

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072018\
 Data File : BE097021.D
 Acq On : 20 Jul 2018 9:05
 Operator : SJ/JU
 Sample : J4014-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 11:34:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1450	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6500	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3783	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	11208	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11656	0.40	ng	0.00
34) Perylene-d12	23.21	264	8273	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	532	0.15	ng	0.00
5) Phenol-d6	6.60	99	399	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	1981	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3489	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	439	0.51	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5584	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	52750	0.54	ng	0.00
29) Terphenyl-d14	19.43	244	10710	0.48	ng	0.00

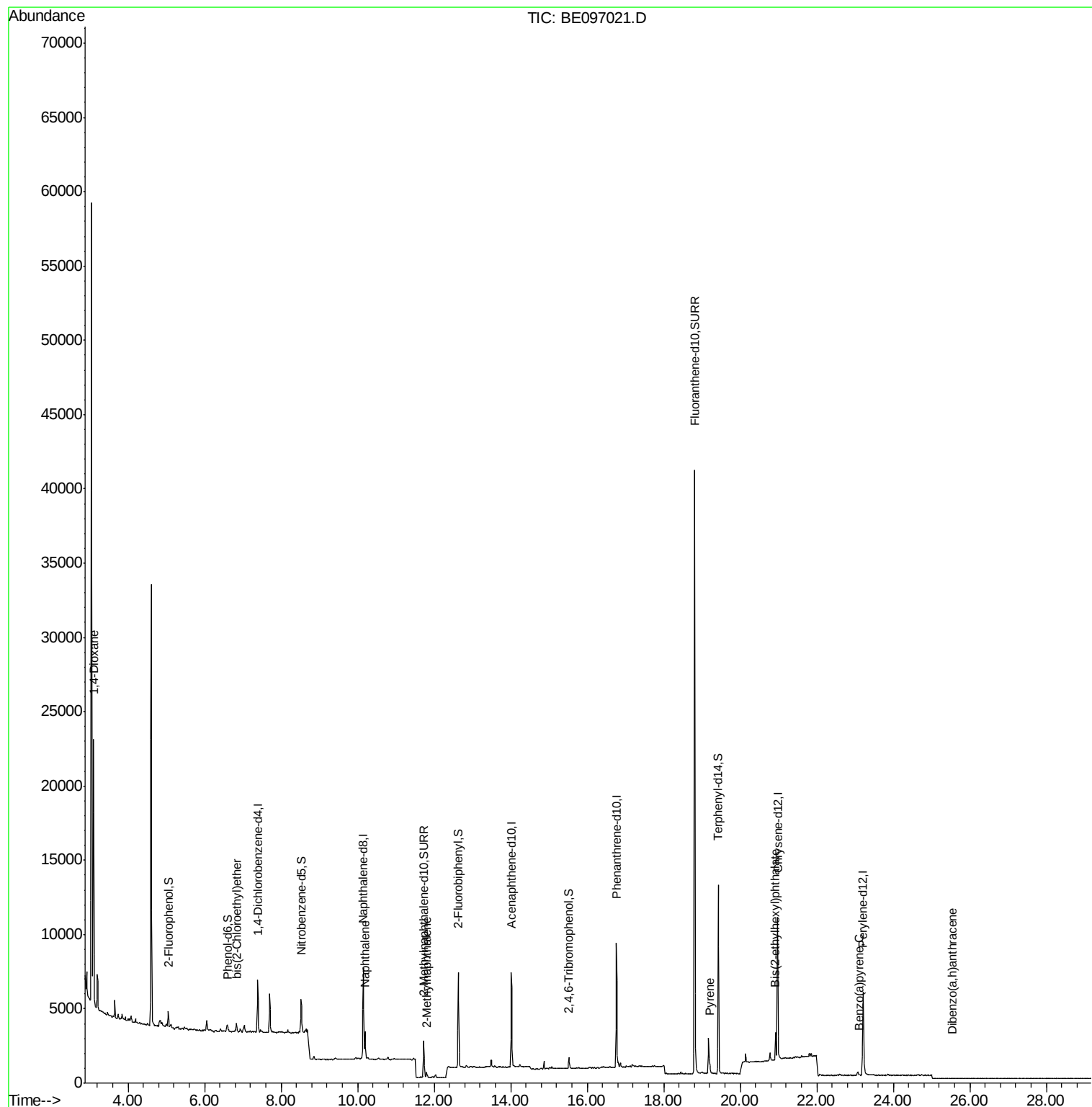
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	10267	4.946	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	182	0.035	ng	# 84
9) Naphthalene	10.20	128	2839	0.049	ng	# 95
12) 2-Methylnaphthalene	11.80	142	240	0.024	ng	# 90
22) Pentachlorophenol	16.44	266	20	Below Cal		95
28) Pyrene	19.21	202	708	0.021	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	2725	0.098	ng	98
37) Benzo(a)pyrene	23.10	252	3	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	3	0.118	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Instrument :

BNA_E

ClientSampleId :

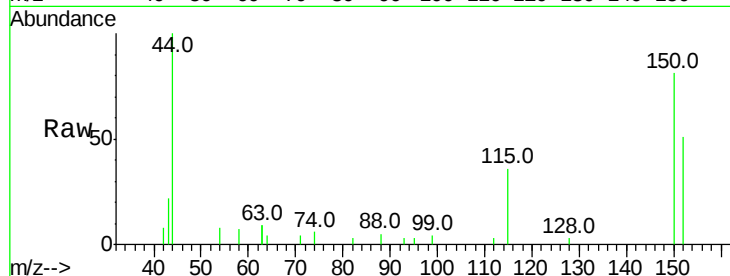
Tot Ion:152 Resp: 1450

Ion Ratio Lower Upper

152 100

150 158.4 117.2 175.8

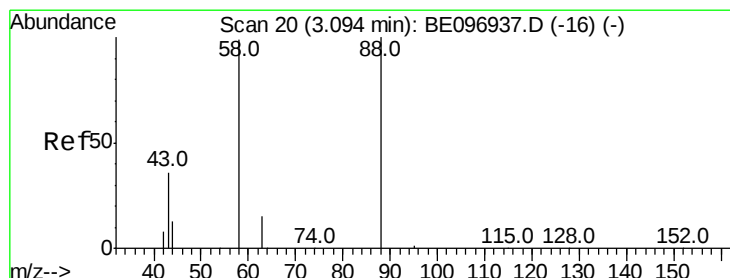
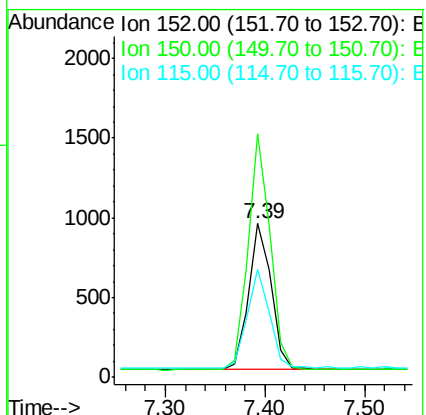
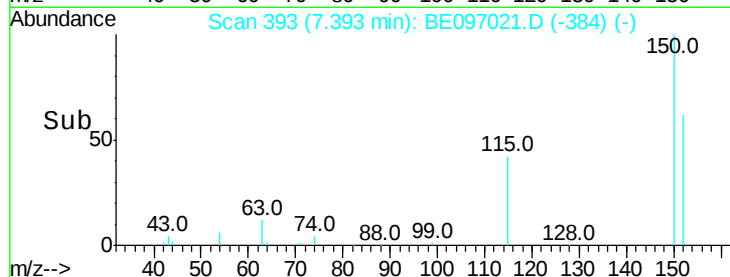
115 70.2 57.0 85.6



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: 4.946 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

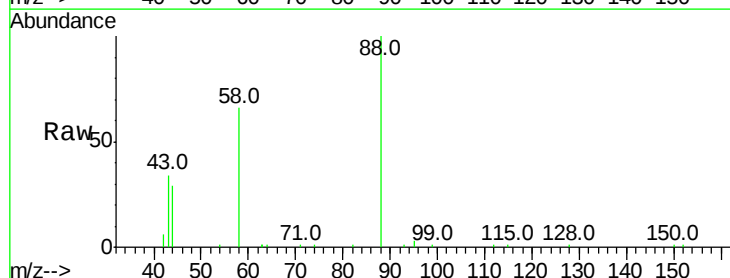
Tgt Ion: 88 Resp: 10267

Ion Ratio Lower Upper

88 100

58 83.0 63.2 94.8

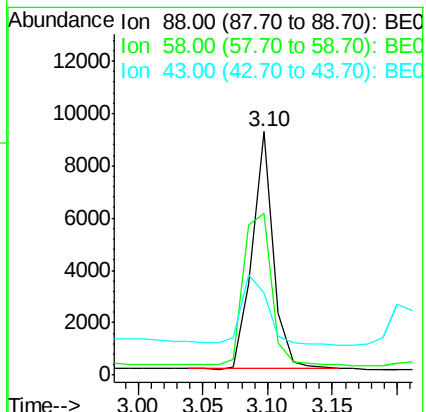
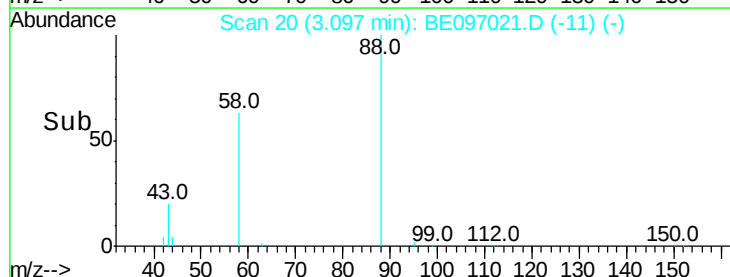
43 36.9 41.2 61.8#



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: 0.153 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Instrument :

BNA_E

ClientSampled :

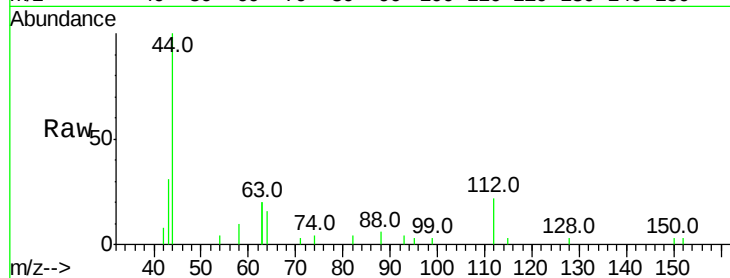
Tot Ion:112 Resp: 532

Ion Ratio Lower Upper

112 100

64 76.3 60.1 90.1

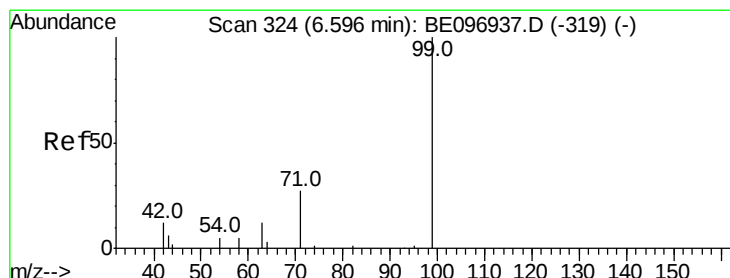
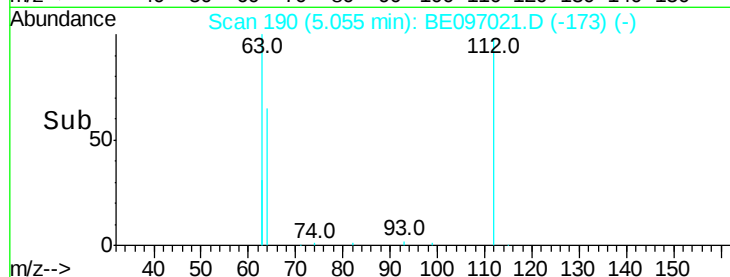
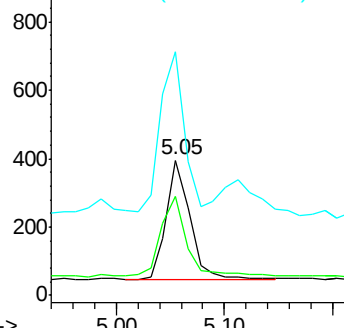
63 142.7 116.8 175.2



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: 0.075 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

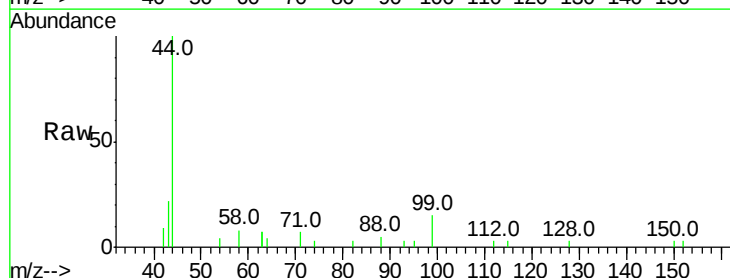
Tgt Ion: 99 Resp: 399

Ion Ratio Lower Upper

99 100

42 41.9 20.2 30.2#

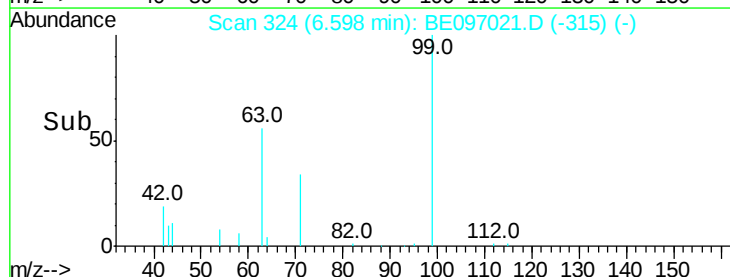
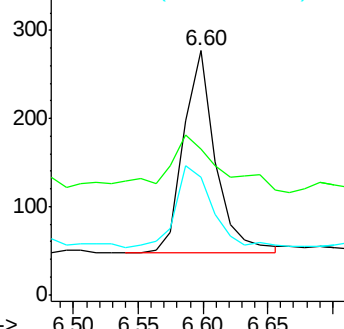
71 46.4 28.4 42.6#

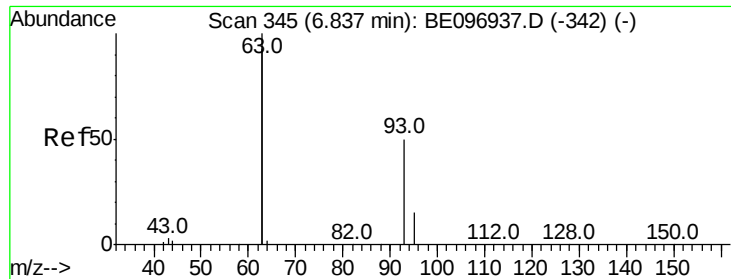


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.035 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Instrument :

BNA_E

ClientSampleId :

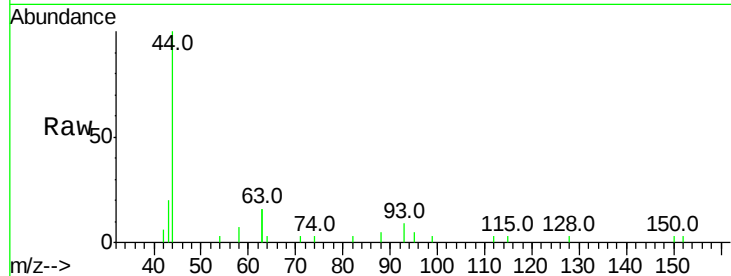
Tot Ion: 93 Resp: 182

Ion Ratio Lower Upper

93 100

63 375.3 275.3 412.9

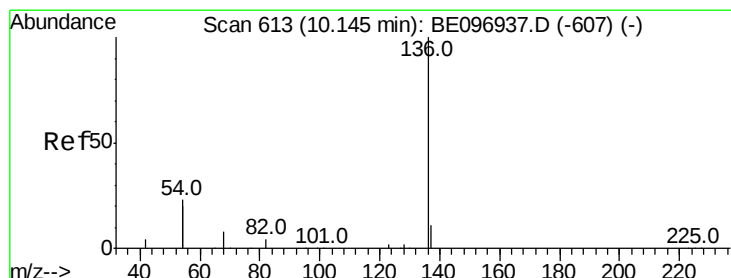
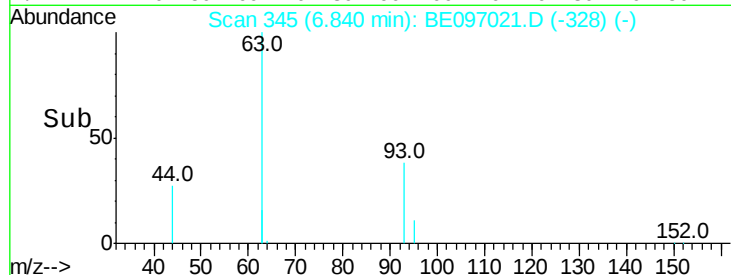
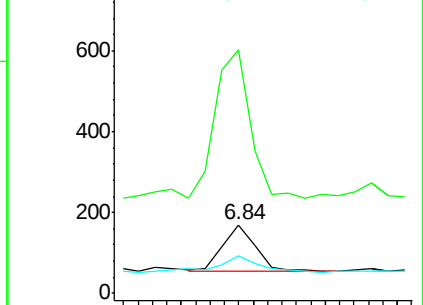
95 48.9 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Tgt Ion: 136 Resp: 6500

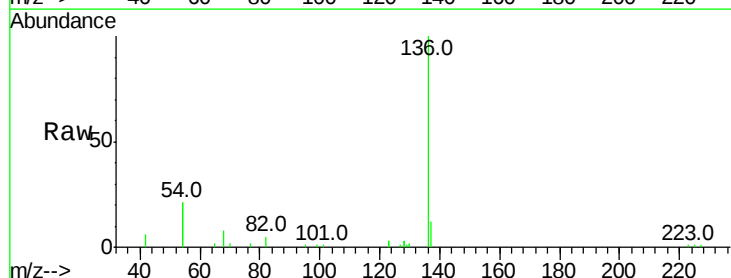
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 41.4 29.1 43.7

68 8.1 6.2 9.2

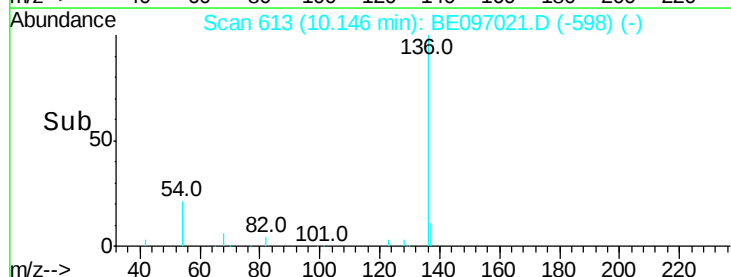
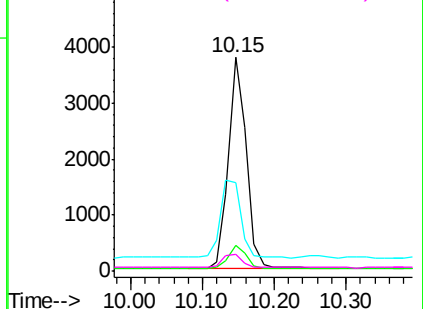


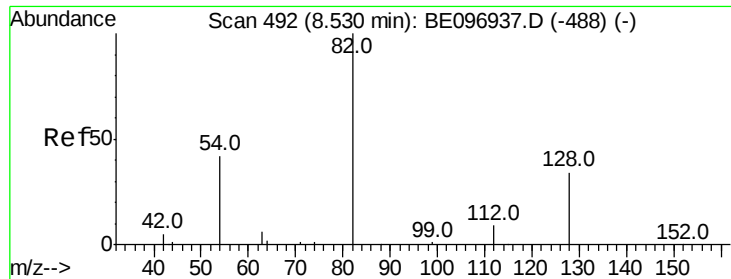
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.418 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Instrument :

BNA_E

ClientSampleId :

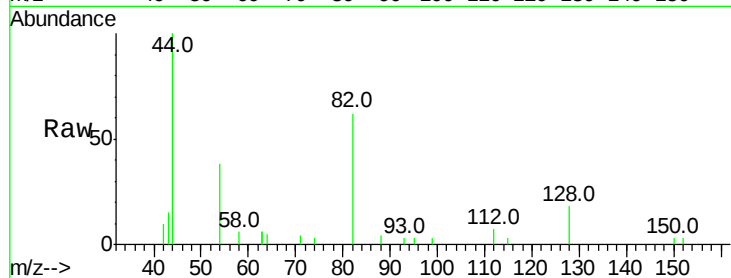
Tot Ion: 82 Resp: 1981

Ion Ratio Lower Upper

82 100

128 29.6 24.0 36.0

54 60.4 40.0 60.0#

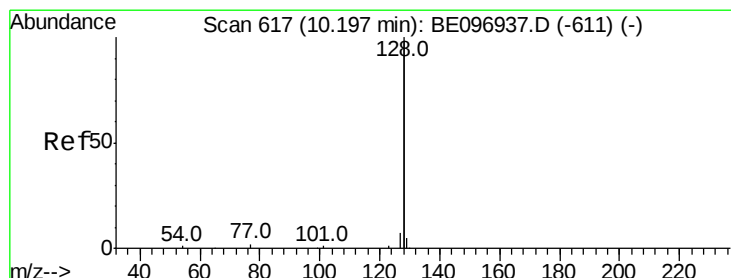
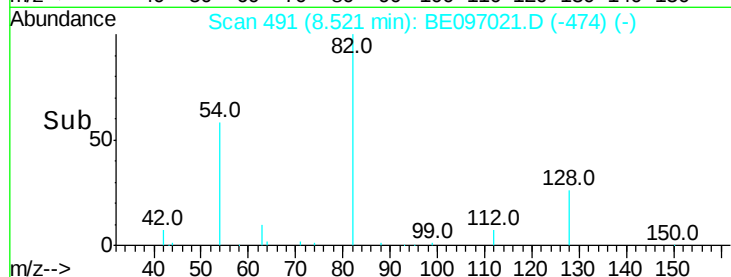


Abundance Ion 82.00 (81.70 to 82.70): BE096937.D (-488) (-)

Ion 128.00 (127.70 to 128.70): BE096937.D (-488) (-)

Ion 54.00 (53.70 to 54.70): BE096937.D (-488) (-)

Time-->



#9

Naphthalene

Concen: 0.049 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

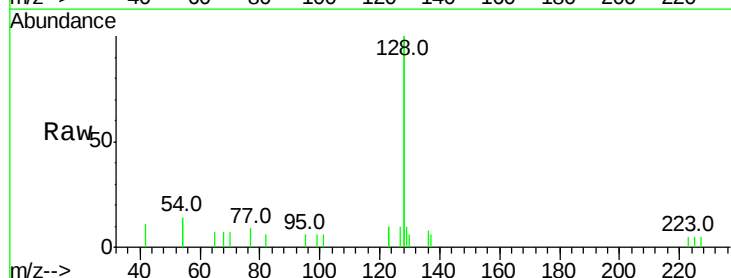
Tgt Ion:128 Resp: 2839

Ion Ratio Lower Upper

128 100

129 5.1 2.6 3.8#

127 5.1 2.8 4.2#

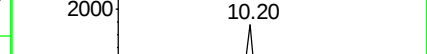
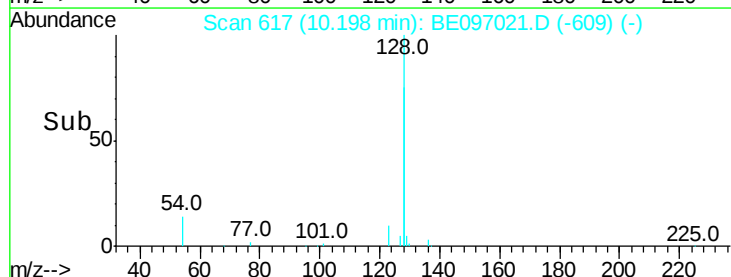


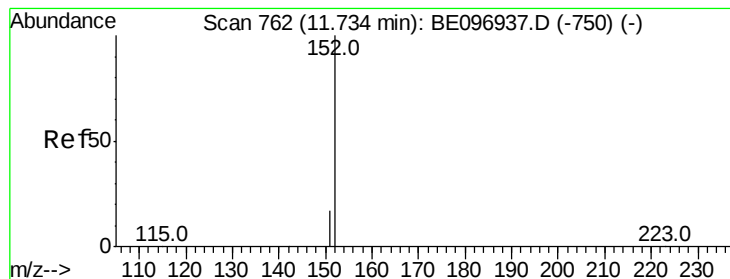
Abundance Ion 128.00 (127.70 to 128.70): BE096937.D (-611) (-)

Ion 129.00 (128.70 to 129.70): BE096937.D (-611) (-)

Ion 127.00 (126.70 to 127.70): BE096937.D (-611) (-)

Time-->

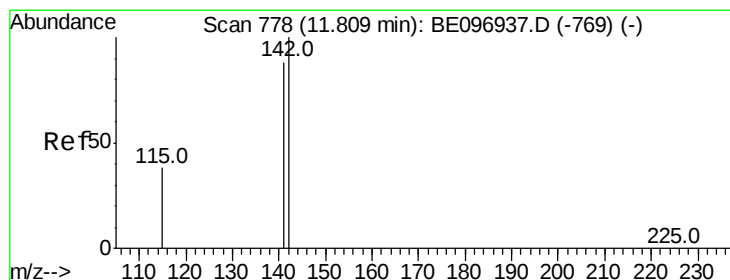
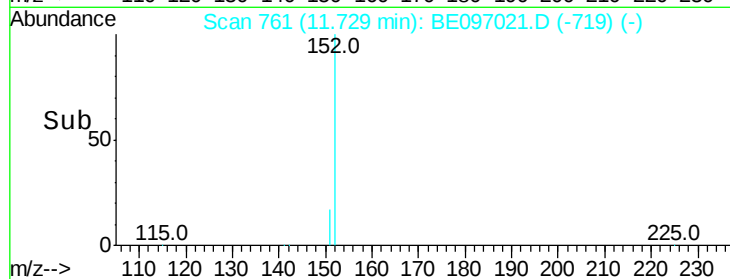
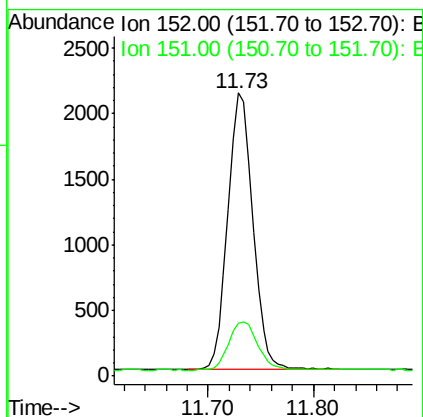
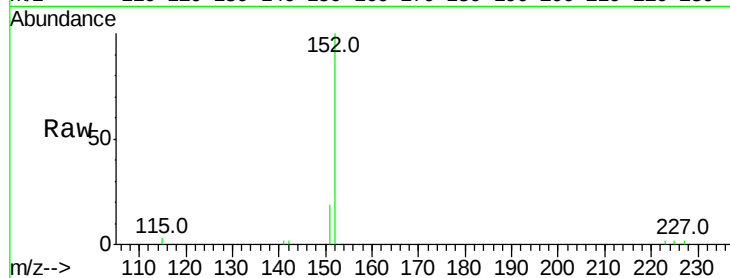




#11
 2-Methylnaphthalene-d10
 Concen: 0.368 ng
 RT: 11.73 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

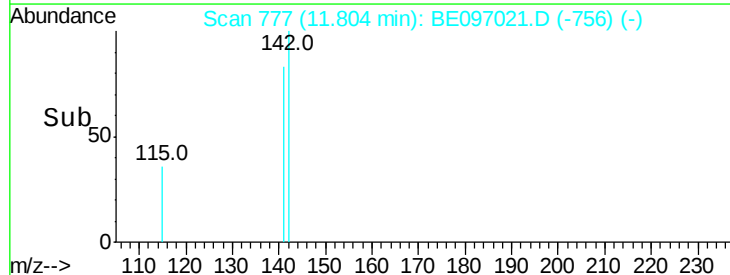
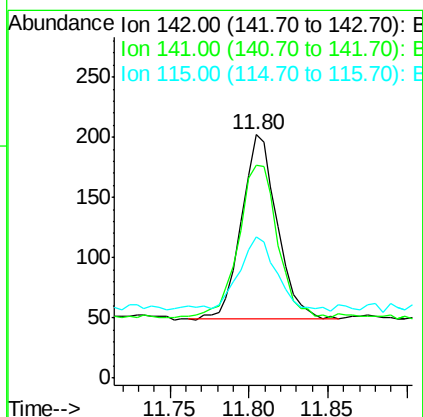
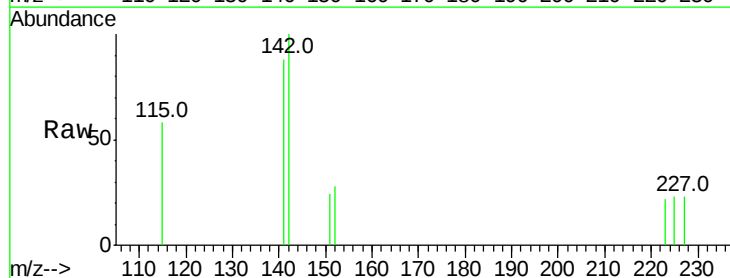
Instrument :
 BNA_E
 ClientSampleId :

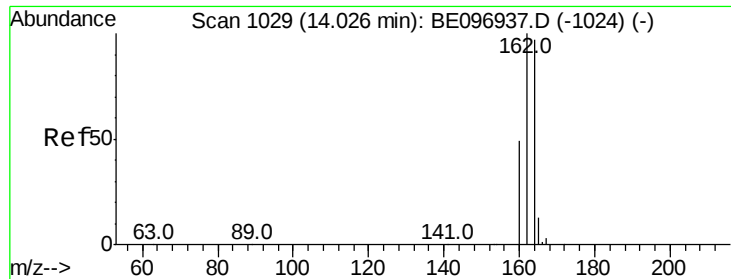
Tot Ion:152 Resp: 3489
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.024 ng
 RT: 11.80 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

Tgt Ion:142 Resp: 240
 Ion Ratio Lower Upper
 142 100
 141 87.6 70.4 105.6
 115 57.9 31.7 47.5#

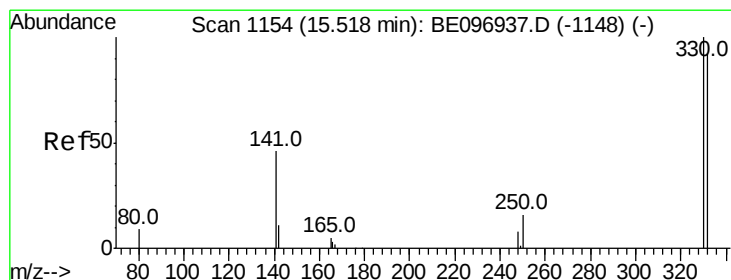
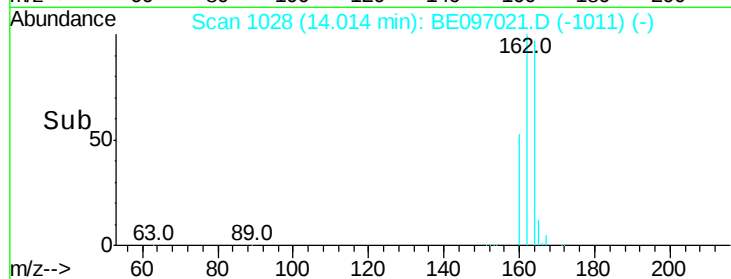
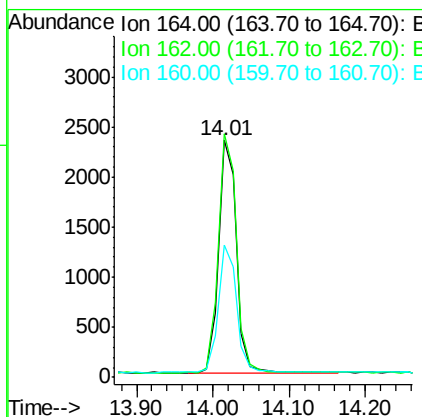
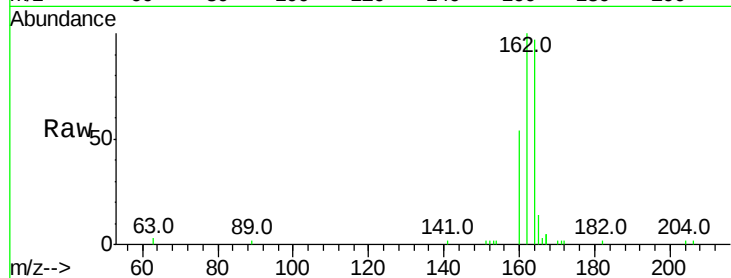




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

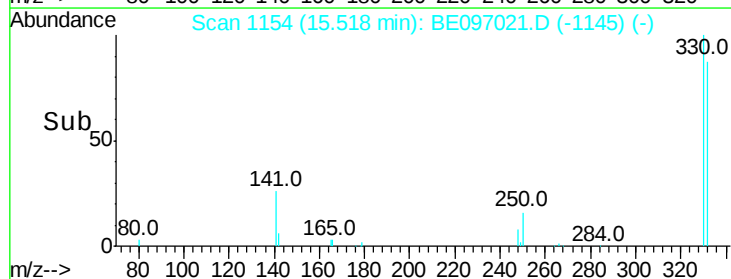
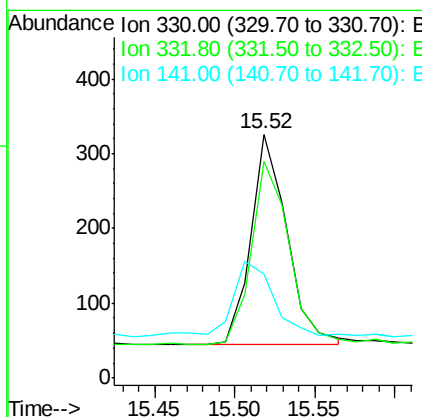
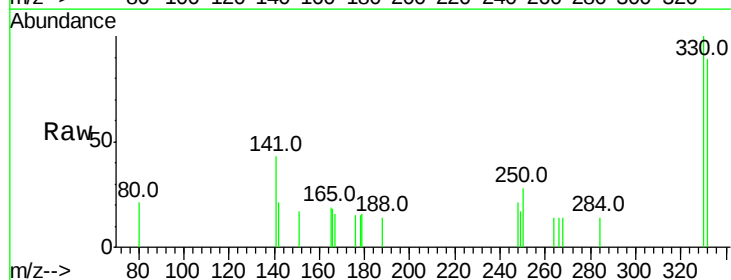
Instrument :
 BNA_E
 ClientSampleId :

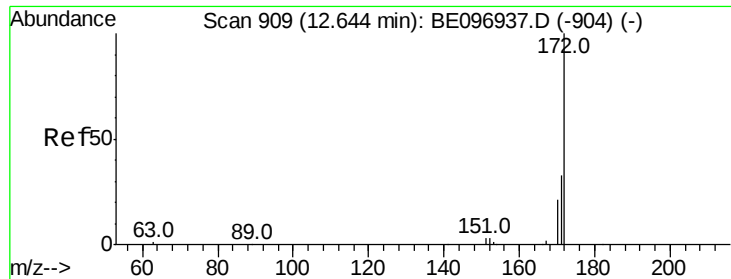
Tot Ion:164 Resp: 3783
 Ion Ratio Lower Upper
 164 100
 162 102.8 83.1 124.7
 160 55.6 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.509 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

Tgt Ion:330 Resp: 439
 Ion Ratio Lower Upper
 330 100
 332 91.3 152.7 229.1#
 141 40.3 33.7 50.5

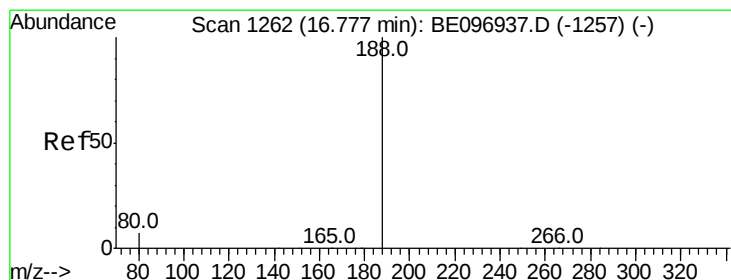
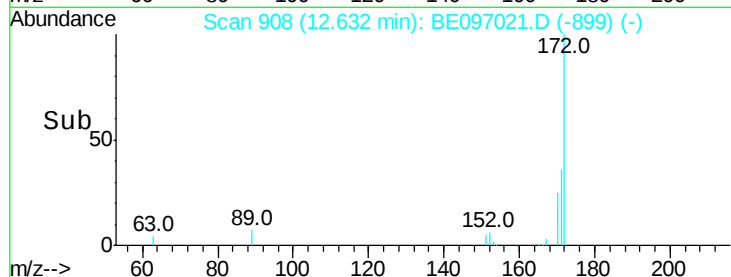
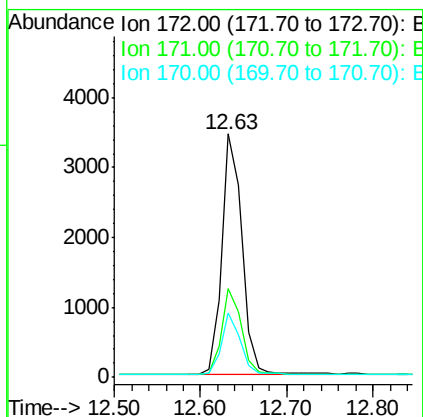
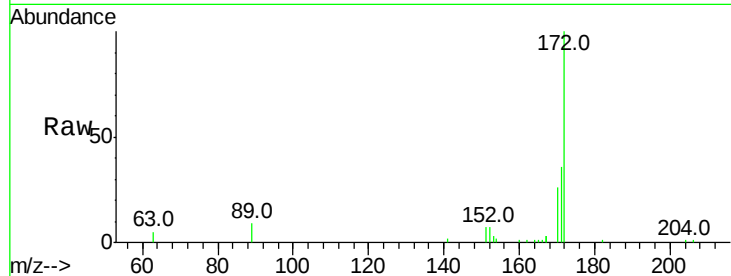




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097021.D
Acq: 20 Jul 2018 9:05

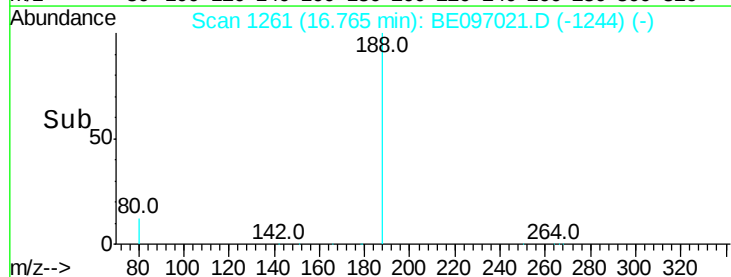
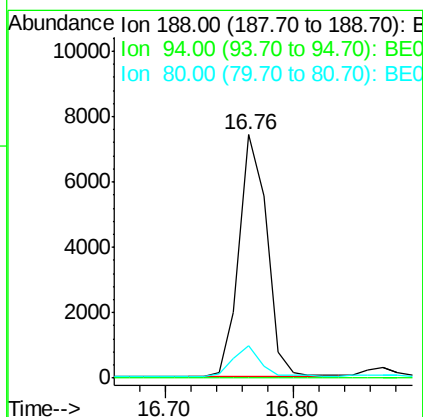
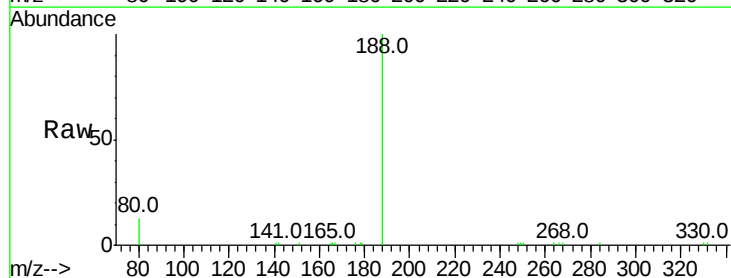
Instrument :
BNA_E
ClientSampleId :

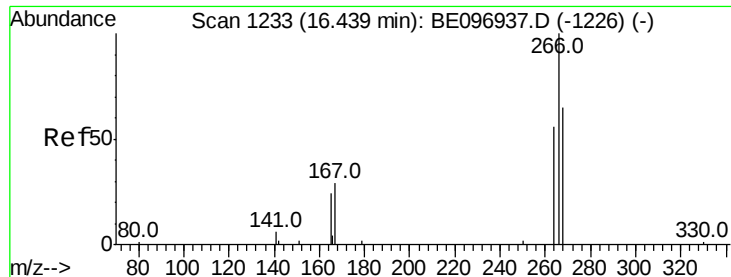
Tot Ion:172 Resp: 5584
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 26.4 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097021.D
Acq: 20 Jul 2018 9:05

Tgt Ion:188 Resp: 11208
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 13.2 3.6 5.4#

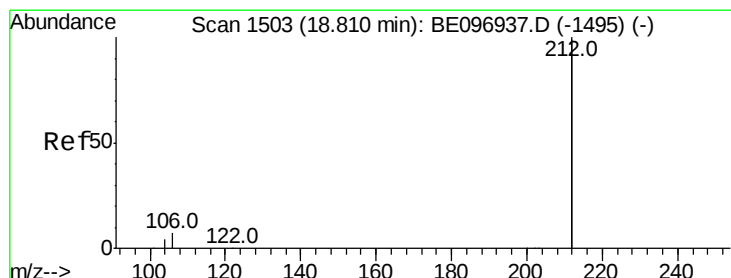
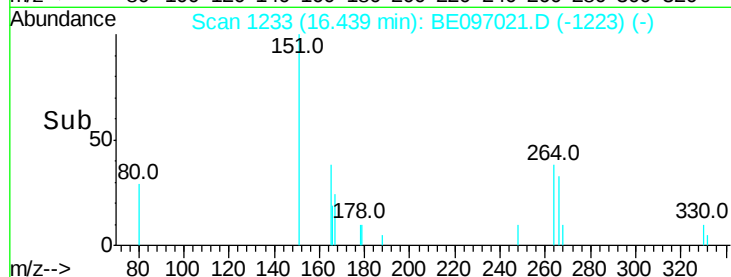
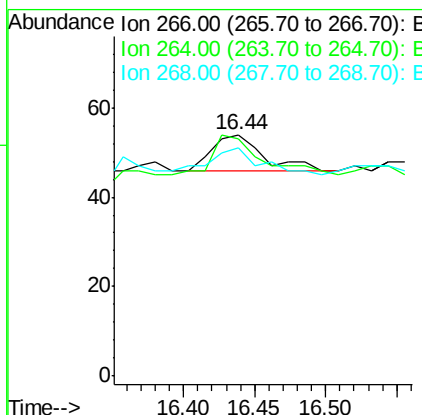
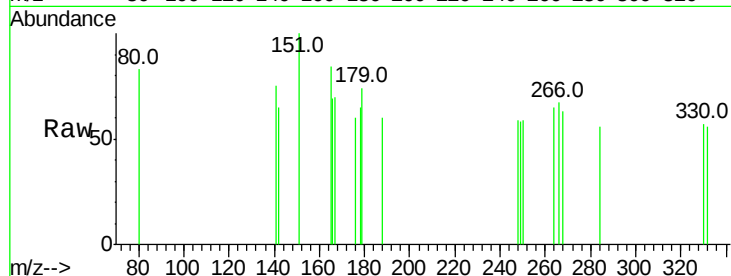




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

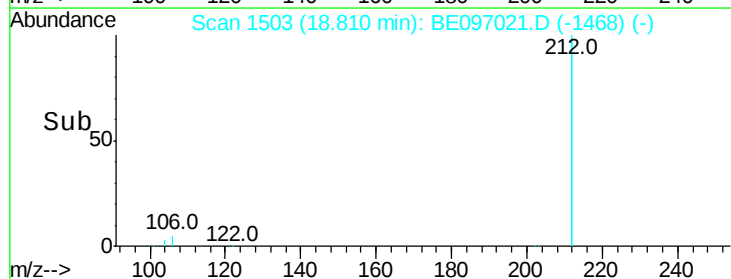
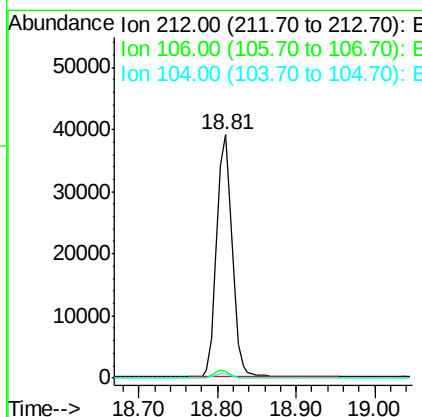
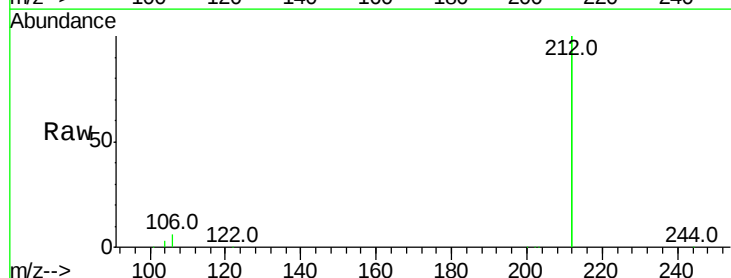
Instrument :
 BNA_E
 ClientSampleId :

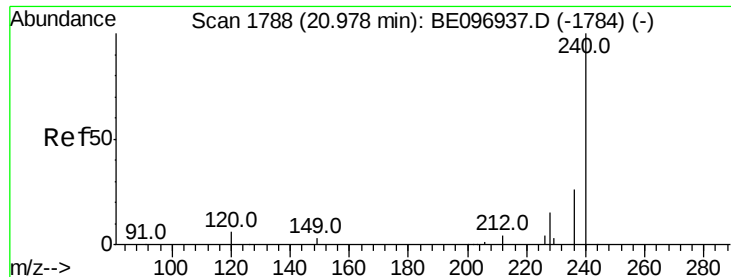
Tot Ion:266 Resp: 20
 Ion Ratio Lower Upper
 266 100
 264 98.1 72.5 108.7
 268 94.4 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.541 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

Tgt Ion:212 Resp: 52750
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.8 4.2
 104 1.7 1.6 2.4

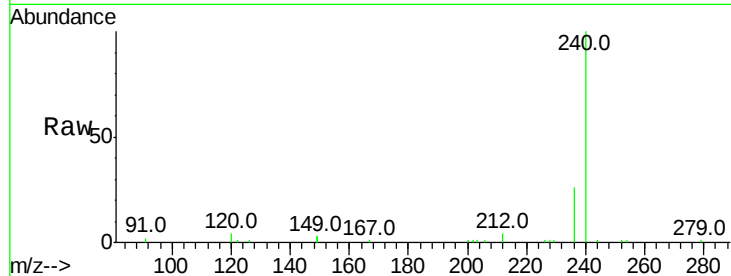




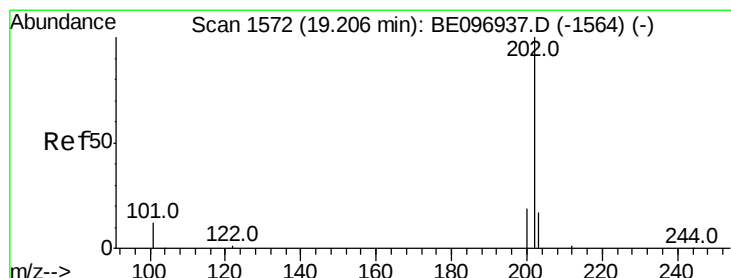
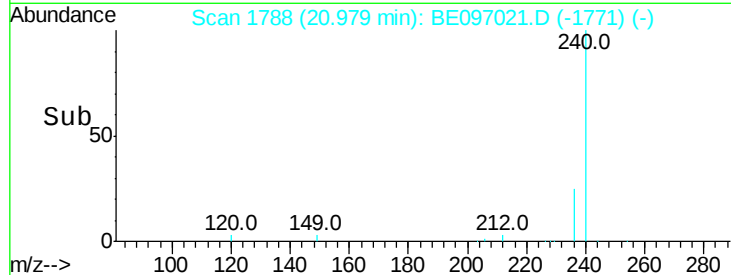
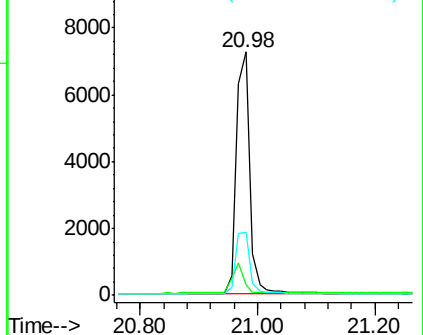
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 11656
 Ion Ratio Lower Upper
 240 100
 120 4.2 5.5 8.3#
 236 25.9 20.7 31.1

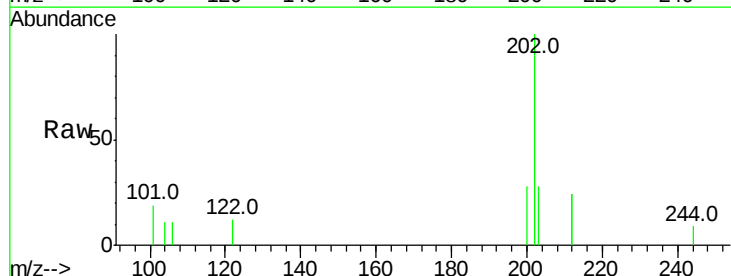


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

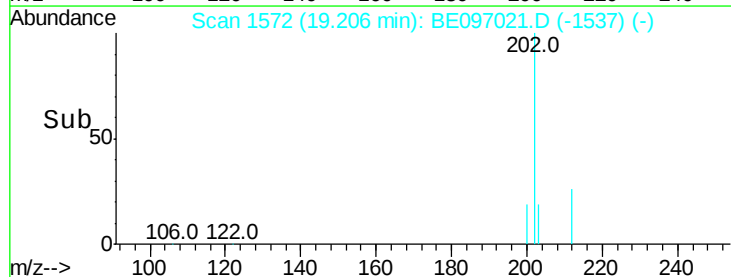
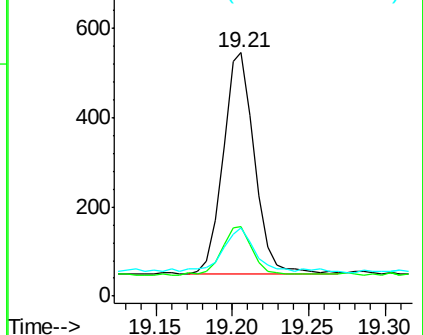


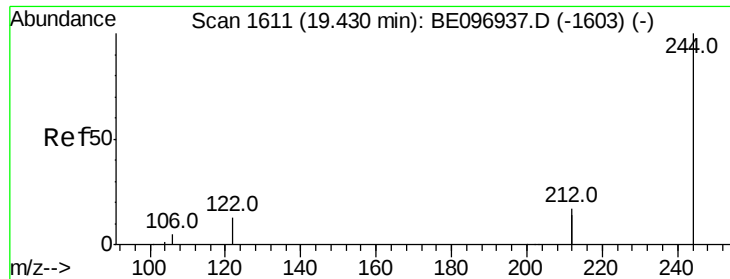
#28
 Pyrene
 Concen: 0.021 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BE097021.D
 Acq: 20 Jul 2018 9:05

Tgt Ion:202 Resp: 708
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 19.8 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: 0.476 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Instrument :

BNA_E

ClientSampleId :

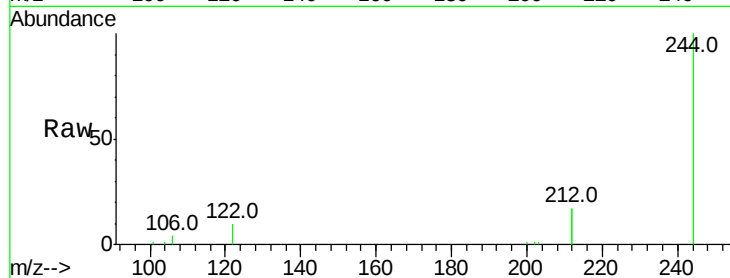
Tot Ion:244 Resp: 10710

Ion Ratio Lower Upper

244 100

212 33.0 25.4 38.0

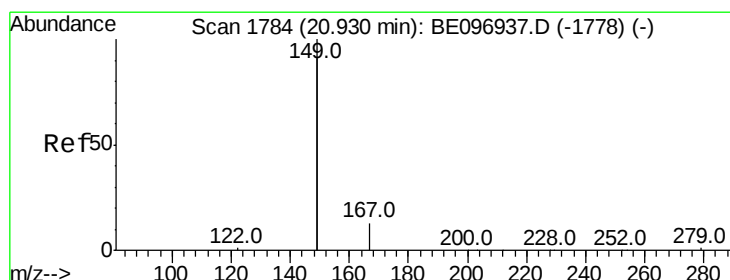
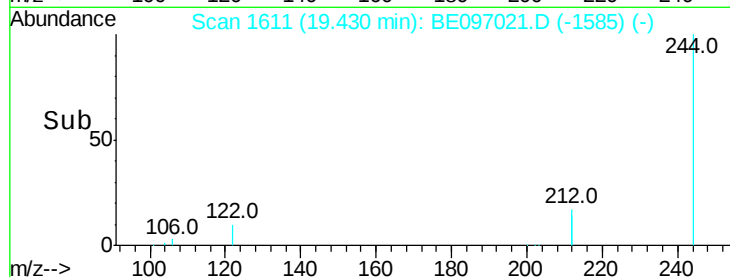
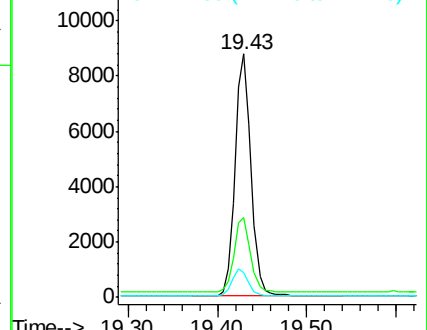
122 10.2 8.1 12.1



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: 0.098 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

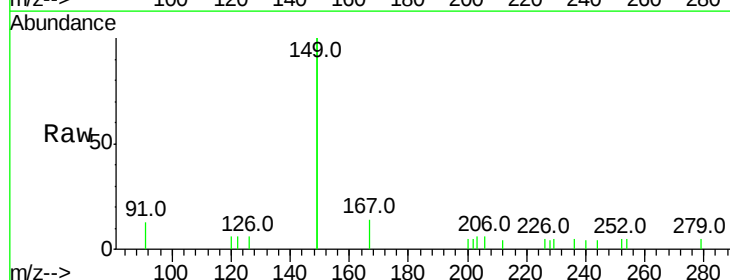
Tgt Ion:149 Resp: 2725

Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

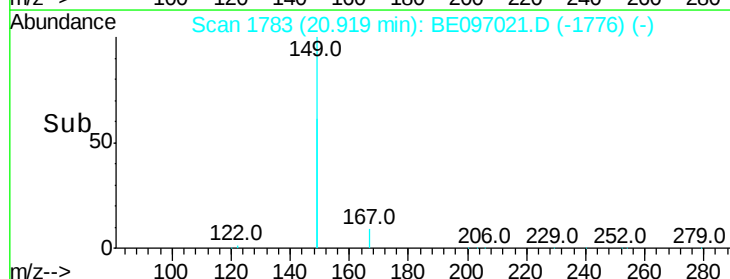
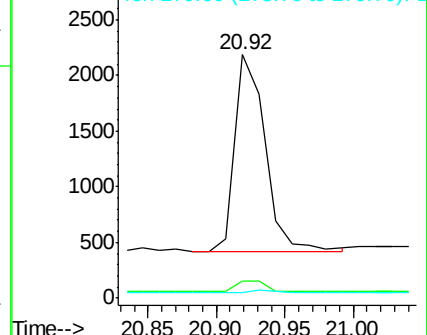
279 1.0 0.7 1.1

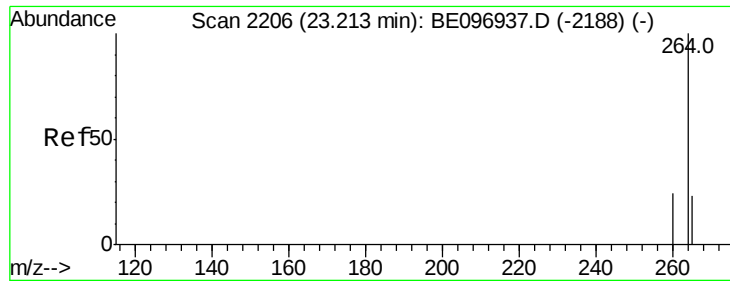


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

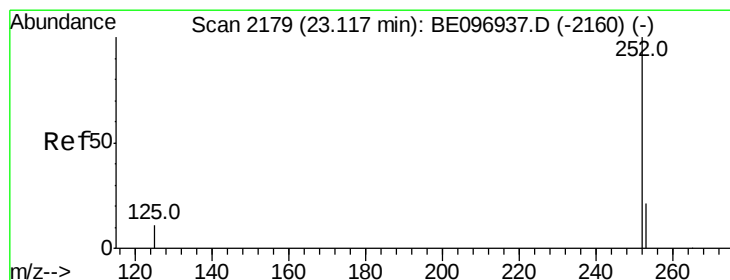
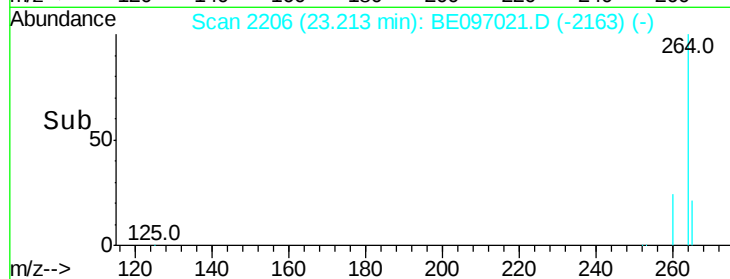
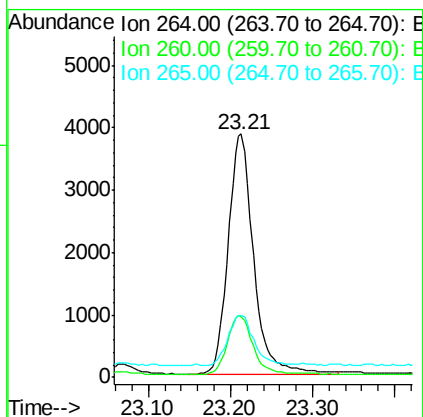
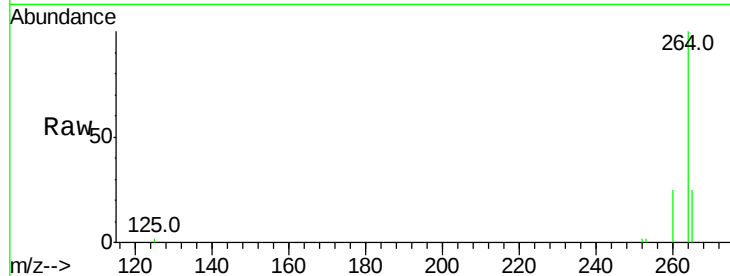




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE097021.D
Acq: 20 Jul 2018 9:05

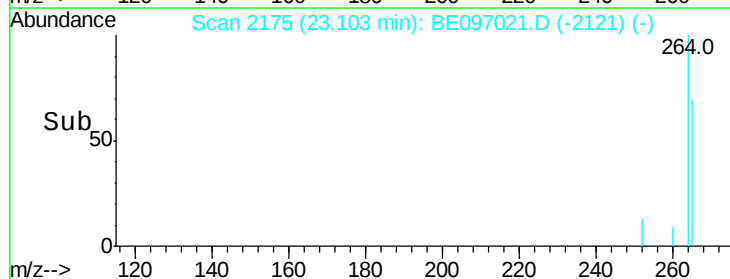
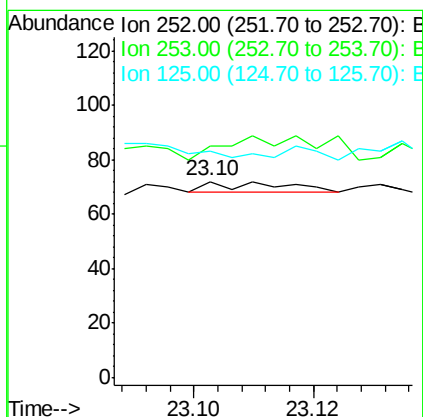
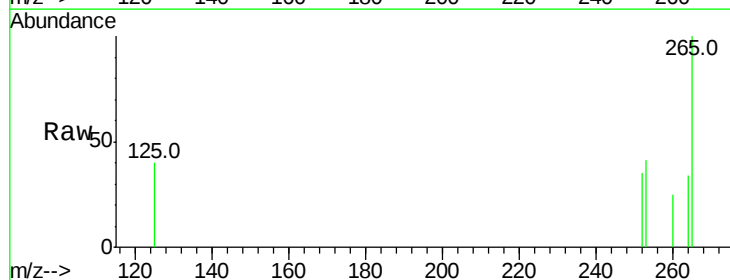
Instrument :
BNA_E
ClientSampleId :

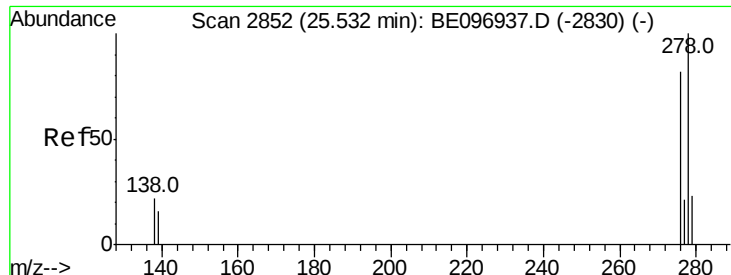
Tot Ion:264 Resp: 8273
Ion Ratio Lower Upper
264 100
260 25.0 20.5 30.7
265 25.5 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.101 ng
RT: 23.10 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE097021.D
Acq: 20 Jul 2018 9:05

Tgt Ion:252 Resp: 3
Ion Ratio Lower Upper
252 100
253 118.1 16.0 24.0#
125 115.3 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

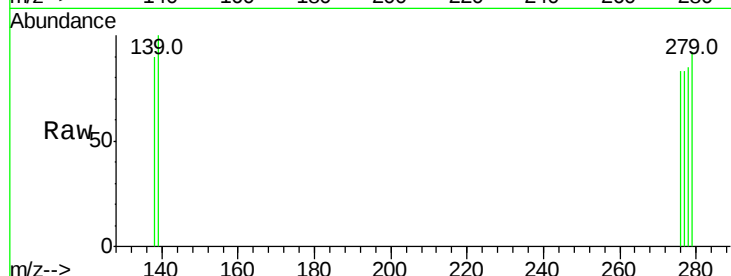
Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 278 Resp: 3

Ion Ratio Lower Upper

278 100

139 117.6 16.0 24.0#

279 107.8 20.0 30.0#

