

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE101618\
 Data File : BE097937.D
 Acq On : 17 Oct 2018 8:27
 Operator : SJ/JU
 Sample : J5317-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-108D1-20181004

Quant Time: Oct 17 16:50:18 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

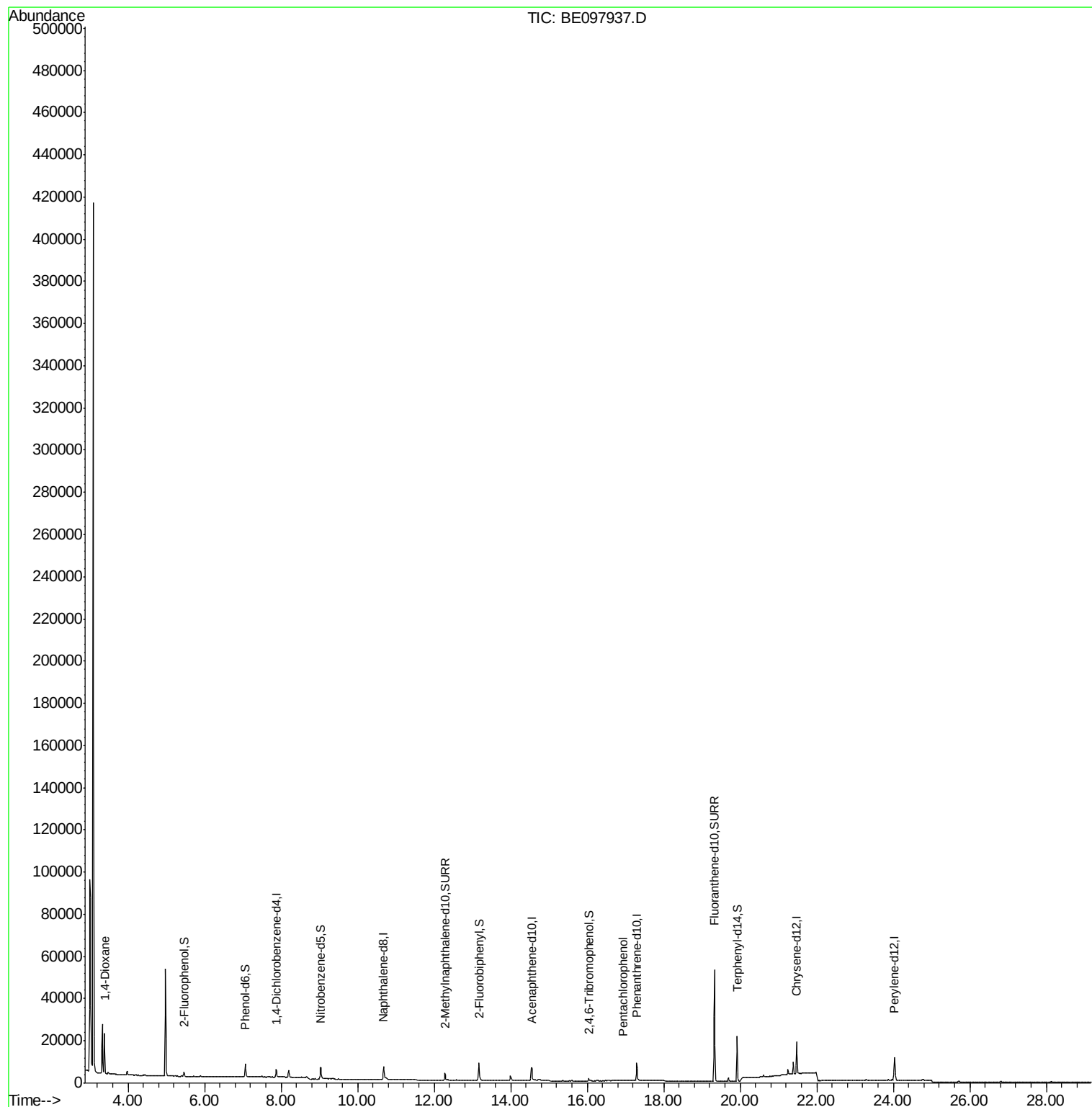
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1708	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	7072	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	4455	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	12121	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	16219	0.40	ng	-0.01
34) Perylene-d12	24.03	264	16799	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1082	0.20	ng	-0.01
5) Phenol-d6	7.05	99	965	0.12	ng	-0.01
8) Nitrobenzene-d5	9.03	82	2805	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	4688	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	762	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	9101	0.50	ng	0.00
25) Fluoranthene-d10	19.33	212	71006	0.43	ng	0.00
29) Terphenyl-d14	19.92	244	18983	0.51	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.38	88	10932	3.671	ng	Qvalue 93
22) Pentachlorophenol	16.93	266	8	0.035	ng	# 59
32) Bis(2-ethylhexyl)phthalate	21.39	149	7316	Below Cal	#	98
33) Indeno(1,2,3-cd)pyrene	26.72	276	12	Below Cal	#	62

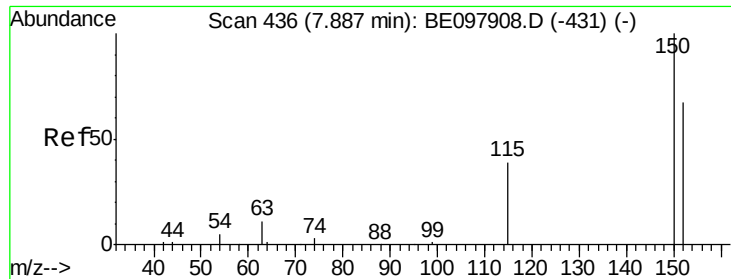
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. -0.01 min

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Instrument :

BNA_E

ClientSampleId :

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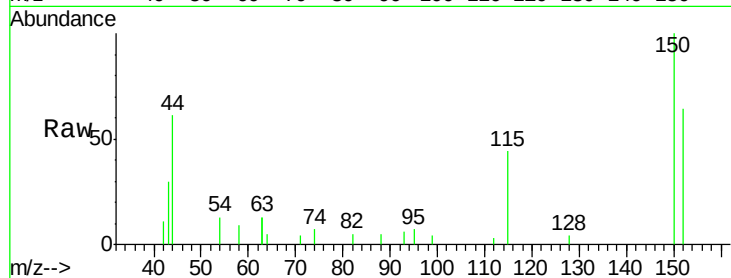
Tgt Ion:152 Resp: 1708

Ion Ratio Lower Upper

152 100

150 157.4 118.2 177.4

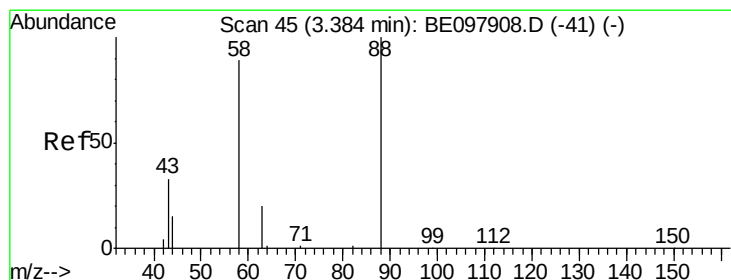
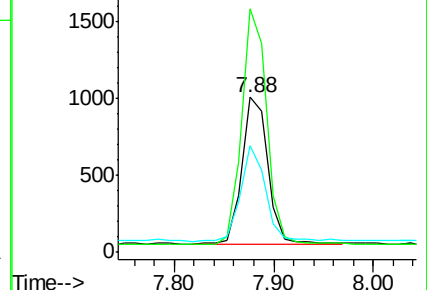
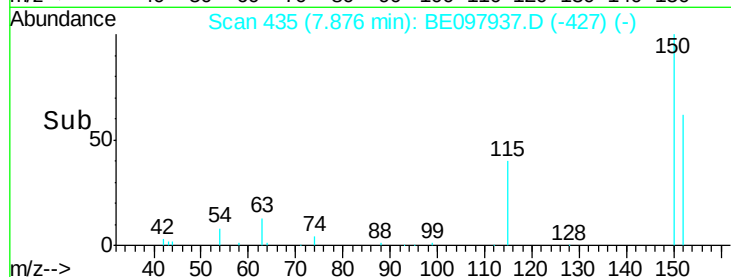
115 69.2 50.9 76.3



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: 3.671 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

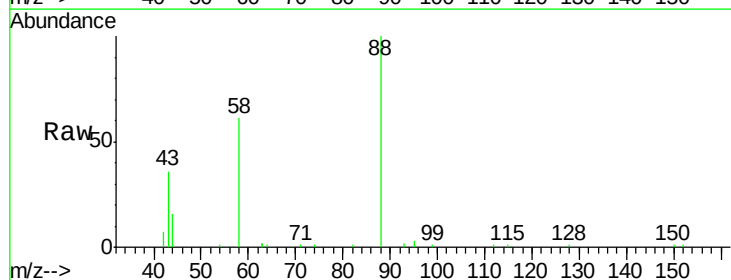
Tgt Ion: 88 Resp: 10932

Ion Ratio Lower Upper

88 100

58 87.1 73.2 109.8

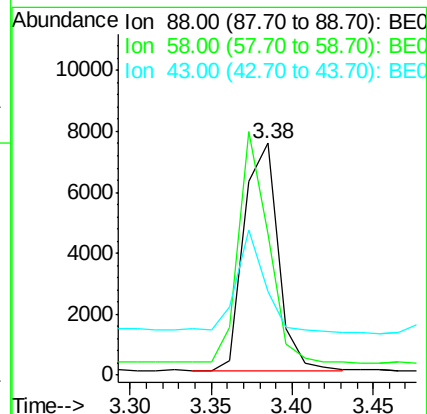
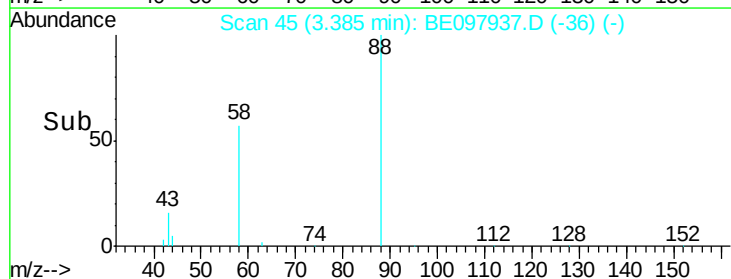
43 38.0 36.9 55.3

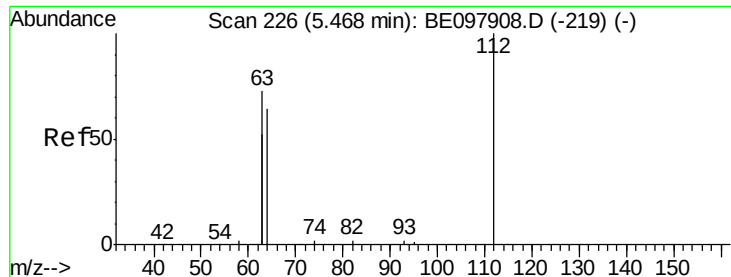


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.201 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

Instrument :

BNA_E

ClientSampleId :

RE-108D1-20181004

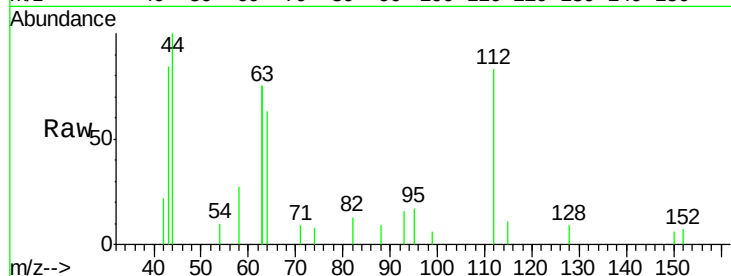
Tgt Ion: 112 Resp: 1082

Ion Ratio Lower Upper

112 100

64 72.7 58.9 88.3

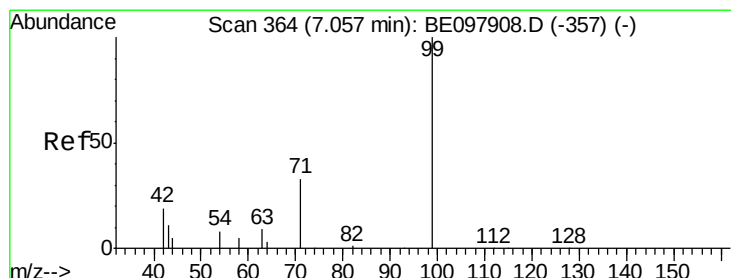
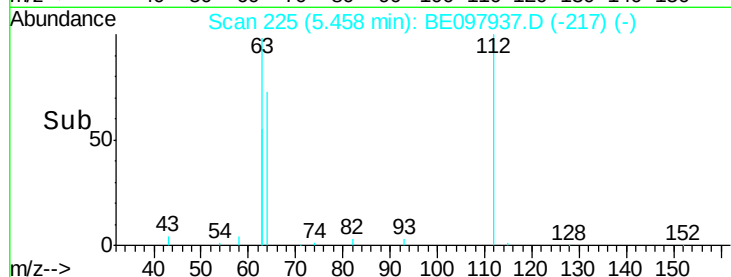
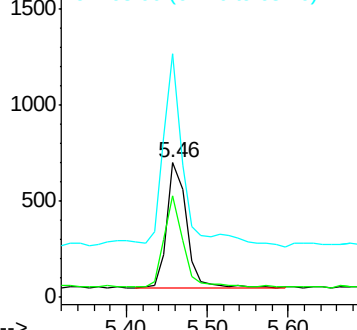
63 133.6 120.3 180.5



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



#5

Phenol-d6

Concen: 0.121 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

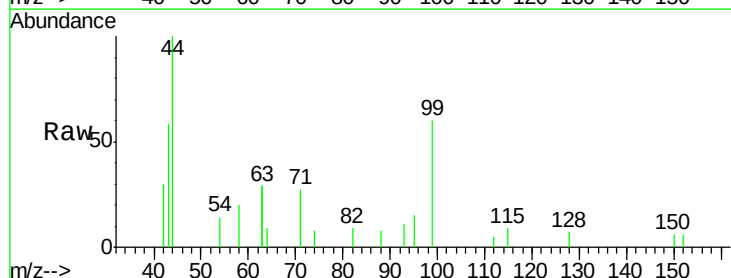
Tgt Ion: 99 Resp: 965

Ion Ratio Lower Upper

99 100

42 0.0 19.9 29.9#

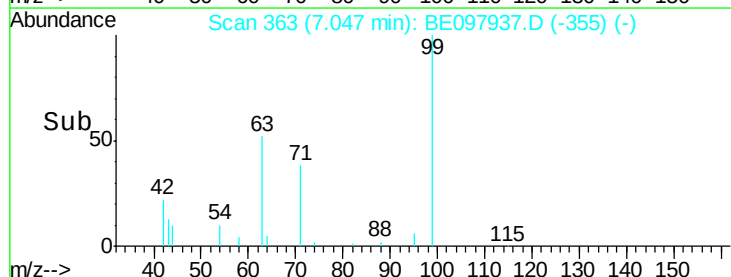
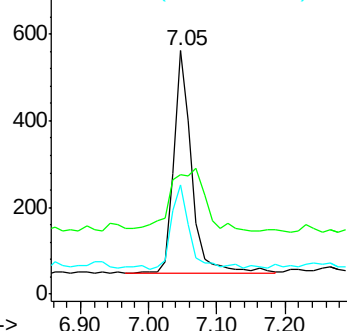
71 37.4 27.8 41.8

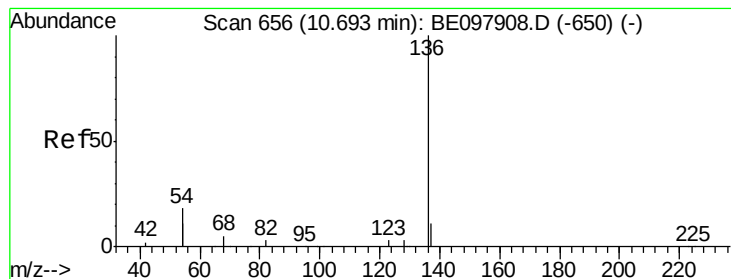


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

Instrument :

BNA_E

ClientSampleId :

RE-108D1-20181004

Tgt Ion: 136 Resp: 7072

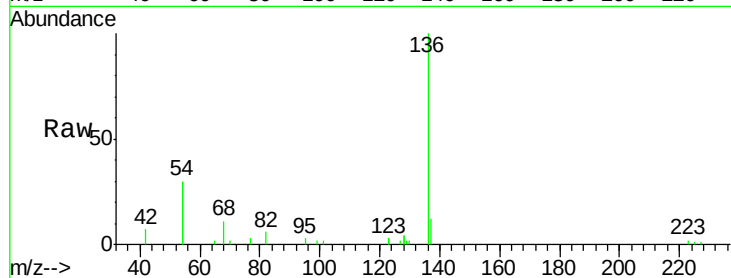
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 60.5 27.7 41.5#

68 11.2 5.3 7.9#



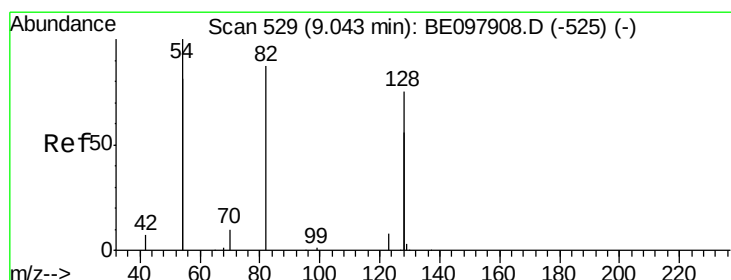
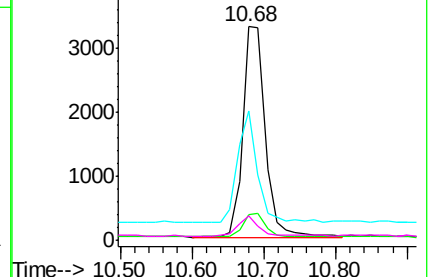
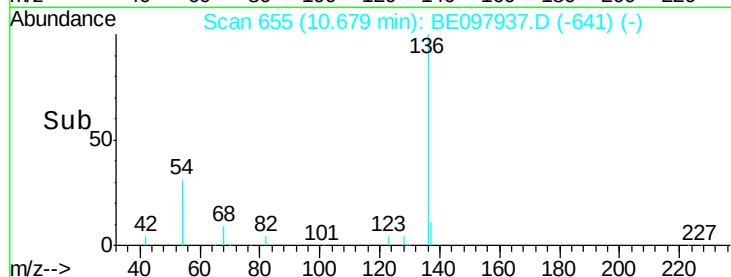
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time--> 10.50 10.60 10.70 10.80



#8

Nitrobenzene-d5

Concen: 0.419 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

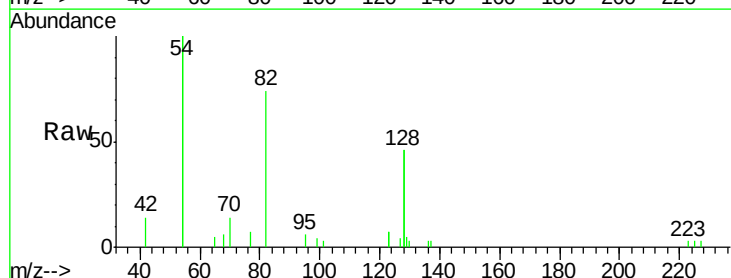
Tgt Ion: 82 Resp: 2805

Ion Ratio Lower Upper

82 100

128 124.4 129.9 194.9#

54 270.7 174.0 261.0#

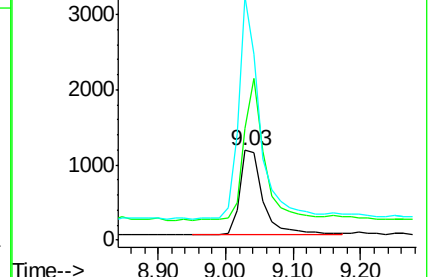
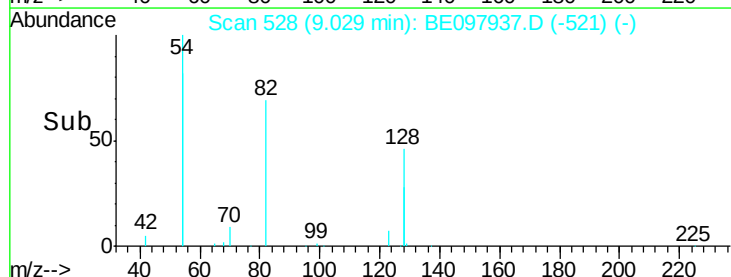


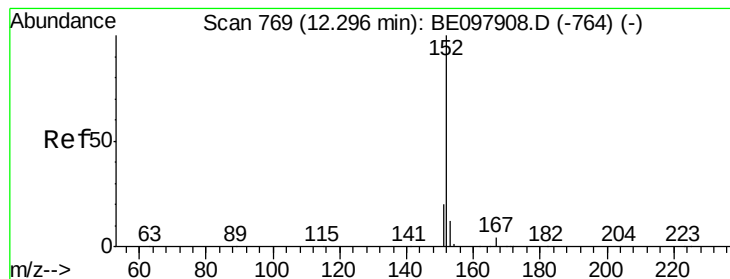
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time--> 8.90 9.00 9.10 9.20





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

Instrument :

BNA_E

ClientSampleId :

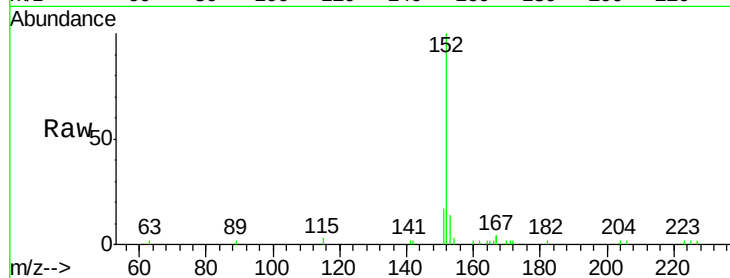
RE-108D1-20181004

Tgt Ion:152 Resp: 4688

Ion Ratio Lower Upper

152 100

151 18.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2500

2000

1500

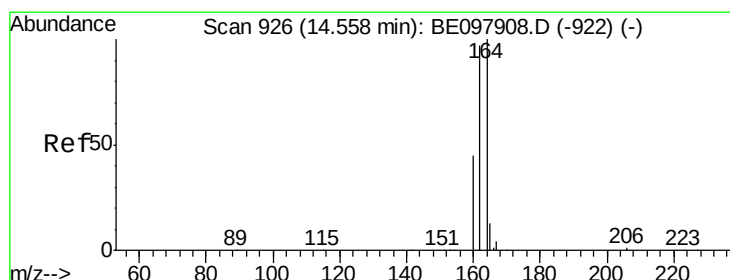
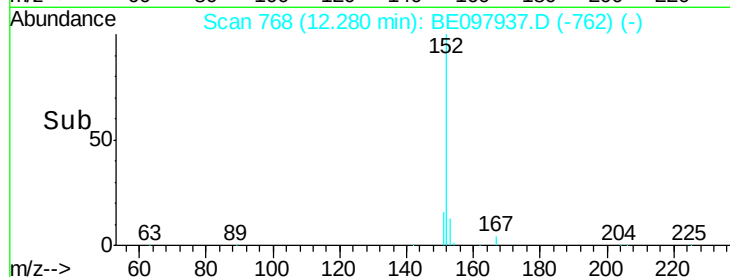
1000

500

0

Time-->

12.20 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.02 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

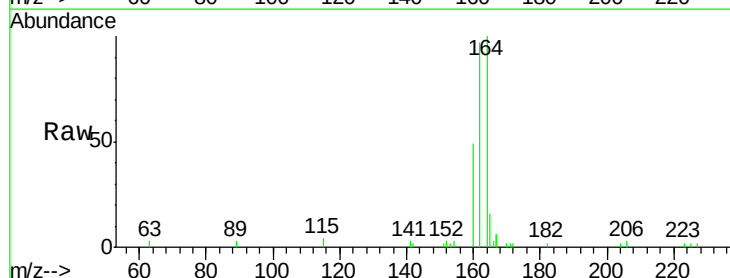
Tgt Ion:164 Resp: 4455

Ion Ratio Lower Upper

164 100

162 97.0 77.4 116.2

160 49.3 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

14.54

3000

2500

2000

1500

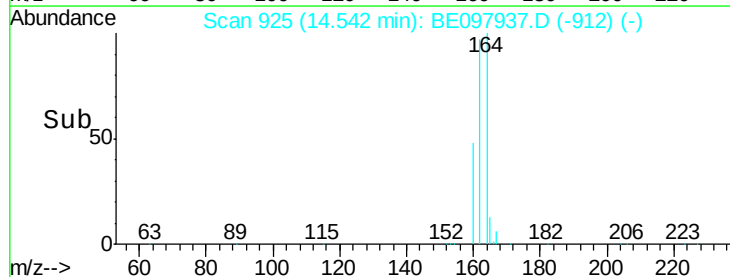
1000

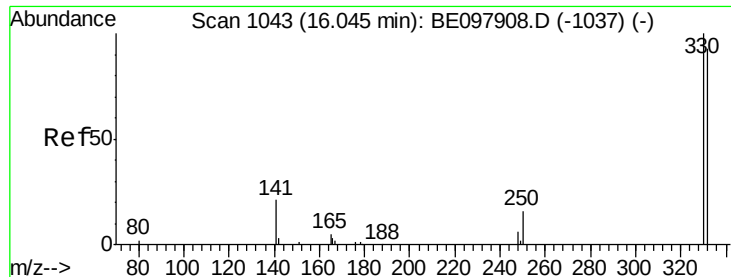
500

0

Time-->

14.40 14.50 14.60 14.70

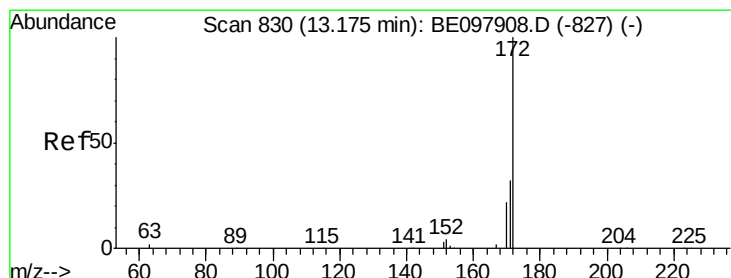
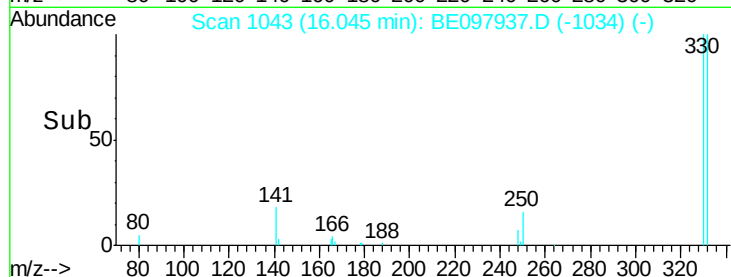
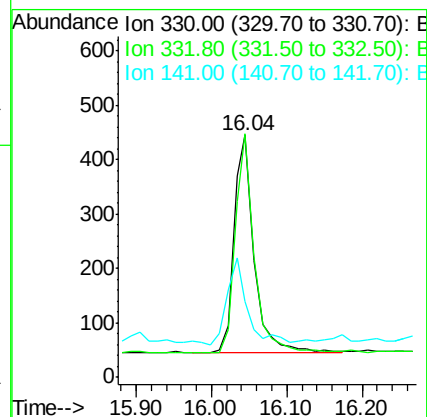
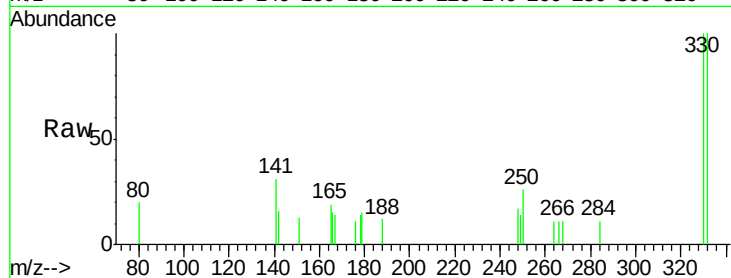




#14
 2,4,6-Tribromophenol
 Concen: 0.318 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097937.D
 Acq: 17 Oct 2018 8:27

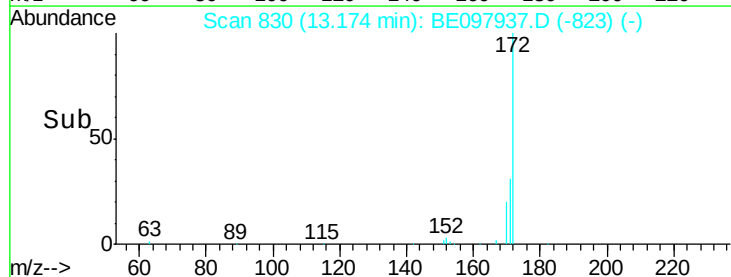
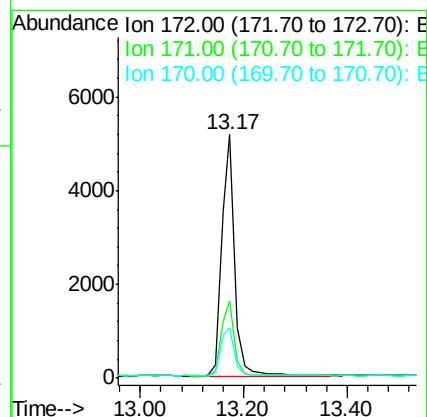
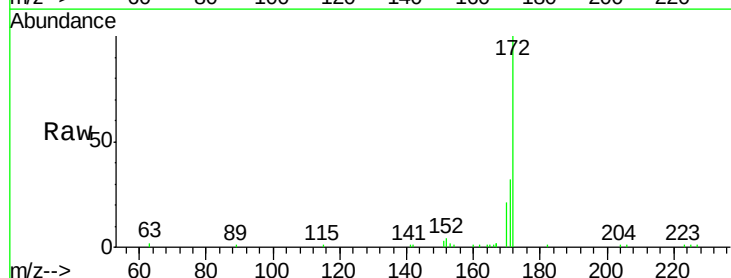
Instrument :
 BNA_E
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 RE-108D1-20181004

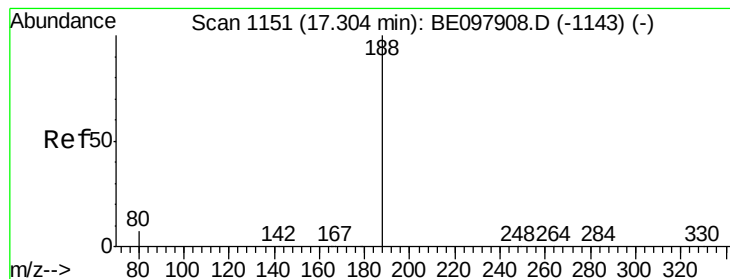
Tgt Ion: 330 Resp: 762
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.5 114.7
 141 36.4 31.8 47.6



#15
 2-Fluorobiphenyl
 Concen: 0.500 ng
 RT: 13.17 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BE097937.D
 Acq: 17 Oct 2018 8:27

Tgt Ion: 172 Resp: 9101
 Ion Ratio Lower Upper
 172 100
 171 31.6 26.0 39.0
 170 20.7 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

Instrument :

BNA_E

ClientSampleId :

RE-108D1-20181004

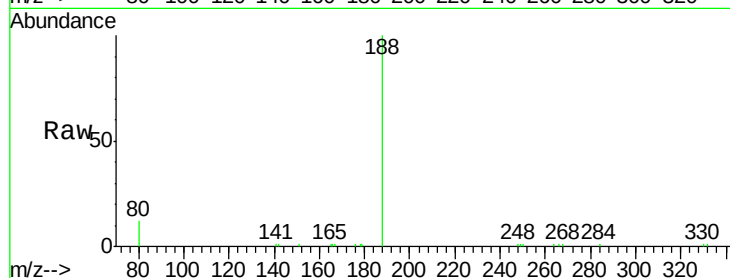
Tgt Ion:188 Resp: 12121

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

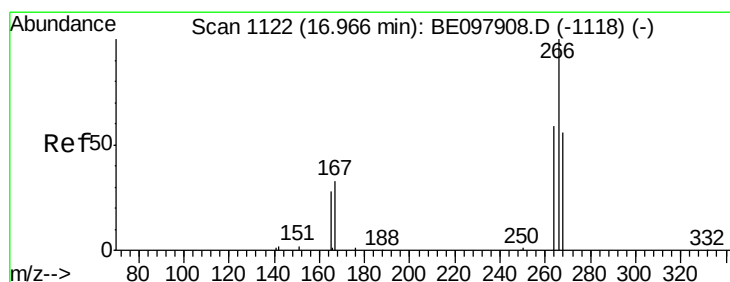
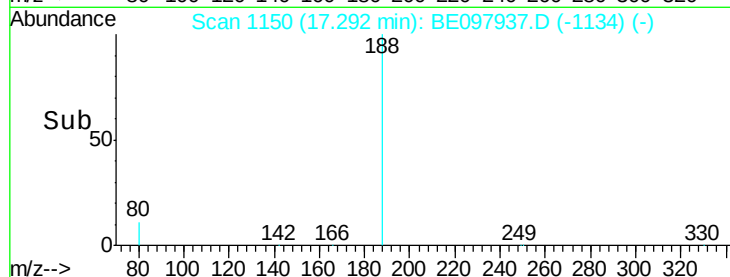
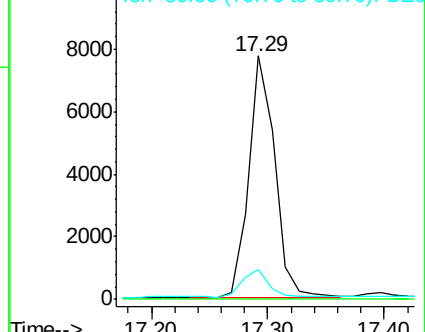
80 12.2 6.3 9.5#



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: 0.035 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.03 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

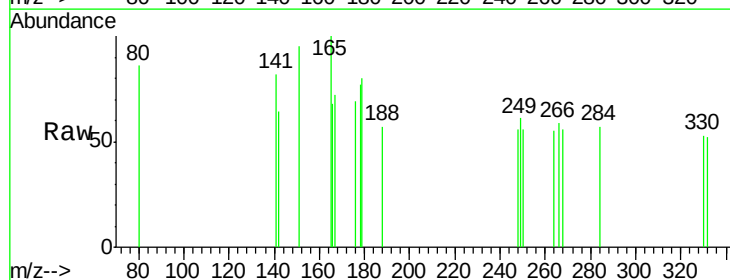
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 94.1 51.3 76.9#

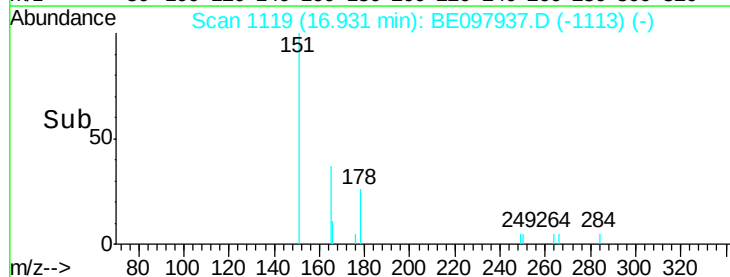
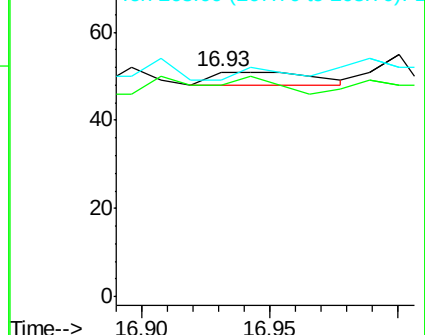
268 96.1 50.1 75.1#

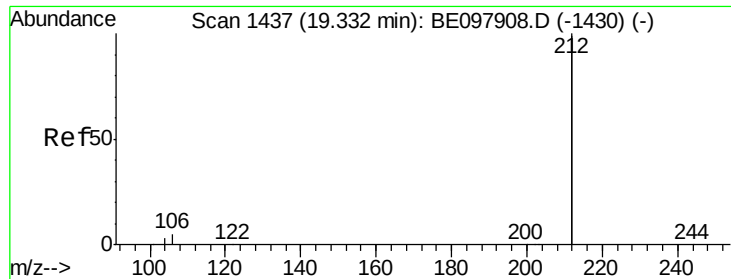


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

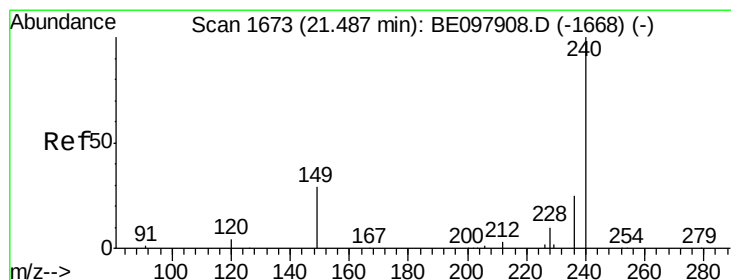
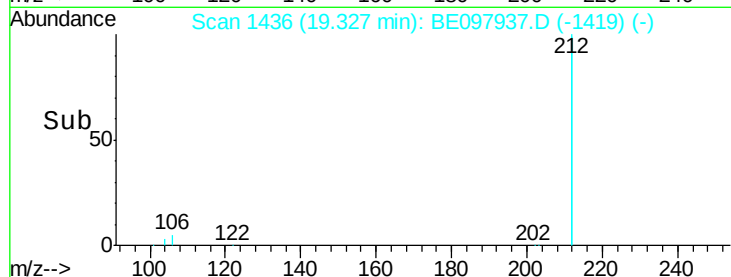
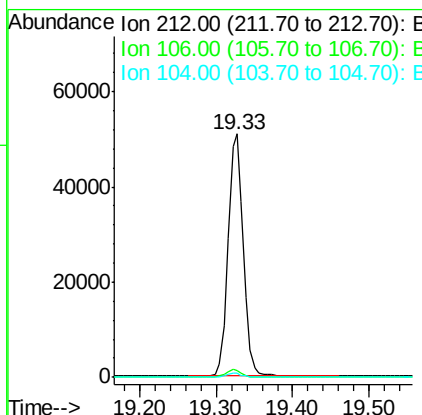
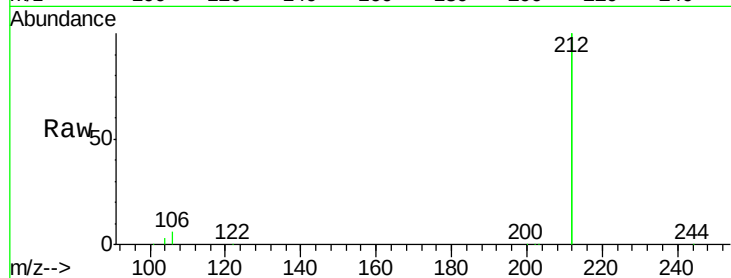




#25
 Fluoranthene-d10
 Concen: 0.432 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE097937.D
 Acq: 17 Oct 2018 8:27

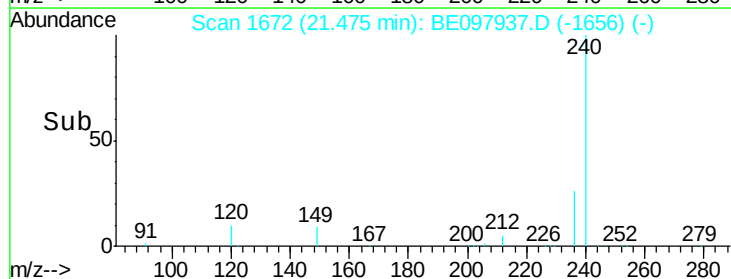
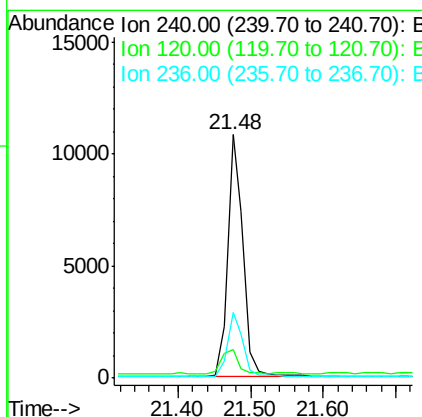
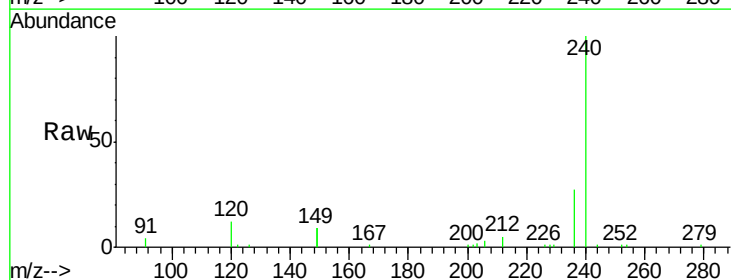
Instrument :
 BNA_E
 ClientSampleId :
 RE-108D1-20181004

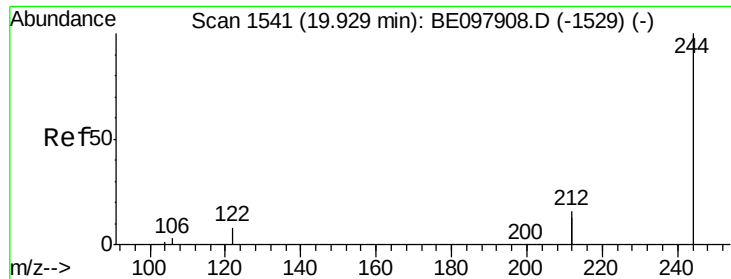
Tgt Ion:212 Resp: 71006
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.3 3.5
 104 1.6 1.3 1.9



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.48 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097937.D
 Acq: 17 Oct 2018 8:27

Tgt Ion:240 Resp: 16219
 Ion Ratio Lower Upper
 240 100
 120 11.7 7.1 10.7#
 236 27.1 21.3 31.9





#29

Terphenyl-d14

Concen: 0.511 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

Instrument :

BNA_E

ClientSampleId :

RE-108D1-20181004

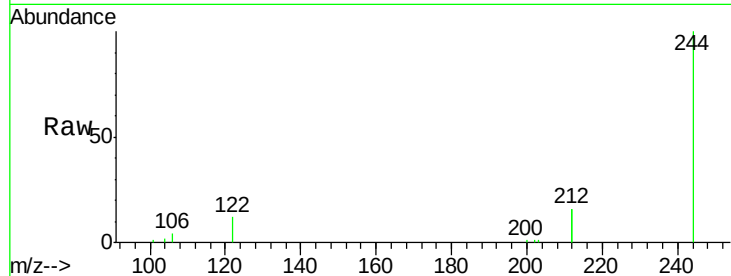
Tgt Ion:244 Resp: 18983

Ion Ratio Lower Upper

244 100

212 31.3 26.2 39.2

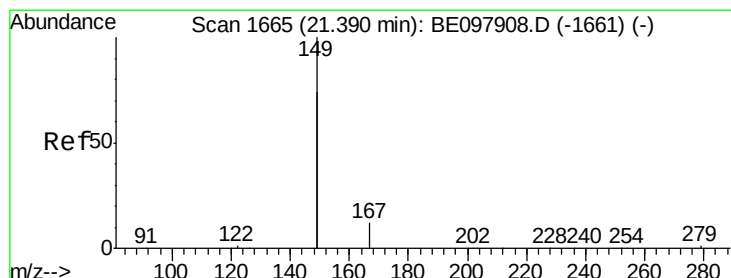
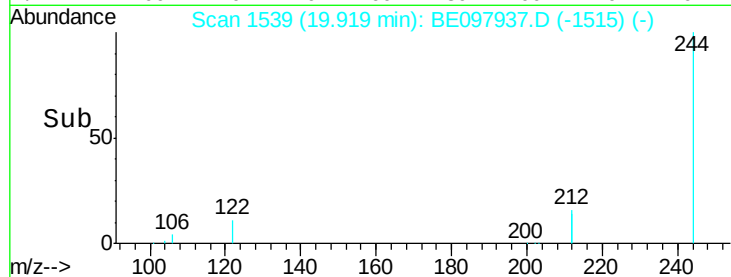
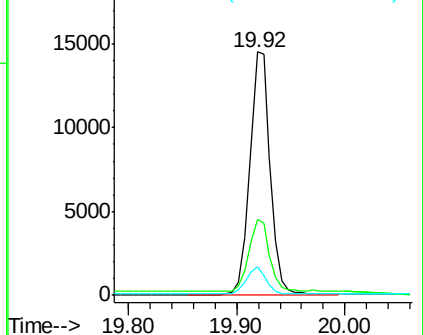
122 11.9 7.7 11.5#



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: BE097937.D

Acq: 17 Oct 2018 8:27

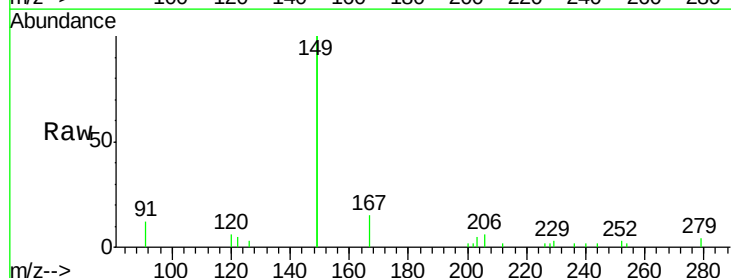
Tgt Ion:149 Resp: 7316

Ion Ratio Lower Upper

149 100

167 7.7 5.6 8.4

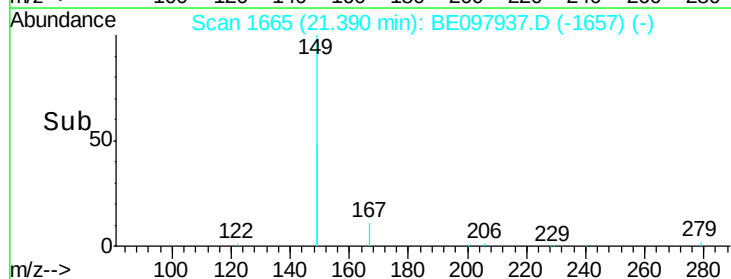
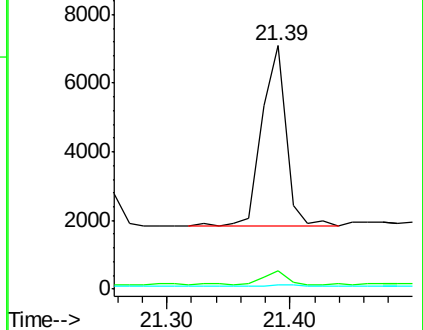
279 1.5 0.9 1.3#

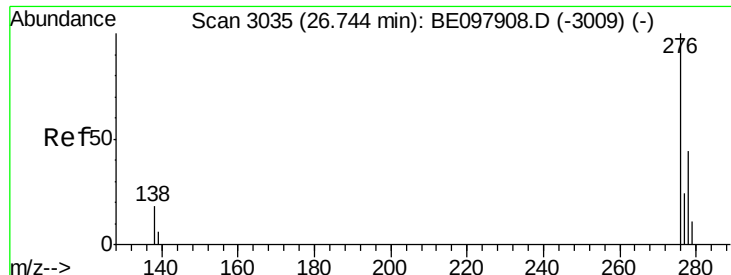


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.72 min Scan# 3029

Delta R.T. -0.02 min

Lab File: BE097937.D

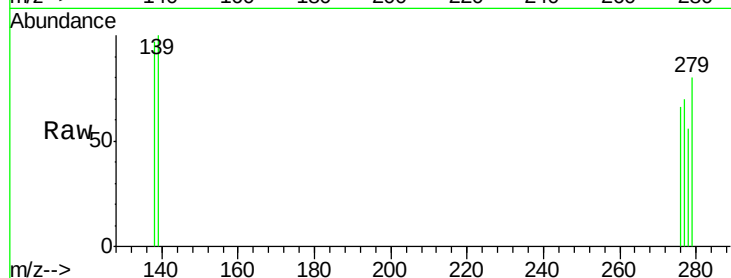
Acq: 17 Oct 2018 8:27

Instrument :

BNA_E

ClientSampleId :

RE-108D1-20181004



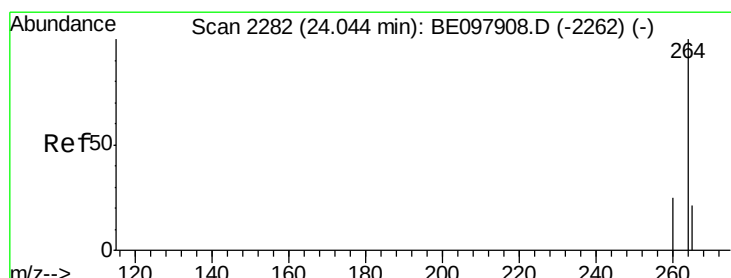
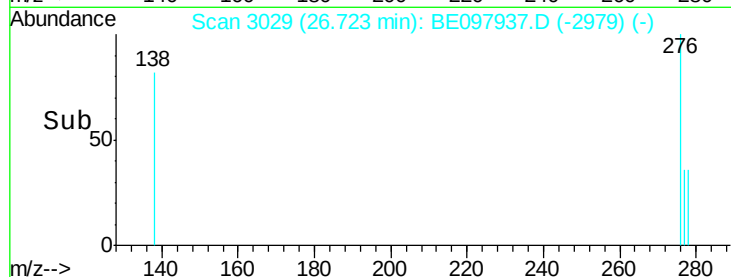
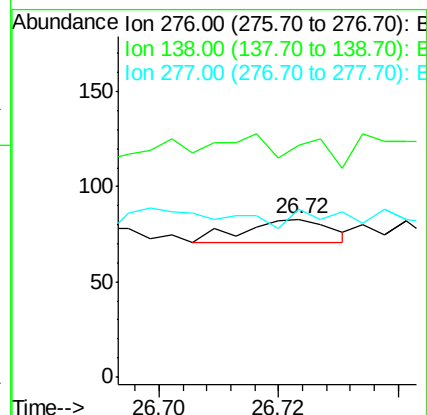
Tgt Ion: 276 Resp: 12

Ion Ratio Lower Upper

276 100

138 33.3 17.0 25.6#

277 50.0 20.5 30.7#



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BE097937.D

Acq: 17 Oct 2018 8:27

Tgt Ion: 264 Resp: 16799

Ion Ratio Lower Upper

264 100

260 24.9 21.1 31.7

265 27.7 29.2 43.8#

