

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121318\
 Data File : BE098404.D
 Acq On : 13 Dec 2018 19:34
 Operator : SJ/JU
 Sample : J6323-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-122D2-20181206

Quant Time: Dec 13 20:47:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

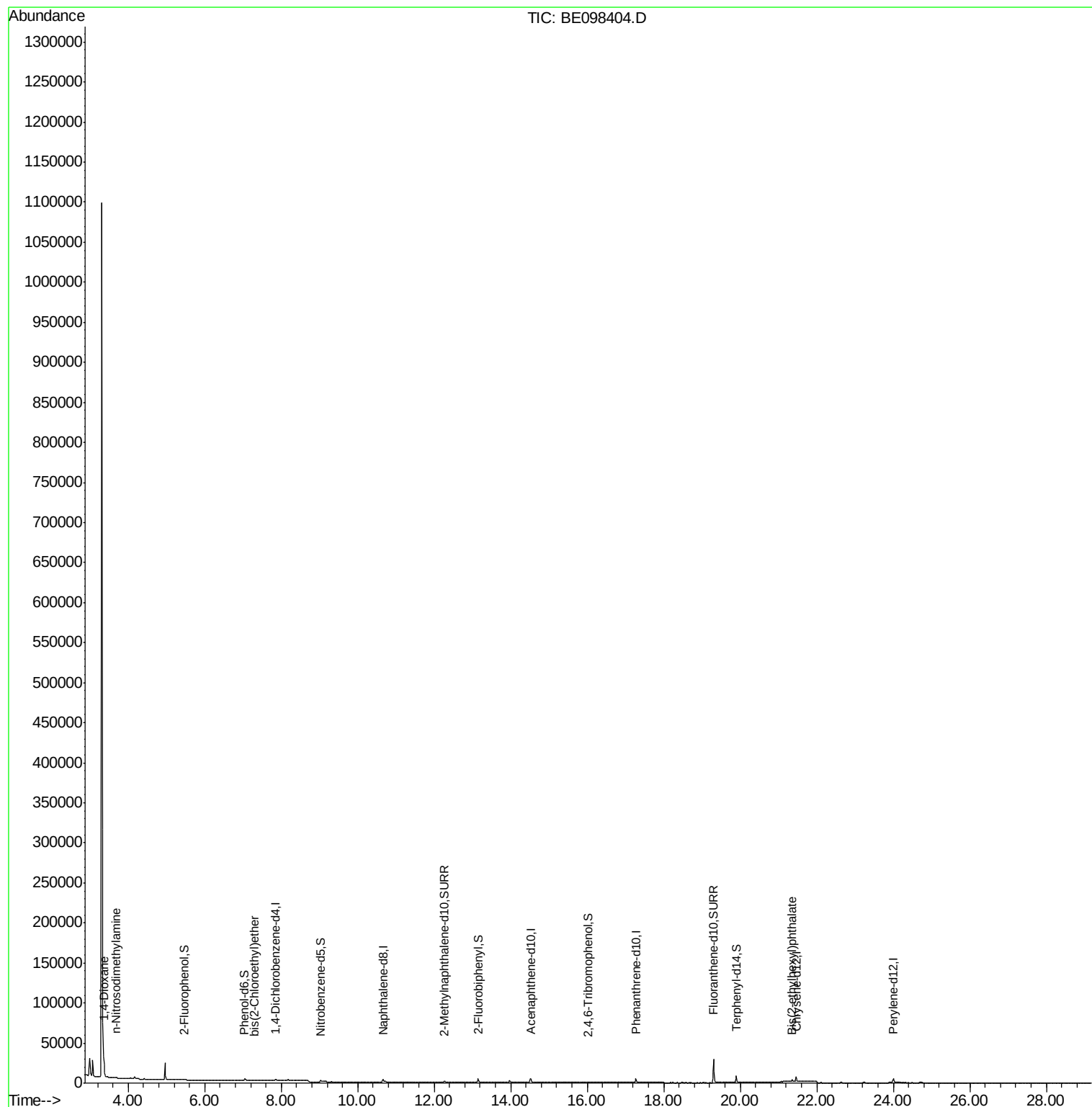
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1140	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4634	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3085	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	8328	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	9579	0.40	ng	0.00
34) Perylene-d12	24.00	264	8993	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	489	0.18	ng	0.00
5) Phenol-d6	7.03	99	460	0.12	ng	-0.01
8) Nitrobenzene-d5	9.03	82	1721	0.41	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2964	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	580	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5098	0.39	ng	0.00
25) Fluoranthene-d10	19.30	212	44908	0.42	ng	0.00
29) Terphenyl-d14	19.90	244	8664	0.37	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.37	88	8066	4.091	ng	# 89
3) n-Nitrosodimethylamine	3.69	42	45	0.025	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	146	0.041	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.35	149	2779	0.050	ng	# 99

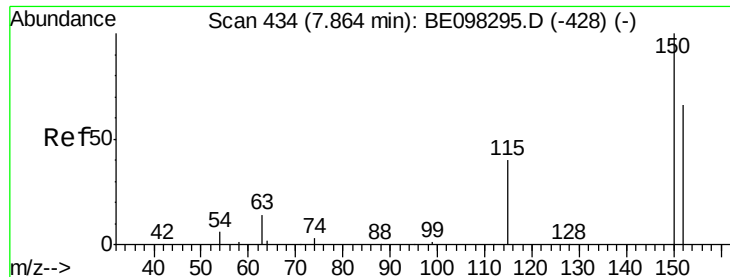
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE-122D2-20181206

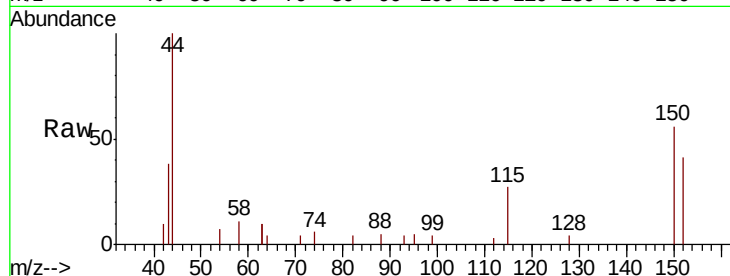
Tgt Ion:152 Resp: 1140

Ion Ratio Lower Upper

152 100

150 138.1 124.2 186.4

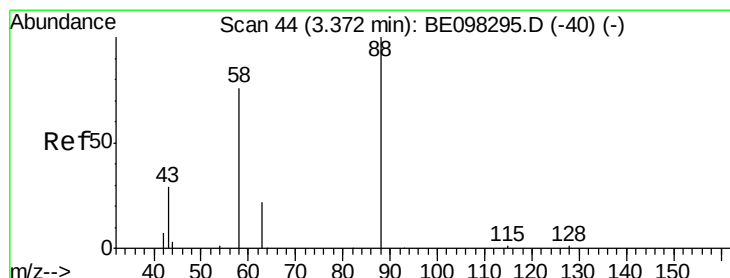
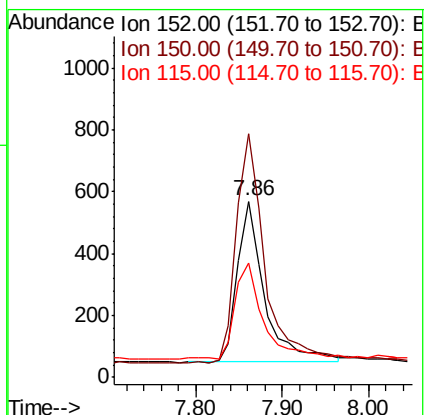
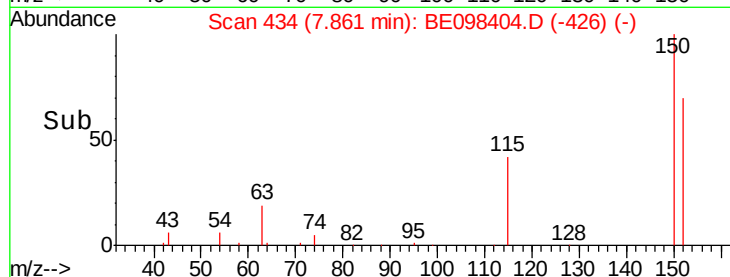
115 65.1 53.9 80.9



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: 4.091 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

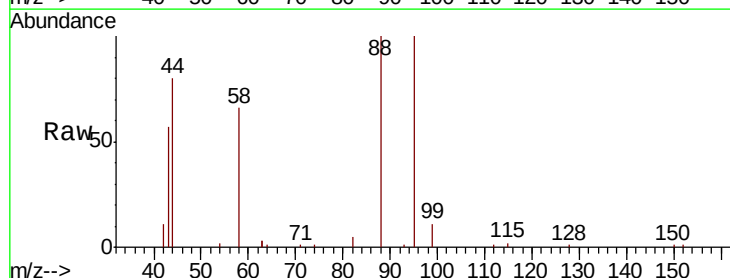
Tgt Ion: 88 Resp: 8066

Ion Ratio Lower Upper

88 100

58 90.6 75.0 112.6

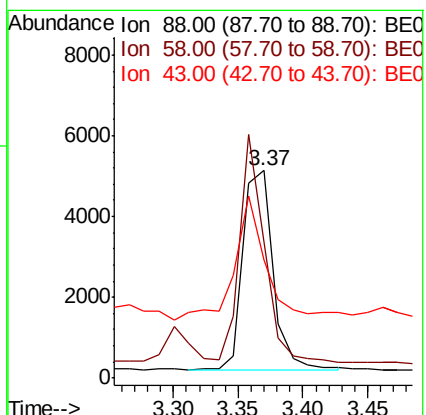
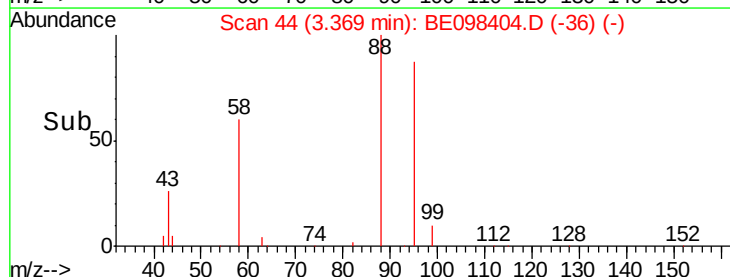
43 65.2 38.3 57.5

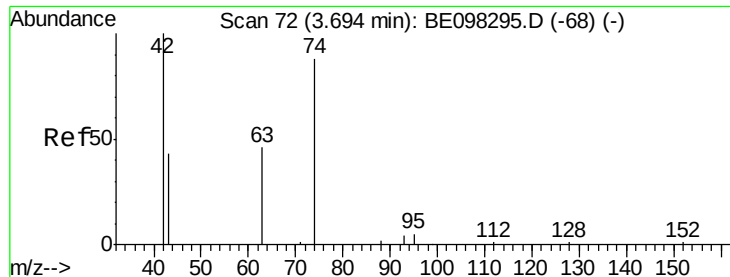


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.025 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

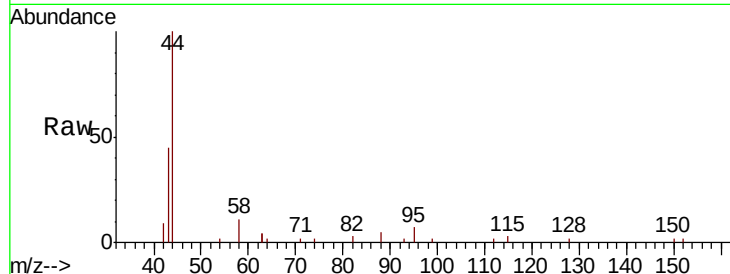
Instrument :

BNA_E

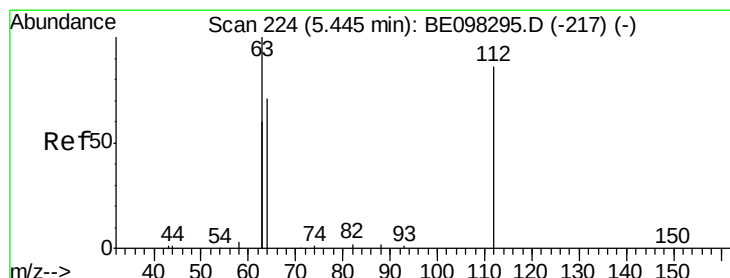
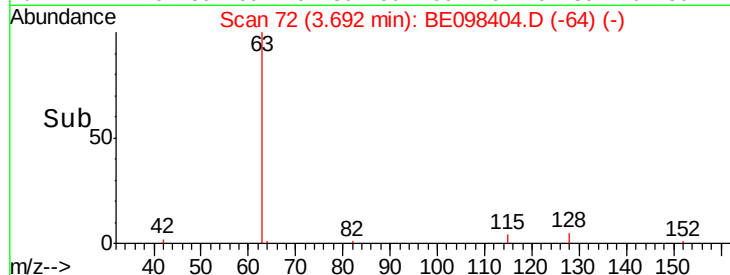
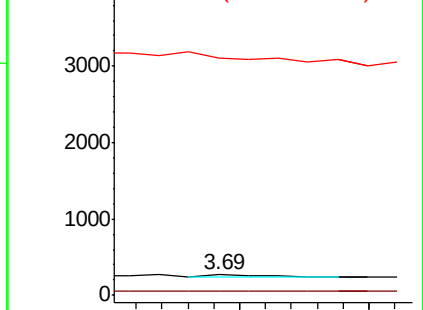
ClientSampleId :

RE-122D2-20181206

Tgt Ion:	42	Resp:	45
Ion	Ratio	Lower	Upper
42	100		
74	17.8	0.0	0.0#
44	0.0	0.0	0.0



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: 0.183 ng

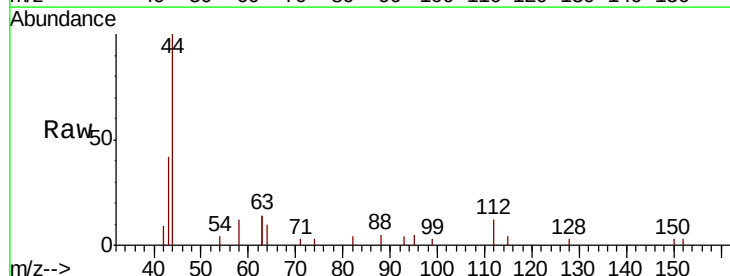
RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

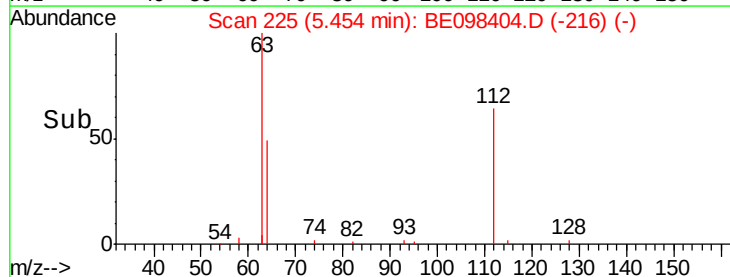
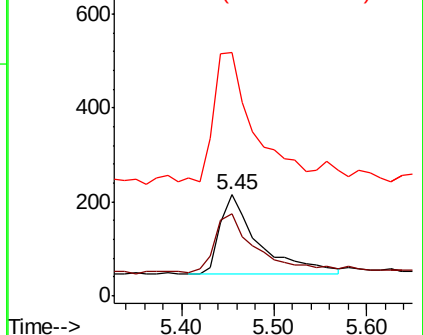
Lab File: BE098404.D

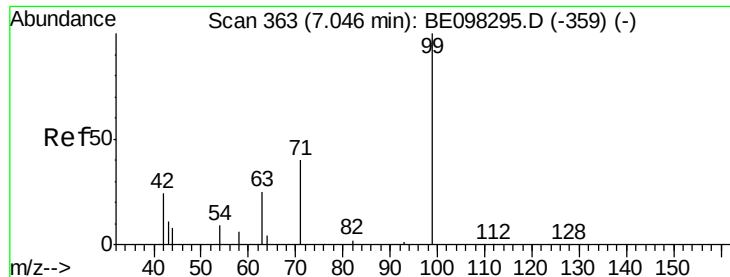
Acq: 13 Dec 2018 19:34

Tgt Ion:	112	Resp:	489
Ion	Ratio	Lower	Upper
112	100		
64	81.4	59.8	89.8
63	168.7	133.7	200.5



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: 0.122 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE-122D2-20181206

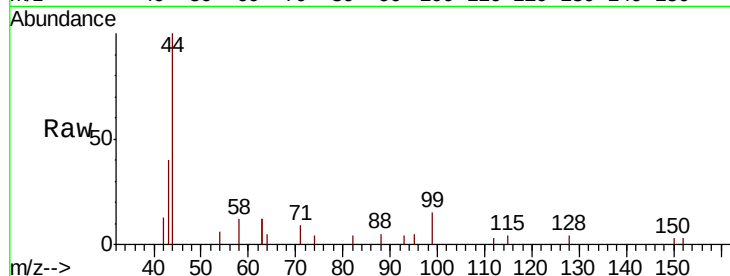
Tgt Ion: 99 Resp: 460

Ion Ratio Lower Upper

99 100

42 68.7 26.3 39.5#

71 41.5 33.6 50.4



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

7.03

250

200

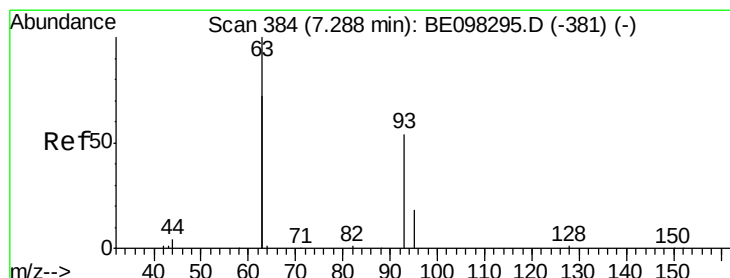
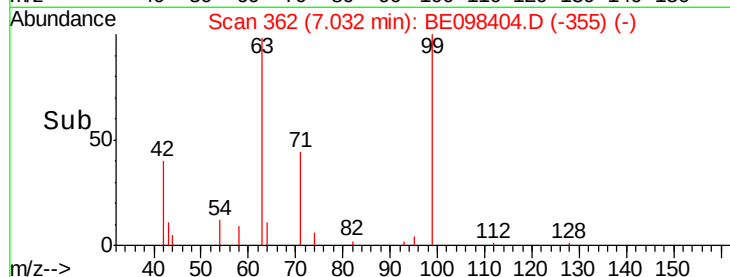
150

100

50

0

Time--> 6.90 7.00 7.10 7.20



#6

bis(2-Chloroethyl)ether

Concen: 0.041 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

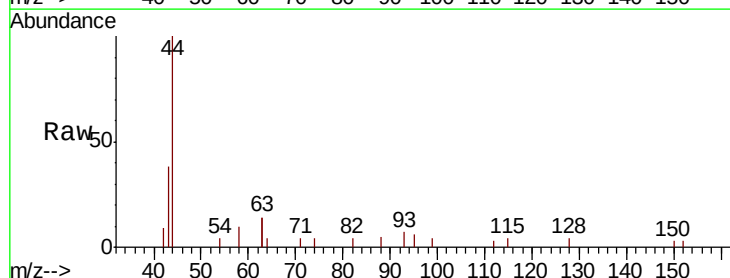
Tgt Ion: 93 Resp: 146

Ion Ratio Lower Upper

93 100

63 282.9 264.4 396.6

95 43.8 26.6 40.0#



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

500

400

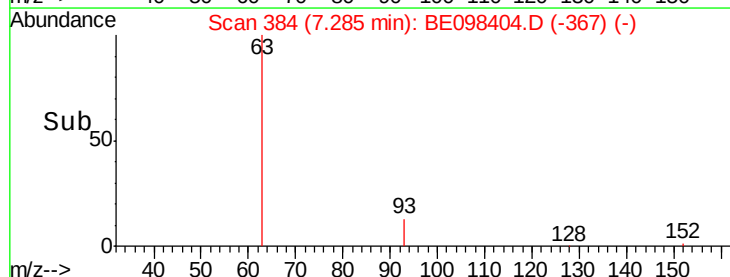
300

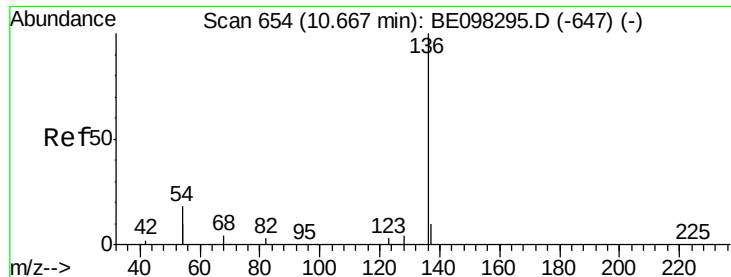
200

100

0

Time--> 7.20 7.30 7.40





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE-122D2-20181206

Tgt Ion:136 Resp: 4634

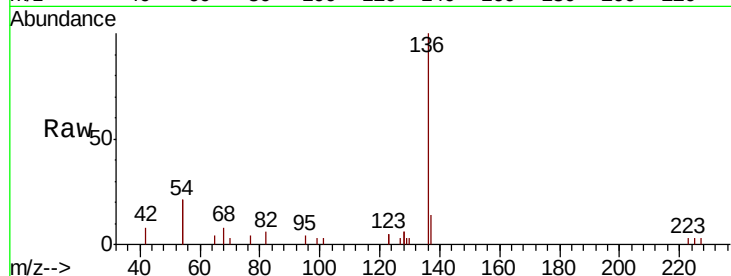
Ion Ratio Lower Upper

136 100

137 13.9 9.2 13.8#

54 42.5 28.4 42.6

68 8.3 5.4 8.0#

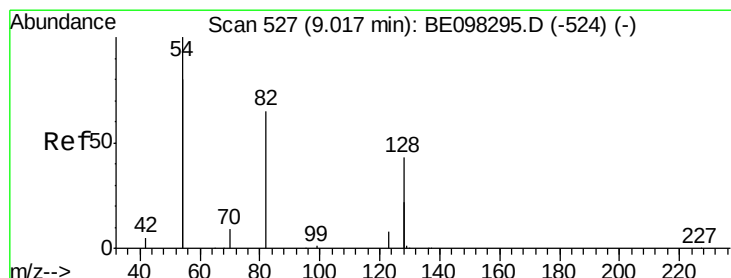
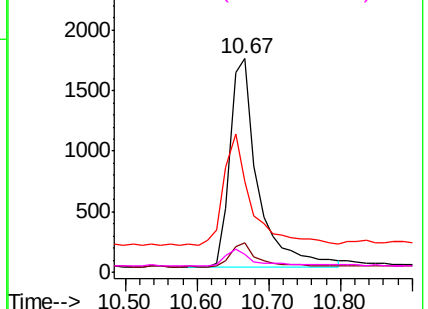
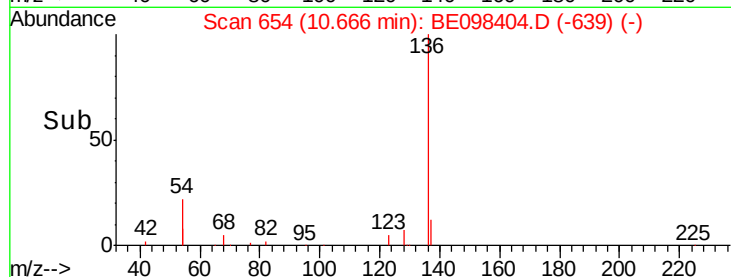


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.408 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

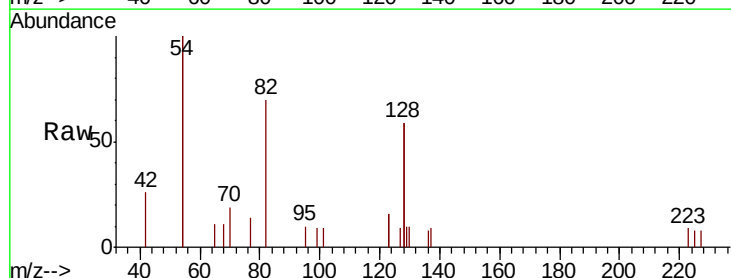
Tgt Ion: 82 Resp: 1721

Ion Ratio Lower Upper

82 100

128 169.8 102.4 153.6#

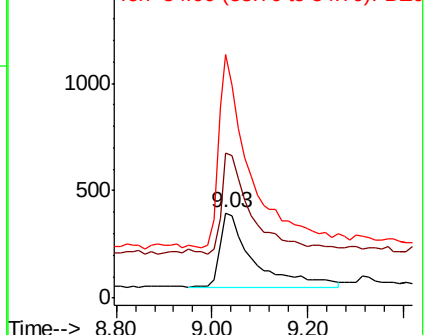
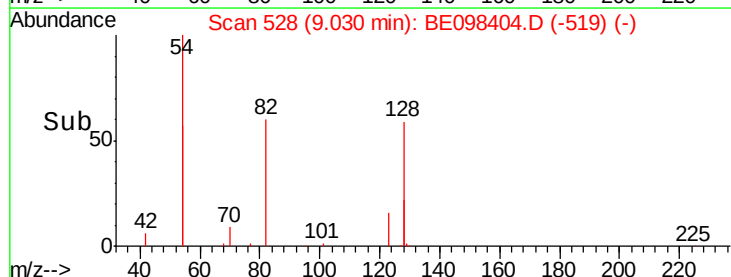
54 285.6 221.8 332.8

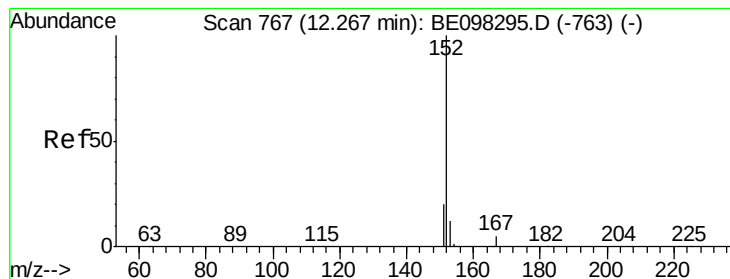


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

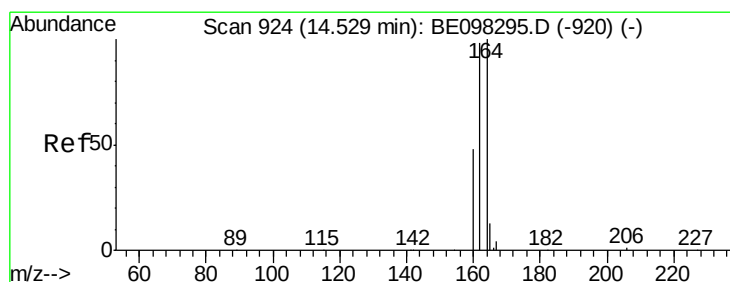
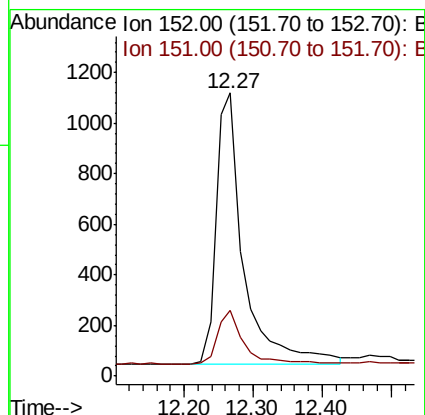
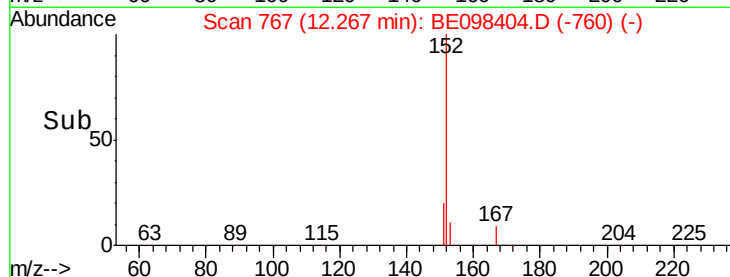
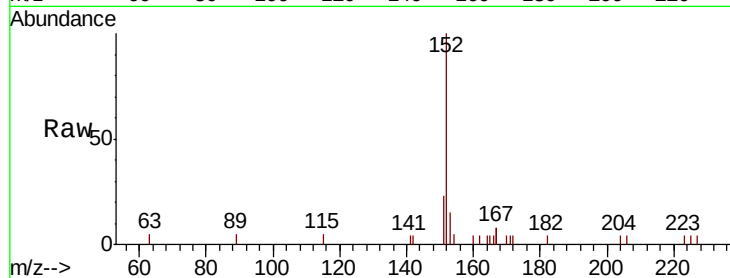
RE-122D2-20181206

Tgt Ion:152 Resp: 2964

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.4



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

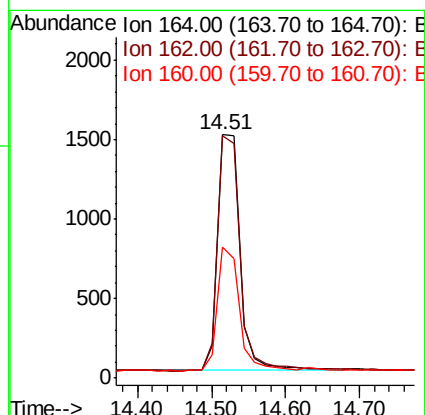
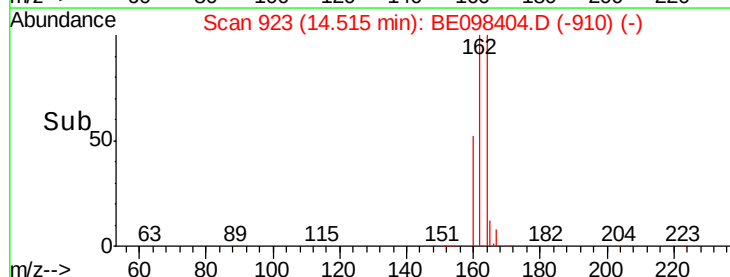
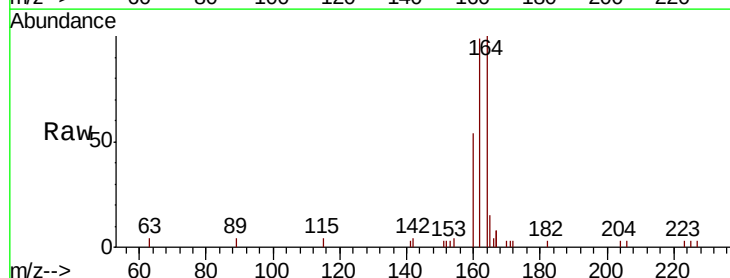
Tgt Ion:164 Resp: 3085

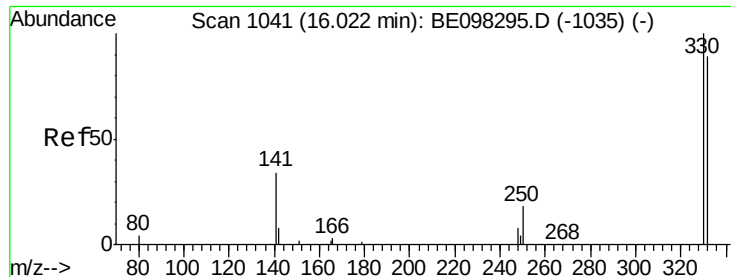
Ion Ratio Lower Upper

164 100

162 99.4 77.6 116.4

160 53.8 36.0 54.0

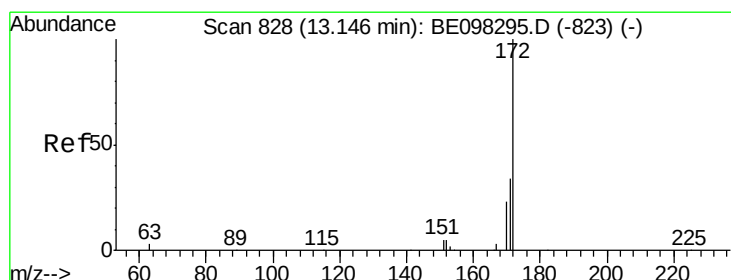
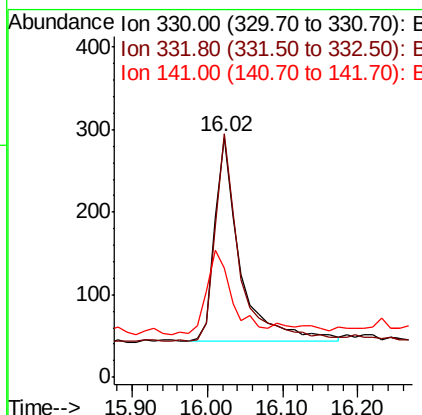
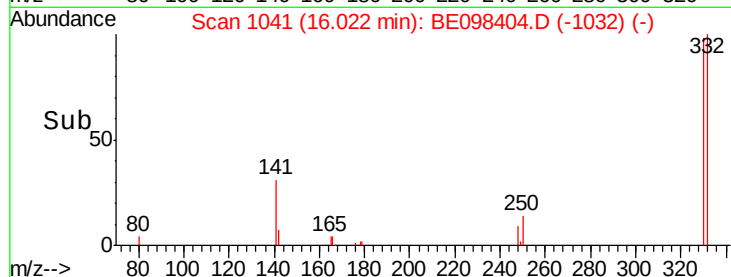
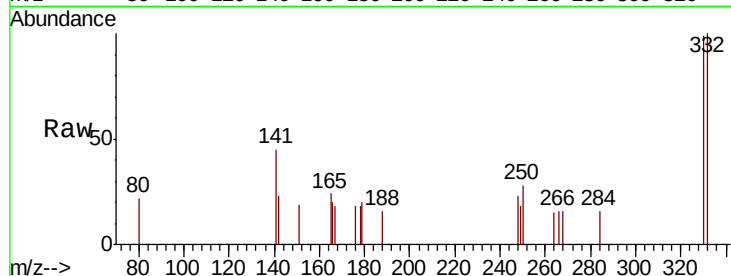




#14
 2,4,6-Tribromophenol
 Concen: 0.512 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098404.D
 Acq: 13 Dec 2018 19:34

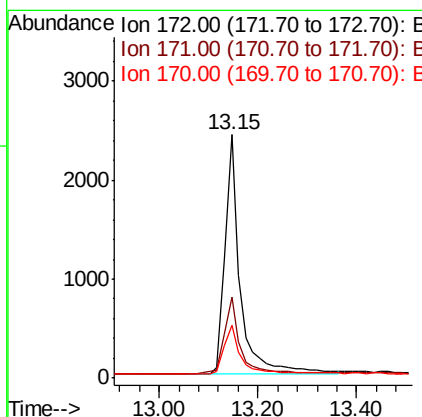
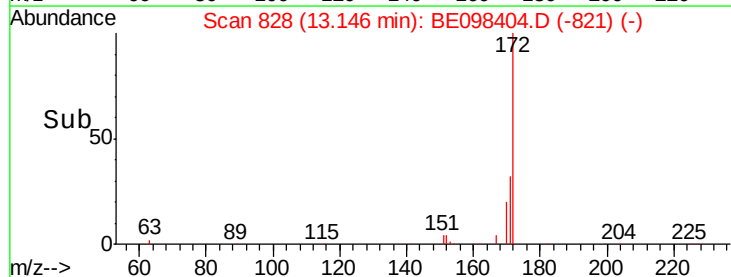
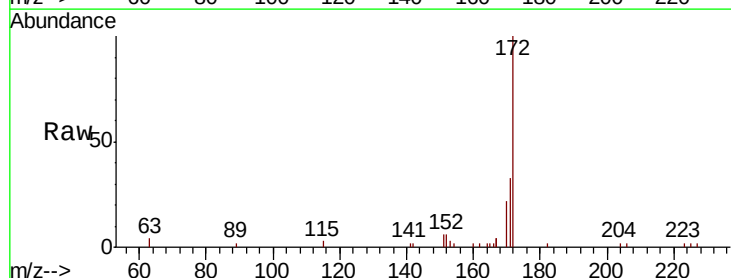
Instrument :
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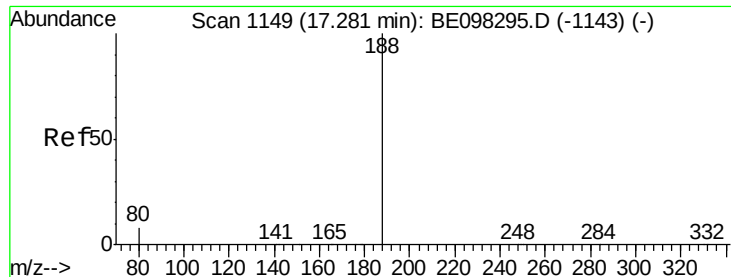
Tgt Ion: 330 Resp: 580
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.2 114.4
 141 42.9 39.0 58.4



#15
 2-Fluorobiphenyl
 Concen: 0.392 ng
 RT: 13.15 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BE098404.D
 Acq: 13 Dec 2018 19:34

Tgt Ion: 172 Resp: 5098
 Ion Ratio Lower Upper
 172 100
 171 33.4 27.5 41.3
 170 21.9 19.6 29.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE-122D2-20181206

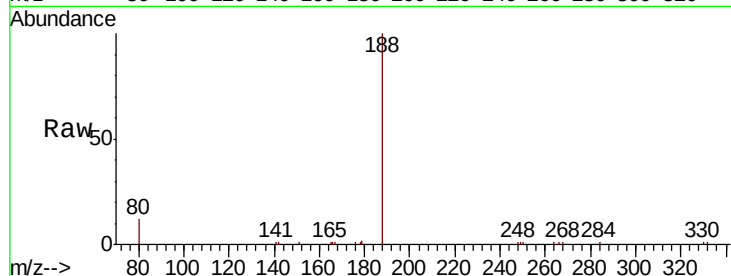
Tgt Ion:188 Resp: 8328

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

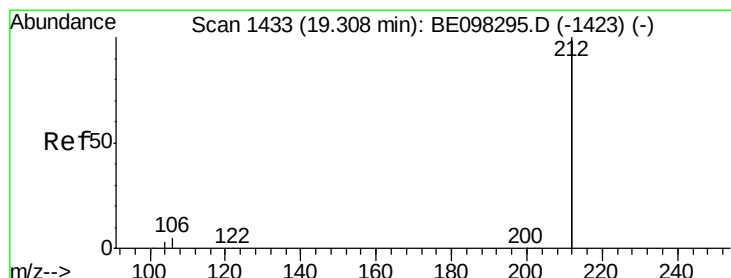
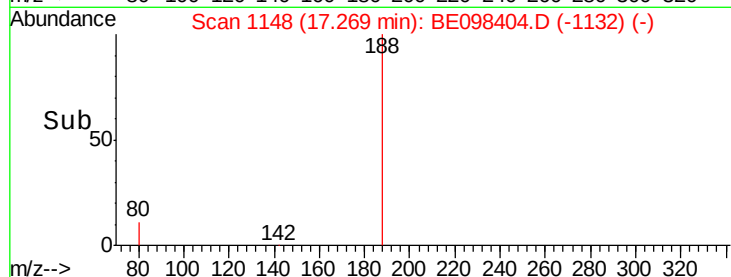
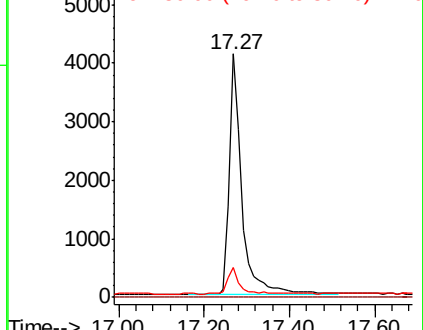
80 12.0 7.2 10.8#



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



#25

Fluoranthene-d10

Concen: 0.420 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

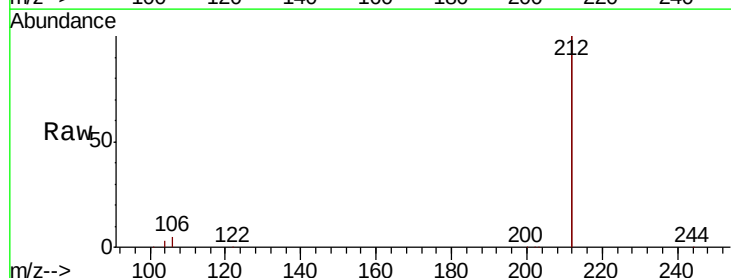
Tgt Ion:212 Resp: 44908

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

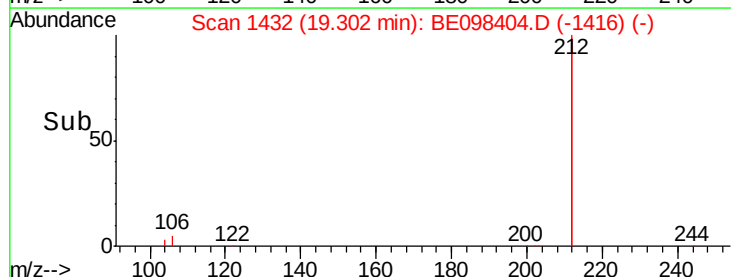
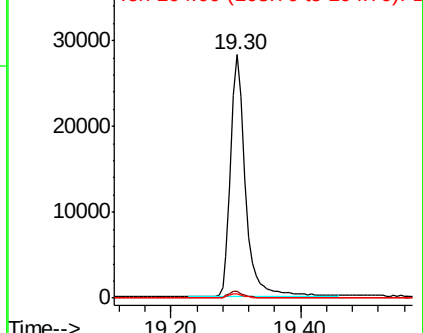
104 1.5 1.3 1.9

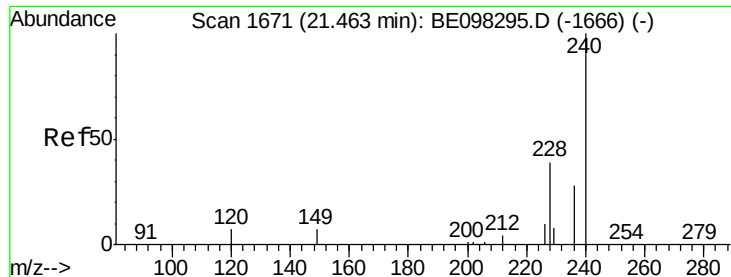


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE-122D2-20181206

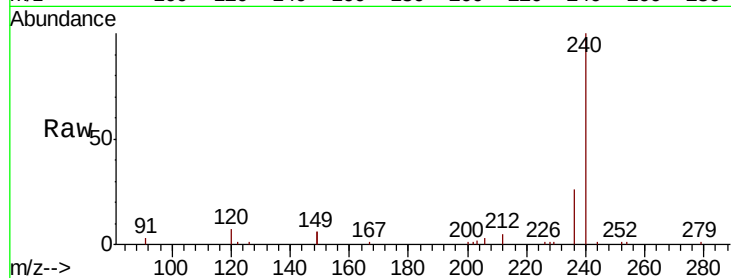
Tgt Ion:240 Resp: 9579

Ion Ratio Lower Upper

240 100

120 6.8 9.5 14.3#

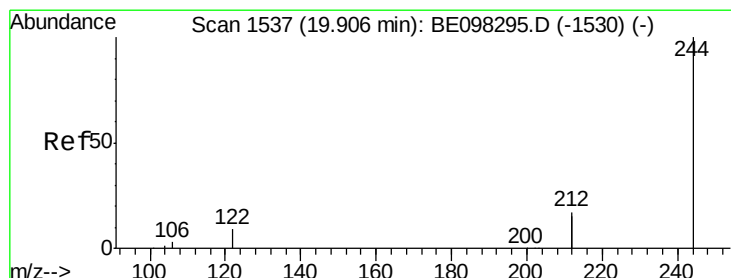
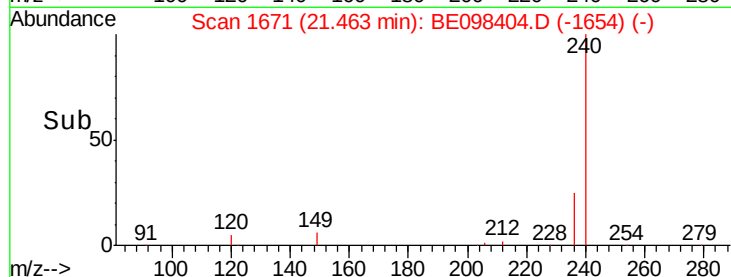
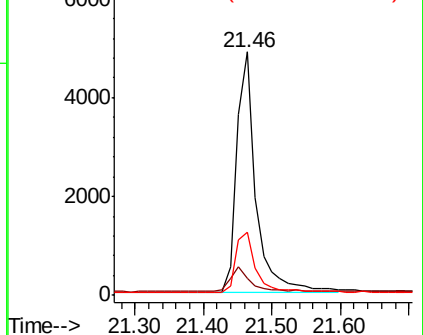
236 26.0 22.7 34.1



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: 0.372 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

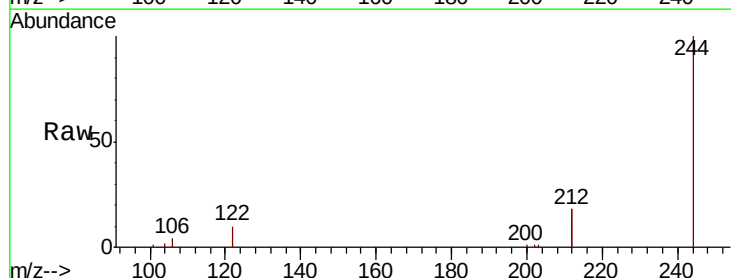
Tgt Ion:244 Resp: 8664

Ion Ratio Lower Upper

244 100

212 36.0 27.4 41.0

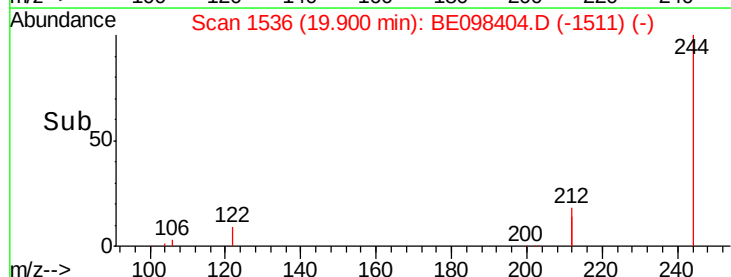
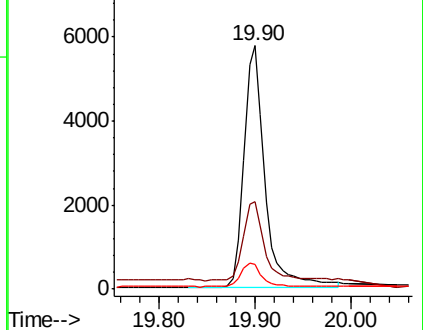
122 10.1 8.3 12.5

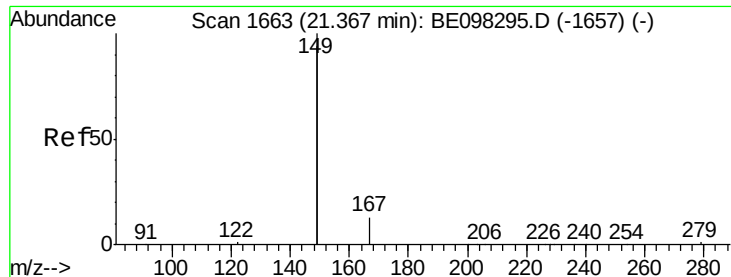


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.050 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE-122D2-20181206

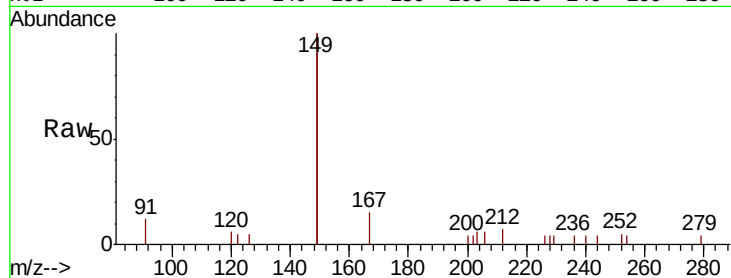
Tgt Ion:149 Resp: 2779

Ion Ratio Lower Upper

149 100

167 6.7 5.7 8.5

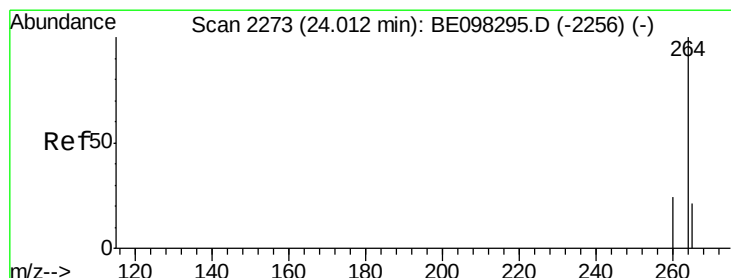
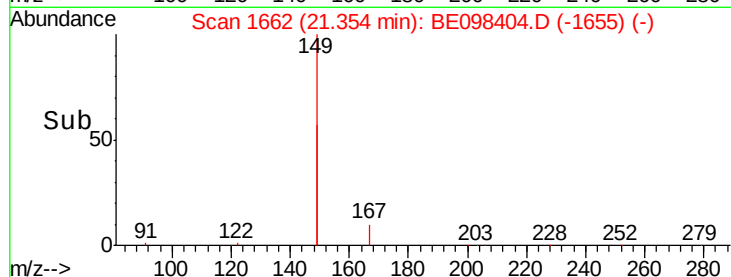
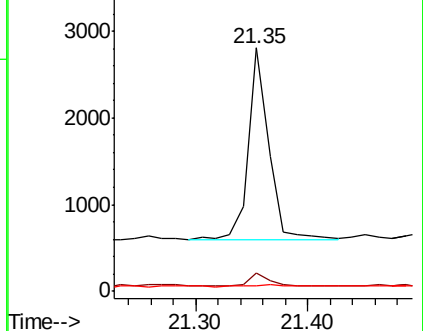
279 1.6 1.0 1.4#



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

Perylene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BE098404.D

Acq: 13 Dec 2018 19:34

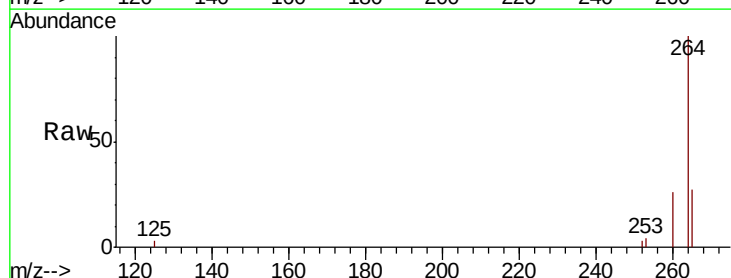
Tgt Ion:264 Resp: 8993

Ion Ratio Lower Upper

264 100

260 26.4 20.2 30.2

265 27.0 25.2 37.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

