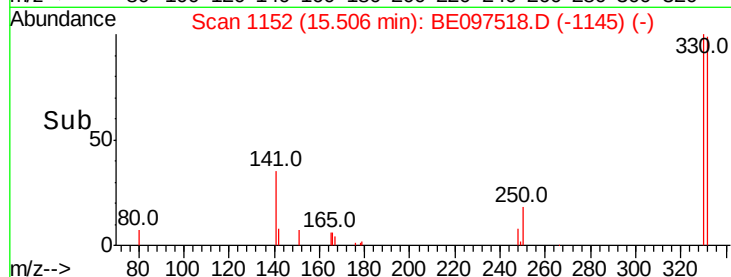
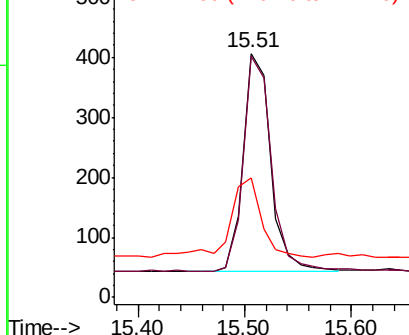
#14
 2,4,6-Tribromophenol
 Concen: 0.464 ng
 RT: 15.51 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 653
 Ion Ratio Lower Upper
 330 100
 332 99.4 152.7 229.1#
 141 38.6 33.7 50.5

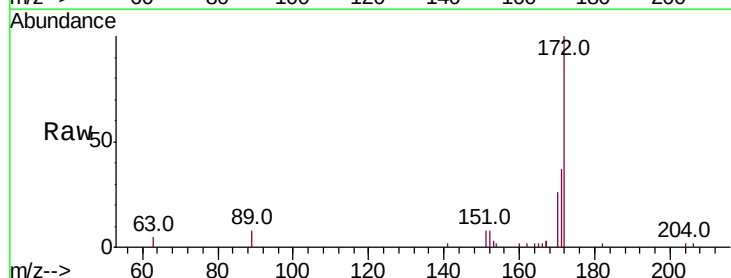


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

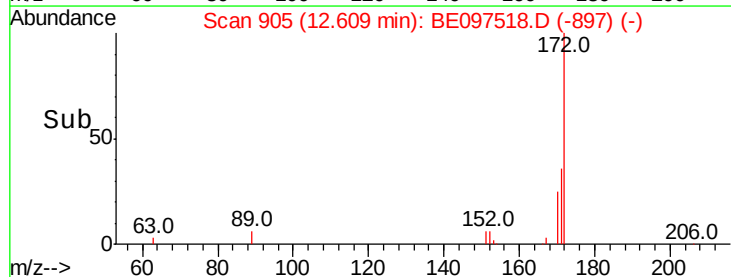
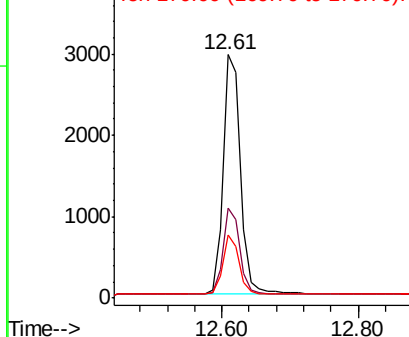


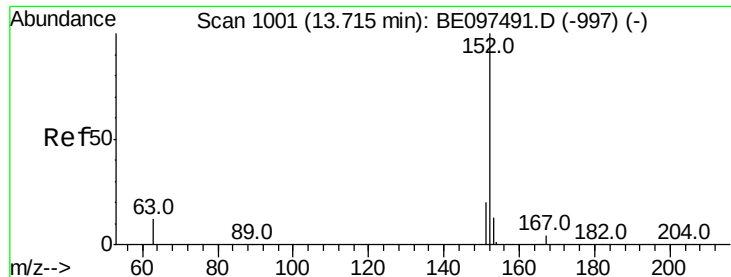
#15
 2-Fluorobiphenyl
 Concen: 0.571 ng
 RT: 12.61 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Tgt Ion:172 Resp: 5318
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.9 44.9
 170 25.7 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





#16

Acenaphthylene

Concen: 0.247 ng

RT: 13.71 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

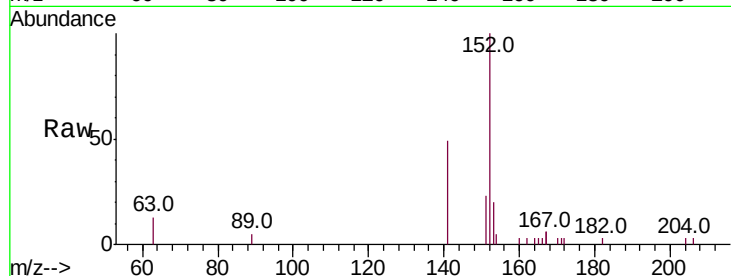
Tot Ion:152 Resp: 2868

Ion Ratio Lower Upper

152 100

151 21.3 15.7 23.5

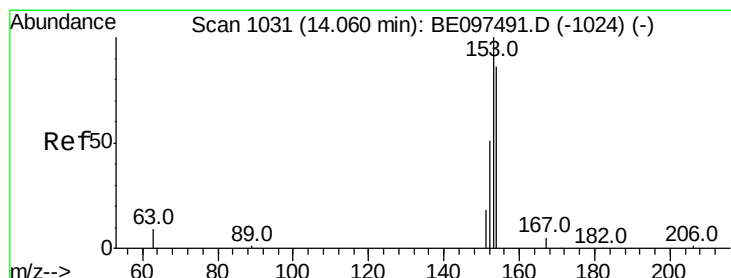
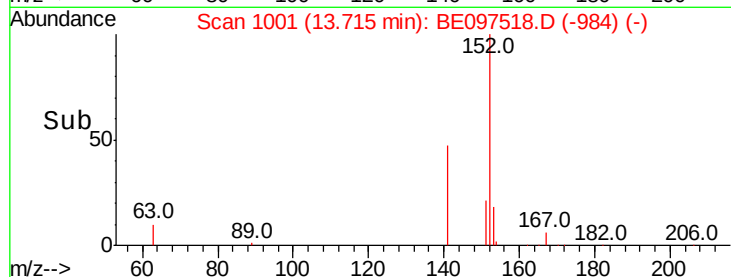
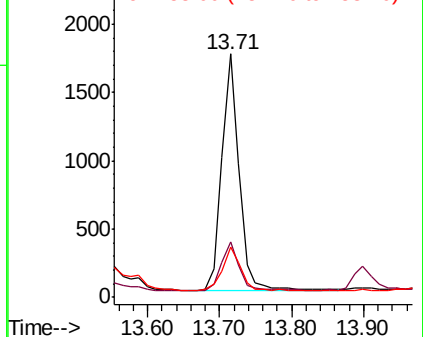
153 19.3 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.407 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

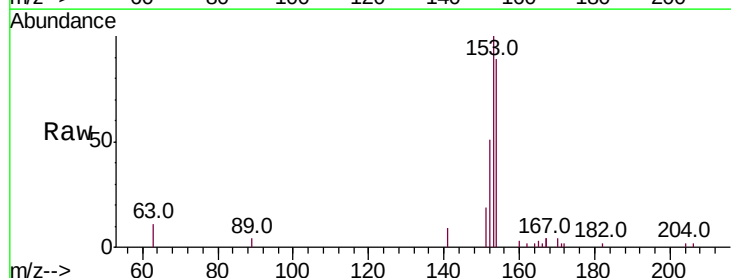
Tgt Ion:154 Resp: 2914

Ion Ratio Lower Upper

154 100

153 115.7 89.2 133.8

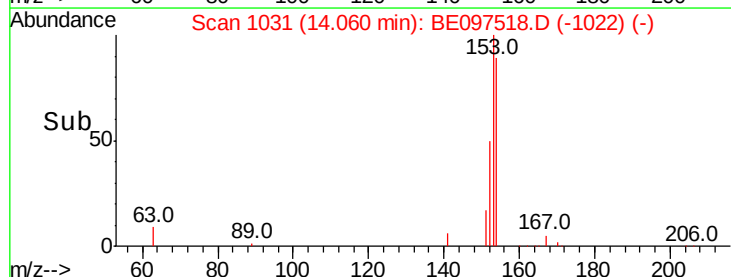
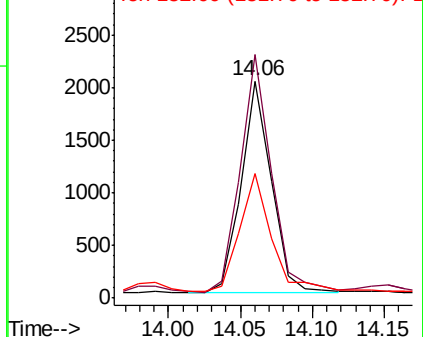
152 58.5 42.0 63.0

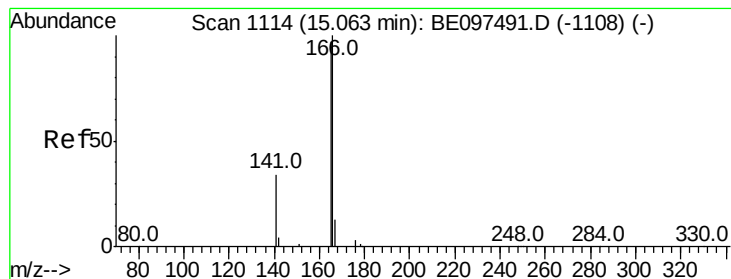


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.454 ng

RT: 15.05 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

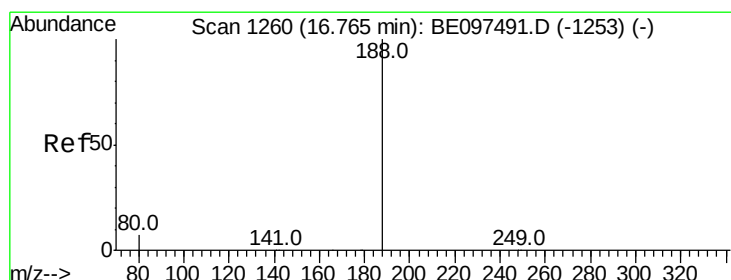
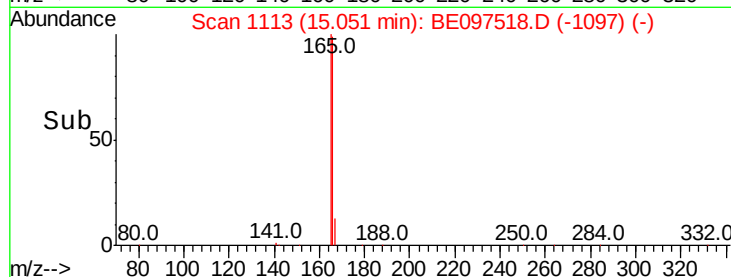
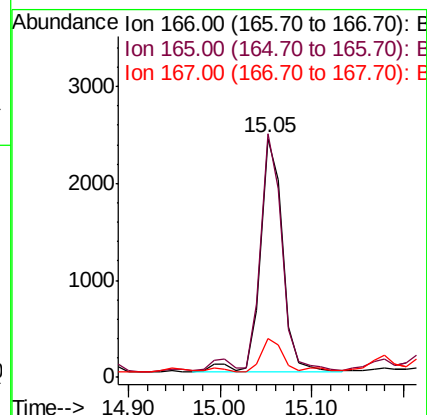
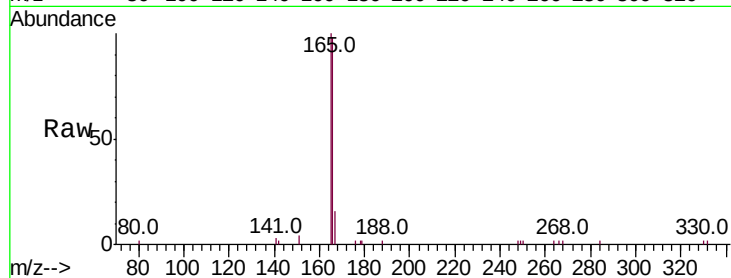
Tot Ion:166 Resp: 4138

Ion Ratio Lower Upper

166 100

165 94.8 77.8 116.6

167 13.0 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

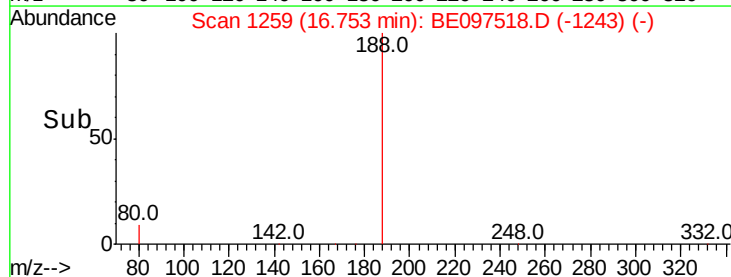
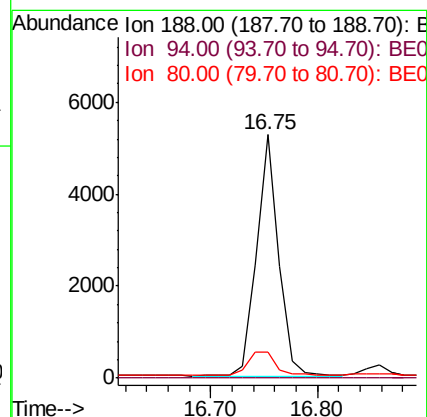
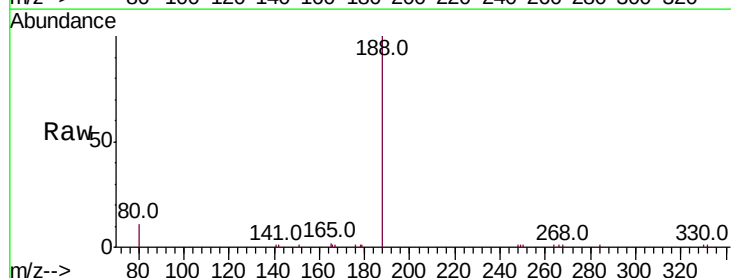
Tgt Ion:188 Resp: 7509

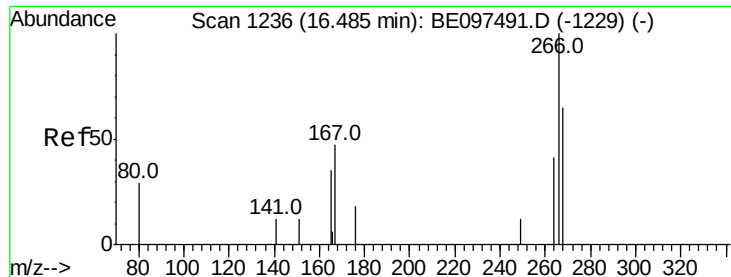
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.8 3.6 5.4#

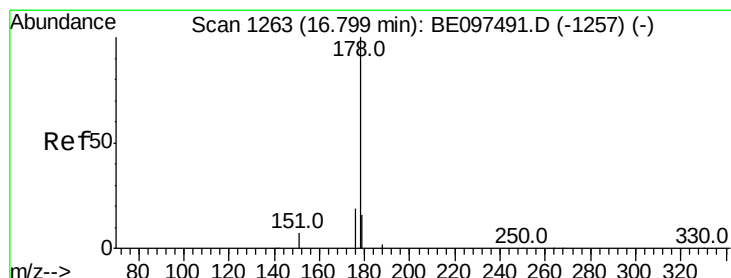
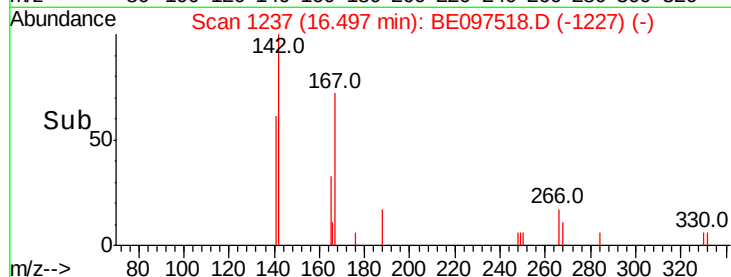
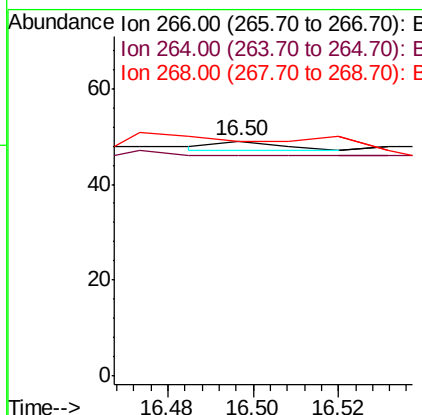
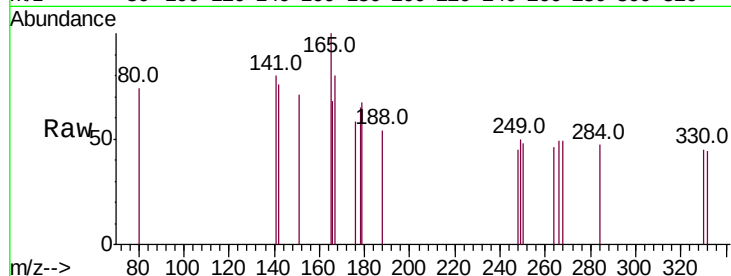




#22
 Pentachlorophenol
 Concen: 0.042 ng
 RT: 16.50 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

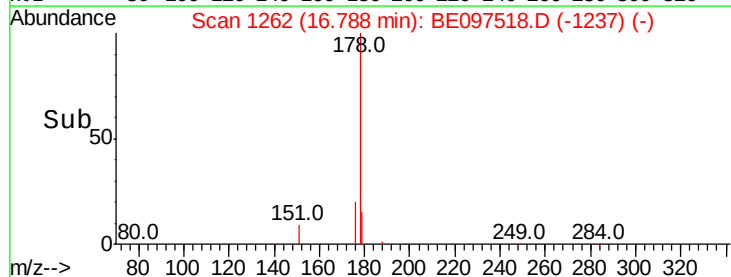
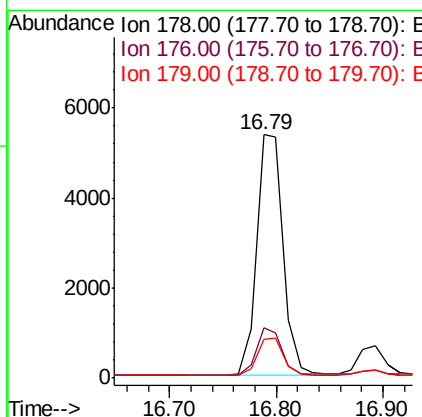
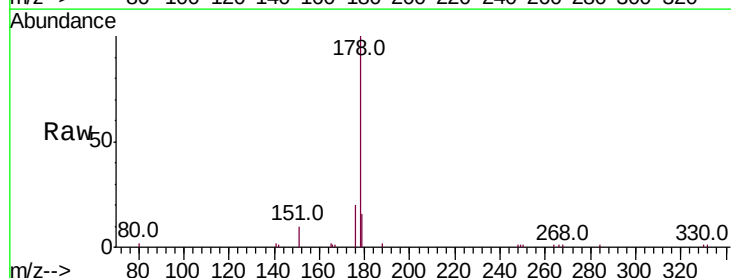
Instrument :
 BNA_E
 ClientSampleId :

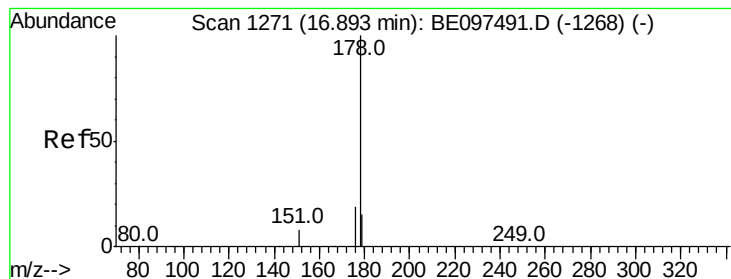
Tot Ion:266 Resp: 2
 Ion Ratio Lower Upper
 266 100
 264 93.9 72.5 108.7
 268 100.0 73.8 110.6



#23
 Phenanthrene
 Concen: 0.527 ng
 RT: 16.79 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Tgt Ion:178 Resp: 9313
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.7 11.8 17.6





#24

Anthracene

Concen: 0.064 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

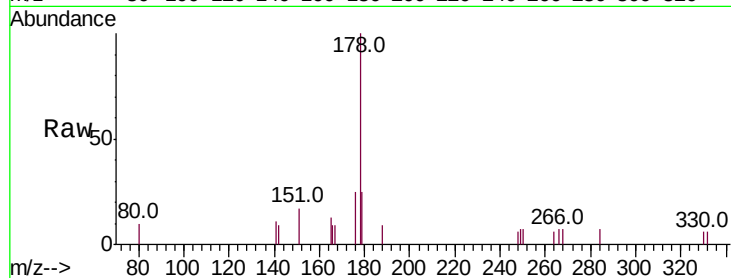
Tot Ion:178 Resp: 1041

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

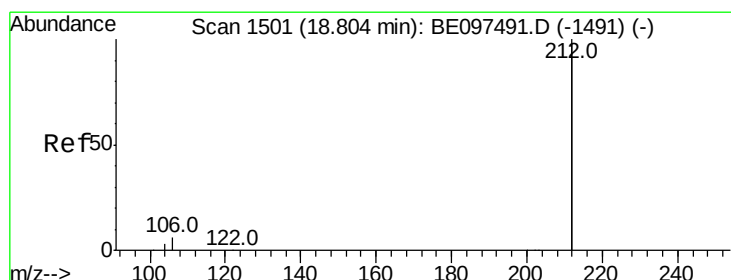
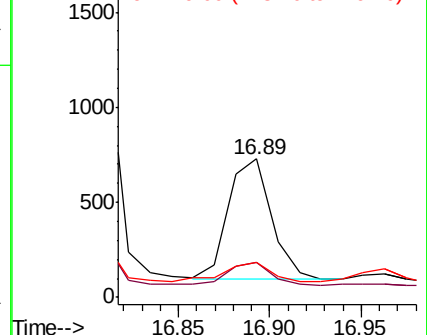
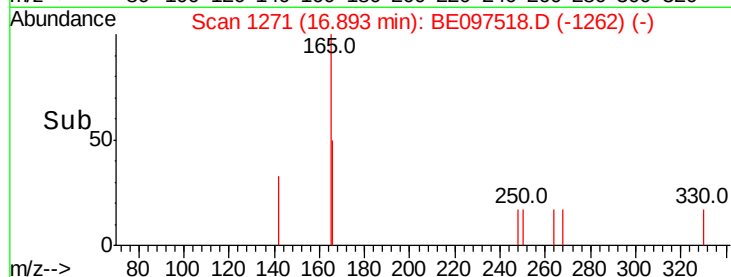
179 16.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.499 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

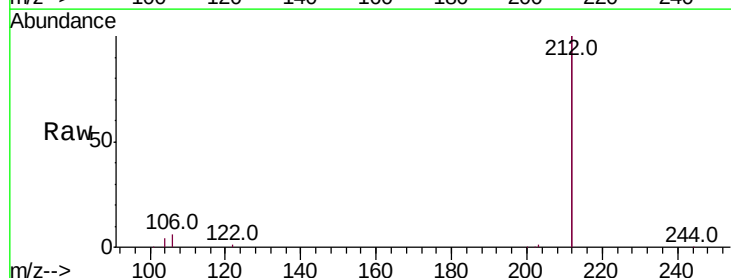
Tgt Ion:212 Resp: 45038

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

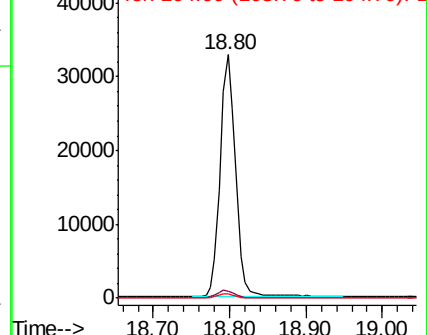
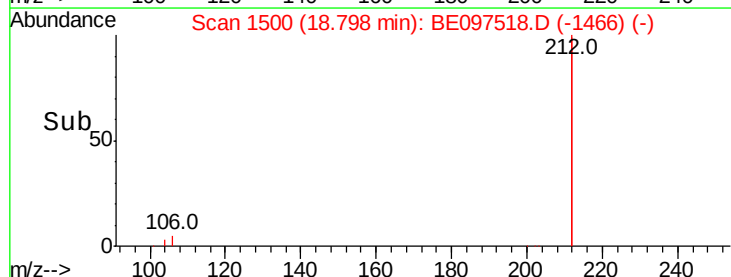
104 1.7 1.6 2.4

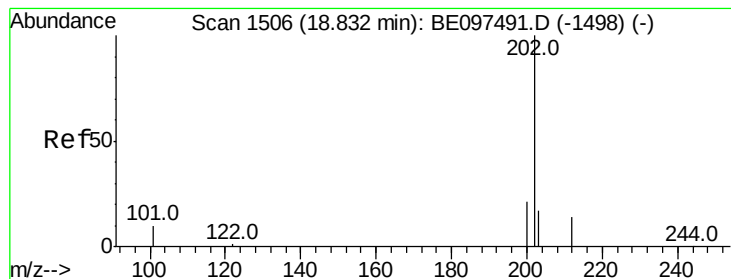


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.072 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

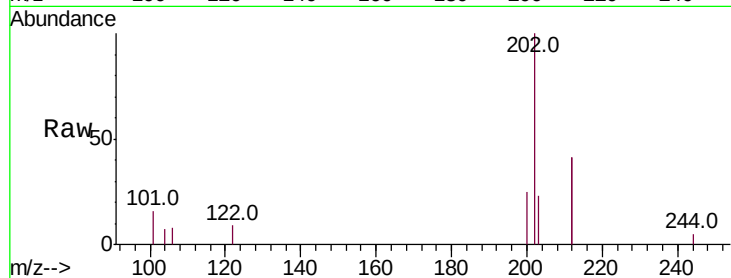
Tot Ion:202 Resp: 1668

Ion Ratio Lower Upper

202 100

101 14.0 9.8 14.8

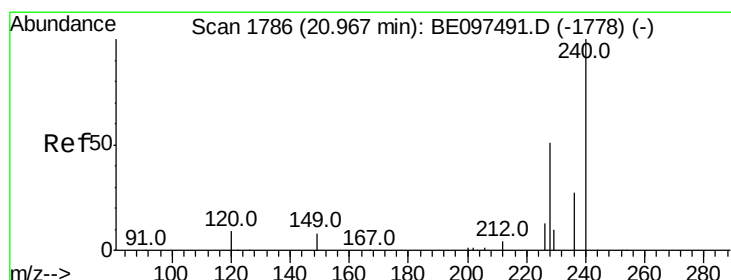
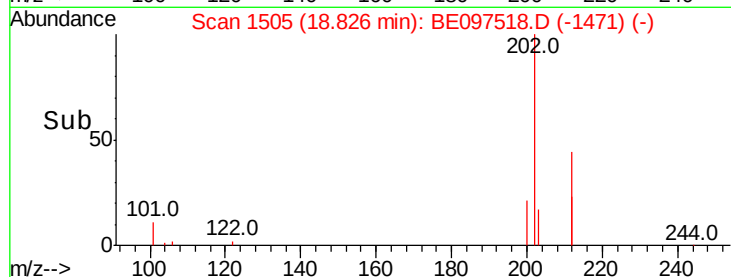
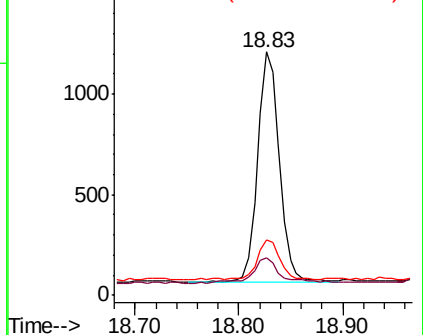
203 17.6 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

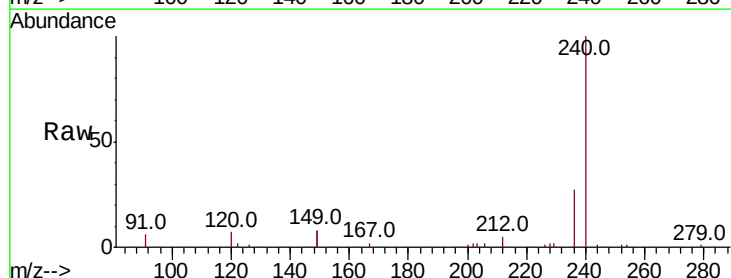
Tgt Ion:240 Resp: 9207

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

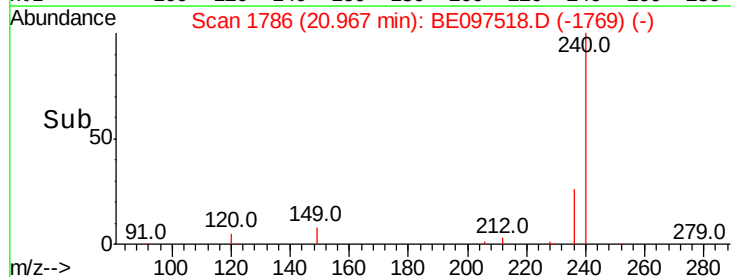
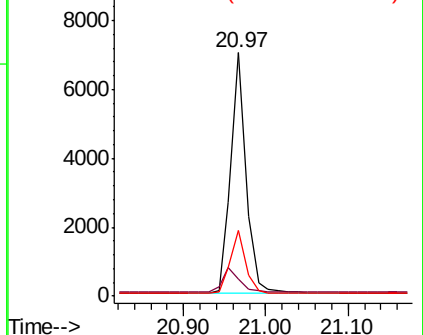
236 27.2 20.7 31.1

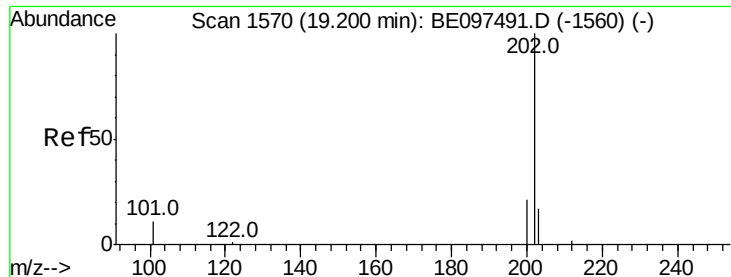


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

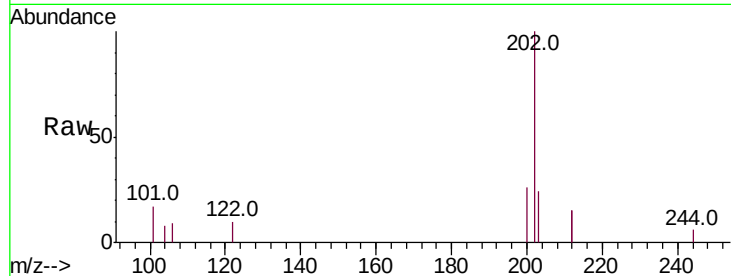




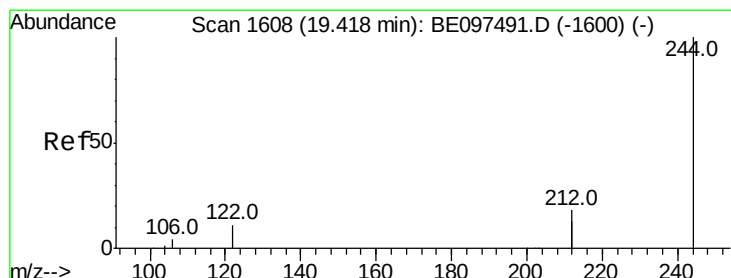
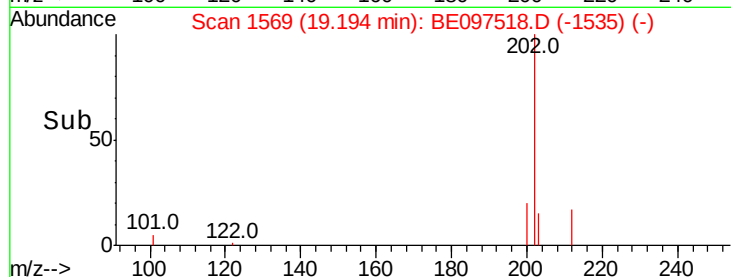
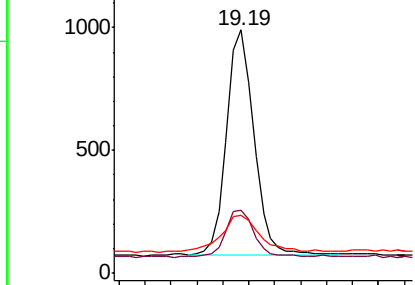
#28
 Pvrene
 Concen: 0.057 ng
 RT: 19.19 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:202 Resp: 1341
 Ion Ratio Lower Upper
 202 100
 200 22.9 16.6 25.0
 203 23.9 13.8 20.8#

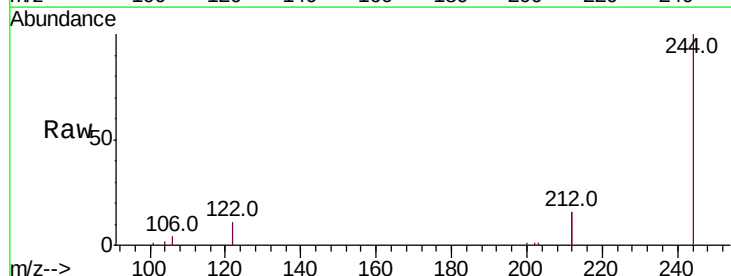


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

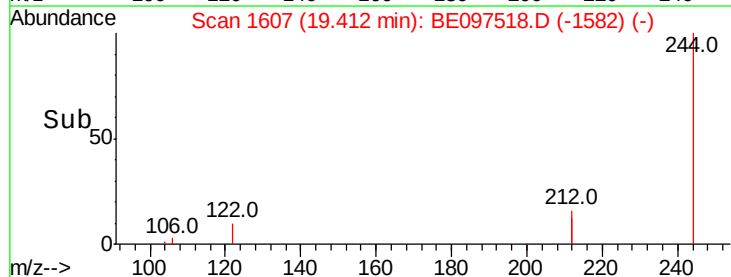
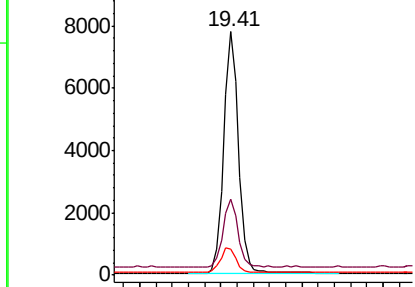


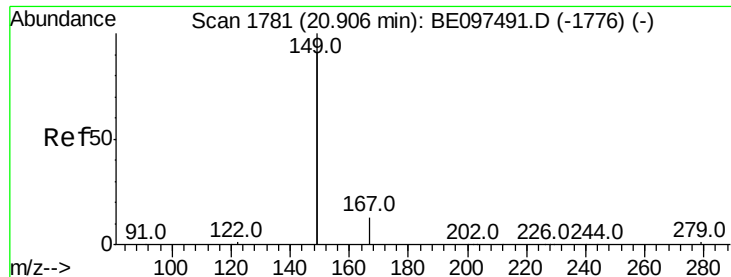
#29
 Terphenyl-d14
 Concen: 0.555 ng
 RT: 19.41 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Tgt Ion:244 Resp: 9779
 Ion Ratio Lower Upper
 244 100
 212 31.4 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: 0.241 ng

RT: 20.91 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

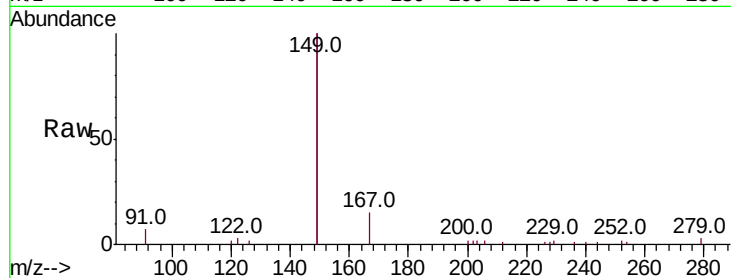
Tot Ion:149 Resp: 12414

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

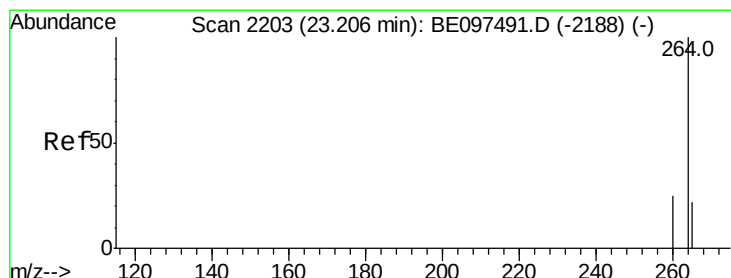
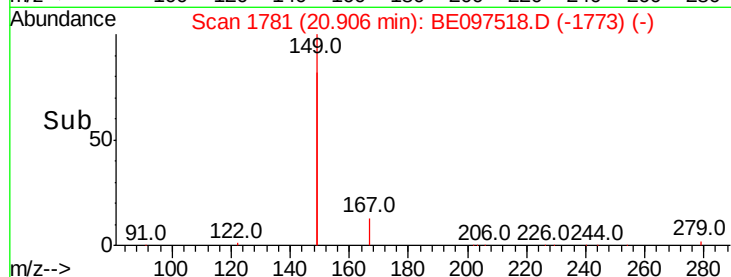
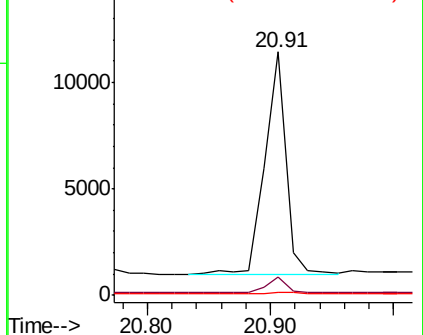
279 1.2 0.7 1.1#



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: 23.20 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

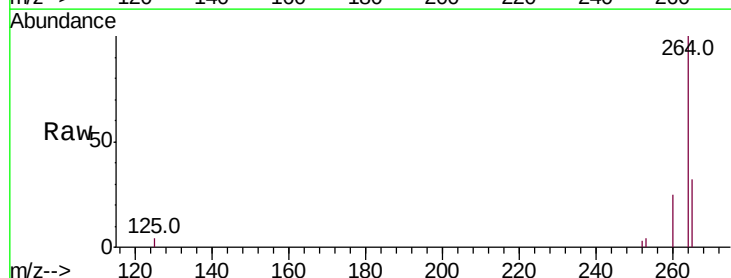
Tgt Ion:264 Resp: 9136

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

265 31.6 22.8 34.2



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

