

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097056.D
 Acq On : 24 Jul 2018 3:53
 Operator : SJ/JU
 Sample : J4073-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE126D2-071718

Quant Time: Jul 24 05:29:29 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	1397	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6536	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3995	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	12445	0.40	ng	0.00
27) Chrysene-d12	20.98	240	12151	0.40	ng	0.00
34) Perylene-d12	23.21	264	11771	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	902	0.27	ng	0.00
5) Phenol-d6	6.59	99	749	0.15	ng	0.00
8) Nitrobenzene-d5	8.53	82	3126	0.66	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4899	0.51	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	753	0.76	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8861	0.60	ng	0.00
25) Fluoranthene-d10	18.81	212	74249	0.69	ng	0.00
29) Terphenyl-d14	19.43	244	15491	0.66	ng	0.00

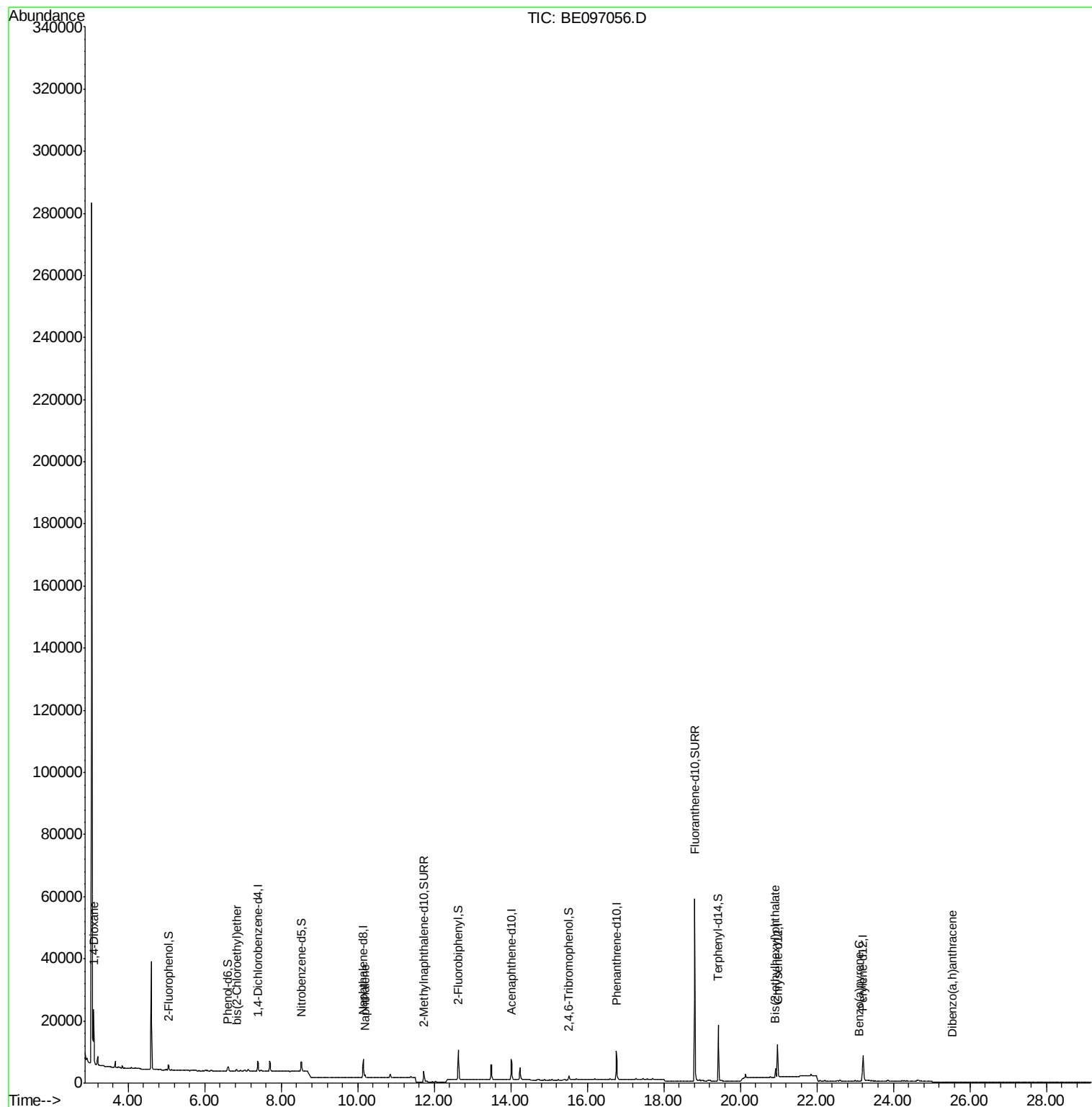
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	7907	3.954	ng	# 88
6) bis(2-Chloroethyl)ether	6.84	93	138	0.028	ng	# 76
9) Naphthalene	10.20	128	1497	0.026	ng	# 88
22) Pentachlorophenol	16.43	266	9	Below Cal		91
32) Bis(2-ethylhexyl)phthalate	20.92	149	3565	0.123	ng	99
37) Benzo(a)pyrene	23.11	252	13	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	5	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: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

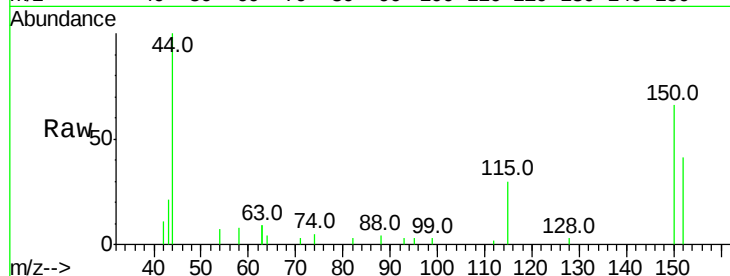
Tot Ion:152 Resp: 1397

Ion Ratio Lower Upper

152 100

150 159.3 117.2 175.8

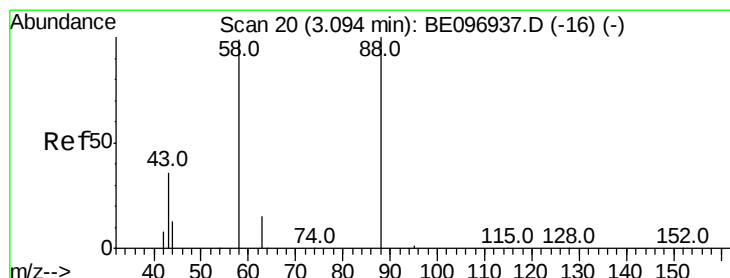
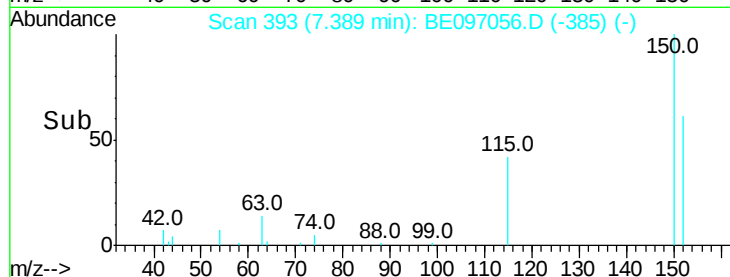
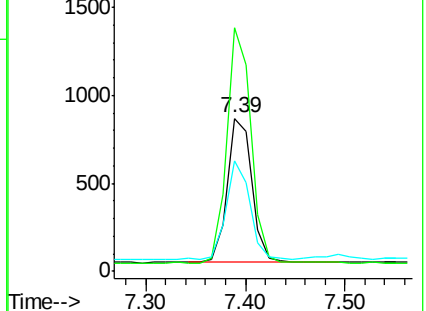
115 72.1 57.0 85.6



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: 3.954 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

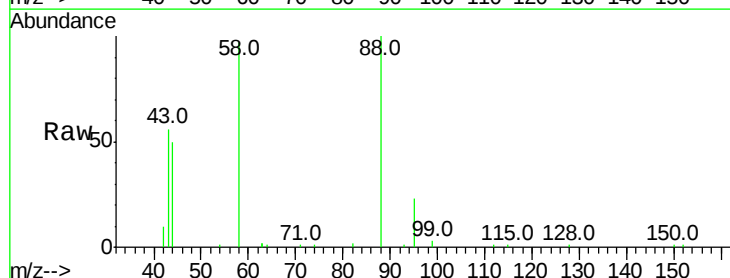
Tgt Ion: 88 Resp: 7907

Ion Ratio Lower Upper

88 100

58 83.9 63.2 94.8

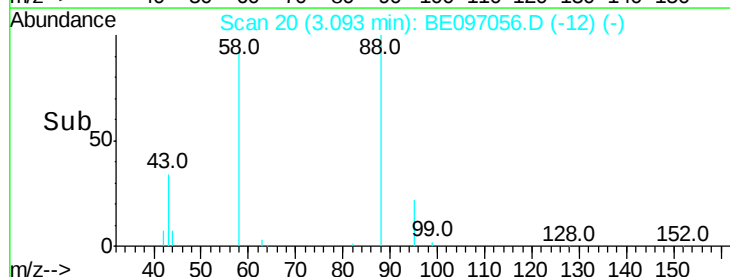
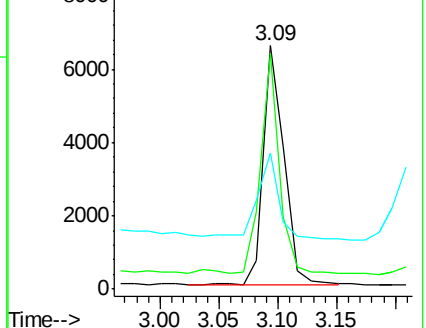
43 36.4 41.2 61.8#

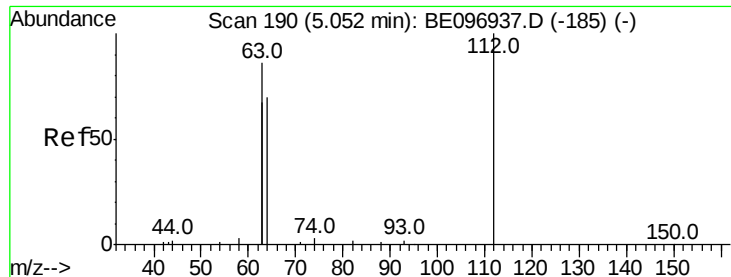


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.270 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

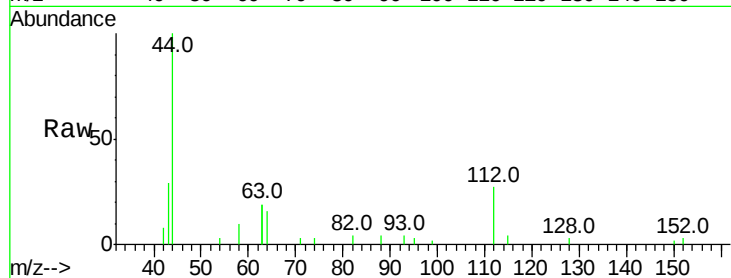
Tot Ion: 112 Resp: 902

Ion Ratio Lower Upper

112 100

64 71.4 60.1 90.1

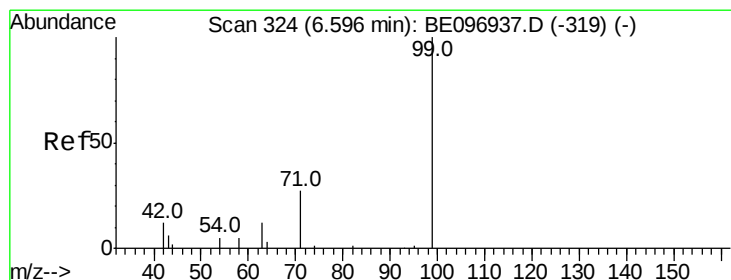
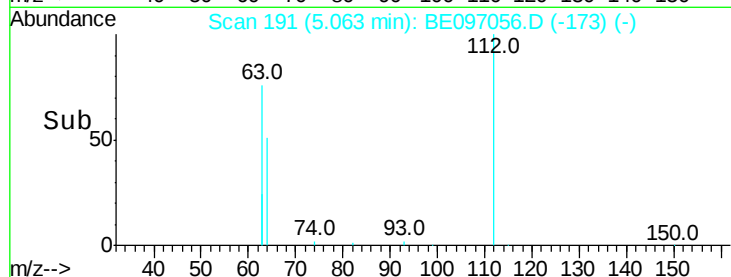
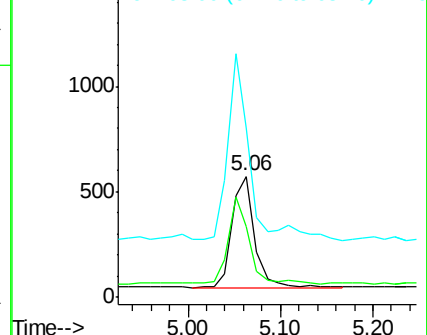
63 144.5 116.8 175.2



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: 0.147 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

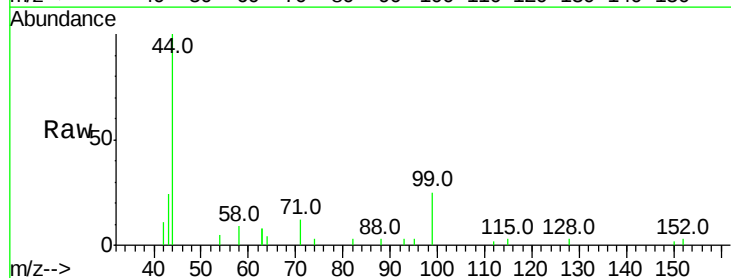
Tgt Ion: 99 Resp: 749

Ion Ratio Lower Upper

99 100

42 31.0 20.2 30.2#

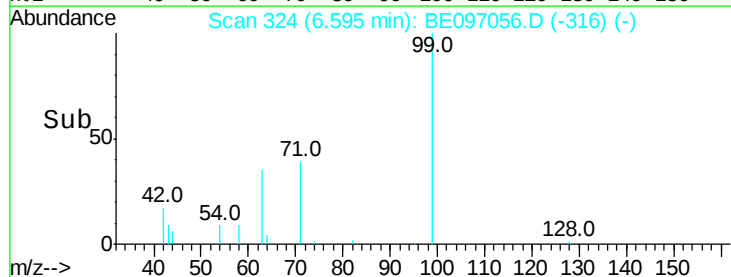
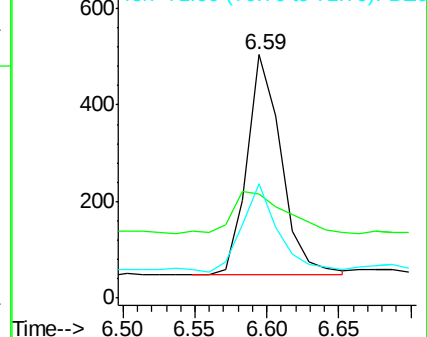
71 39.9 28.4 42.6

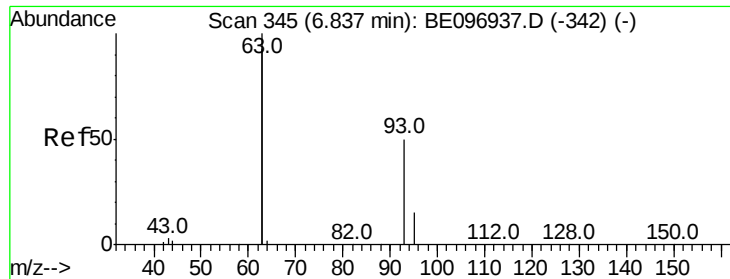


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.028 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

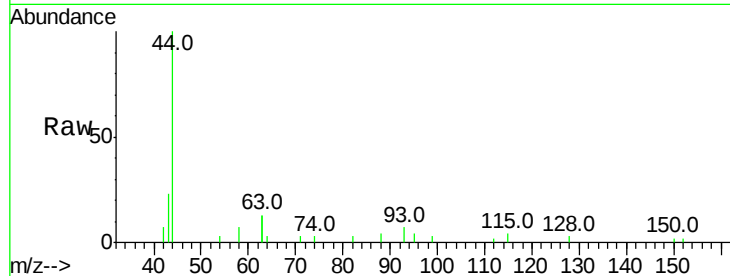
Tot Ion: 93 Resp: 138

Ion Ratio Lower Upper

93 100

63 395.7 275.3 412.9

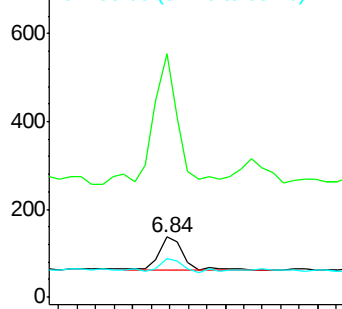
95 42.0 25.2 37.8#



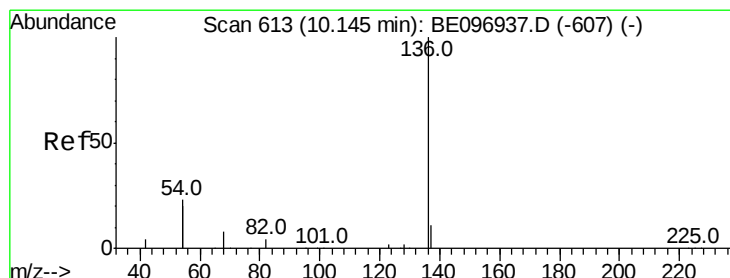
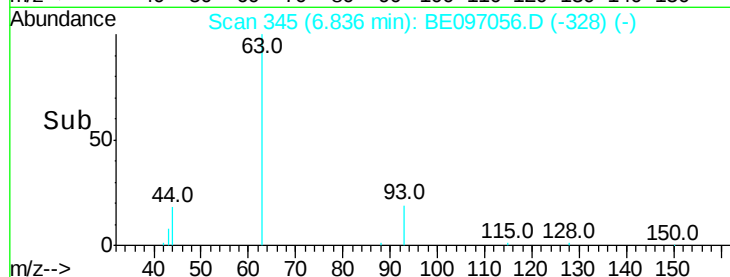
Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097056.D

Acq: 24 Jul 2018 3:53

Tgt Ion:136 Resp: 6536

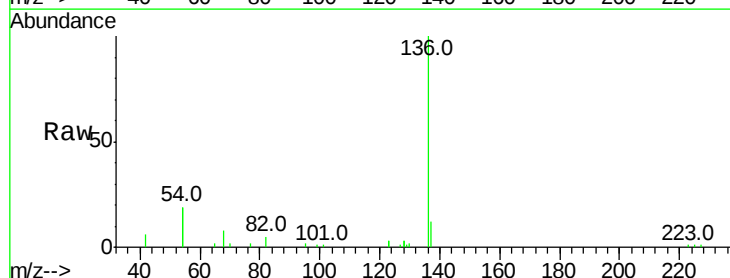
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 38.0 29.1 43.7

68 7.9 6.2 9.2

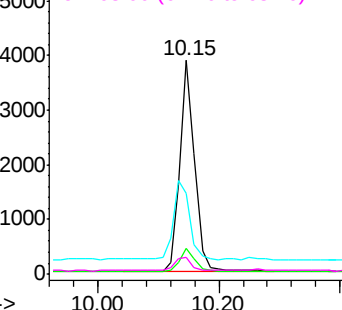


Abundance Ion 136.00 (135.70 to 136.70): E

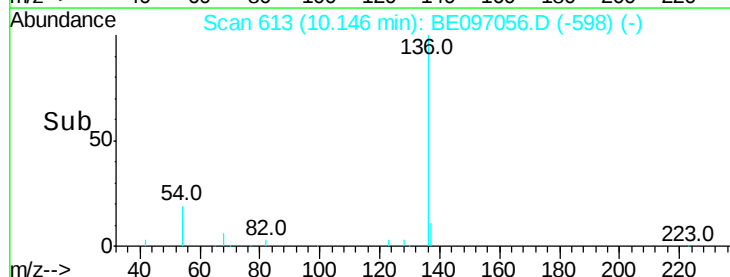
Ion 137.00 (136.70 to 137.70): E

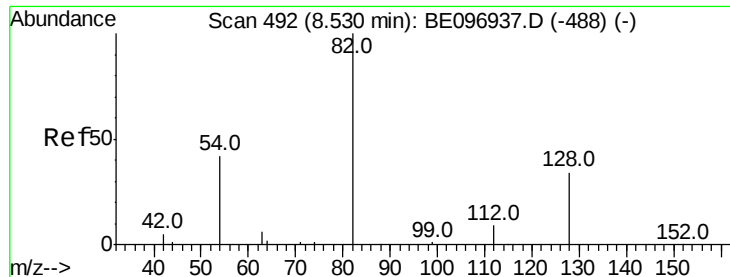
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.656 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

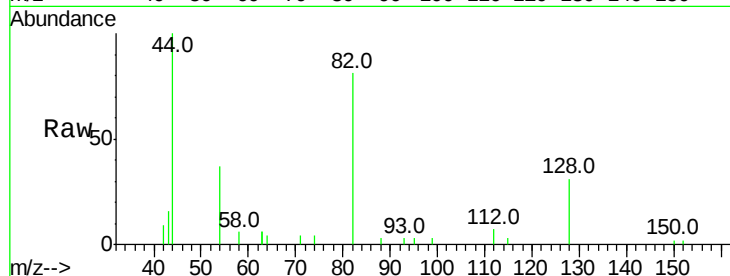
Tot Ion: 82 Resp: 3126

Ion Ratio Lower Upper

82 100

128 38.2 24.0 36.0#

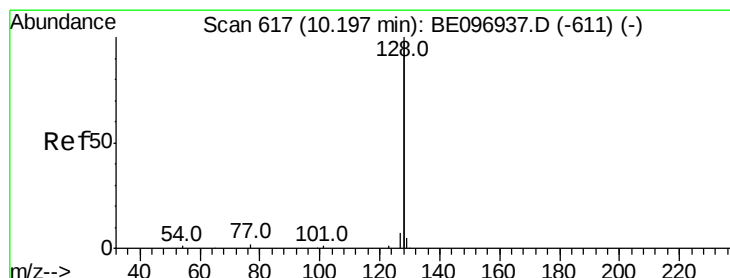
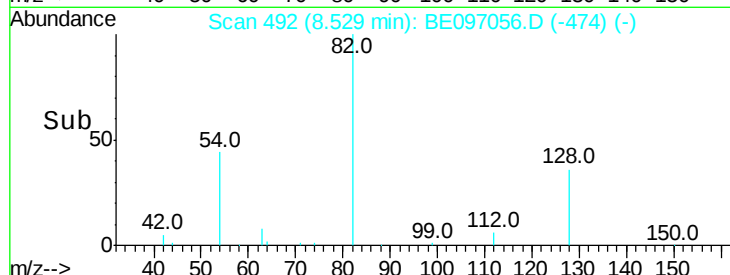
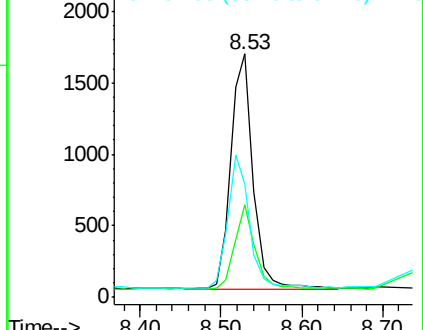
54 46.4 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.026 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

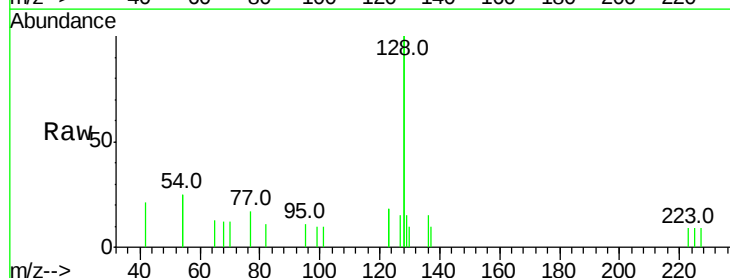
Tgt Ion: 128 Resp: 1497

Ion Ratio Lower Upper

128 100

129 7.4 2.6 3.8#

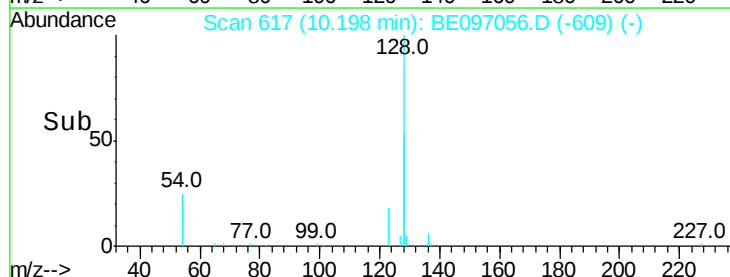
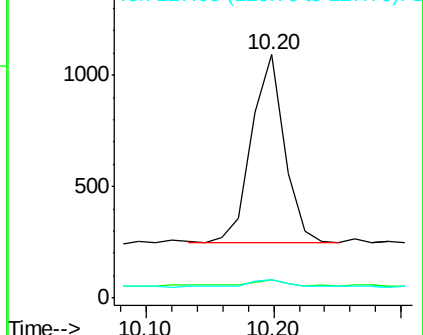
127 7.4 2.8 4.2#

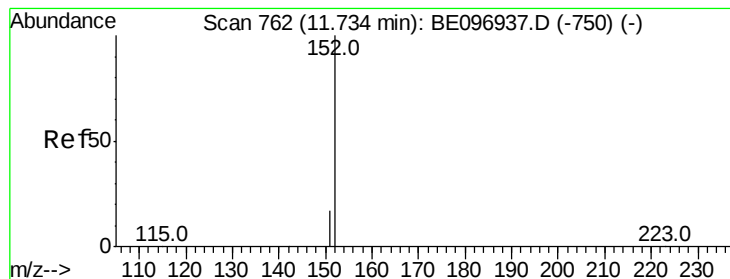


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.514 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

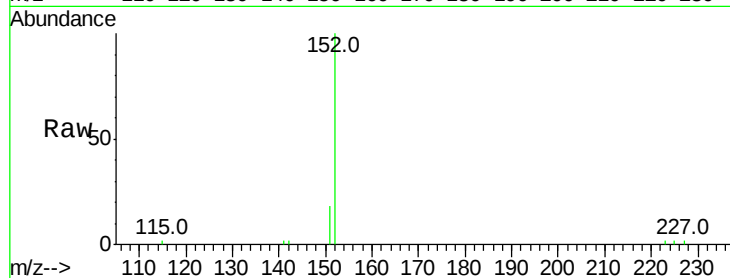
RE126D2-071718

Tot Ion:152 Resp: 4899

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

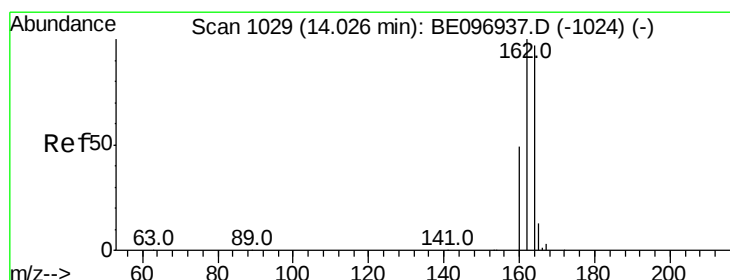
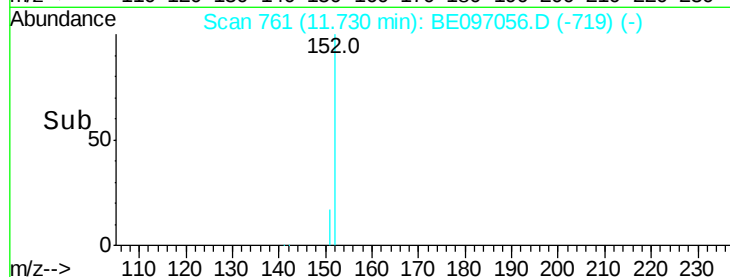
3000

2000

1000

0

Time--> 11.60 11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

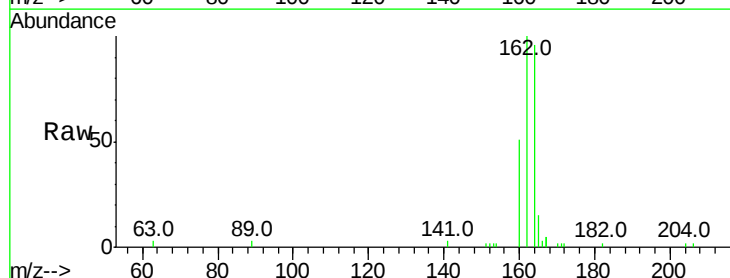
Tgt Ion:164 Resp: 3995

Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

160 53.5 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

14.01

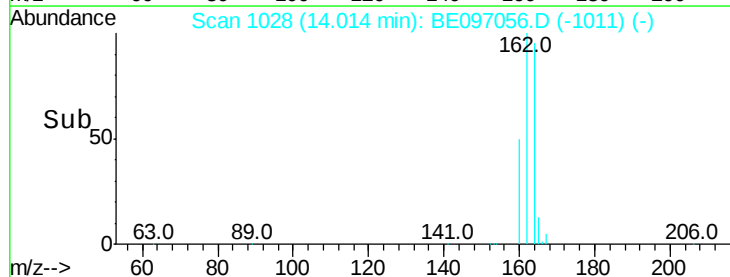
3000

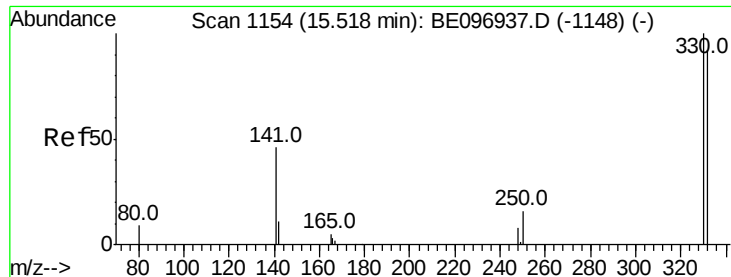
2000

1000

0

Time--> 13.80 14.00 14.20

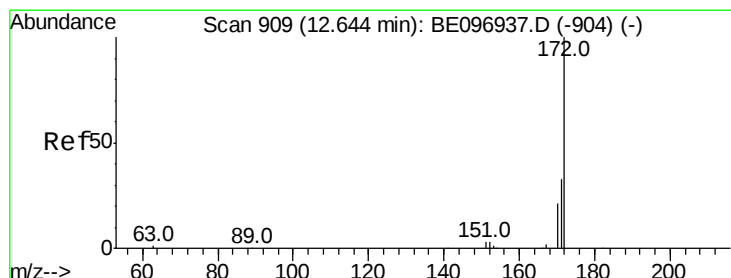
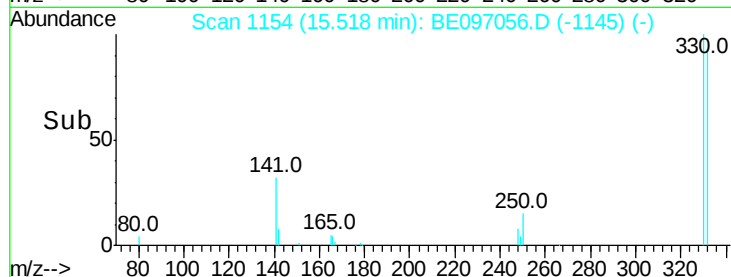
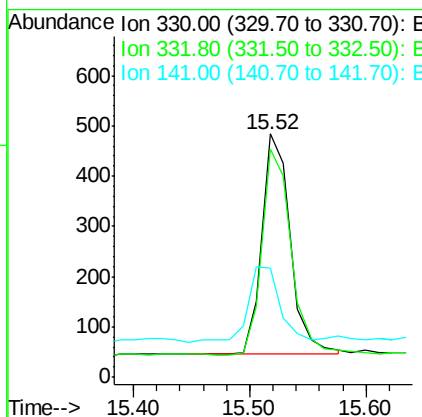
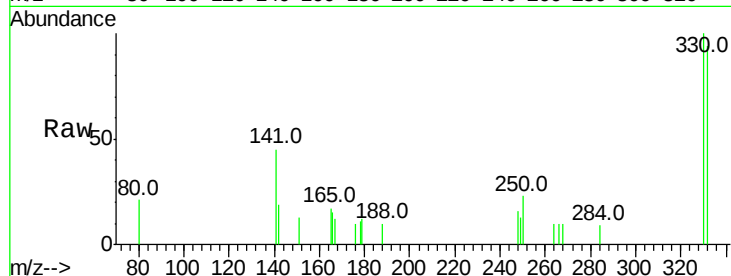




#14
 2,4,6-Tribromophenol
 Concen: 0.760 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097056.D
 Acq: 24 Jul 2018 3:53

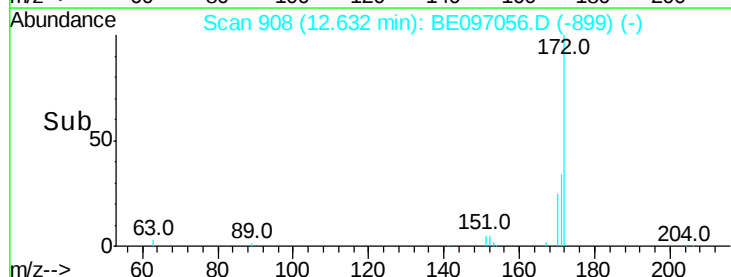
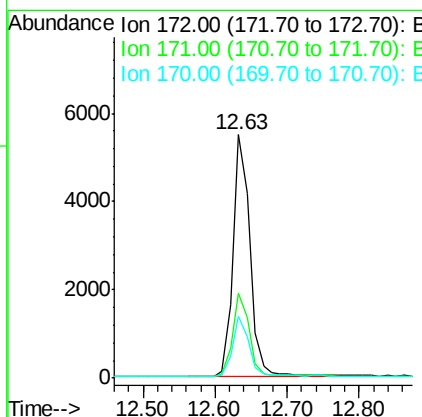
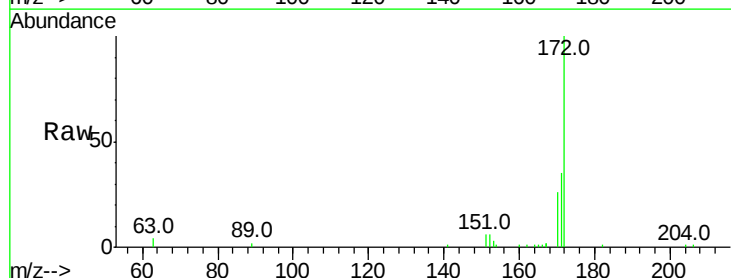
Instrument :
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 RE126D2-071718

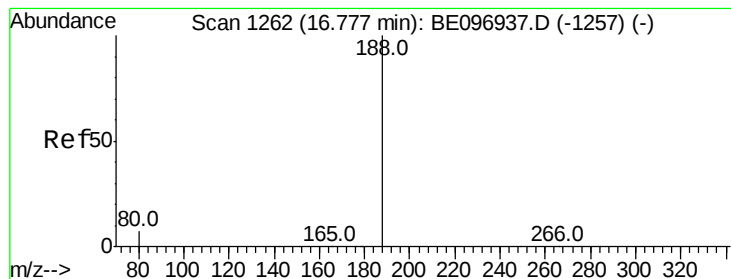
Tot Ion:330 Resp: 753
 Ion Ratio Lower Upper
 330 100
 332 95.4 152.7 229.1#
 141 38.8 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.596 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097056.D
 Acq: 24 Jul 2018 3:53

Tgt Ion:172 Resp: 8861
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.9 44.9
 170 25.7 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: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

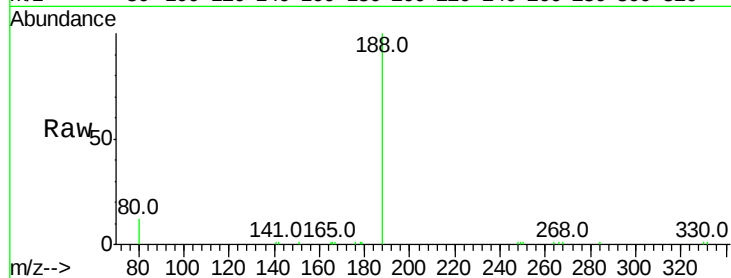
Tot Ion:188 Resp: 12445

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

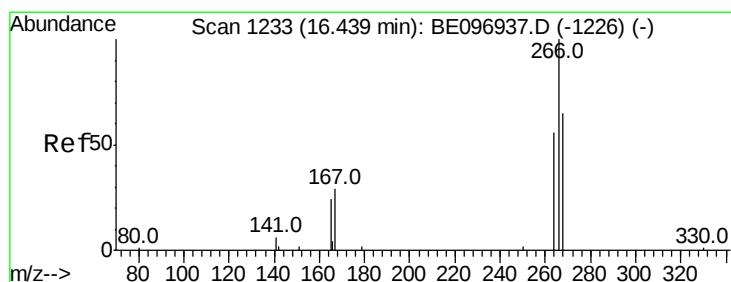
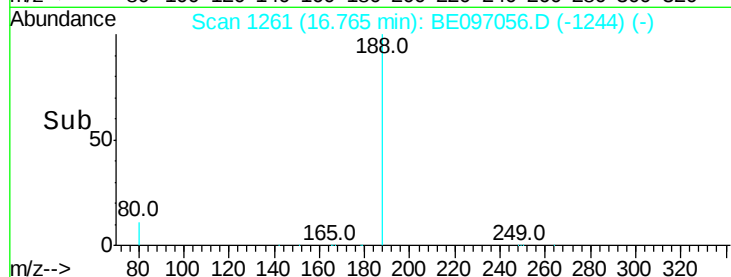
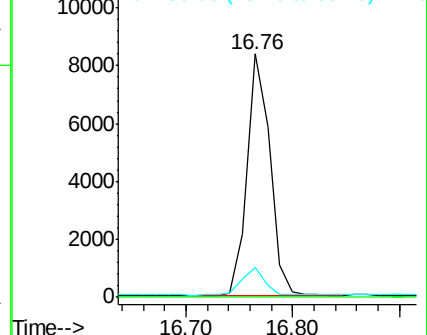
80 12.1 3.6 5.4#



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: Below Cal

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

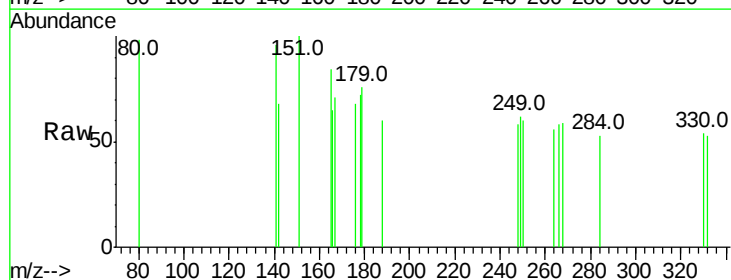
Tgt Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 98.0 72.5 108.7

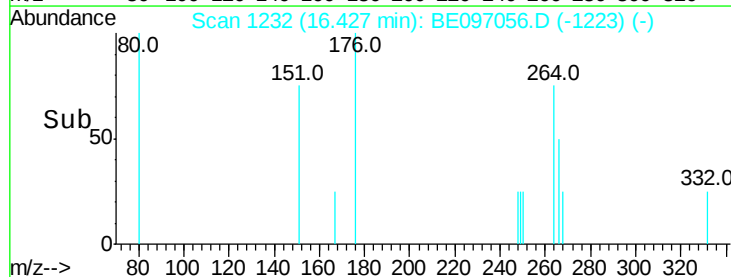
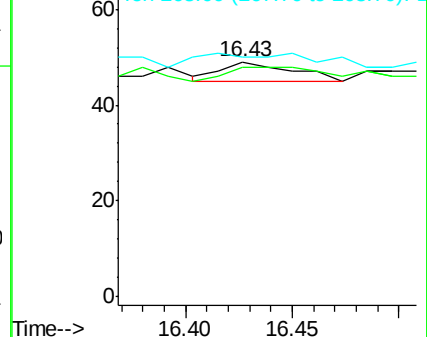
268 102.0 73.8 110.6

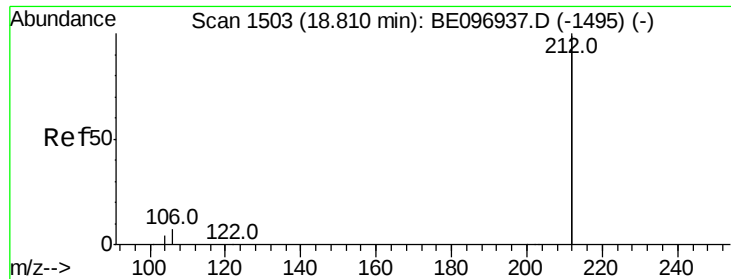


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.686 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

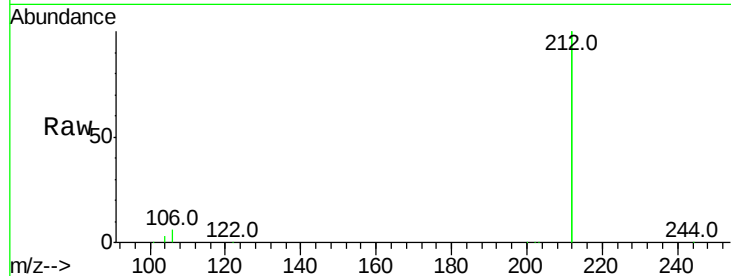
Tot Ion:212 Resp: 74249

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

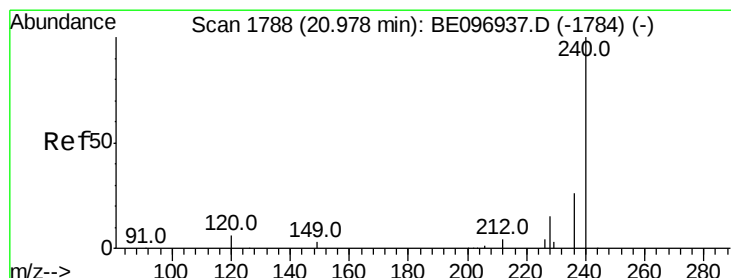
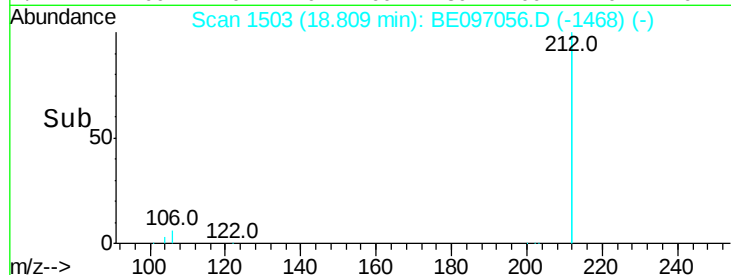
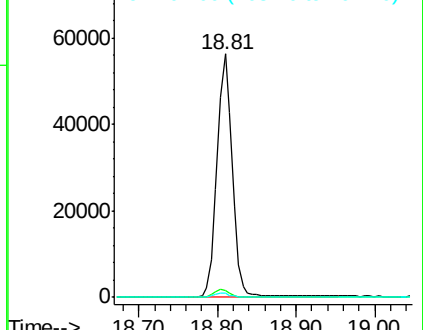
104 1.7 1.6 2.4



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: BE097056.D

Acq: 24 Jul 2018 3:53

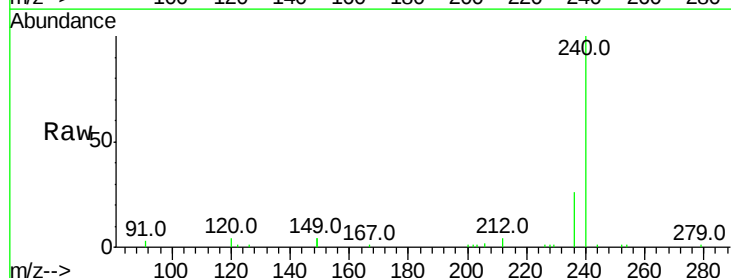
Tgt Ion:240 Resp: 12151

Ion Ratio Lower Upper

240 100

120 4.5 5.5 8.3#

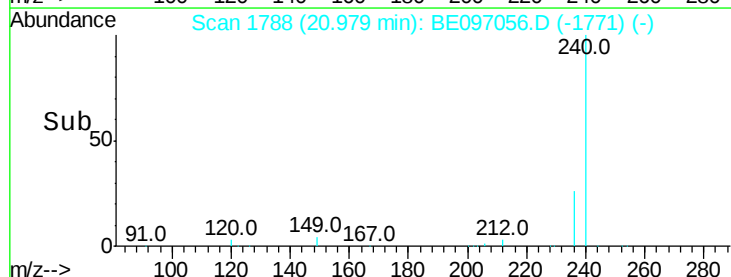
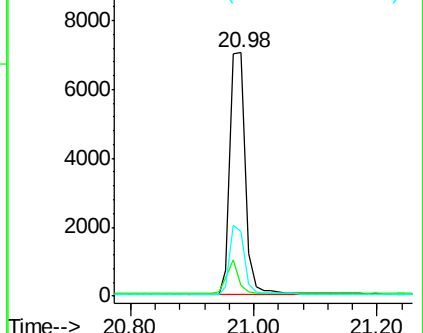
236 26.4 20.7 31.1

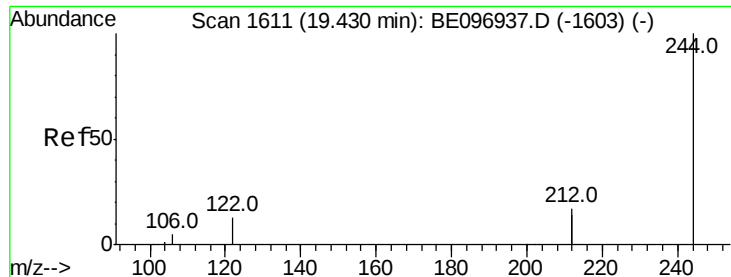


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.661 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718

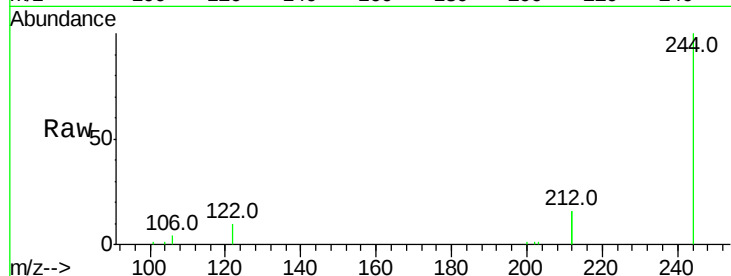
Tot Ion:244 Resp: 15491

Ion Ratio Lower Upper

244 100

212 31.3 25.4 38.0

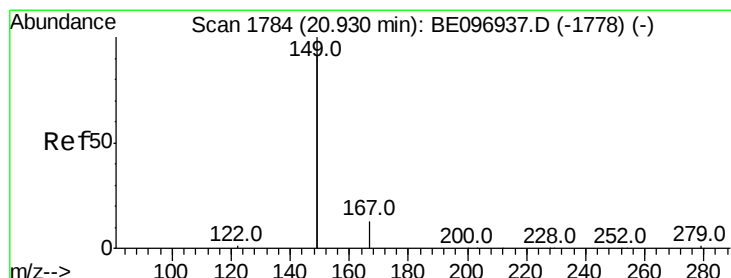
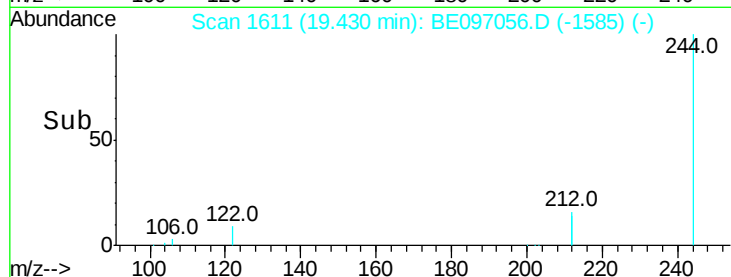
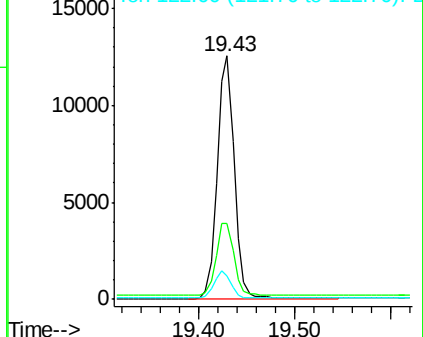
122 9.6 8.1 12.1



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: 0.123 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097056.D

Acq: 24 Jul 2018 3:53

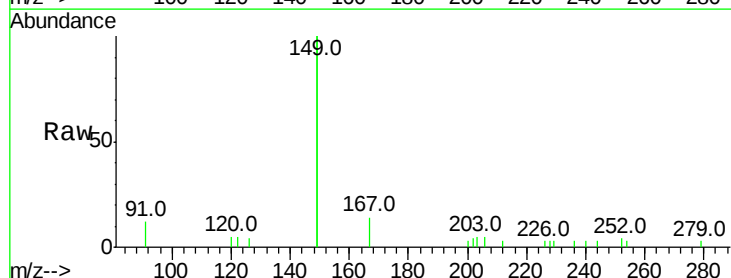
Tgt Ion:149 Resp: 3565

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

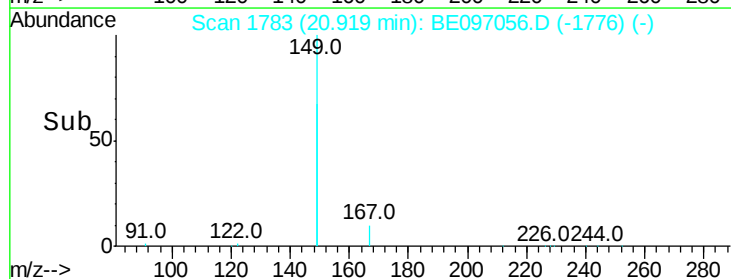
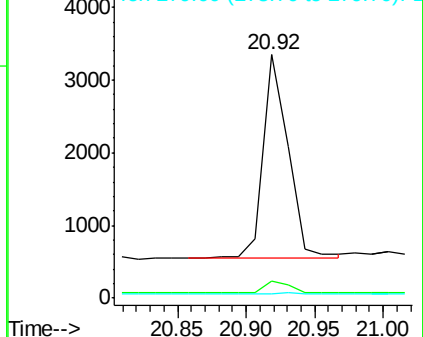
279 1.0 0.7 1.1

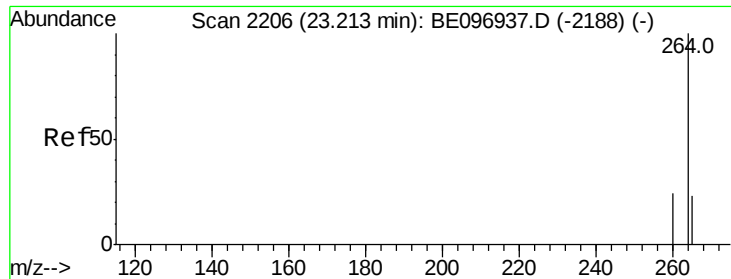


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

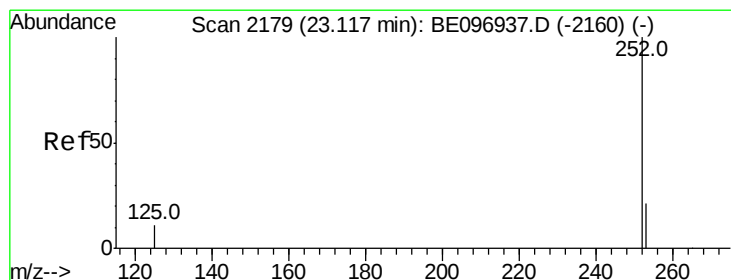
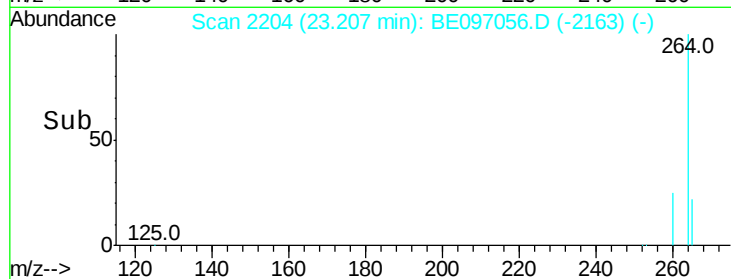
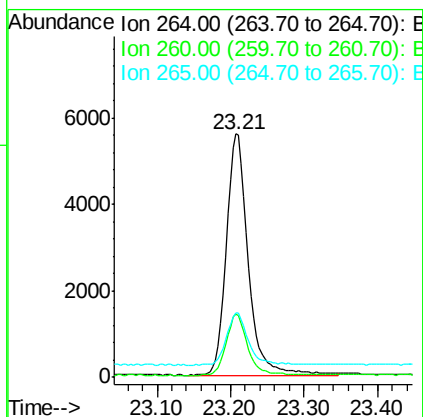
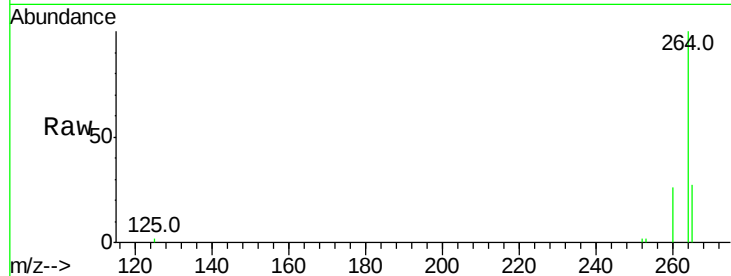




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE097056.D
 Acq: 24 Jul 2018 3:53

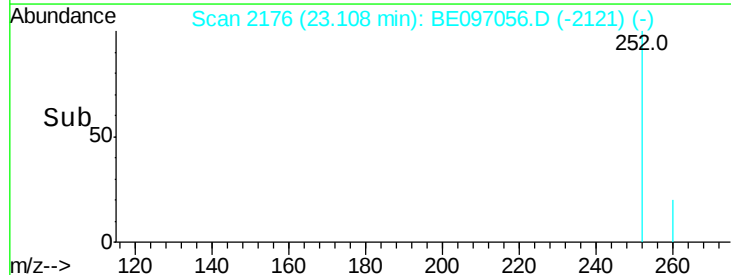
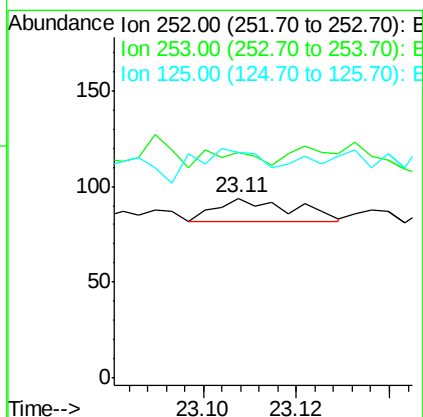
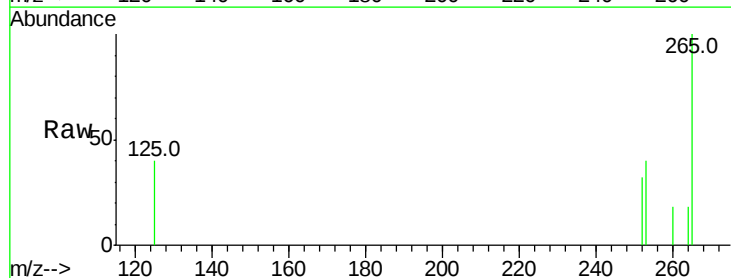
Instrument :
 BNA_E
 ClientSampleId :
 RE126D2-071718

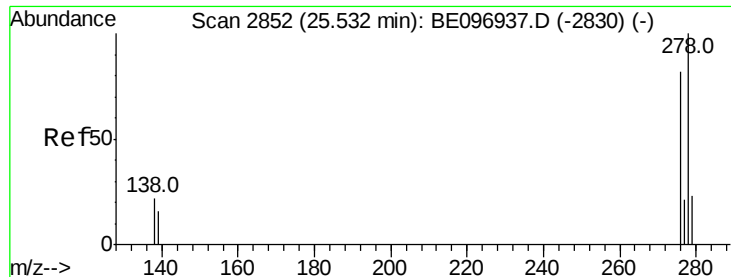
Tot Ion:264 Resp: 11771
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.5 30.7
 265 26.6 22.8 34.2



#37
 Benzo(a)pyrene
 Concen: 0.102 ng
 RT: 23.11 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: BE097056.D
 Acq: 24 Jul 2018 3:53

Tgt Ion:252 Resp: 13
 Ion Ratio Lower Upper
 252 100
 253 125.5 16.0 24.0#
 125 125.5 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE097056.D

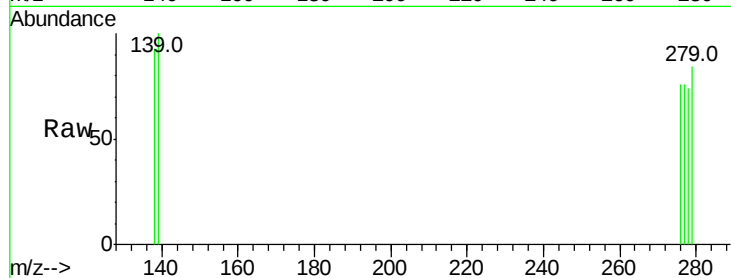
Acq: 24 Jul 2018 3:53

Instrument :

BNA_E

ClientSampleId :

RE126D2-071718



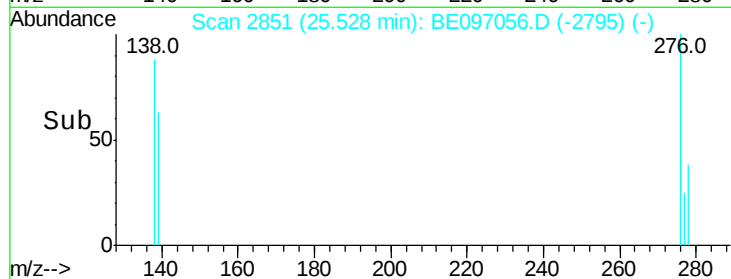
Tot Ion:278 Resp: 5

Ion Ratio Lower Upper

278 100

139 134.5 16.0 24.0#

279 112.7 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

