

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 :
 RE105D1-071318

Quant Time: Jul 20 11:39:24 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

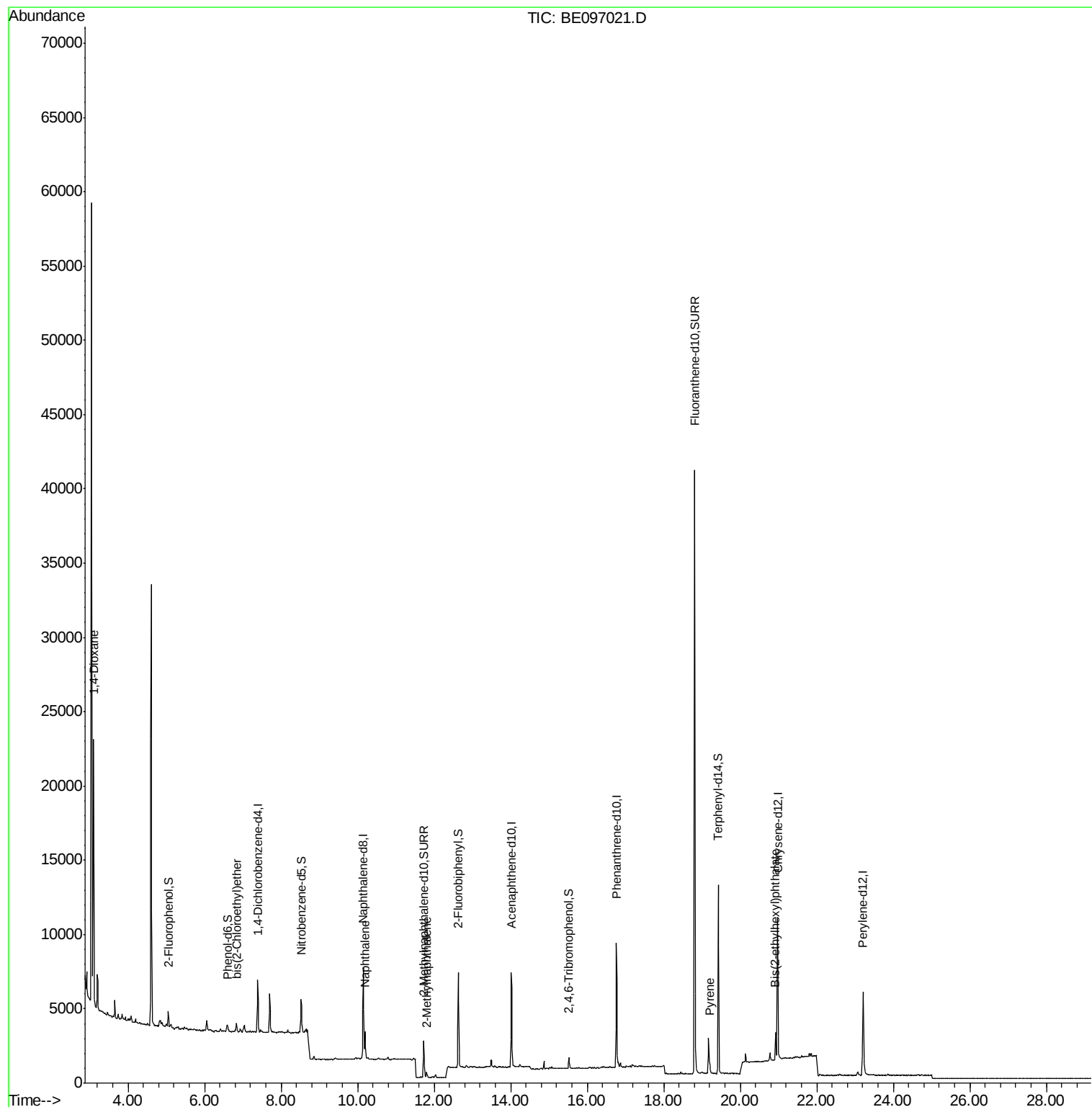
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	10267	4.946	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	182	0.035	ng	# 84
9) Naphthalene	10.20	128	2839	0.049	ng	# 95
12) 2-Methylnaphthalene	11.80	142	240	0.024	ng	# 90
28) Pyrene	19.21	202	708	0.021	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	2725	0.098	ng	98

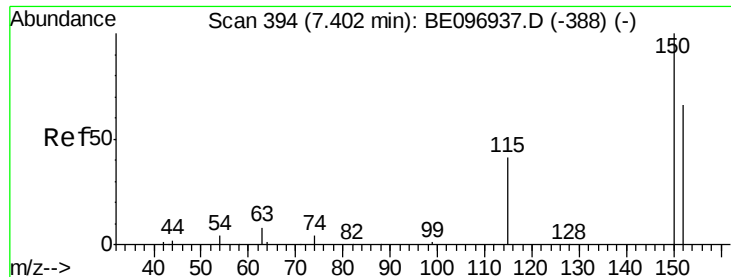
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

RE105D1-071318

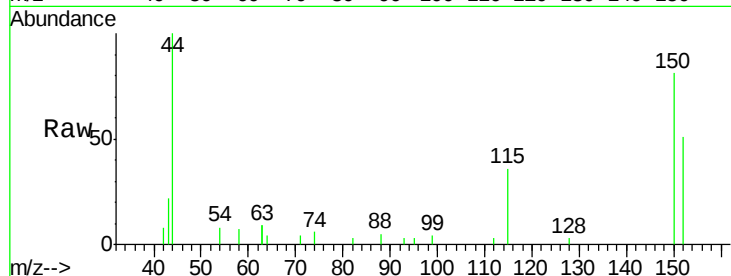
Tgt Ion:152 Resp: 1450

Ion Ratio Lower Upper

152 100

150 158.4 117.2 175.8

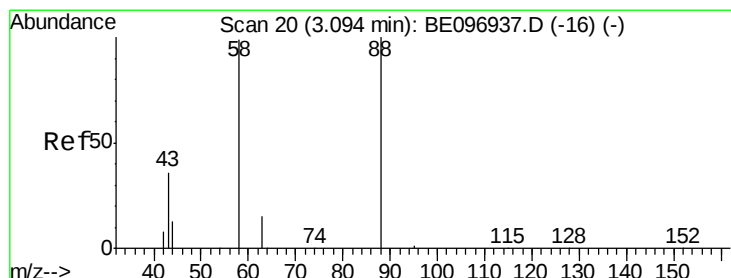
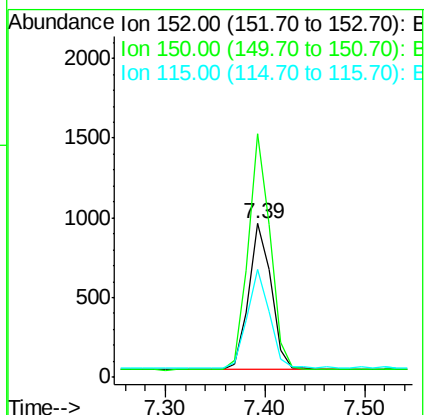
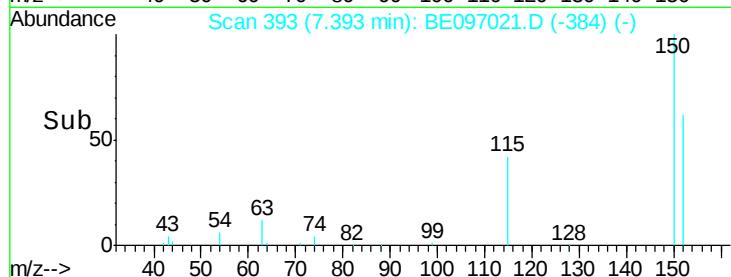
115 70.2 57.0 85.6



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

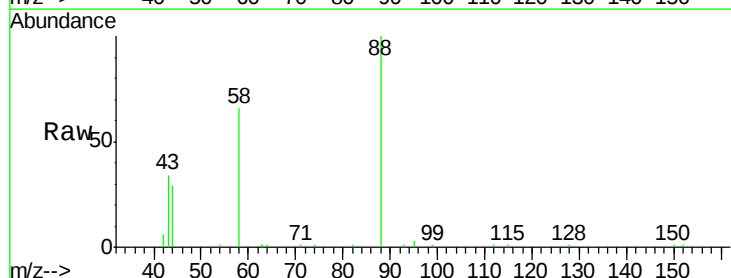
Tgt Ion: 88 Resp: 10267

Ion Ratio Lower Upper

88 100

58 83.0 63.2 94.8

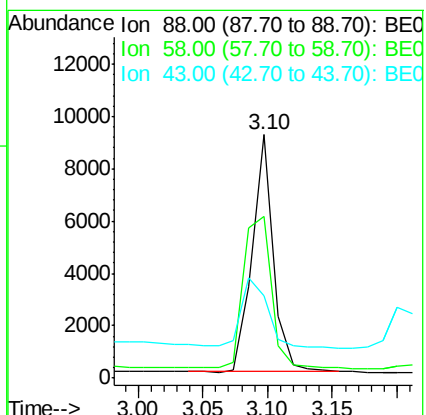
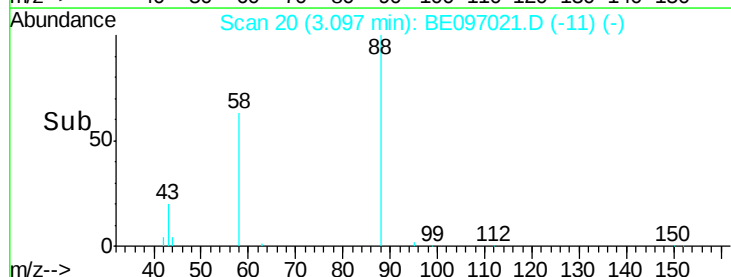
43 36.9 41.2 61.8#

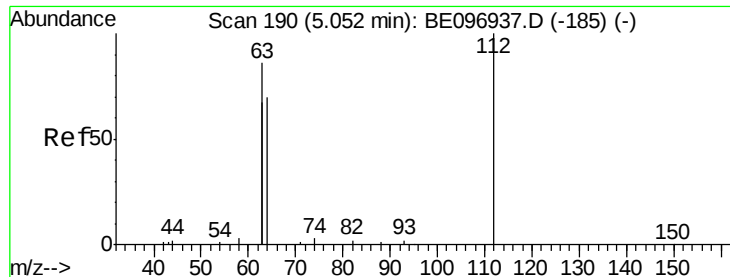


Abundance Ion 88.00 (87.70 to 88.70): BE0

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

ClientSampleId :

RE105D1-071318

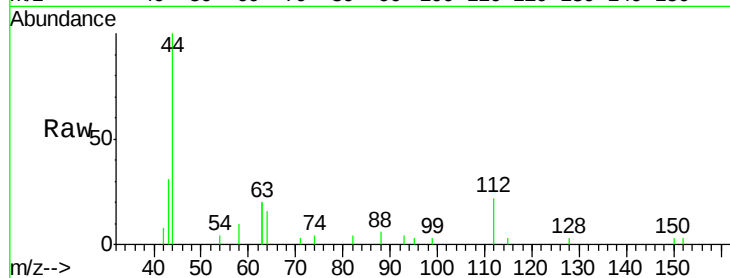
Tgt Ion: 112 Resp: 532

Ion Ratio Lower Upper

112 100

64 76.3 60.1 90.1

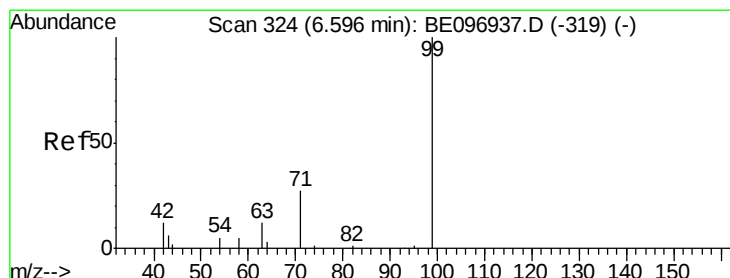
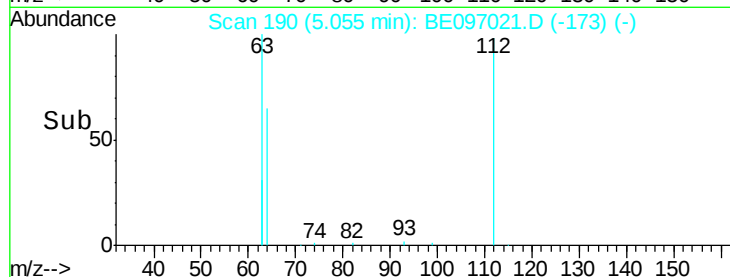
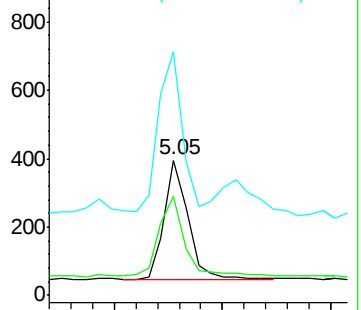
63 142.7 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

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

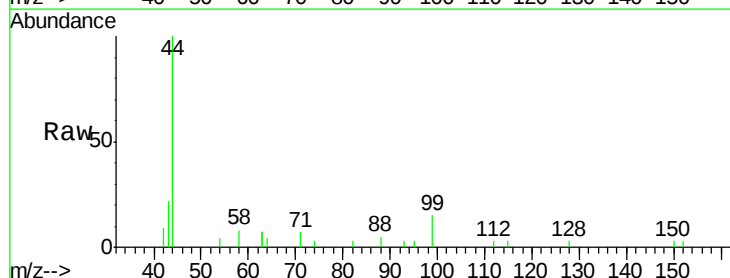
Tgt Ion: 99 Resp: 399

Ion Ratio Lower Upper

99 100

42 41.9 20.2 30.2#

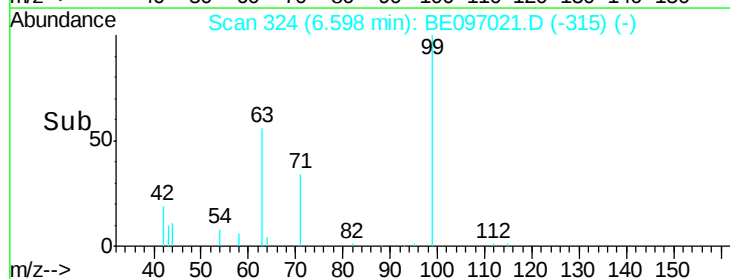
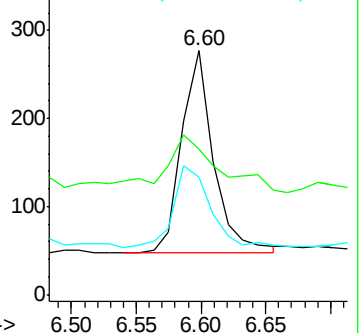
71 46.4 28.4 42.6#

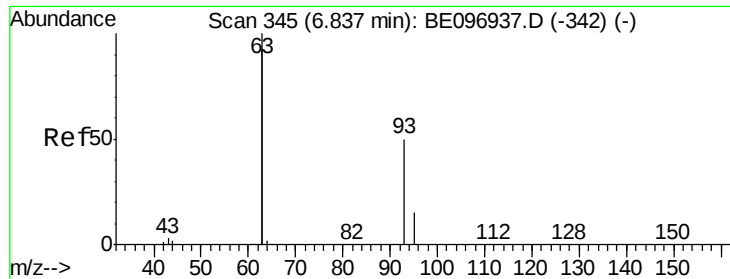


Abundance Ion 99.00 (98.70 to 99.70): BE0

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 :

RE105D1-071318

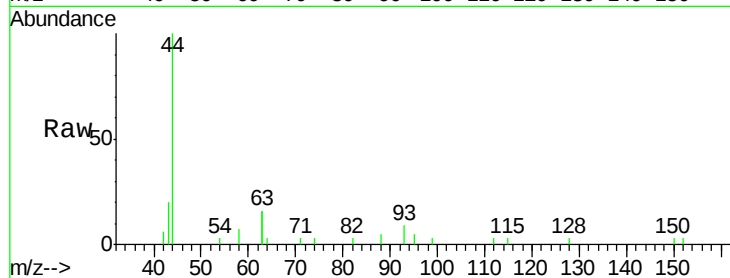
Tgt Ion: 93 Resp: 182

Ion Ratio Lower Upper

93 100

63 375.3 275.3 412.9

95 48.9 25.2 37.8#

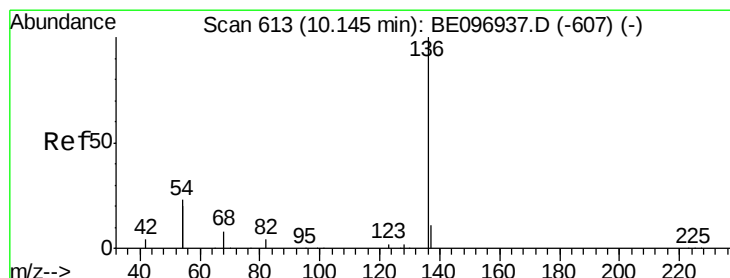
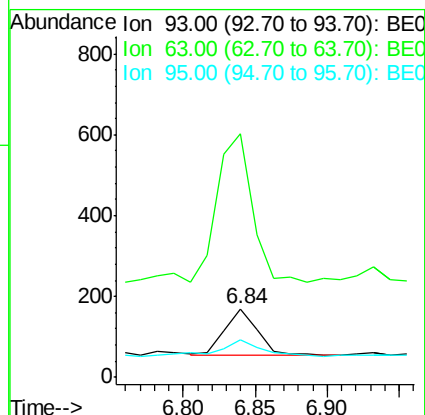
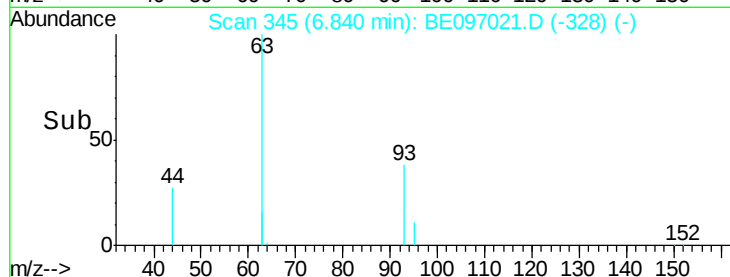


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->



#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

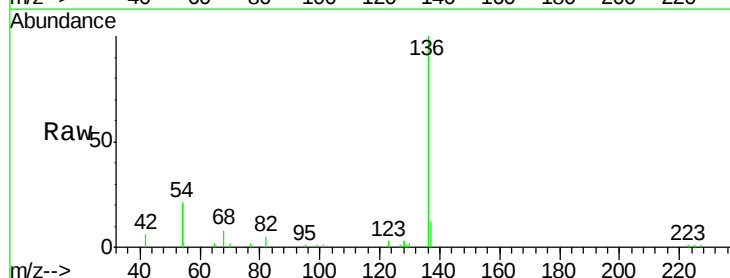
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 41.4 29.1 43.7

68 8.1 6.2 9.2



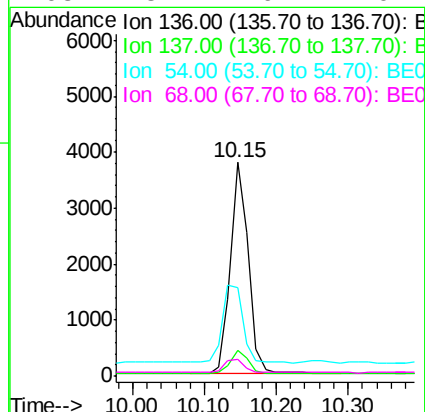
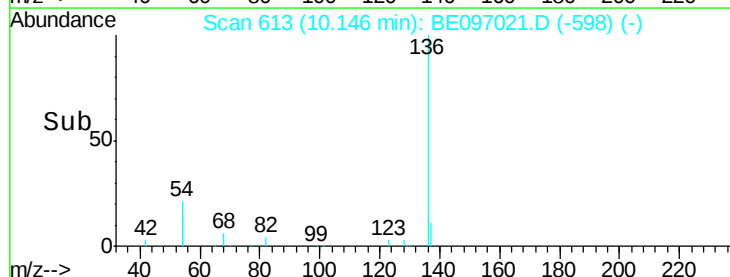
Abundance Ion 136.00 (135.70 to 136.70): E

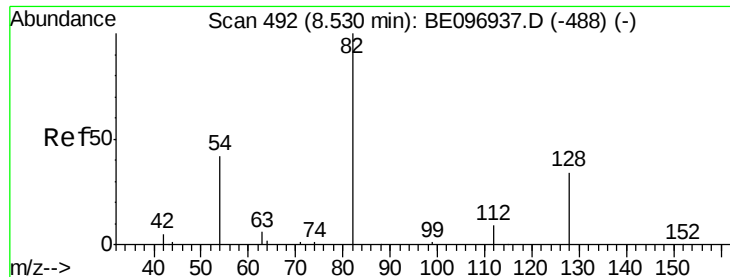
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->





#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

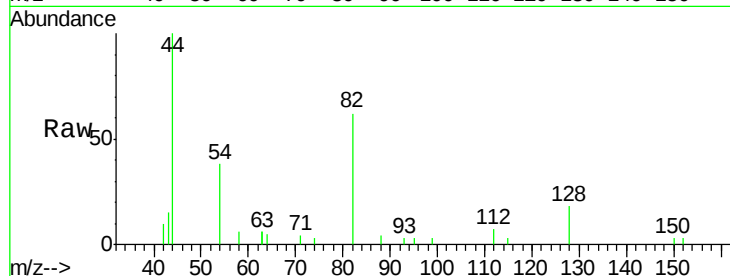
Instrument :

BNA_E

ClientSampleId :

RE105D1-071318

Tgt Ion:	82	Resp:	1981
Ion	Ratio	Lower	Upper
82	100		
128	29.6	24.0	36.0
54	60.4	40.0	60.0#

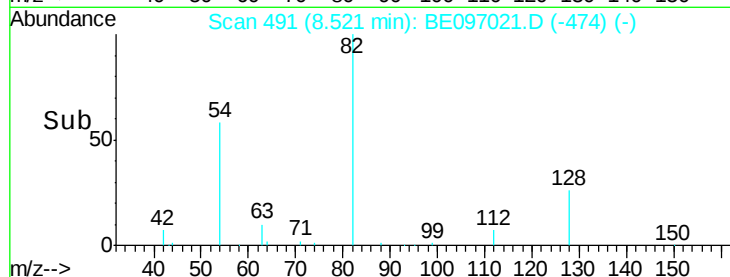


Abundance Ion 82.00 (81.70 to 82.70): BE096937.D (-488) (-)

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

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

Time-->

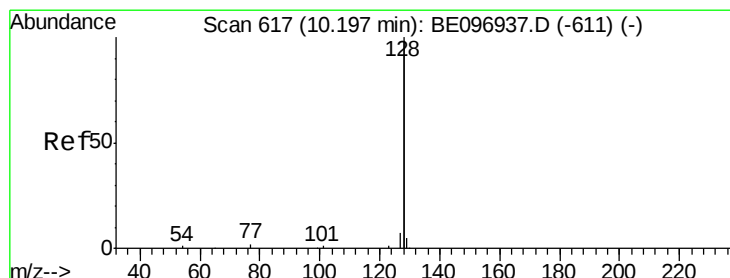


Abundance Ion 82.00 (81.70 to 82.70): BE097021.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BE097021.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BE097021.D (-474) (-)

Time-->



#9

Naphthalene

Concen: 0.049 ng

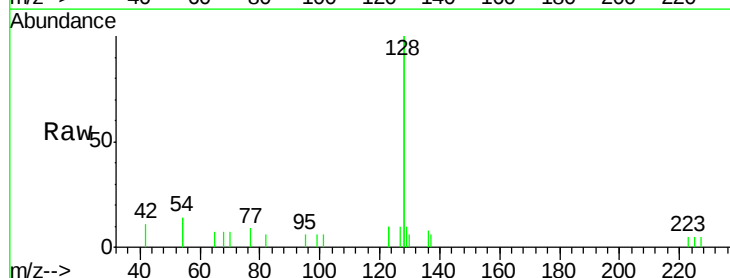
RT: 10.20 min Scan# 617

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#

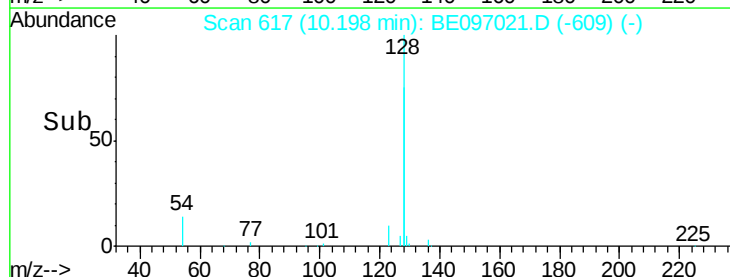


Abundance Ion 128.00 (127.70 to 128.70): BE096937.D (-611) (-)

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

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

Time-->

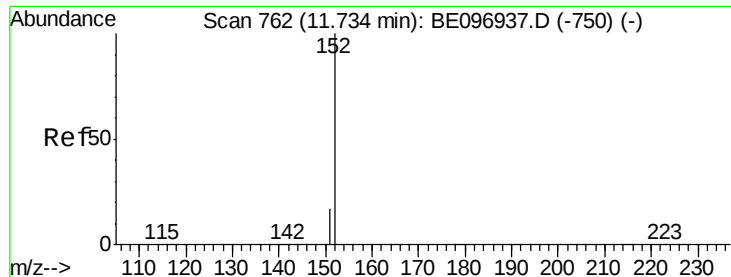


Abundance Ion 128.00 (127.70 to 128.70): BE097021.D (-609) (-)

Ion 129.00 (128.70 to 129.70): BE097021.D (-609) (-)

Ion 127.00 (126.70 to 127.70): BE097021.D (-609) (-)

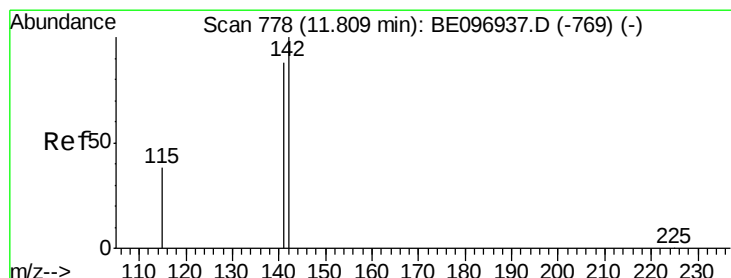
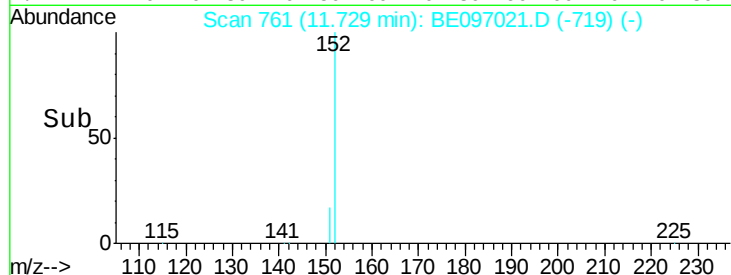
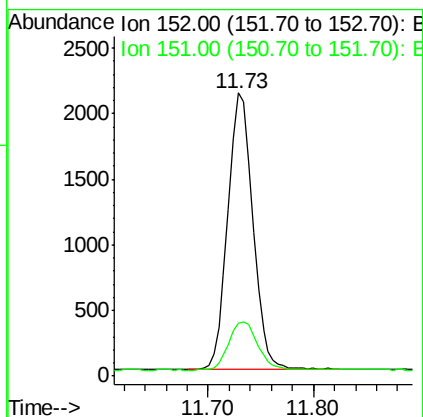
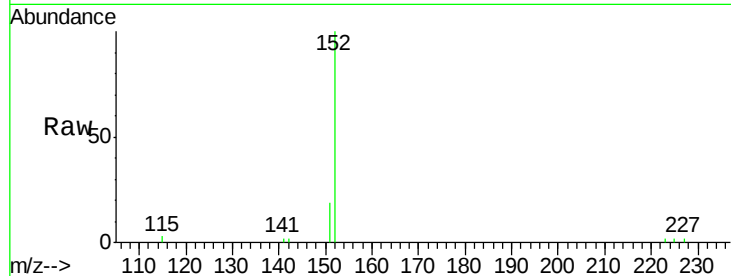
Time-->



#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

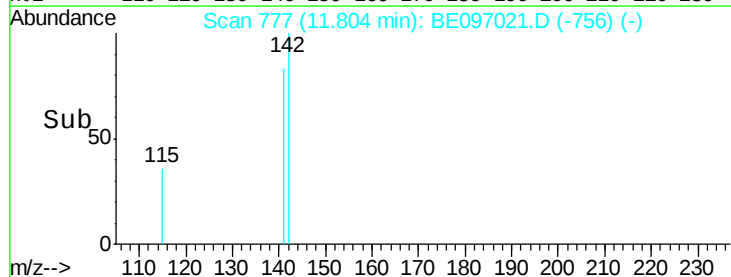
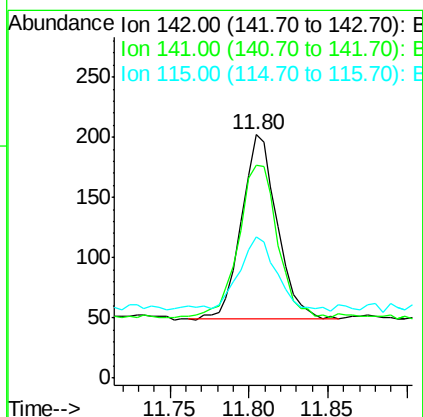
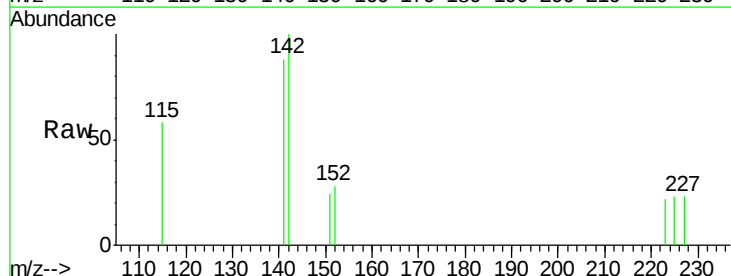
Instrument :
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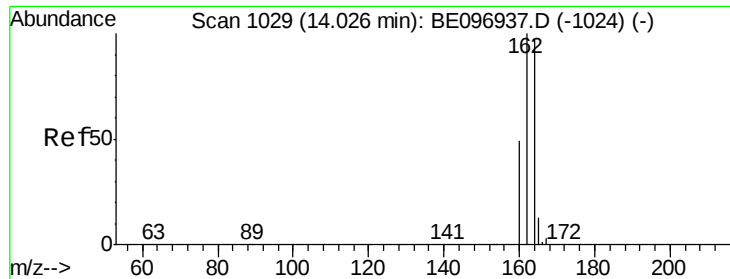
Tgt Ion:152 Resp: 3489
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.0



#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 :

RE105D1-071318

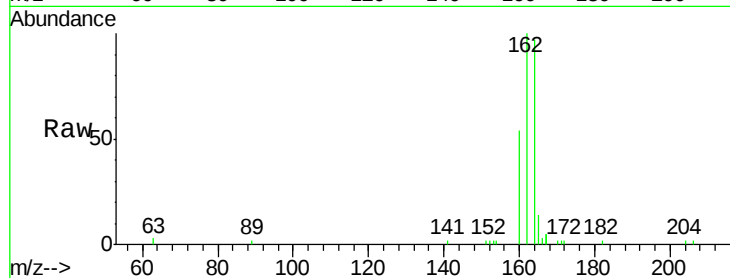
Tgt Ion:164 Resp: 3783

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

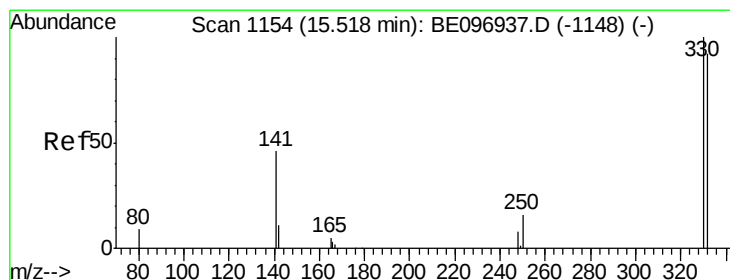
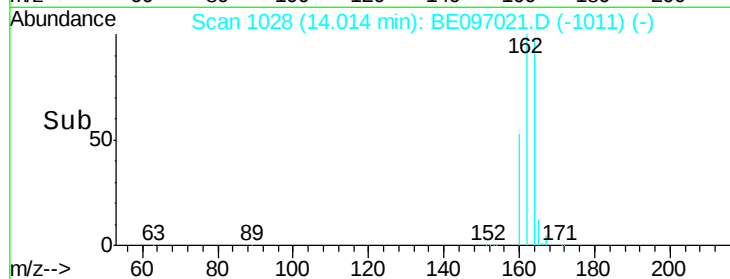
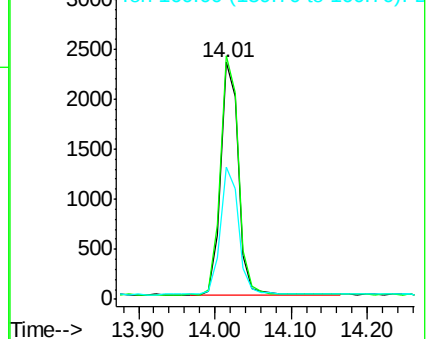
160 55.6 37.1 55.7



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: 0.509 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097021.D

Acq: 20 Jul 2018 9:05

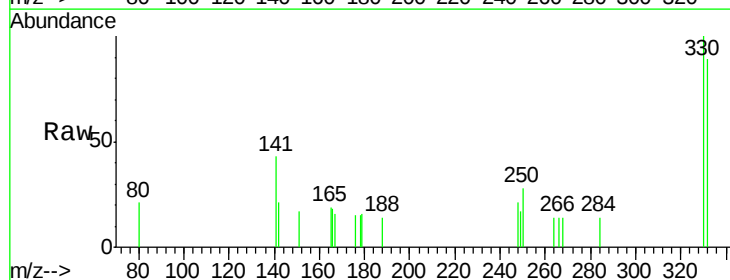
Tgt Ion:330 Resp: 439

Ion Ratio Lower Upper

330 100

332 91.3 152.7 229.1#

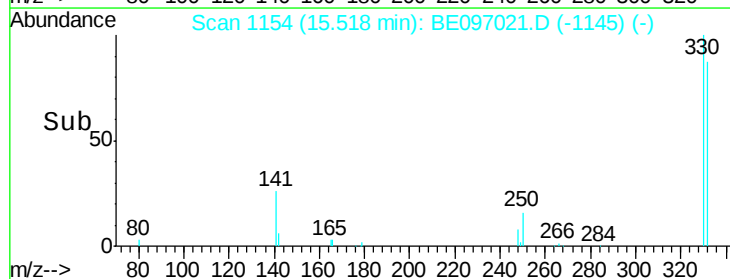
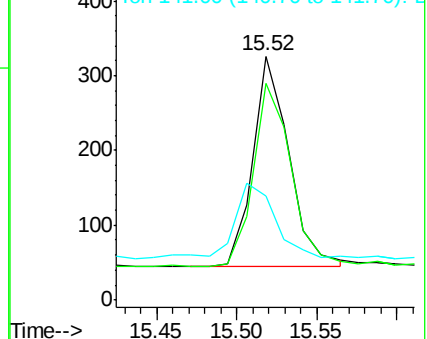
141 40.3 33.7 50.5

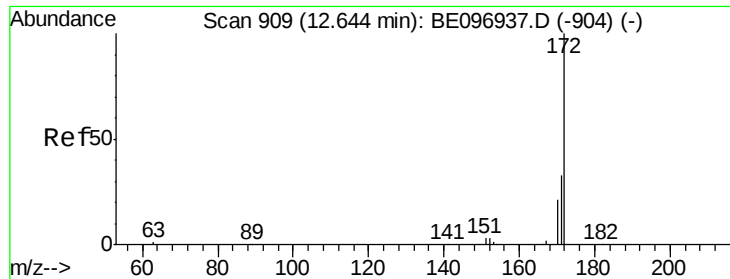


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

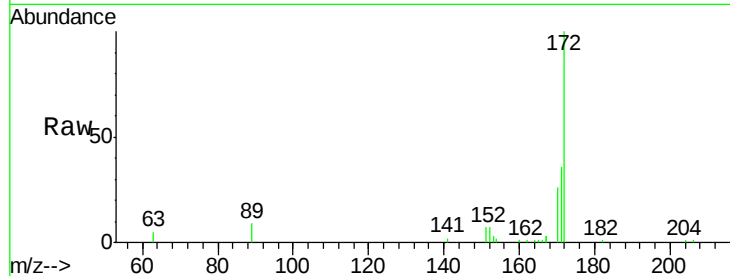




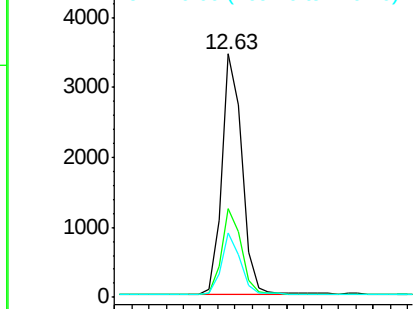
#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097021.D
Acq: 20 Jul 2018 9:05

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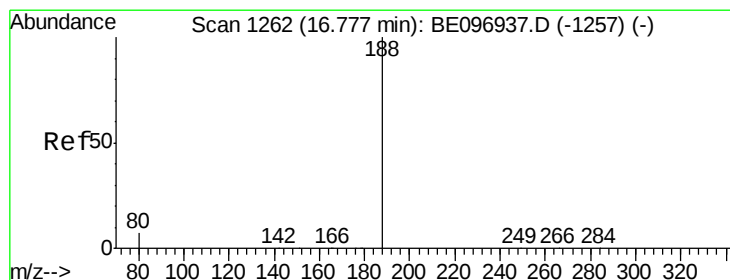
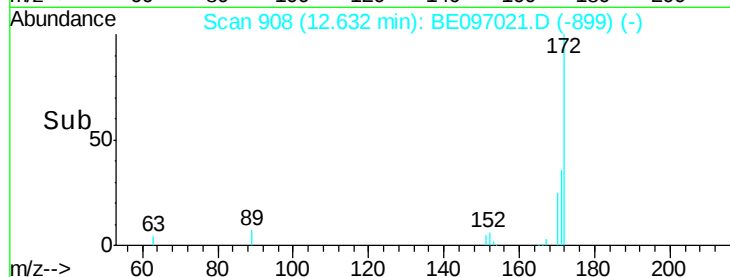
Tgt Ion:172 Resp: 5584
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 26.4 21.8 32.8



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

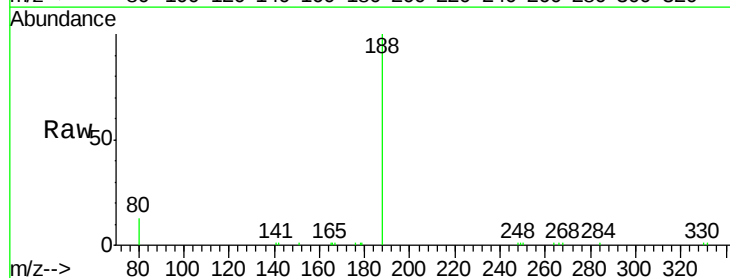


Time--> 12.50 12.60 12.70 12.80

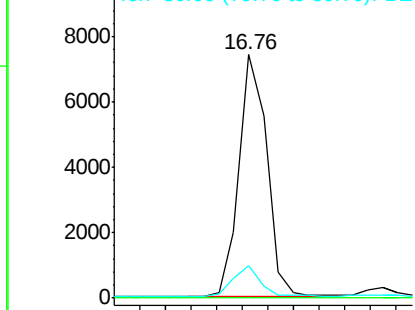


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097021.D
Acq: 20 Jul 2018 9:05

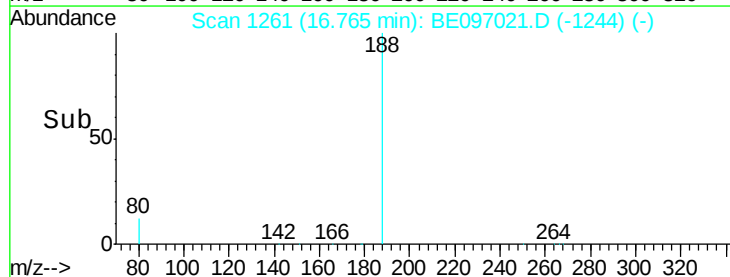
Tgt Ion:188 Resp: 11208
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 13.2 3.6 5.4#

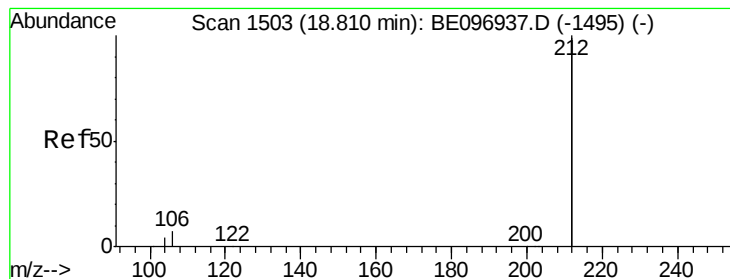


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0



Time--> 16.70 16.80





#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

Instrument :

BNA_E

ClientSampleId :

RE105D1-071318

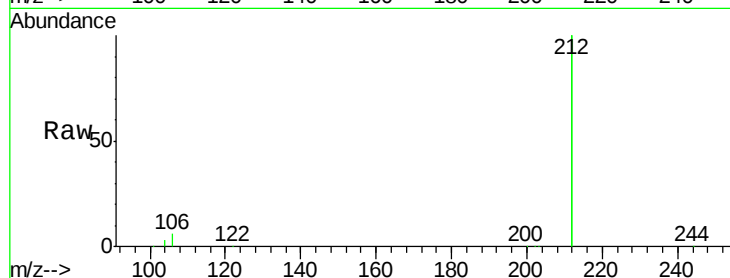
Tgt Ion:212 Resp: 52750

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

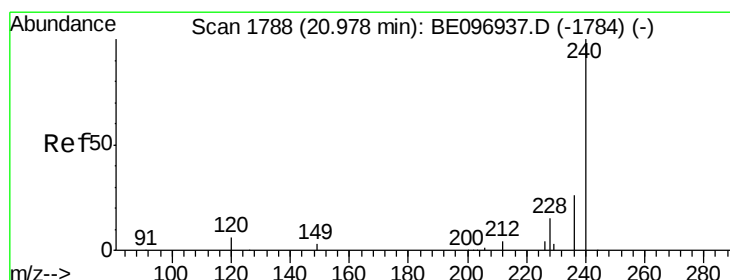
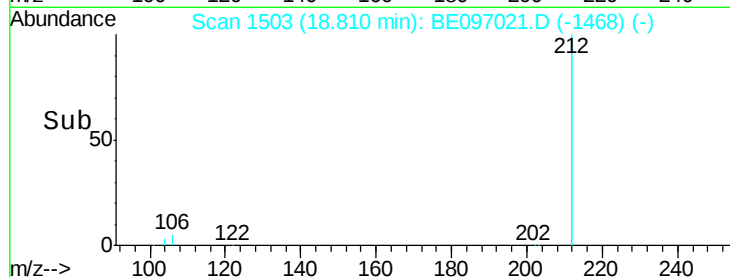
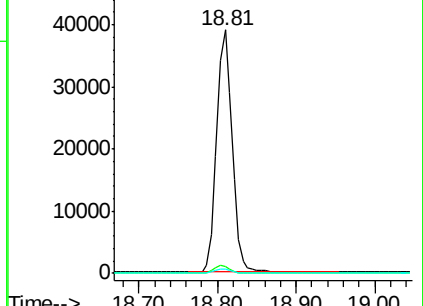
104 1.7 1.6 2.4



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: BE097021.D

Acq: 20 Jul 2018 9:05

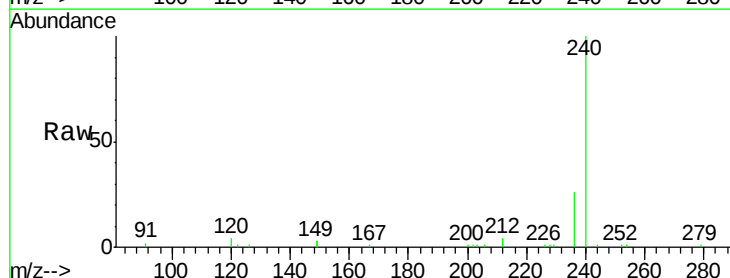
Tgt Ion:240 Resp: 11656

Ion Ratio Lower Upper

240 100

120 4.2 5.5 8.3#

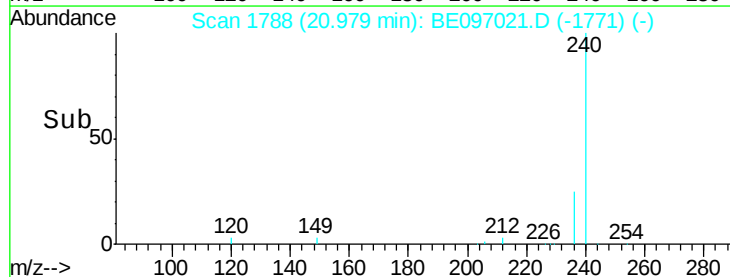
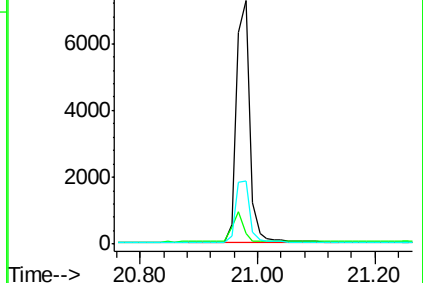
236 25.9 20.7 31.1

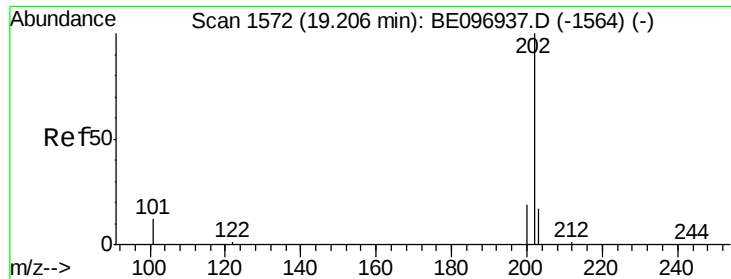


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_E

ClientSampleId :

RE105D1-071318

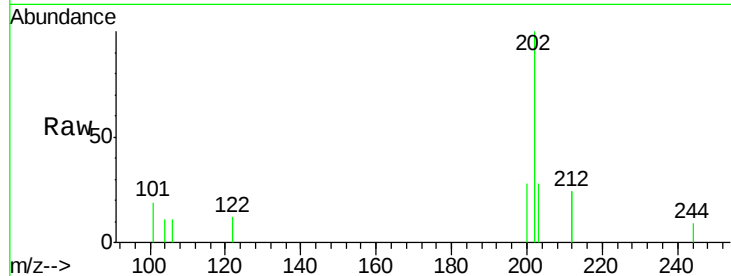
Tgt Ion:202 Resp: 708

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

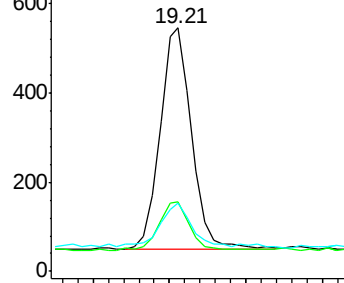
203 19.8 13.8 20.8



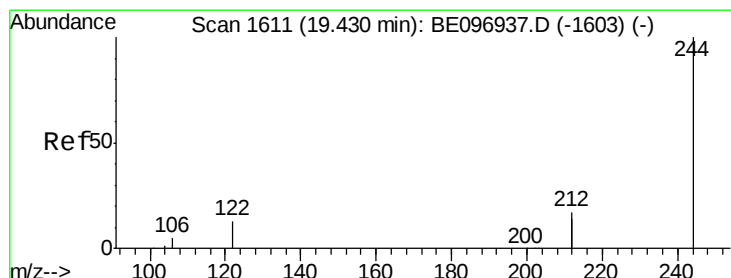
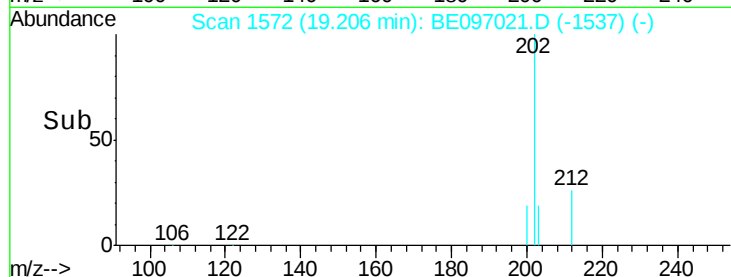
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#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

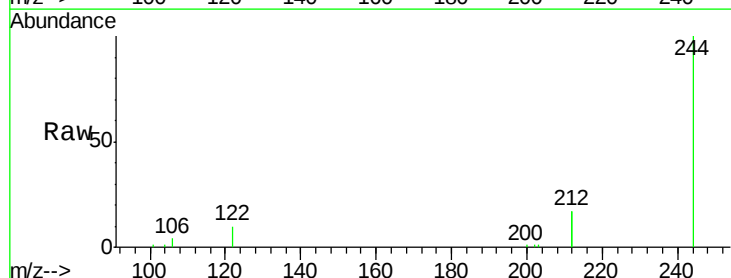
Tgt Ion:244 Resp: 10710

Ion Ratio Lower Upper

244 100

212 33.0 25.4 38.0

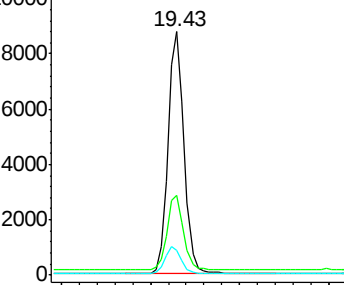
122 10.2 8.1 12.1



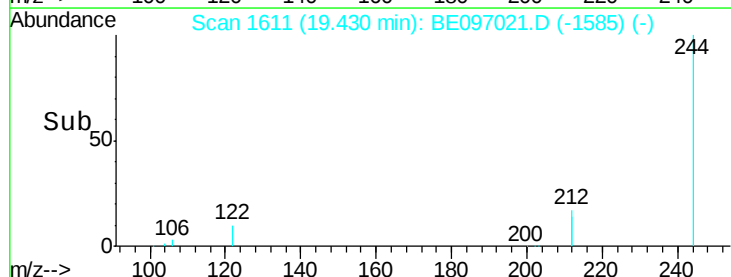
Abundance Ion 244.00 (243.70 to 244.70): E

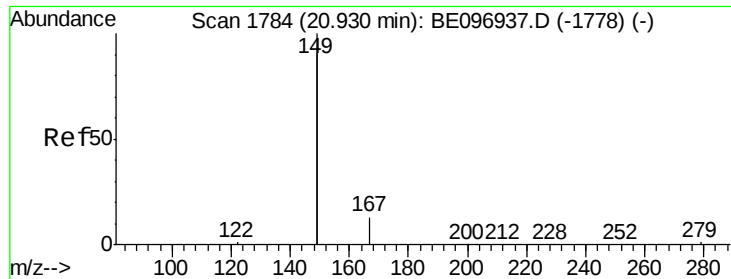
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#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

Instrument :

BNA_E

ClientSampleId :

RE105D1-071318

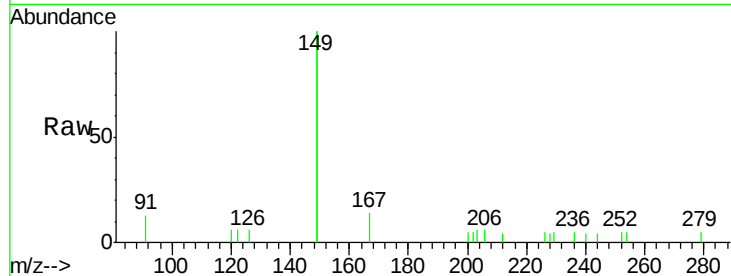
Tgt Ion:149 Resp: 2725

Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

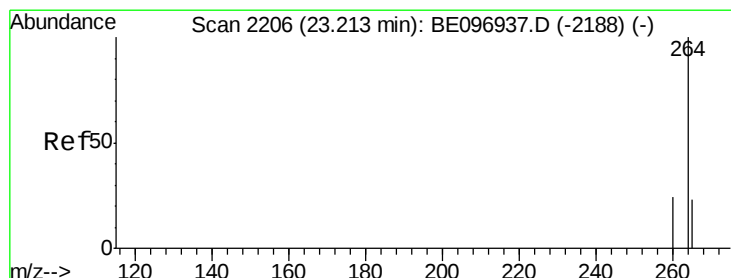
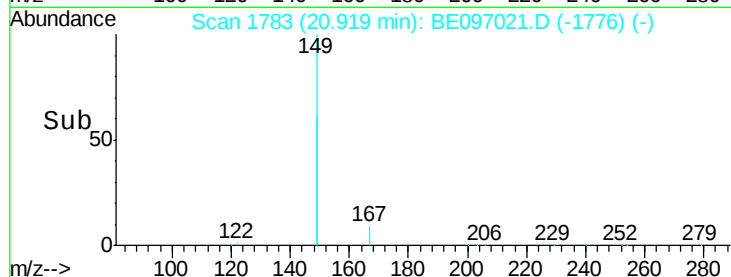
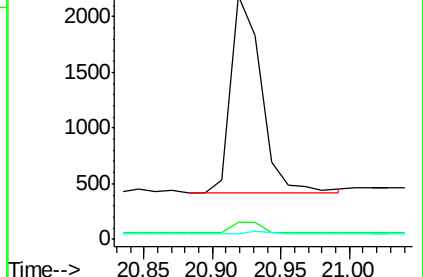
279 1.0 0.7 1.1



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

Perylene-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

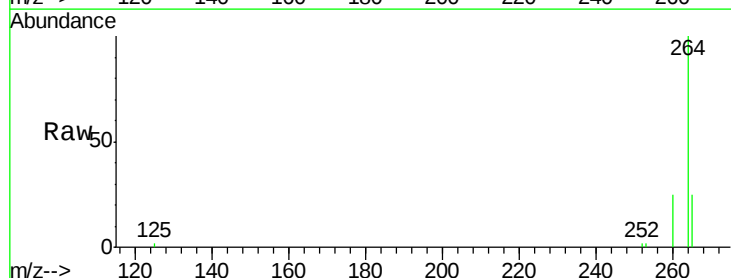
Tgt Ion:264 Resp: 8273

Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

265 25.5 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

