

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121218\
 Data File : BE098382.D
 Acq On : 13 Dec 2018 4:01
 Operator : SJ/JU
 Sample : J6325-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-125D1-20181204

Quant Time: Dec 13 05:54:48 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	1146	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4943	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3245	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	8765	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	10694	0.40	ng	0.00
34) Perylene-d12	24.00	264	10186	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	632	0.24	ng	0.00
5) Phenol-d6	7.04	99	483	0.13	ng	0.00
8) Nitrobenzene-d5	9.03	82	1769	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	3468	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	629	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	6700	0.49	ng	0.00
25) Fluoranthene-d10	19.30	212	53648	0.48	ng	0.00
29) Terphenyl-d14	19.90	244	11573	0.45	ng	0.00

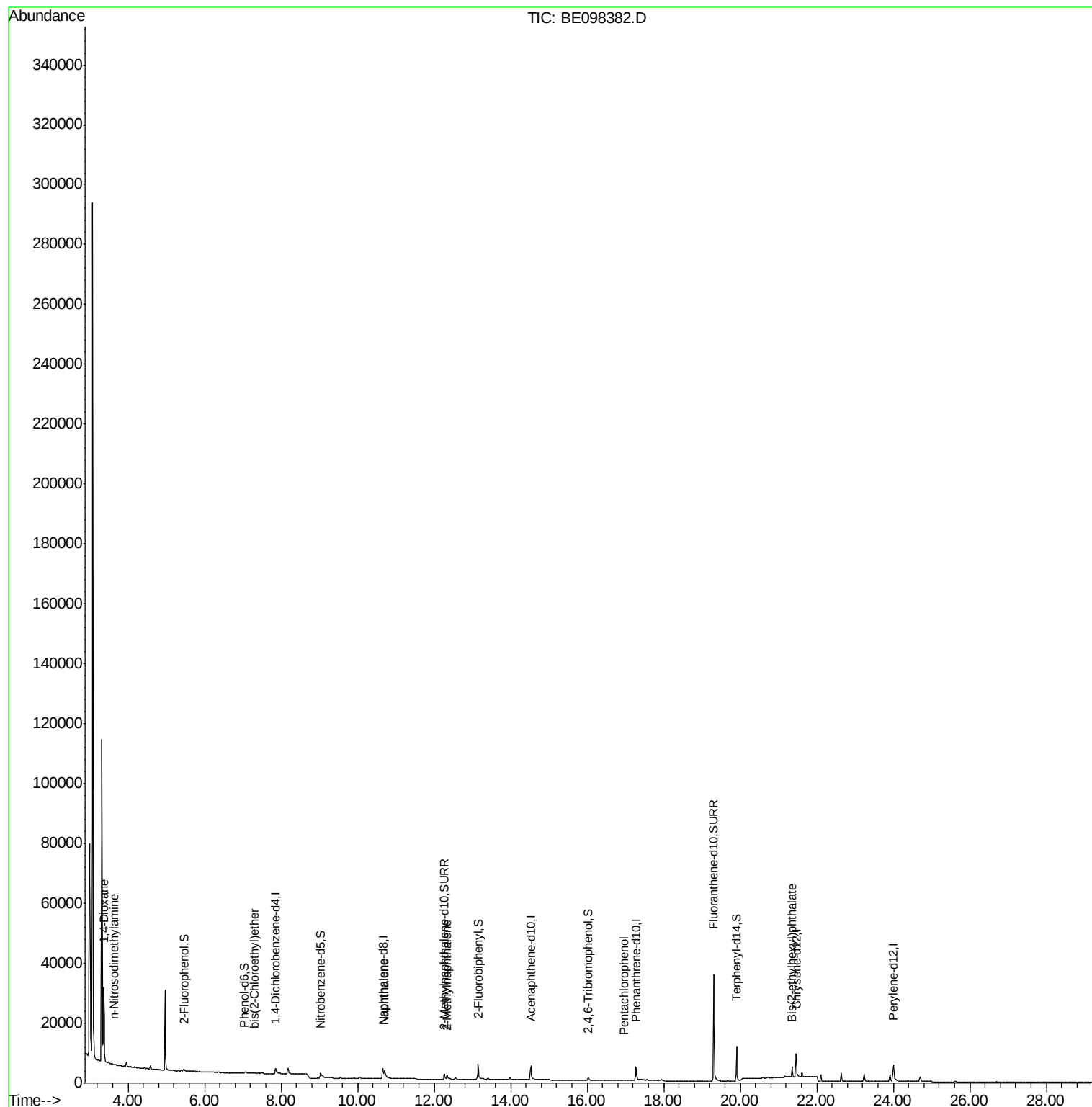
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	12517	6.316	ng	99
3) n-Nitrosodimethylamine	3.62	42	66	0.037	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	78	0.022	ng	# 36
9) Naphthalene	10.70	128	5910	0.119	ng	# 96
12) 2-Methylnaphthalene	12.34	142	1366	0.169	ng	97
22) Pentachlorophenol	16.95	266	10	0.029	ng	# 71
32) Bis(2-ethylhexyl)phthalate	21.36	149	4449	0.072	ng	99

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

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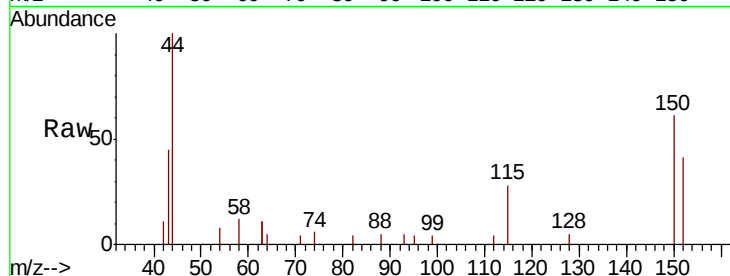


#1

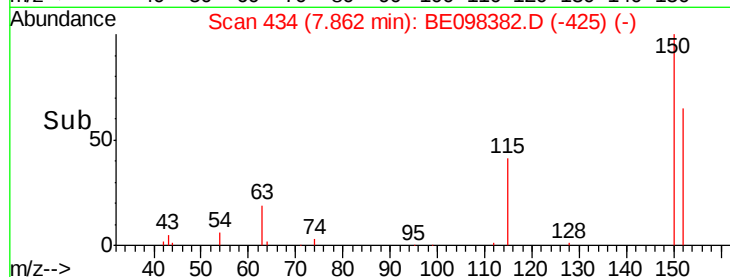
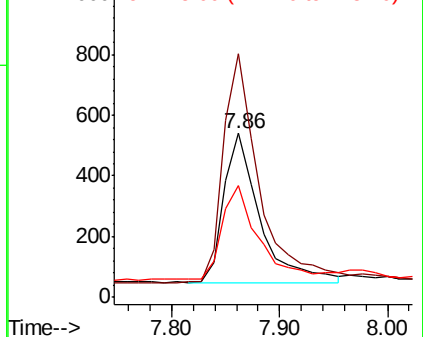
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098382.D
Acq: 13 Dec 2018 4:01

Instrument :
BNA_E
ClientSampleId :
RE-125D1-20181204

Tgt Ion: 152 Resp: 1146
Ion Ratio Lower Upper
152 100
150 148.2 124.2 186.4
115 68.2 53.9 80.9



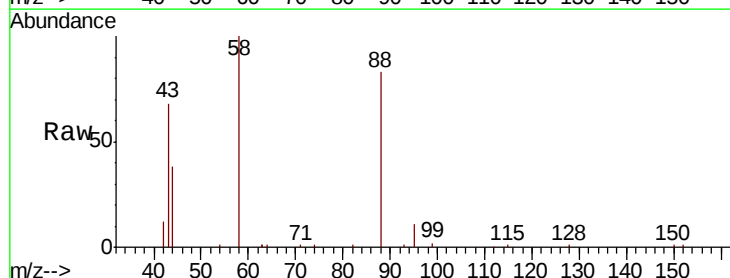
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



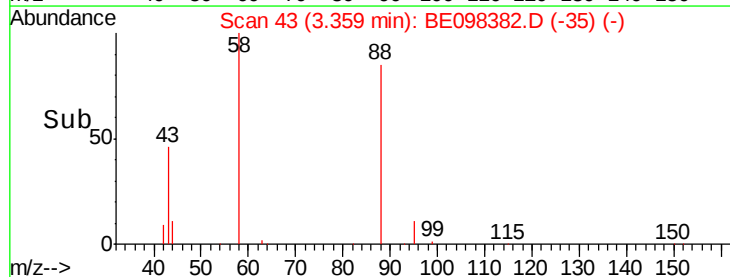
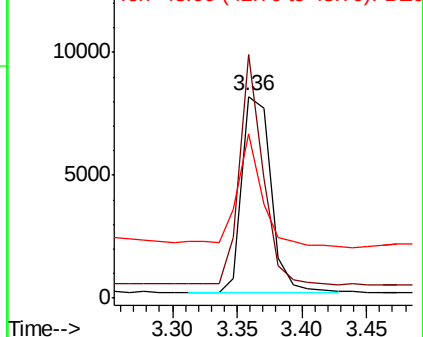
#2

1,4-Dioxane
Concen: 6.316 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098382.D
Acq: 13 Dec 2018 4:01

Tgt Ion: 88 Resp: 12517
Ion Ratio Lower Upper
88 100
58 92.7 75.0 112.6
43 49.1 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: 0.037 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.07 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

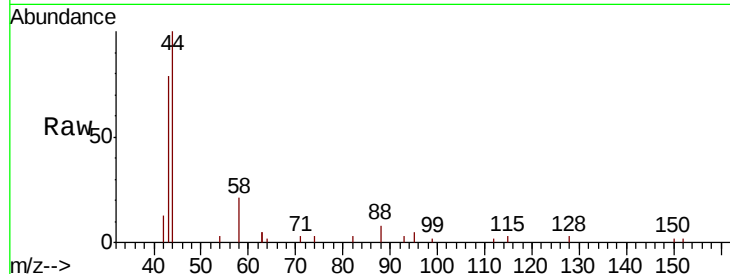
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

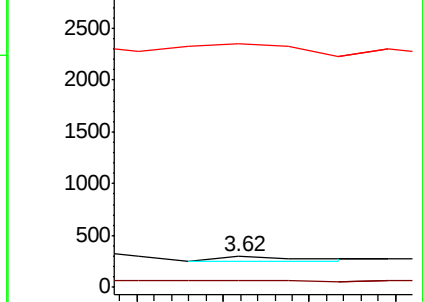
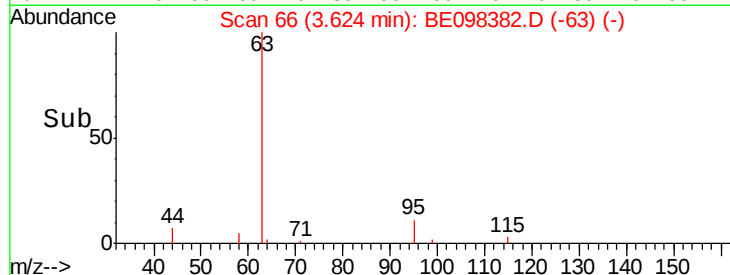
44 0.0 0.0 0.0



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: 0.236 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

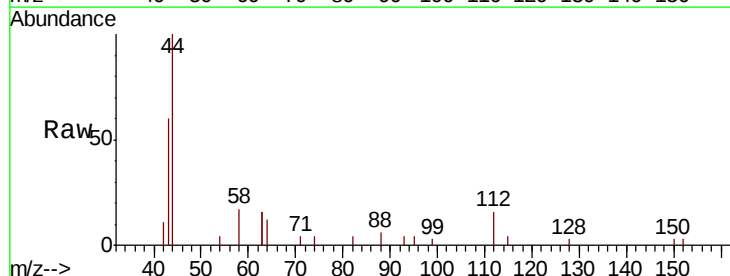
Tgt Ion: 112 Resp: 632

Ion Ratio Lower Upper

112 100

64 72.5 59.8 89.8

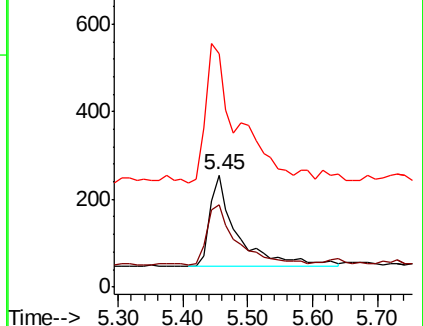
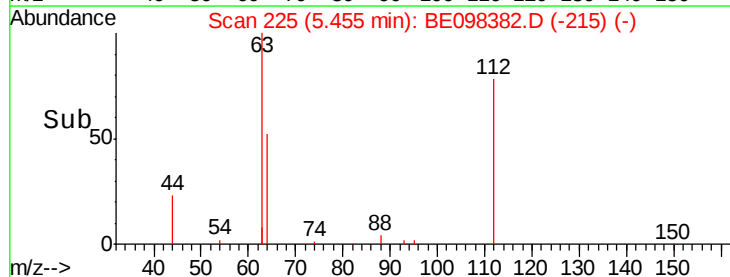
63 176.9 133.7 200.5



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: 0.127 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

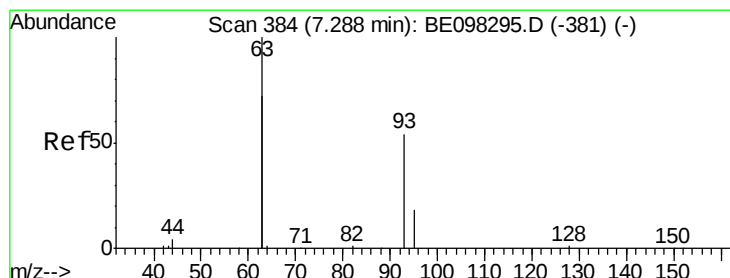
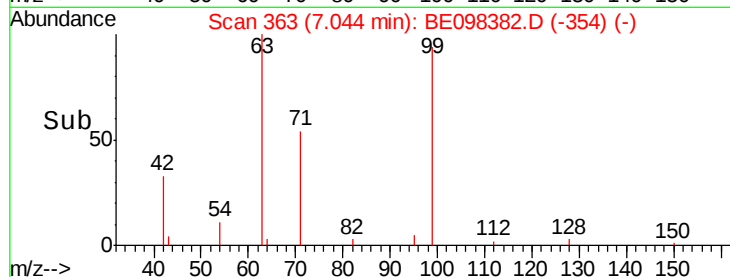
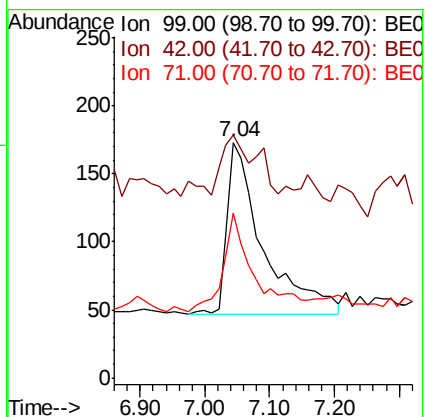
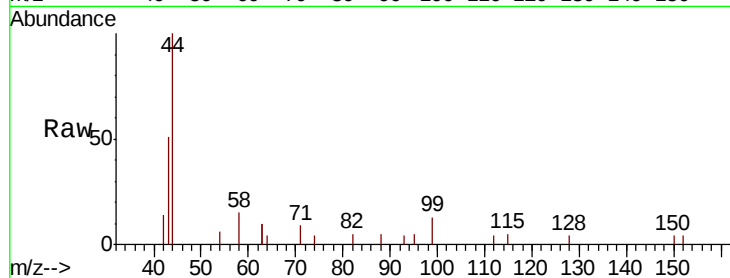
Tgt Ion: 99 Resp: 483

Ion Ratio Lower Upper

99 100

42 33.5 26.3 39.5

71 48.7 33.6 50.4



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

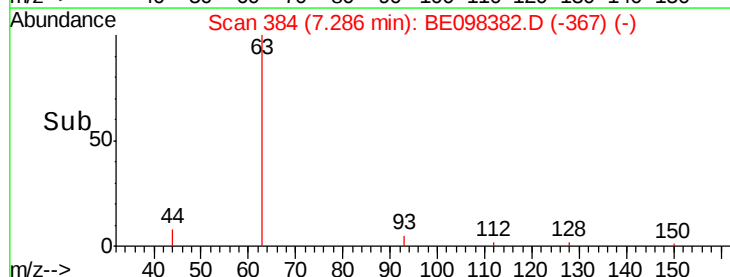
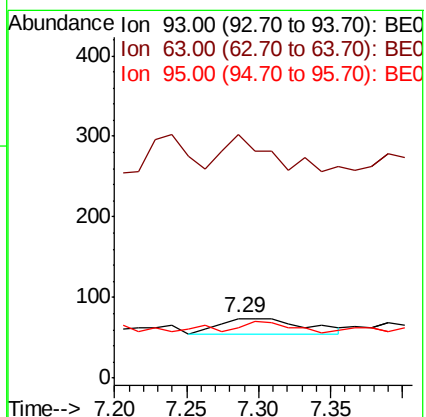
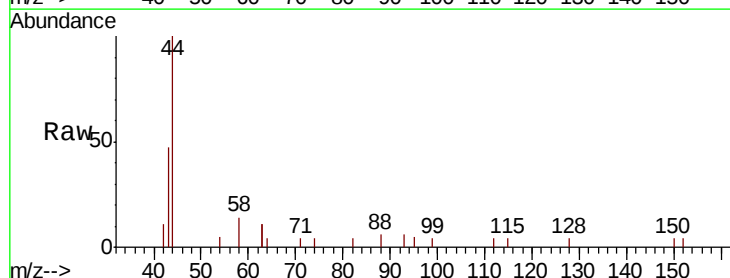
Tgt Ion: 93 Resp: 78

Ion Ratio Lower Upper

93 100

63 187.2 264.4 396.6#

95 41.0 26.6 40.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

Tgt Ion:136 Resp: 4943

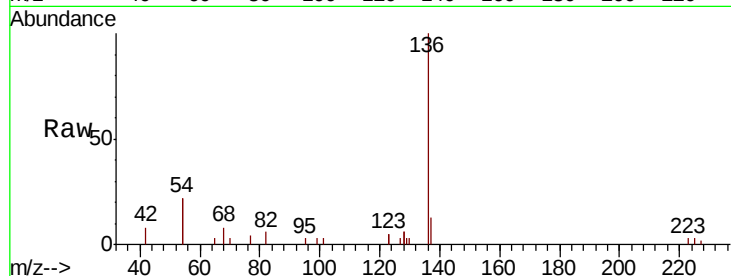
Ion Ratio Lower Upper

136 100

137 12.6 9.2 13.8

54 44.5 28.4 42.6#

68 7.5 5.4 8.0

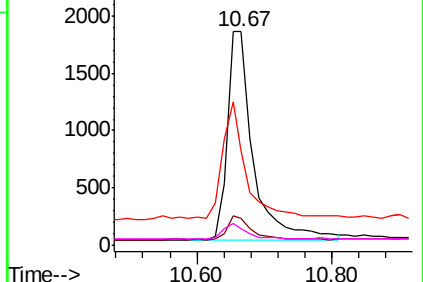
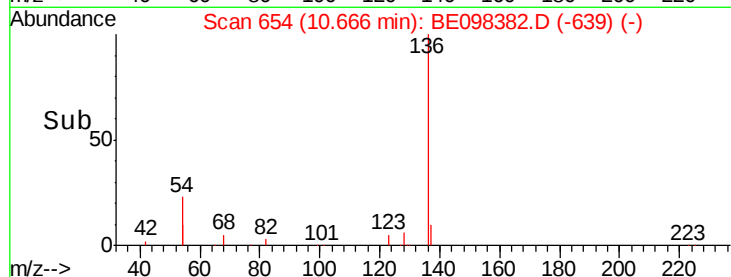


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.393 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

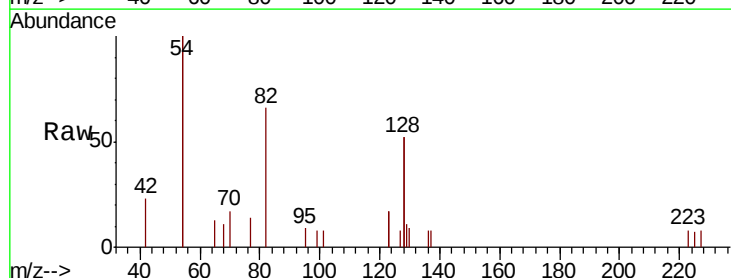
Tgt Ion: 82 Resp: 1769

Ion Ratio Lower Upper

82 100

128 156.7 102.4 153.6#

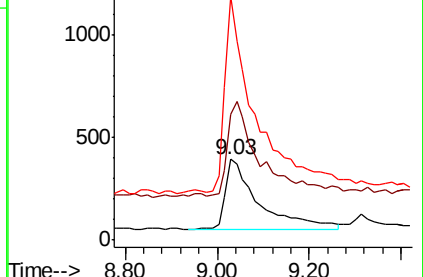
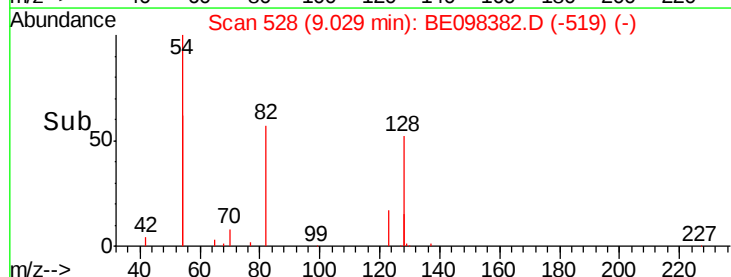
54 302.8 221.8 332.8

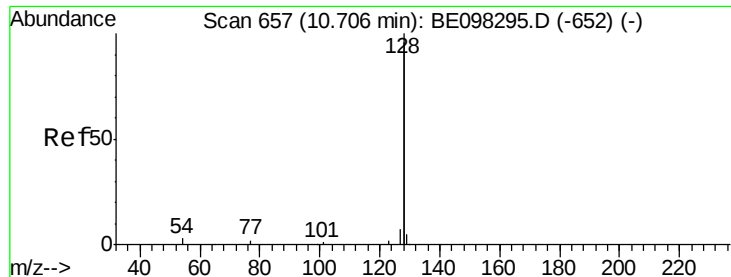


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.119 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

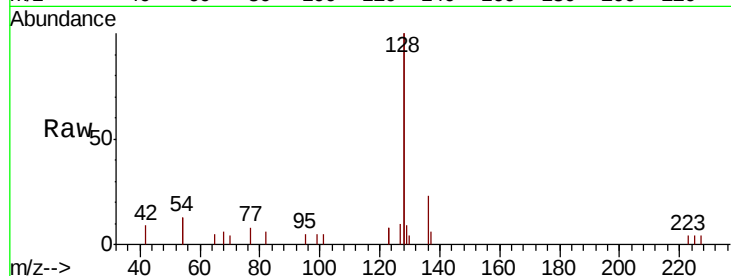
Tgt Ion:128 Resp: 5910

Ion Ratio Lower Upper

128 100

129 4.4 2.5 3.7#

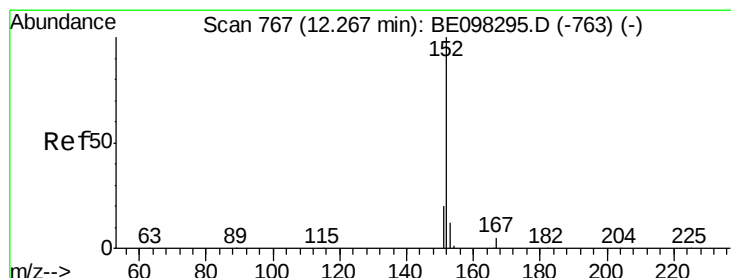
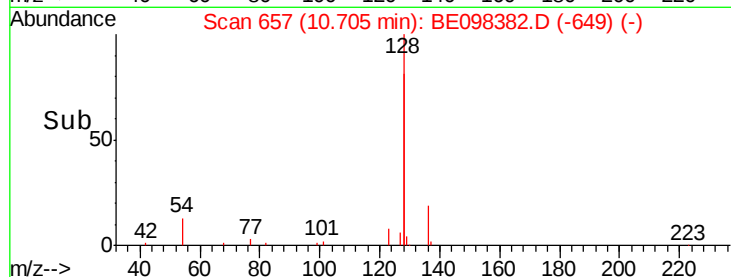
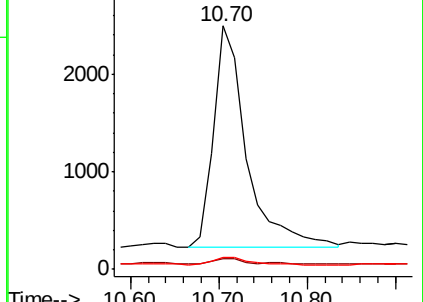
127 5.0 2.7 4.1#



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: 0.431 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098382.D

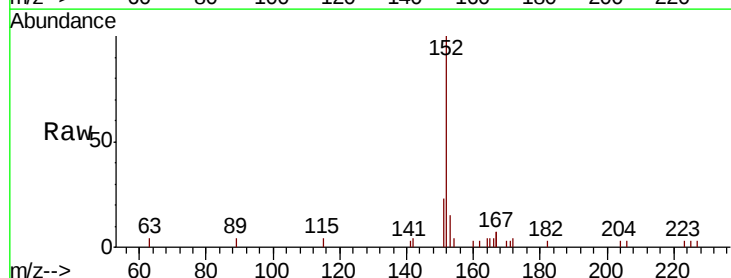
Acq: 13 Dec 2018 4:01

Tgt Ion:152 Resp: 3468

Ion Ratio Lower Upper

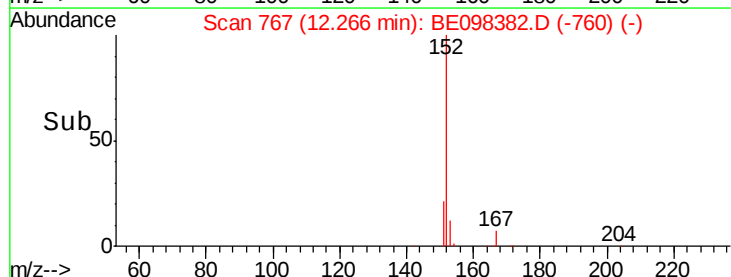
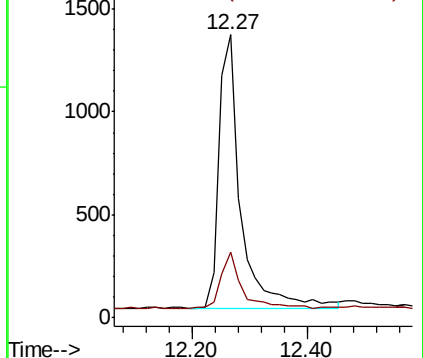
152 100

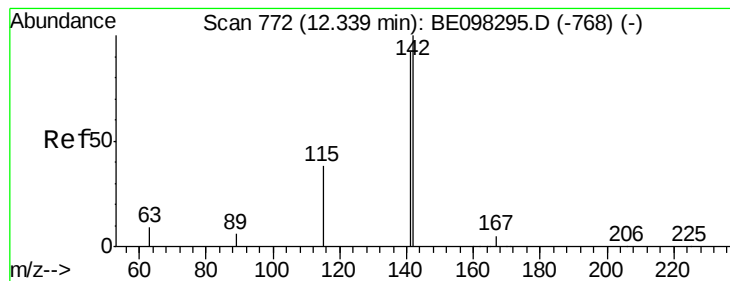
151 19.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.169 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

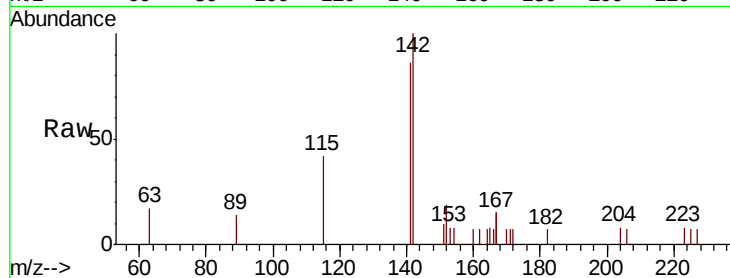
Tgt Ion:142 Resp: 1366

Ion Ratio Lower Upper

142 100

141 86.2 71.0 106.6

115 42.1 32.2 48.2



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

12.34

600

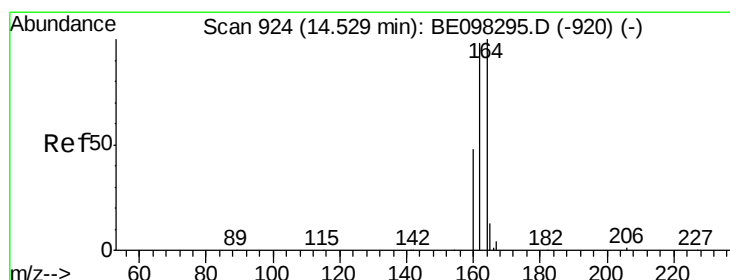
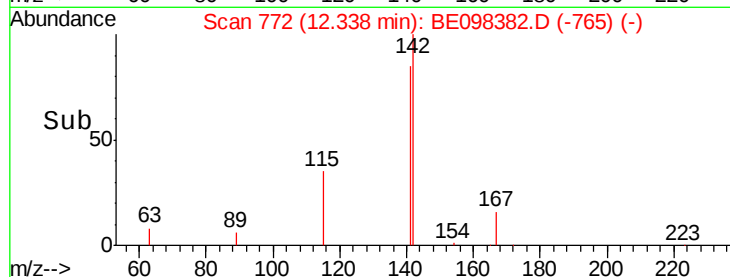
400

200

0

12.30 12.40

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

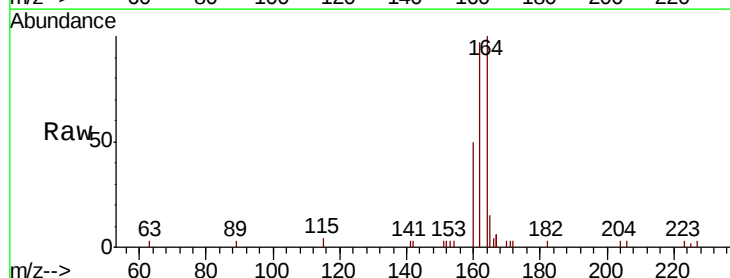
Tgt Ion:164 Resp: 3245

Ion Ratio Lower Upper

164 100

162 97.3 77.6 116.4

160 50.4 36.0 54.0



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

14.53

2000

1500

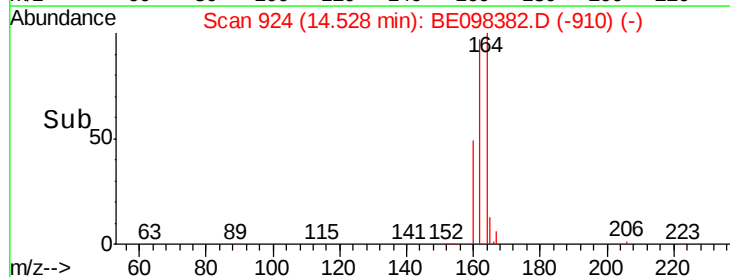
1000

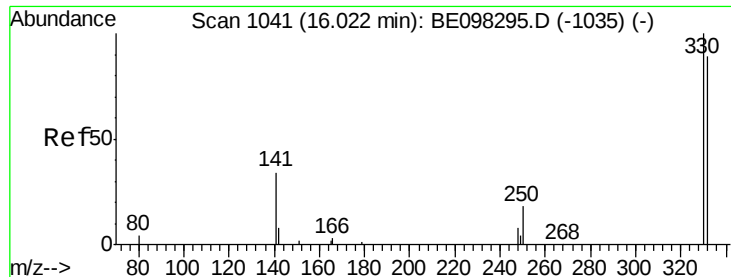
500

0

14.40 14.50 14.60 14.70

Time-->

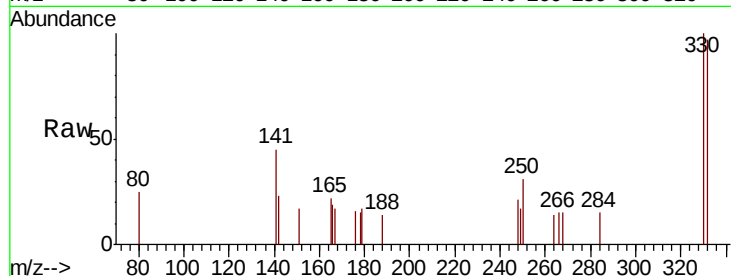




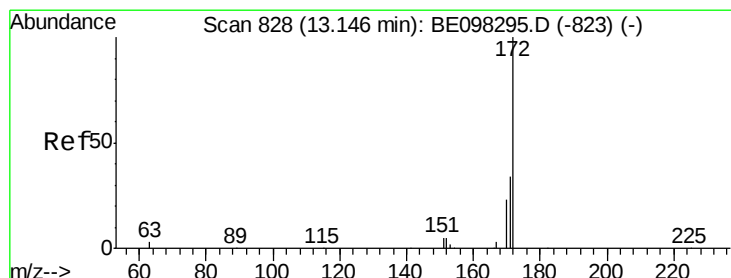
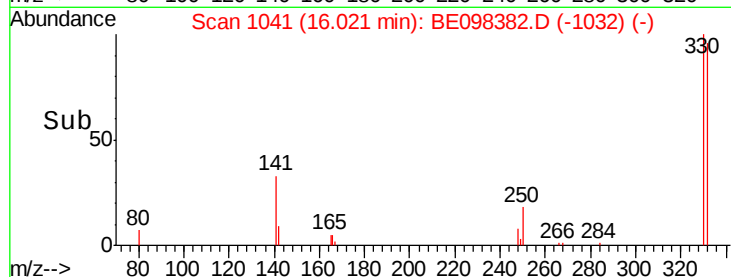
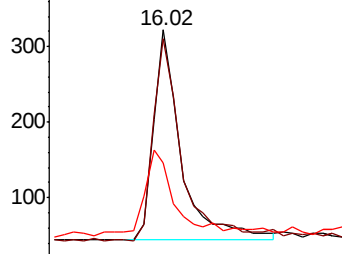
#14
 2,4,6-Tribromophenol
 Concen: 0.528 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098382.D
 Acq: 13 Dec 2018 4:01

Instrument :
 BNA_E
 ClientSampleId :
 RE-125D1-20181204

Tgt Ion: 330 Resp: 629
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 45.9 39.0 58.4

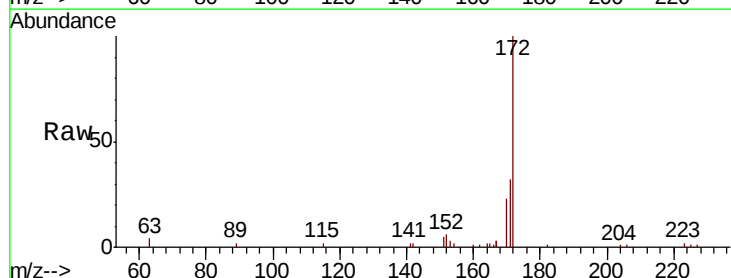


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

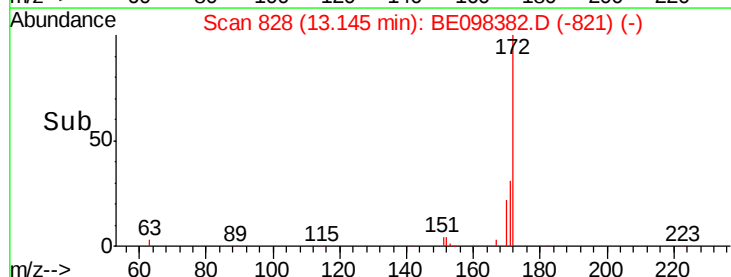
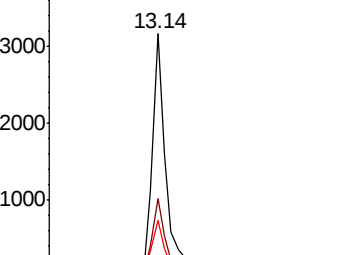


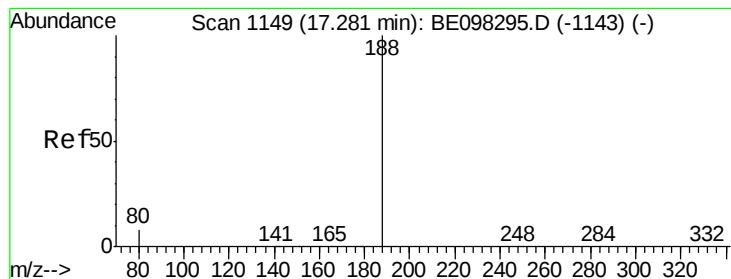
#15
 2-Fluorobiphenyl
 Concen: 0.490 ng
 RT: 13.14 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BE098382.D
 Acq: 13 Dec 2018 4:01

Tgt Ion: 172 Resp: 6700
 Ion Ratio Lower Upper
 172 100
 171 32.5 27.5 41.3
 170 23.3 19.6 29.4



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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

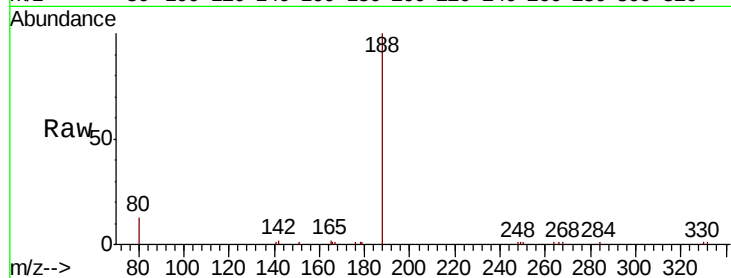
Tgt Ion:188 Resp: 8765

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

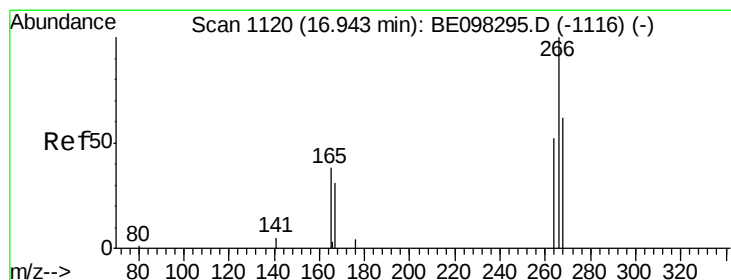
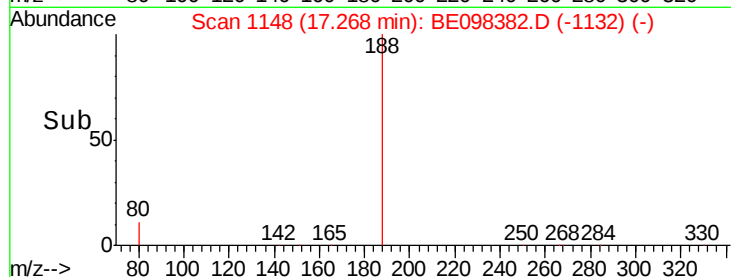
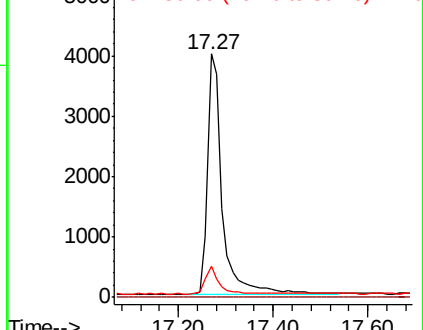
80 12.7 7.2 10.8#



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



#22

Pentachlorophenol

Concen: 0.029 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

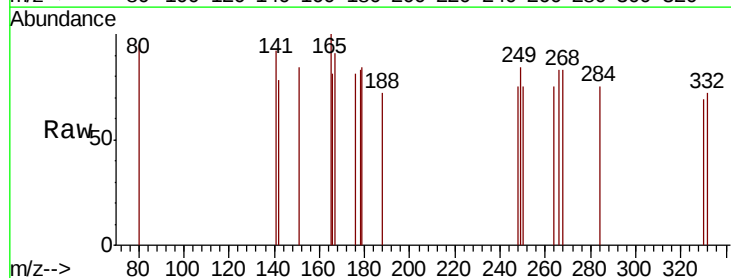
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 90.6 59.0 88.4#

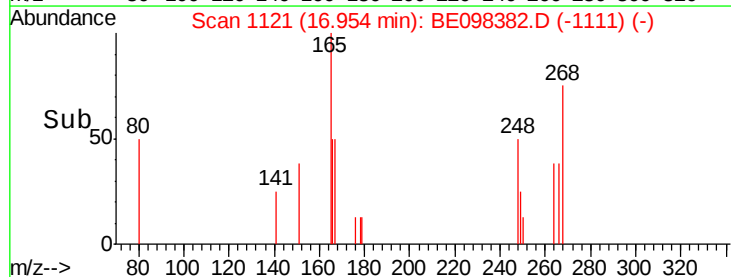
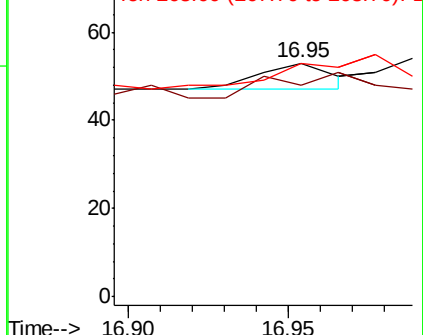
268 100.0 55.1 82.7#

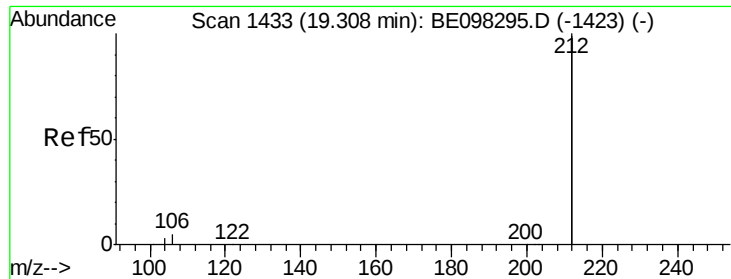


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.477 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

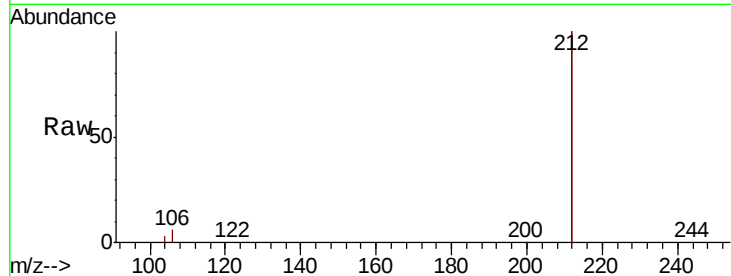
Tgt Ion:212 Resp: 53648

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

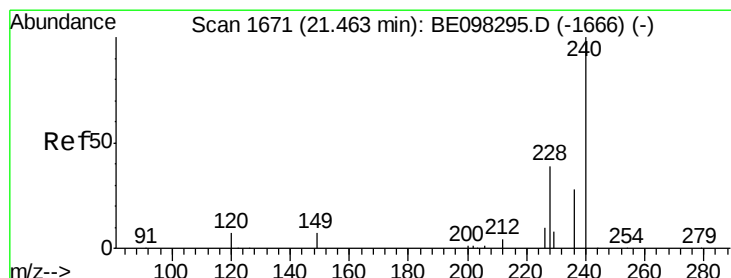
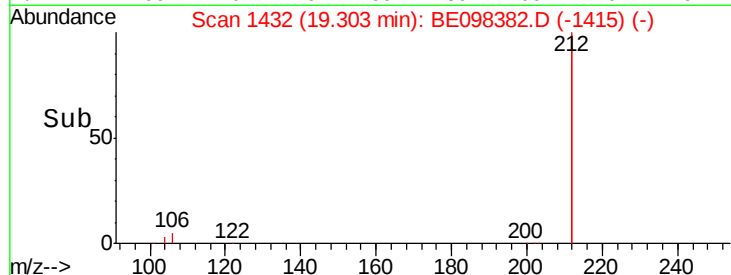
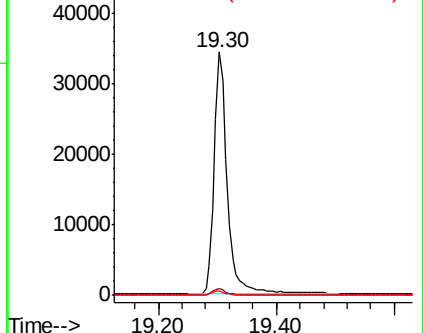
104 1.5 1.3 1.9



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: BE098382.D

Acq: 13 Dec 2018 4:01

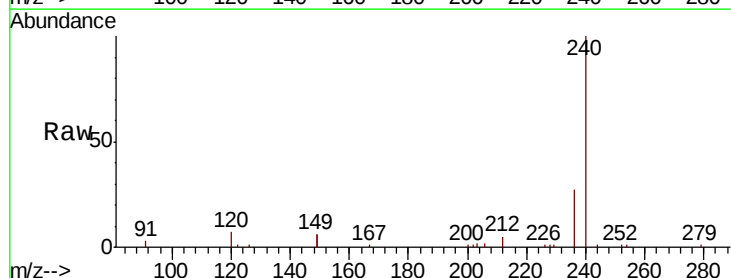
Tgt Ion:240 Resp: 10694

Ion Ratio Lower Upper

240 100

120 6.8 9.5 14.3#

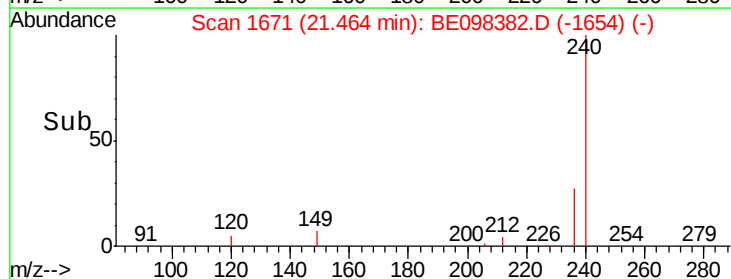
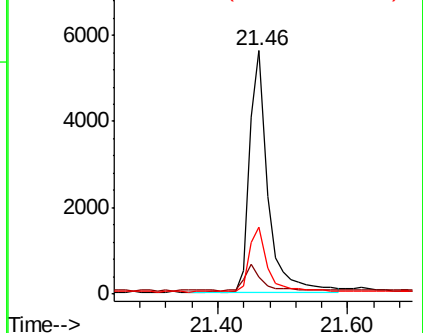
236 27.3 22.7 34.1

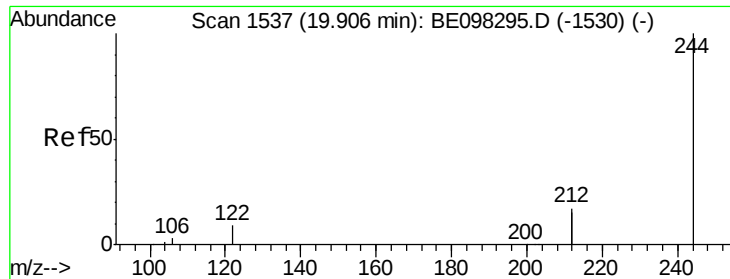


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.445 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

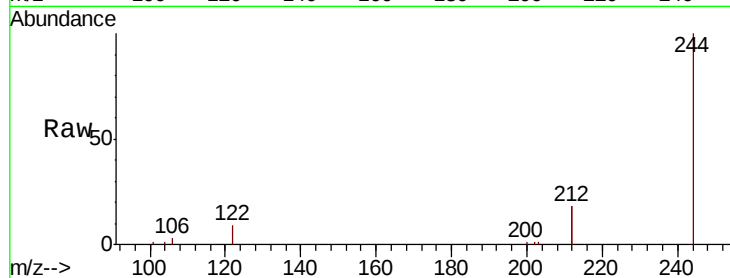
Tgt Ion:244 Resp: 11573

Ion Ratio Lower Upper

244 100

212 36.3 27.4 41.0

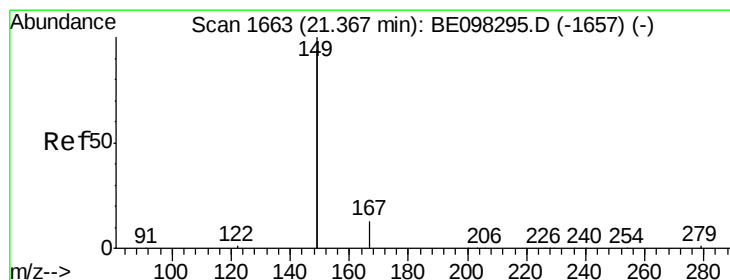
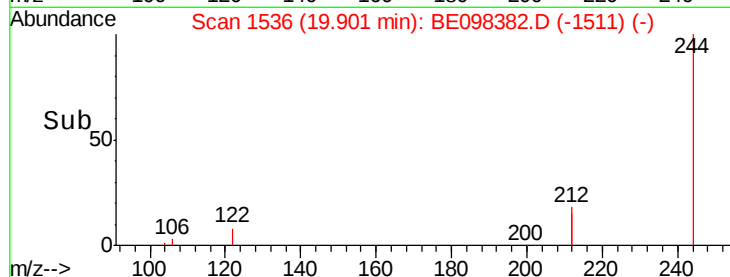
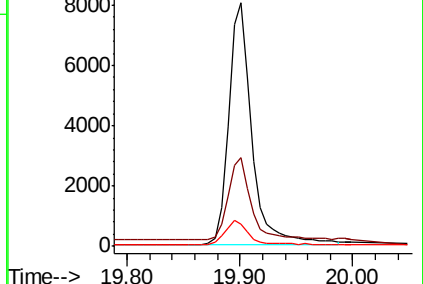
122 9.1 8.3 12.5



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: 0.072 ng

RT: 21.36 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098382.D

Acq: 13 Dec 2018 4:01

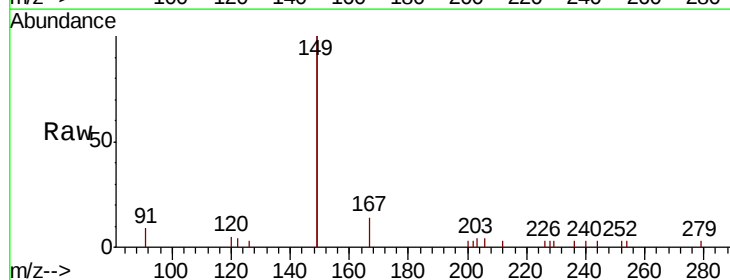
Tgt Ion:149 Resp: 4449

Ion Ratio Lower Upper

149 100

167 7.3 5.7 8.5

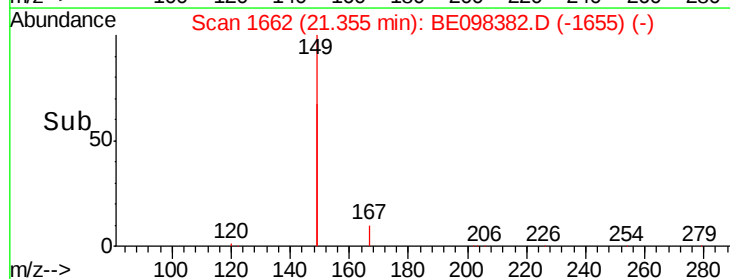
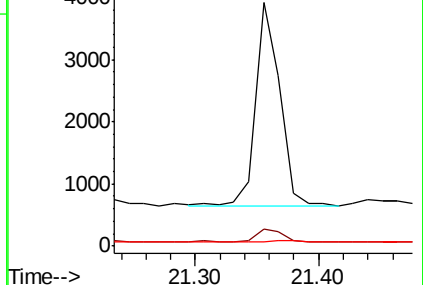
279 1.0 1.0 1.4

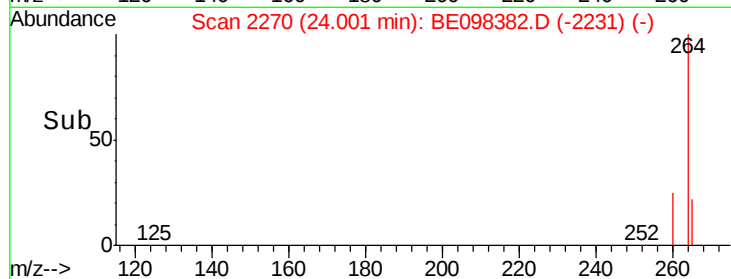
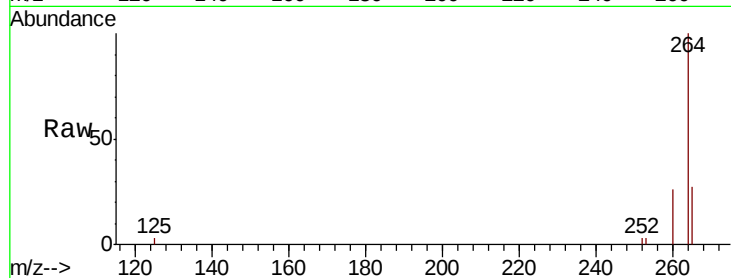
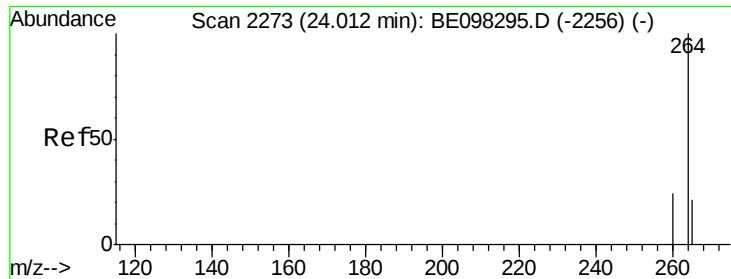


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE098382.D

Acq: 13 Dec 2018 4:01

Instrument :

BNA_E

ClientSampleId :

RE-125D1-20181204

Tgt Ion: 264 Resp: 10186

Ion Ratio Lower Upper

264 100

260 25.6 20.2 30.2

265 27.5 25.2 37.8

