

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE101618\
 Data File : BE097938.D
 Acq On : 17 Oct 2018 9:02
 Operator : SJ/JU
 Sample : J5317-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TT-DUP04-20181004

Quant Time: Oct 17 16:52:45 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	1970	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	8671	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	5985	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	18689	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	20594	0.40	ng	-0.01
34) Perylene-d12	24.03	264	17237	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1220	0.20	ng	0.00
5) Phenol-d6	7.05	99	1112	0.12	ng	0.00
8) Nitrobenzene-d5	9.03	82	3628	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	6160	0.43	ng	-0.02
14) 2,4,6-Tribromophenol	16.05	330	1403	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	11555	0.47	ng	0.00
25) Fluoranthene-d10	19.33	212	117452	0.46	ng	0.00
29) Terphenyl-d14	19.92	244	44238	0.94	ng	0.00

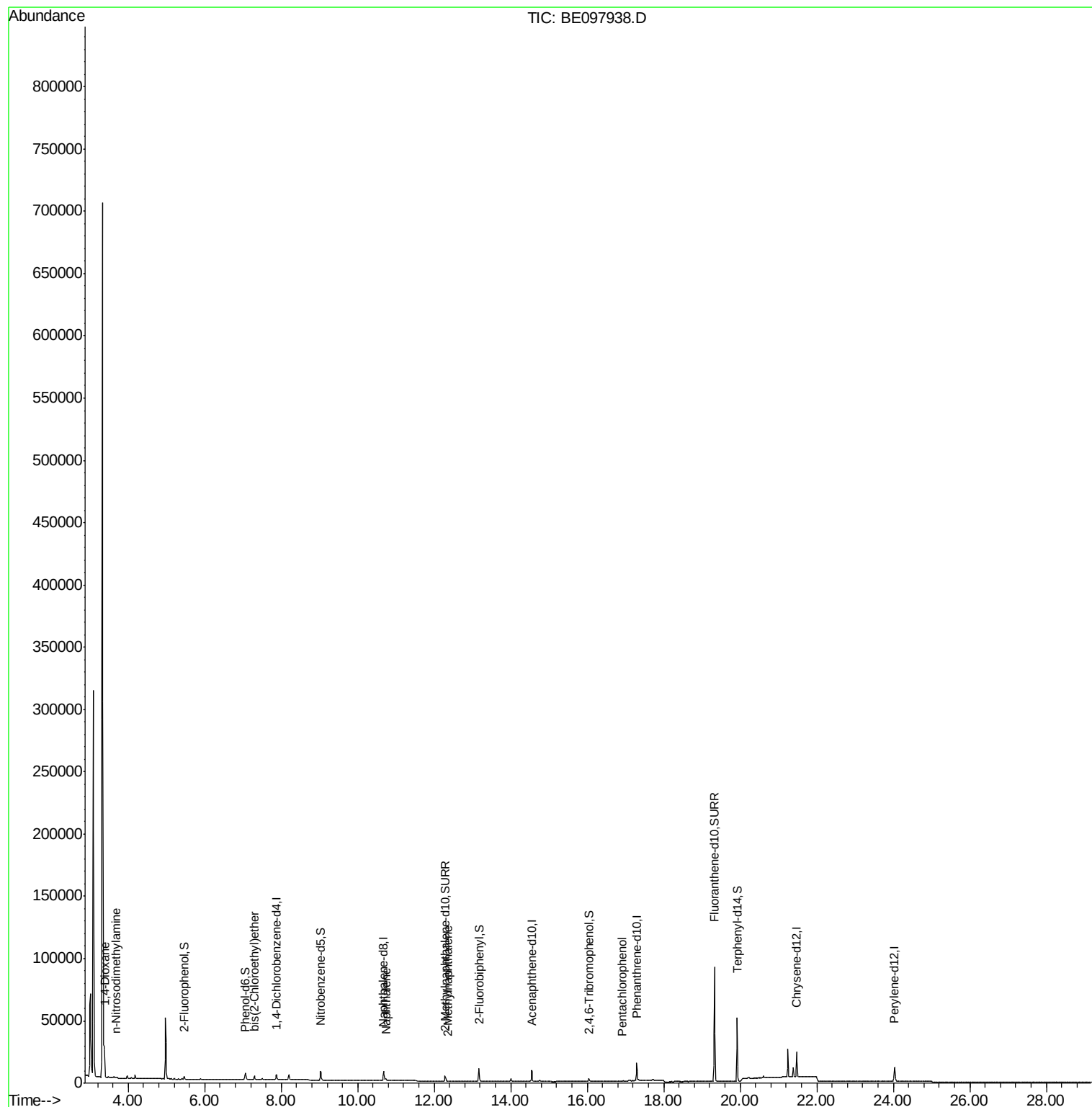
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	12481	3.634	ng	96
3) n-Nitrosodimethylamine	3.69	42	106	0.028	ng	# 19
6) bis(2-Chloroethyl)ether	7.30	93	999	0.128	ng	99
9) Naphthalene	10.73	128	2968	0.034	ng	# 93
12) 2-Methylnaphthalene	12.35	142	306	0.021	ng	# 89
22) Pentachlorophenol	16.91	266	3	0.031	ng	# 55
32) Bis(2-ethylhexyl)phthalate	21.39	149	10297	Below Cal	#	100
33) Indeno(1,2,3-cd)pyrene	26.74	276	38	Below Cal	#	84

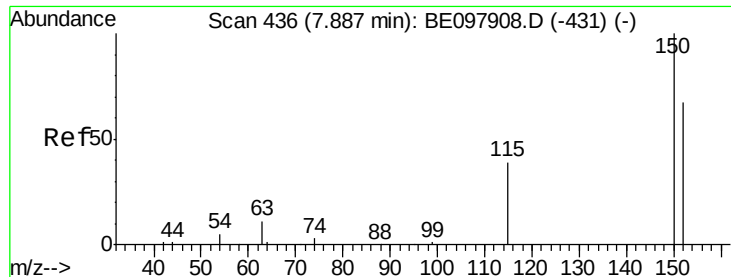
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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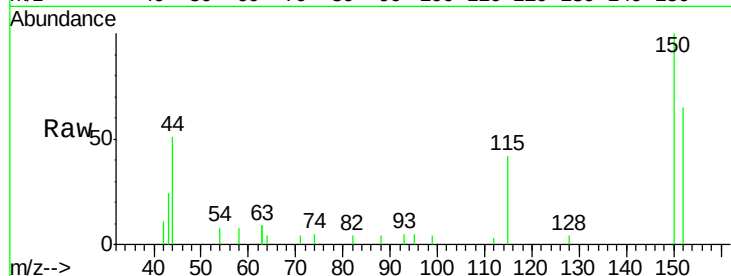
Tgt Ion:152 Resp: 1970

Ion Ratio Lower Upper

152 100

150 153.2 118.2 177.4

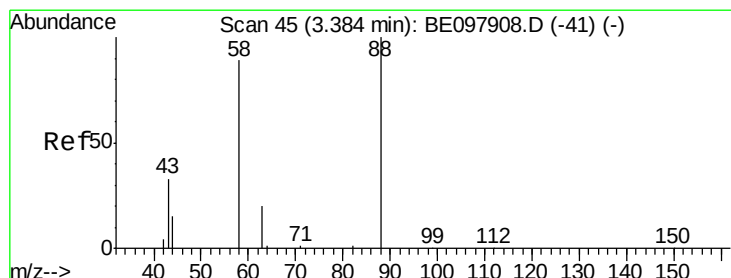
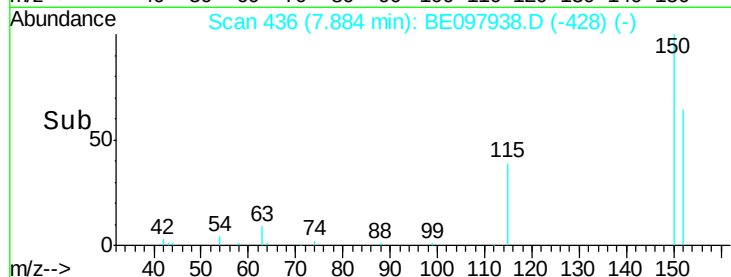
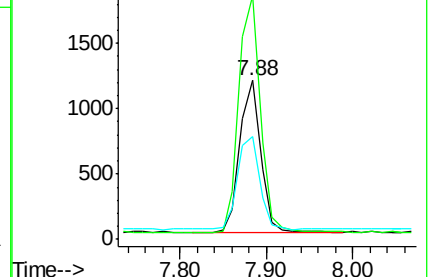
115 64.4 50.9 76.3



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: 3.634 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

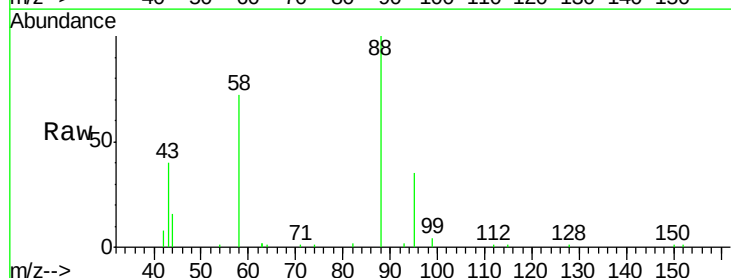
Tgt Ion: 88 Resp: 12481

Ion Ratio Lower Upper

88 100

58 87.2 73.2 109.8

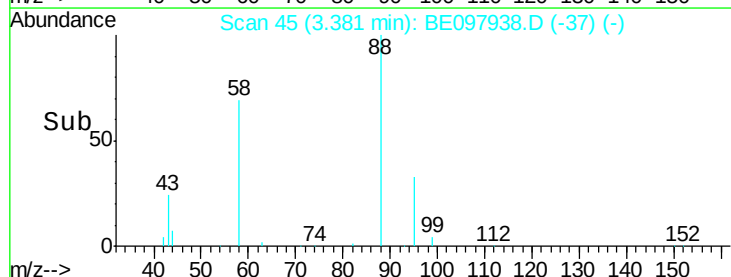
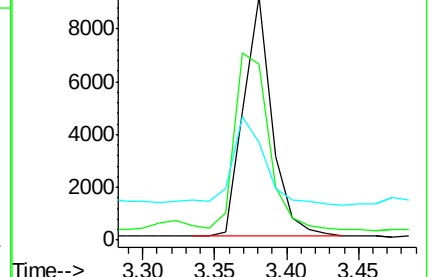
43 43.4 36.9 55.3

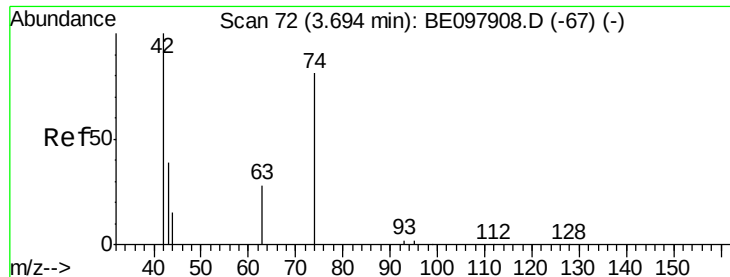


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

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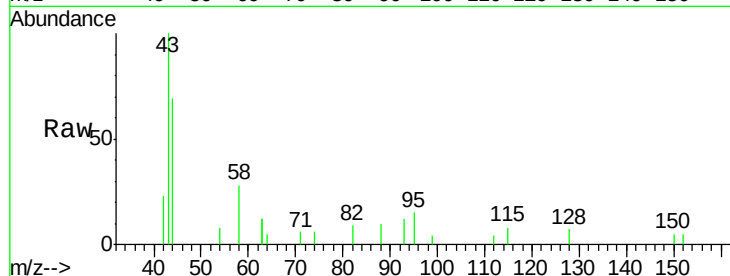
Tgt Ion: 42 Resp: 106

Ion Ratio Lower Upper

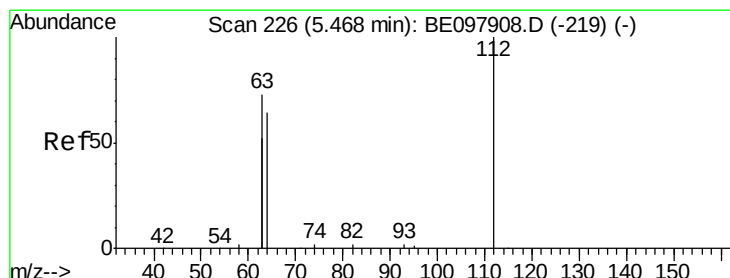
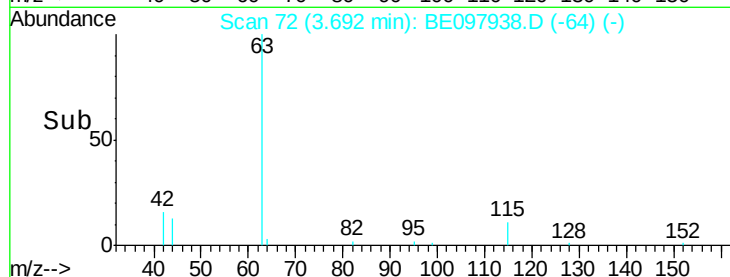
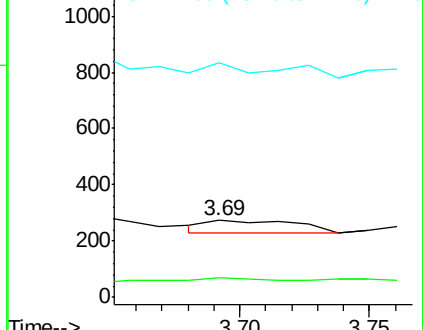
42 100

74 12.3 77.6 116.4#

44 0.0 7.6 11.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.196 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

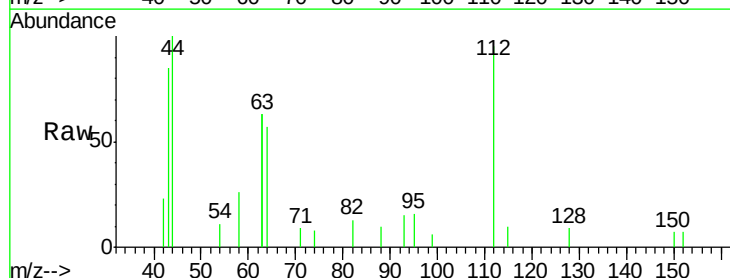
Tgt Ion: 112 Resp: 1220

Ion Ratio Lower Upper

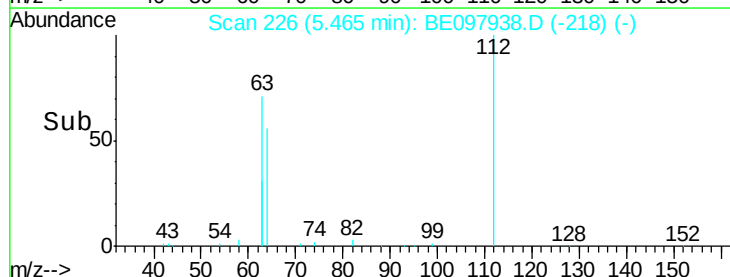
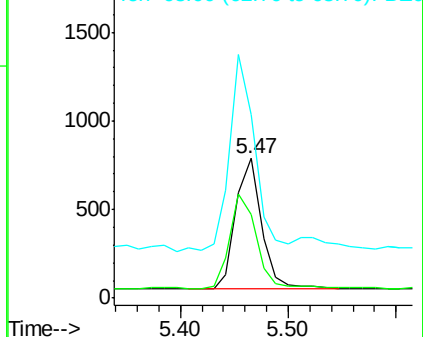
112 100

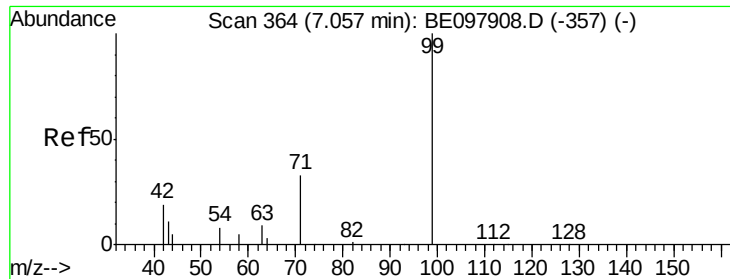
64 74.3 58.9 88.3

63 149.5 120.3 180.5



Abundance Ion 112.00 (111.70 to 112.70): E
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# 364

Delta R.T. -0.00 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004

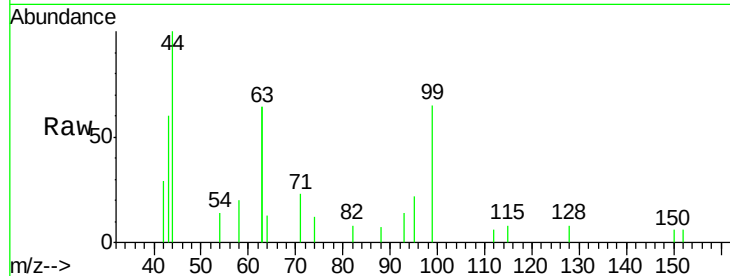
Tgt Ion: 99 Resp: 1112

Ion Ratio Lower Upper

99 100

42 44.9 19.9 29.9#

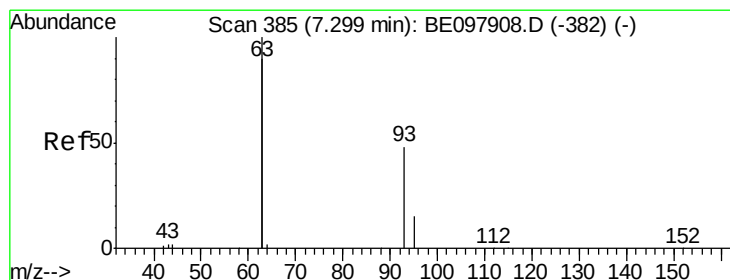
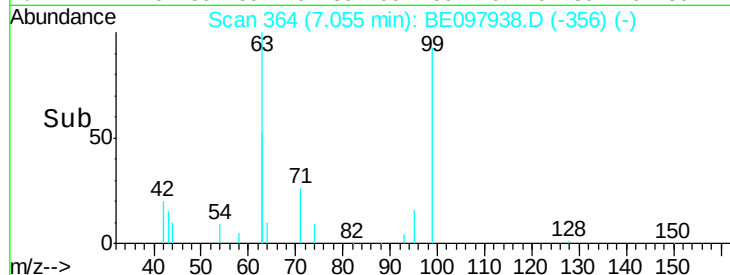
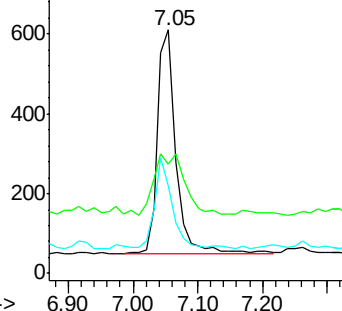
71 37.1 27.8 41.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.128 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

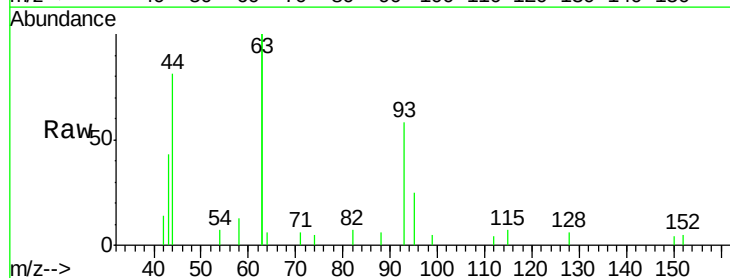
Tgt Ion: 93 Resp: 999

Ion Ratio Lower Upper

93 100

63 323.3 259.0 388.4

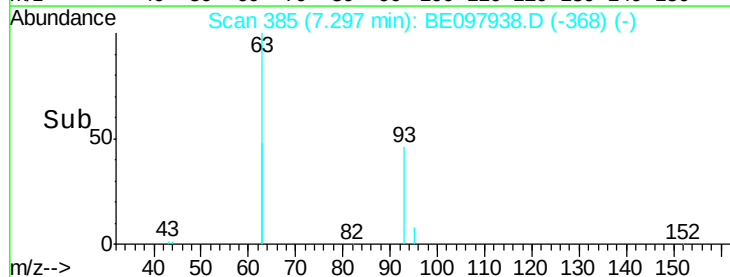
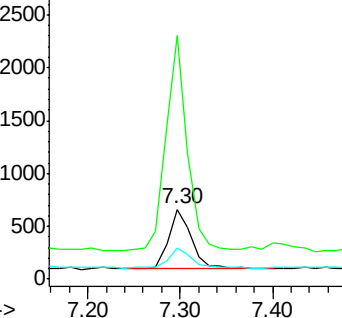
95 40.8 27.8 41.8

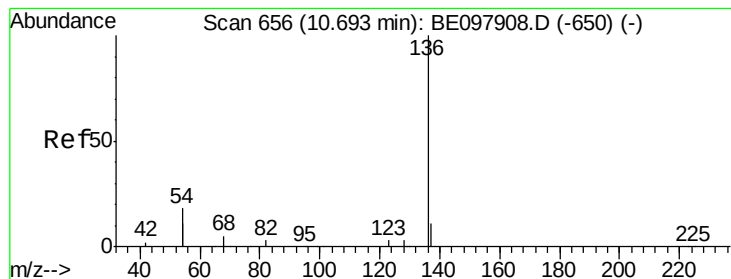


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097938.D

Acq: 17 Oct 2018 9:02

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Tgt Ion:136 Resp: 8671

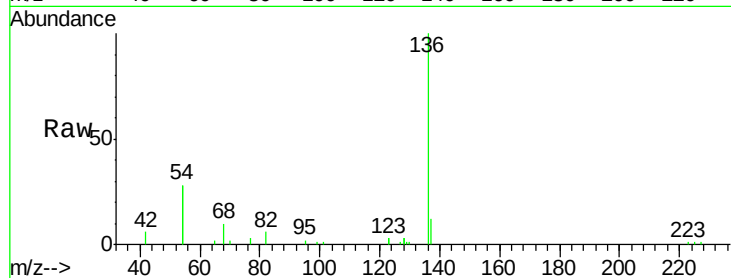
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 55.9 27.7 41.5#

68 9.8 5.3 7.9#

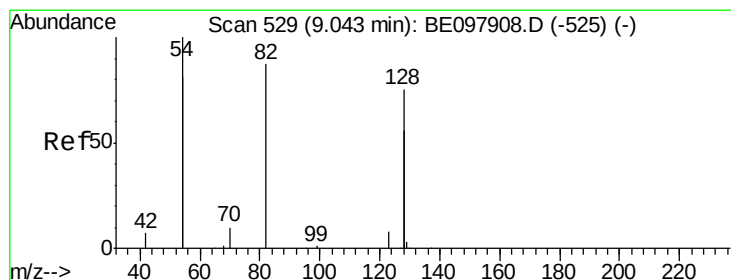
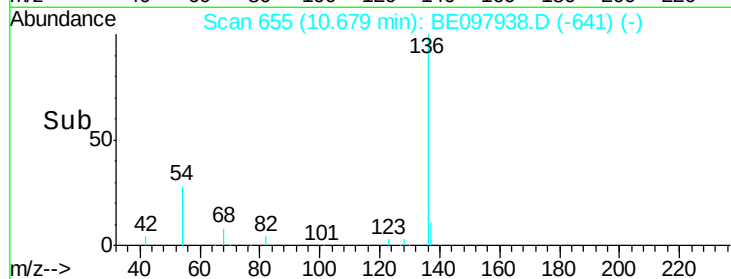
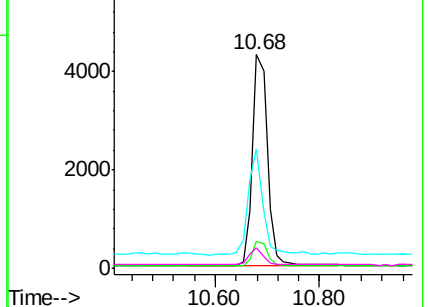


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.442 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

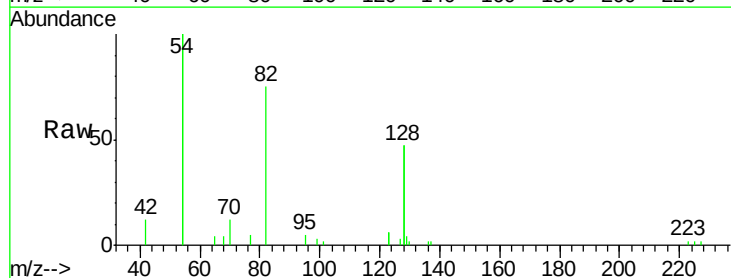
Tgt Ion: 82 Resp: 3628

Ion Ratio Lower Upper

82 100

128 123.7 129.9 194.9#

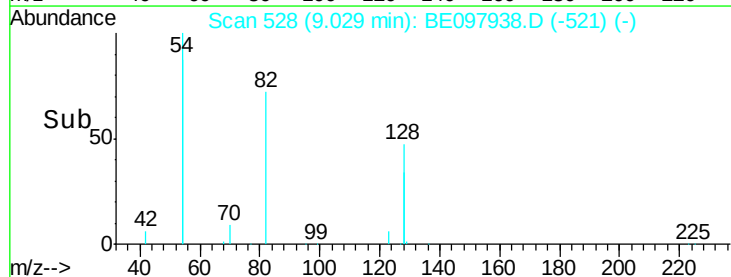
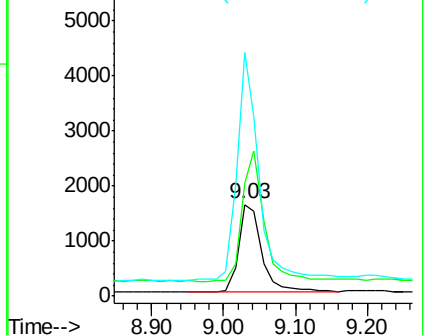
54 265.3 174.0 261.0#

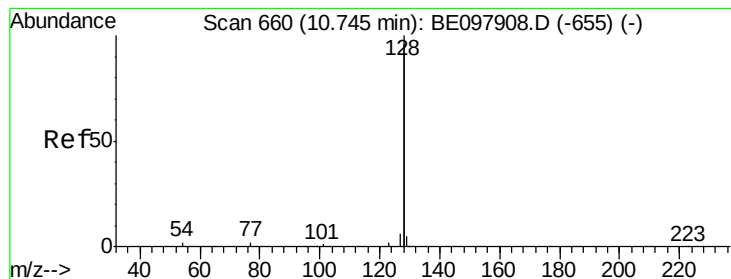


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.034 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

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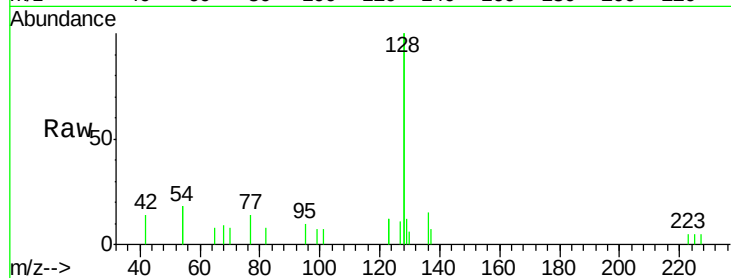
Tgt Ion:128 Resp: 2968

Ion Ratio Lower Upper

128 100

129 5.9 2.5 3.7#

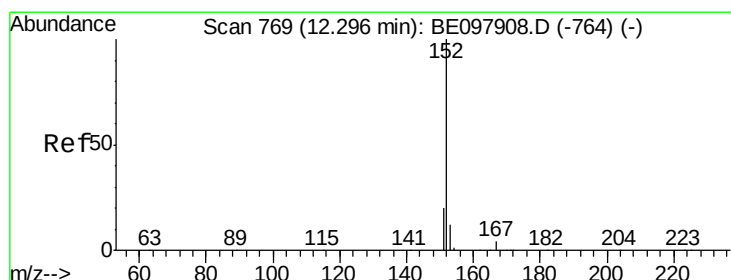
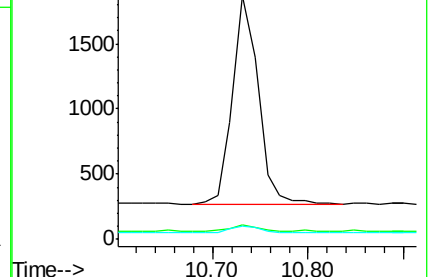
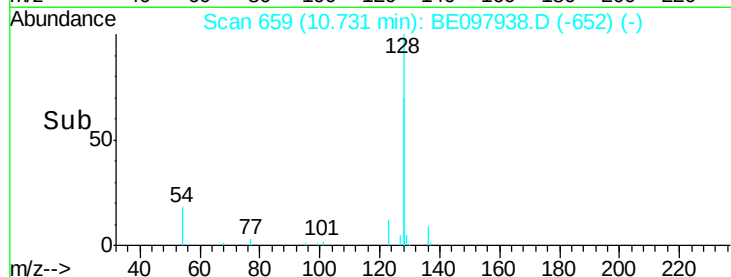
127 5.5 2.8 4.2#



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: 0.427 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097938.D

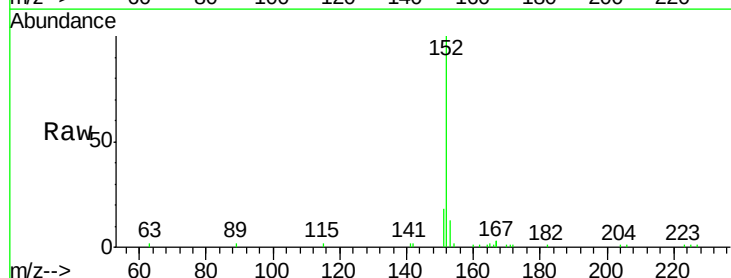
Acq: 17 Oct 2018 9:02

Tgt Ion:152 Resp: 6160

Ion Ratio Lower Upper

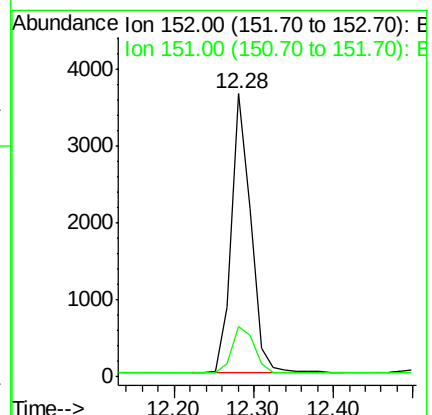
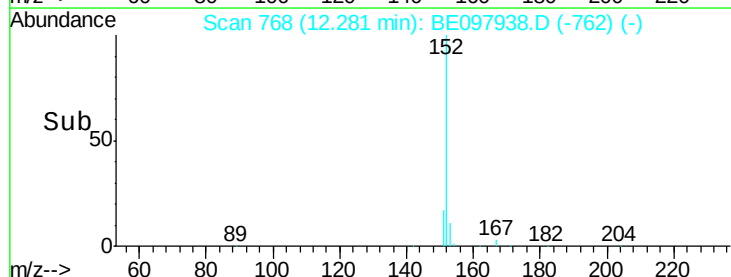
152 100

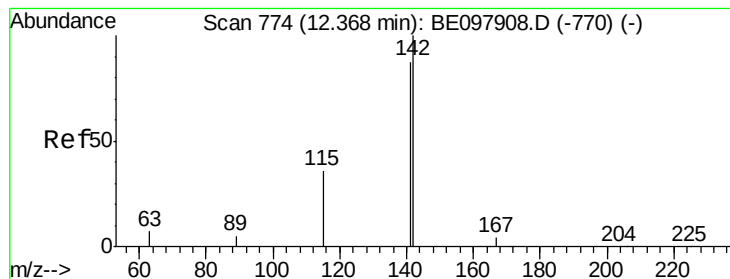
151 18.7 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.021 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.02 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

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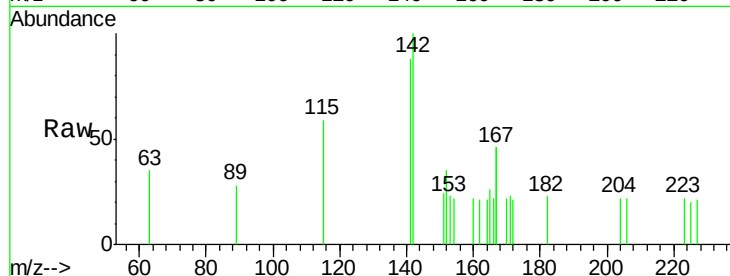
Tgt Ion:142 Resp: 306

Ion Ratio Lower Upper

142 100

141 88.3 69.8 104.6

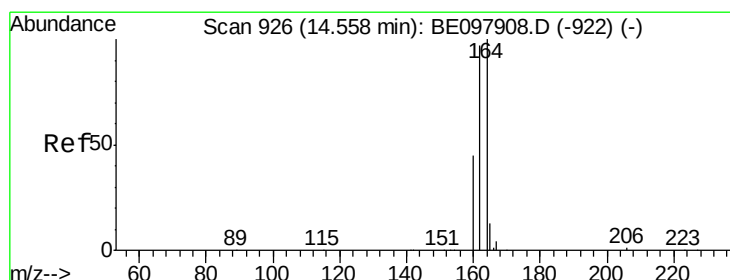
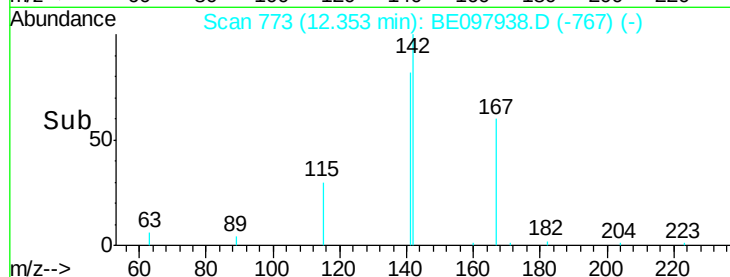
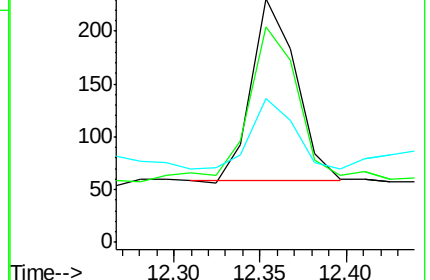
115 58.9 30.5 45.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.02 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

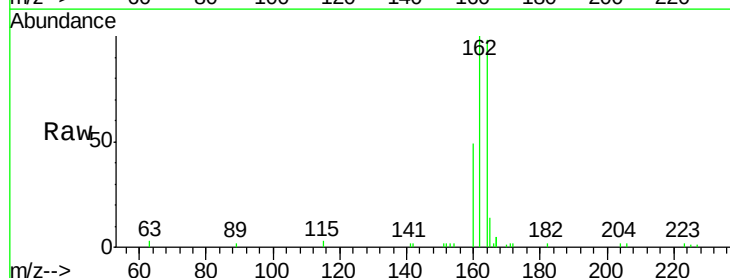
Tgt Ion:164 Resp: 5985

Ion Ratio Lower Upper

164 100

162 101.7 77.4 116.2

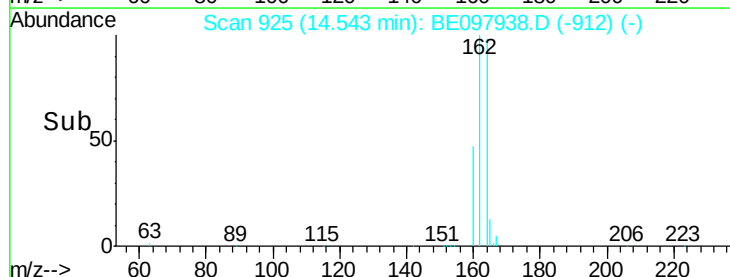
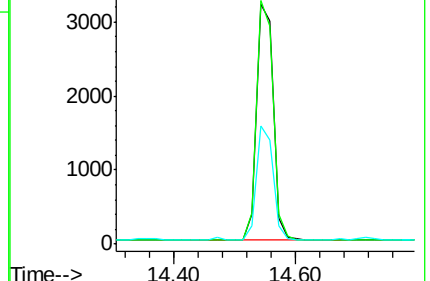
160 49.4 36.5 54.7

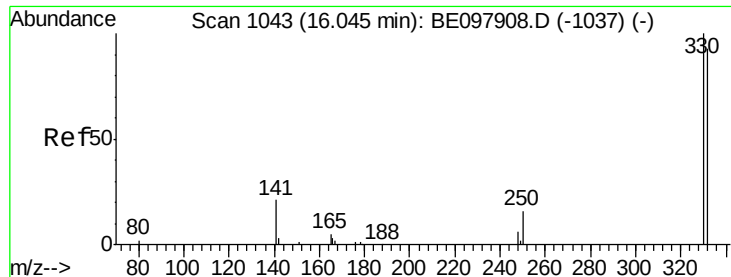


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

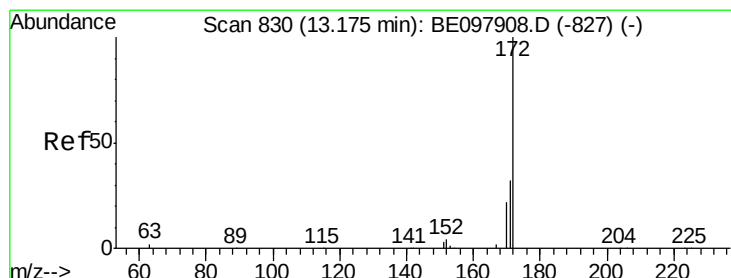
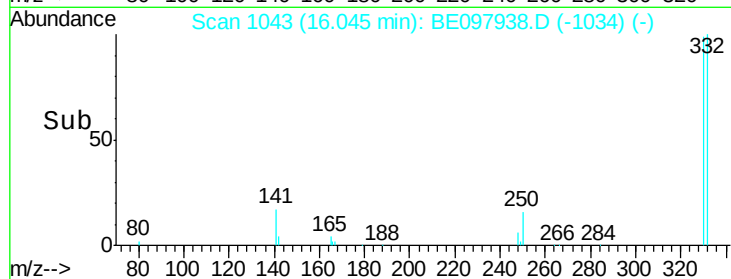
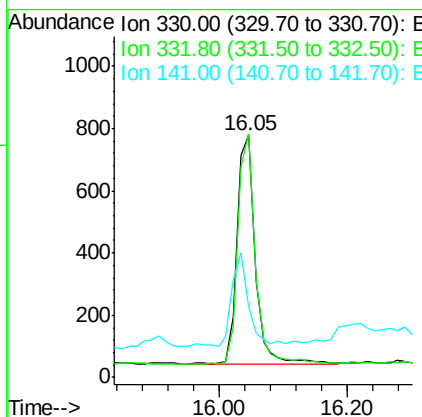
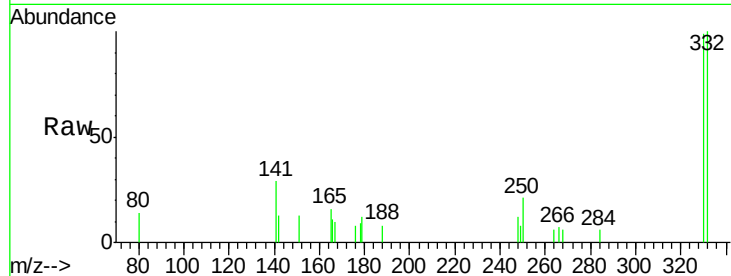




#14
 2,4,6-Tribromophenol
 Concen: 0.436 ng
 RT: 16.05 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BE097938.D
 Acq: 17 Oct 2018 9:02

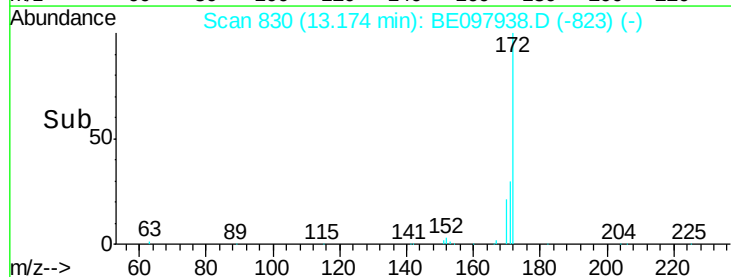
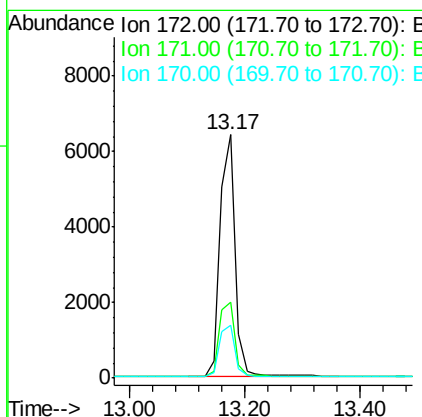
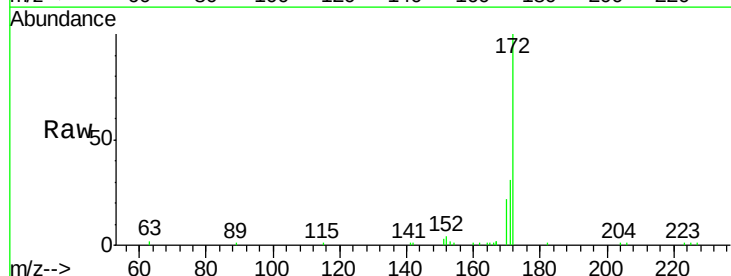
Instrument :
 BNA_E
 ClientSampleId :
 TT-DUP04-20181004

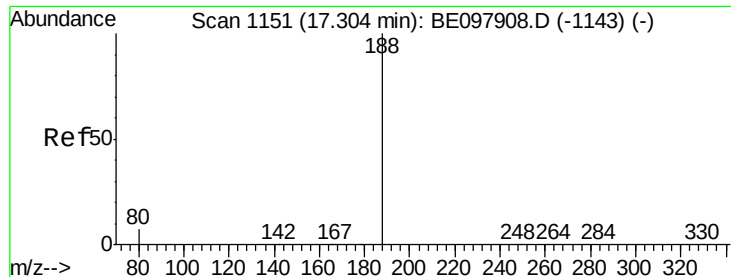
Tgt Ion: 330 Resp: 1403
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.5 114.7
 141 37.2 31.8 47.6



#15
 2-Fluorobiphenyl
 Concen: 0.472 ng
 RT: 13.17 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BE097938.D
 Acq: 17 Oct 2018 9:02

Tgt Ion: 172 Resp: 11555
 Ion Ratio Lower Upper
 172 100
 171 30.9 26.0 39.0
 170 21.8 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: BE097938.D

Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004

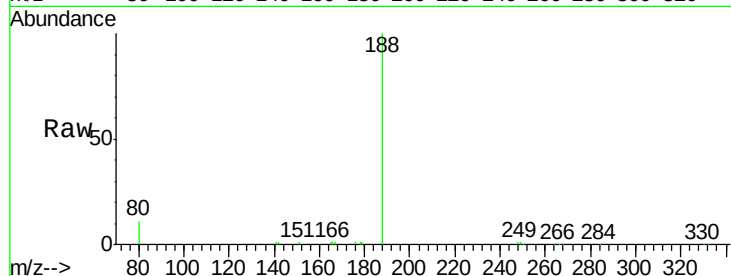
Tgt Ion:188 Resp: 18689

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

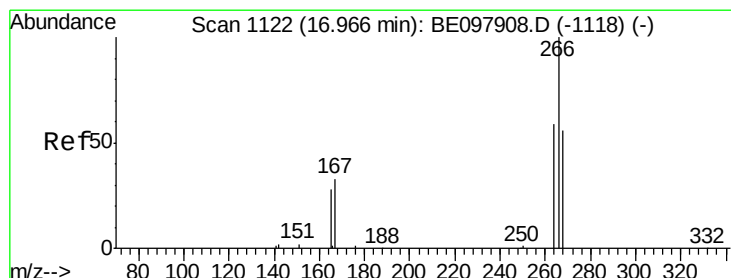
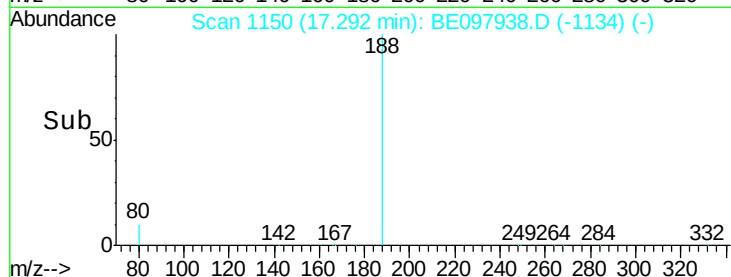
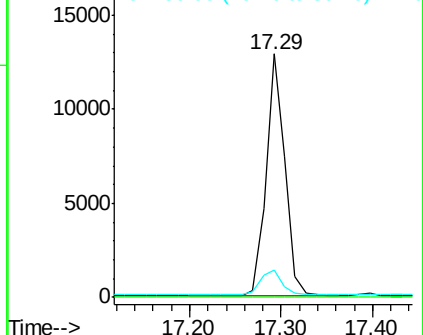
80 11.4 6.3 9.5#



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: 0.031 ng

RT: 16.91 min Scan# 1117

Delta R.T. -0.06 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

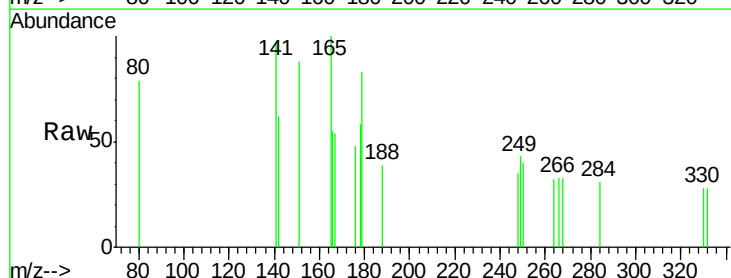
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 96.2 51.3 76.9#

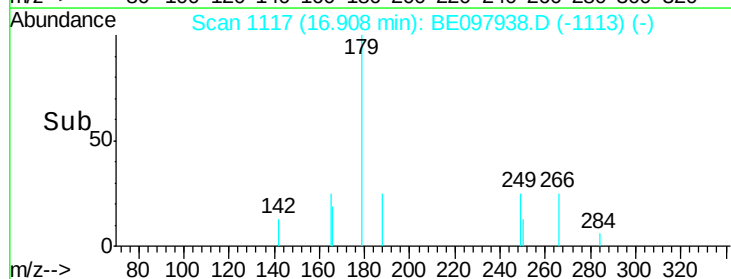
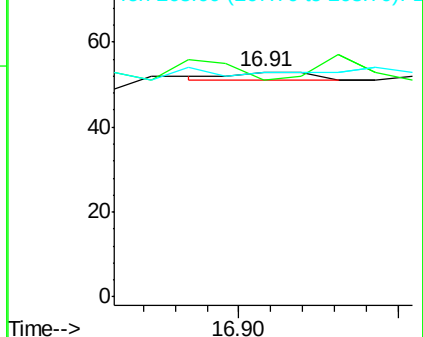
268 100.0 50.1 75.1#

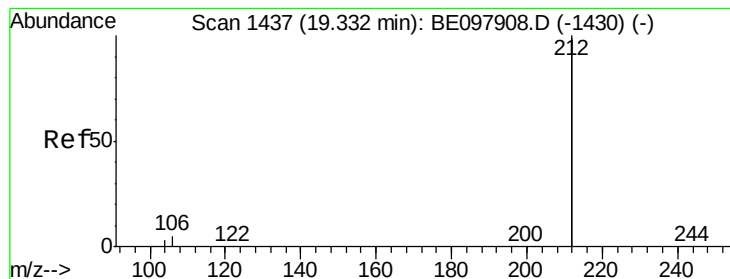


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.464 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004

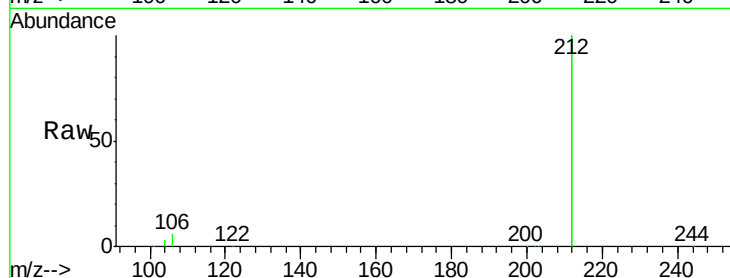
Tgt Ion: 212 Resp: 117452

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

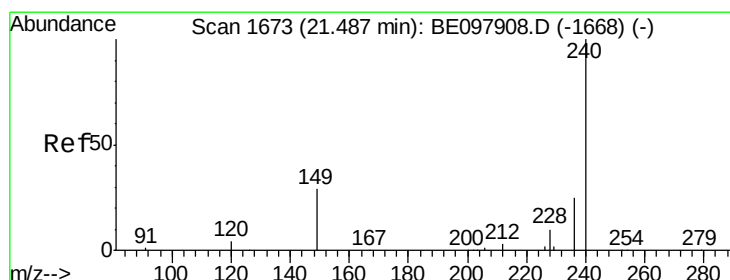
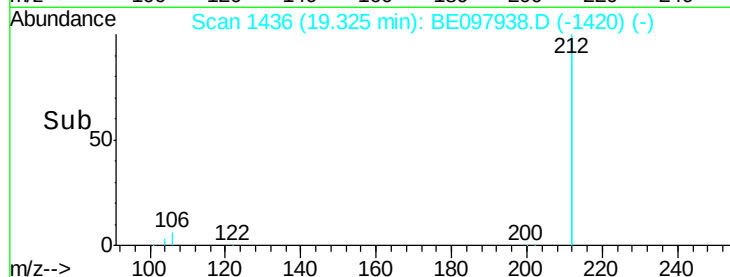
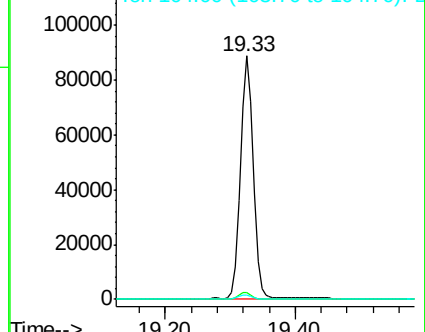
104 1.7 1.3 1.9



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.48 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

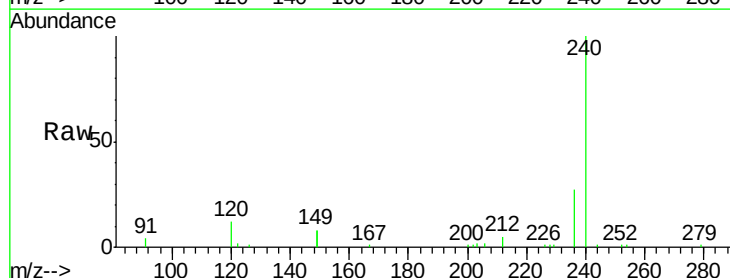
Tgt Ion: 240 Resp: 20594

Ion Ratio Lower Upper

240 100

120 11.9 7.1 10.7#

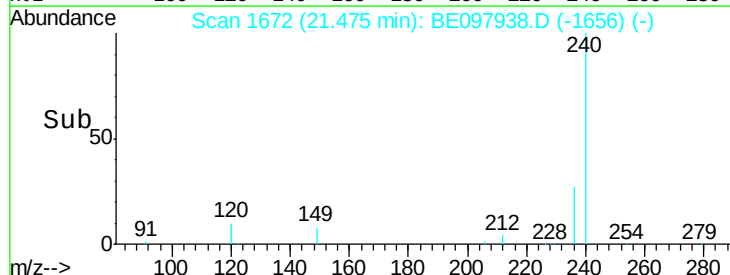
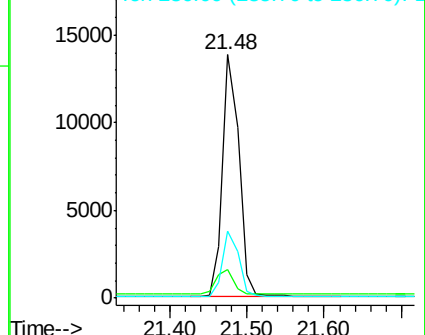
236 27.4 21.3 31.9

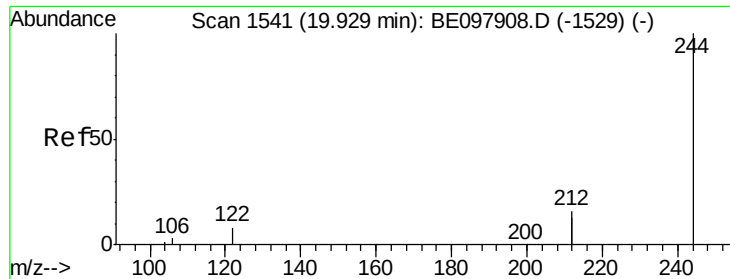


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.937 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097938.D

Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004

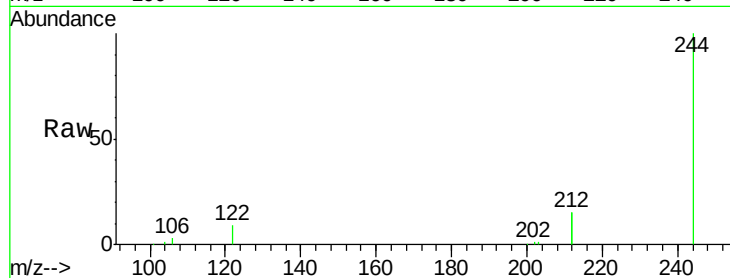
Tgt Ion:244 Resp: 44238

Ion Ratio Lower Upper

244 100

212 30.0 26.2 39.2

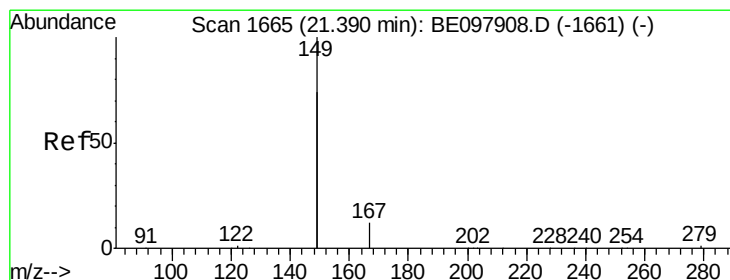
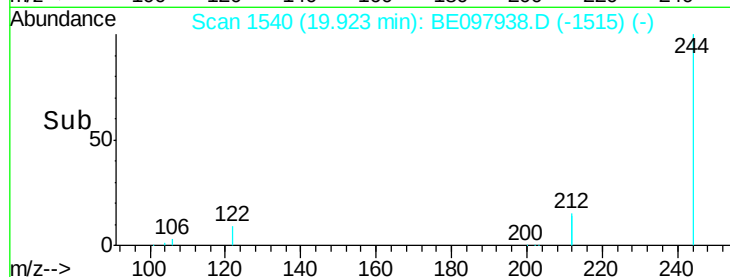
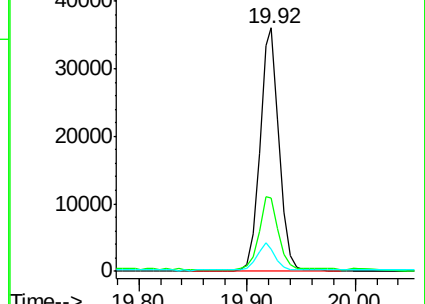
122 9.2 7.7 11.5



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: BE097938.D

Acq: 17 Oct 2018 9:02

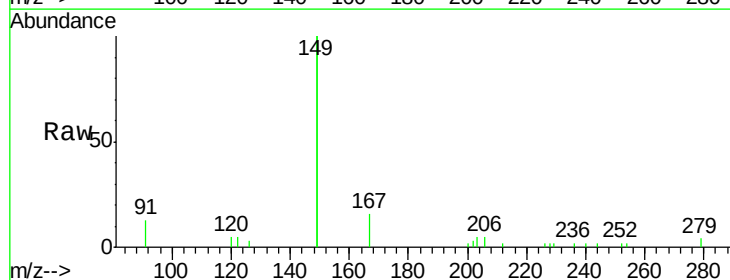
Tgt Ion:149 Resp: 10297

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

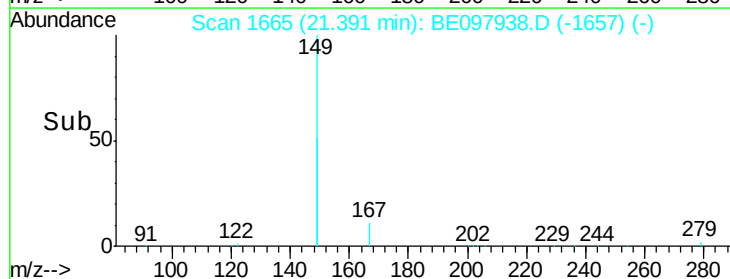
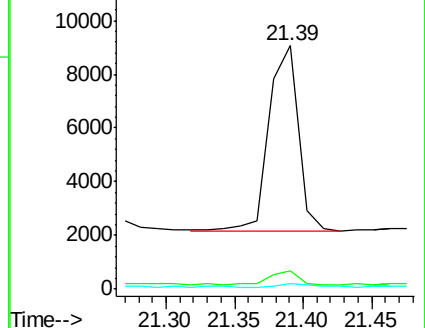
279 1.4 0.9 1.3#

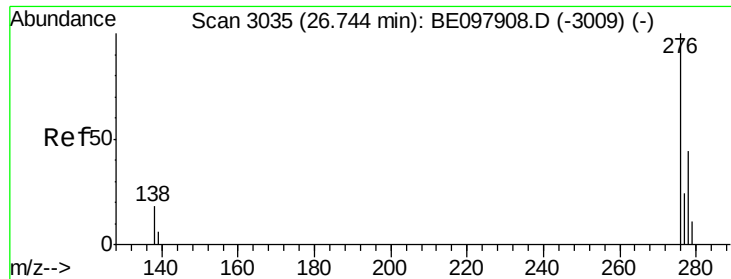


Abundance Ion 149.00 (148.70 to 149.70): E

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# 3033

Delta R.T. -0.01 min

Lab File: BE097938.D

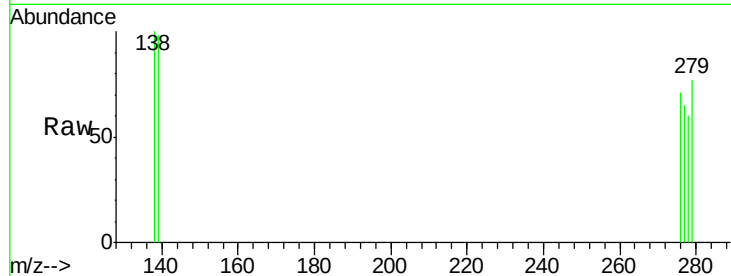
Acq: 17 Oct 2018 9:02

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004



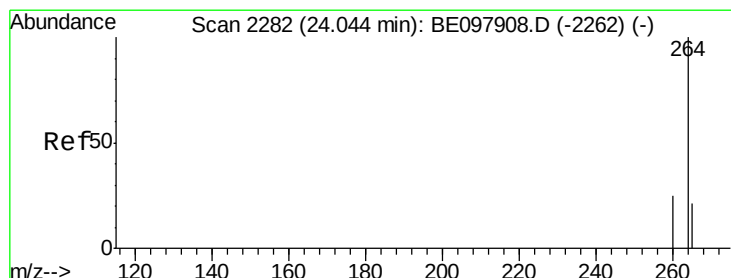
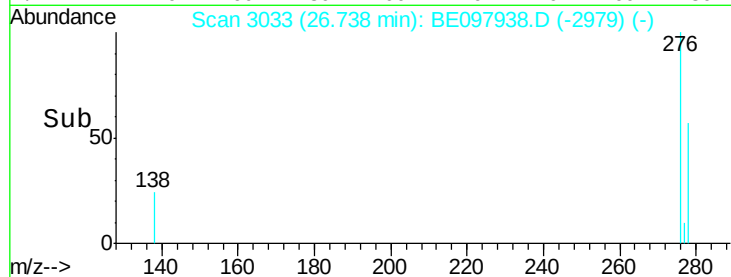
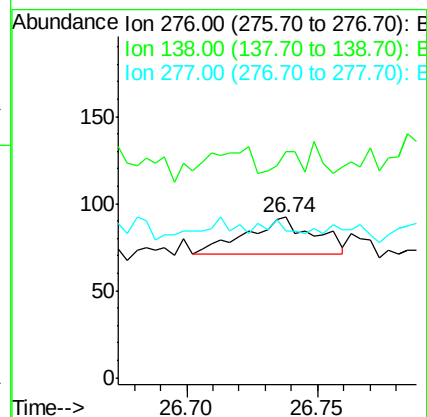
Tgt Ion:276 Resp: 38

Ion Ratio Lower Upper

276 100

138 18.4 17.0 25.6

277 13.2 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: BE097938.D

Acq: 17 Oct 2018 9:02

Tgt Ion:264 Resp: 17237

Ion Ratio Lower Upper

264 100

260 26.1 21.1 31.7

265 27.2 29.2 43.8#

