

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121618\
 Data File : BE098506.D
 Acq On : 16 Dec 2018 14:30
 Operator : SJ/JU
 Sample : J6405-11DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP03-20181210DL

Quant Time: Dec 17 03:32:58 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

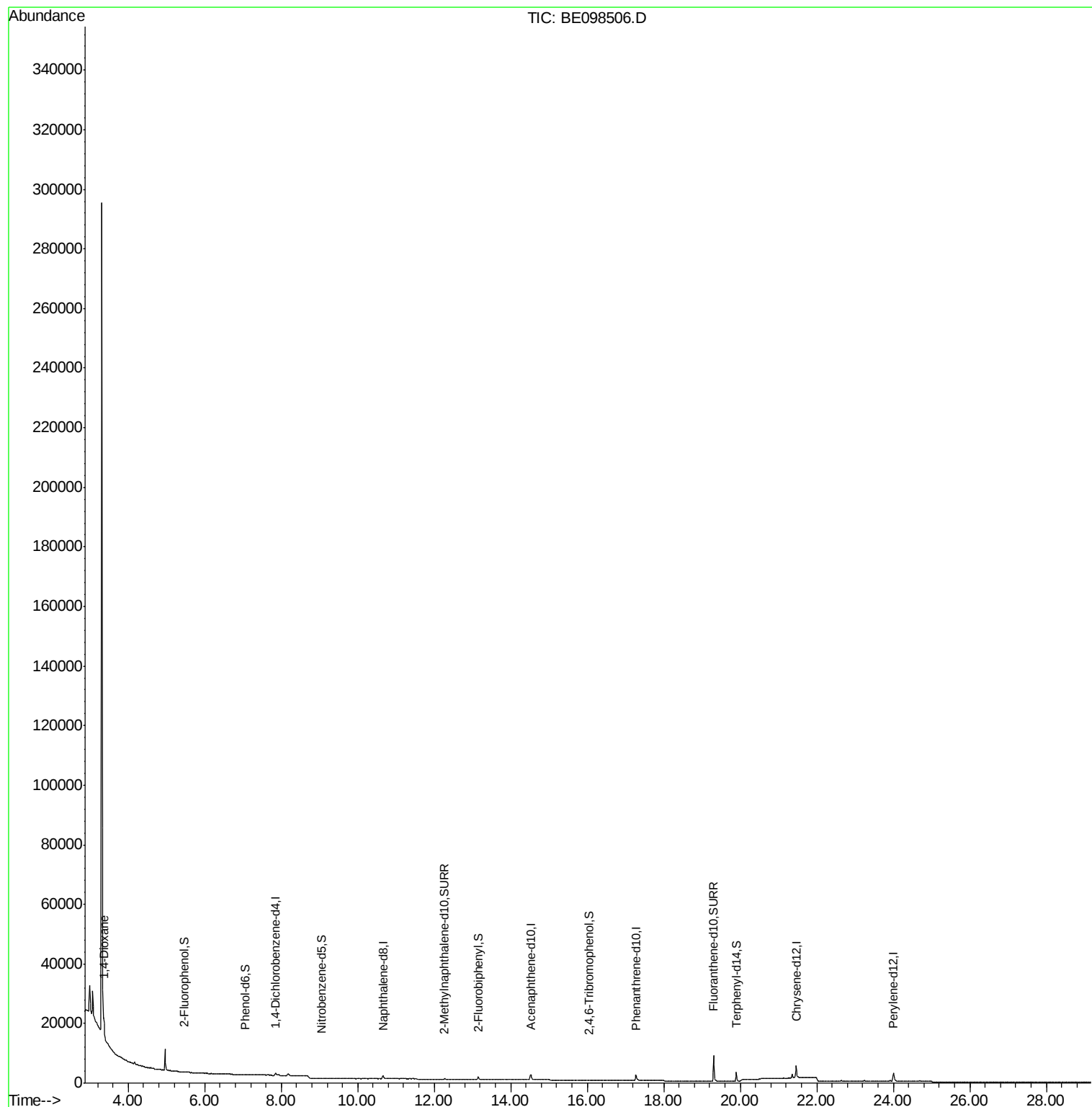
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	496	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	2087	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	1329	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	4184	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	5792	0.40	ng	0.00
34) Perylene-d12	24.00	264	5522	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	126	0.11	ng	0.00
5) Phenol-d6	7.07	99	86	0.05	ng	0.02
8) Nitrobenzene-d5	9.06	82	318	0.17	ng	0.04
11) 2-Methylnaphthalene-d10	12.27	152	693	0.20	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	125	0.26	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	1333	0.24	ng	0.00
25) Fluoranthene-d10	19.30	212	14242	0.27	ng	0.00
29) Terphenyl-d14	19.90	244	3196	0.23	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.37	88	2454	2.861	ng	Qvalue 94

(#) = 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: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

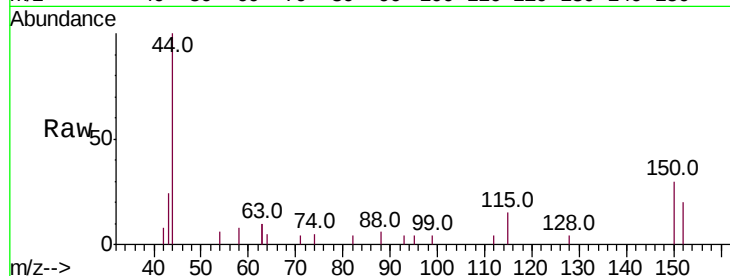
Tot Ion:152 Resp: 496

Ion Ratio Lower Upper

152 100

150 151.4 124.2 186.4

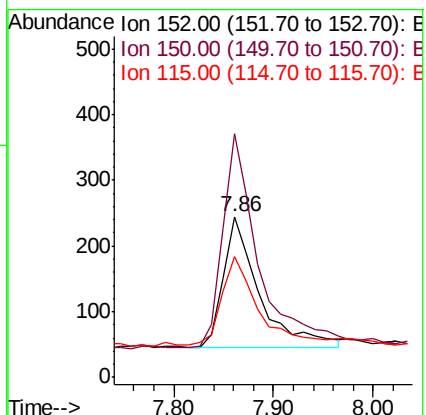
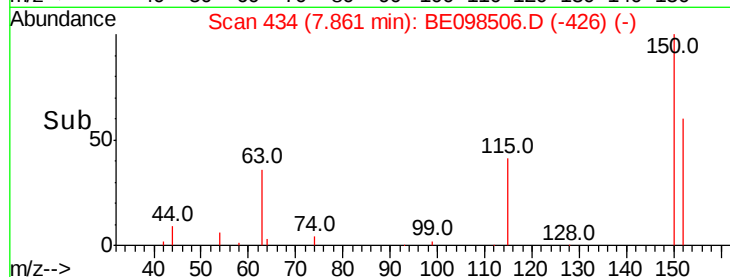
115 75.1 53.9 80.9



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: 2.861 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

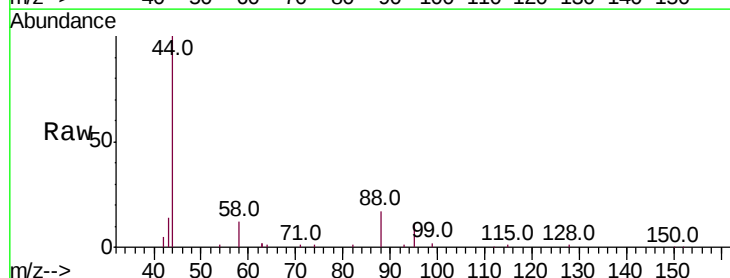
Tgt Ion: 88 Resp: 2454

Ion Ratio Lower Upper

88 100

58 91.5 75.0 112.6

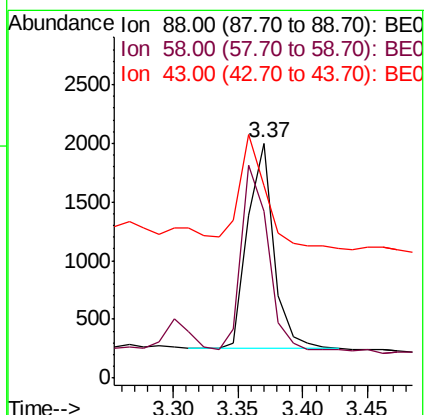
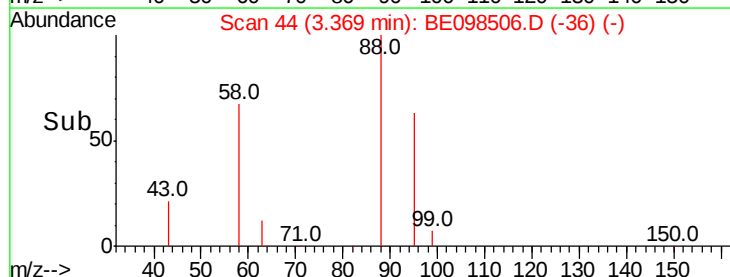
43 56.5 38.3 57.5



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





#4

2-Fluorophenol

Concen: 0.109 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

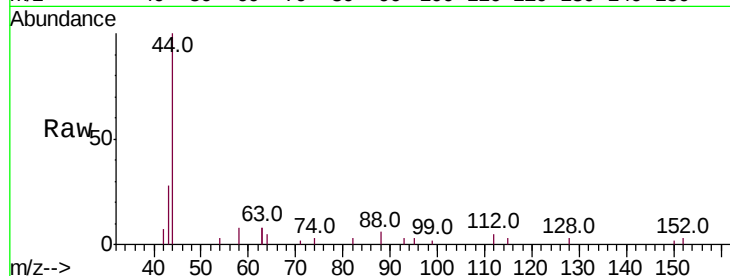
Tot Ion:112 Resp: 126

Ion Ratio Lower Upper

112 100

64 89.7 59.8 89.8

63 198.4 133.7 200.5



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

400

300

200

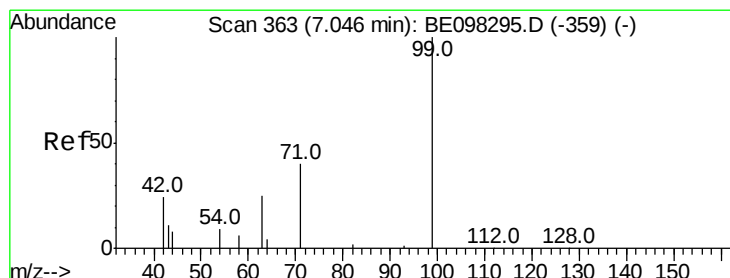
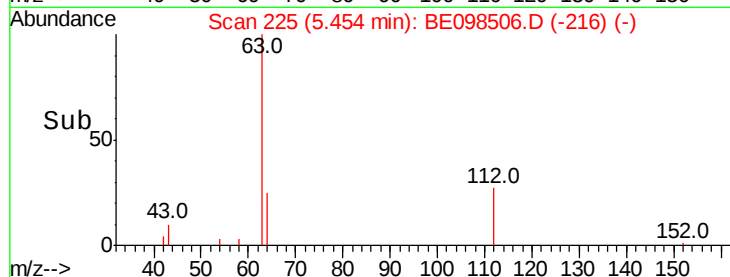
100

0

5.40 5.50

5.45

Time-->



#5

Phenol-d6

Concen: 0.052 ng

RT: 7.07 min Scan# 365

Delta R.T. 0.02 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

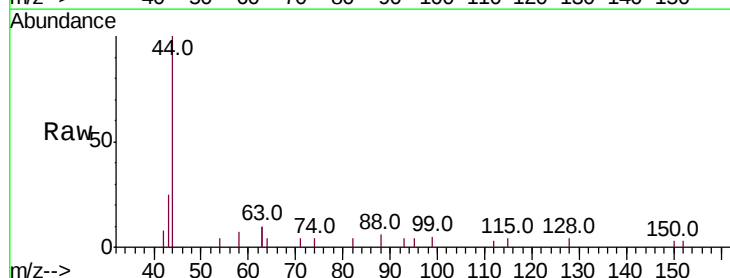
Tgt Ion: 99 Resp: 86

Ion Ratio Lower Upper

99 100

42 76.7 26.3 39.5#

71 34.9 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

150

100

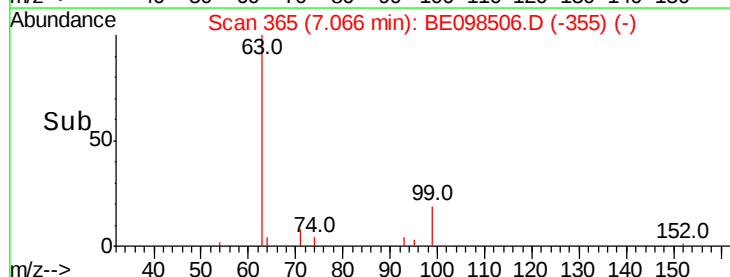
50

0

7.00 7.10

7.07

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

Tot Ion:136 Resp: 2087

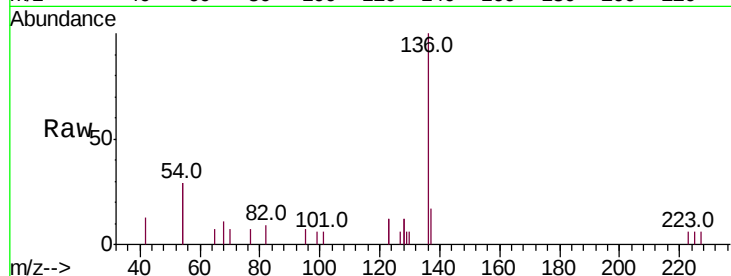
Ion Ratio Lower Upper

136 100

137 16.5 9.2 13.8#

54 58.9 28.4 42.6#

68 10.9 5.4 8.0#

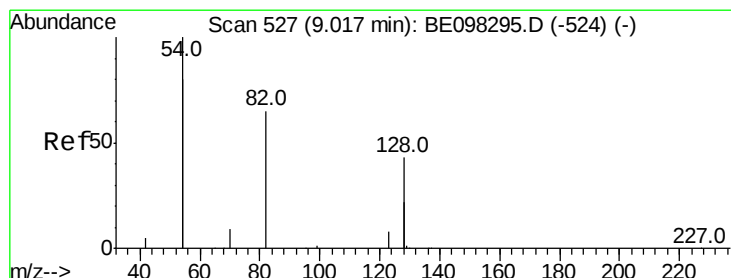
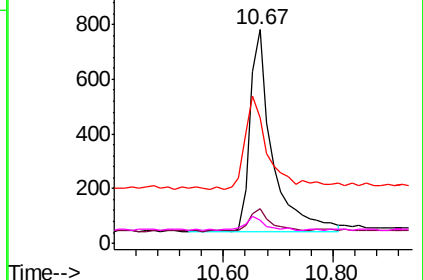
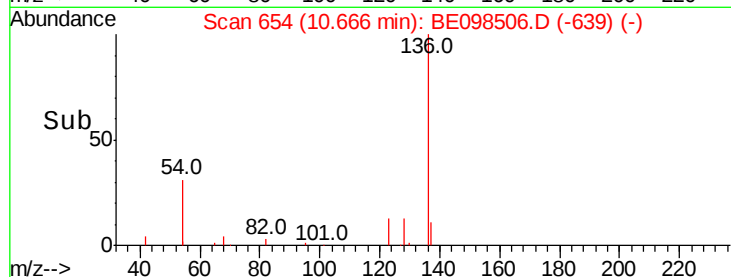


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.167 ng

RT: 9.06 min Scan# 530

Delta R.T. 0.04 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

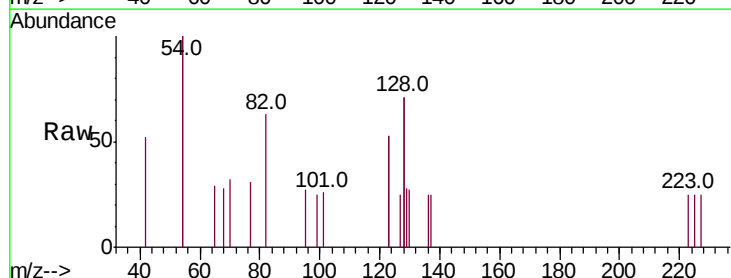
Tgt Ion: 82 Resp: 318

Ion Ratio Lower Upper

82 100

128 227.0 102.4 153.6#

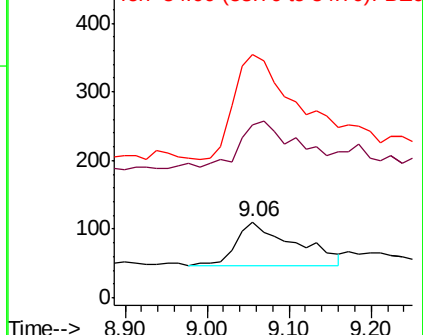
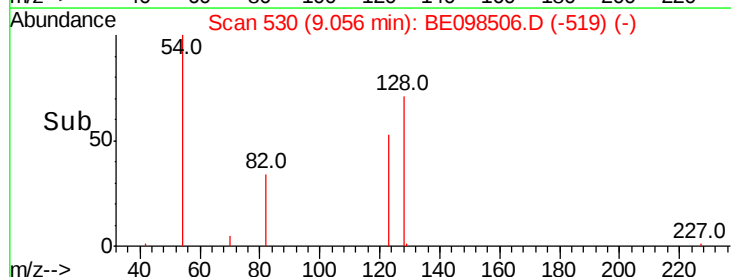
54 318.9 221.8 332.8

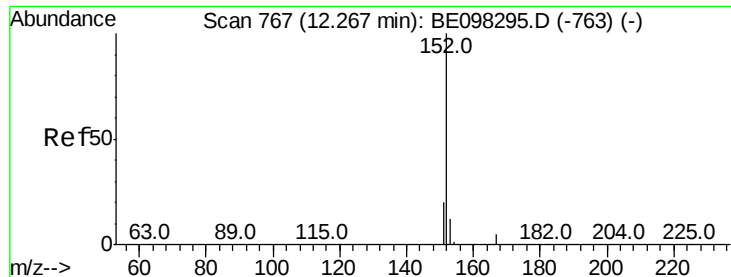


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

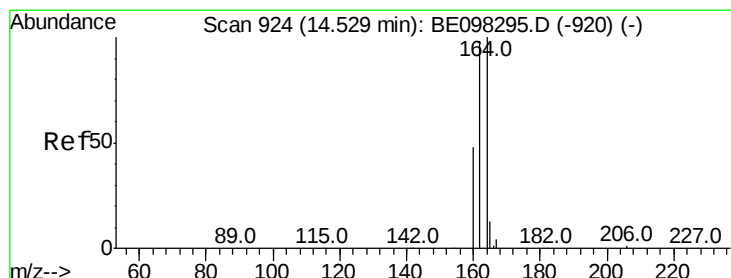
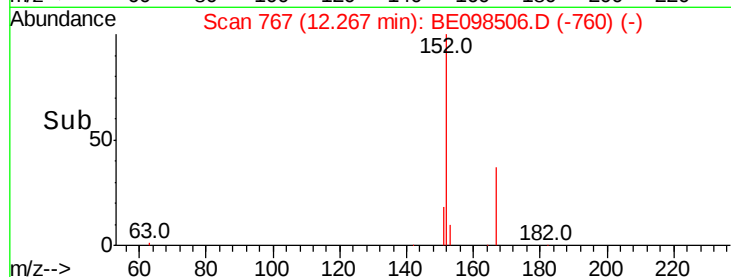
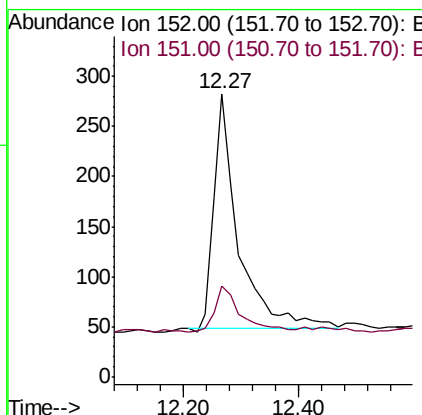
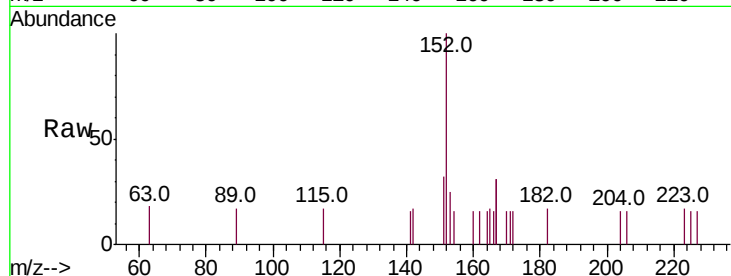




#11
 2-Methylnaphthalene-d10
 Concen: 0.204 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098506.D
 Acq: 16 Dec 2018 14:30

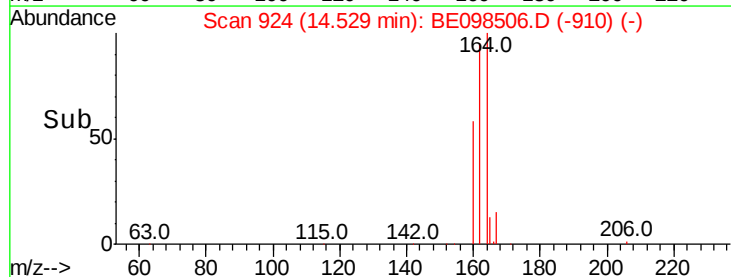
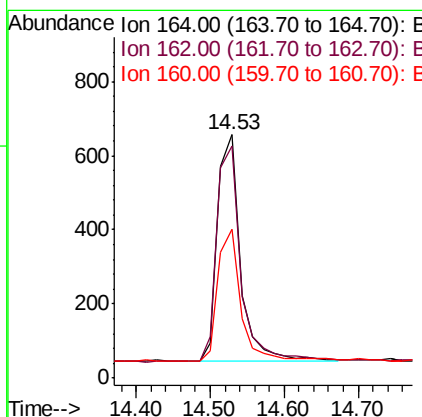
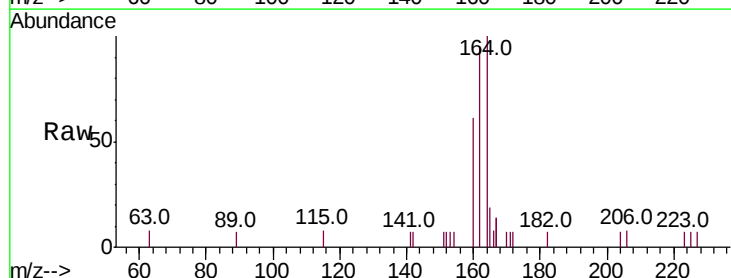
Instrument :
 BNA_E
 ClientSampleId :
 DUP03-20181210DL

Tot Ion:152 Resp: 693
 Ion Ratio Lower Upper
 152 100
 151 22.1 16.2 24.4



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098506.D
 Acq: 16 Dec 2018 14:30

Tgt Ion:164 Resp: 1329
 Ion Ratio Lower Upper
 164 100
 162 95.3 77.6 116.4
 160 60.9 36.0 54.0#





#14

2,4,6-Tribromophenol

Concen: 0.256 ng

RT: 16.03 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

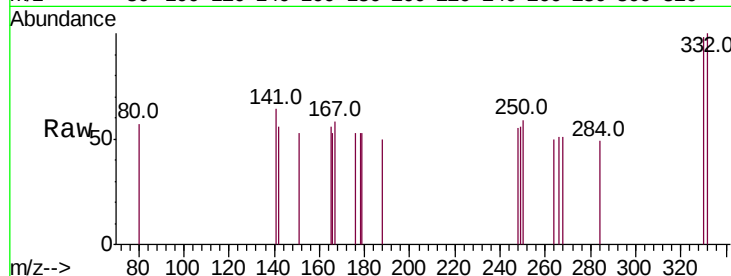
Tot Ion:330 Resp: 125

Ion Ratio Lower Upper

330 100

332 112.0 76.2 114.4

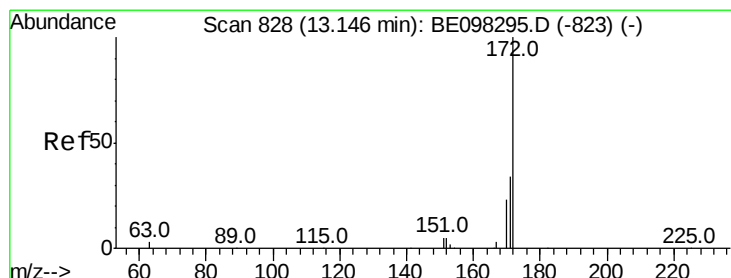
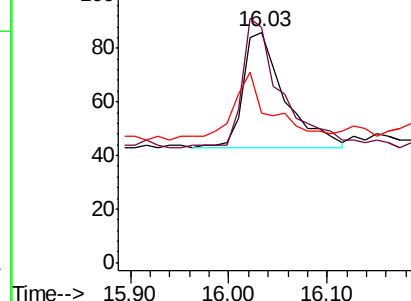
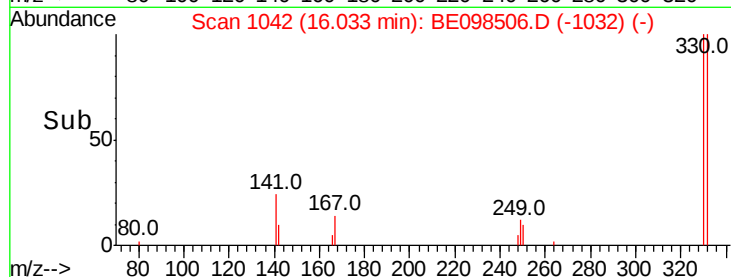
141 53.6 39.0 58.4



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: 0.238 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

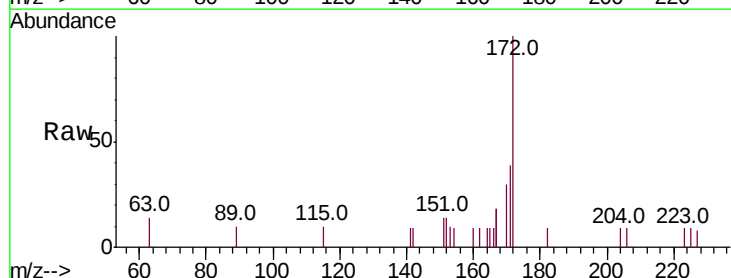
Tgt Ion:172 Resp: 1333

Ion Ratio Lower Upper

172 100

171 39.1 27.5 41.3

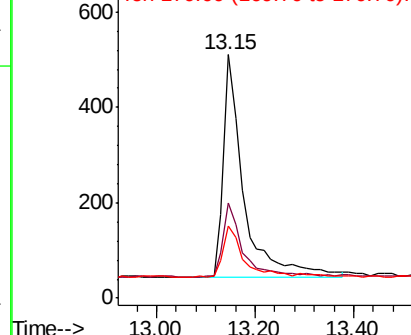
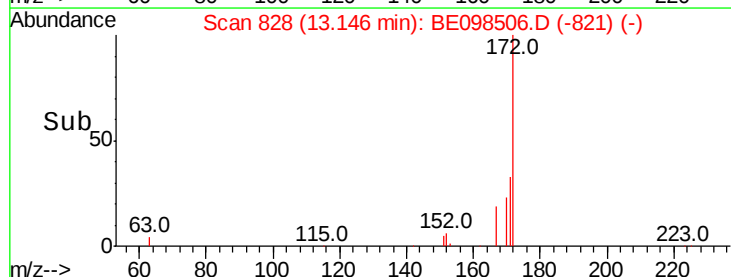
170 29.5 19.6 29.4#

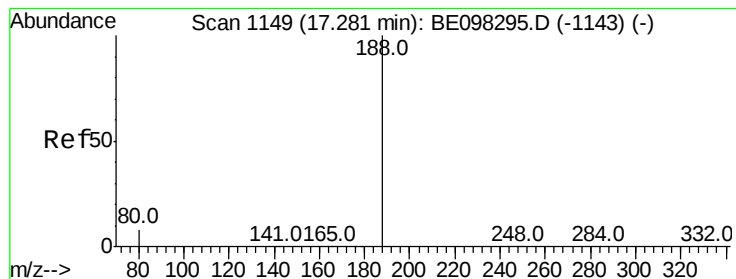


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

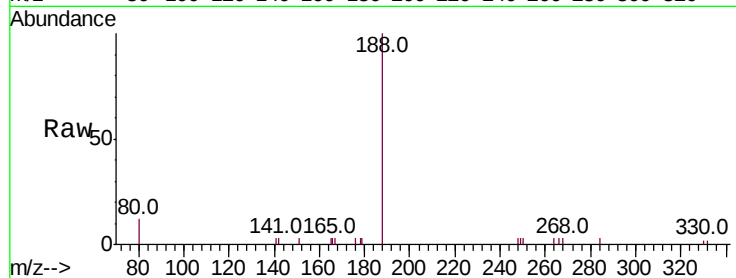
Tot Ion:188 Resp: 4184

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

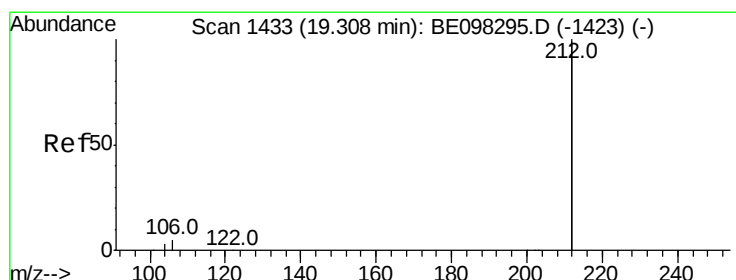
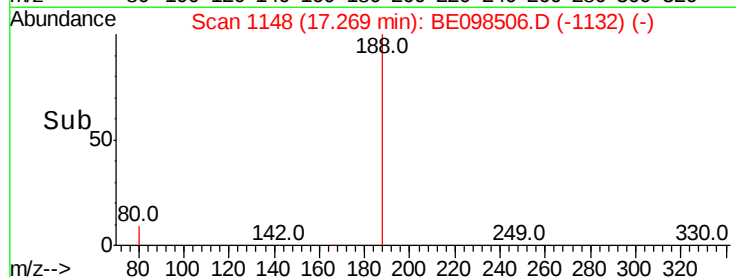
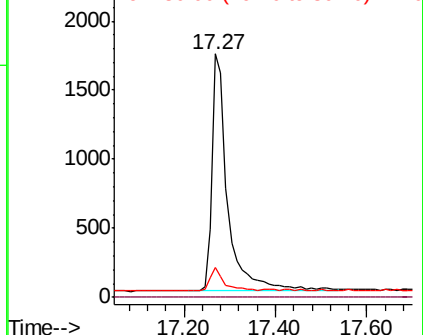
80 12.0 7.2 10.8#



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: 0.265 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

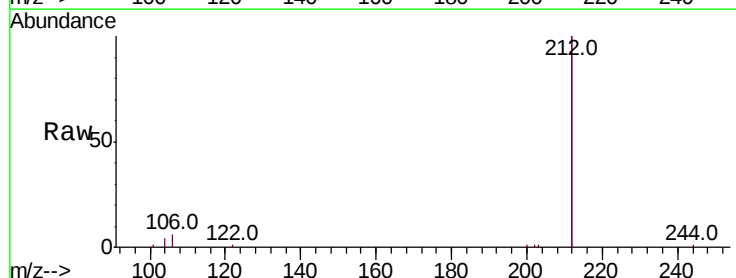
Tgt Ion:212 Resp: 14242

Ion Ratio Lower Upper

212 100

106 2.5 2.2 3.2

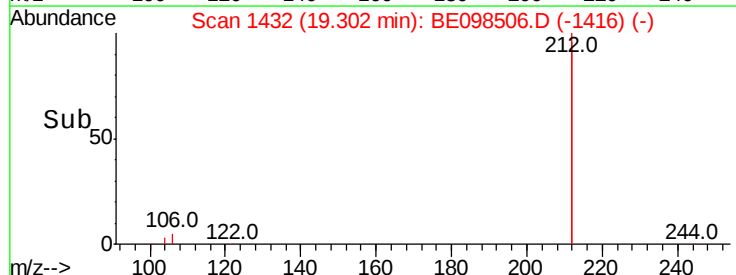
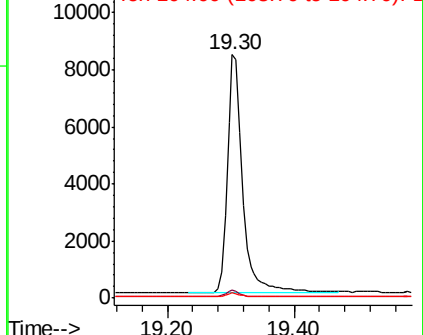
104 1.3 1.3 1.9



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: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

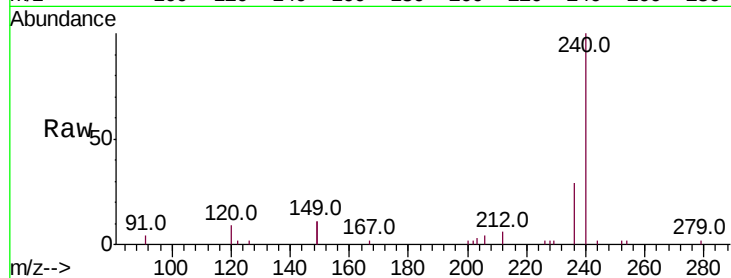
Tot Ion:240 Resp: 5792

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

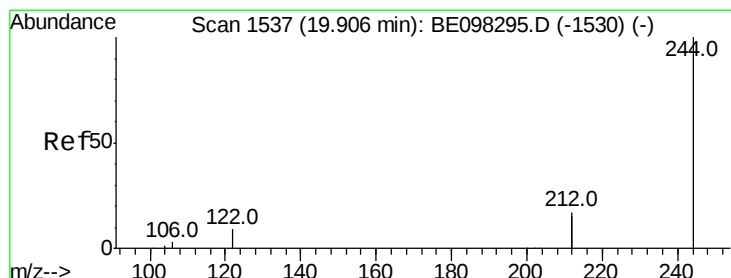
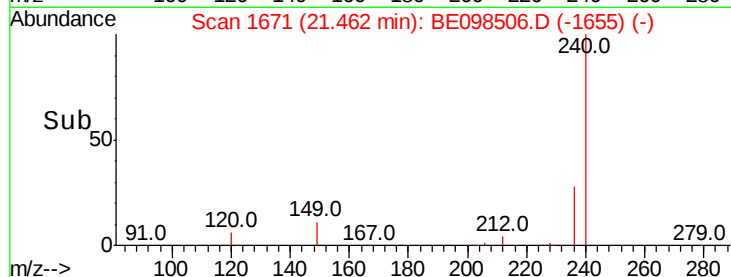
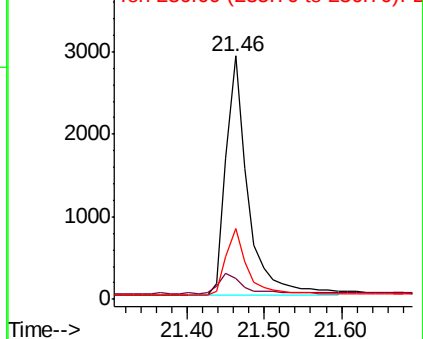
236 29.0 22.7 34.1



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: 0.227 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

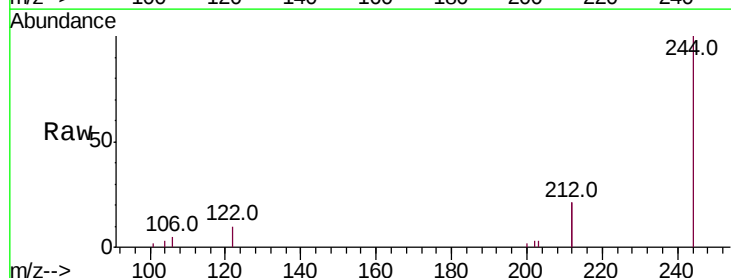
Tgt Ion:244 Resp: 3196

Ion Ratio Lower Upper

244 100

212 42.8 27.4 41.0#

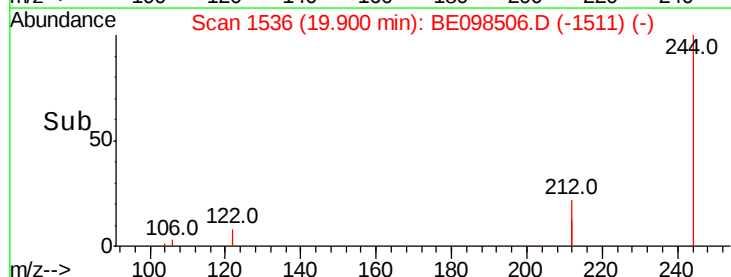
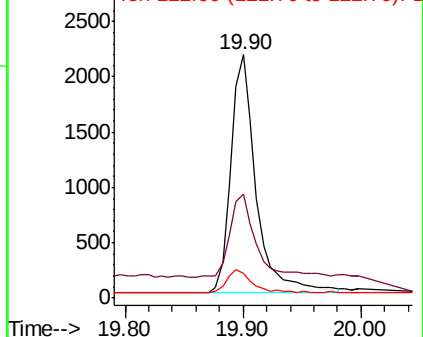
122 10.4 8.3 12.5

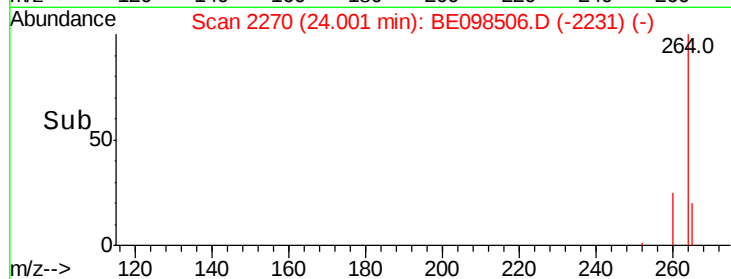
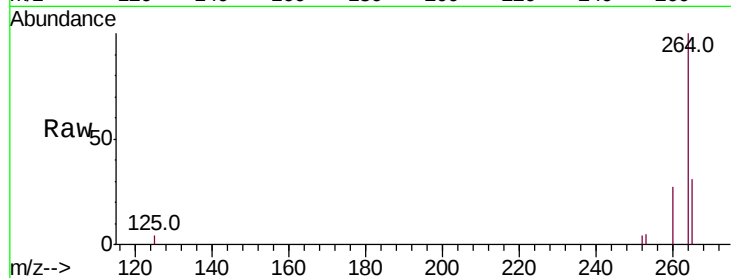


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BE098506.D

Acq: 16 Dec 2018 14:30

Instrument :

BNA_E

ClientSampleId :

DUP03-20181210DL

Tot Ion:264 Resp: 5522

Ion Ratio Lower Upper

264 100

260 26.9 20.2 30.2

265 30.8 25.2 37.8

