

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
 Data File : BE097935.D
 Acq On : 17 Oct 2018 7:15
 Operator : SJ/JU
 Sample : J5317-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-122D1-IMP-20181004

Quant Time: Oct 17 08:49:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

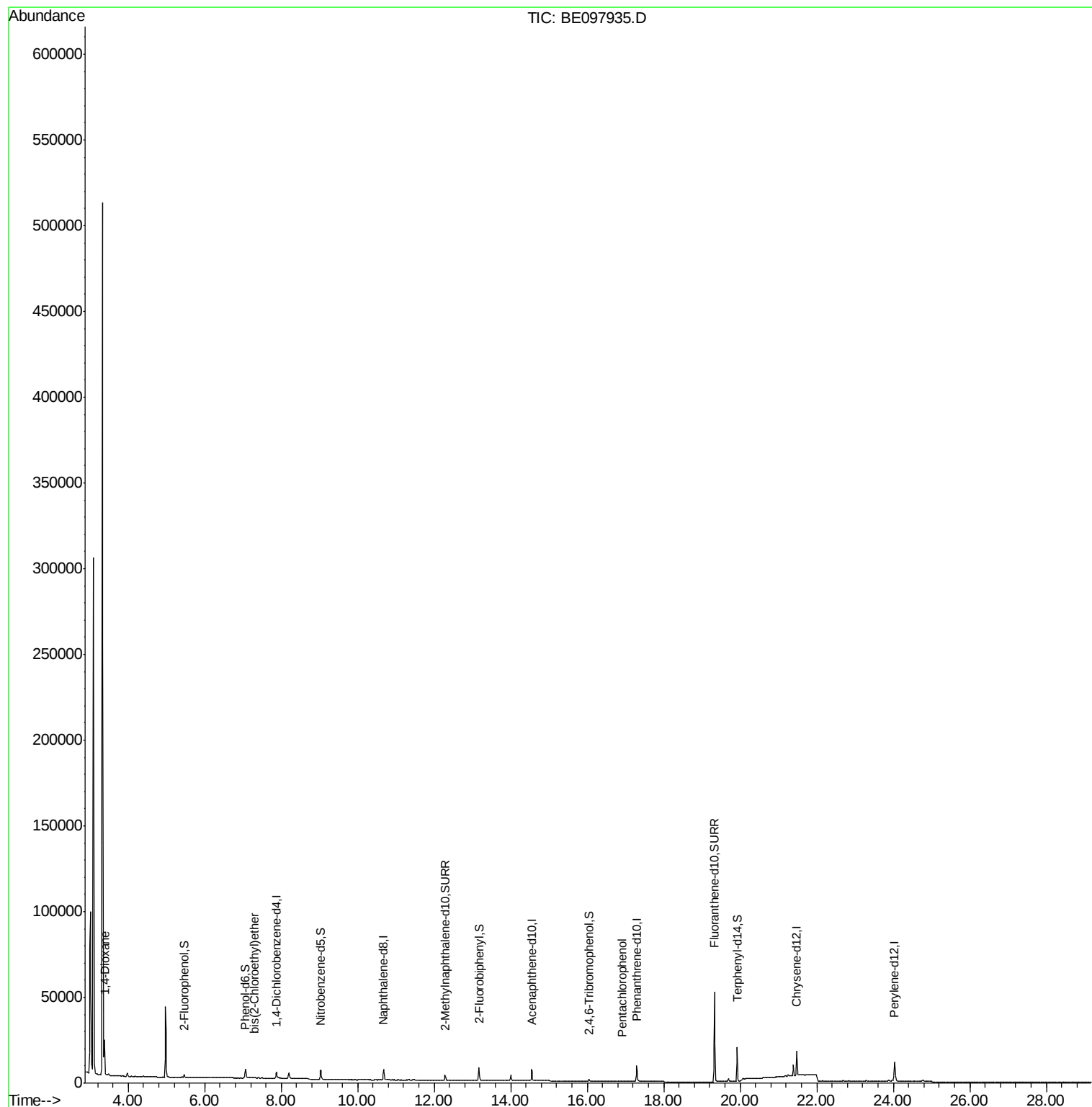
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1810	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	7424	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	4640	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	12445	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	15863	0.40	ng	-0.01
34) Perylene-d12	24.03	264	16531	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1016	0.18	ng	0.00
5) Phenol-d6	7.05	99	880	0.10	ng	0.00
8) Nitrobenzene-d5	9.03	82	2802	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	4691	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	16.05	330	775	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	8905	0.47	ng	0.00
25) Fluoranthene-d10	19.33	212	66852	0.40	ng	0.00
29) Terphenyl-d14	19.92	244	18188	0.50	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	10959	3.473	ng	94
6) bis(2-Chloroethyl)ether	7.30	93	174	0.024	ng	# 90
22) Pentachlorophenol	16.92	266	10	0.036	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.39	149	8090	Below Cal		99
33) Indeno(1,2,3-cd)pyrene	26.74	276	7	Below Cal	#	30

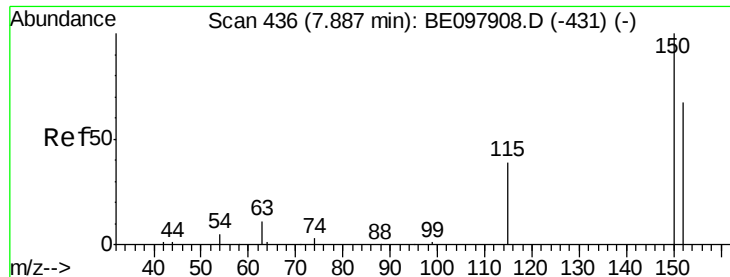
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. -0.00 min

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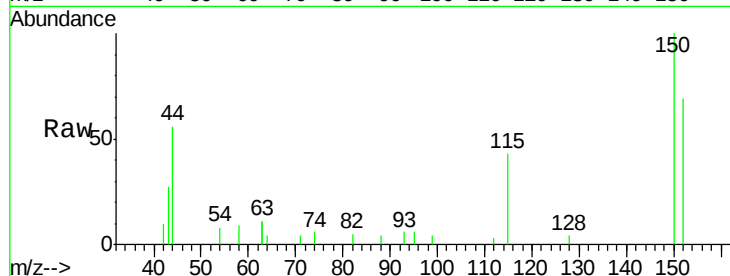
Tgt Ion:152 Resp: 1810

Ion Ratio Lower Upper

152 100

150 143.9 118.2 177.4

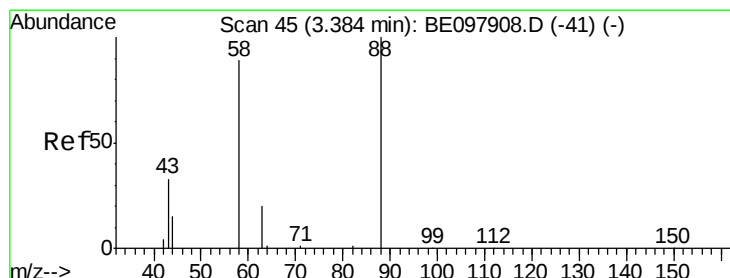
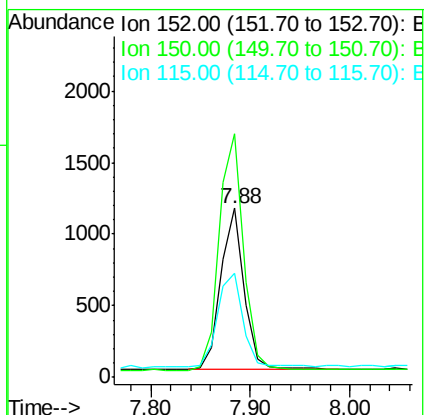
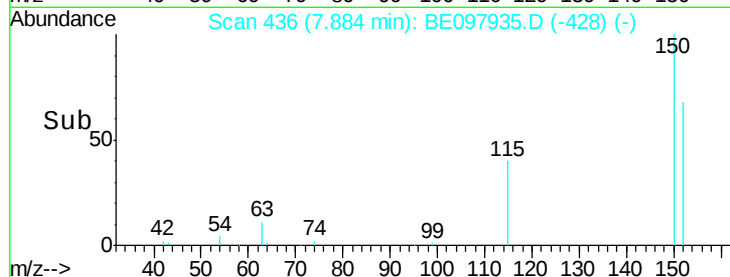
115 61.7 50.9 76.3



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: 3.473 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

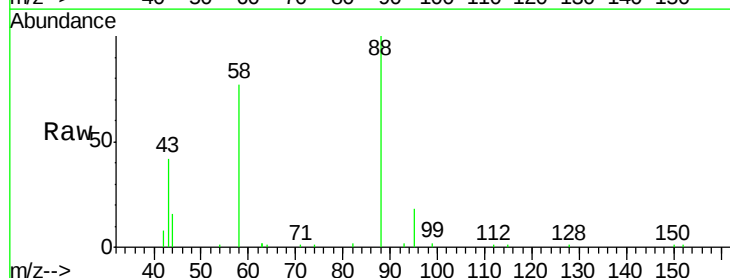
Tgt Ion: 88 Resp: 10959

Ion Ratio Lower Upper

88 100

58 87.3 73.2 109.8

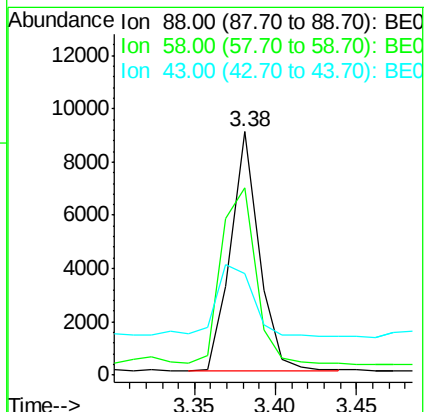
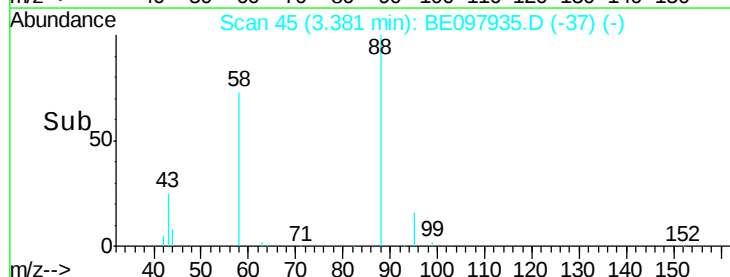
43 39.1 36.9 55.3

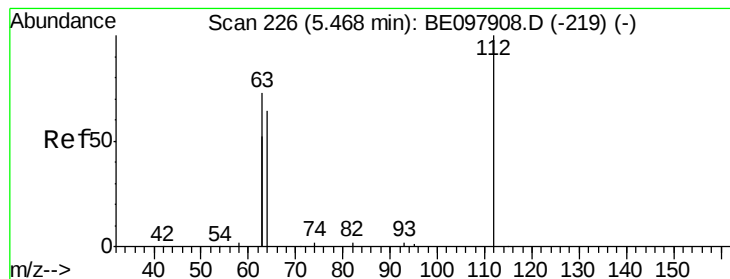


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.178 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

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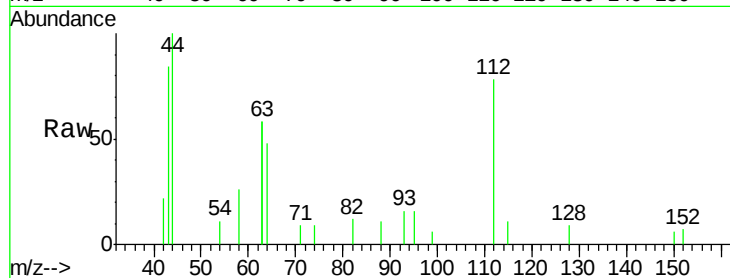
Tgt Ion: 112 Resp: 1016

Ion Ratio Lower Upper

112 100

64 74.9 58.9 88.3

63 152.7 120.3 180.5



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

1500

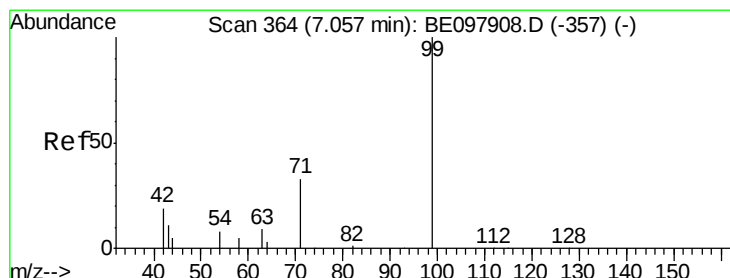
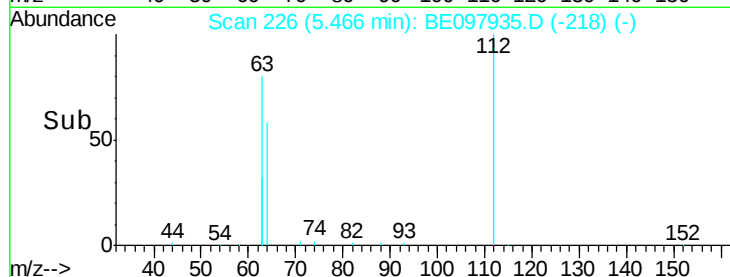
1000

500

0

5.40 5.50 5.60

Time-->



#5

Phenol-d6

Concen: 0.104 ng

RT: 7.05 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

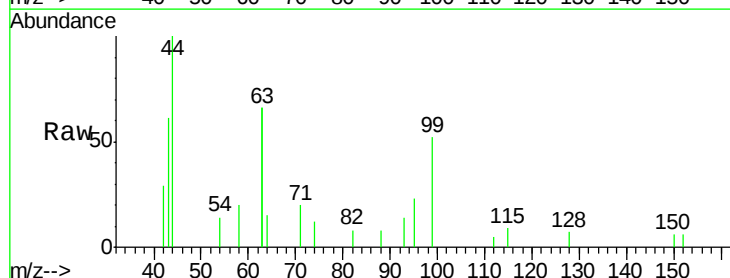
Tgt Ion: 99 Resp: 880

Ion Ratio Lower Upper

99 100

42 55.3 19.9 29.9#

71 0.0 27.8 41.8#



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

600

500

400

300

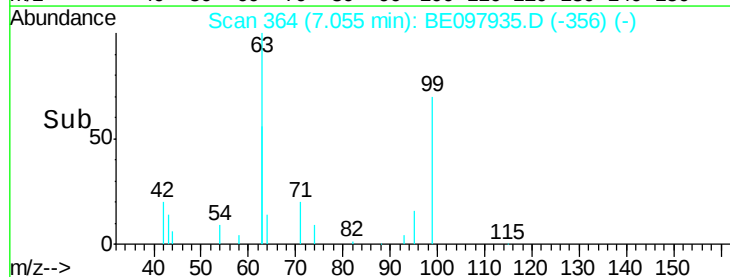
200

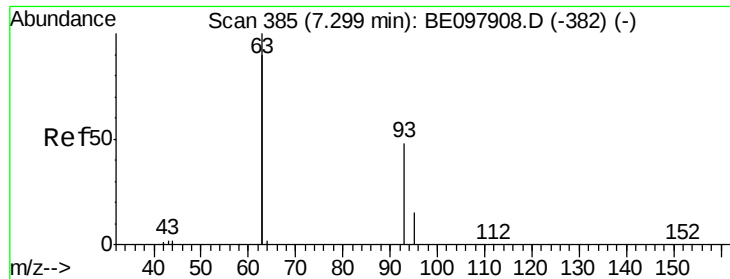
100

0

6.90 7.00 7.10

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

Instrument :

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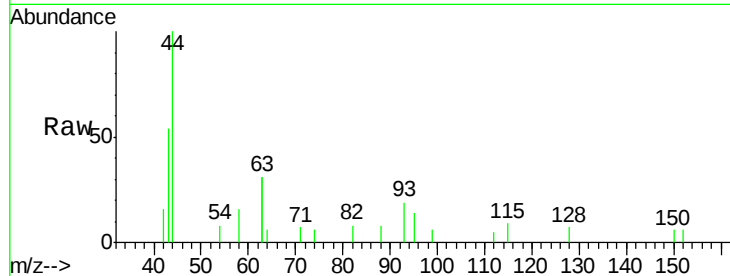
Tgt Ion: 93 Resp: 174

Ion Ratio Lower Upper

93 100

63 310.3 259.0 388.4

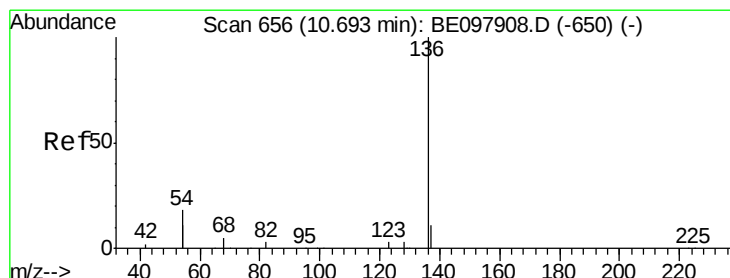
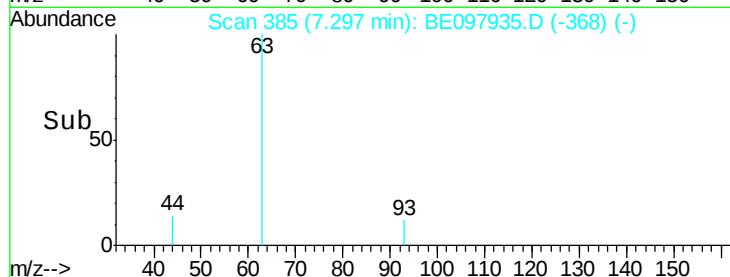
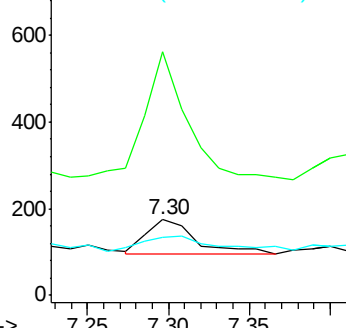
95 59.8 27.8 41.8#



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: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

Tgt Ion: 136 Resp: 7424

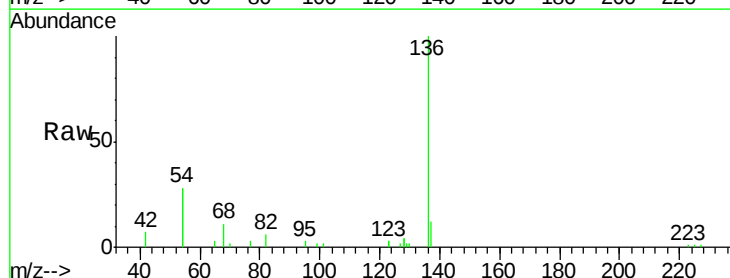
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 56.5 27.7 41.5#

68 10.7 5.3 7.9#

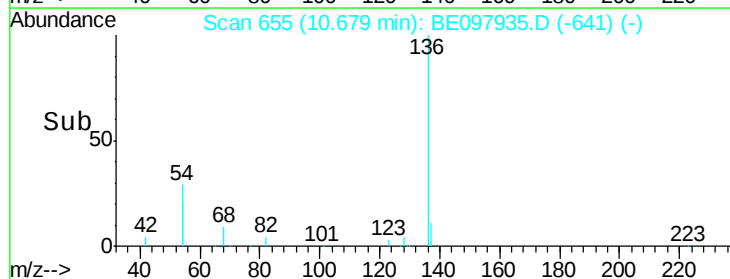
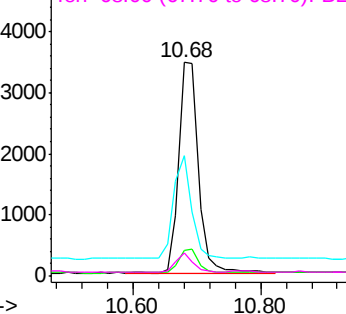


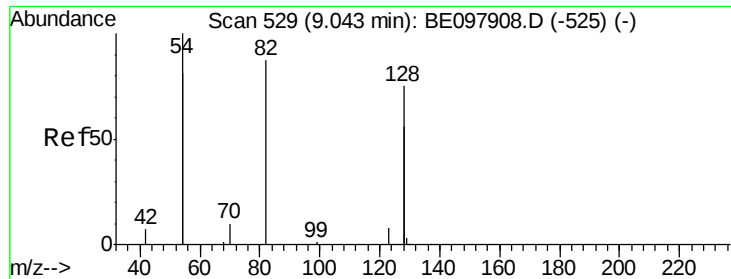
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.399 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

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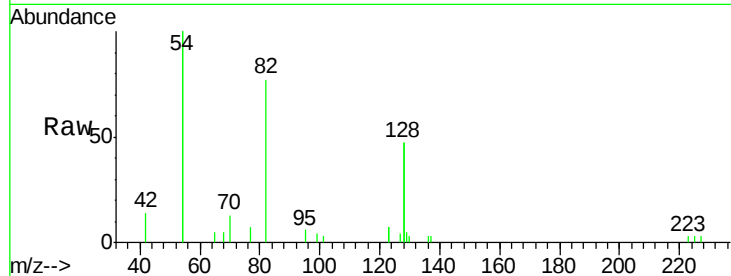
Tgt Ion: 82 Resp: 2802

Ion Ratio Lower Upper

82 100

128 121.8 129.9 194.9#

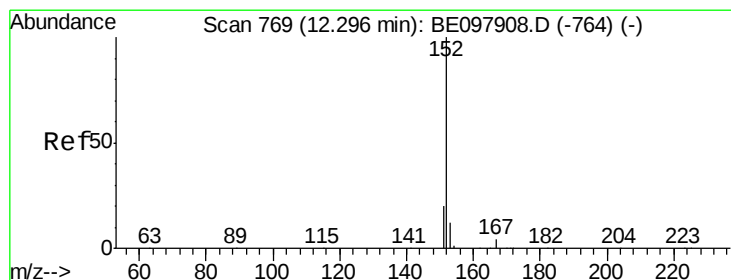
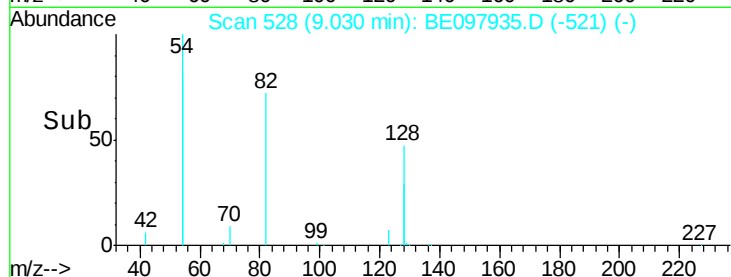
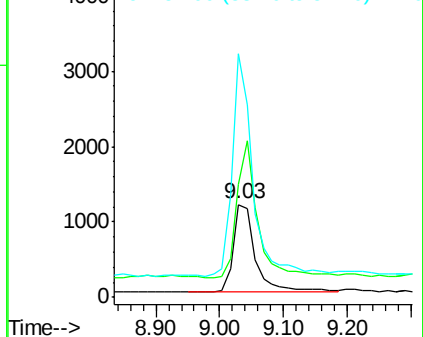
54 261.3 174.0 261.0#



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



#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097935.D

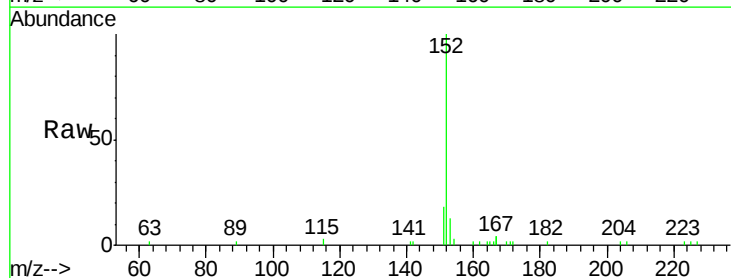
Acq: 17 Oct 2018 7:15

Tgt Ion: 152 Resp: 4691

Ion Ratio Lower Upper

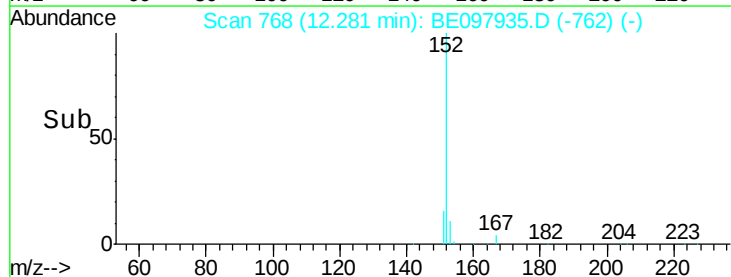
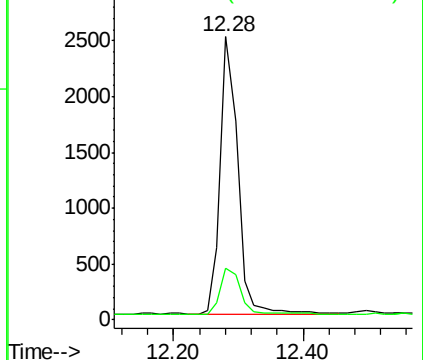
152 100

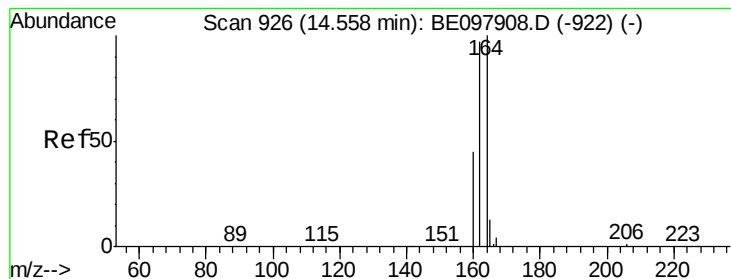
151 20.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE097935.D

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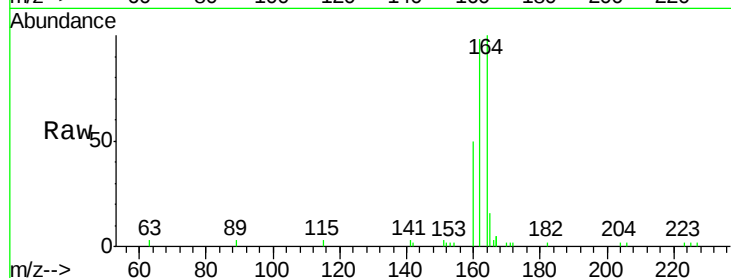
Tgt Ion:164 Resp: 4640

Ion Ratio Lower Upper

164 100

162 97.8 77.4 116.2

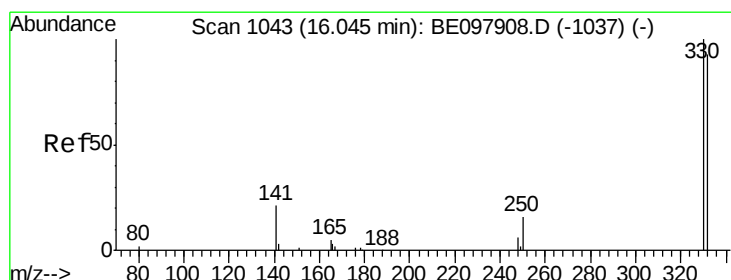
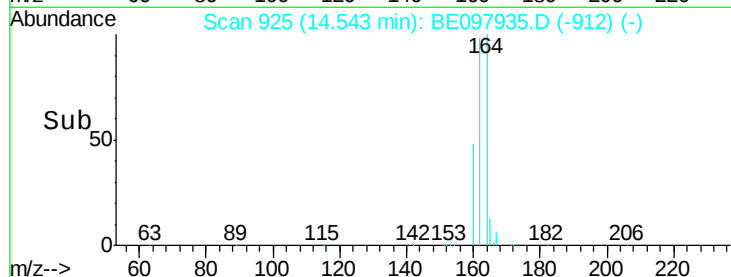
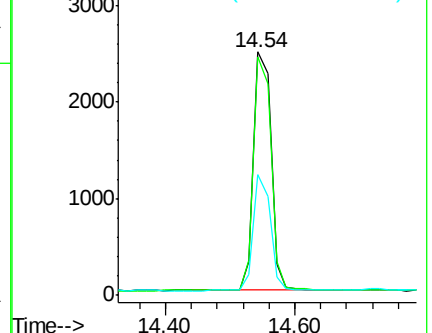
160 49.6 36.5 54.7



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: 0.311 ng

RT: 16.05 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

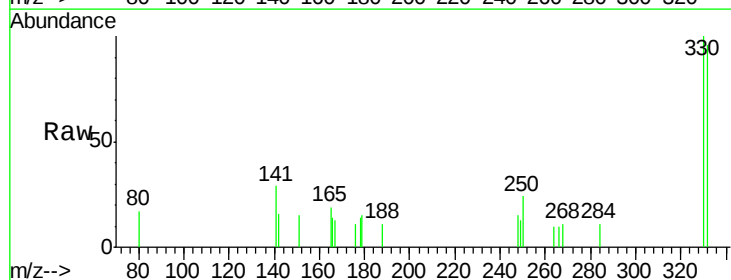
Tgt Ion:330 Resp: 775

Ion Ratio Lower Upper

330 100

332 93.9 76.5 114.7

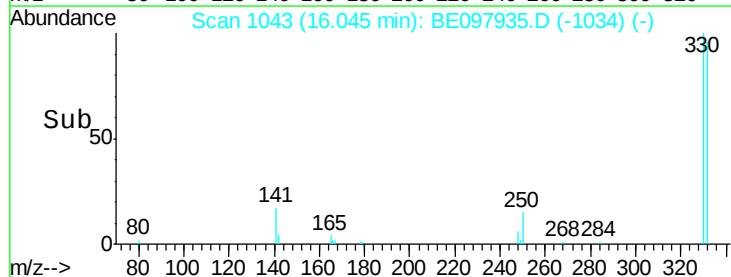
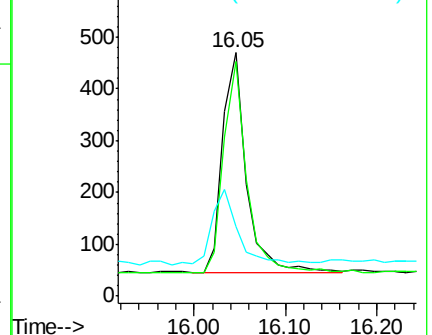
141 37.3 31.8 47.6

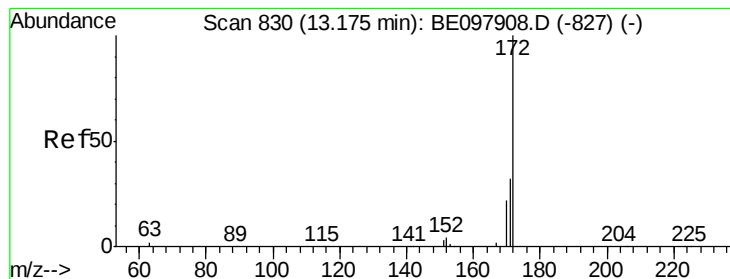


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.470 ng

RT: 13.17 min Scan# 830

Delta R.T. -0.00 min

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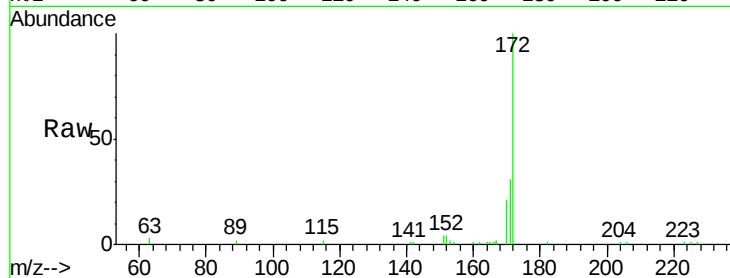
Tgt Ion:172 Resp: 8905

Ion Ratio Lower Upper

172 100

171 31.5 26.0 39.0

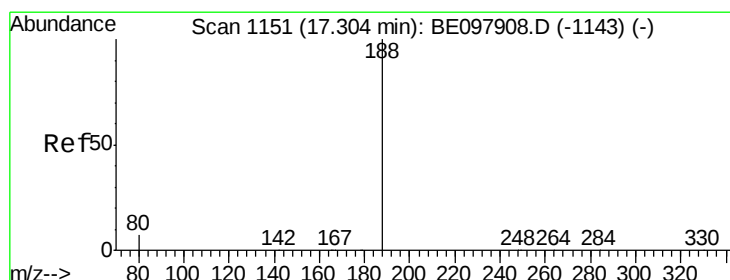
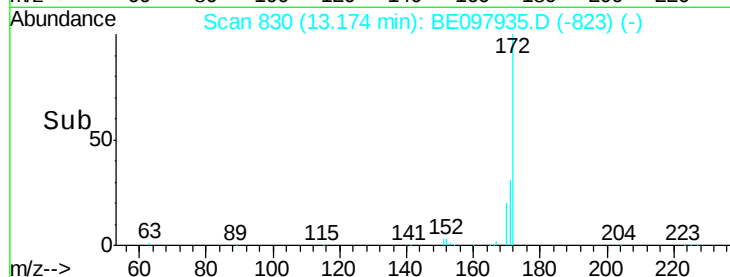
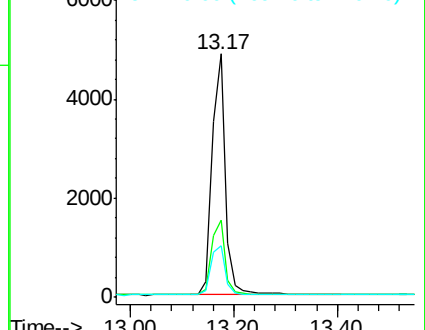
170 21.1 18.0 27.0



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

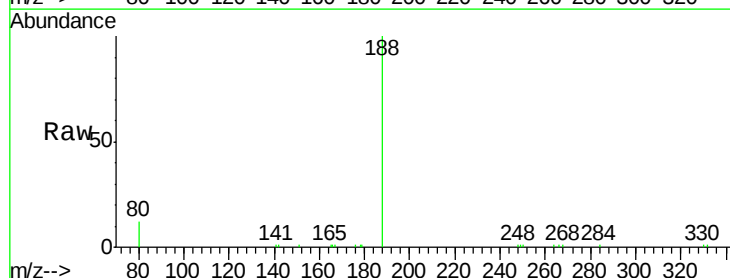
Tgt Ion:188 Resp: 12445

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

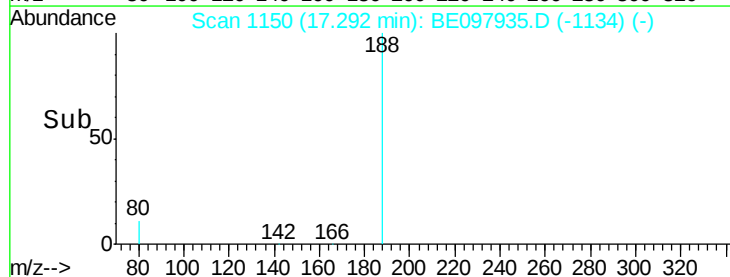
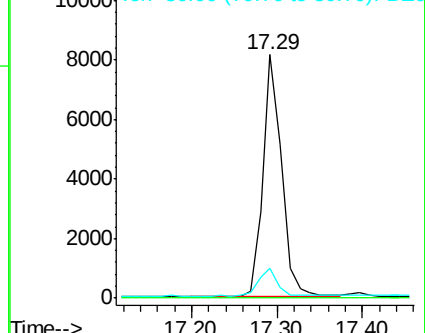
80 12.1 6.3 9.5#

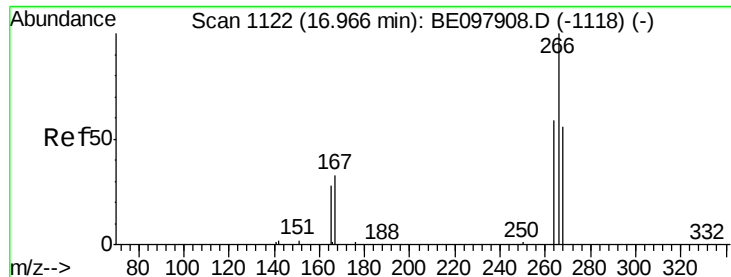


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

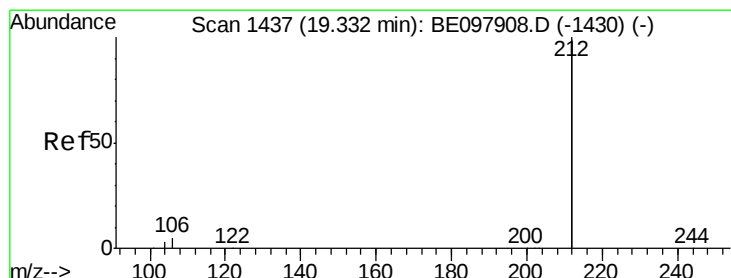
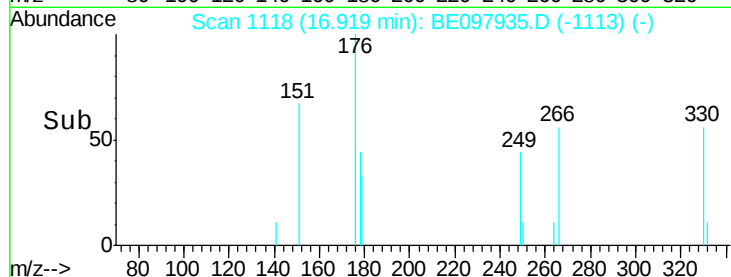
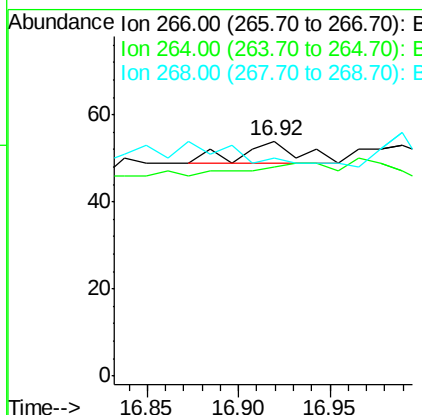
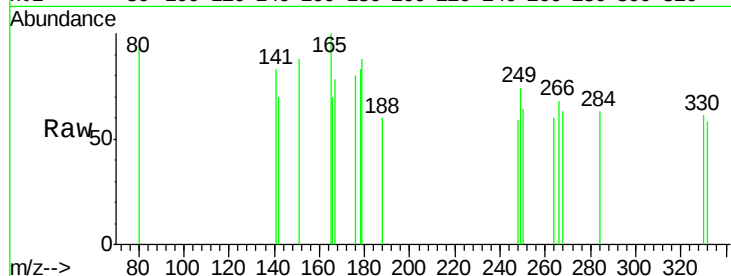




#22
 Pentachlorophenol
 Concen: 0.036 ng
 RT: 16.92 min Scan# 1118
 Delta R.T. -0.05 min
 Lab File: BE097935.D
 Acq: 17 Oct 2018 7:15

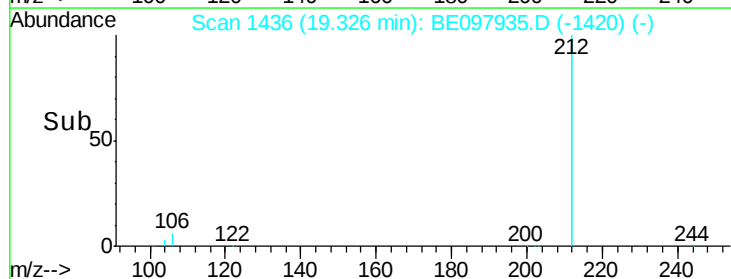
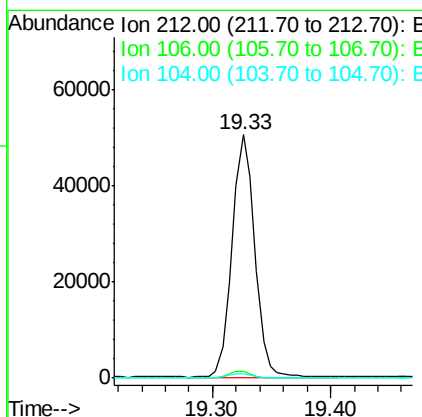
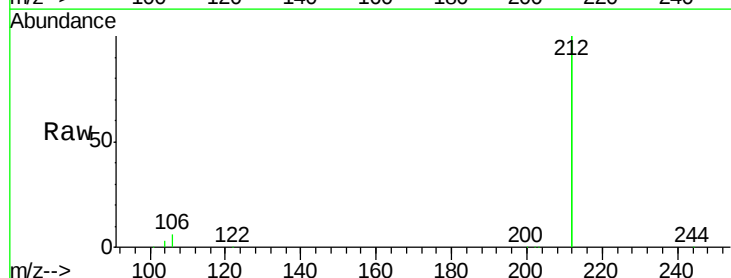
Instrument :
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 ClientSampleId :
 RE-122D1-IMP-20181004

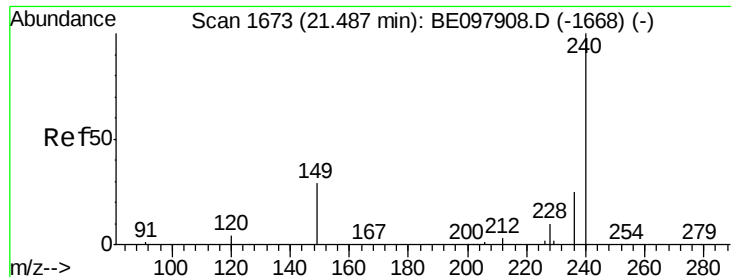
Tgt Ion: 266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 88.9 51.3 76.9#
 268 92.6 50.1 75.1#



#25
 Fluoranthene-d10
 Concen: 0.396 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE097935.D
 Acq: 17 Oct 2018 7:15

Tgt Ion: 212 Resp: 66852
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.3 3.5
 104 1.6 1.3 1.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

Instrument :

BNA_E

ClientSampleId :

RE-122D1-IMP-20181004

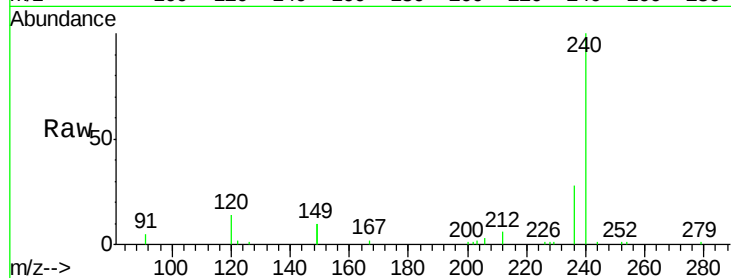
Tgt Ion:240 Resp: 15863

Ion Ratio Lower Upper

240 100

120 13.7 7.1 10.7#

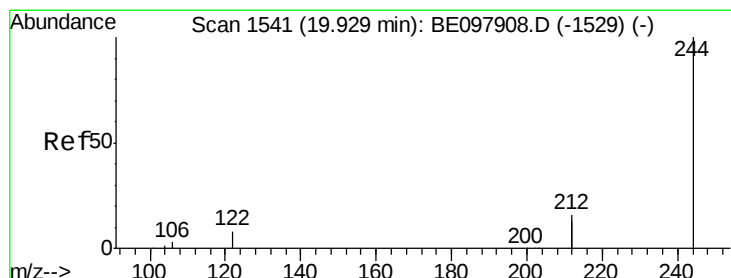
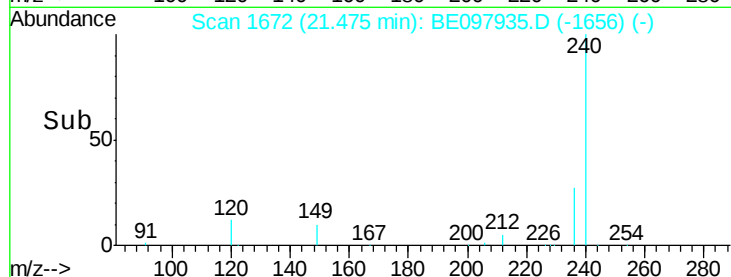
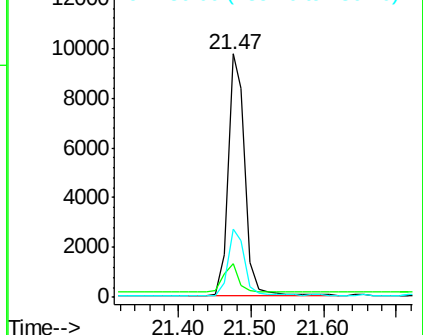
236 28.1 21.3 31.9



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: 0.500 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

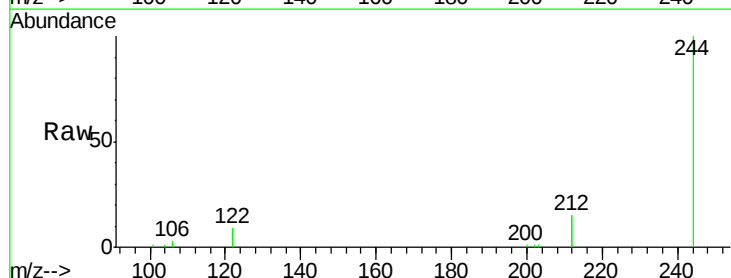
Tgt Ion:244 Resp: 18188

Ion Ratio Lower Upper

244 100

212 30.0 26.2 39.2

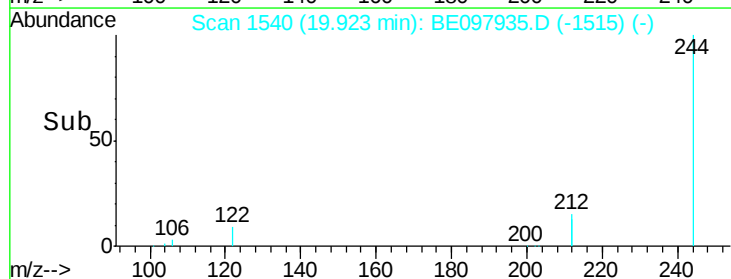
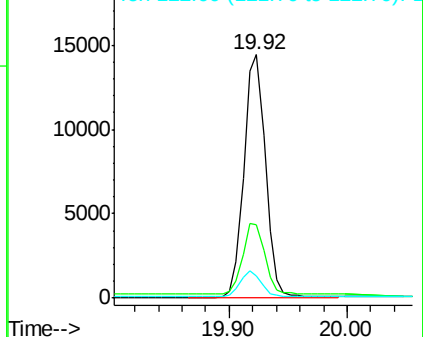
122 9.2 7.7 11.5

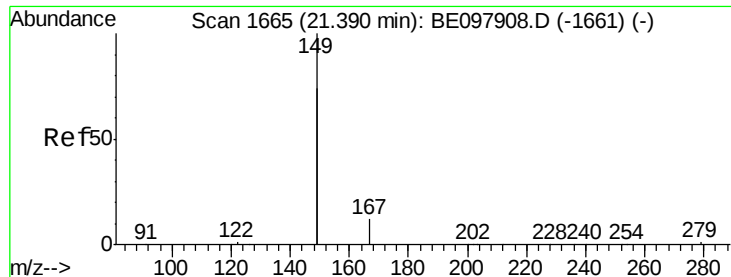


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.39 min Scan# 1665

Delta R.T. 0.00 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

Instrument :

BNA_E

ClientSampleId :

RE-122D1-IMP-20181004

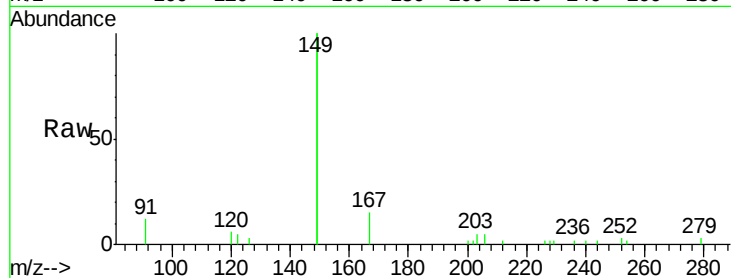
Tgt Ion:149 Resp: 8090

Ion Ratio Lower Upper

149 100

167 6.7 5.6 8.4

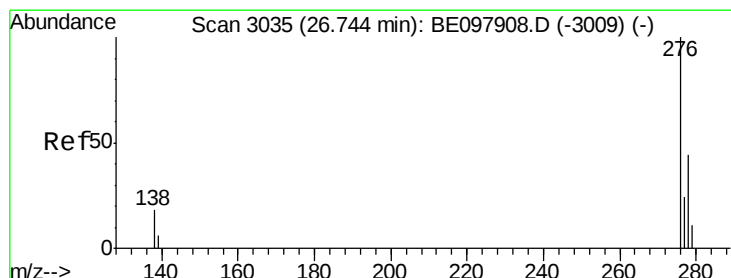
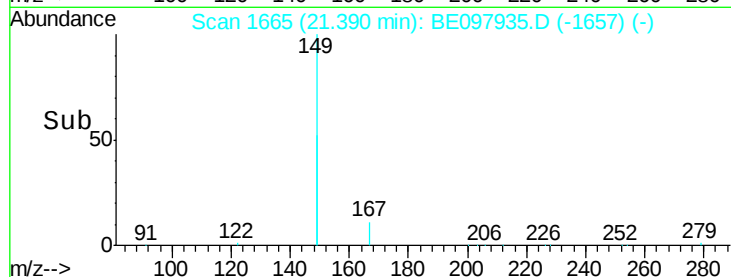
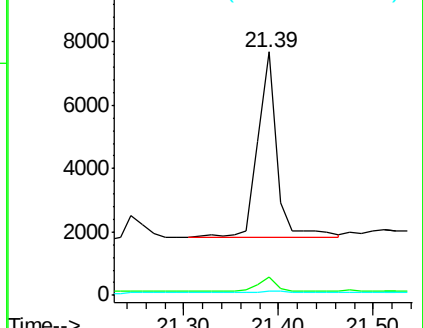
279 1.1 0.9 1.3



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



#33

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 26.74 min Scan# 3035

Delta R.T. 0.00 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

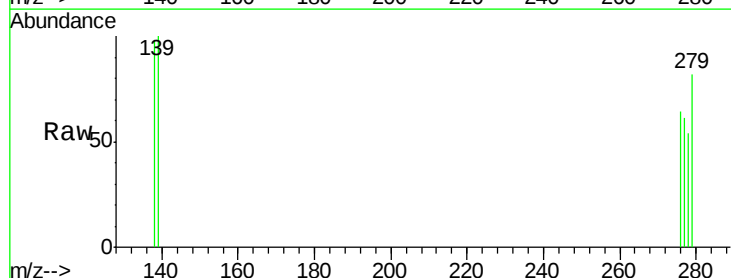
Tgt Ion:276 Resp: 7

Ion Ratio Lower Upper

276 100

138 0.0 17.0 25.6#

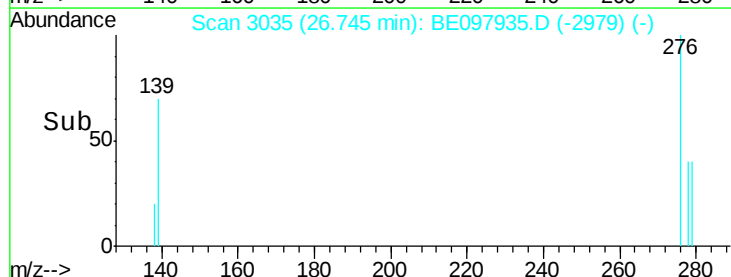
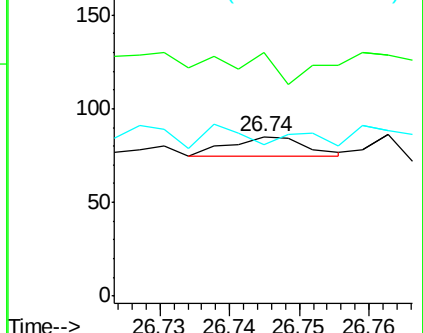
277 71.4 20.5 30.7#

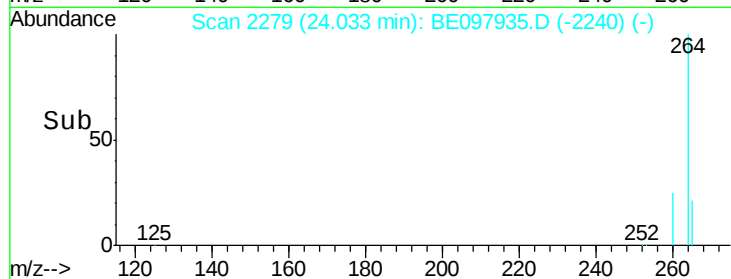
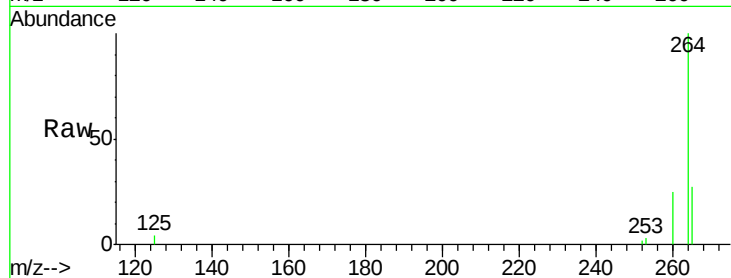
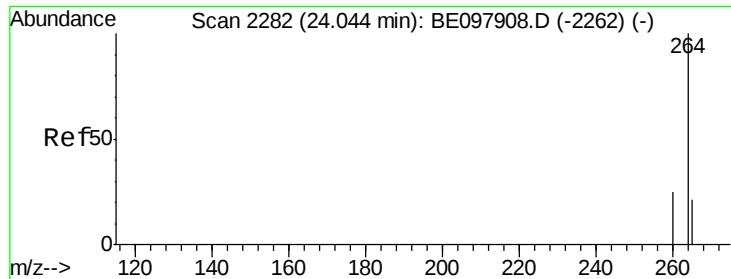


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE097935.D

Acq: 17 Oct 2018 7:15

Instrument :

BNA_E

ClientSampleId :

RE-122D1-IMP-20181004

Tgt Ion: 264 Resp: 16531

Ion Ratio Lower Upper

264 100

260 25.4 21.1 31.7

265 27.0 29.2 43.8#

