

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE031219\
 Data File : BE098906.D
 Acq On : 12 Mar 2019 20:09
 Operator : JU/SJ
 Sample : K1841-07DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-20190308DL

Quant Time: Mar 13 07:46:31 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

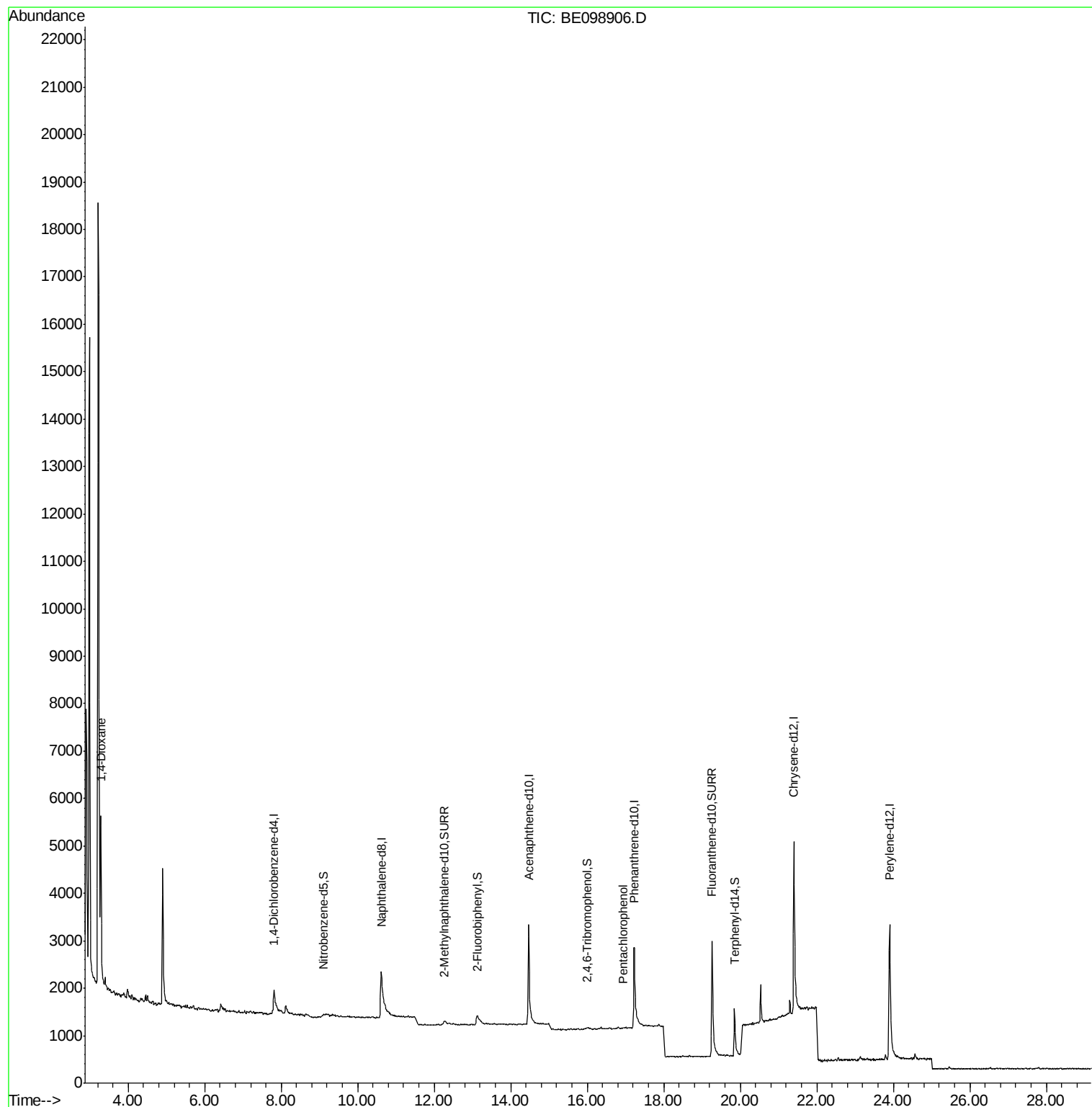
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	554	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	2808	0.40	ng	0.03
13) Acenaphthene-d10	14.47	164	2233	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	5390	0.40	ng	0.01
27) Chrysene-d12	21.40	240	6278	0.40	ng	0.00
34) Perylene-d12	23.90	264	5852	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	26	0.02	ng	0.03
5) Phenol-d6	7.01	99	12	0.01	ng	0.02
8) Nitrobenzene-d5	9.11	82	90	0.03	ng	0.14
11) 2-Methylnaphthalene-d10	12.25	152	403	0.08	ng	0.06
14) 2,4,6-Tribromophenol	16.00	330	50	0.04	ng	0.03
15) 2-Fluorobiphenyl	13.13	172	690	0.07	ng	0.04
25) Fluoranthene-d10	19.26	212	6380	0.07	ng	0.01
29) Terphenyl-d14	19.85	244	1562	0.10	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.29	88	2202	2.477	ng	98
22) Pentachlorophenol	16.93	266	3	0.267	ng	85

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. 0.01 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

Instrument :

BNA_E

ClientSampleId :

RE125D2-20190308DL

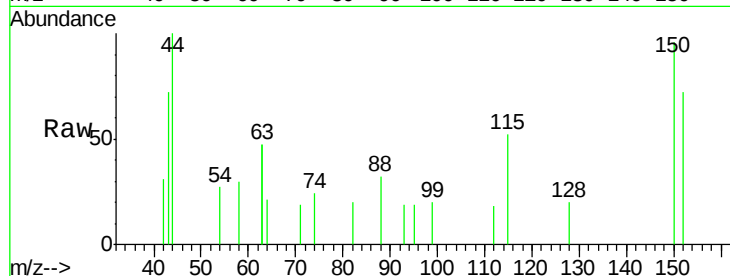
Tgt Ion:152 Resp: 554

Ion Ratio Lower Upper

152 100

150 132.6 122.5 183.7

115 71.8 57.4 86.2

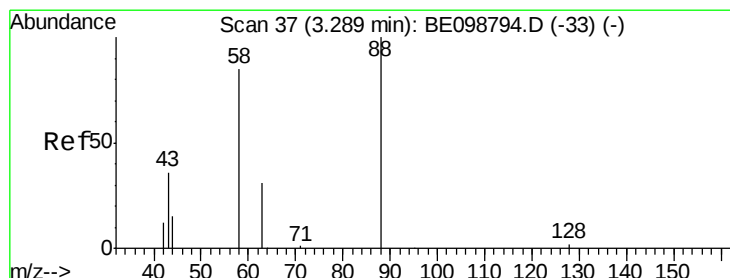
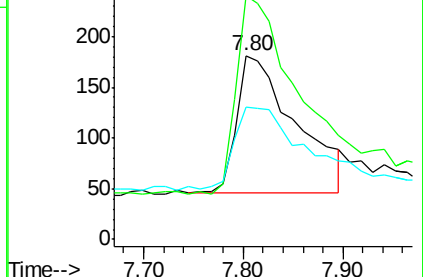
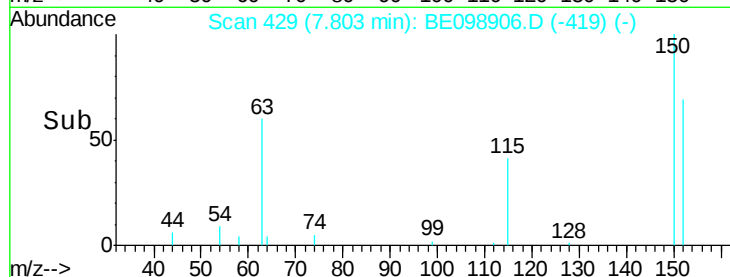


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 2.477 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

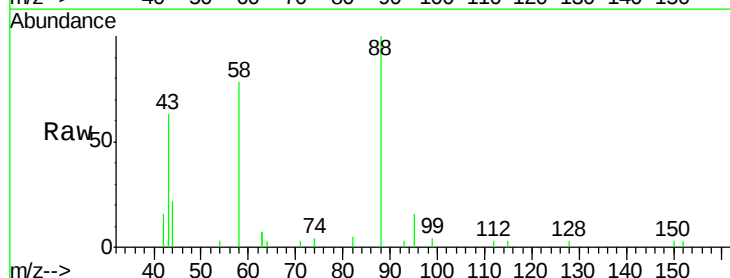
Tgt Ion: 88 Resp: 2202

Ion Ratio Lower Upper

88 100

58 96.3 75.8 113.6

43 50.3 41.8 62.8

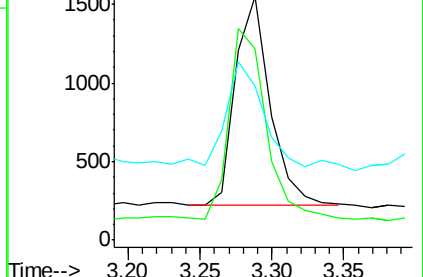
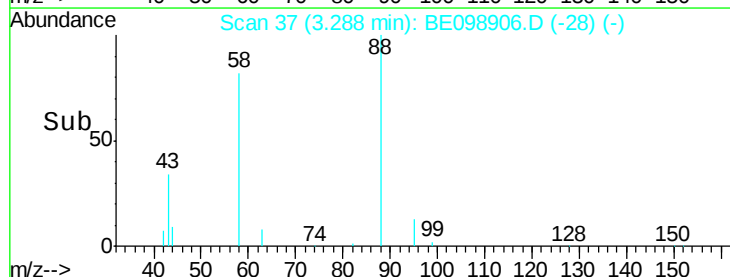


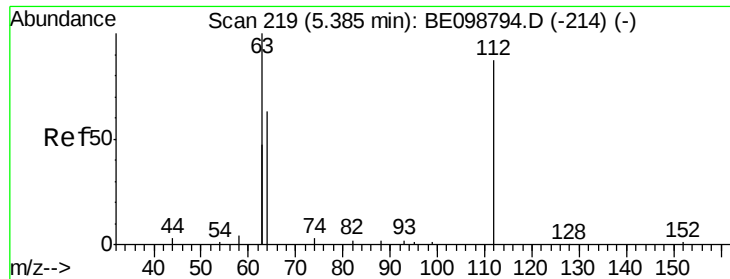
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->





#4

2-Fluorophenol

Concen: 0.016 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.03 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

Instrument :

BNA_E

ClientSampleId :

RE125D2-20190308DL

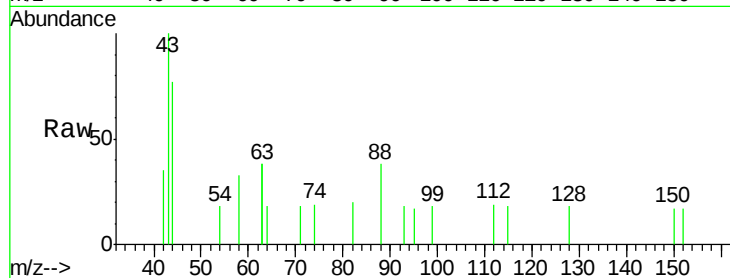
Tgt Ion: 112 Resp: 26

Ion Ratio Lower Upper

112 100

64 42.3 57.9 86.9#

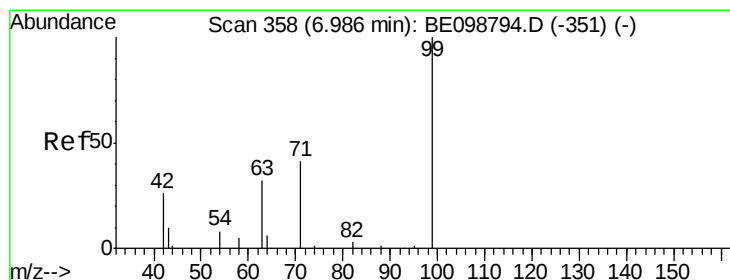
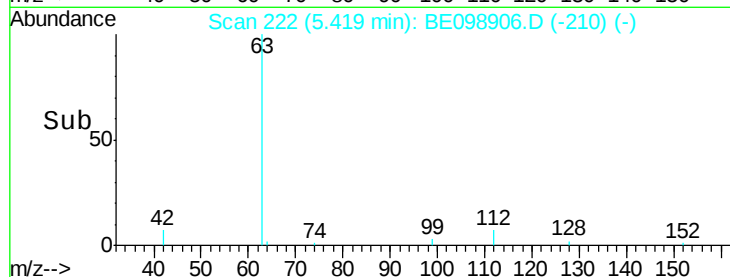
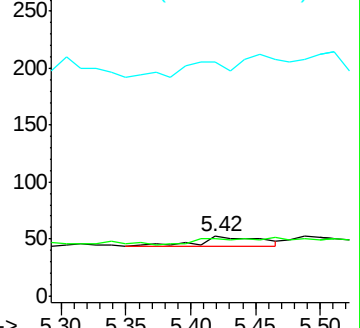
63 134.6 158.3 237.5#



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: 0.005 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

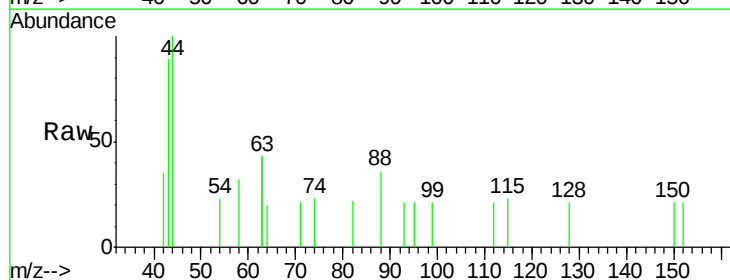
Tgt Ion: 99 Resp: 12

Ion Ratio Lower Upper

99 100

42 325.0 24.2 36.2#

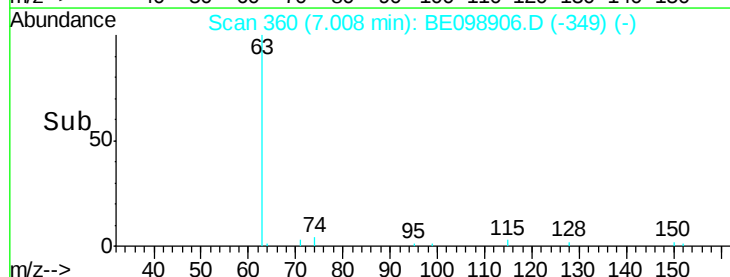
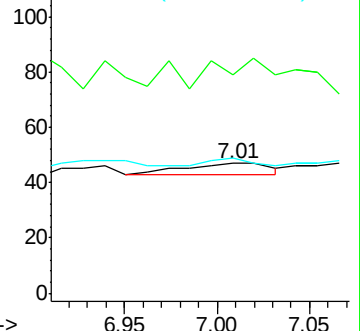
71 33.3 35.7 53.5#



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 651

Delta R.T. 0.03 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

Instrument :

BNA_E

ClientSampleId :

RE125D2-20190308DL

Tgt Ion:136 Resp: 2808

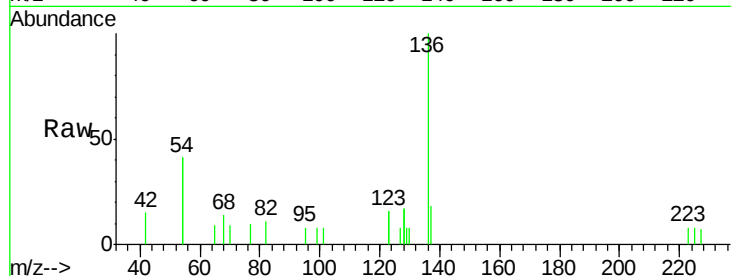
Ion Ratio Lower Upper

136 100

137 17.6 11.4 17.0#

54 82.2 39.3 58.9#

68 13.7 6.7 10.1#



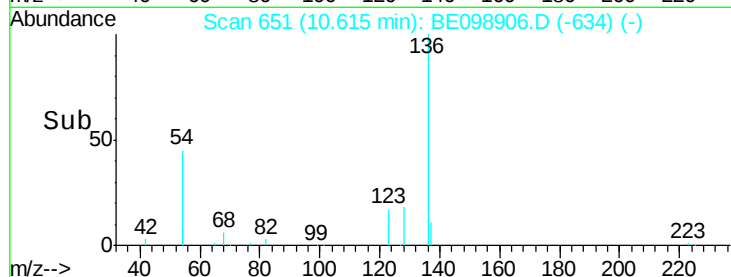
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



Abundance

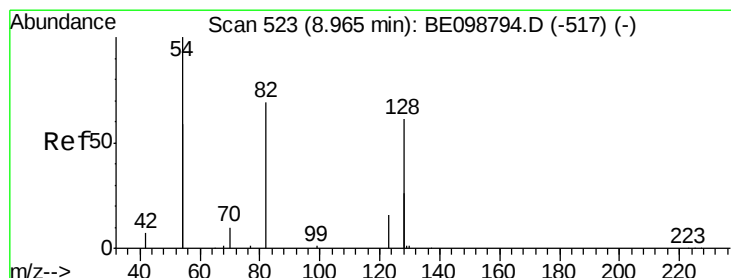
Ion 136.00 (135.70 to 136.70): E

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

Time-->



#8

Nitrobenzene-d5

Concen: 0.031 ng

RT: 9.11 min Scan# 535

Delta R.T. 0.14 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

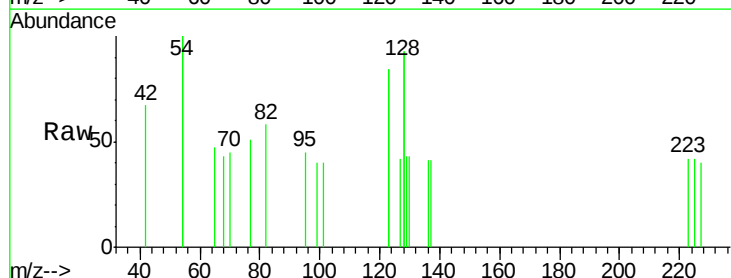
Tgt Ion: 82 Resp: 90

Ion Ratio Lower Upper

82 100

128 318.8 123.8 185.8#

54 343.8 203.4 305.2#

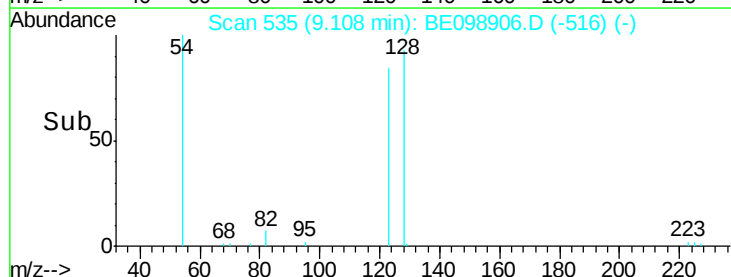


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



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

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.078 ng

RT: 12.25 min Scan# 767

Delta R.T. 0.06 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

Instrument :

BNA_E

ClientSampleId :

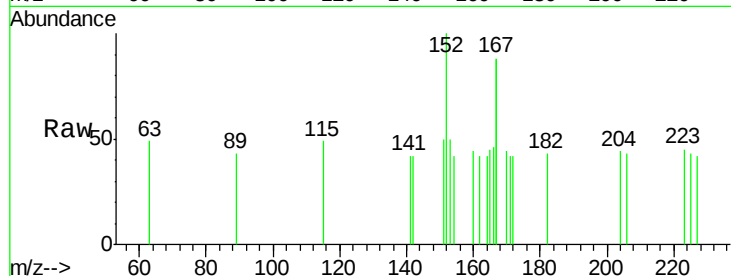
RE125D2-20190308DL

Tgt Ion:152 Resp: 403

Ion Ratio Lower Upper

152 100

151 16.1 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.25

100

80

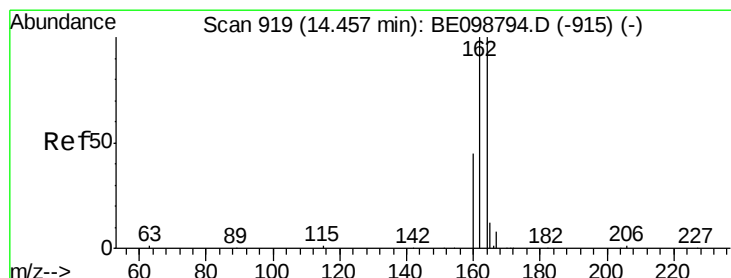
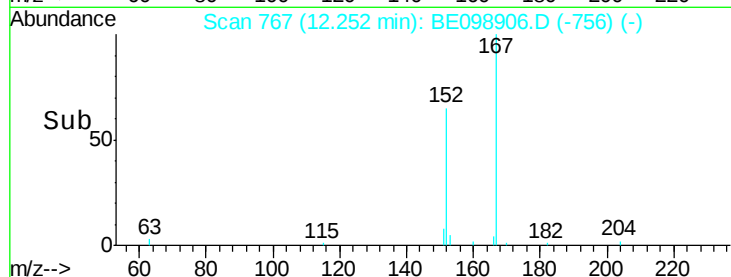
60

40

20

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 921

Delta R.T. 0.01 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

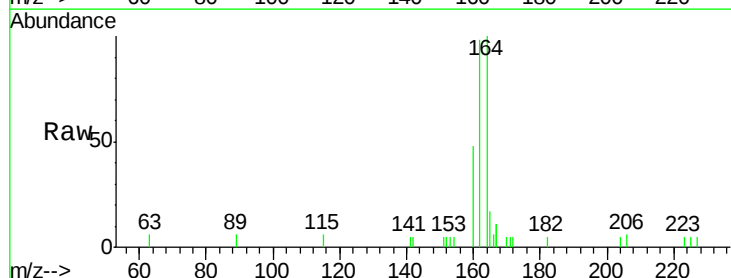
Tgt Ion:164 Resp: 2233

Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.2

160 48.4 37.8 56.8



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

14.47

1200

1000

800

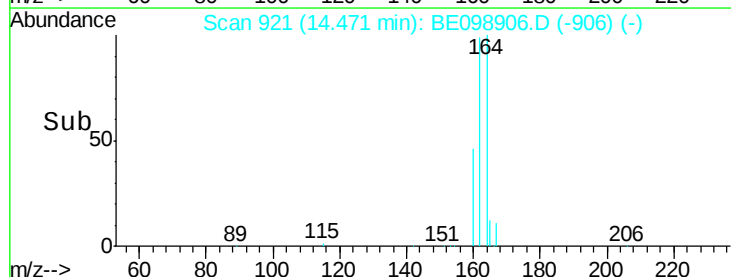
600

400

200

0

Time-->

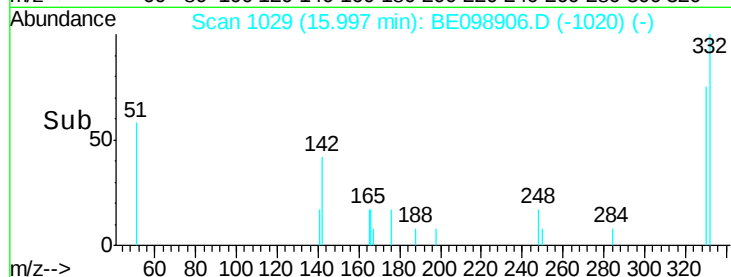
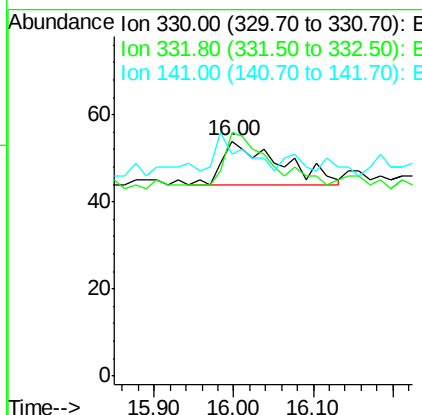
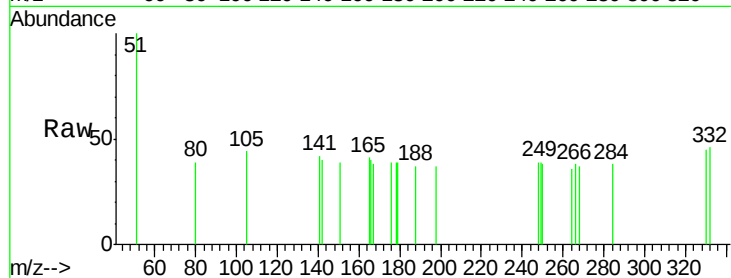




#14
 2,4,6-Tribromophenol
 Concen: 0.044 ng
 RT: 16.00 min Scan# 1029
 Delta R.T. 0.03 min
 Lab File: BE098906.D
 Acq: 12 Mar 2019 20:09

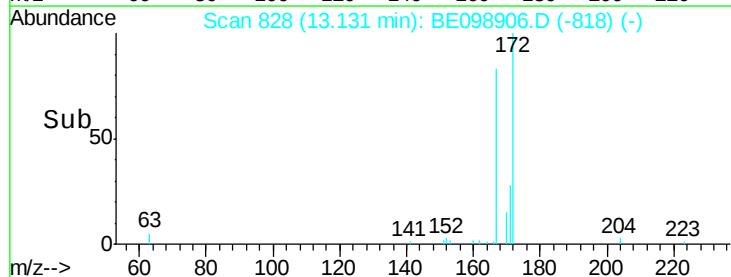
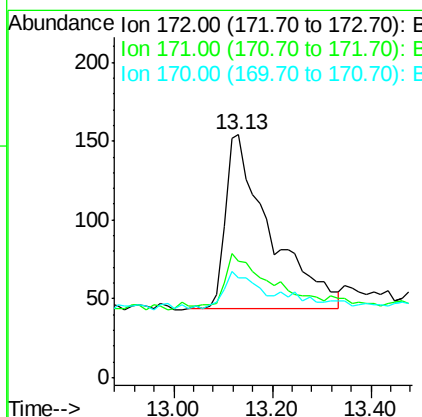
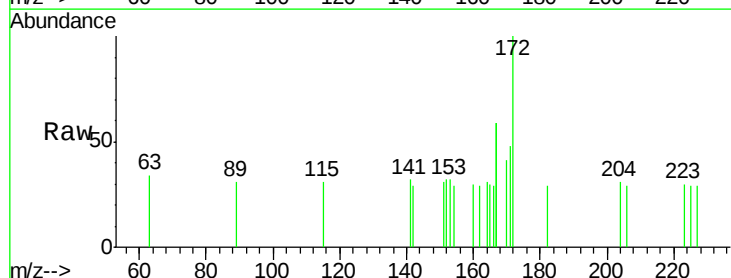
Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-20190308DL

Tgt Ion: 330 Resp: 50
 Ion Ratio Lower Upper
 330 100
 332 88.0 77.6 116.4
 141 40.0 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.075 ng
 RT: 13.13 min Scan# 828
 Delta R.T. 0.04 min
 Lab File: BE098906.D
 Acq: 12 Mar 2019 20:09

Tgt Ion: 172 Resp: 690
 Ion Ratio Lower Upper
 172 100
 171 48.1 28.0 42.0#
 170 40.9 17.7 26.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

Instrument :

BNA_E

ClientSampleId :

RE125D2-20190308DL

Tgt Ion:188 Resp: 5390

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

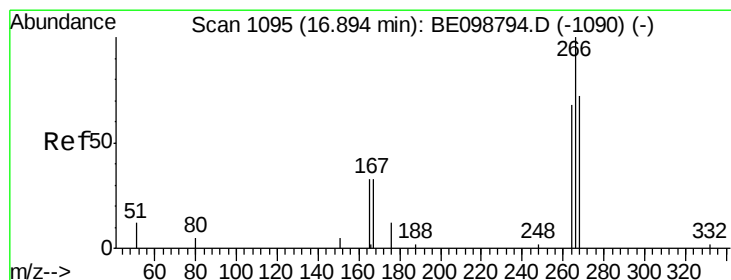
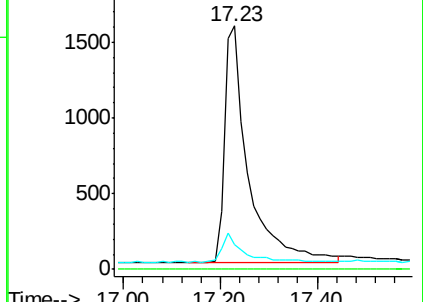
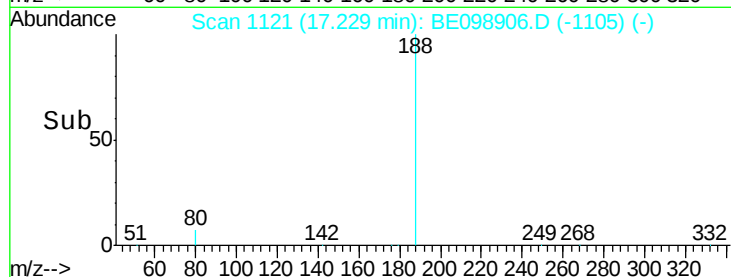
80 10.1 6.3 9.5#



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



#22

Pentachlorophenol

Concen: 0.267 ng

RT: 16.93 min Scan# 1099

Delta R.T. 0.04 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

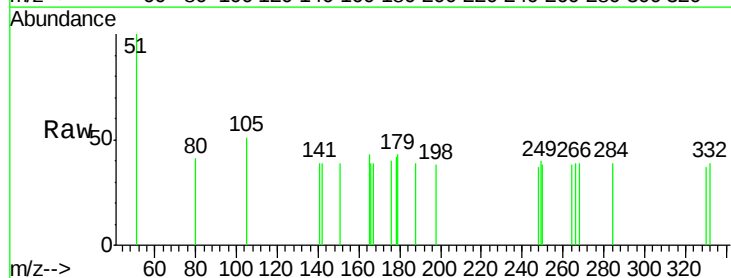
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 97.8 66.6 100.0

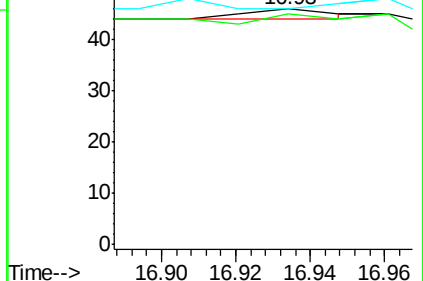
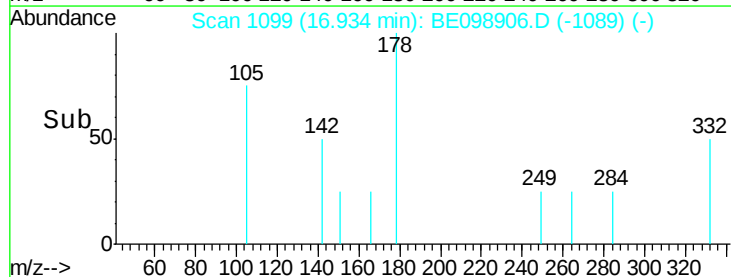
268 100.0 69.8 104.8



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

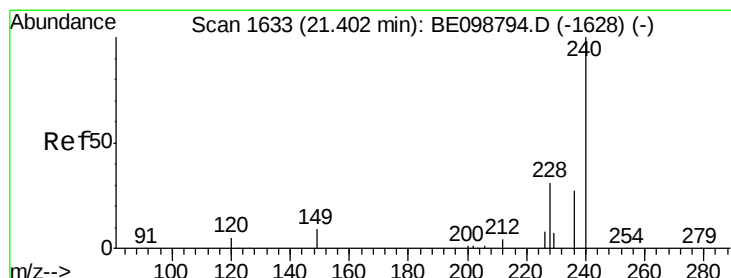
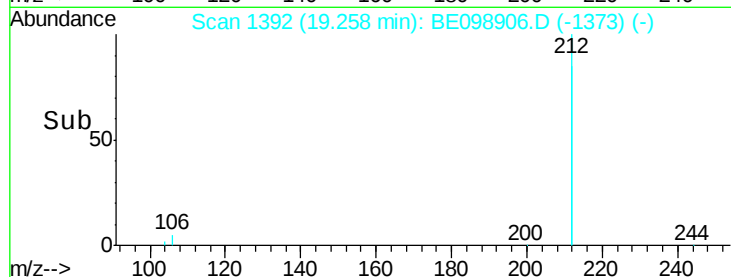
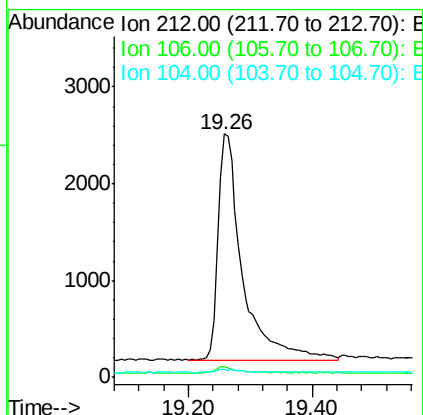
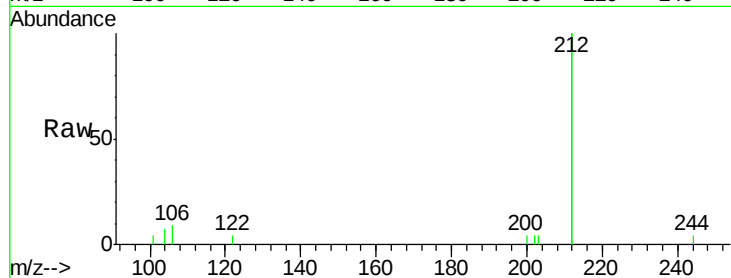




#25
 Fluoranthene-d10
 Concen: 0.074 ng
 RT: 19.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BE098906.D
 Acq: 12 Mar 2019 20:09

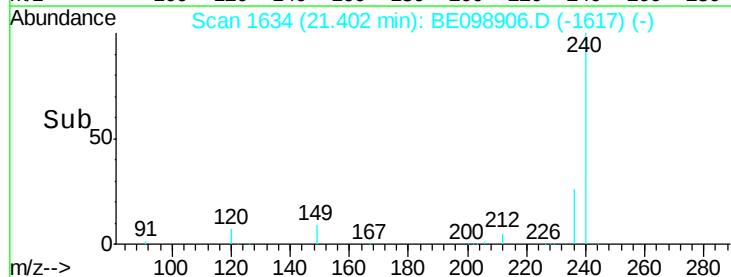
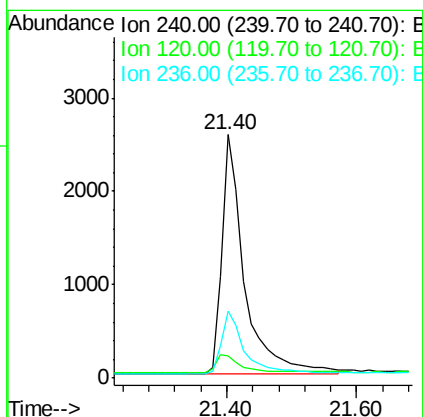
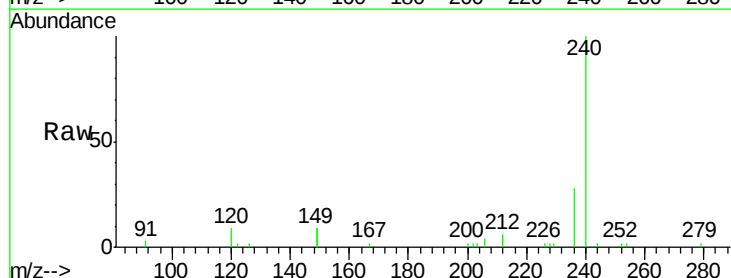
Instrument :
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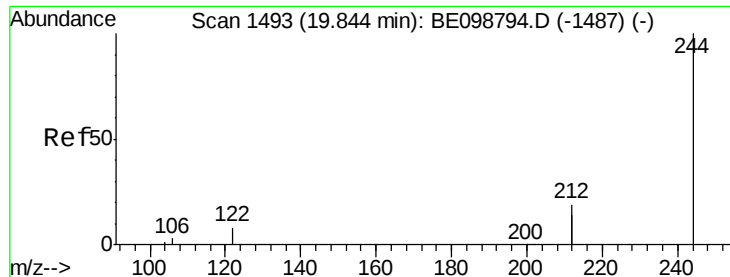
Tgt Ion:212 Resp: 6380
 Ion Ratio Lower Upper
 212 100
 106 2.1 1.8 2.8
 104 1.3 1.0 1.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE098906.D
 Acq: 12 Mar 2019 20:09

Tgt Ion:240 Resp: 6278
 Ion Ratio Lower Upper
 240 100
 120 9.4 5.0 7.4#
 236 27.8 22.7 34.1





#29

Terphenyl-d14

Concen: 0.102 ng

RT: 19.85 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

Instrument :

BNA_E

ClientSampleId :

RE125D2-20190308DL

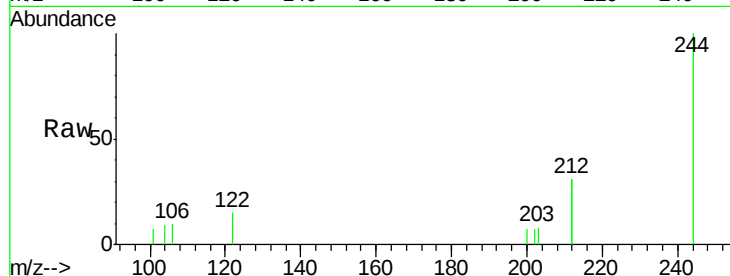
Tgt Ion:244 Resp: 1562

Ion Ratio Lower Upper

244 100

212 62.2 29.4 44.2#

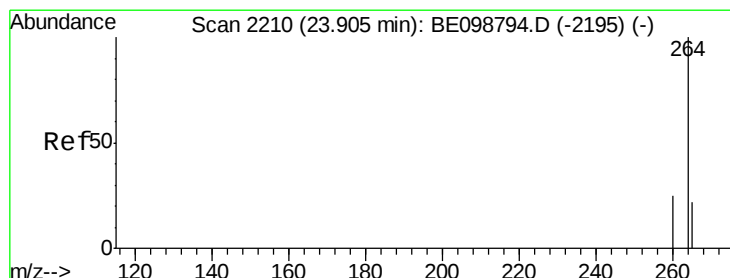
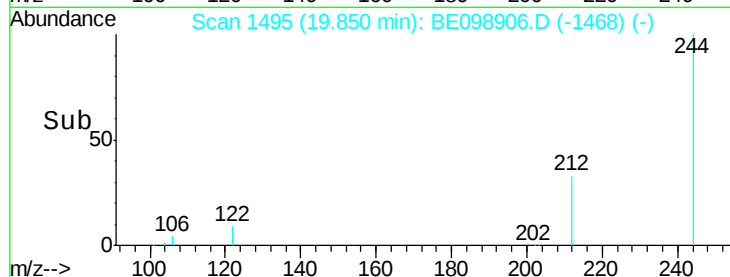
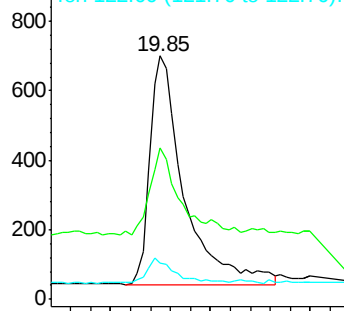
122 15.0 7.1 10.7#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BE098906.D

Acq: 12 Mar 2019 20:09

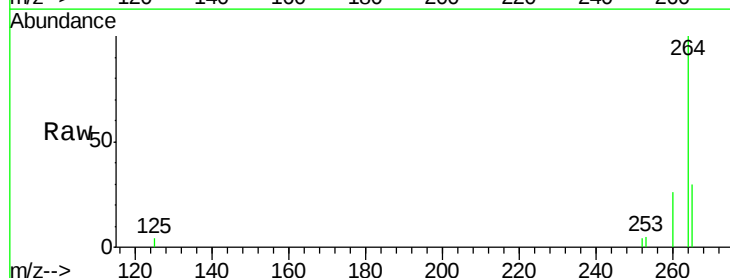
Tgt Ion:264 Resp: 5852

Ion Ratio Lower Upper

264 100

260 26.0 21.2 31.8

265 29.8 24.6 36.8



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

