

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031419\
 Data File : BE098942.D
 Acq On : 14 Mar 2019 12:39
 Operator : JU/SJ
 Sample : K1860-07DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE105D1-20190311DL

Quant Time: Mar 15 05:39:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

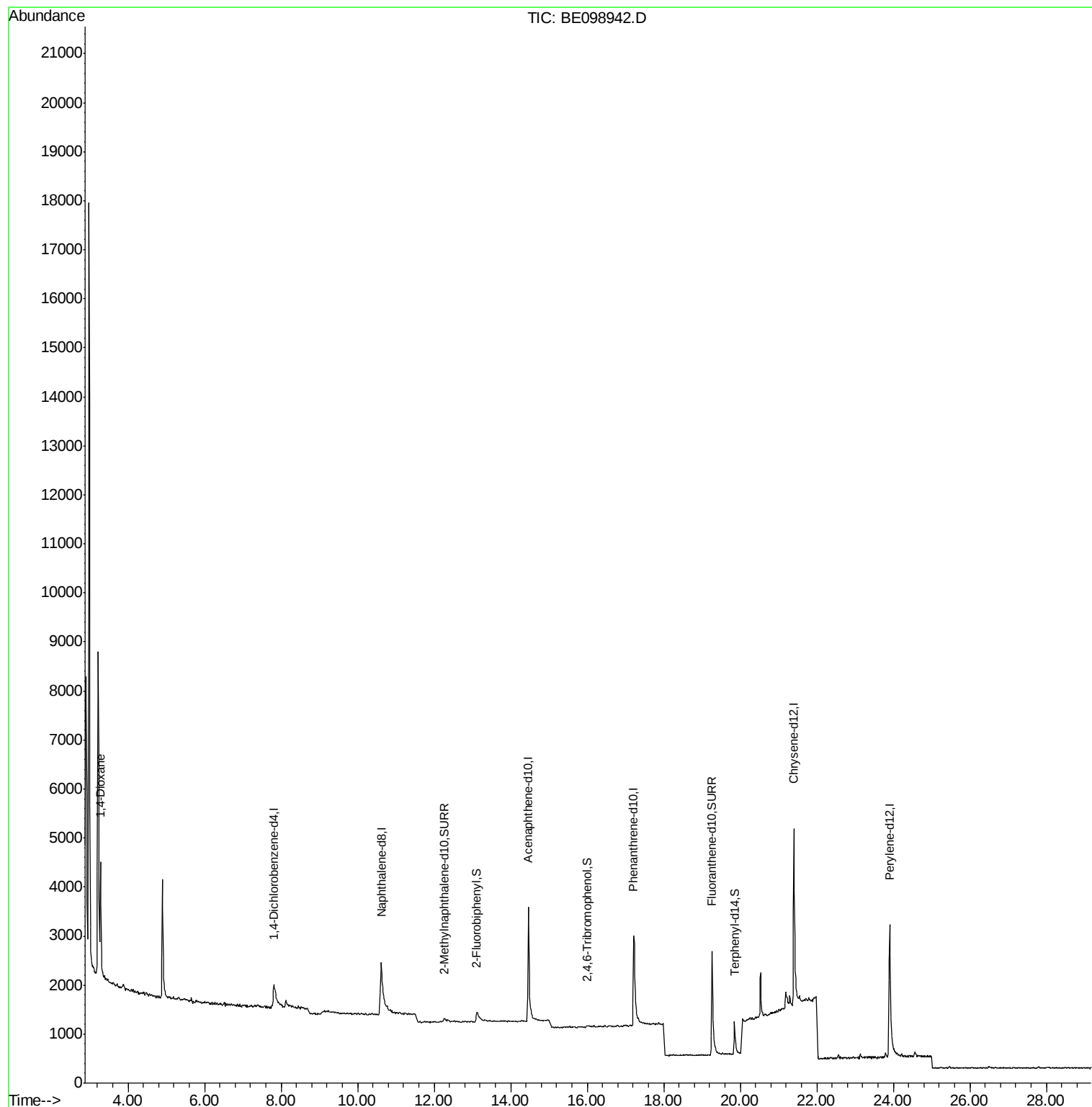
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	539	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	2936	0.40	ng	0.02
13) Acenaphthene-d10	14.46	164	2356	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	5571	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6027	0.40	ng	0.00
34) Perylene-d12	23.90	264	5750	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	17	0.01	ng	0.04
5) Phenol-d6	6.99	99	8	0.00	ng	0.00
8) Nitrobenzene-d5	9.00	82	9	0.00	ng	0.04
11) 2-Methylnaphthalene-d10	12.25	152	314	0.06	ng	0.06
14) 2,4,6-Tribromophenol	16.00	330	59	0.05	ng	0.03
15) 2-Fluorobiphenyl	13.12	172	632	0.06	ng	0.03
25) Fluoranthene-d10	19.26	212	5344	0.06	ng	0.01
29) Terphenyl-d14	19.85	244	1080	0.07	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	1364	1.539	ng	Qvalue # 90

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

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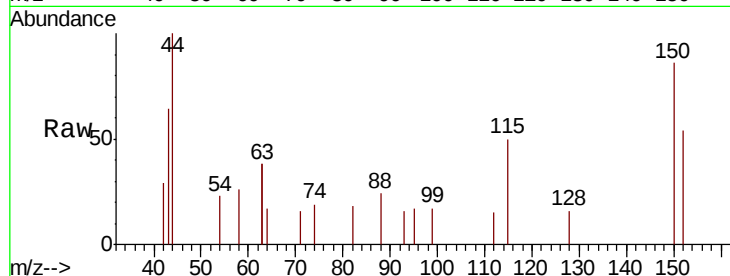


#1

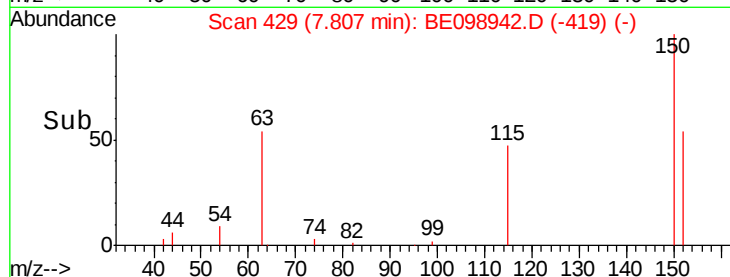
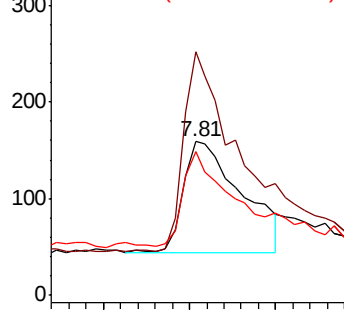
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. 0.01 min
Lab File: BE098942.D
Acq: 14 Mar 2019 12:39

Instrument :
BNA_E
ClientSampleId :
RE105D1-20190311DL

Tot Ion:152 Resp: 539
Ion Ratio Lower Upper
152 100
150 158.5 122.5 183.7
115 93.1 57.4 86.2#



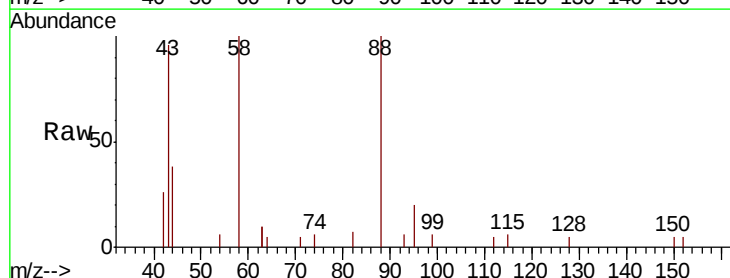
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



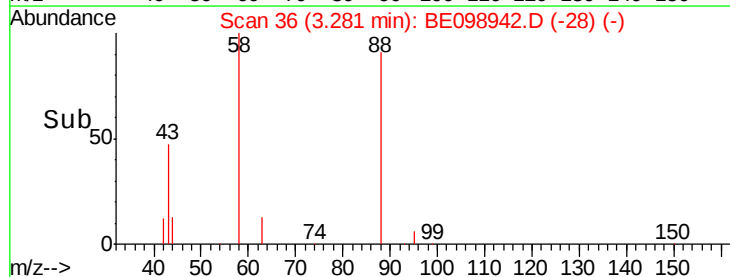
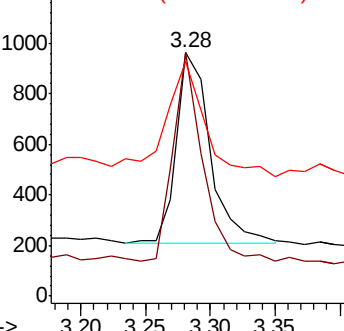
#2

1,4-Dioxane
Concen: 1.539 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098942.D
Acq: 14 Mar 2019 12:39

Tgt Ion: 88 Resp: 1364
Ion Ratio Lower Upper
88 100
58 94.6 75.8 113.6
43 72.1 41.8 62.8#



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: 0.011 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.04 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

Instrument :

BNA_E

ClientSampleId :

RE105D1-20190311DL

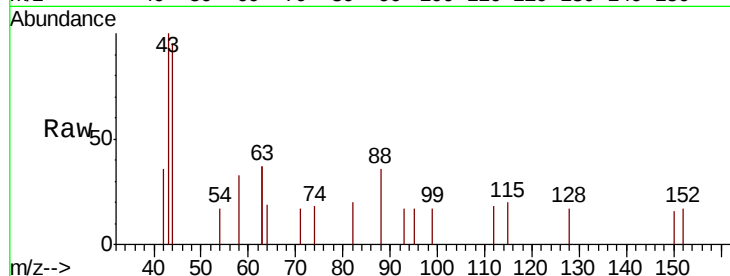
Tot Ion: 112 Resp: 17

Ion Ratio Lower Upper

112 100

64 0.0 57.9 86.9#

63 0.0 158.3 237.5#



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

250

200

150

100

50

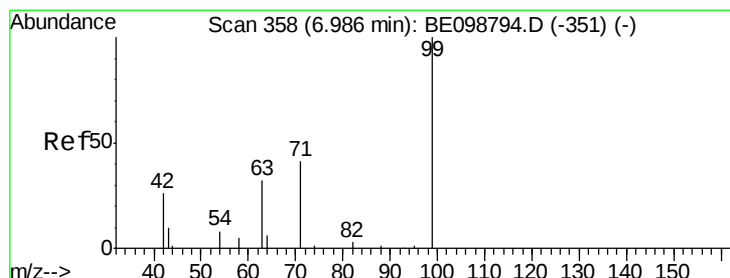
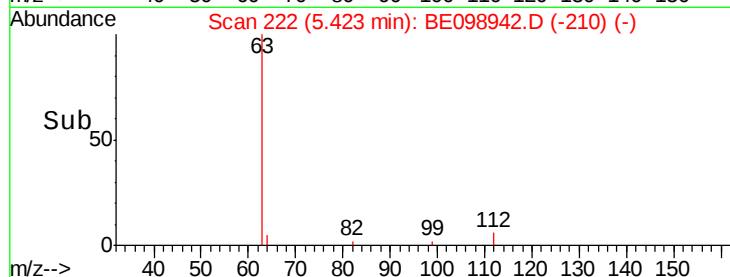
0

5.35

5.40

5.45

Time-->



#5

Phenol-d6

Concen: 0.004 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

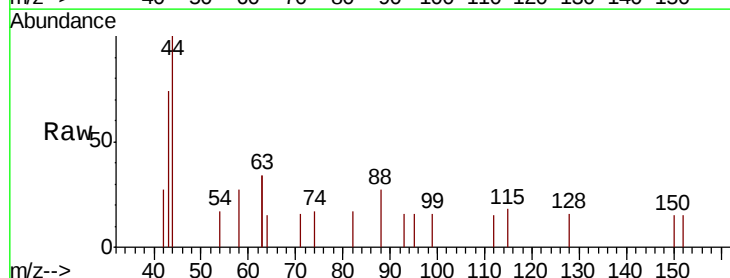
Tgt Ion: 99 Resp: 8

Ion Ratio Lower Upper

99 100

42 125.0 24.2 36.2#

71 0.0 35.7 53.5#



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

120

100

80

60

40

20

0

6.90

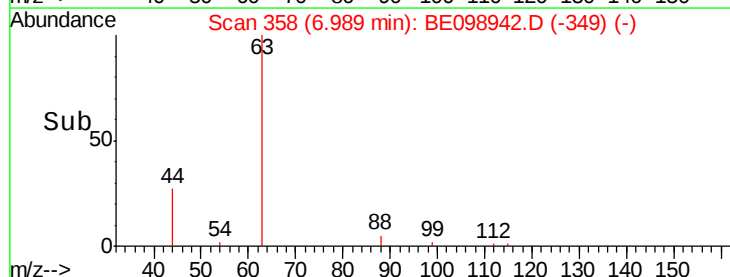
6.95

7.00

7.05

7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.02 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

Instrument :

BNA_E

ClientSampleId :

RE105D1-20190311DL

Tot Ion:136 Resp: 2936

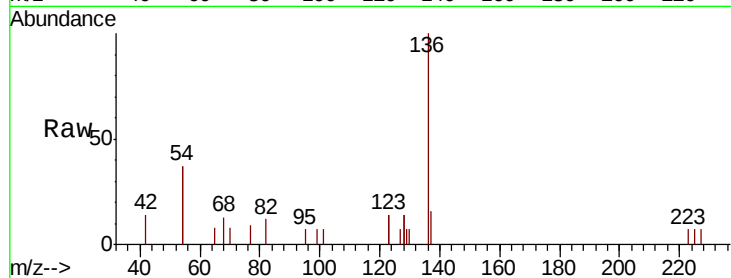
Ion Ratio Lower Upper

136 100

137 16.0 11.4 17.0

54 74.2 39.3 58.9#

68 13.0 6.7 10.1#

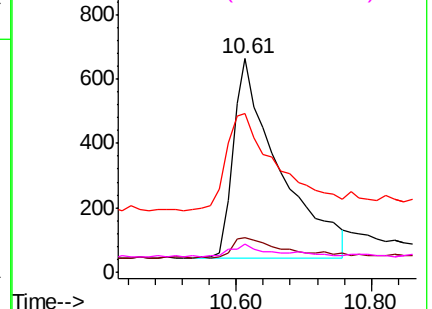
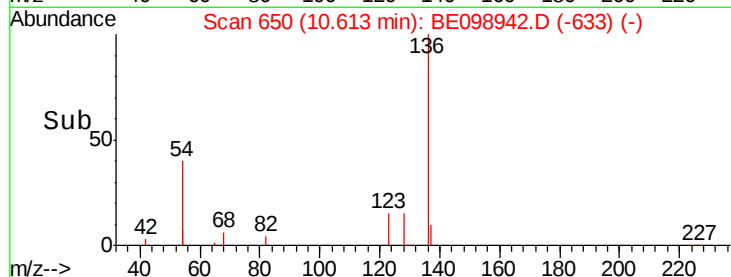


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.003 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

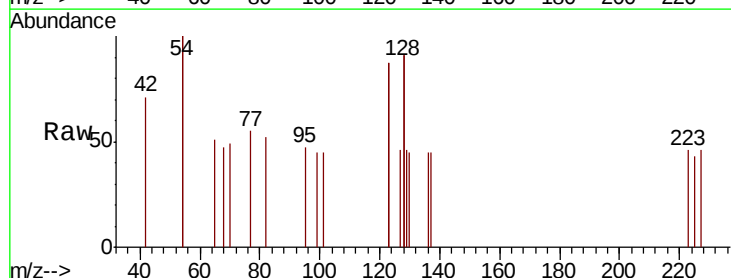
Tgt Ion: 82 Resp: 9

Ion Ratio Lower Upper

82 100

128 348.1 123.8 185.8#

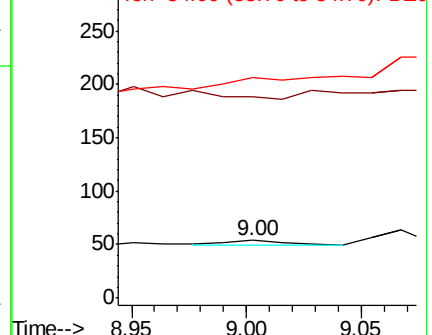
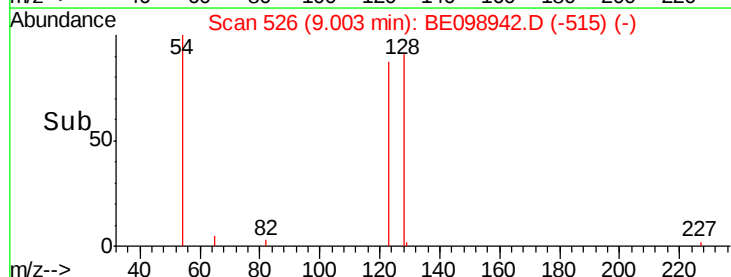
54 381.5 203.4 305.2#

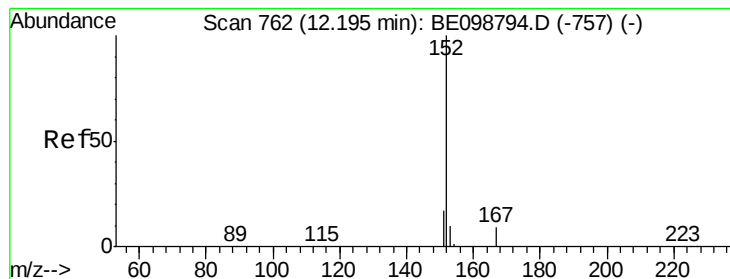


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.058 ng

RT: 12.25 min Scan# 766

Delta R.T. 0.06 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

Instrument :

BNA_E

ClientSampleId :

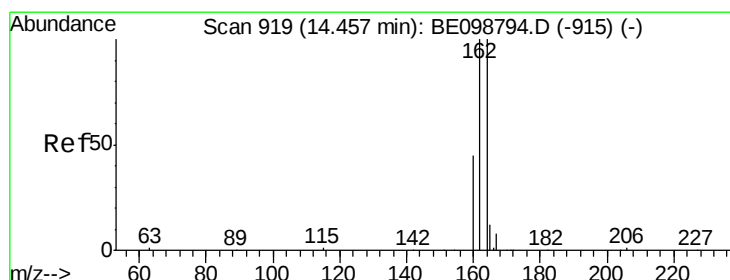
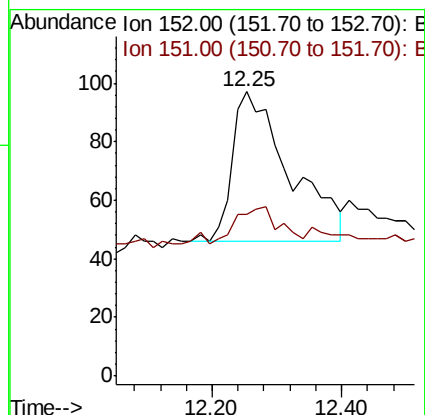
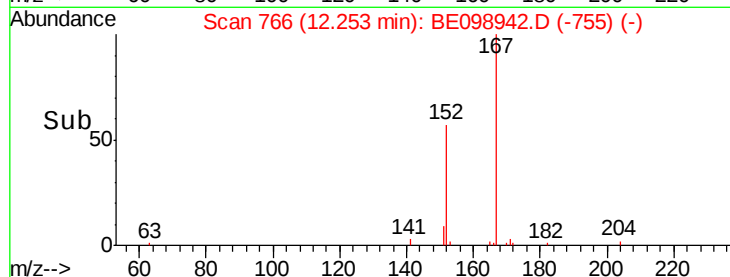
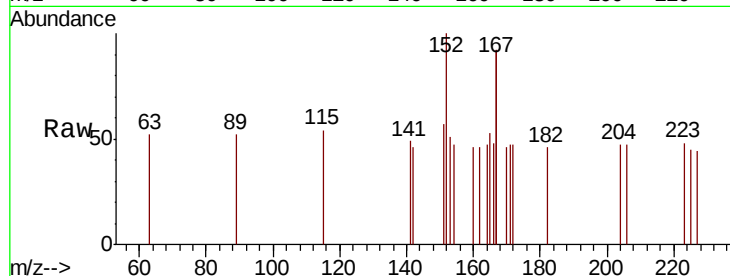
RE105D1-20190311DL

Tot Ion:152 Resp: 314

Ion Ratio Lower Upper

152 100

151 0.0 16.5 24.7#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

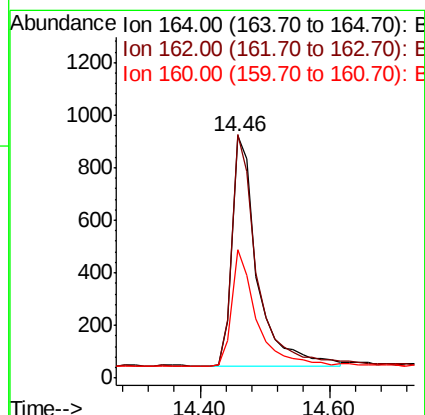
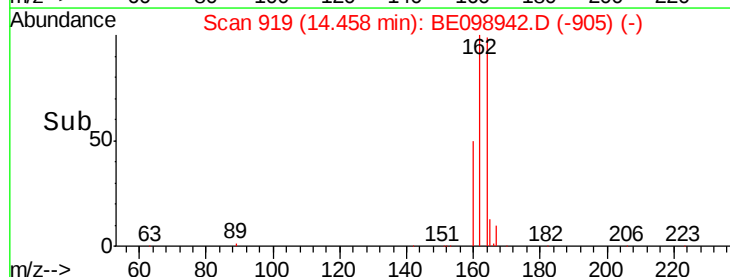
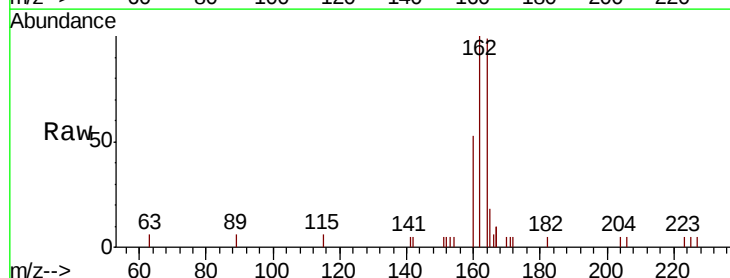
Tgt Ion:164 Resp: 2356

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

160 52.9 37.8 56.8





#14

2,4,6-Tribromophenol

Concen: 0.050 ng

RT: 16.00 min Scan# 1028

Delta R.T. 0.03 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

Instrument :

BNA_E

ClientSampleId :

RE105D1-20190311DL

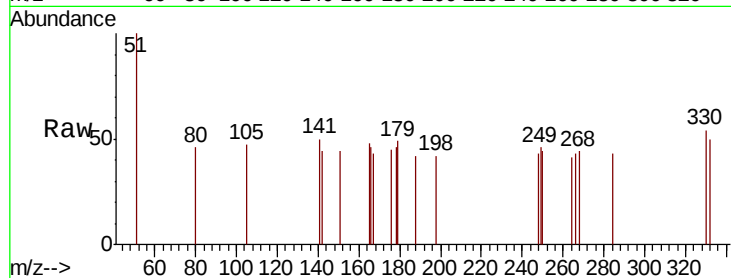
Tot Ion:330 Resp: 59

Ion Ratio Lower Upper

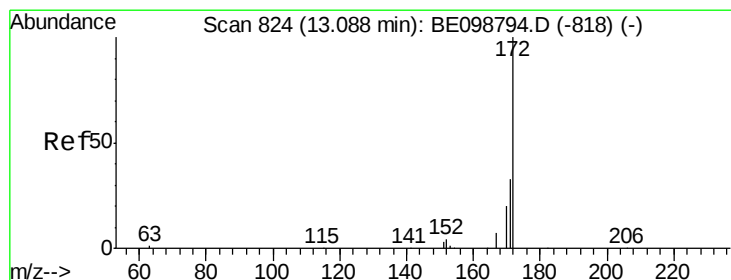
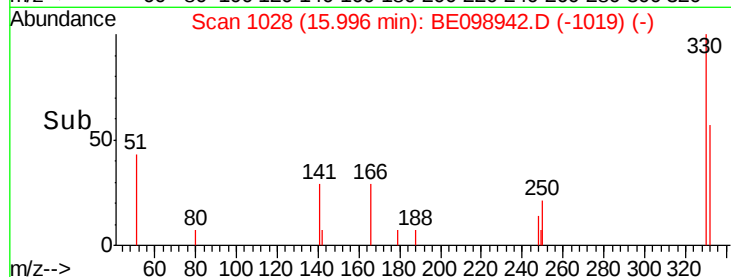
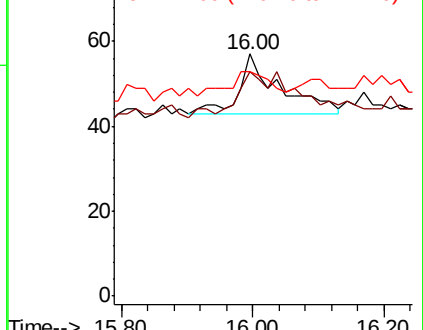
330 100

332 45.8 77.6 116.4#

141 44.1 31.0 46.4



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: 0.065 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.03 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

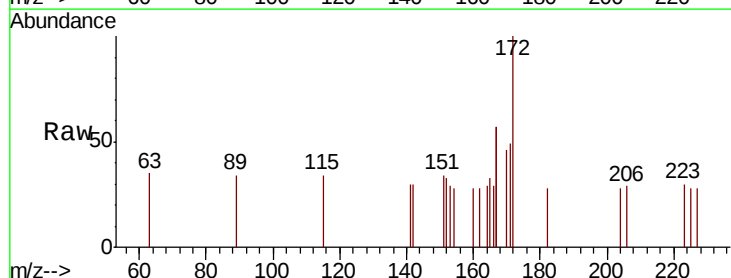
Tgt Ion:172 Resp: 632

Ion Ratio Lower Upper

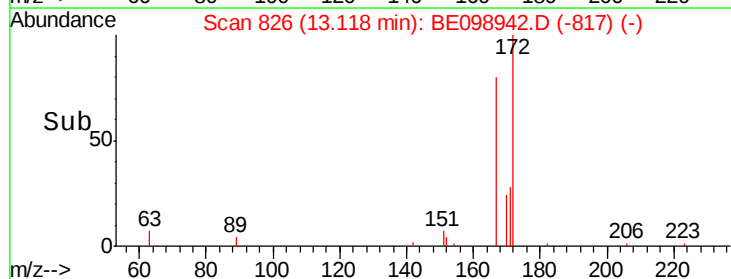
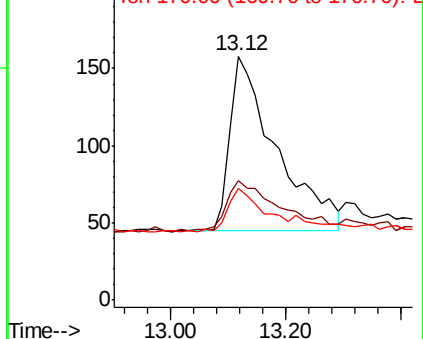
172 100

171 48.7 28.0 42.0#

170 45.6 17.7 26.5#



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

Instrument :

BNA_E

ClientSampleId :

RE105D1-20190311DL

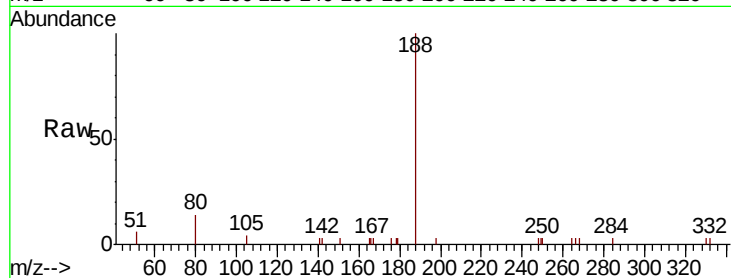
Tot Ion:188 Resp: 5571

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

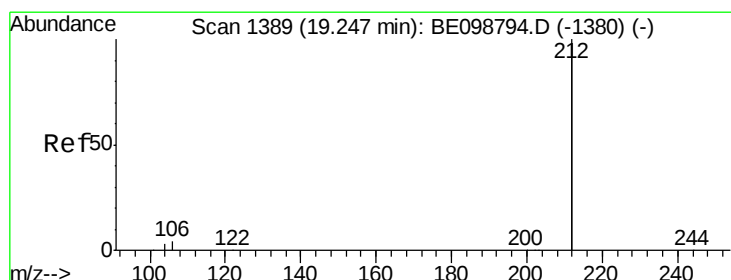
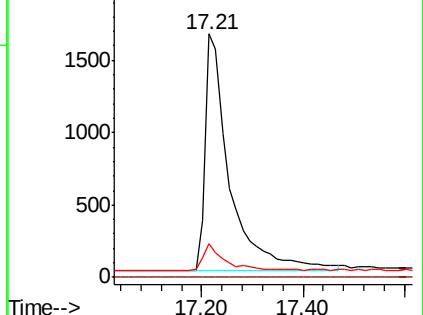
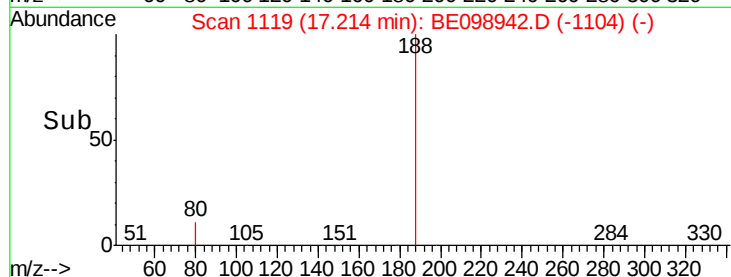
80 13.7 6.3 9.5#



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



#25

Fluoranthene-d10

Concen: 0.060 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

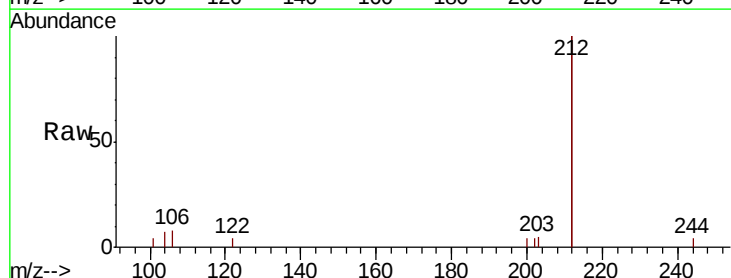
Tgt Ion:212 Resp: 5344

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

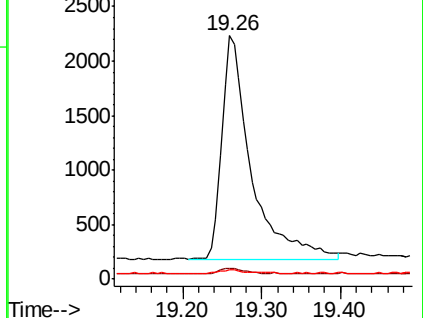
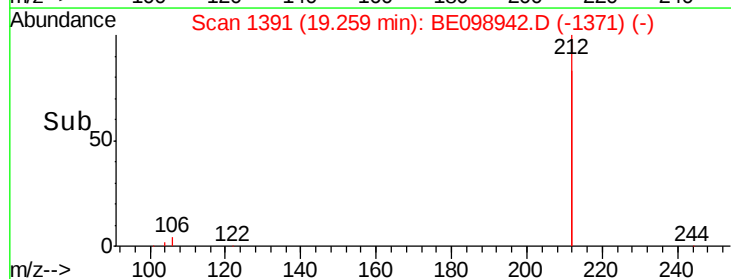
104 1.4 1.0 1.6



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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

Instrument :

BNA_E

ClientSampleId :

RE105D1-20190311DL

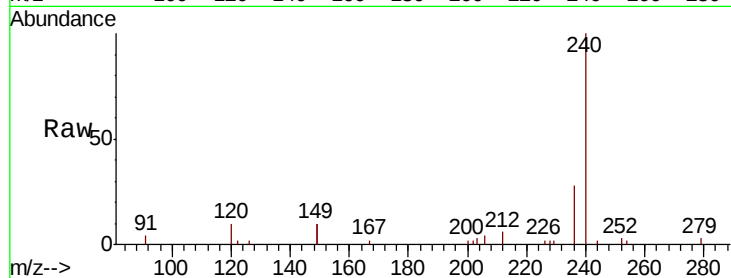
Tot Ion:240 Resp: 6027

Ion Ratio Lower Upper

240 100

120 9.5 5.0 7.4#

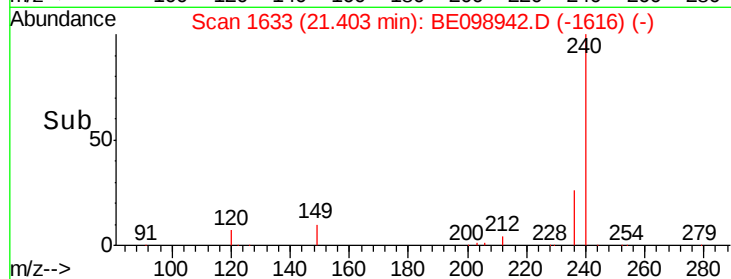
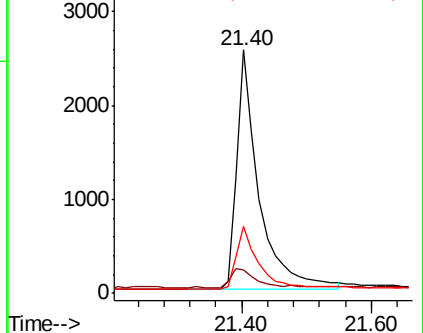
236 27.6 22.7 34.1



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: 0.074 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE098942.D

Acq: 14 Mar 2019 12:39

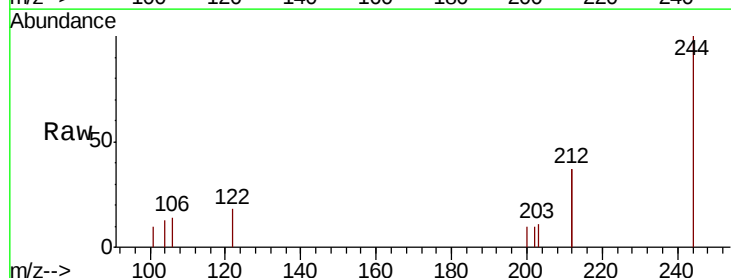
Tgt Ion:244 Resp: 1080

Ion Ratio Lower Upper

244 100

212 73.6 29.4 44.2#

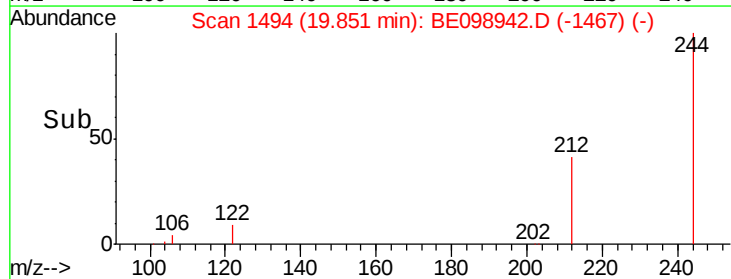
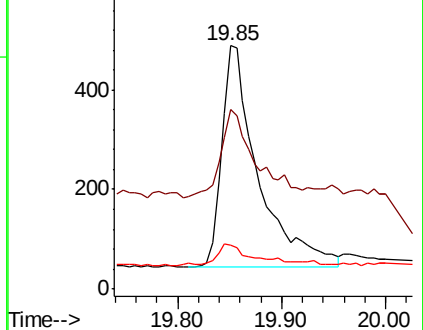
122 18.2 7.1 10.7#

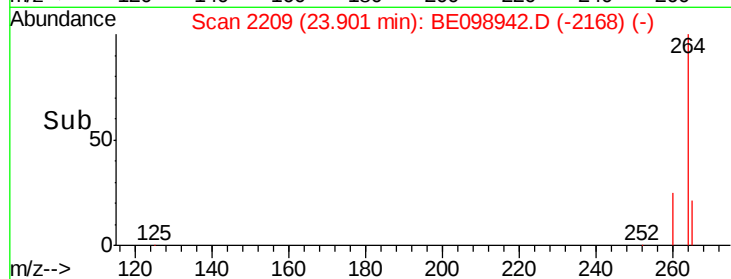
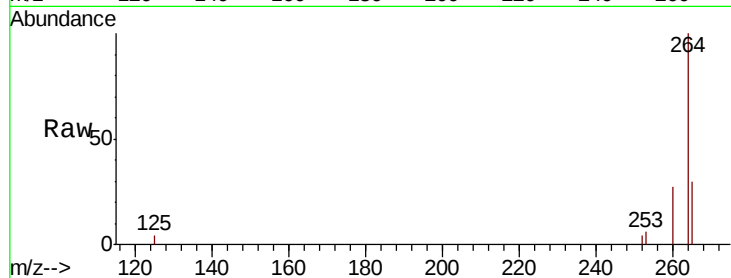


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.90 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BE098942.D
 Acq: 14 Mar 2019 12:39

Instrument :
 BNA_E
 ClientSampleId :
 RE105D1-20190311DL

Tot Ion:264 Resp: 5750
 Ion Ratio Lower Upper
 264 100
 260 27.3 21.2 31.8
 265 30.4 24.6 36.8

