

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
 Data File : BE097005.D
 Acq On : 19 Jul 2018 15:11
 Operator : SJ/JU
 Sample : J4014-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 19 16:37:46 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	7.39	152	1455	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6689	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4116	0.40	ng	-0.01
19) Phenanthrene-d10	16.77	188	12420	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	12271	0.40	ng	0.00
34) Perylene-d12	23.21	264	10990	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	601	0.17	ng	0.00
5) Phenol-d6	6.60	99	505	0.10	ng	0.00
8) Nitrobenzene-d5	8.52	82	2219	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3889	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	505	0.53	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7082	0.46	ng	-0.01
25) Fluoranthene-d10	18.81	212	59992	0.56	ng	0.00
29) Terphenyl-d14	19.43	244	14145	0.60	ng	0.00

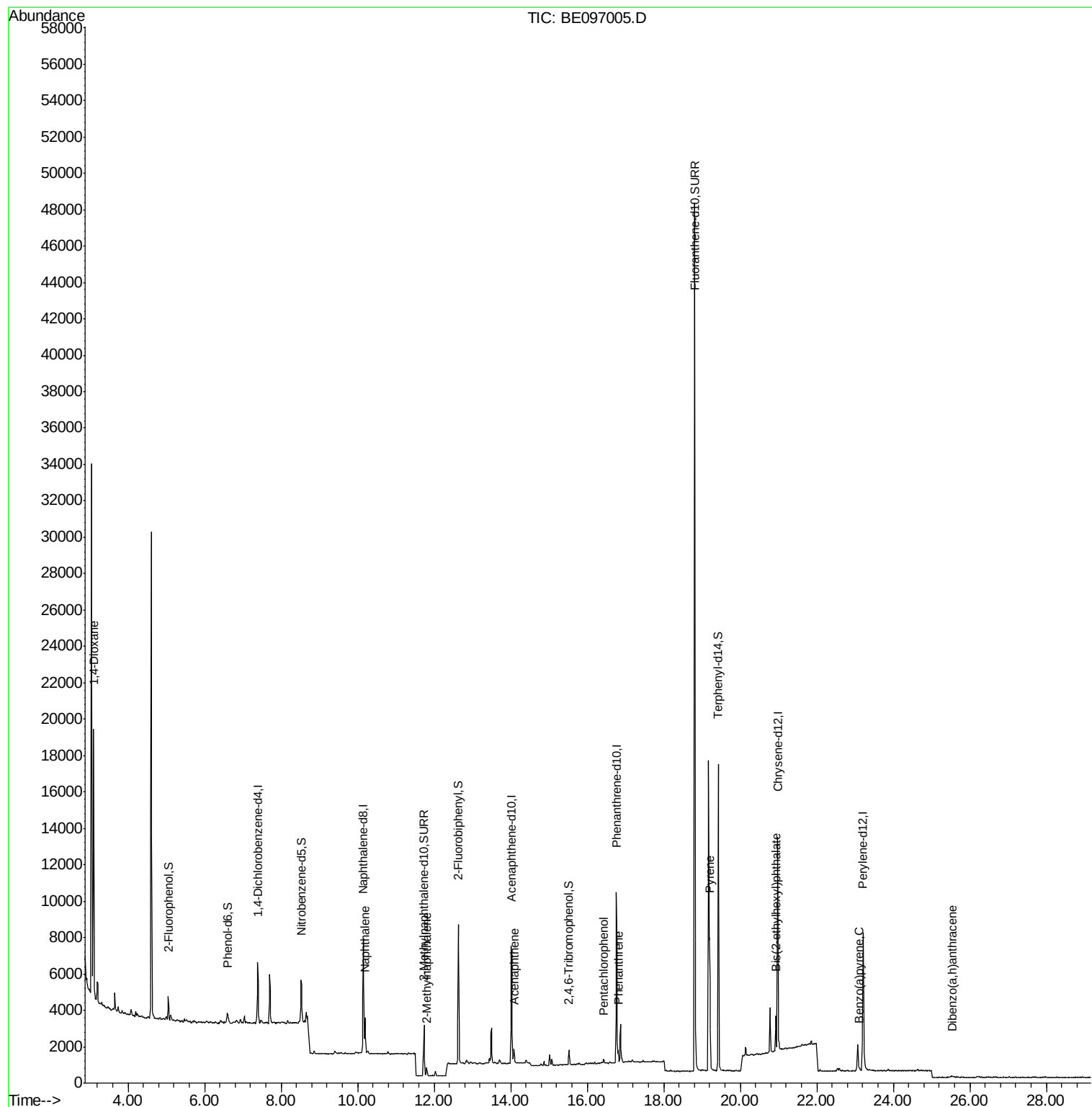
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	7991	3.837	ng	# 88
9) Naphthalene	10.20	128	3063	0.051	ng	# 95
12) 2-Methylnaphthalene	11.80	142	318	0.031	ng	# 89
17) Acenaphthene	14.08	154	338	0.029	ng	# 85
22) Pentachlorophenol	16.44	266	126	0.141	ng	# 88
23) Phenanthrene	16.81	178	652	0.022	ng	# 89
28) Pyrene	19.21	202	6448	0.178	ng	# 99
32) Bis(2-ethylhexyl)phthalate	20.93	149	2446	0.084	ng	100
37) Benzo(a)pyrene	23.11	252	94	0.104	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	48	0.119	ng	# 1

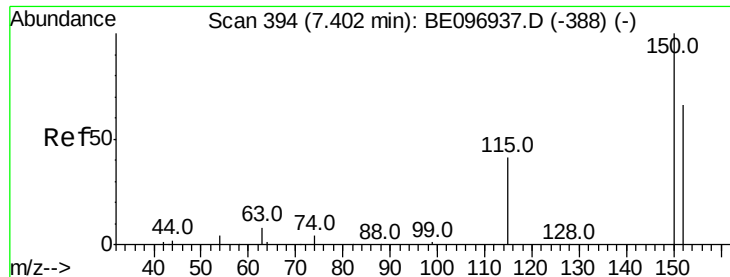
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 17 15:02:56 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

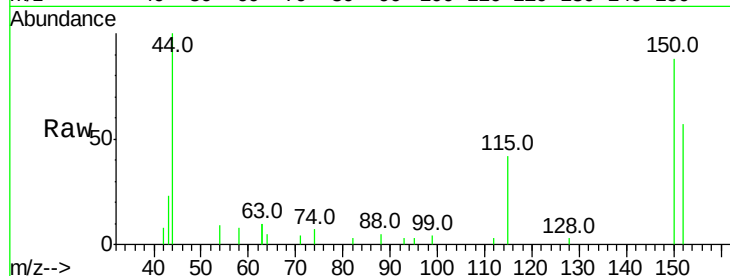
Tot Ion:152 Resp: 1455

Ion Ratio Lower Upper

152 100

150 153.6 117.2 175.8

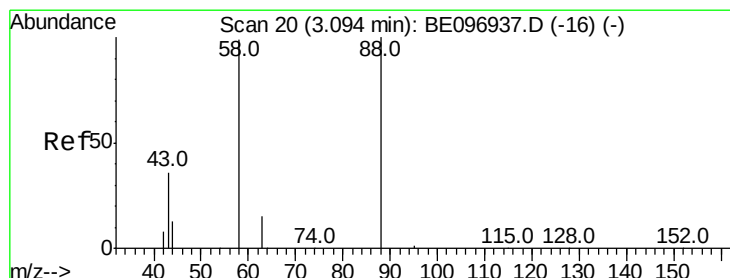
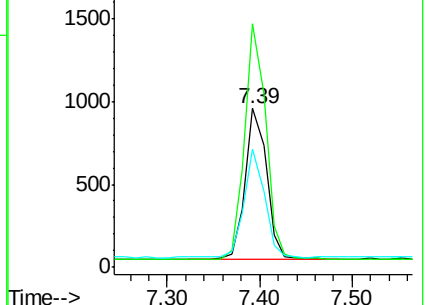
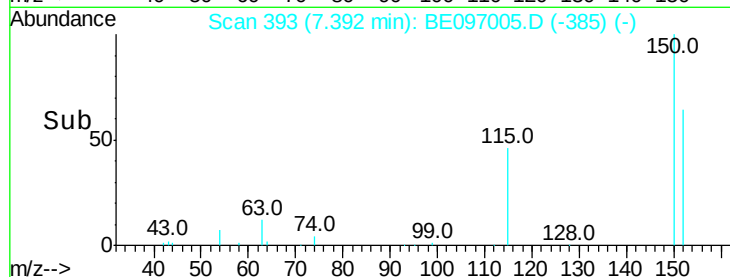
115 74.2 57.0 85.6



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: 3.837 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

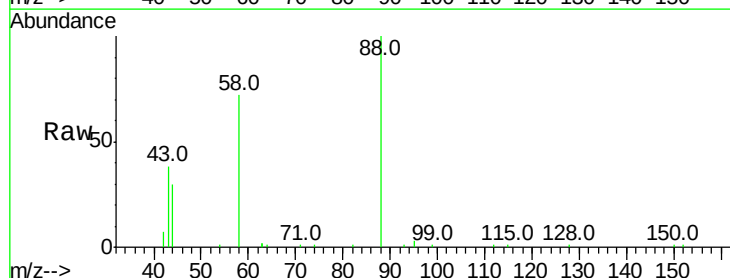
Tgt Ion: 88 Resp: 7991

Ion Ratio Lower Upper

88 100

58 81.6 63.2 94.8

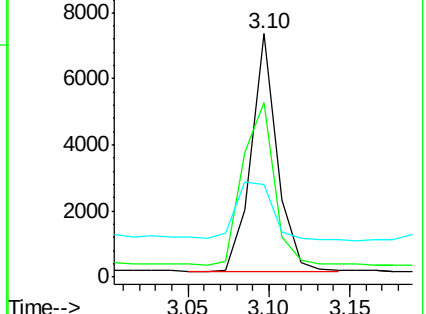
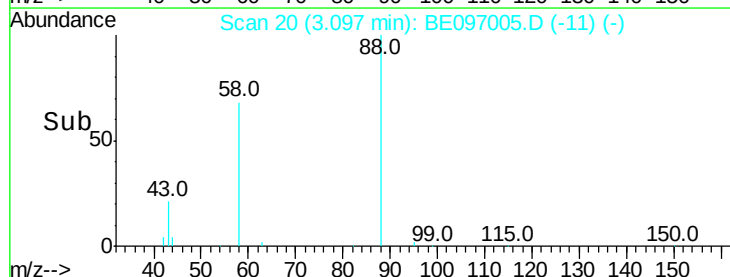
43 33.9 41.2 61.8#

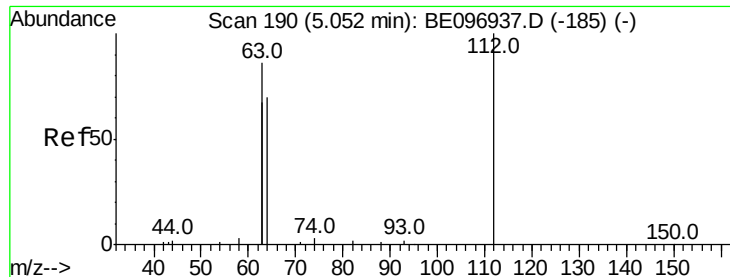


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.173 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

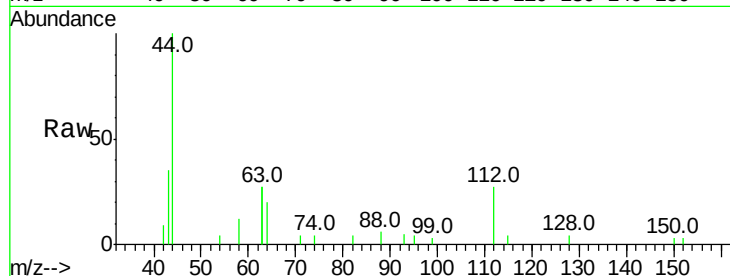
Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampled :



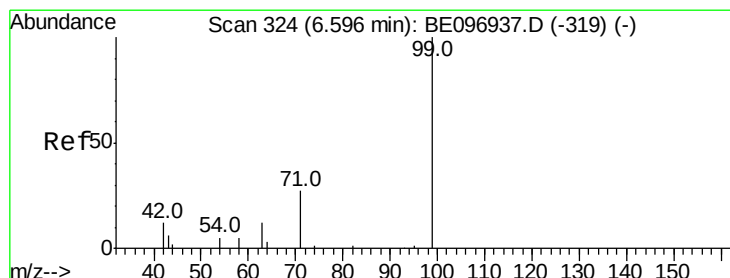
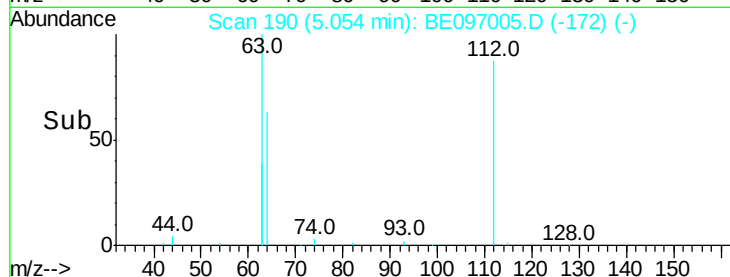
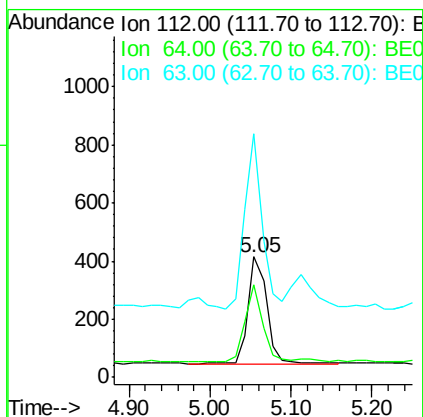
Tot Ion: 112 Resp: 601

Ion Ratio Lower Upper

112 100

64 65.9 60.1 90.1

63 150.1 116.8 175.2



#5

Phenol-d6

Concen: 0.095 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

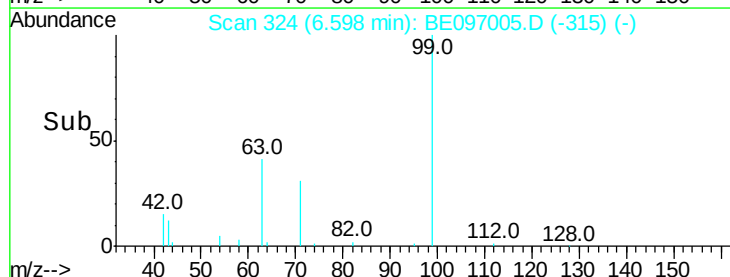
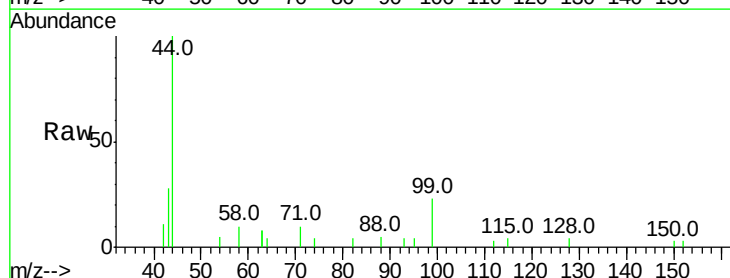
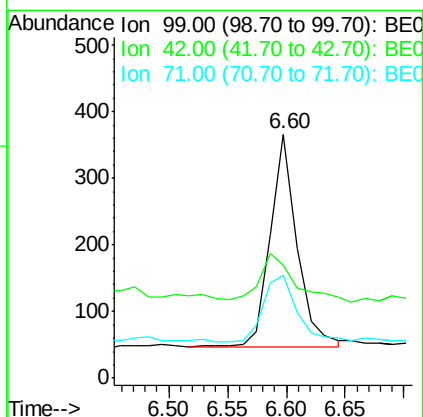
Tgt Ion: 99 Resp: 505

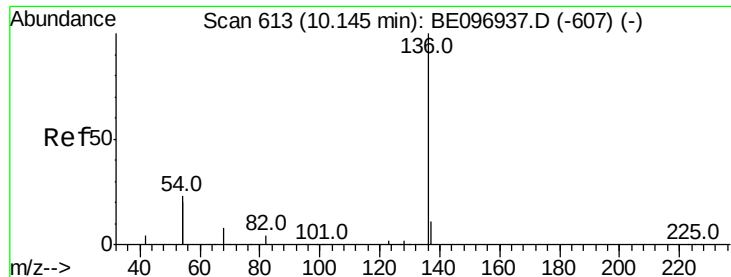
Ion Ratio Lower Upper

99 100

42 26.9 20.2 30.2

71 40.0 28.4 42.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6689

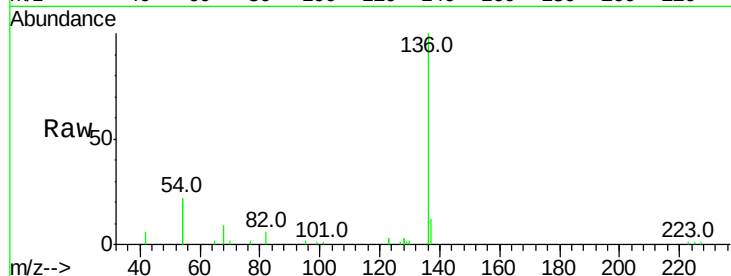
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 44.9 29.1 43.7#

68 8.9 6.2 9.2

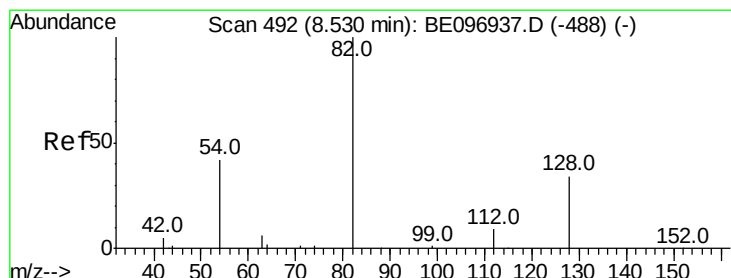
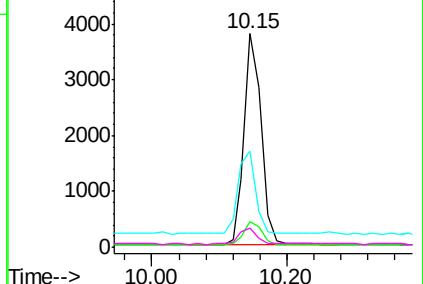
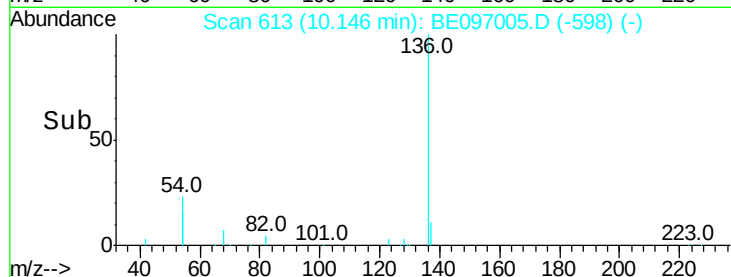


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.455 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

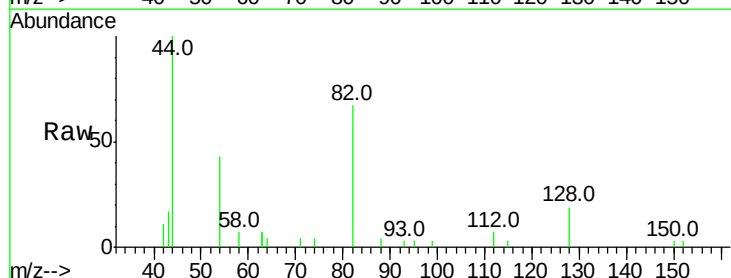
Tgt Ion: 82 Resp: 2219

Ion Ratio Lower Upper

82 100

128 28.3 24.0 36.0

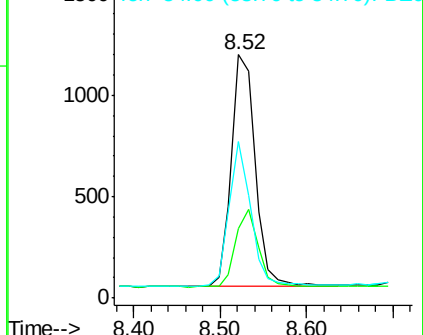
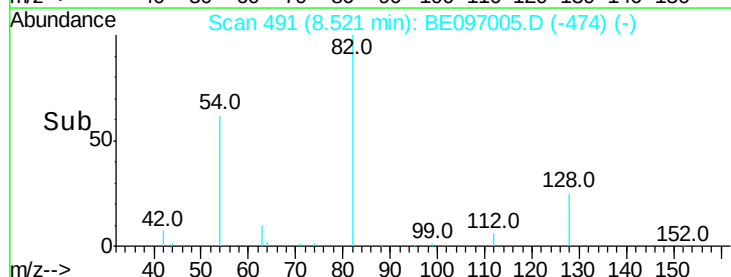
54 64.3 40.0 60.0#

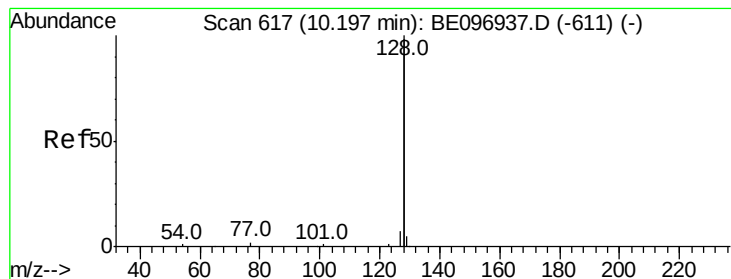


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.051 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

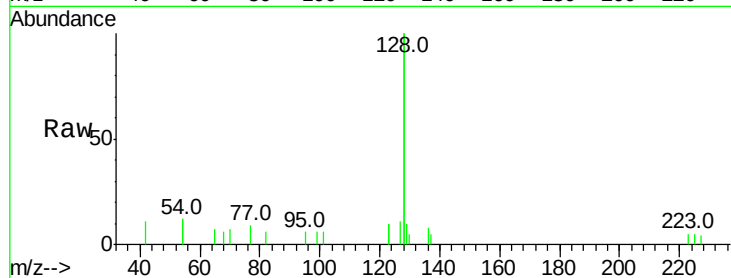
Tot Ion:128 Resp: 3063

Ion Ratio Lower Upper

128 100

129 4.9 2.6 3.8#

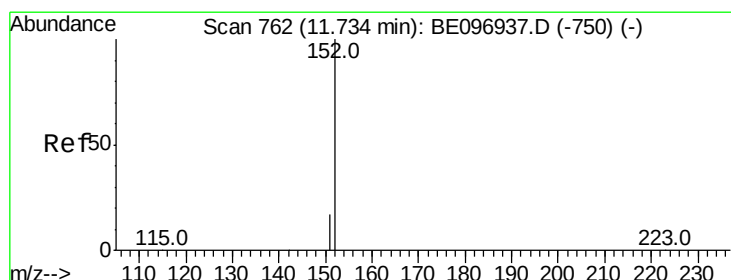
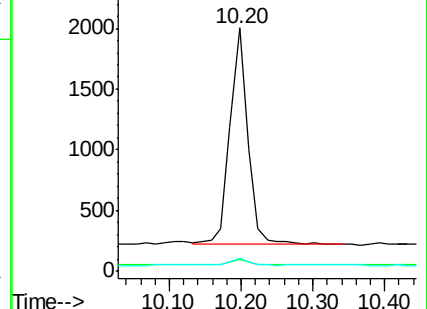
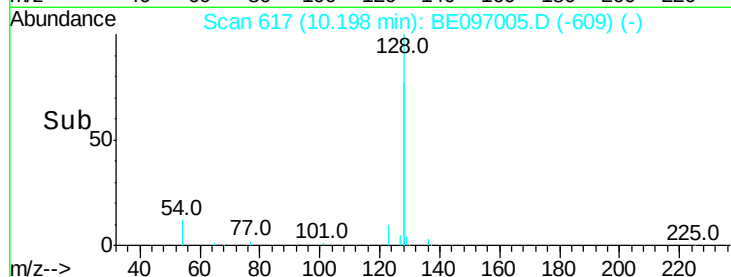
127 5.3 2.8 4.2#



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: 0.399 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE097005.D

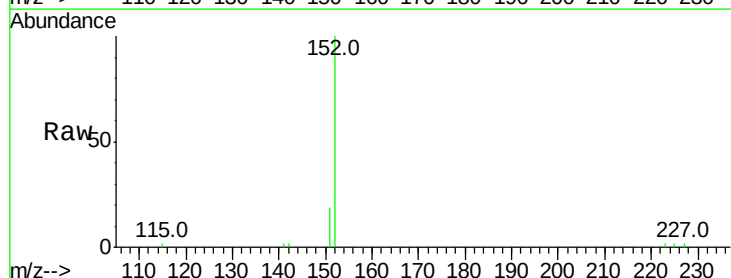
Acq: 19 Jul 2018 15:11

Tgt Ion:152 Resp: 3889

Ion Ratio Lower Upper

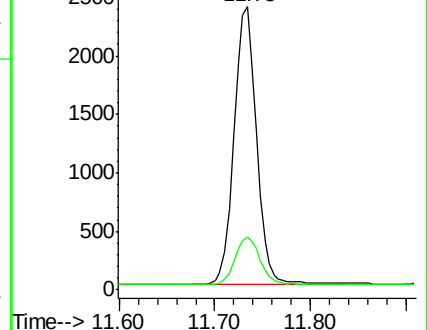
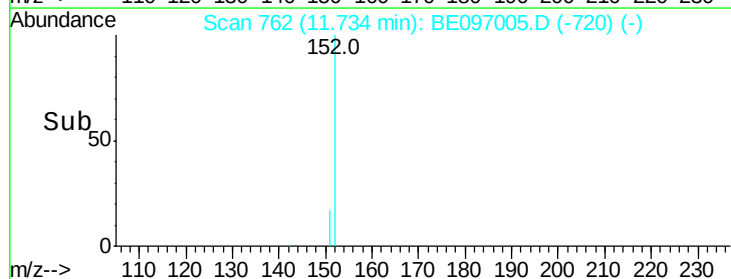
152 100

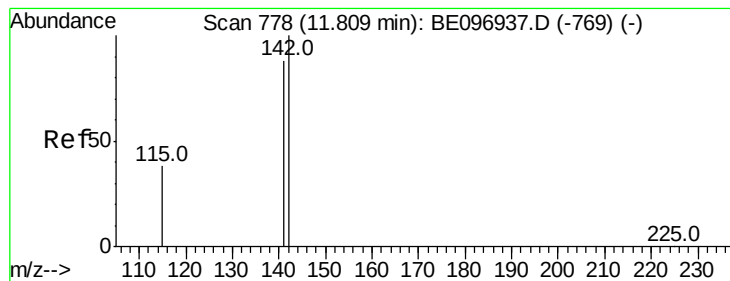
151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

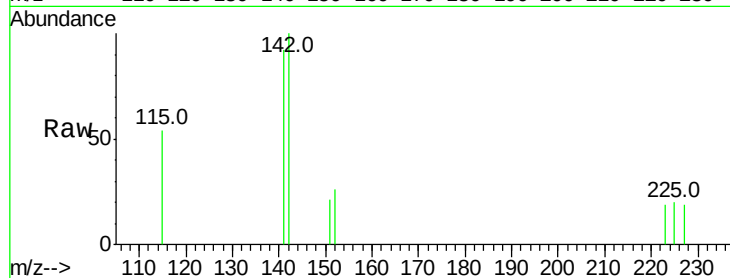
Tot Ion:142 Resp: 318

Ion Ratio Lower Upper

142 100

141 92.5 70.4 105.6

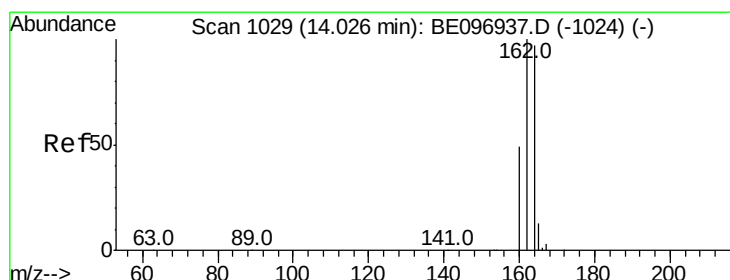
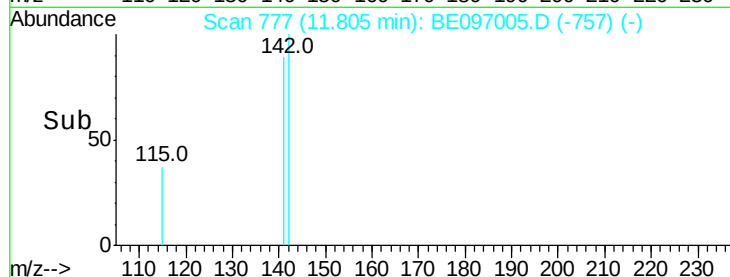
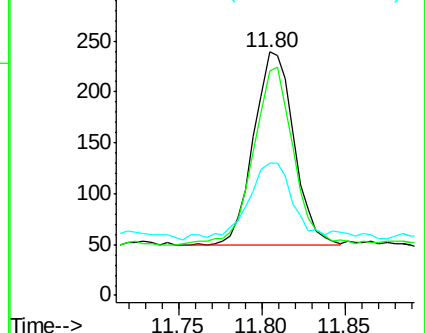
115 54.4 31.7 47.5#



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: 14.01 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

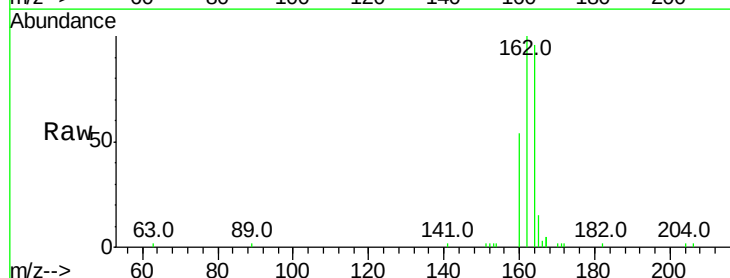
Tgt Ion:164 Resp: 4116

Ion Ratio Lower Upper

164 100

162 104.7 83.1 124.7

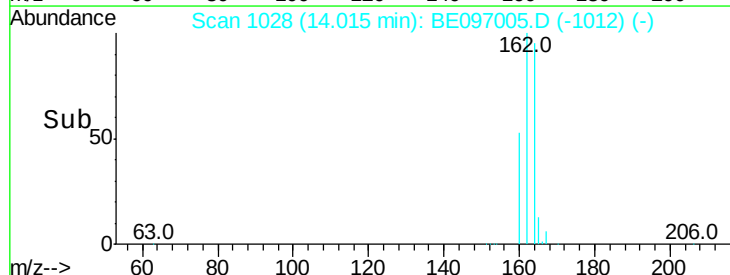
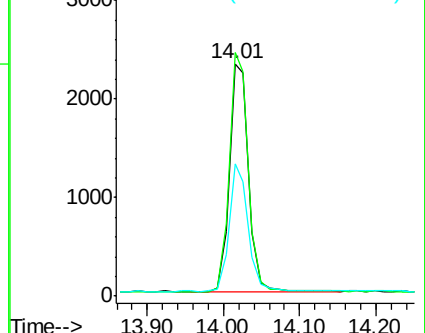
160 57.1 37.1 55.7#

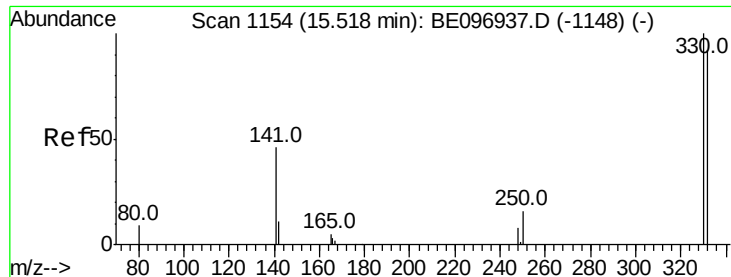


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

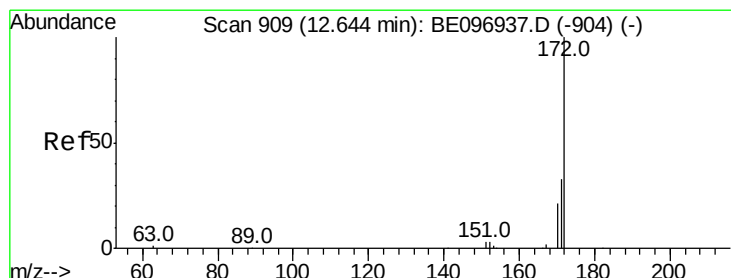
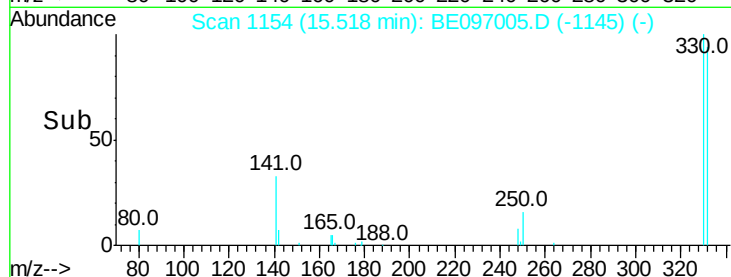
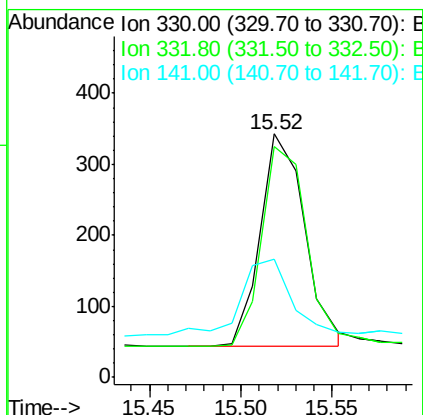
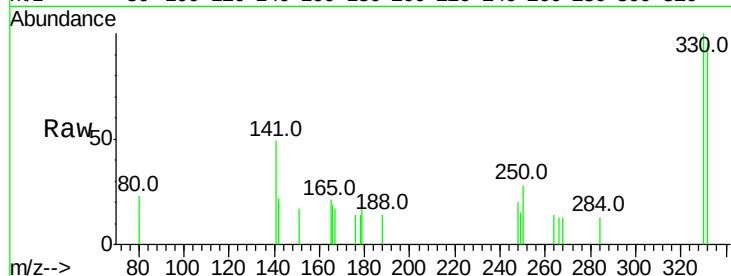




#14
 2,4,6-Tribromophenol
 Concen: 0.533 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097005.D
 Acq: 19 Jul 2018 15:11

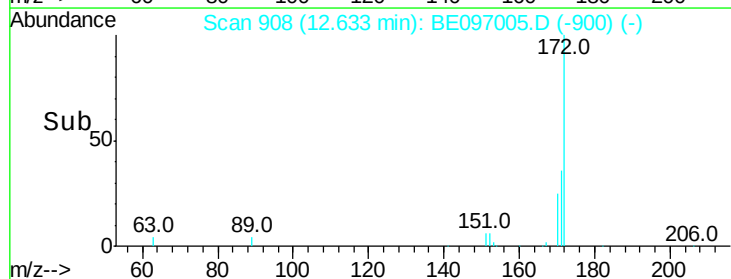
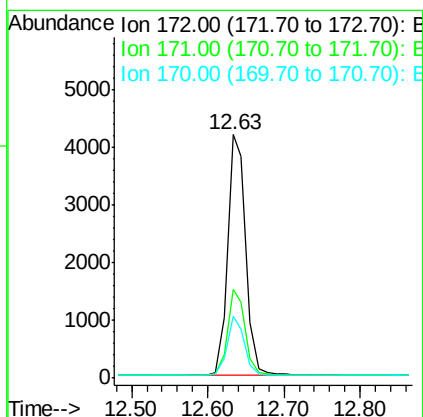
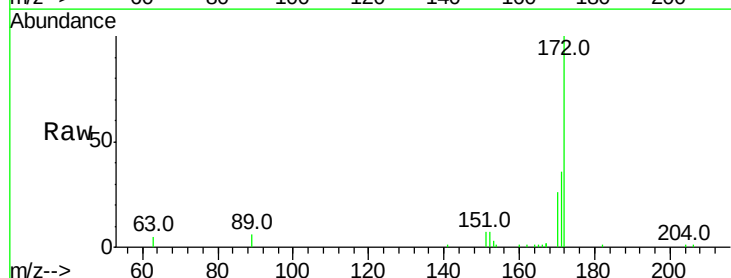
Instrument :
 BNA_E
 ClientSampleId :

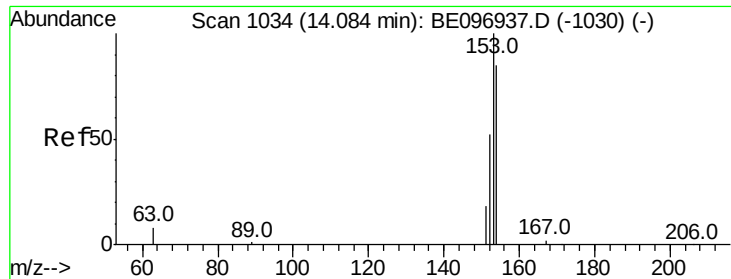
Tot Ion:330 Resp: 505
 Ion Ratio Lower Upper
 330 100
 332 95.4 152.7 229.1#
 141 40.0 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.463 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE097005.D
 Acq: 19 Jul 2018 15:11

Tgt Ion:172 Resp: 7082
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.9 44.9
 170 25.6 21.8 32.8

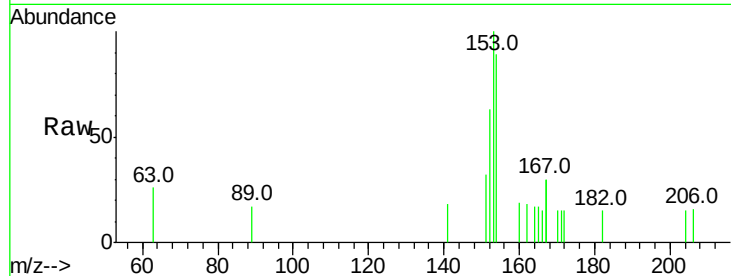




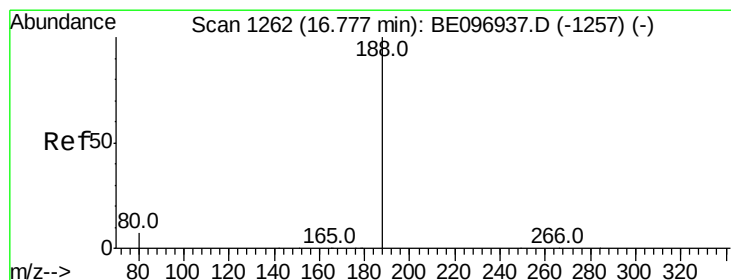
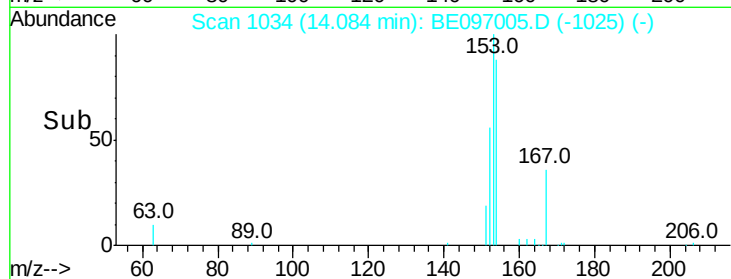
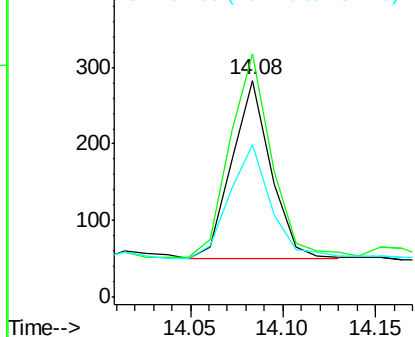
#17
Acenaphthene
Concen: 0.029 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097005.D
Acq: 19 Jul 2018 15:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 338
Ion Ratio Lower Upper
154 100
153 122.8 89.2 133.8
152 69.2 42.0 63.0#

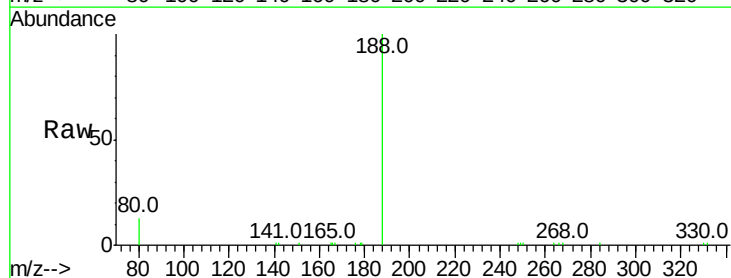


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

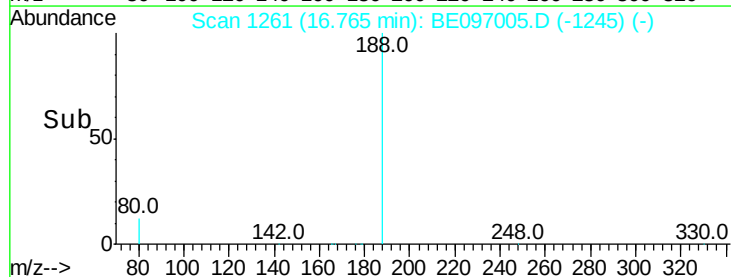
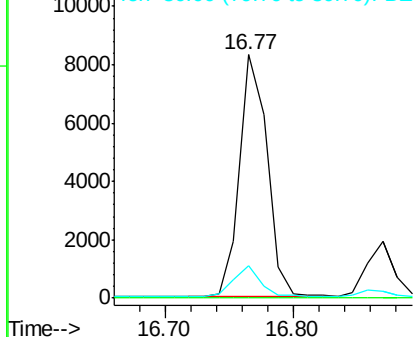


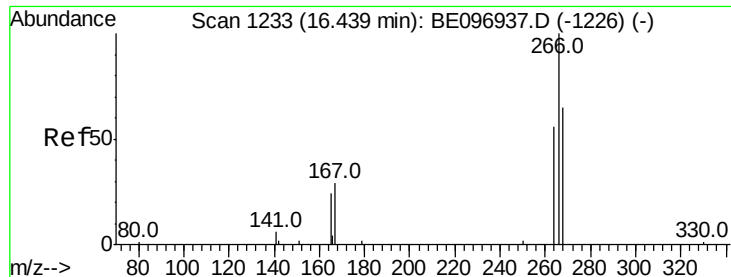
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE097005.D
Acq: 19 Jul 2018 15:11

Tgt Ion:188 Resp: 12420
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 13.2 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: 0.141 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

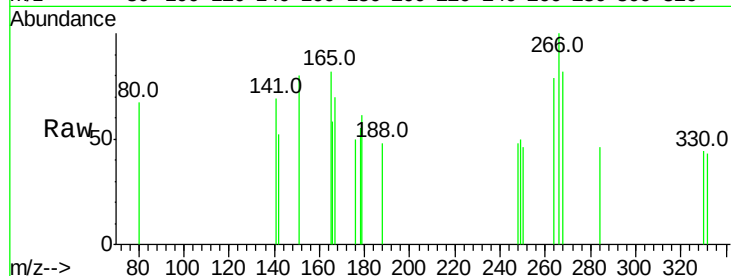
Tot Ion:266 Resp: 126

Ion Ratio Lower Upper

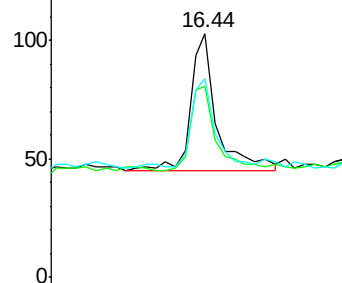
266 100

264 78.6 72.5 108.7

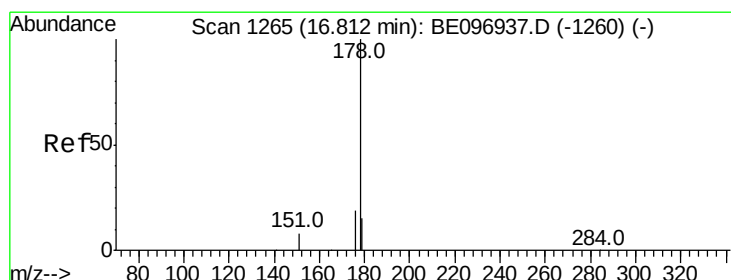
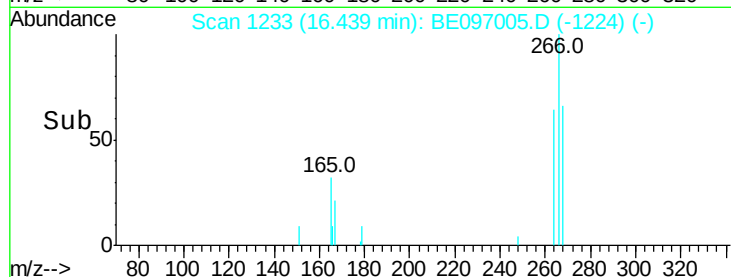
268 81.6 73.8 110.6



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



Time-->



#23

Phenanthrene

Concen: 0.022 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

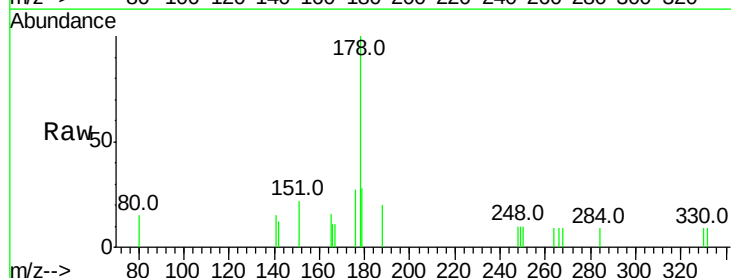
Tgt Ion:178 Resp: 652

Ion Ratio Lower Upper

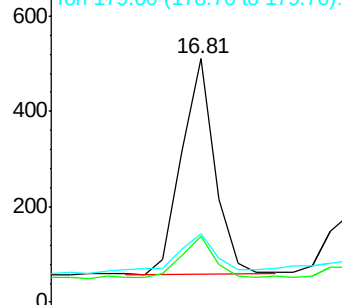
178 100

176 20.9 15.1 22.7

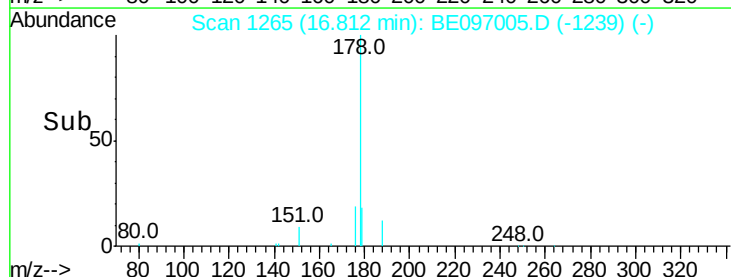
179 22.4 11.8 17.6#

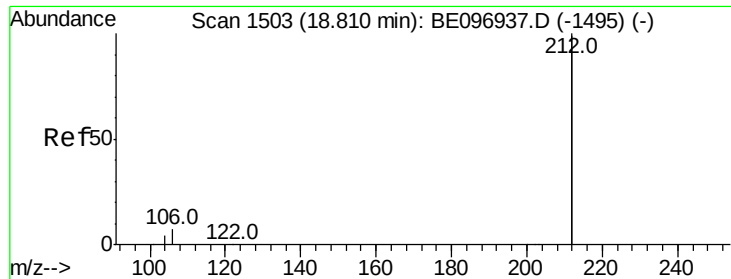


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.555 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

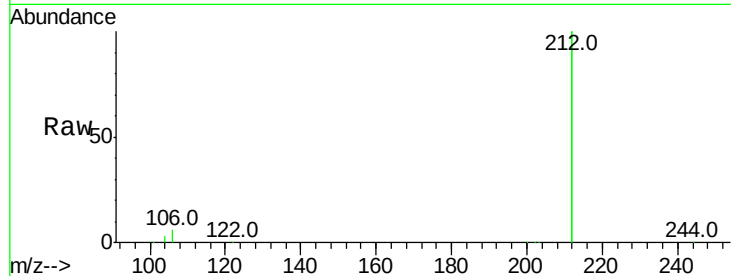
Tot Ion:212 Resp: 59992

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

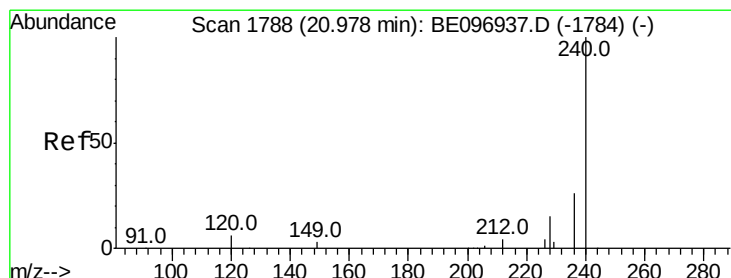
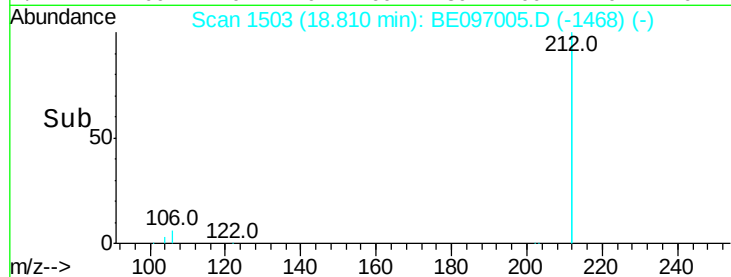
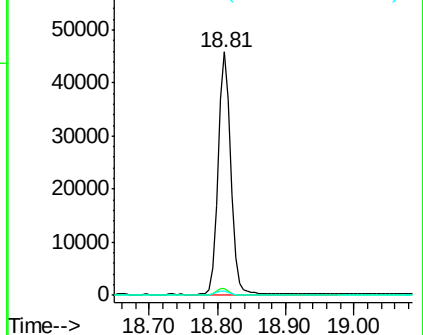
104 1.7 1.6 2.4



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: BE097005.D

Acq: 19 Jul 2018 15:11

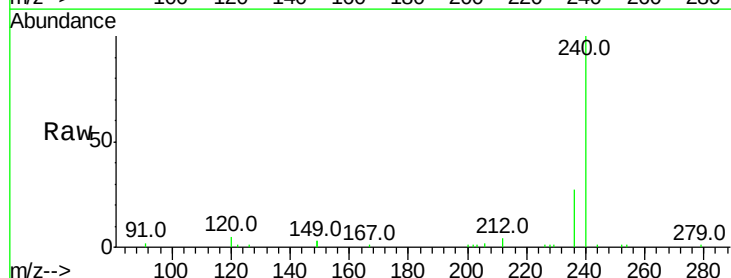
Tgt Ion:240 Resp: 12271

Ion Ratio Lower Upper

240 100

120 5.3 5.5 8.3#

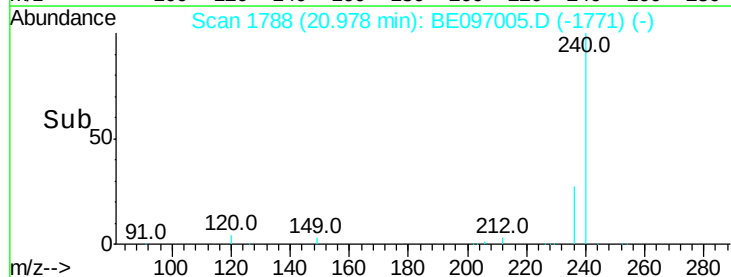
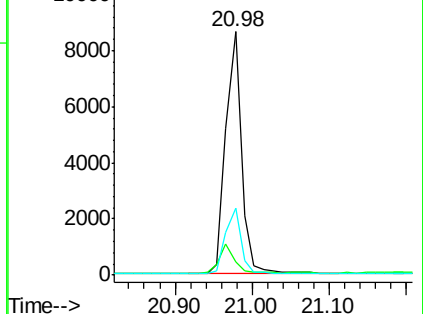
236 27.4 20.7 31.1

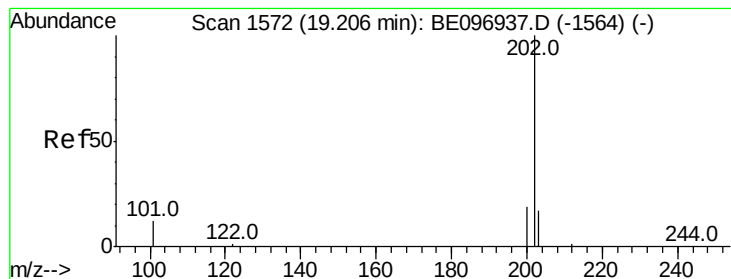


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.178 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampleId :

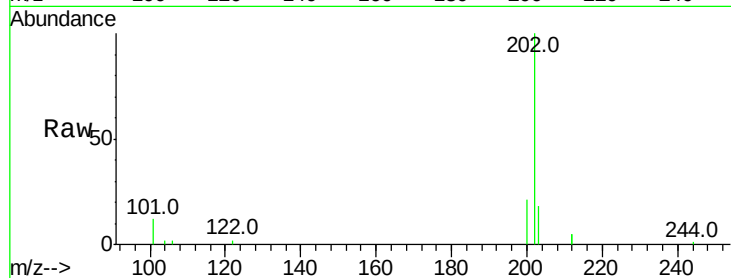
Tot Ion:202 Resp: 6448

Ion Ratio Lower Upper

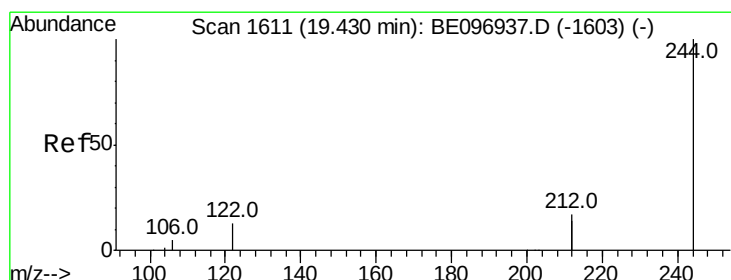
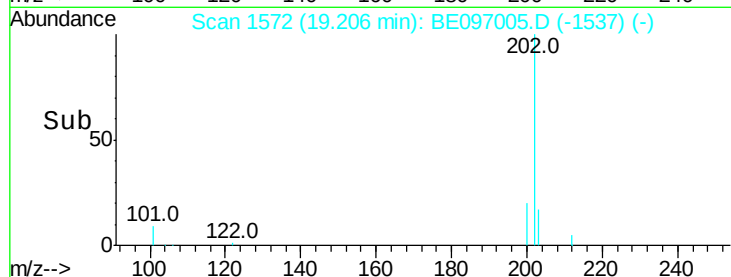
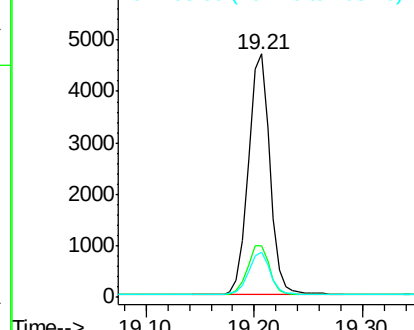
202 100

200 21.1 16.6 25.0

203 17.6 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: 0.597 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

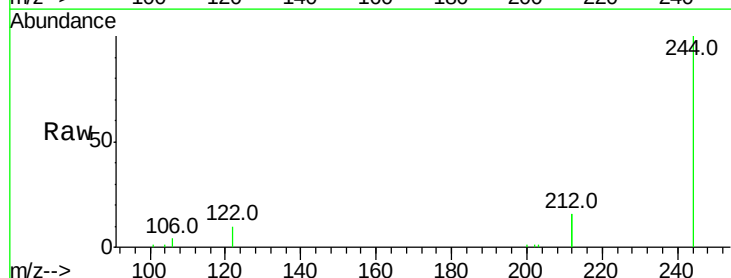
Tgt Ion:244 Resp: 14145

Ion Ratio Lower Upper

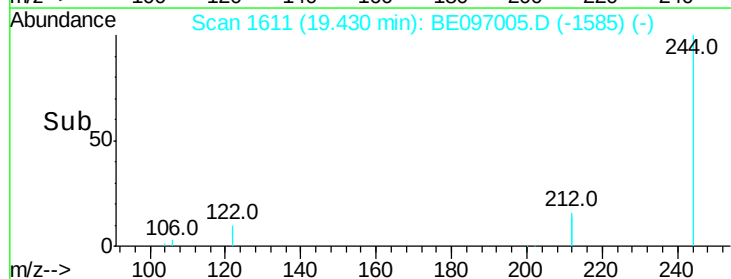
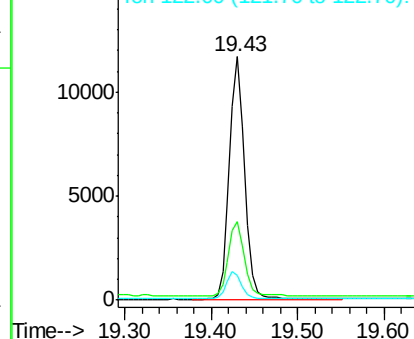
244 100

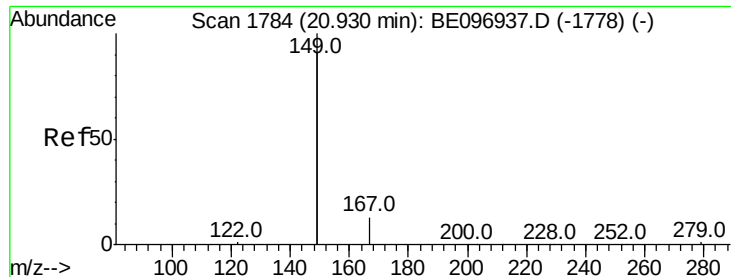
212 32.2 25.4 38.0

122 10.2 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

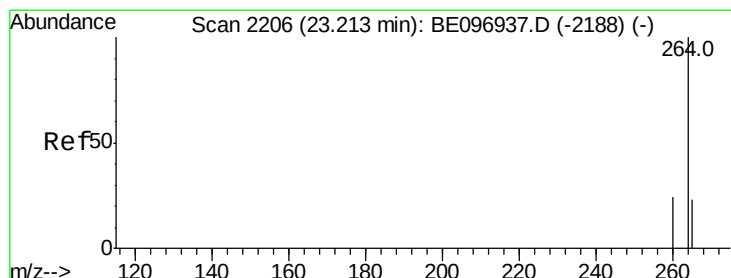
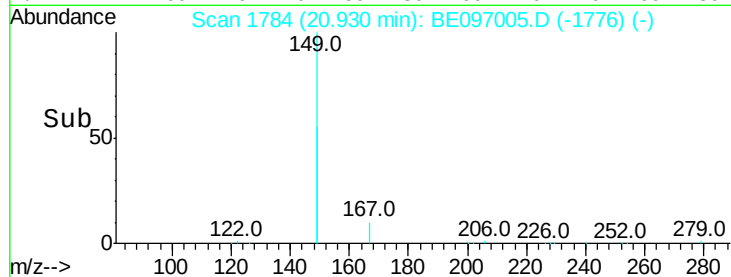
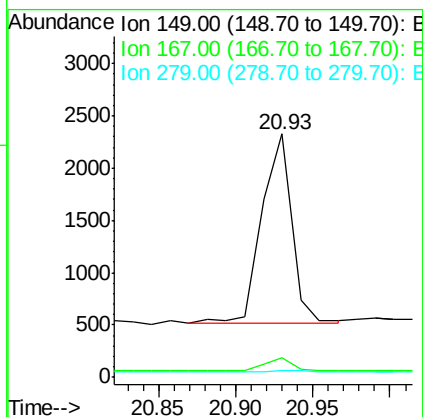
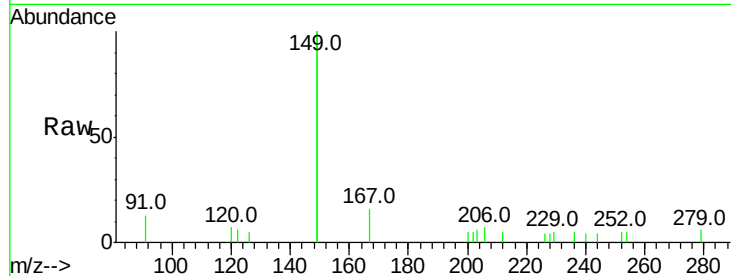




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.084 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: BE097005.D
 Acq: 19 Jul 2018 15:11

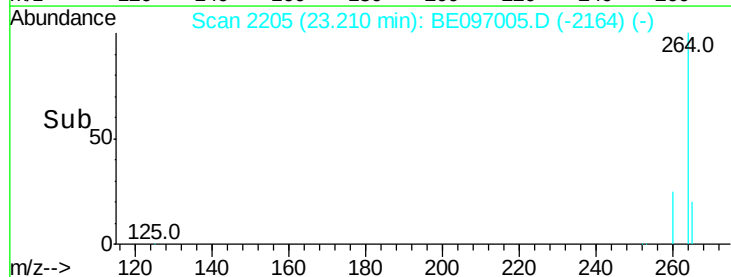
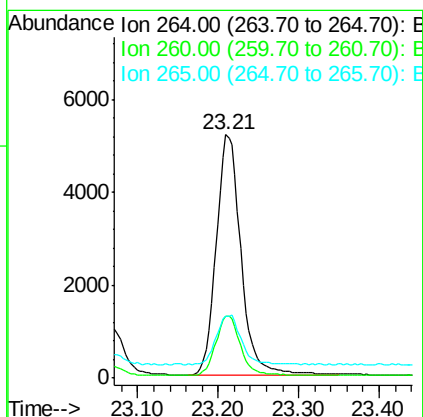
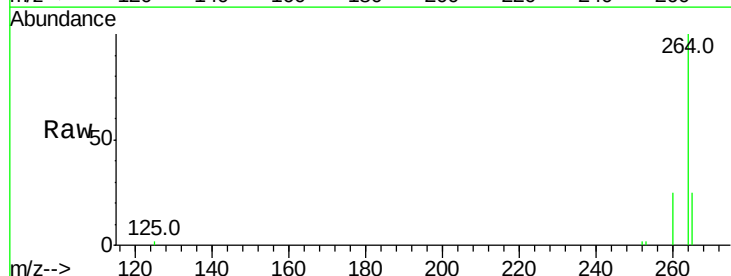
Instrument :
 BNA_E
 ClientSampleId :

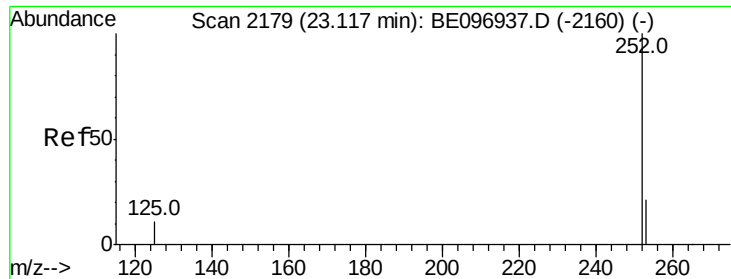
Tot Ion:149 Resp: 2446
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.4 8.0
 279 1.1 0.7 1.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE097005.D
 Acq: 19 Jul 2018 15:11

Tgt Ion:264 Resp: 10990
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.5 30.7
 265 25.4 22.8 34.2





#37

Benzo(a)pyrene

Concen: 0.104 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.01 min

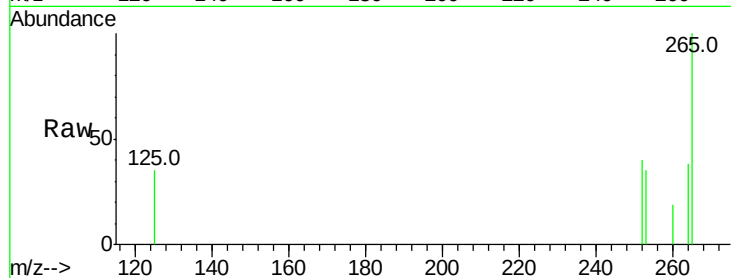
Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Instrument :

BNA_E

ClientSampled :



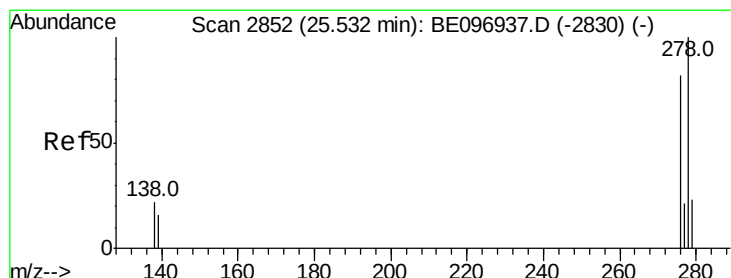
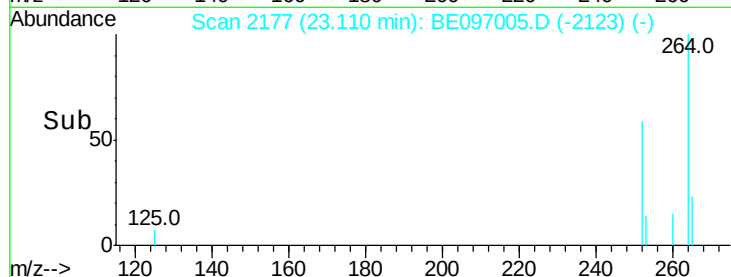
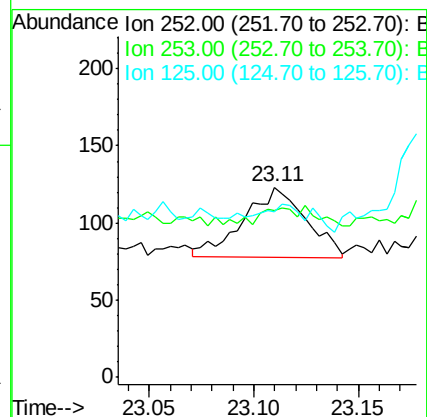
Tot Ion:252 Resp: 94

Ion Ratio Lower Upper

252 100

253 87.8 16.0 24.0#

125 87.0 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.119 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE097005.D

Acq: 19 Jul 2018 15:11

Tgt Ion:278 Resp: 48

Ion Ratio Lower Upper

278 100

139 93.2 16.0 24.0#

279 86.3 20.0 30.0#

