

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097039.D
 Acq On : 23 Jul 2018 15:57
 Operator : SJ/JU
 Sample : J4048-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB-2018.07.17

Quant Time: Jul 23 16:55:00 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	7.40	152	1635	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	8569	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	5447	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14558	0.40	ng	0.00
27) Chrysene-d12	20.98	240	16409	0.40	ng	0.00
34) Perylene-d12	23.21	264	15209	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	864	0.22	ng	0.00
5) Phenol-d6	6.59	99	770	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	3019	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4970	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	1073	0.79	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8942	0.44	ng	0.00
25) Fluoranthene-d10	18.81	212	72692	0.57	ng	0.00
29) Terphenyl-d14	19.43	244	17979	0.57	ng	0.00

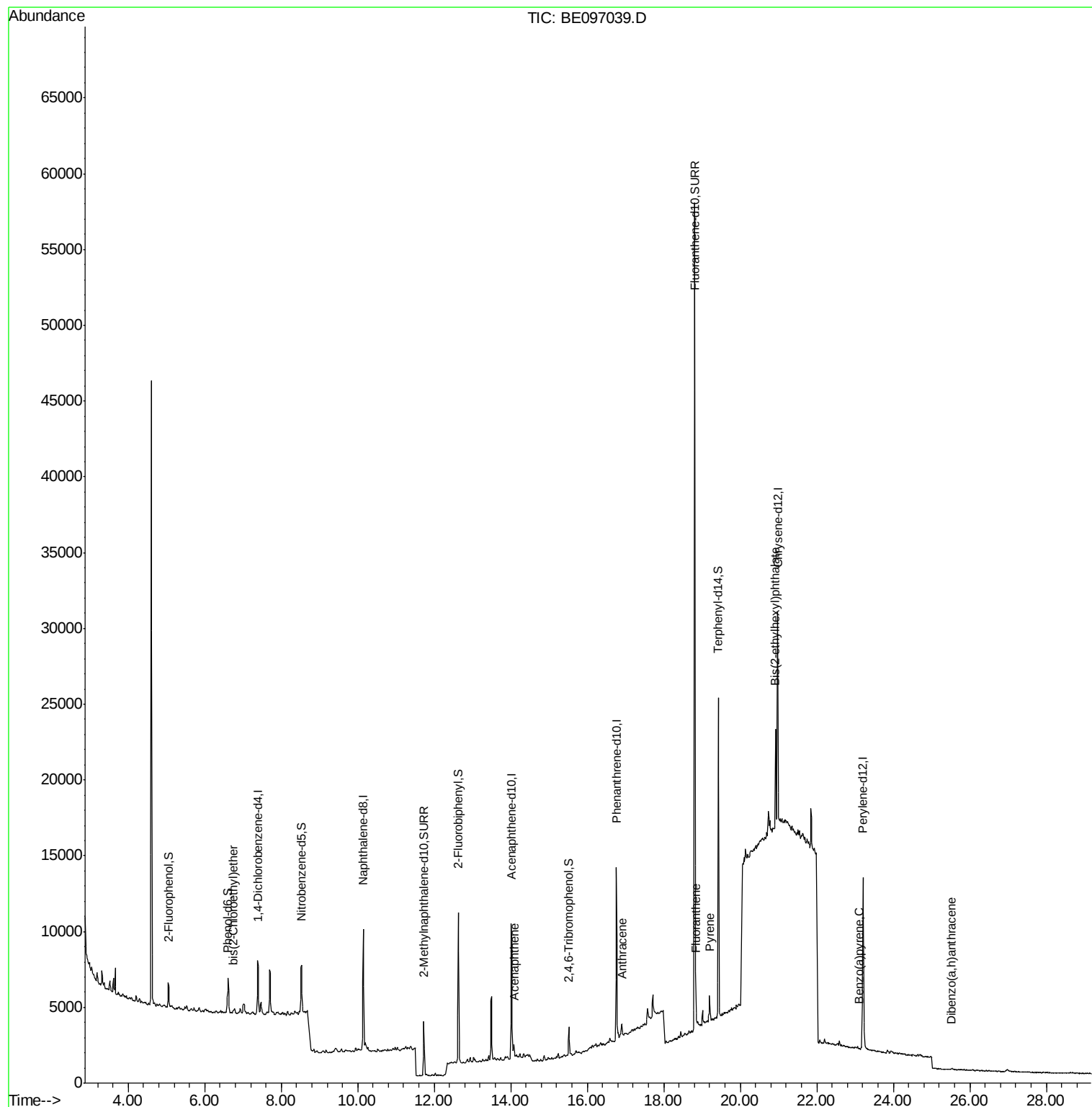
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	6.74	93	400	0.068	ng	# 1
17) Acenaphthene	14.08	154	442	0.029	ng	97
24) Anthracene	16.91	178	1048	0.035	ng	# 87
26) Fluoranthene	18.84	202	1119	0.030	ng	# 88
28) Pyrene	19.20	202	1633	0.034	ng	94
32) Bis(2-ethylhexyl)phthalate	20.92	149	9918	0.254	ng	# 100
37) Benzo(a)pyrene	23.11	252	57	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.51	278	8	0.118	ng	# 1

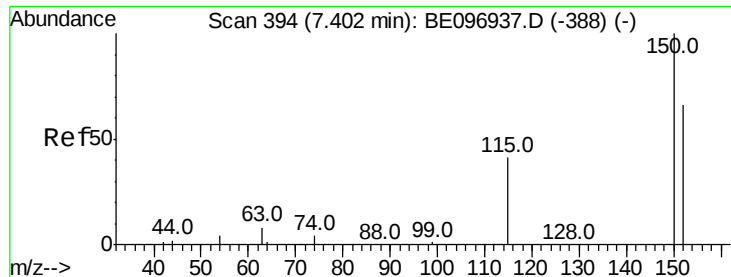
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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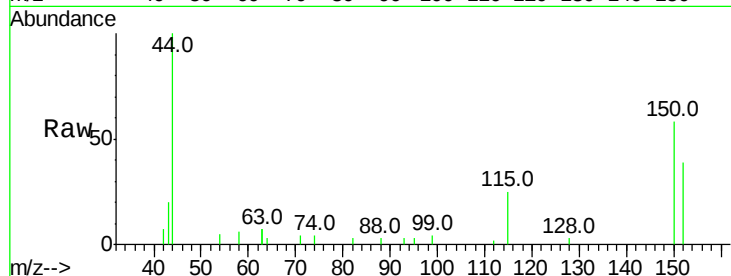


#1

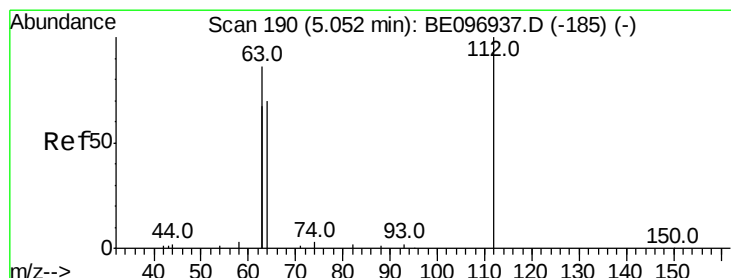
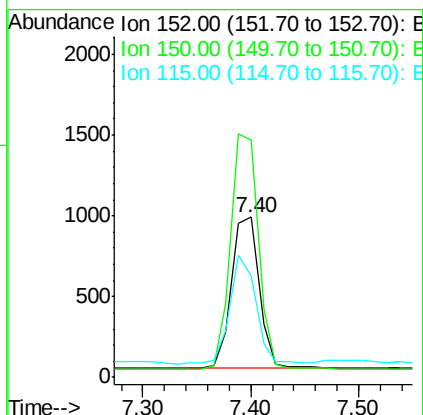
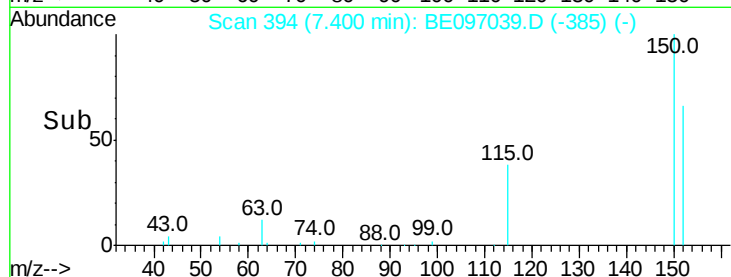
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE097039.D
Acq: 23 Jul 2018 15:57

Instrument :
BNA_E
ClientSampleId :
EB-2018.07.17

Tot Ion:152 Resp: 1635
Ion Ratio Lower Upper
152 100
150 148.5 117.2 175.8
115 63.7 57.0 85.6



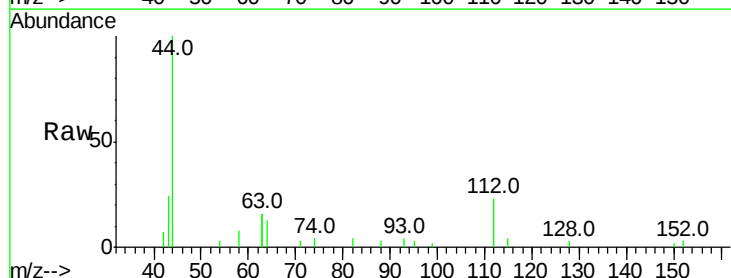
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



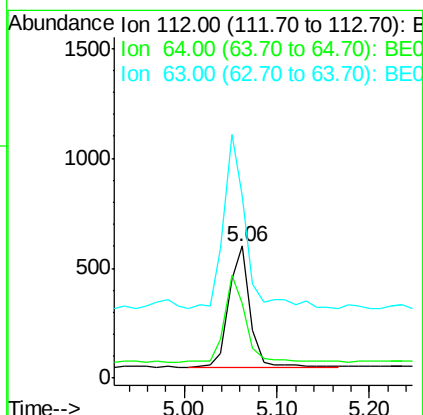
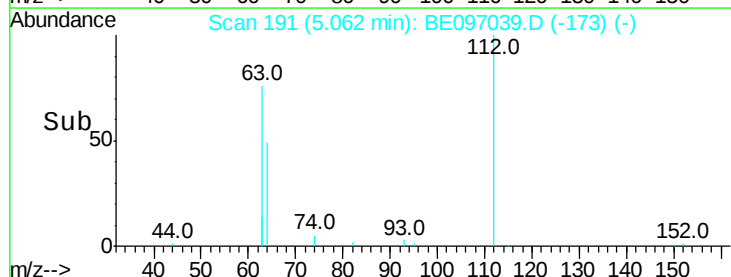
#4

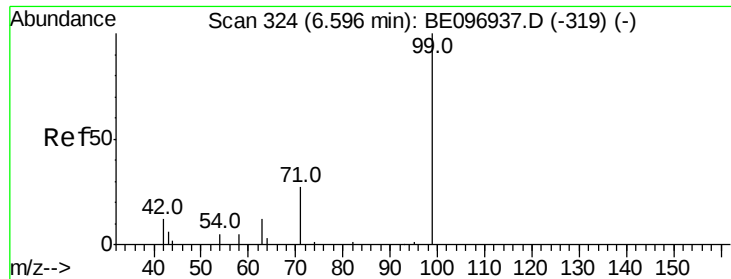
2-Fluorophenol
Concen: 0.221 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097039.D
Acq: 23 Jul 2018 15:57

Tgt Ion:112 Resp: 864
Ion Ratio Lower Upper
112 100
64 71.9 60.1 90.1
63 153.1 116.8 175.2



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: 0.129 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

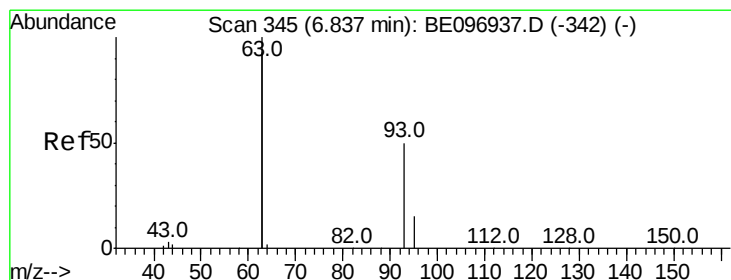
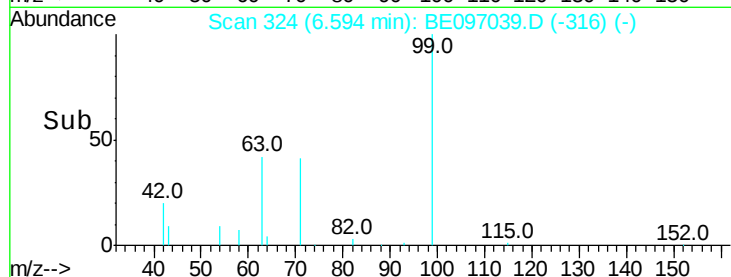
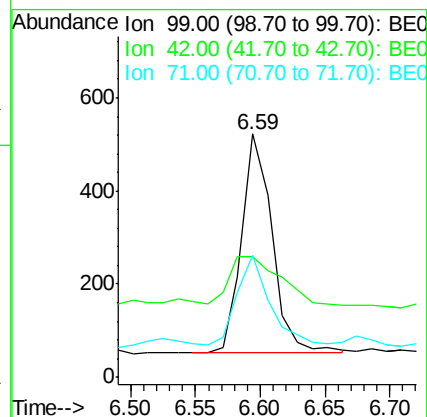
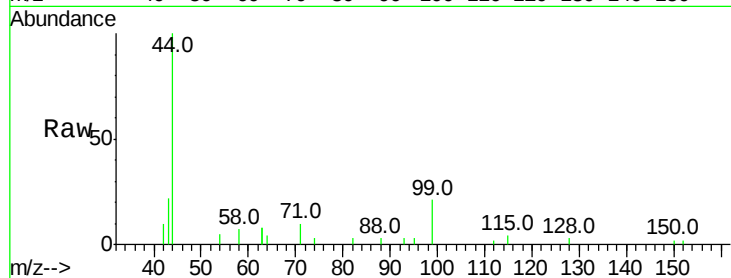
Tot Ion: 99 Resp: 770

Ion Ratio Lower Upper

99 100

42 36.9 20.2 30.2#

71 44.7 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.068 ng

RT: 6.74 min Scan# 337

Delta R.T. -0.10 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

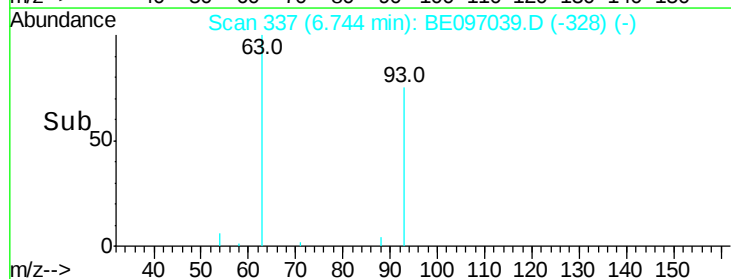
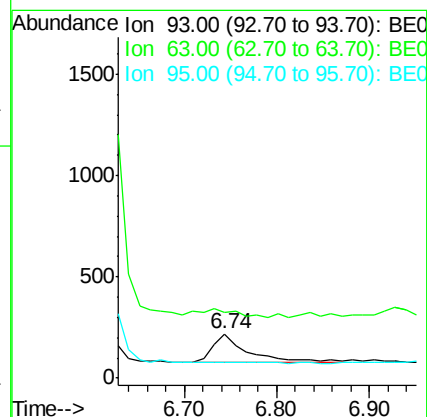
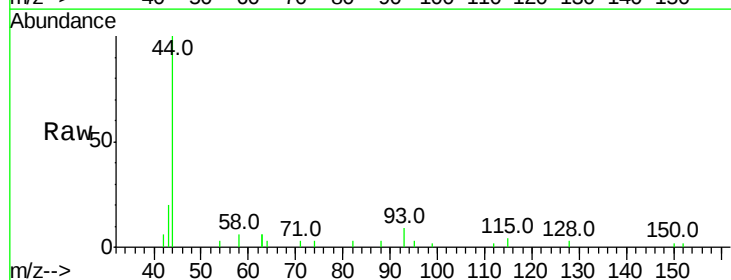
Tgt Ion: 93 Resp: 400

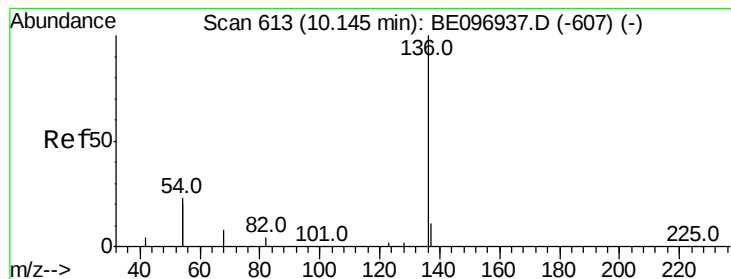
Ion Ratio Lower Upper

93 100

63 29.0 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

Tot Ion:136 Resp: 8569

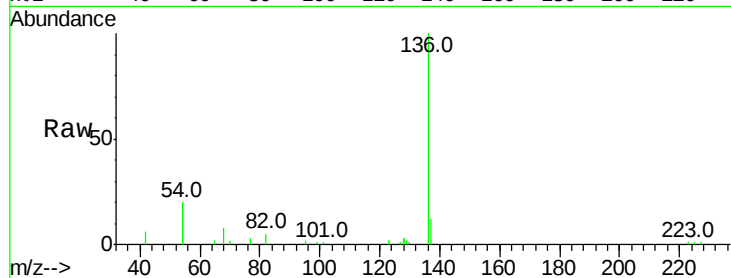
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 40.0 29.1 43.7

68 8.1 6.2 9.2

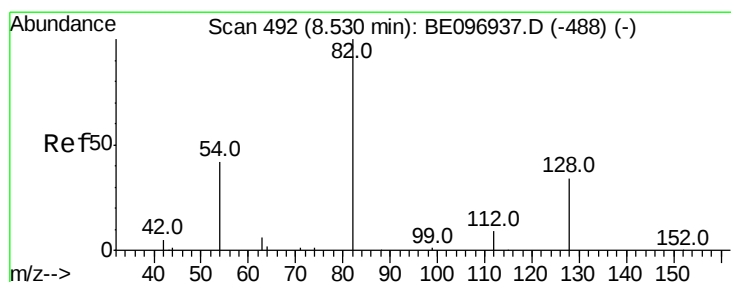
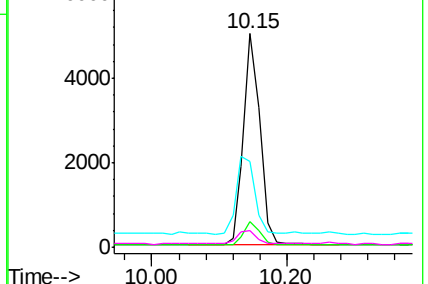
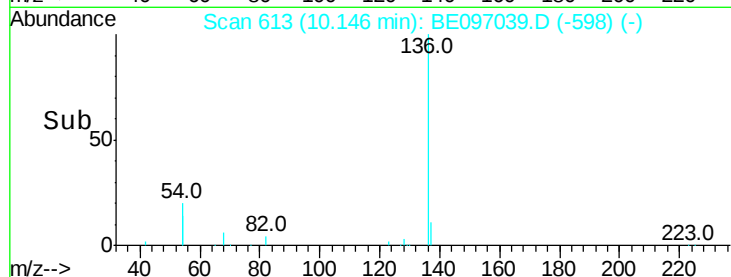


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.483 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

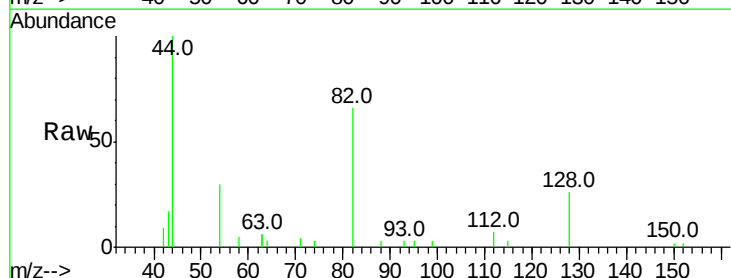
Tgt Ion: 82 Resp: 3019

Ion Ratio Lower Upper

82 100

128 38.7 24.0 36.0#

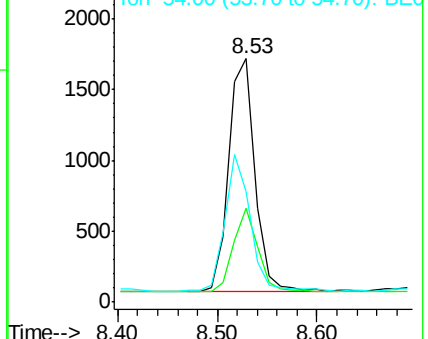
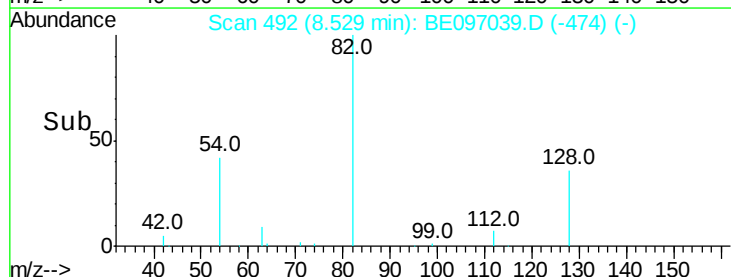
54 45.3 40.0 60.0

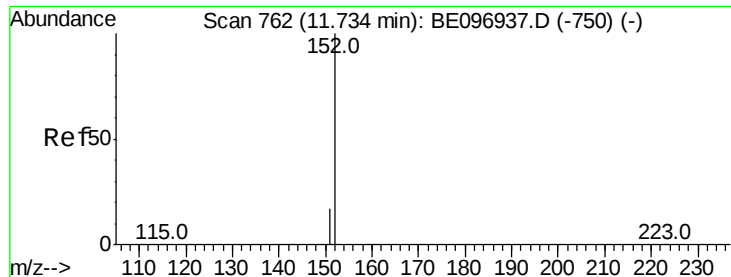


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

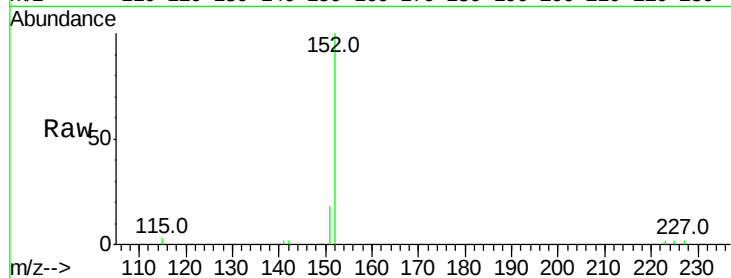
EB-2018.07.17

Tot Ion:152 Resp: 4970

Ion Ratio Lower Upper

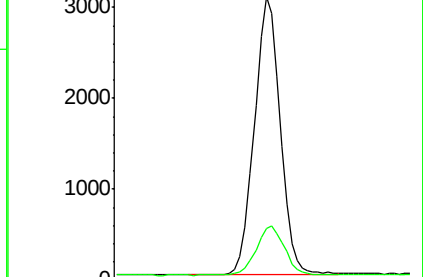
152 100

151 19.1 15.4 23.0

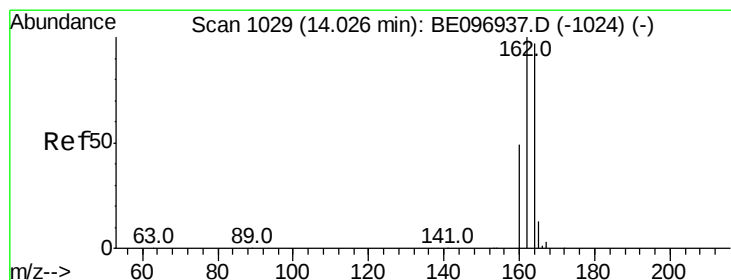
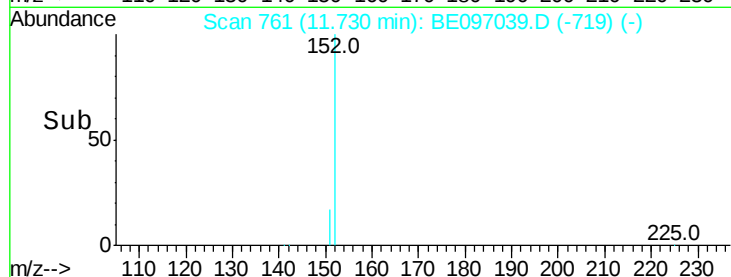


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time--> 11.60 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

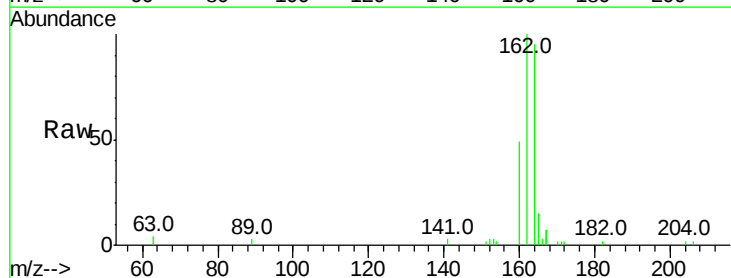
Tgt Ion:164 Resp: 5447

Ion Ratio Lower Upper

164 100

162 105.4 83.1 124.7

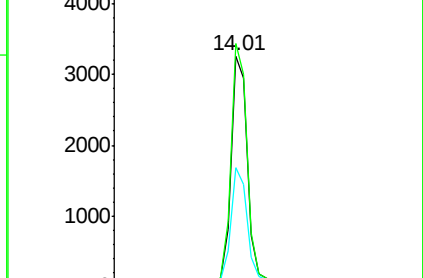
160 51.9 37.1 55.7



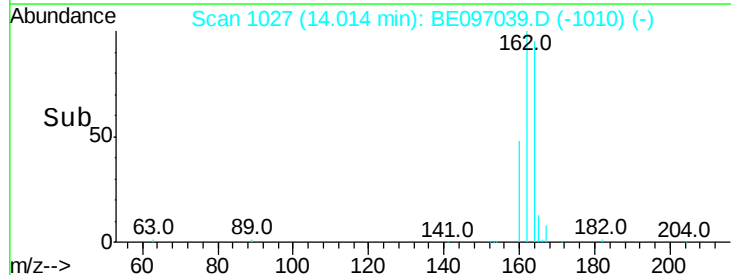
Abundance Ion 164.00 (163.70 to 164.70): E

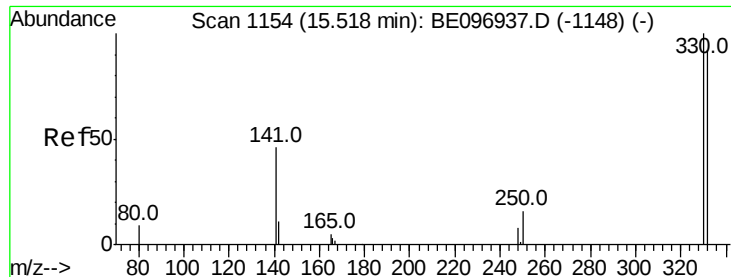
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.00 14.20

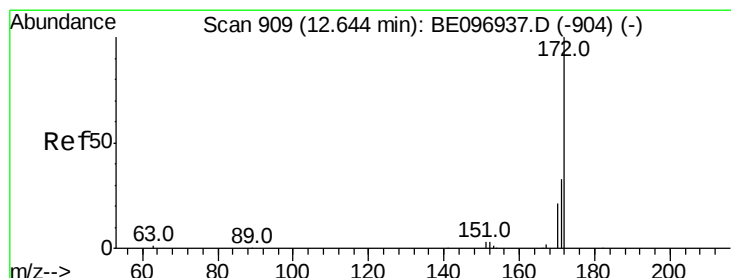
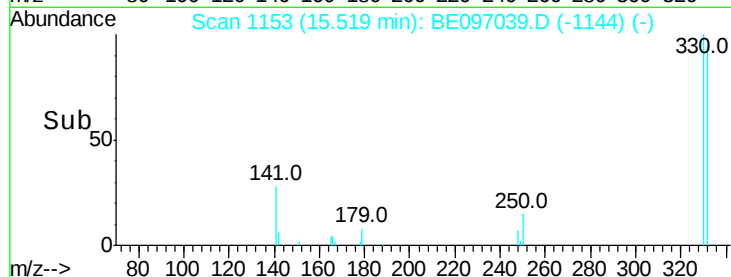
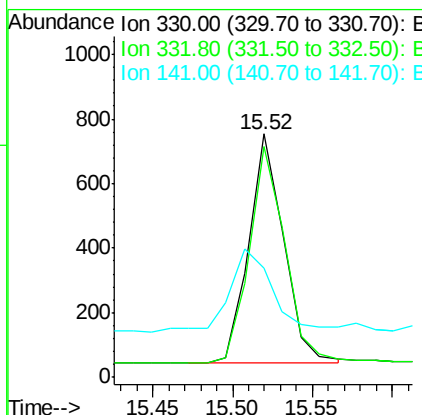
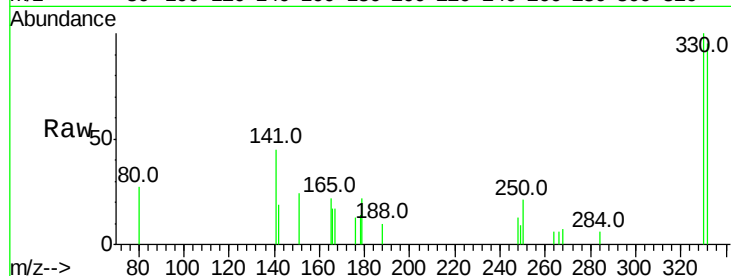




#14
 2,4,6-Tribromophenol
 Concen: 0.788 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE097039.D
 Acq: 23 Jul 2018 15:57

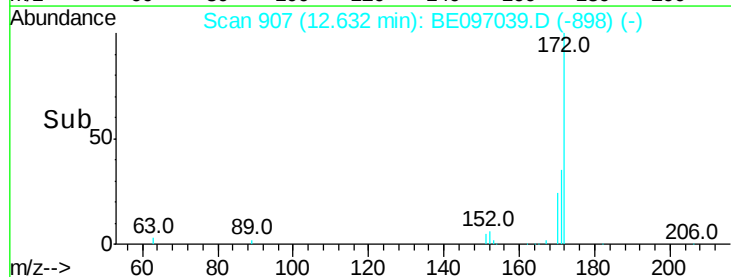
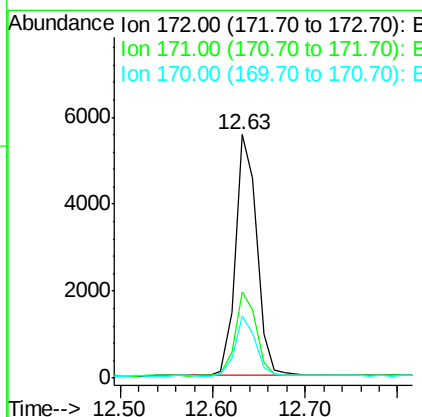
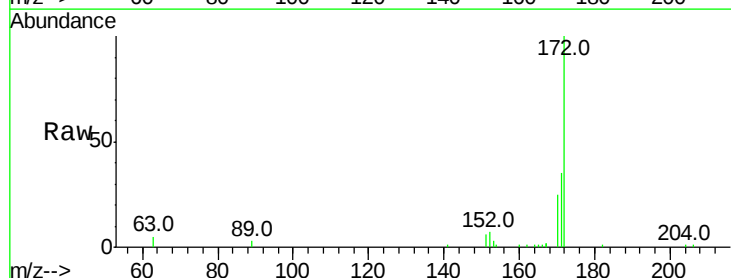
Instrument :
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 EB-2018.07.17

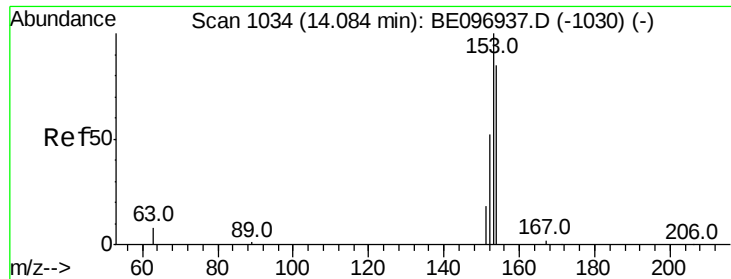
Tot Ion:330 Resp: 1073
 Ion Ratio Lower Upper
 330 100
 332 96.7 152.7 229.1#
 141 45.4 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.441 ng
 RT: 12.63 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BE097039.D
 Acq: 23 Jul 2018 15:57

Tgt Ion:172 Resp: 8942
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.9 44.9
 170 25.2 21.8 32.8





#17

Acenaphthene

Concen: 0.029 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

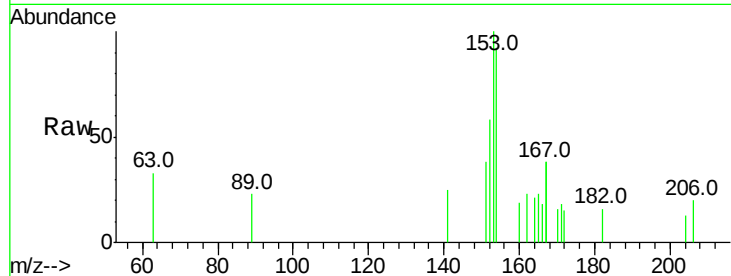
Tot Ion:154 Resp: 442

Ion Ratio Lower Upper

154 100

153 115.2 89.2 133.8

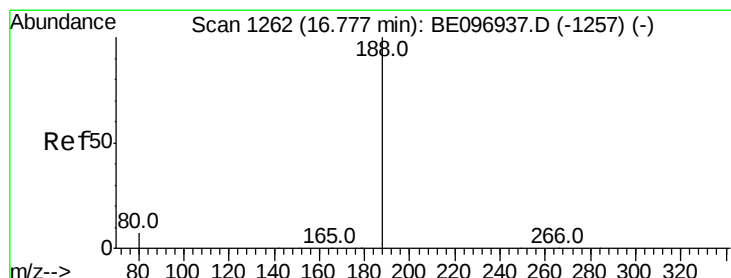
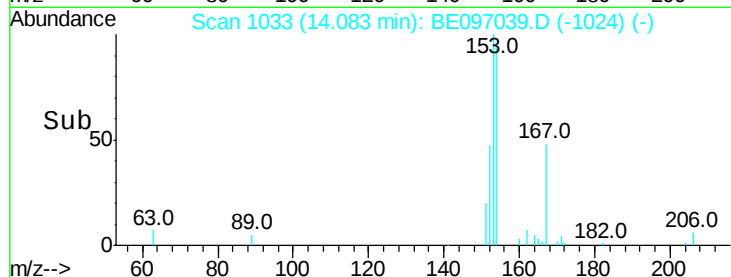
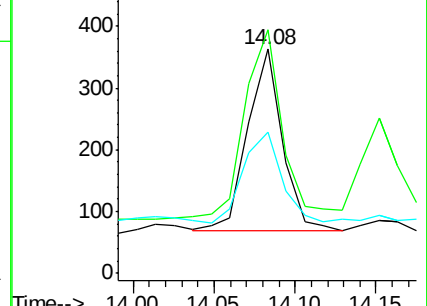
152 54.3 42.0 63.0



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# 1260

Delta R.T. 0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

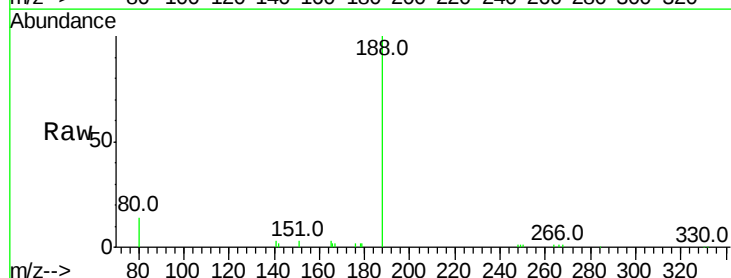
Tgt Ion:188 Resp: 14558

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

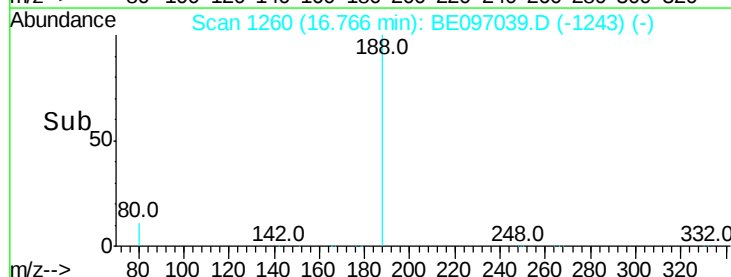
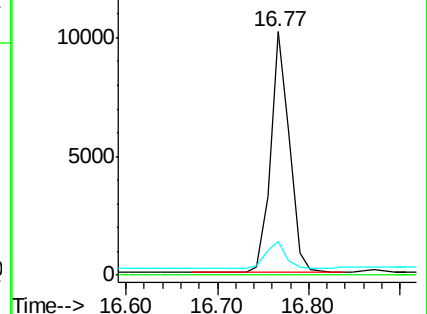
80 14.0 3.6 5.4#

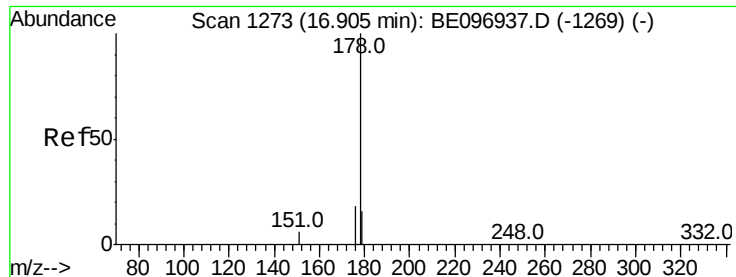


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#24

Anthracene

Concen: 0.035 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

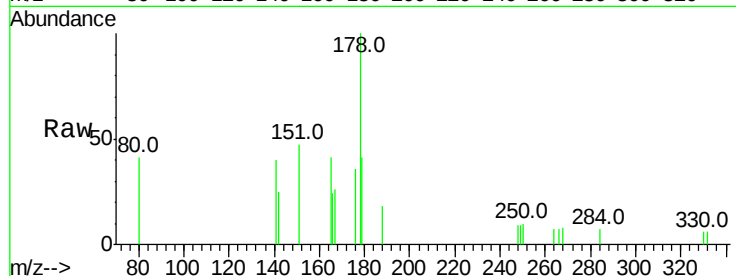
Tot Ion:178 Resp: 1048

Ion Ratio Lower Upper

178 100

176 23.0 12.8 19.2#

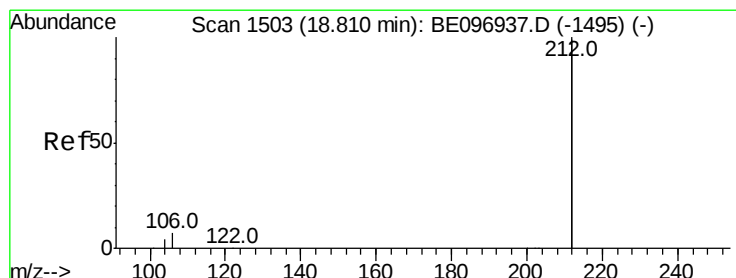
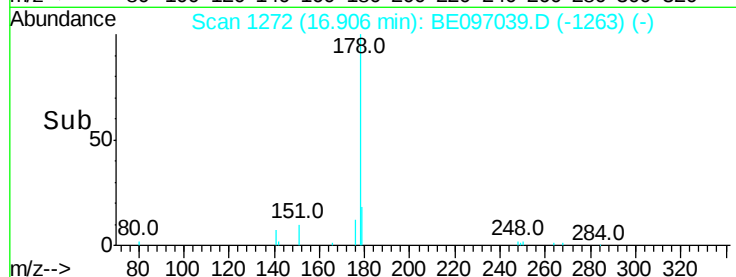
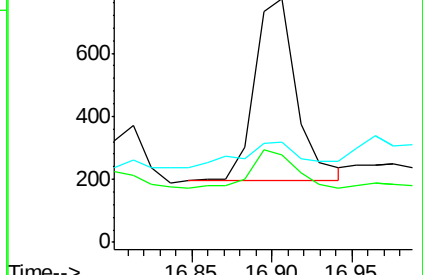
179 20.1 13.0 19.6#



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: 0.574 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

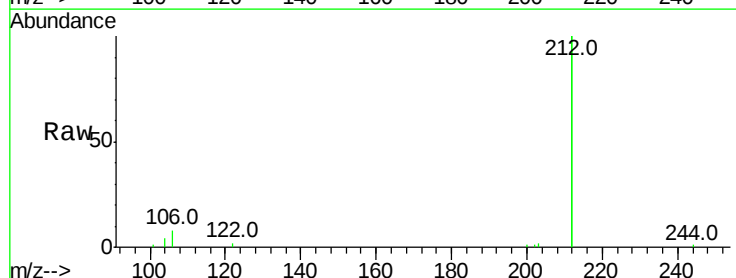
Tgt Ion:212 Resp: 72692

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

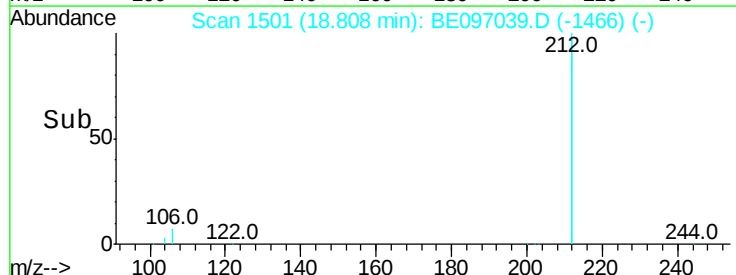
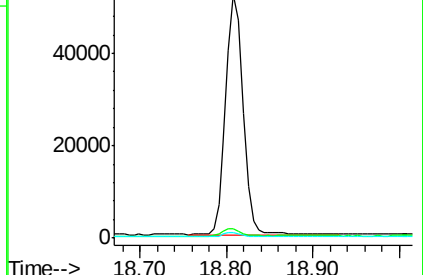
104 1.7 1.6 2.4

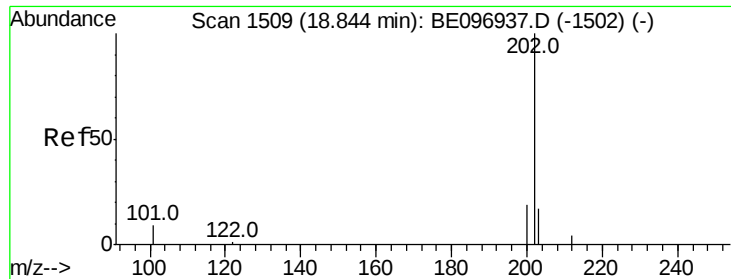


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.030 ng

RT: 18.84 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

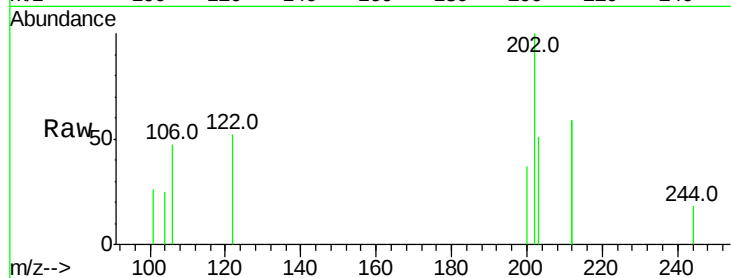
Tot Ion:202 Resp: 1119

Ion Ratio Lower Upper

202 100

101 8.4 9.8 14.8#

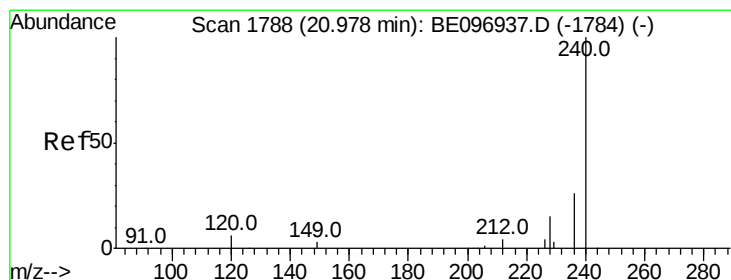
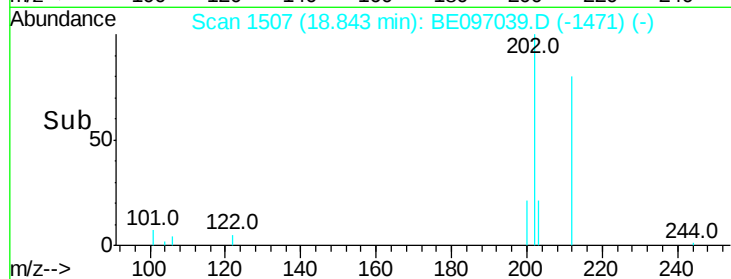
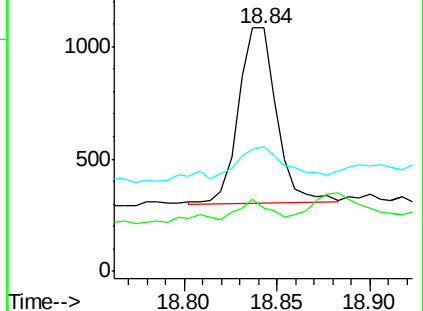
203 22.9 13.7 20.5#



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: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

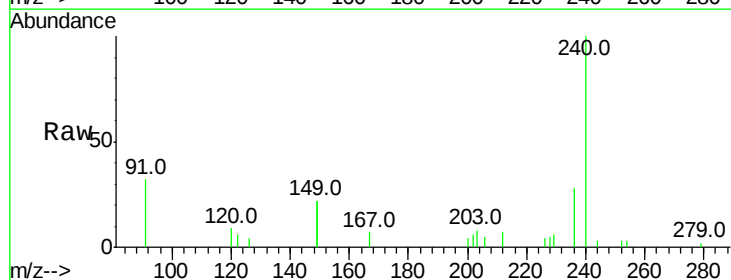
Tgt Ion:240 Resp: 16409

Ion Ratio Lower Upper

240 100

120 9.0 5.5 8.3#

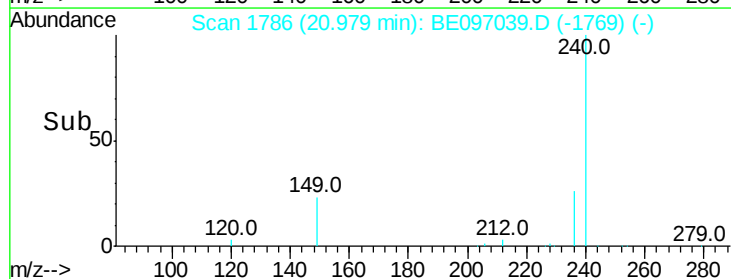
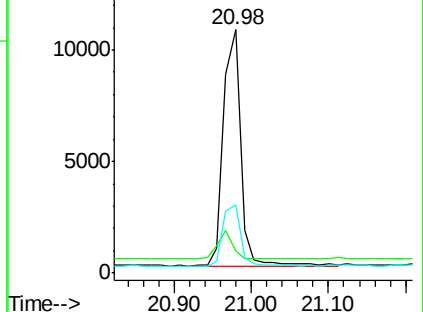
236 27.8 20.7 31.1

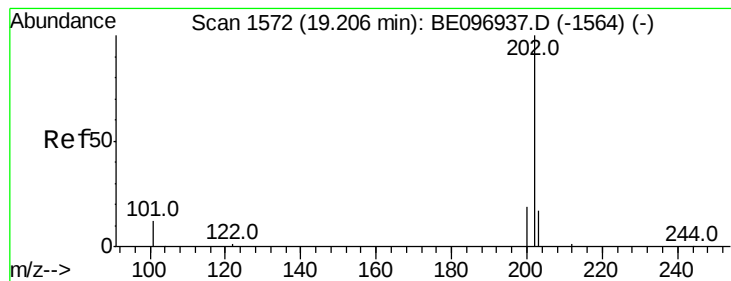


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.034 ng

RT: 19.20 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

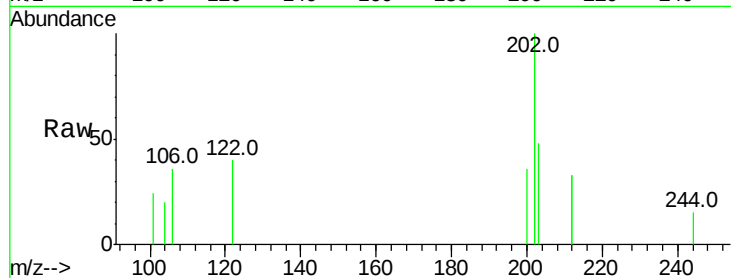
Tot Ion:202 Resp: 1633

Ion Ratio Lower Upper

202 100

200 23.5 16.6 25.0

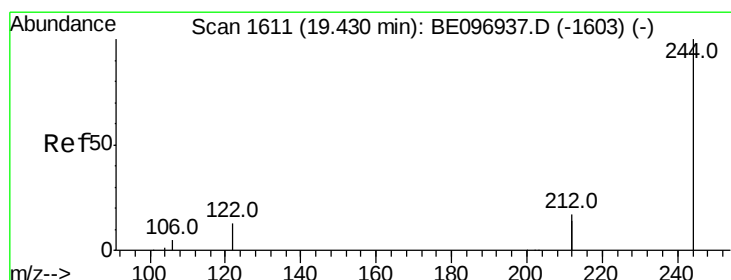
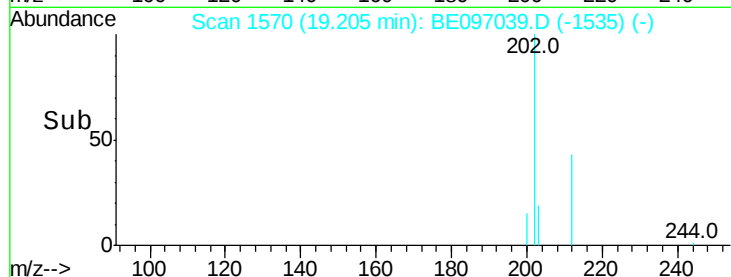
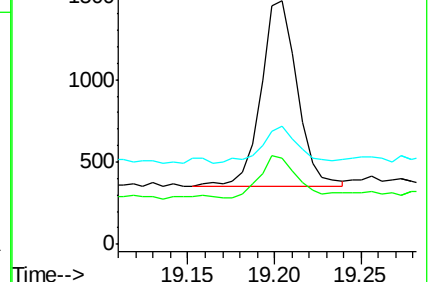
203 19.8 13.8 20.8



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: 0.568 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

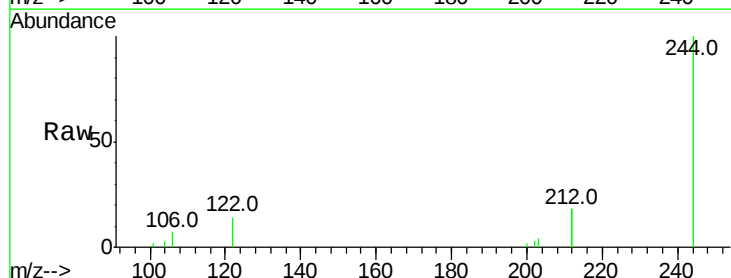
Tgt Ion:244 Resp: 17979

Ion Ratio Lower Upper

244 100

212 36.8 25.4 38.0

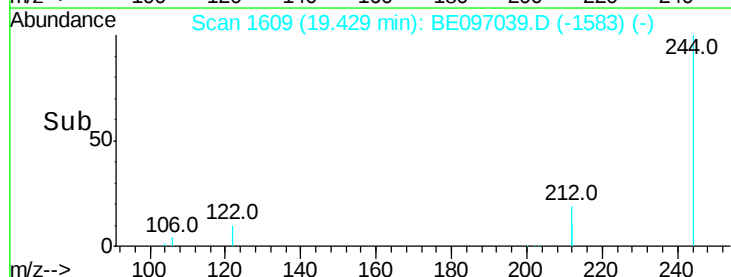
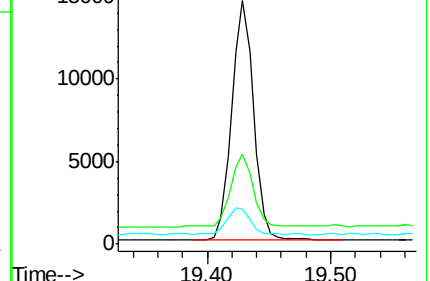
122 14.2 8.1 12.1#

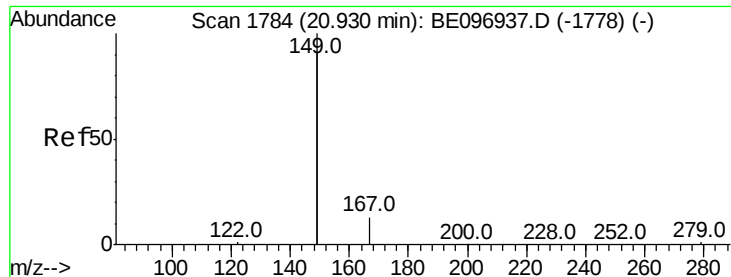


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.254 ng

RT: 20.92 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

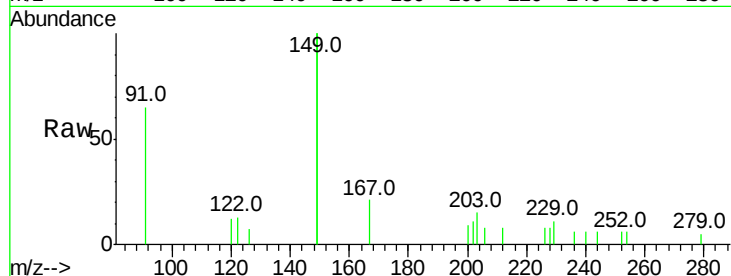
Tot Ion:149 Resp: 9918

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

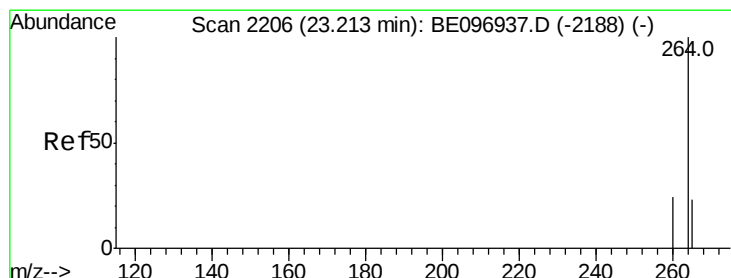
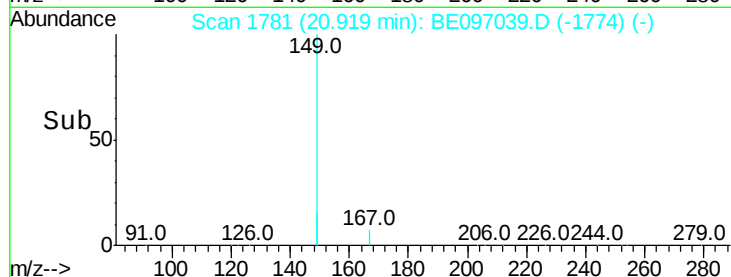
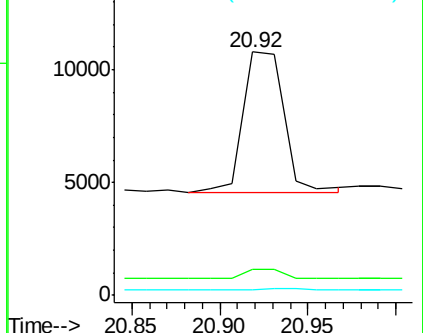
279 1.3 0.7 1.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

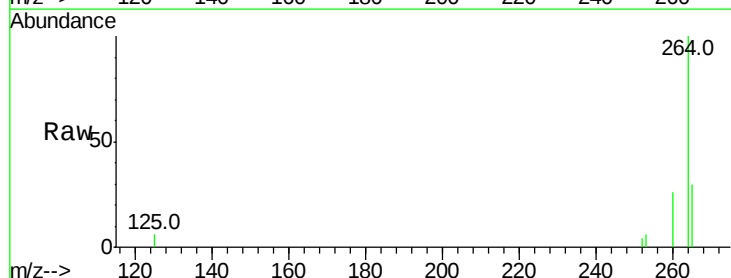
Tgt Ion:264 Resp: 15209

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

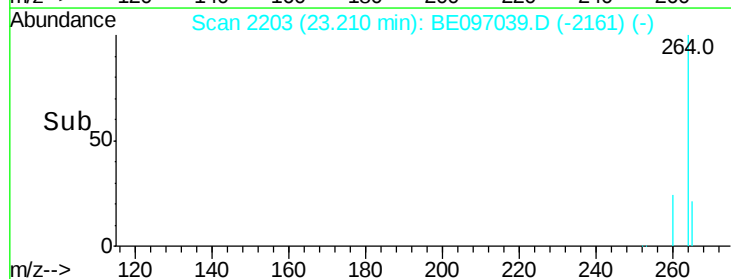
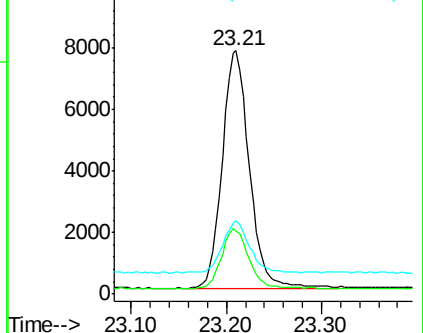
265 29.9 22.8 34.2

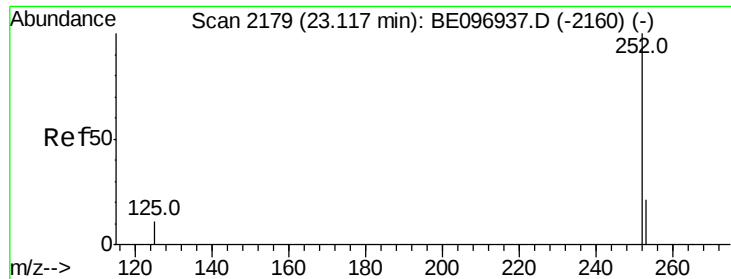


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

Instrument :

BNA_E

ClientSampleId :

EB-2018.07.17

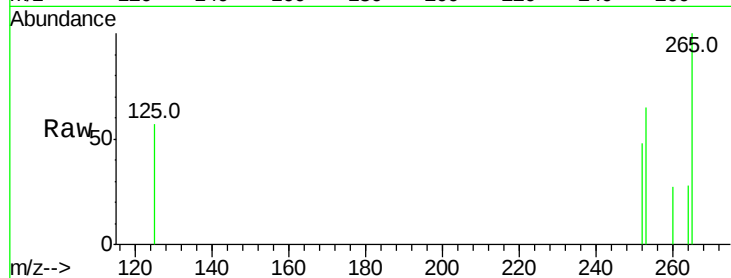
Tot Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 135.7 16.0 24.0#

125 119.0 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

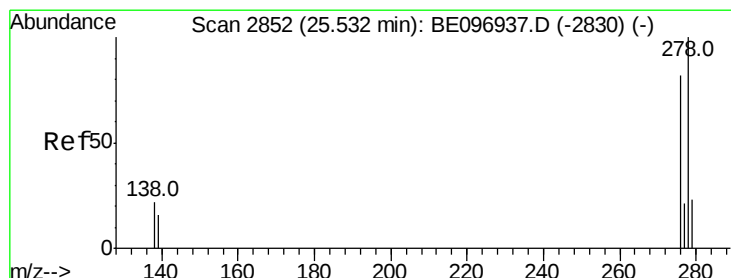
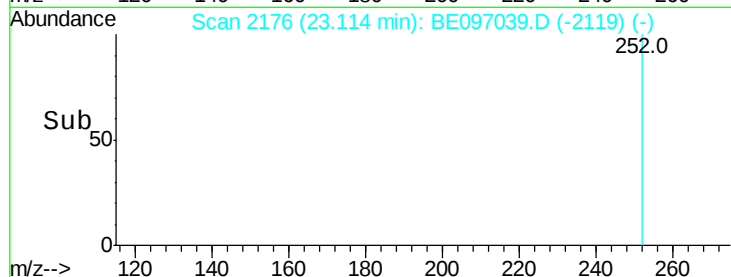
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.11

23.10

Time-->



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BE097039.D

Acq: 23 Jul 2018 15:57

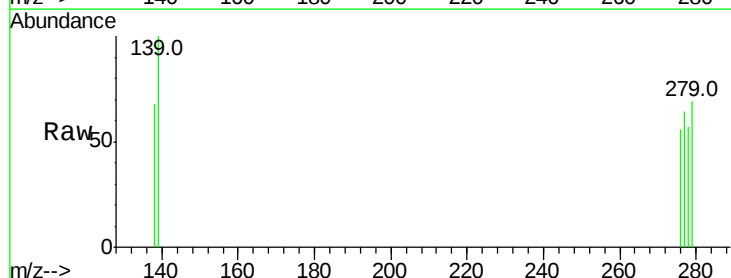
Tgt Ion:278 Resp: 8

Ion Ratio Lower Upper

278 100

139 174.0 16.0 24.0#

279 120.6 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.51

25.52

Time-->

