

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121518\
 Data File : BE098480.D
 Acq On : 15 Dec 2018 20:01
 Operator : SJ/JU
 Sample : J6405-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP04-20181210

Quant Time: Dec 16 02:35:00 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

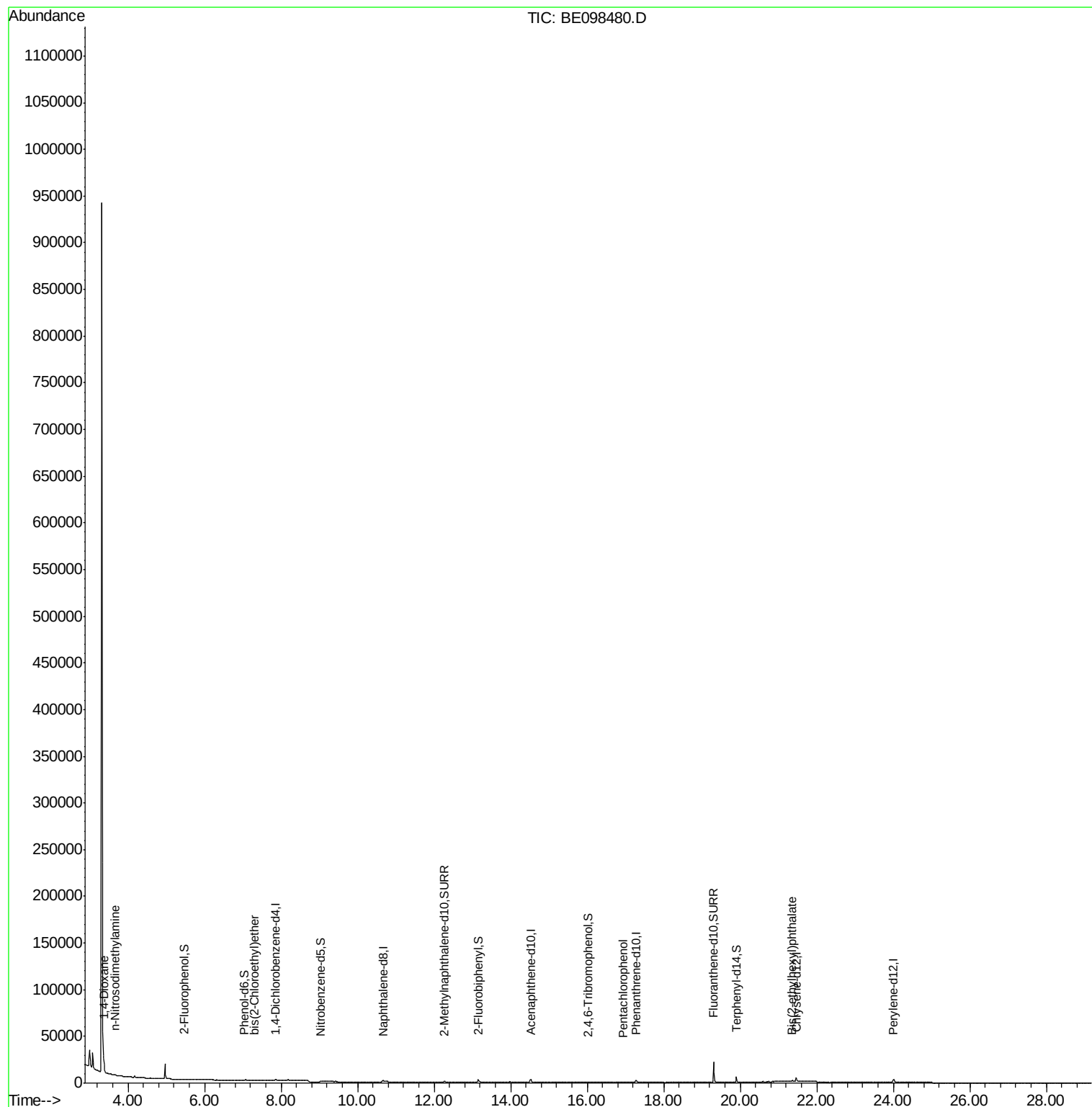
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	730	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	3191	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2024	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	5400	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	6504	0.40	ng	0.00
34) Perylene-d12	24.00	264	6313	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	357	0.21	ng	0.01
5) Phenol-d6	7.04	99	285	0.12	ng	0.00
8) Nitrobenzene-d5	9.04	82	1093	0.38	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	2304	0.44	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	327	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	3745	0.44	ng	0.00
25) Fluoranthene-d10	19.30	212	33811	0.49	ng	0.00
29) Terphenyl-d14	19.90	244	6848	0.43	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.37	88	3709	2.938	ng	Qvalue # 90
3) n-Nitrosodimethylamine	3.65	42	104	0.092	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	226	0.098	ng	# 94
22) Pentachlorophenol	16.94	266	17	0.052	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.35	149	2170	0.058	ng	# 98

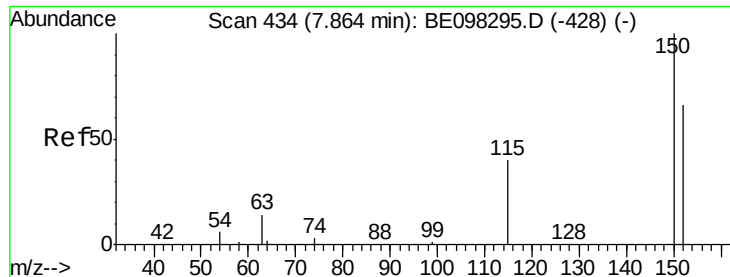
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

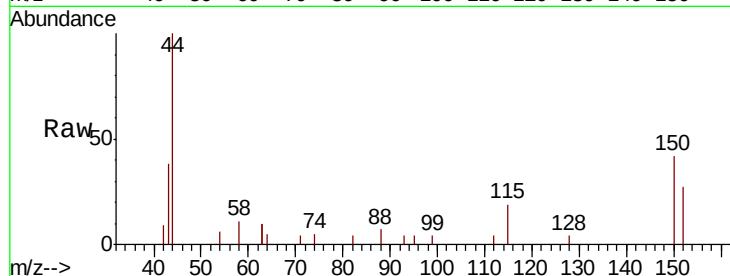
Tgt Ion:152 Resp: 730

Ion Ratio Lower Upper

152 100

150 156.0 124.2 186.4

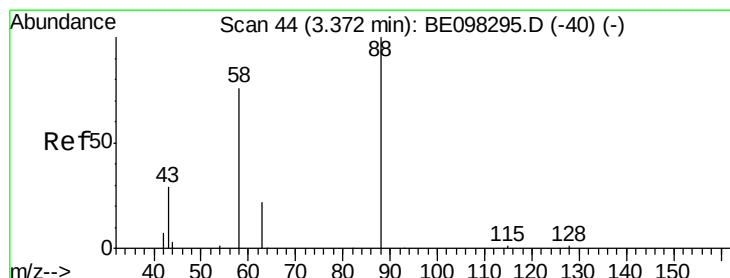
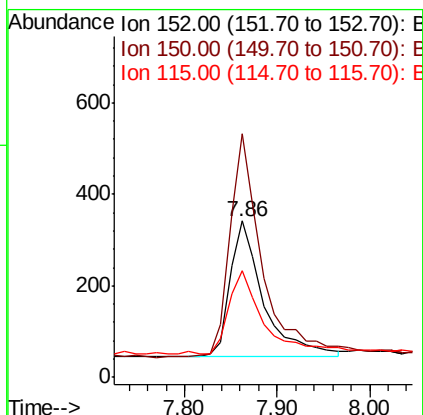
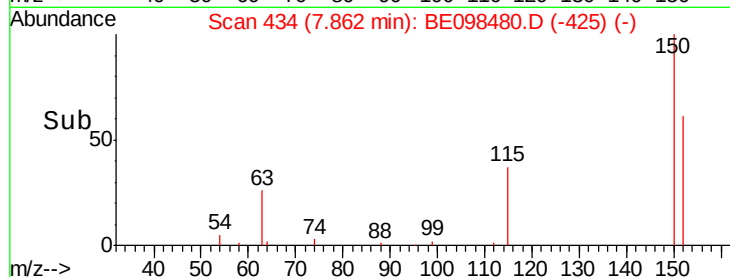
115 68.3 53.9 80.9



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: 2.938 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

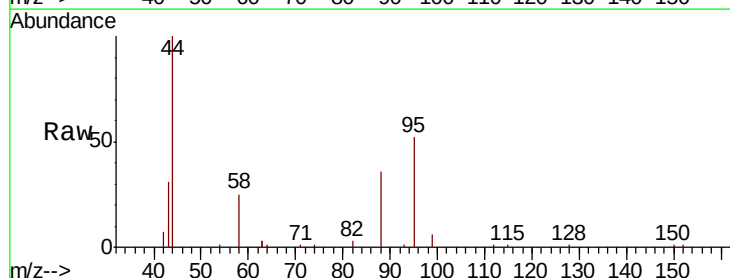
Tgt Ion: 88 Resp: 3709

Ion Ratio Lower Upper

88 100

58 92.8 75.0 112.6

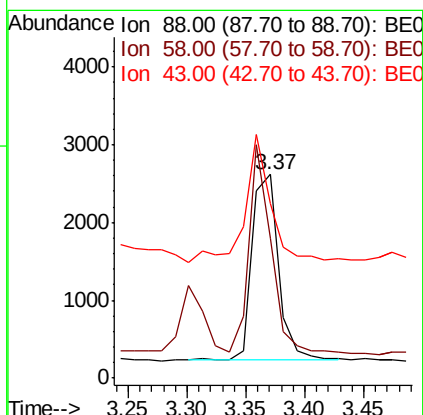
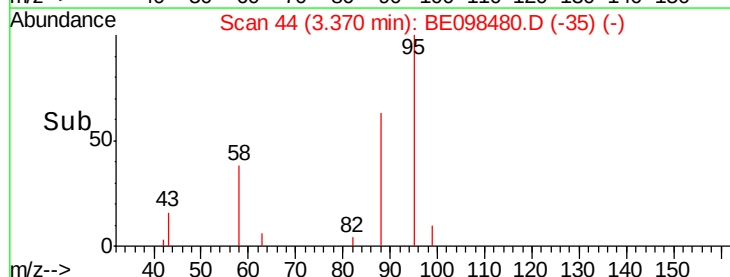
43 67.2 38.3 57.5#

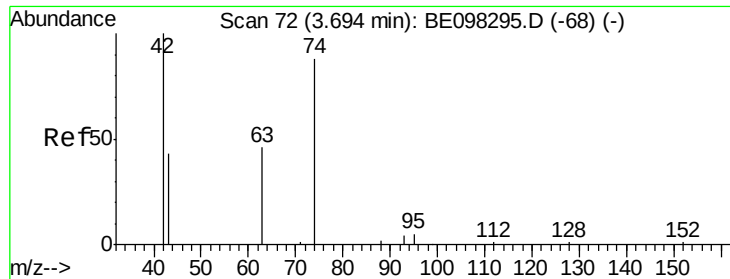


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.092 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.05 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

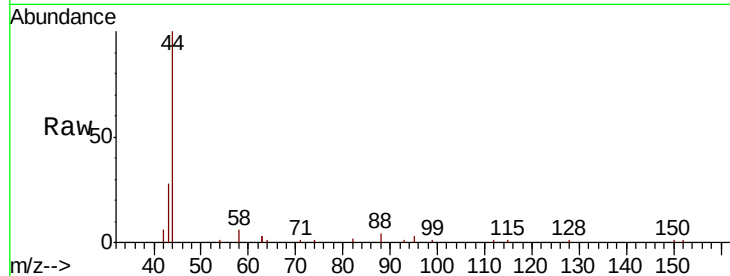
Tgt Ion: 42 Resp: 104

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

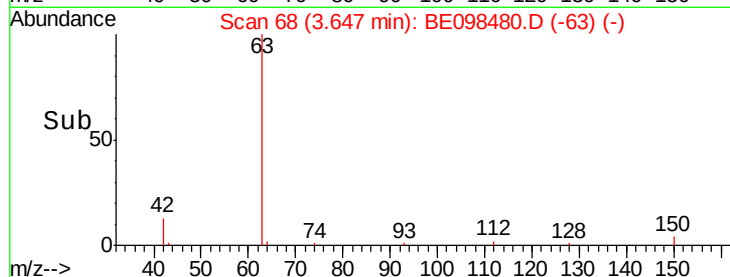
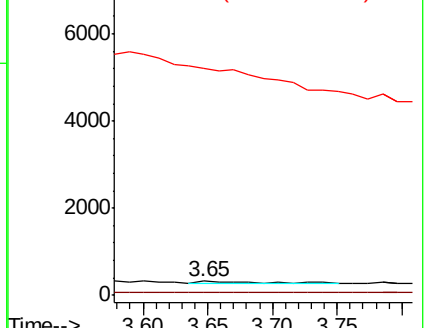
44 0.0 0.0 0.0



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: 0.209 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

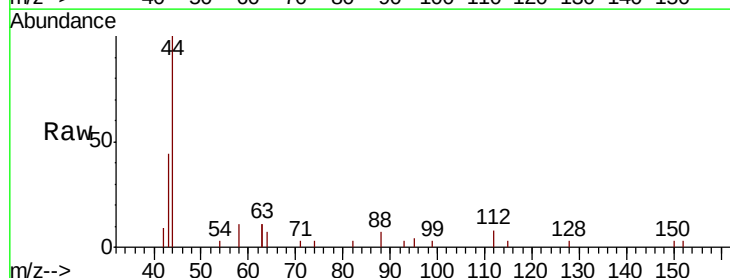
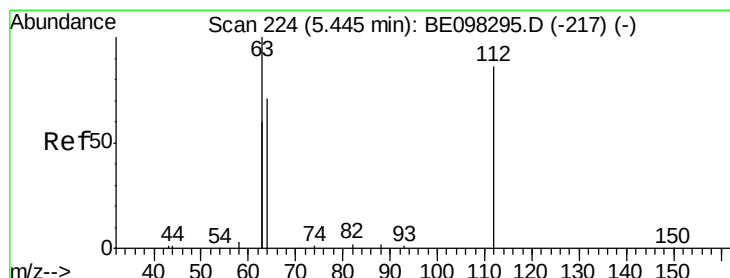
Tgt Ion: 112 Resp: 357

Ion Ratio Lower Upper

112 100

64 83.8 59.8 89.8

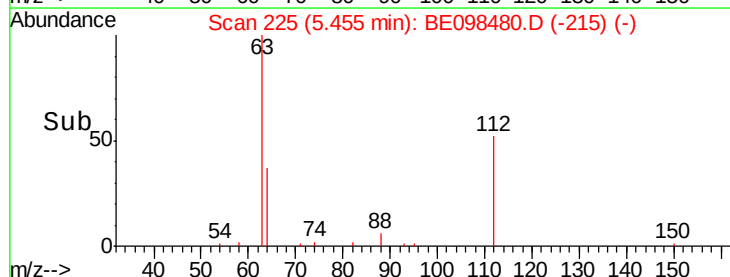
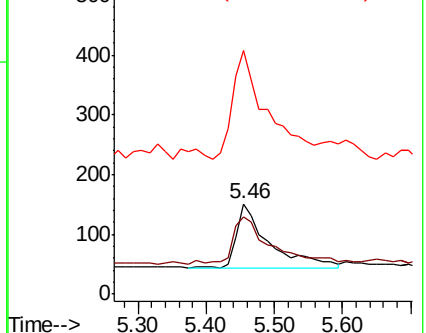
63 180.4 133.7 200.5

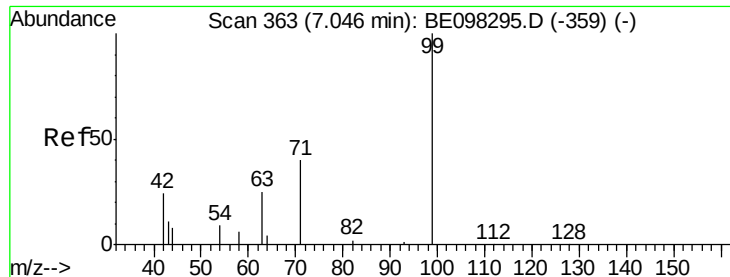


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.118 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

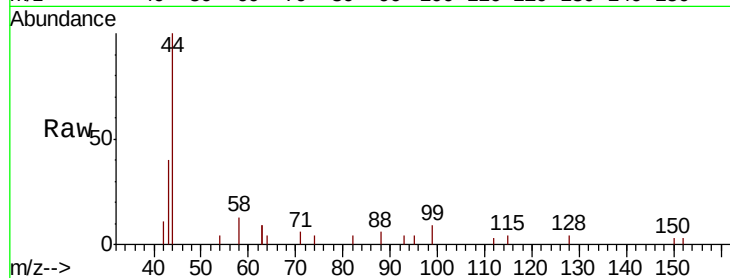
Tgt Ion: 99 Resp: 285

Ion Ratio Lower Upper

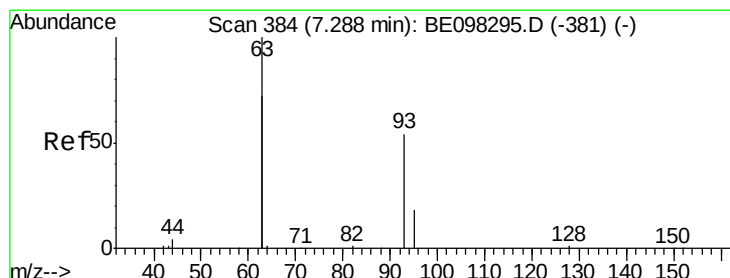
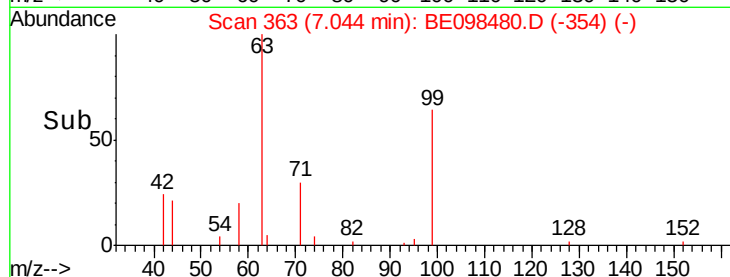
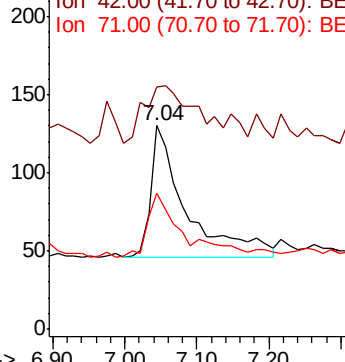
99 100

42 65.3 26.3 39.5#

71 48.4 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



#6

bis(2-Chloroethyl)ether

Concen: 0.098 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

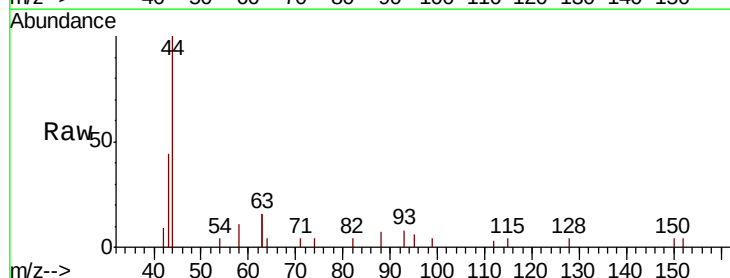
Tgt Ion: 93 Resp: 226

Ion Ratio Lower Upper

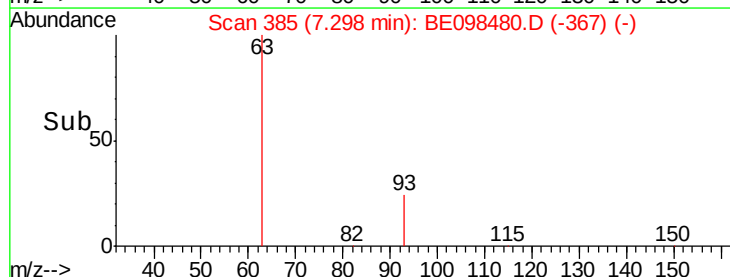
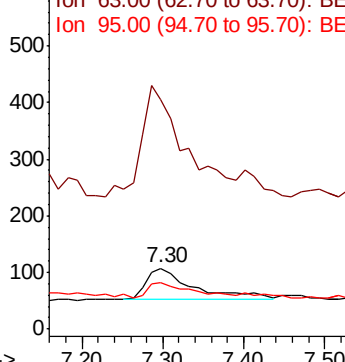
93 100

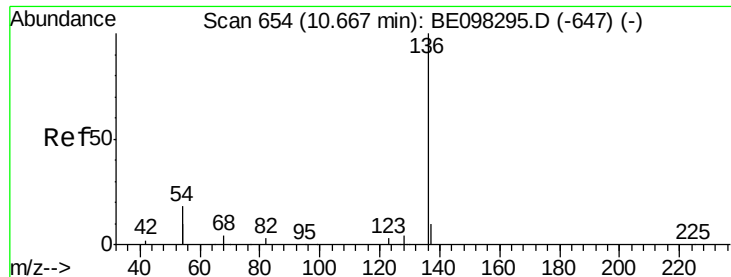
63 322.1 264.4 396.6

95 48.2 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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

Tgt Ion: 136 Resp: 3191

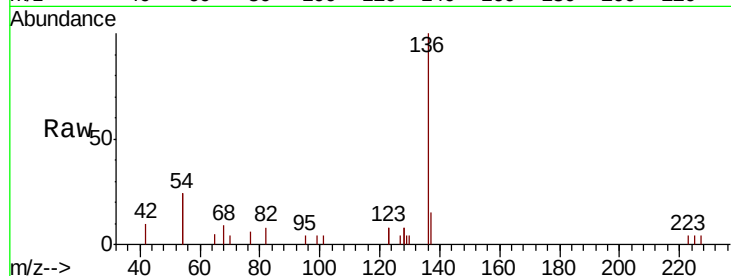
Ion Ratio Lower Upper

136 100

137 15.4 9.2 13.8#

54 48.6 28.4 42.6#

68 8.8 5.4 8.0#

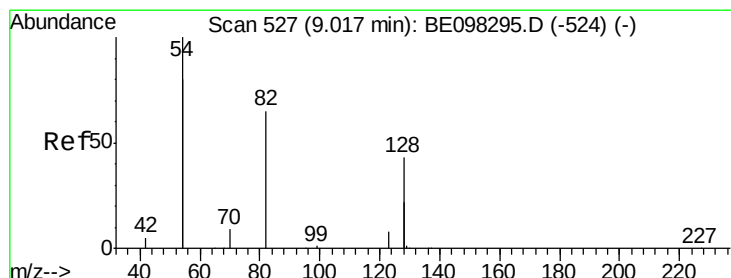
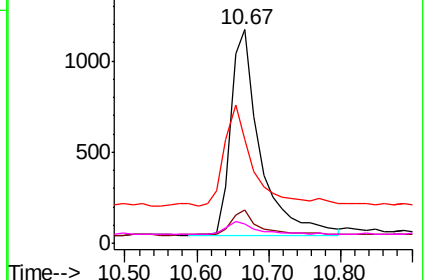
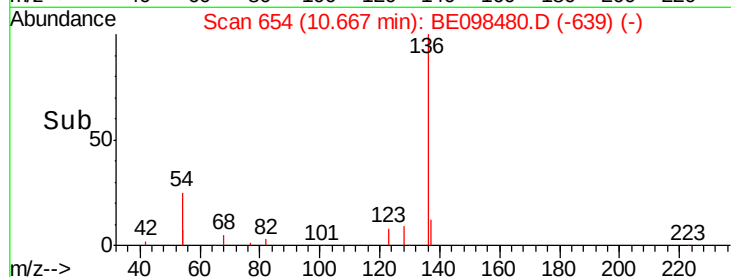


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

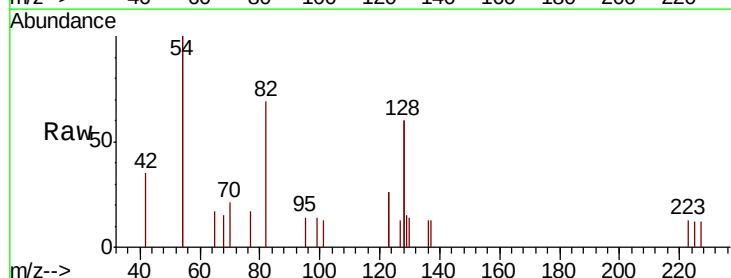
Tgt Ion: 82 Resp: 1093

Ion Ratio Lower Upper

82 100

128 172.5 102.4 153.6#

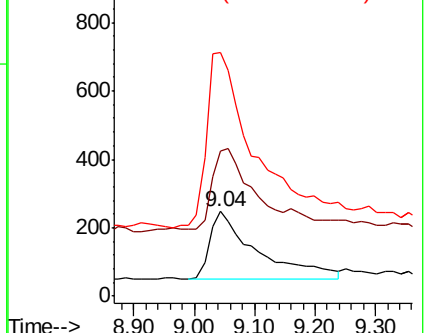
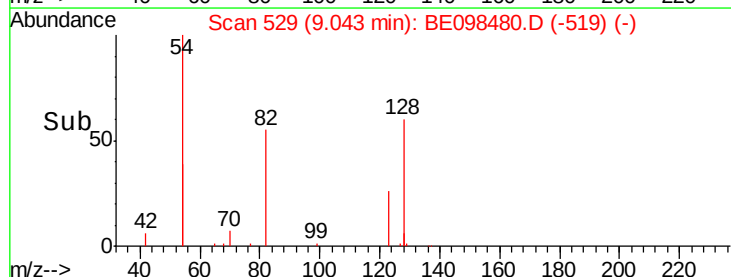
54 288.3 221.8 332.8

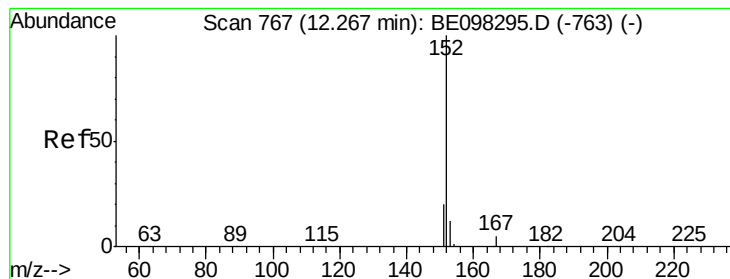


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.444 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

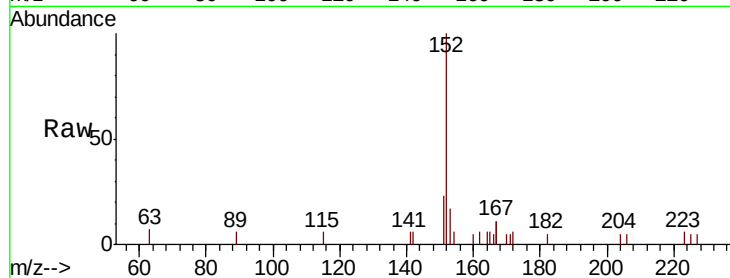
DUP04-20181210

Tgt Ion:152 Resp: 2304

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

800

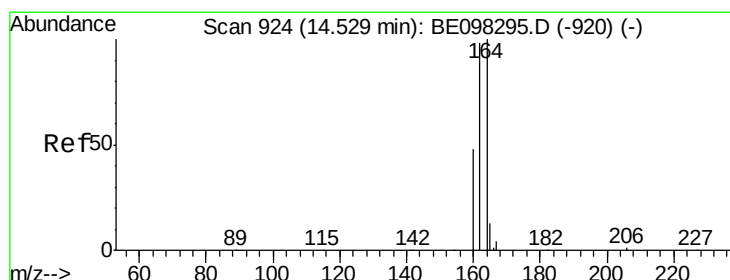
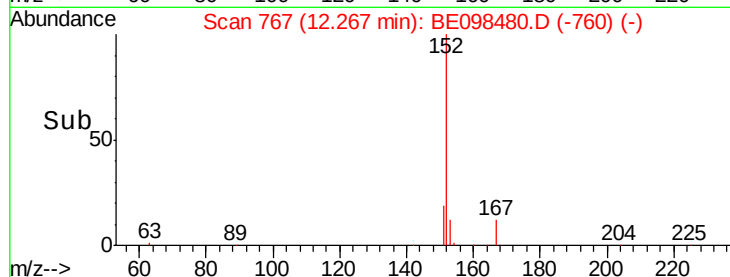
600

400

200

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

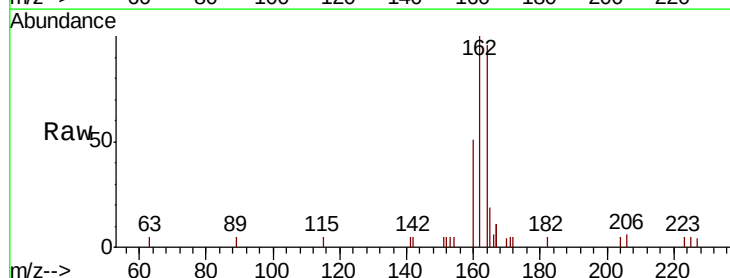
Tgt Ion:164 Resp: 2024

Ion Ratio Lower Upper

164 100

162 104.5 77.6 116.4

160 53.6 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

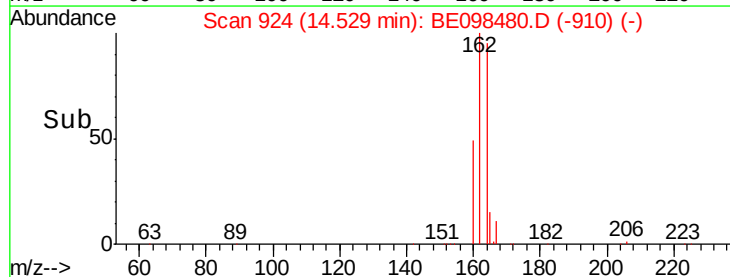
14.53

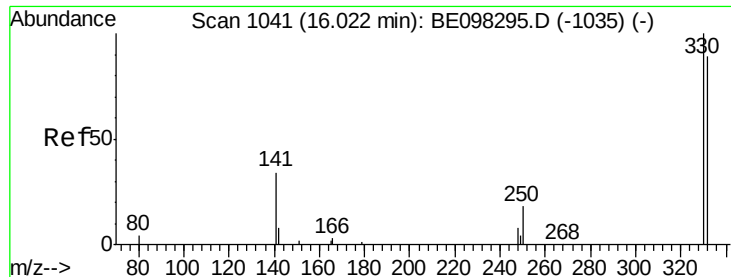
1000

500

0

Time-->





#14

2,4,6-Tribromophenol

Concen: 0.440 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

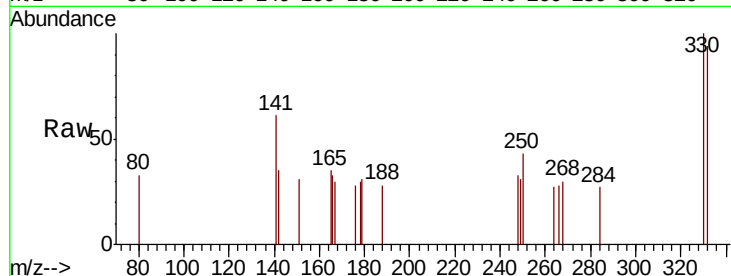
Tgt Ion:330 Resp: 327

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

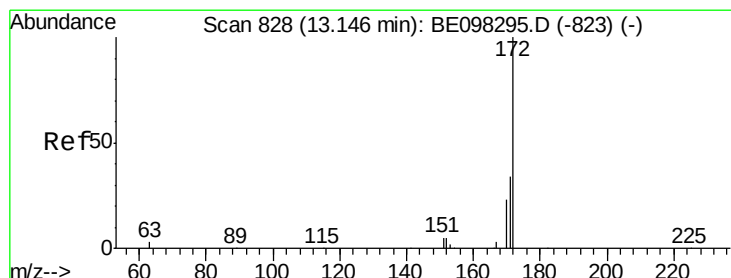
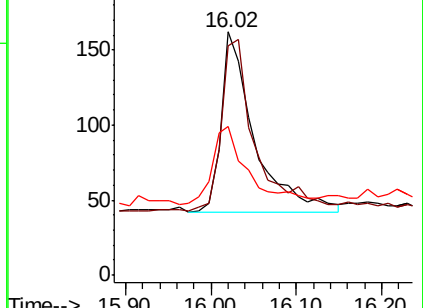
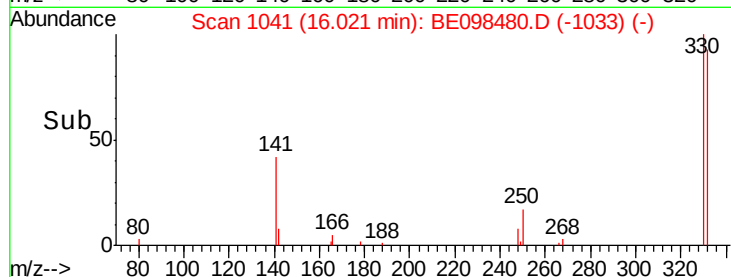
141 47.1 39.0 58.4



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: 0.439 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

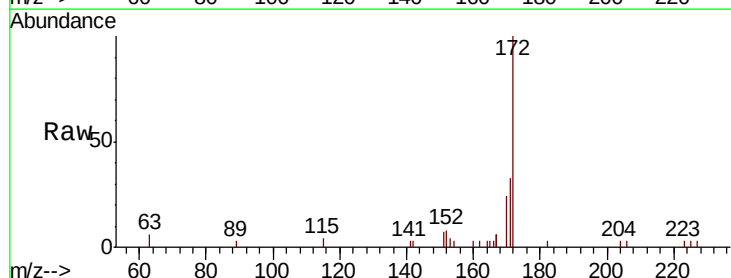
Tgt Ion:172 Resp: 3745

Ion Ratio Lower Upper

172 100

171 33.2 27.5 41.3

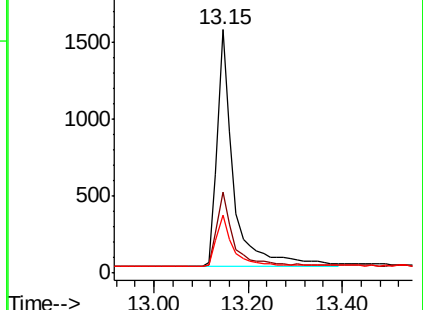
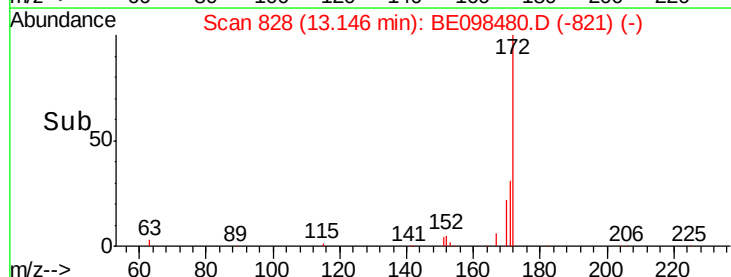
170 24.0 19.6 29.4

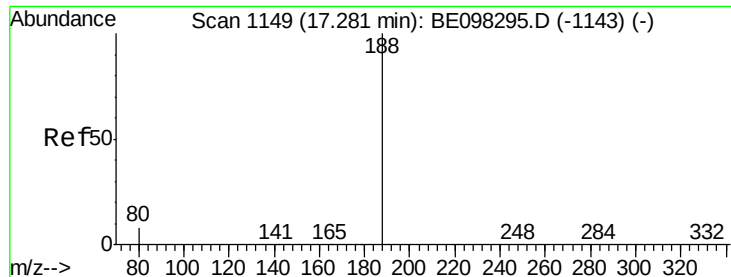


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

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DUP04-20181210

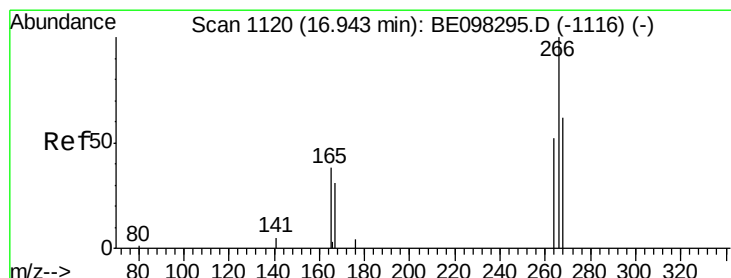
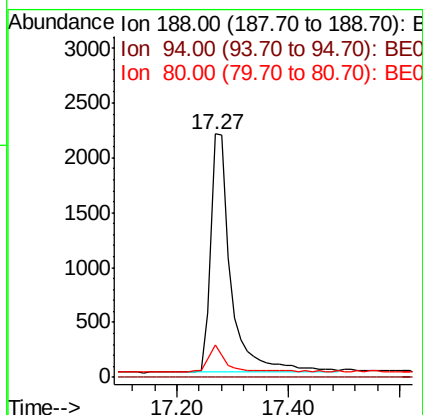
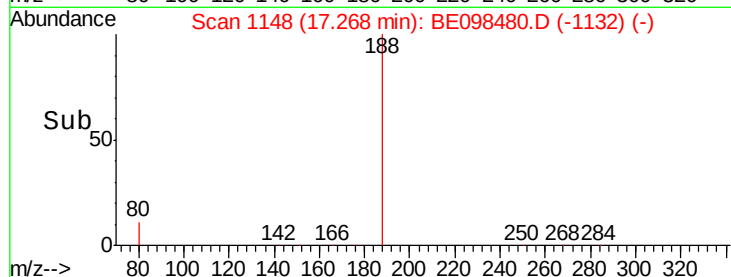
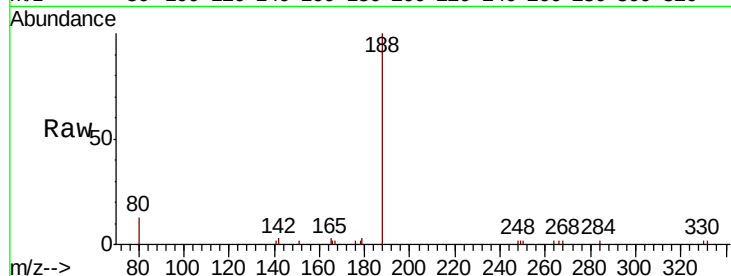
Tgt Ion:188 Resp: 5400

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 7.2 10.8#



#22

Pentachlorophenol

Concen: 0.052 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

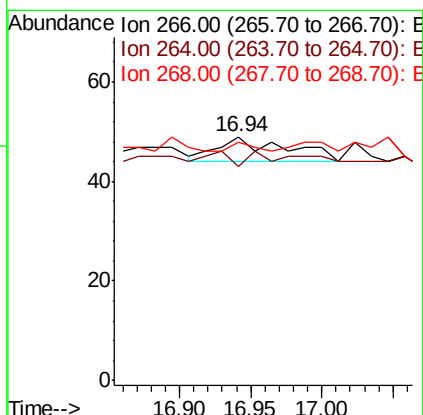
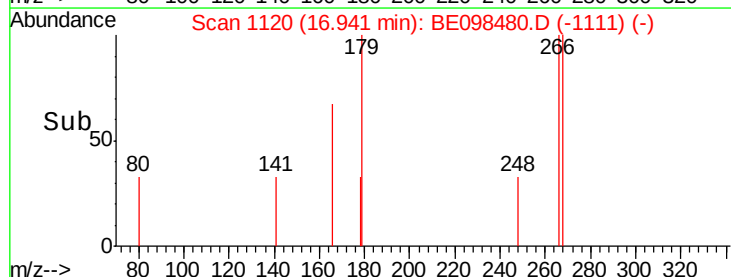
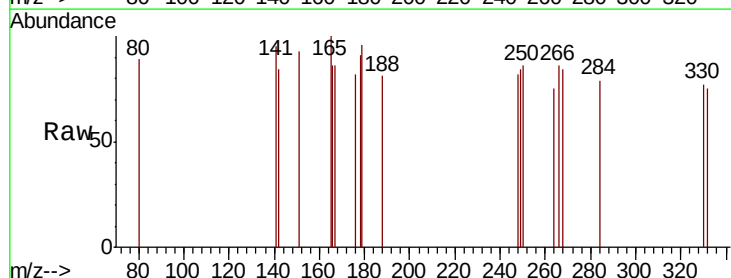
Tgt Ion:266 Resp: 17

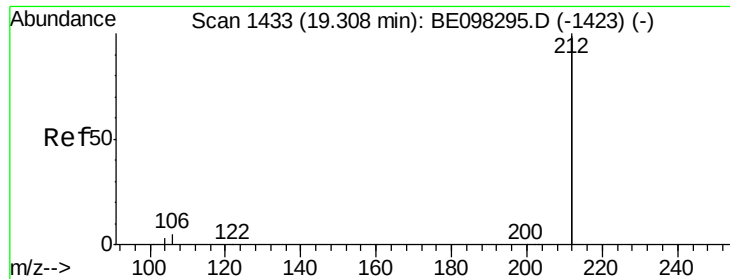
Ion Ratio Lower Upper

266 100

264 87.8 59.0 88.4

268 98.0 55.1 82.7#

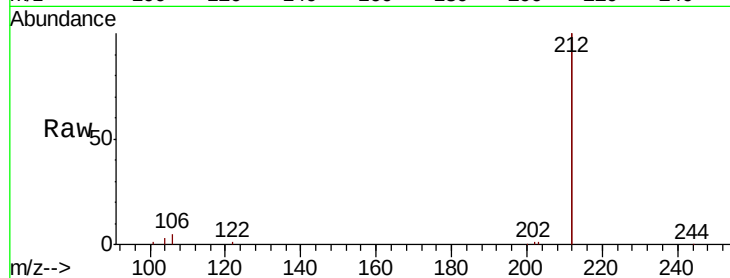




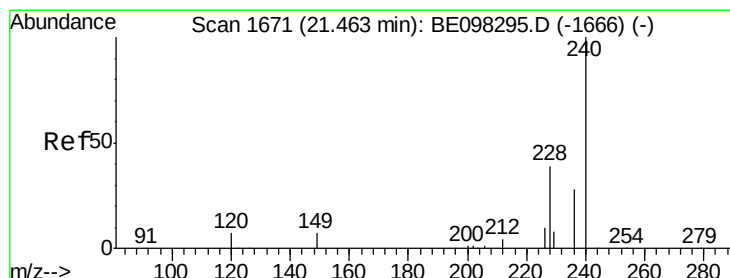
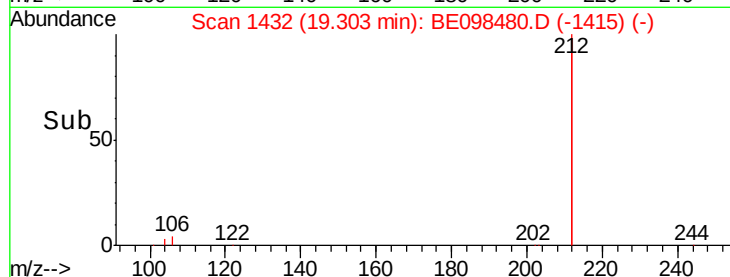
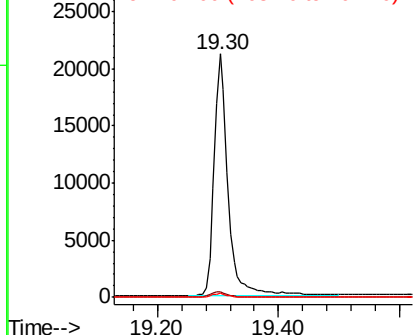
#25
Fluoranthene-d10
Concen: 0.488 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098480.D
Acq: 15 Dec 2018 20:01

Instrument :
BNA_E
ClientSampleId :
DUP04-20181210

Tgt Ion:212 Resp: 33811
Ion Ratio Lower Upper
212 100
106 2.3 2.2 3.2
104 1.3 1.3 1.9

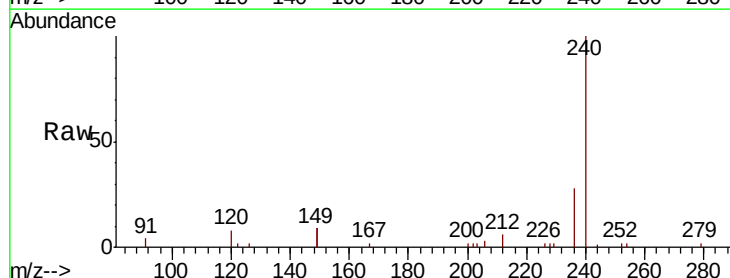


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

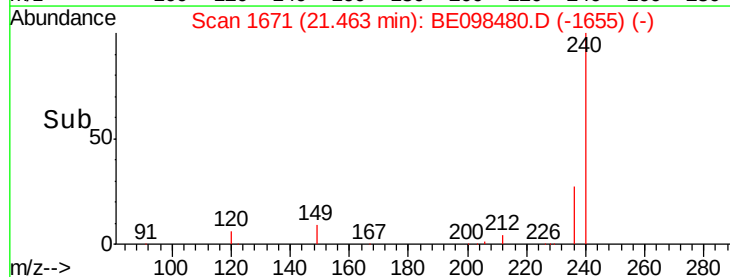
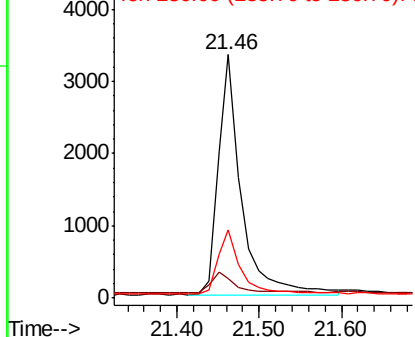


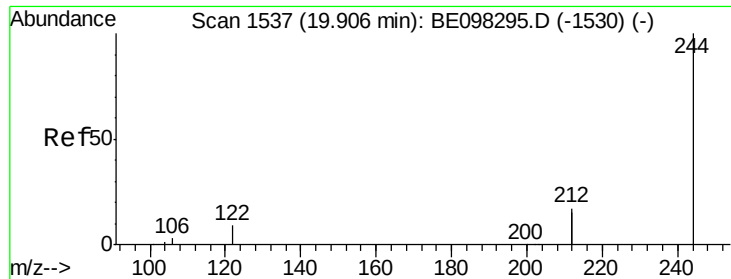
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098480.D
Acq: 15 Dec 2018 20:01

Tgt Ion:240 Resp: 6504
Ion Ratio Lower Upper
240 100
120 8.0 9.5 14.3#
236 28.0 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: 0.433 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

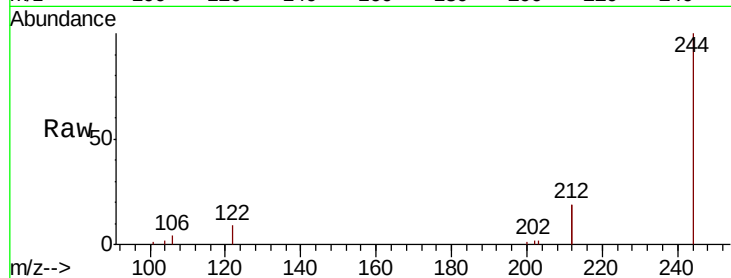
Tgt Ion:244 Resp: 6848

Ion Ratio Lower Upper

244 100

212 38.7 27.4 41.0

122 9.3 8.3 12.5

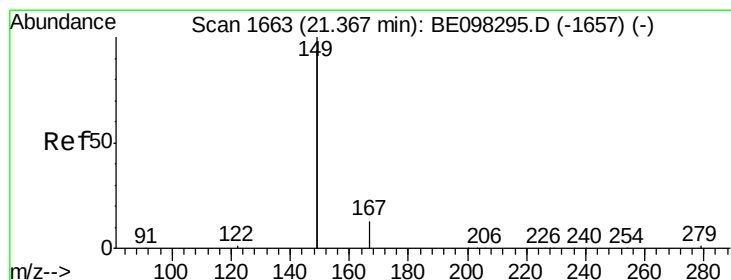
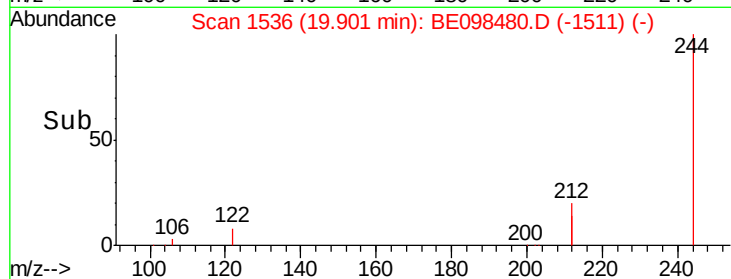
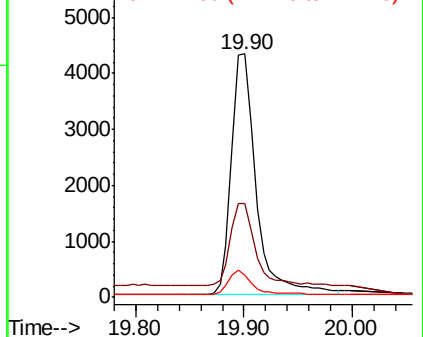


Abundance

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: 0.058 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

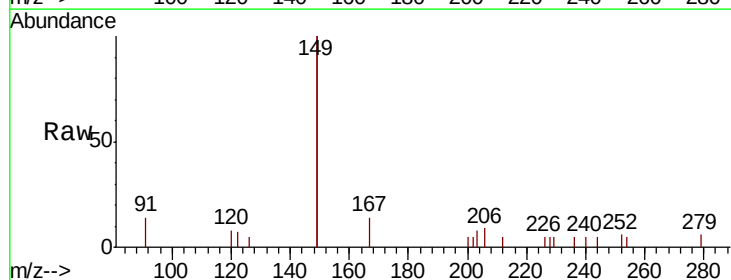
Tgt Ion:149 Resp: 2170

Ion Ratio Lower Upper

149 100

167 6.5 5.7 8.5

279 1.7 1.0 1.4#

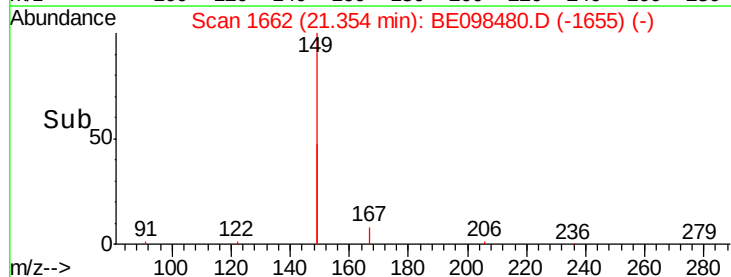
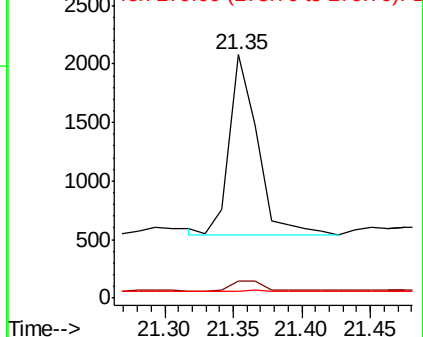


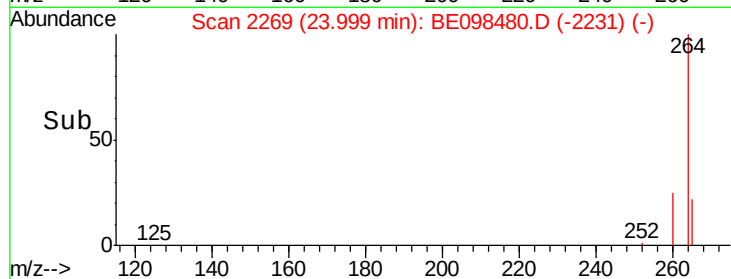
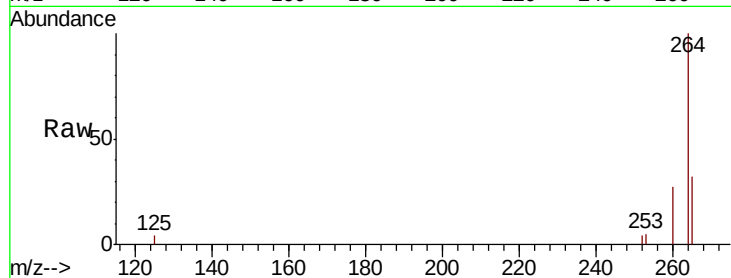
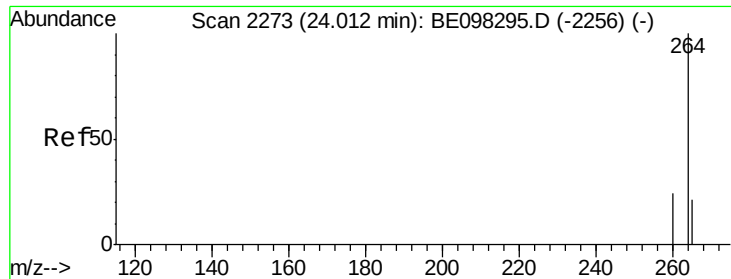
Abundance

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# 2269

Delta R.T. -0.01 min

Lab File: BE098480.D

Acq: 15 Dec 2018 20:01

Instrument :

BNA_E

ClientSampleId :

DUP04-20181210

Tgt Ion:264 Resp: 6313

Ion Ratio Lower Upper

264 100

260 27.1 20.2 30.2

265 32.5 25.2 37.8

