

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
 Data File : BE097936.D
 Acq On : 17 Oct 2018 7:51
 Operator : SJ/JU
 Sample : J5317-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-108D2-20181004

Quant Time: Oct 17 08:56:38 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

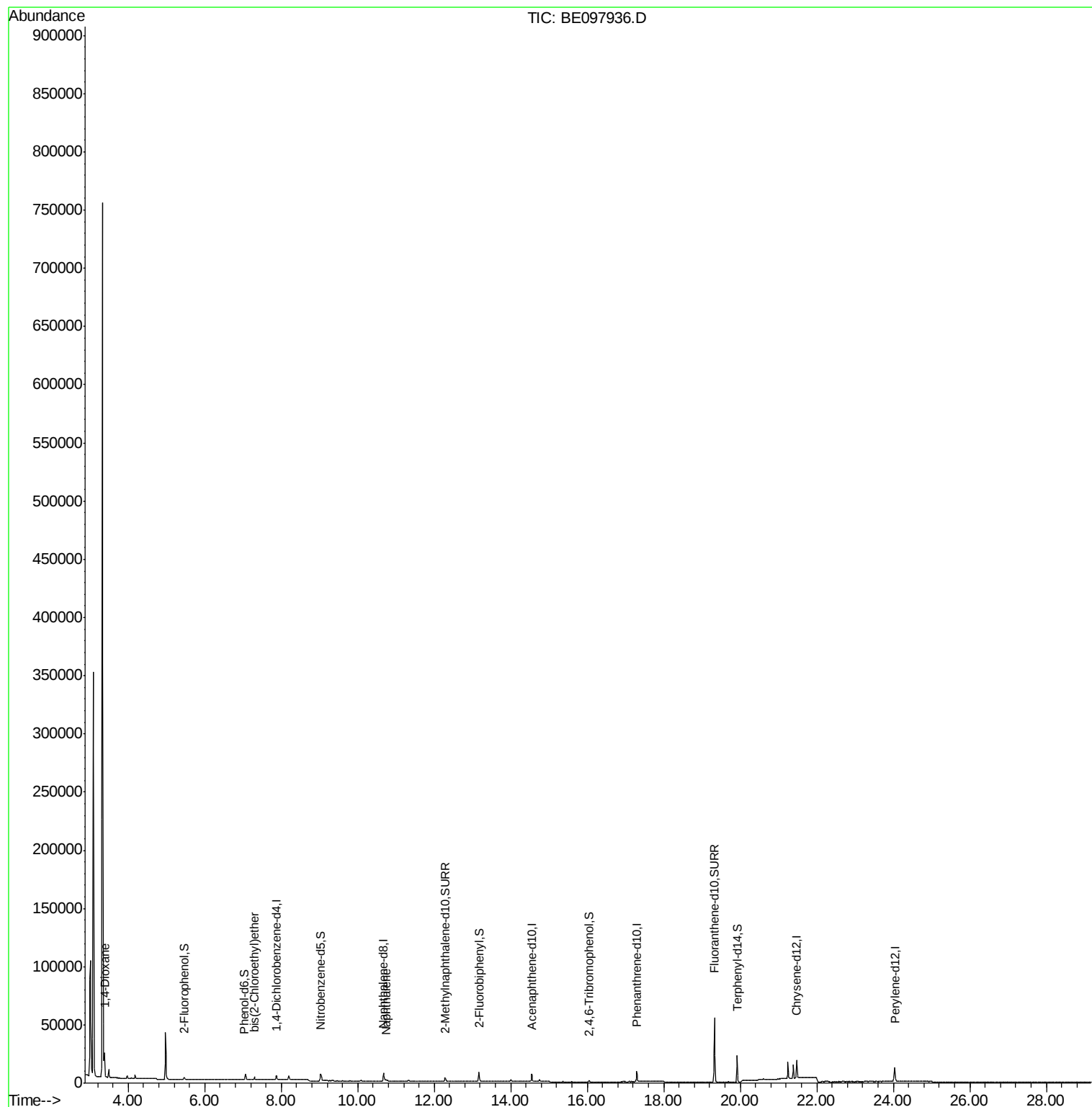
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1760	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	7316	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	4423	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	12491	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	17283	0.40	ng	-0.01
34) Perylene-d12	24.03	264	17566	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	919	0.17	ng	0.00
5) Phenol-d6	7.04	99	857	0.10	ng	-0.01
8) Nitrobenzene-d5	9.03	82	2693	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	4555	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	16.04	330	819	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	8766	0.48	ng	0.00
25) Fluoranthene-d10	19.33	212	71702	0.42	ng	0.00
29) Terphenyl-d14	19.92	244	20125	0.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	10951	3.569	ng	95
6) bis(2-Chloroethyl)ether	7.30	93	793	0.114	ng	99
9) Naphthalene	10.73	128	2061	0.028	ng	# 90

(#) = 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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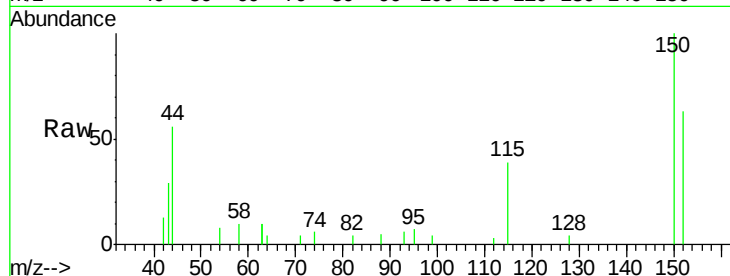
Tgt Ion:152 Resp: 1760

Ion Ratio Lower Upper

152 100

150 157.7 118.2 177.4

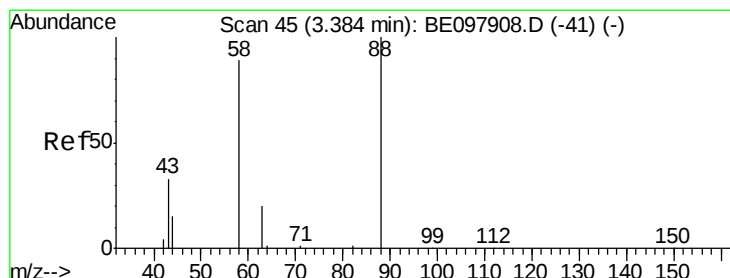
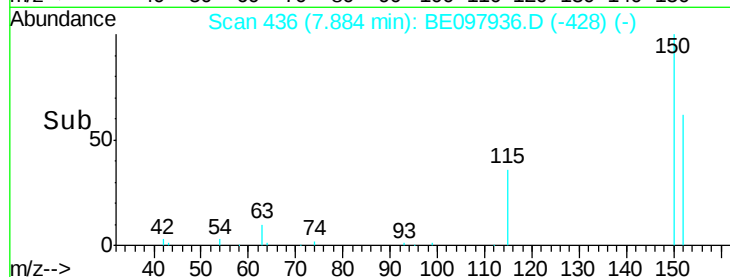
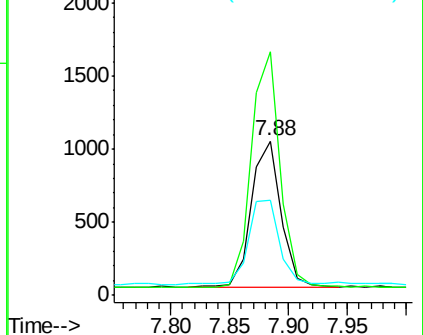
115 61.8 50.9 76.3



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: 3.569 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

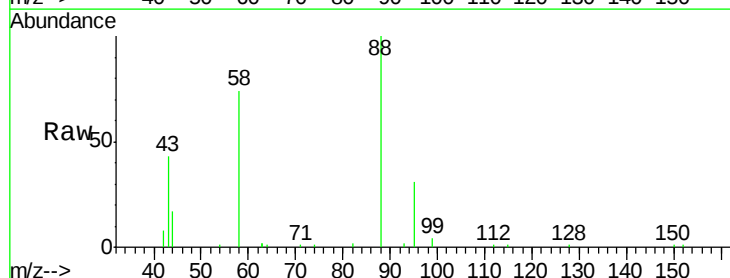
Tgt Ion: 88 Resp: 10951

Ion Ratio Lower Upper

88 100

58 87.3 73.2 109.8

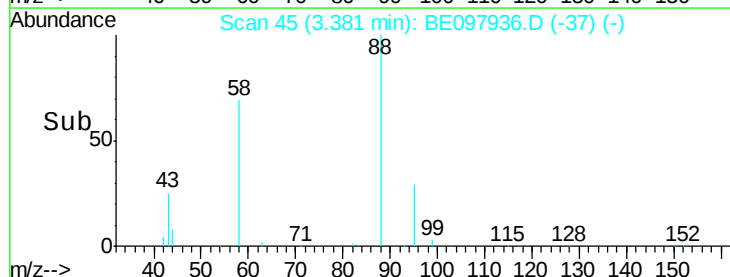
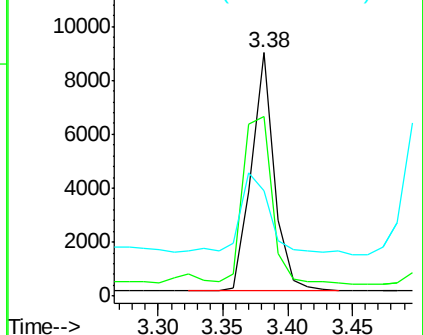
43 41.3 36.9 55.3

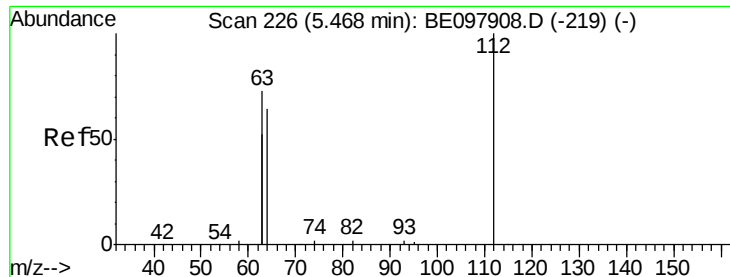


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.166 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

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Instrument :

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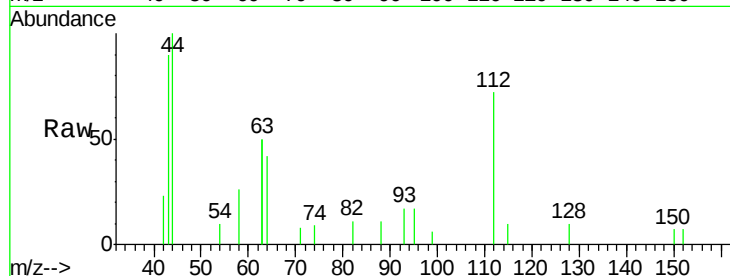
Tgt Ion: 112 Resp: 919

Ion Ratio Lower Upper

112 100

64 72.0 58.9 88.3

63 175.5 120.3 180.5



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

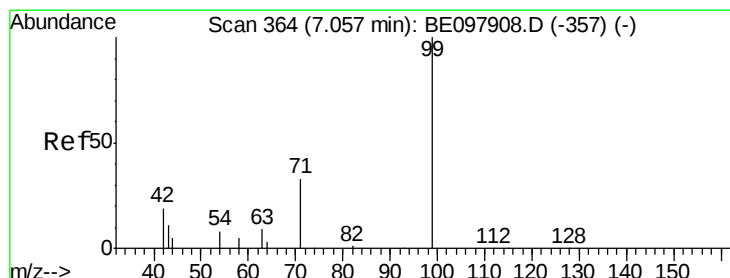
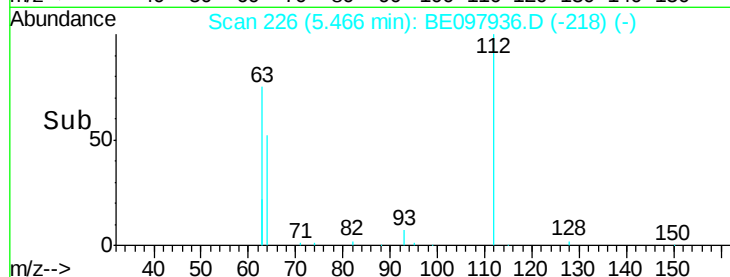
500

0

5.40 5.45 5.50 5.55 5.60

5.47

Time-->



#5

Phenol-d6

Concen: 0.104 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

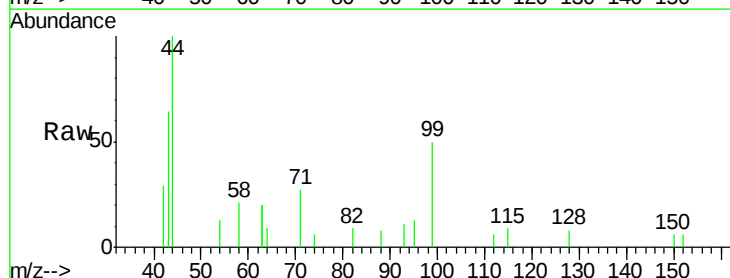
Tgt Ion: 99 Resp: 857

Ion Ratio Lower Upper

99 100

42 0.0 19.9 29.9#

71 41.4 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

600

500

400

300

200

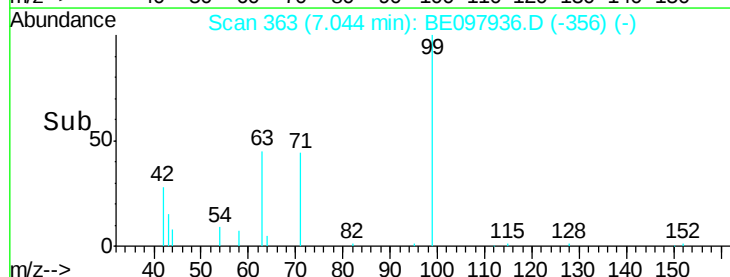
100

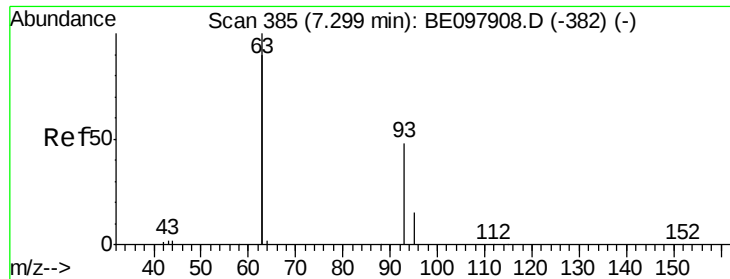
0

6.90 7.00 7.10 7.20

7.04

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.114 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

Instrument :

BNA_E

ClientSampleId :

RE-108D2-20181004

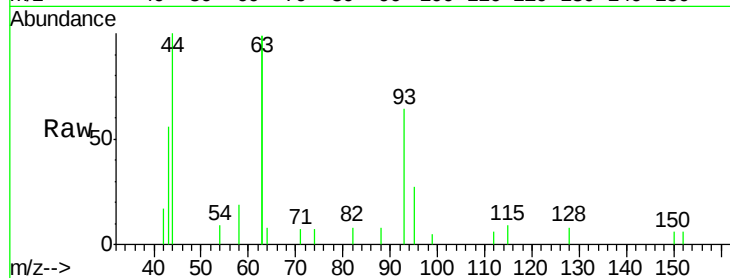
Tgt Ion: 93 Resp: 793

Ion Ratio Lower Upper

93 100

63 325.6 259.0 388.4

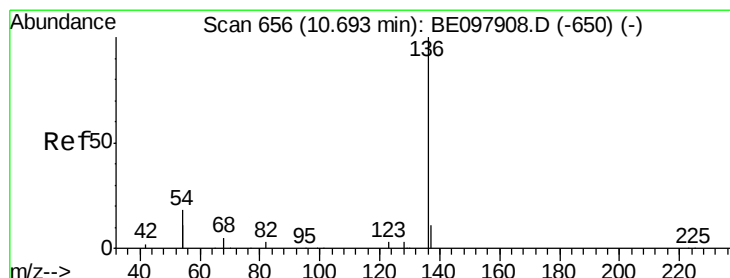
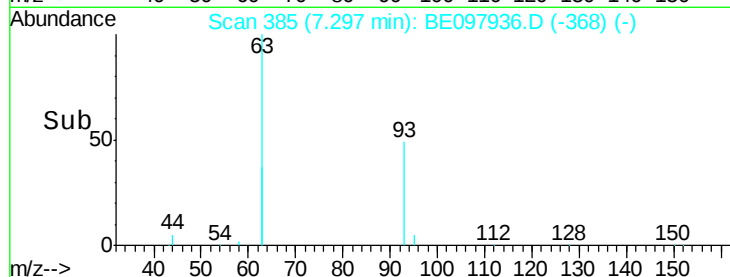
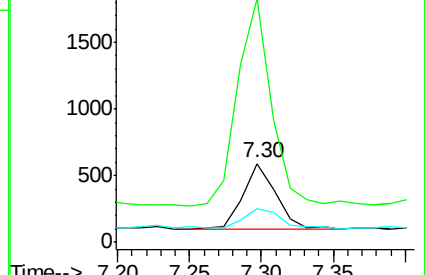
95 35.9 27.8 41.8



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: BE097936.D

Acq: 17 Oct 2018 7:51

Tgt Ion: 136 Resp: 7316

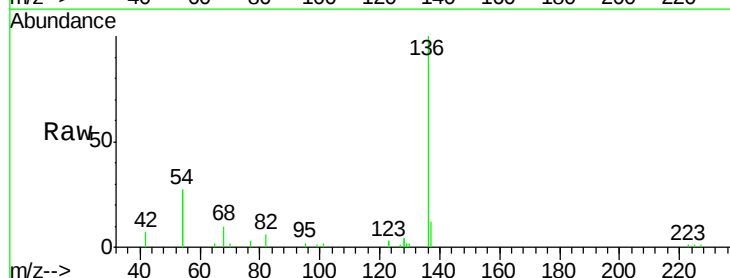
Ion Ratio Lower Upper

136 100

137 11.9 9.6 14.4

54 53.9 27.7 41.5#

68 10.1 5.3 7.9#

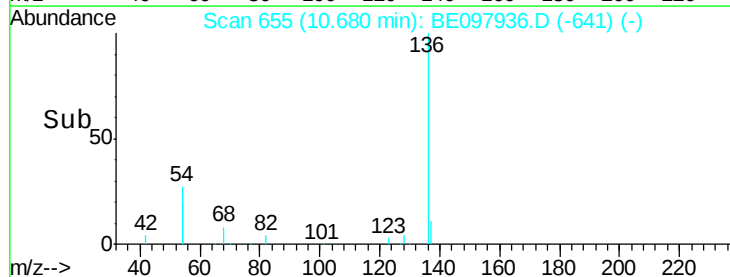
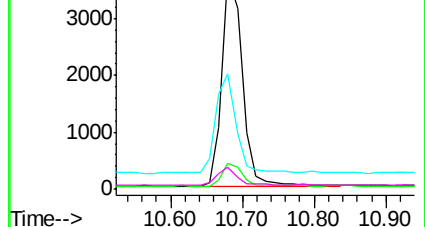


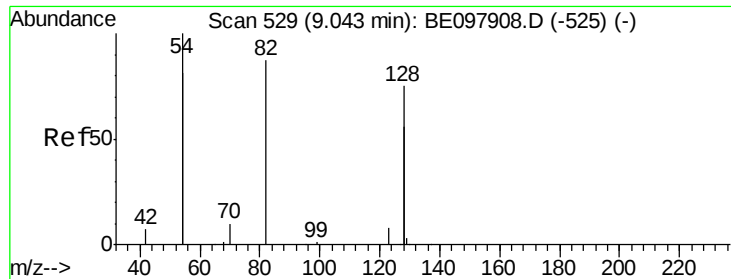
Abundance Ion 136.00 (135.70 to 136.70): E

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

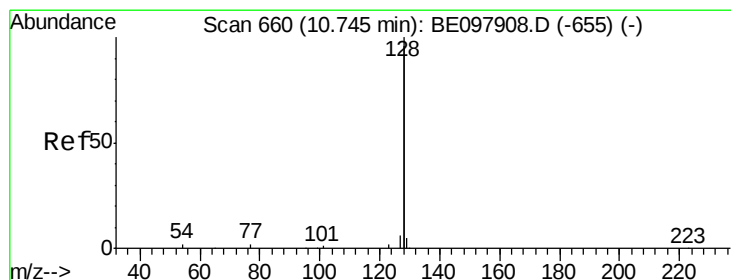
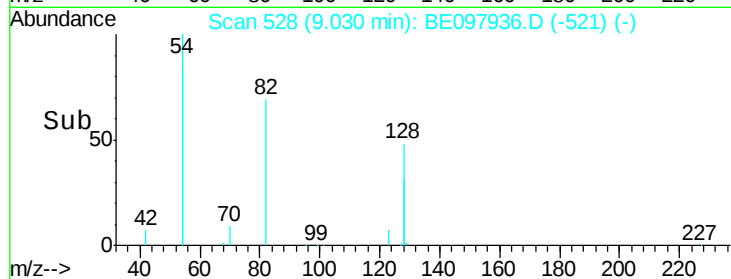
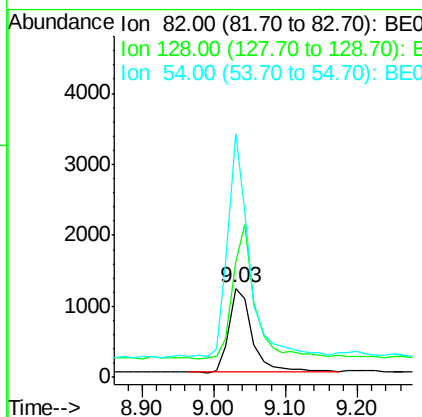
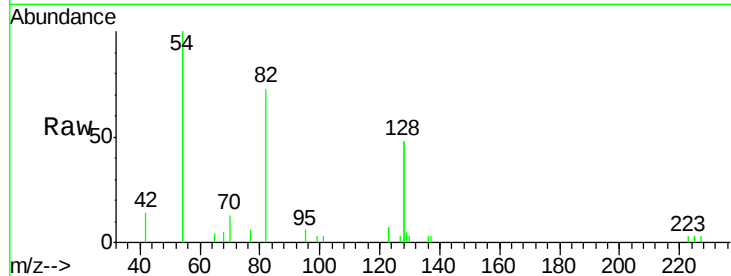




#8
 Nitrobenzene-d5
 Concen: 0.389 ng
 RT: 9.03 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: BE097936.D
 Acq: 17 Oct 2018 7:51

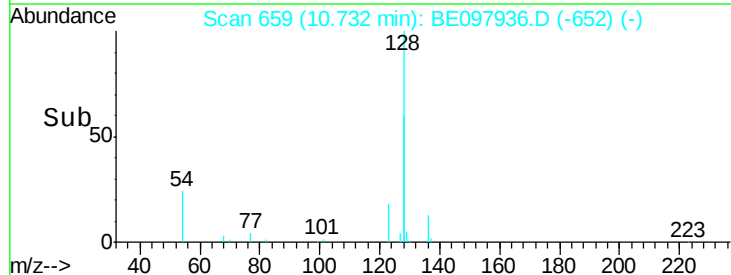
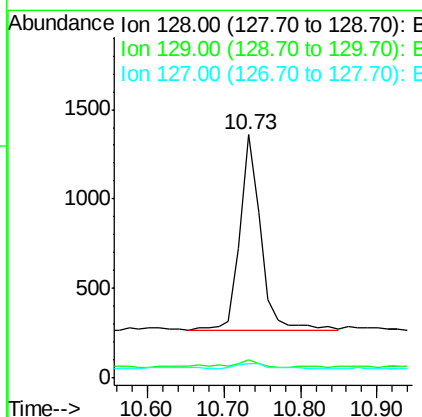
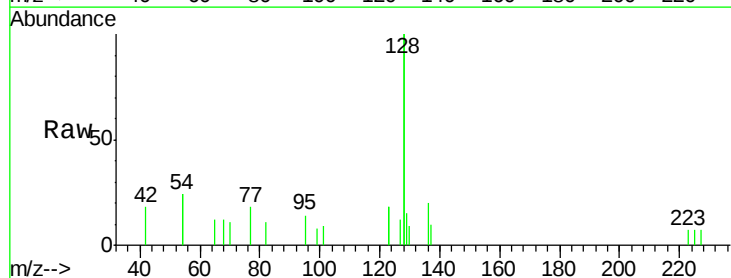
Instrument :
 BNA_E
 ClientSampleId :
 RE-108D2-20181004

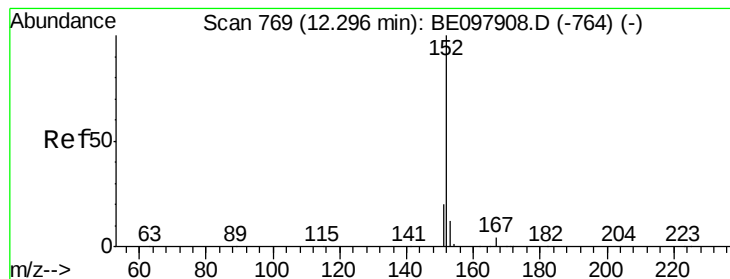
Tgt Ion: 82 Resp: 2693
 Ion Ratio Lower Upper
 82 100
 128 130.7 129.9 194.9
 54 274.4 174.0 261.0#



#9
 Naphthalene
 Concen: 0.028 ng
 RT: 10.73 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: BE097936.D
 Acq: 17 Oct 2018 7:51

Tgt Ion: 128 Resp: 2061
 Ion Ratio Lower Upper
 128 100
 129 7.6 2.5 3.7#
 127 5.9 2.8 4.2#





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

Instrument :

BNA_E

ClientSampleId :

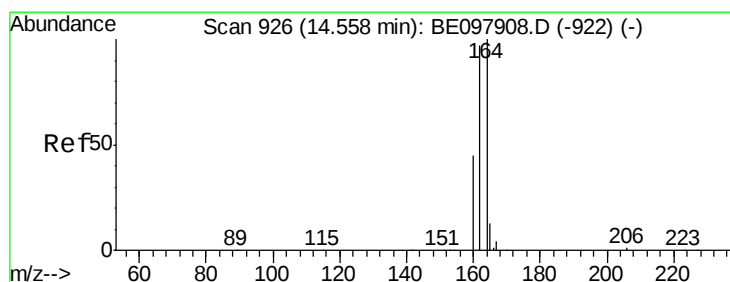
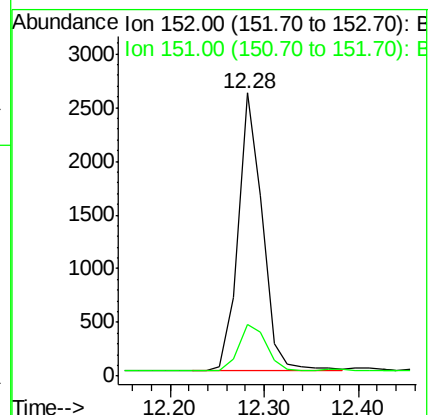
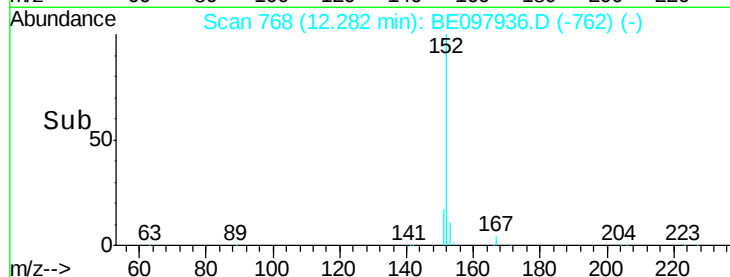
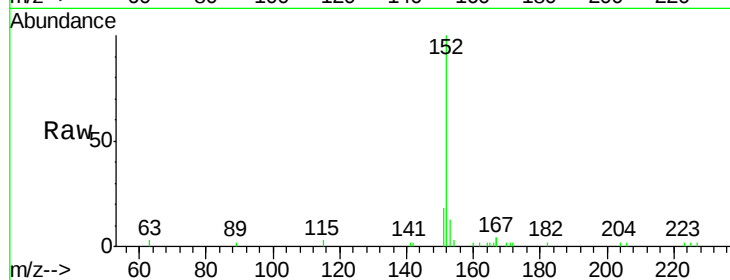
RE-108D2-20181004

Tgt Ion:152 Resp: 4555

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.4



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

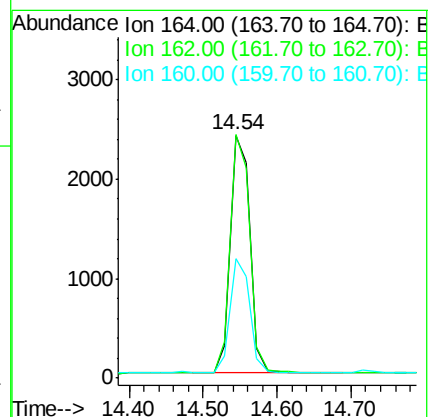
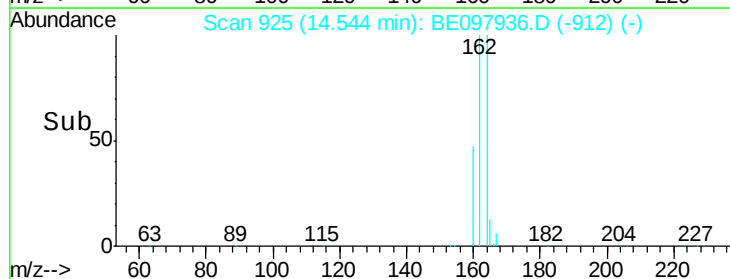
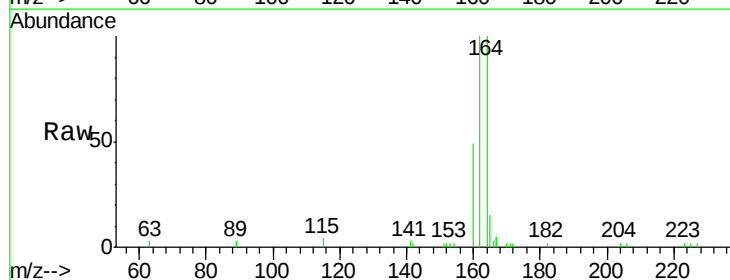
Tgt Ion:164 Resp: 4423

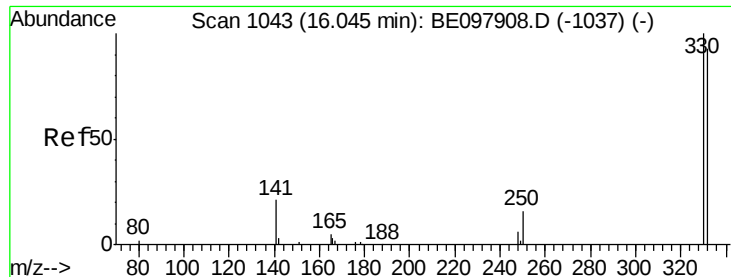
Ion Ratio Lower Upper

164 100

162 100.2 77.4 116.2

160 49.0 36.5 54.7

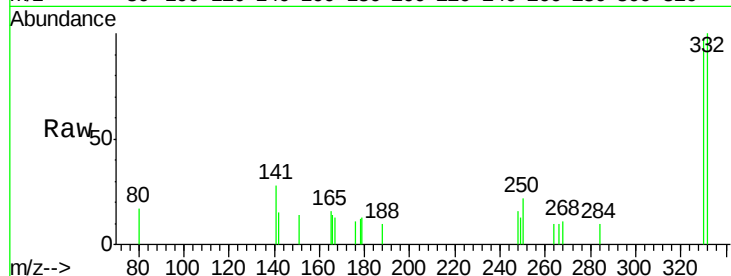




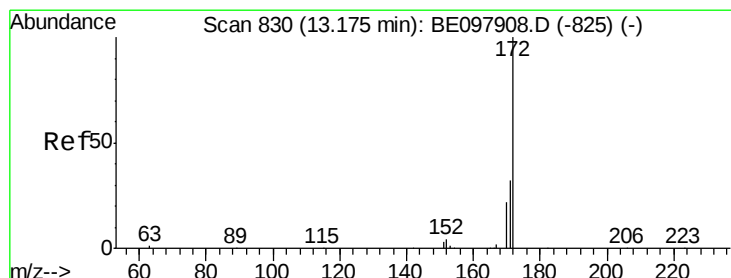
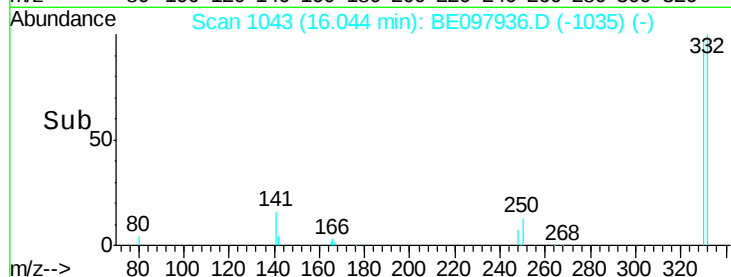
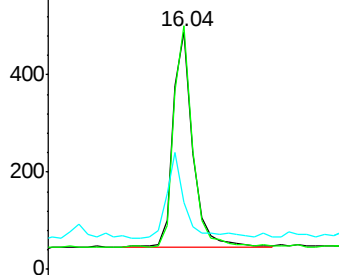
#14
 2,4,6-Tribromophenol
 Concen: 0.344 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097936.D
 Acq: 17 Oct 2018 7:51

Instrument :
 BNA_E
 ClientSampleId :
 RE-108D2-20181004

Tgt Ion: 330 Resp: 819
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.5 114.7
 141 38.2 31.8 47.6

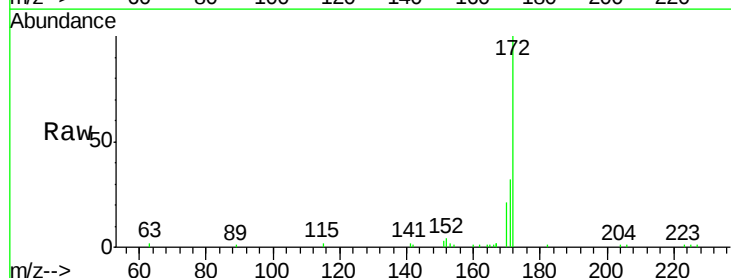


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

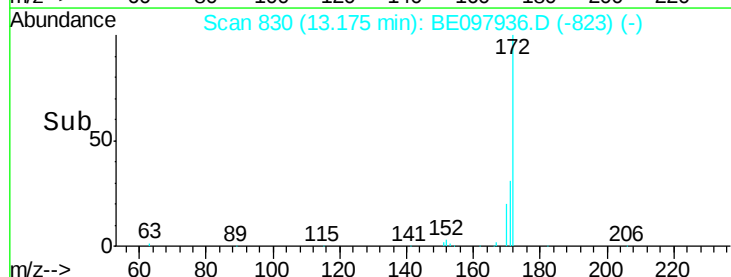
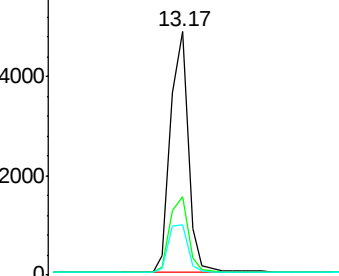


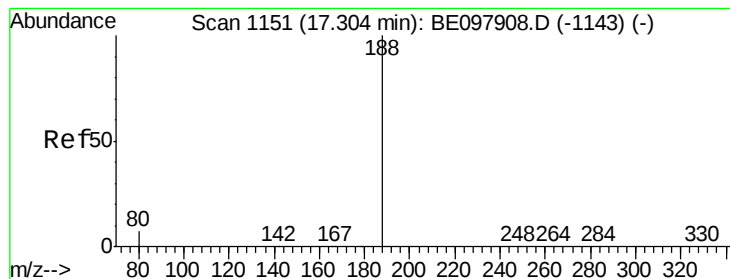
#15
 2-Fluorobiphenyl
 Concen: 0.485 ng
 RT: 13.17 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BE097936.D
 Acq: 17 Oct 2018 7:51

Tgt Ion: 172 Resp: 8766
 Ion Ratio Lower Upper
 172 100
 171 32.1 26.0 39.0
 170 20.8 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: BE097936.D

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BNA_E

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RE-108D2-20181004

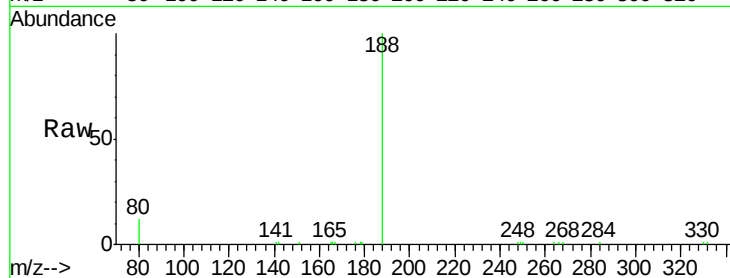
Tgt Ion:188 Resp: 12491

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 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

10000

8000

6000

4000

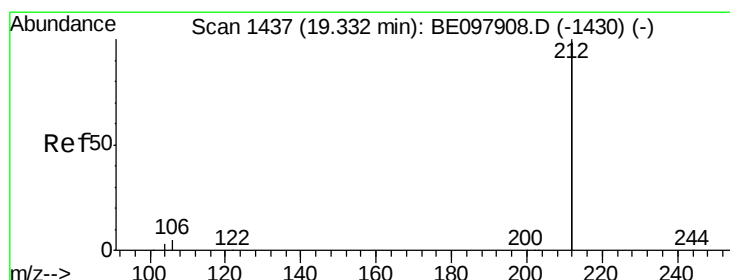
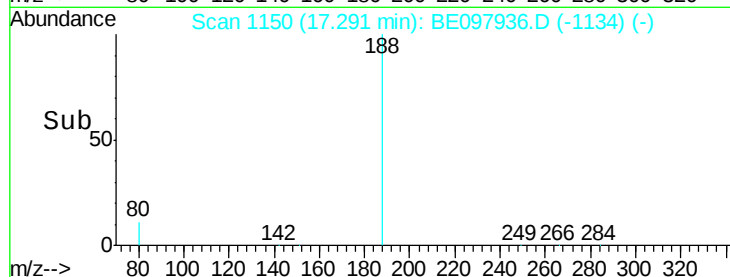
2000

0

17.29

17.20 17.30 17.40

Time-->



#25

Fluoranthene-d10

Concen: 0.424 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

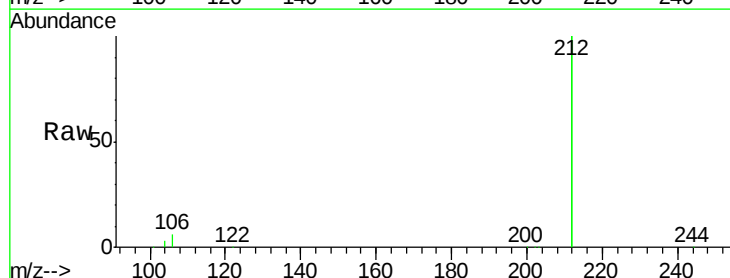
Tgt Ion:212 Resp: 71702

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

104 1.6 1.3 1.9



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

60000

40000

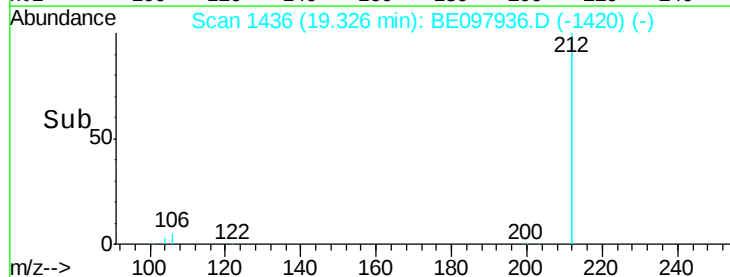
20000

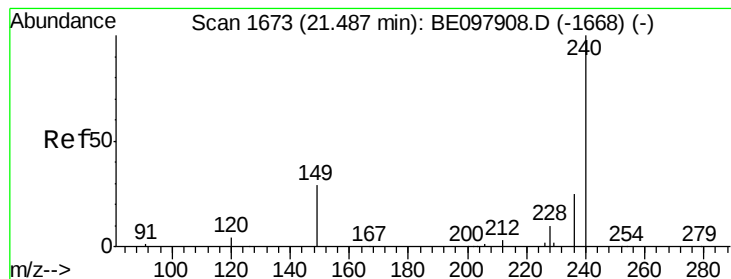
0

19.33

19.30 19.40

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097936.D

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Instrument :

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RE-108D2-20181004

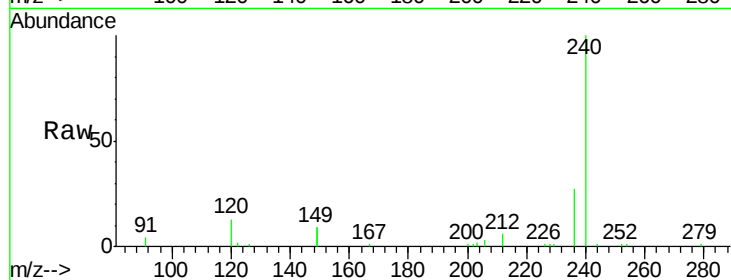
Tgt Ion:240 Resp: 17283

Ion Ratio Lower Upper

240 100

120 12.9 7.1 10.7#

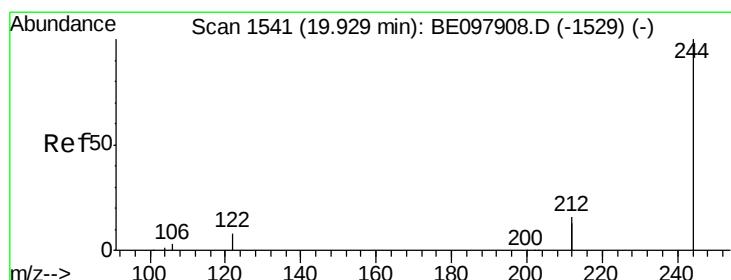
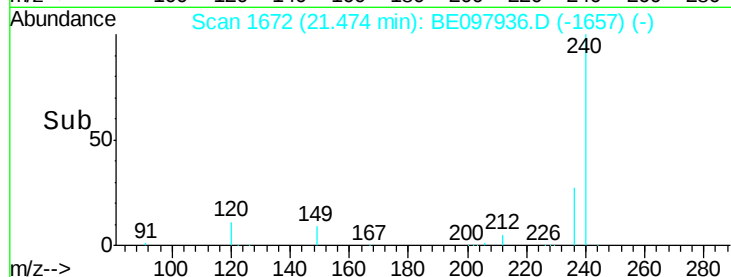
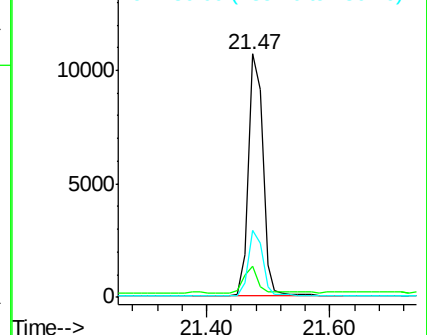
236 27.5 21.3 31.9



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: 0.508 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

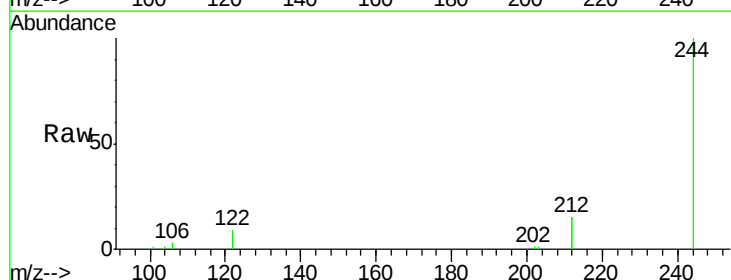
Tgt Ion:244 Resp: 20125

Ion Ratio Lower Upper

244 100

212 30.1 26.2 39.2

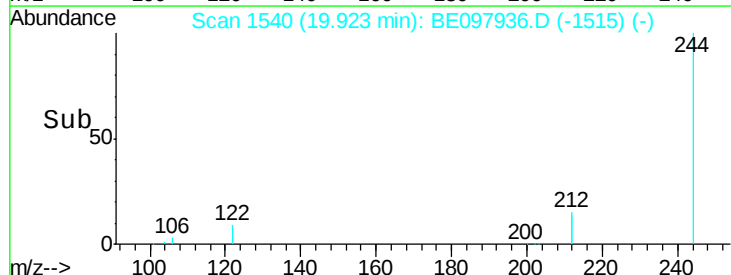
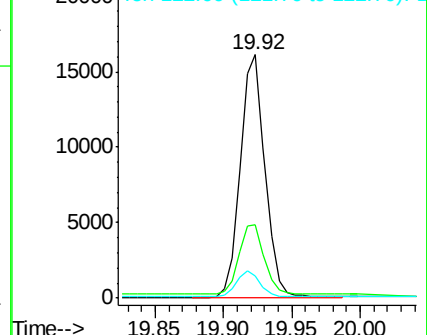
122 9.1 7.7 11.5

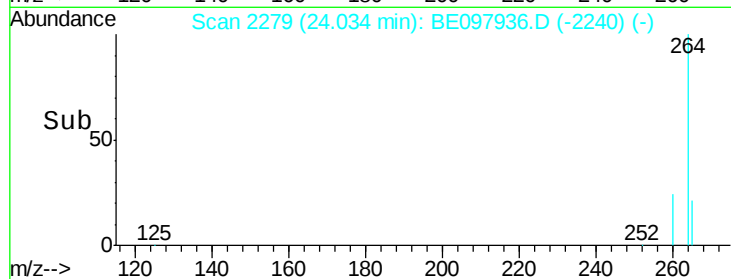
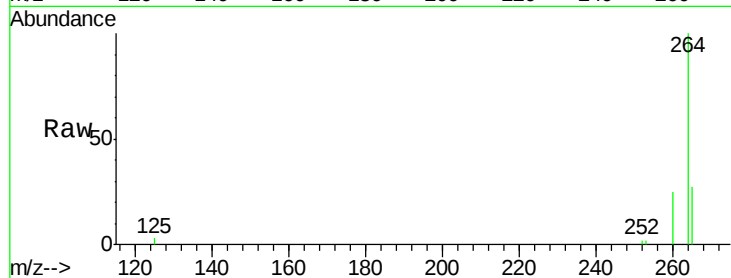
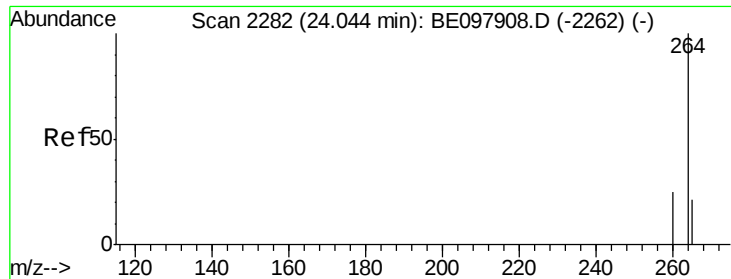


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE097936.D

Acq: 17 Oct 2018 7:51

Instrument :

BNA_E

ClientSampleId :

RE-108D2-20181004

Tgt Ion: 264 Resp: 17566

Ion Ratio Lower Upper

264 100

260 24.9 21.1 31.7

265 26.5 29.2 43.8#

