

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
 Data File : BE100766.D
 Acq On : 22 Nov 2019 20:12
 Operator : JU
 Sample : K5969-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 23 04:25:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 06:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	6152	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	27550	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	16304	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	39300	0.40	ng	0.00
27) Chrysene-d12	21.32	240	40002	0.40	ng	0.00
34) Perylene-d12	23.77	264	44833	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	2562	0.15	ng	0.00
5) Phenol-d6	6.93	99	2536	0.10	ng	0.00
8) Nitrobenzene-d5	8.90	82	5945	0.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	14749	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1871	0.81	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	21081	0.33	ng	0.00
25) Fluoranthene-d10	19.17	212	176420	0.37	ng	0.00
29) Terphenyl-d14	19.77	244	36907	0.40	ng	0.00

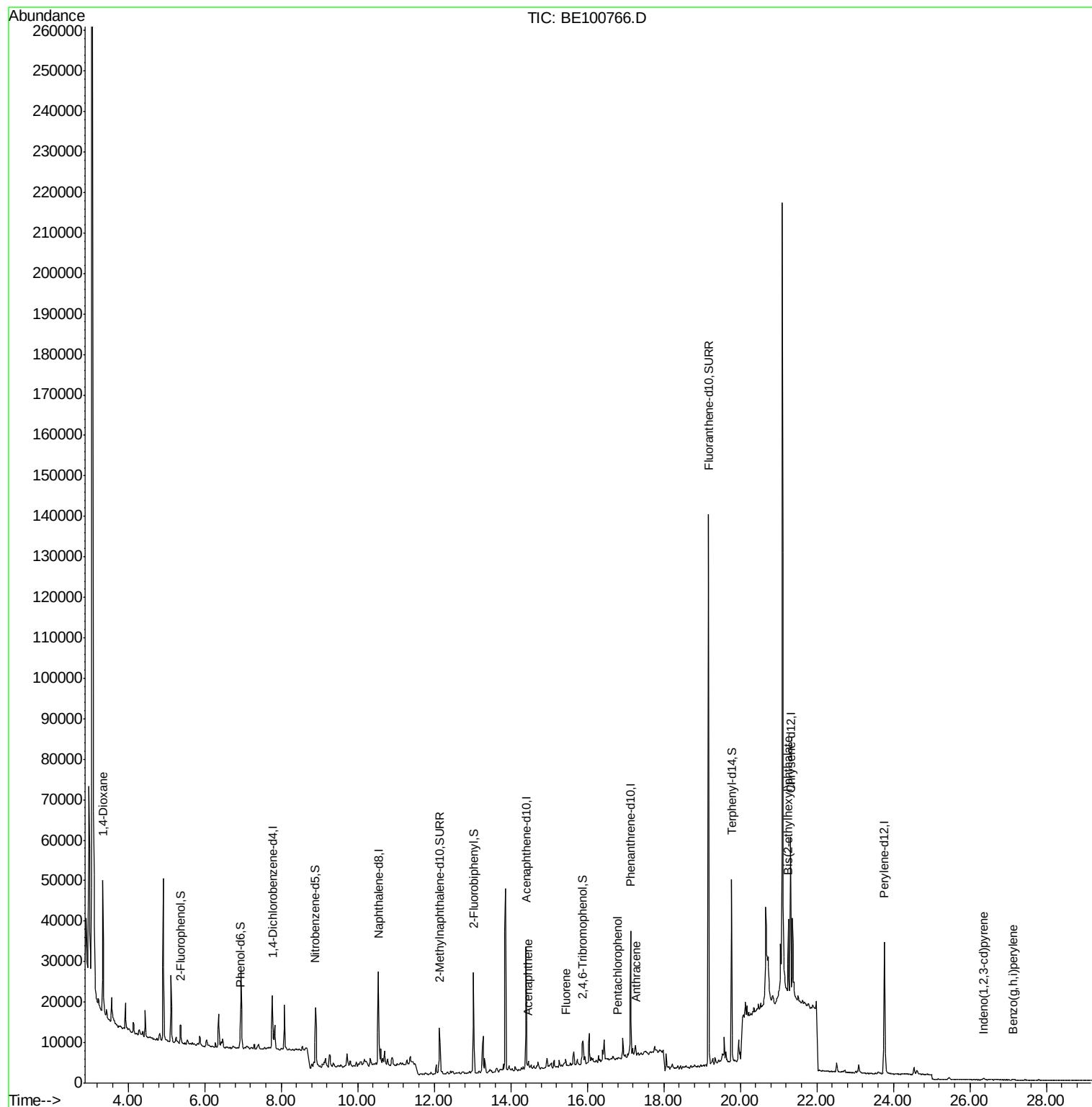
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	21051	1.824	ng	97
17) Acenaphthene	14.46	154	1042	0.022	ng	95
18) Fluorene	15.43	166	1317	0.022	ng	# 81
22) Pentachlorophenol	16.79	266	65	0.075	ng	# 69
24) Anthracene	17.27	178	2424	0.024	ng	96
32) Bis(2-ethylhexyl)phthalate	21.26	149	19459	0.059	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.35	276	296	0.039	ng	# 75
39) Benzo(q,h,i)perylene	27.13	276	400	0.025	ng	# 1

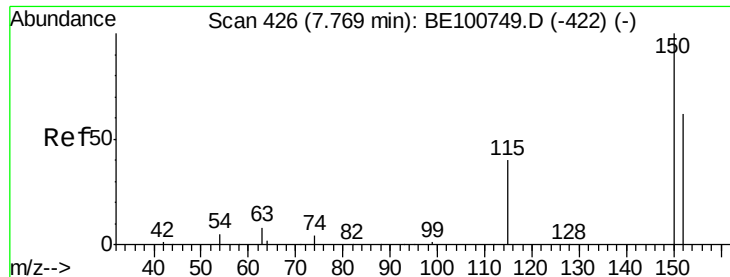
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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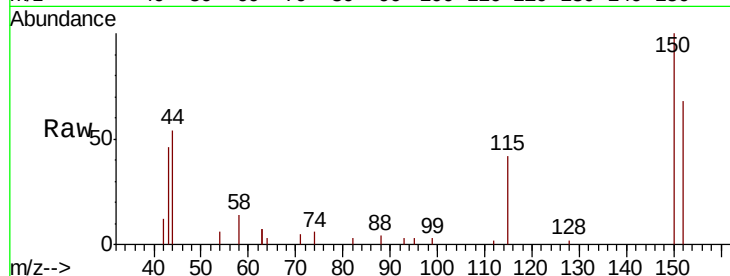


#1

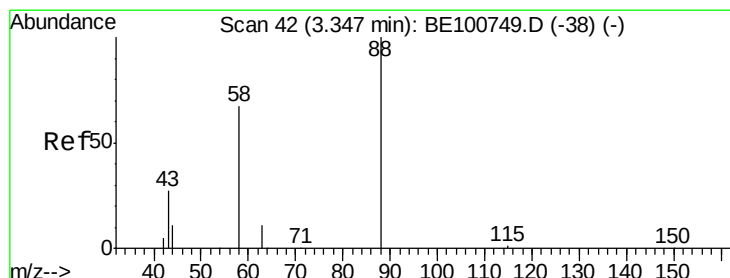
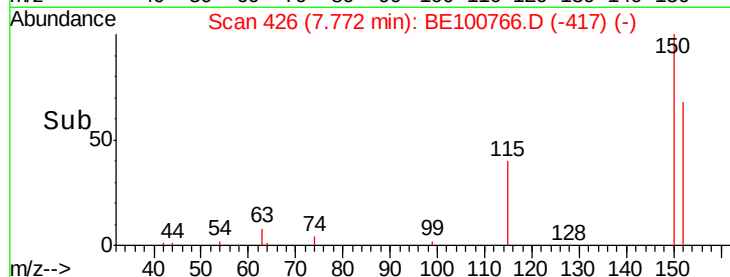
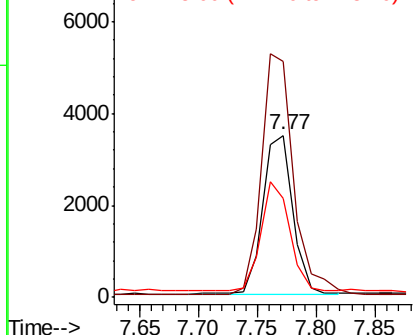
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 6152
Ion Ratio Lower Upper
152 100
150 146.2 127.1 190.7
115 61.4 53.0 79.4



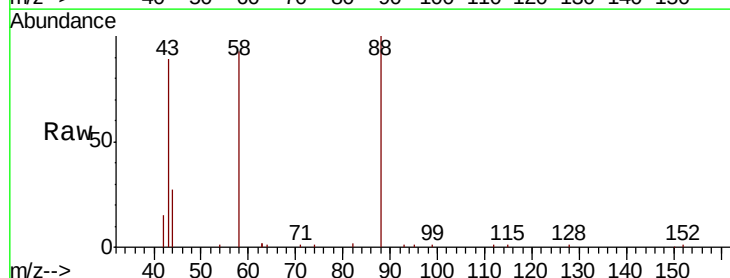
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



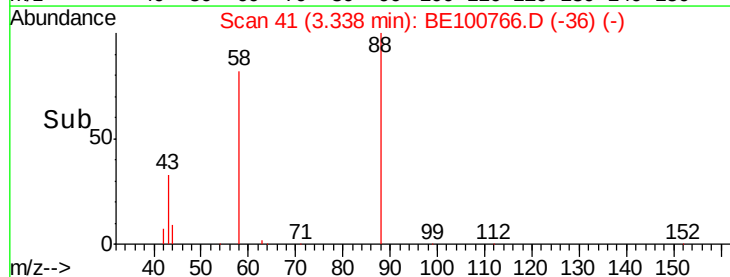
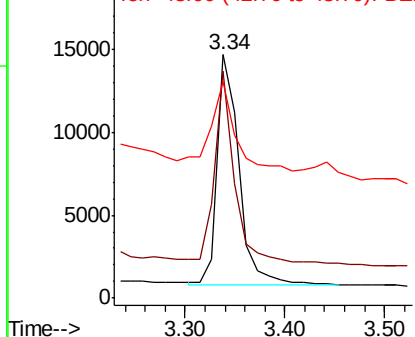
#2

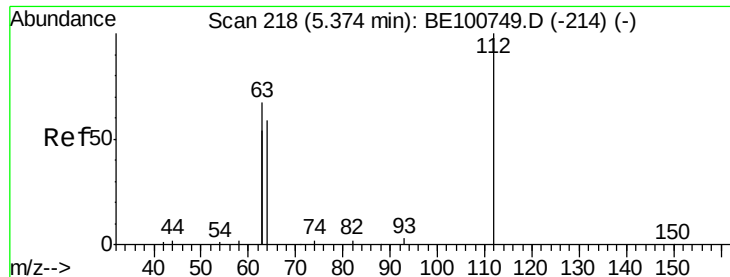
1,4-Dioxane
Concen: 1.824 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Tgt Ion: 88 Resp: 21051
Ion Ratio Lower Upper
88 100
58 75.5 60.7 91.1
43 38.9 27.4 41.2



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.154 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

Instrument :

BNA_E

ClientSampleId :

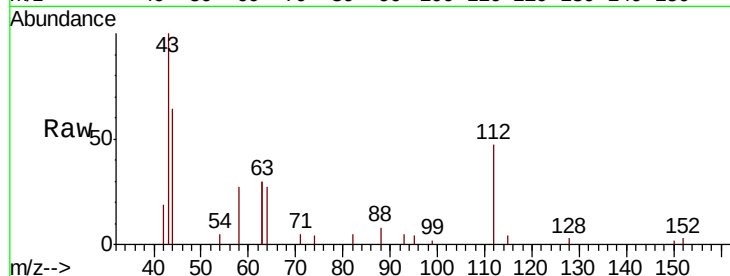
Tot Ion:112 Resp: 2562

Ion Ratio Lower Upper

112 100

64 66.5 54.3 81.5

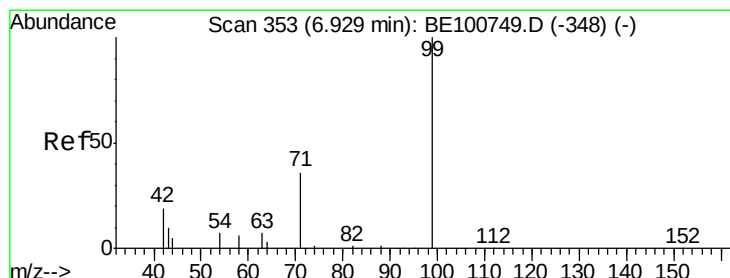
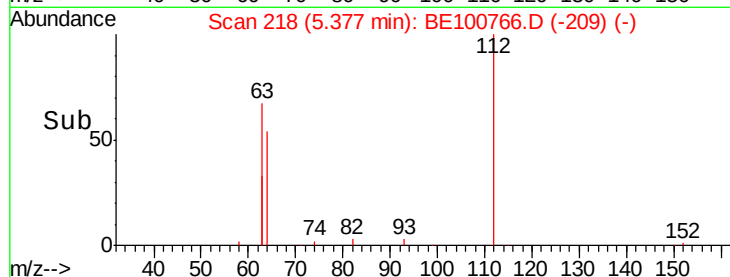
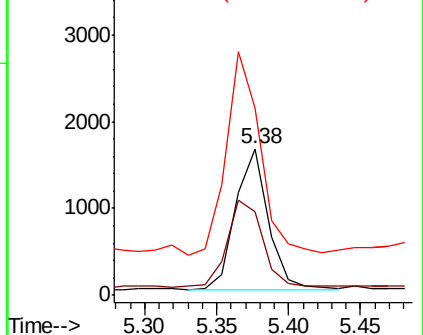
63 146.1 114.0 171.0



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.105 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

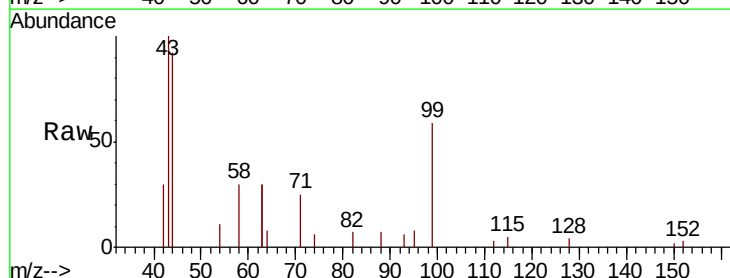
Tgt Ion: 99 Resp: 2536

Ion Ratio Lower Upper

99 100

42 52.3 17.9 26.9#

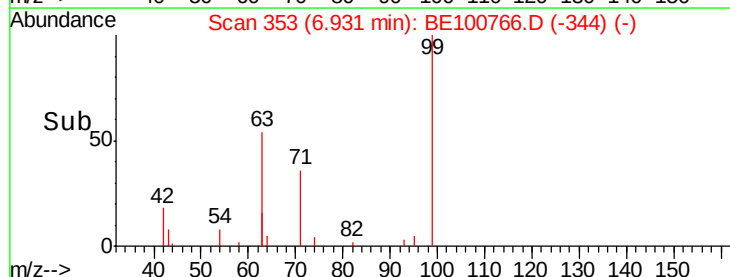
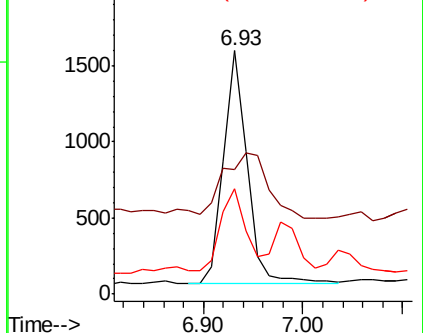
71 36.7 29.3 43.9

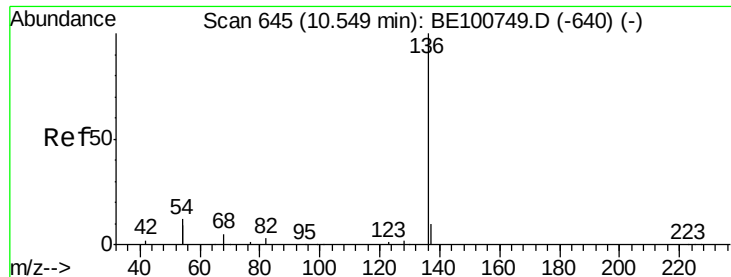


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.55 min Scan# 645

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 27550

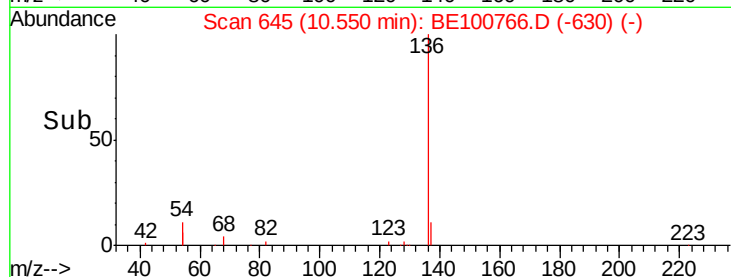
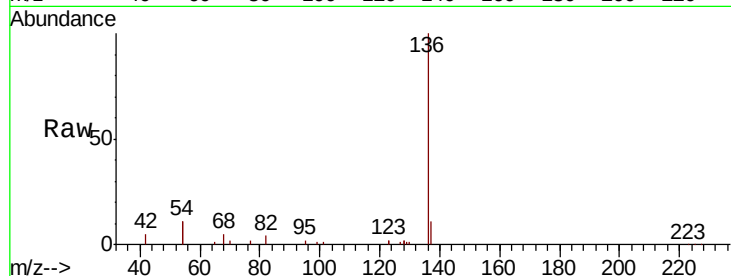
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 21.7 19.4 29.0

68 5.3 4.6 6.8

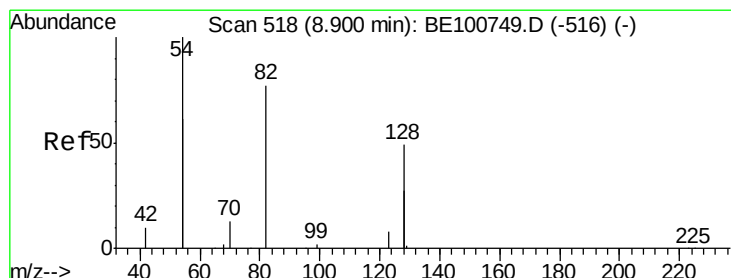
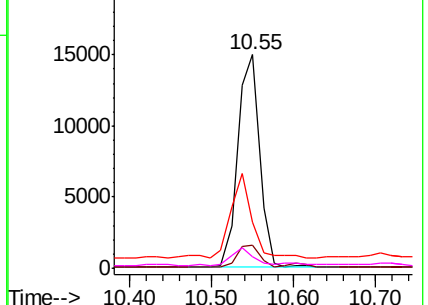


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.673 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

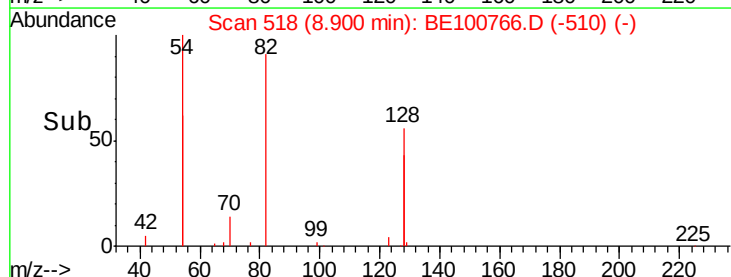
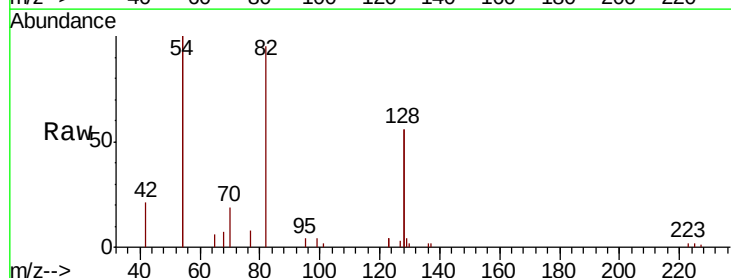
Tgt Ion: 82 Resp: 5945

Ion Ratio Lower Upper

82 100

128 117.5 90.2 135.4

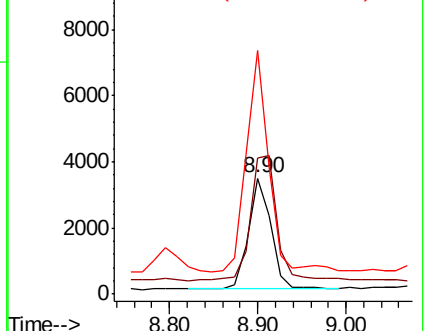
54 209.7 186.0 279.0

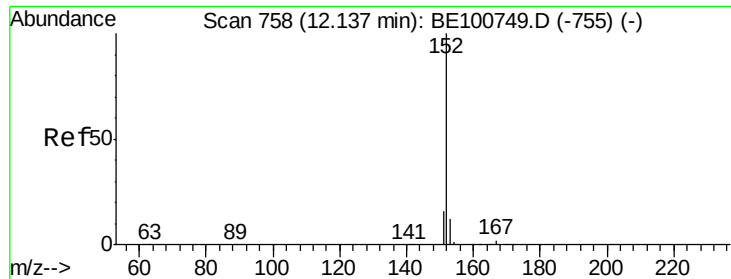


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

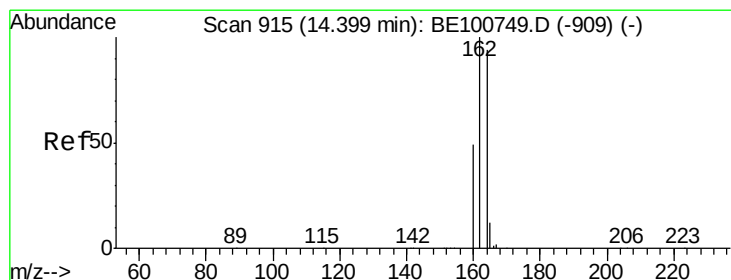
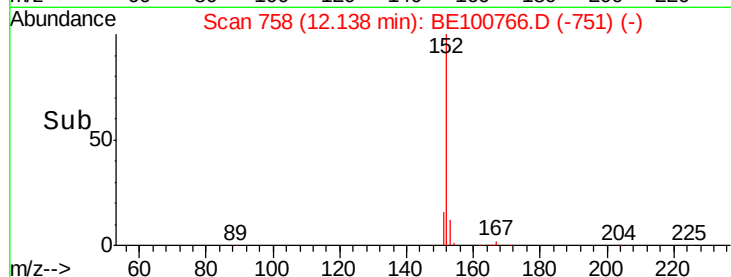
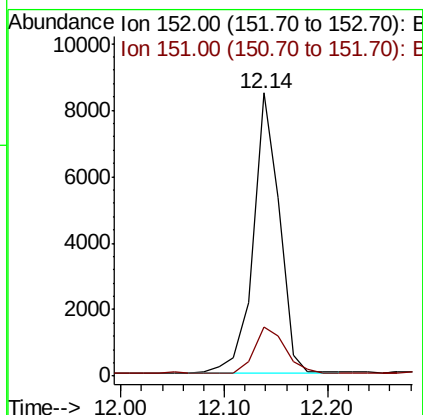
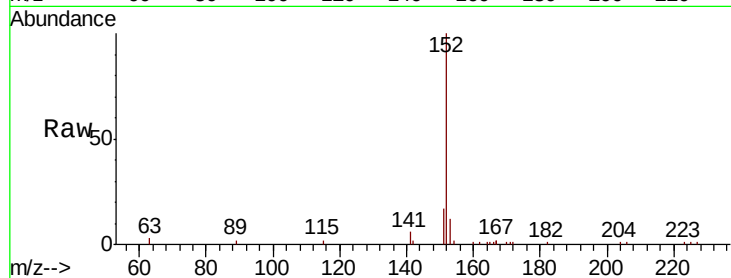




#11
 2-Methylnaphthalene-d10
 Concen: 0.365 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BE100766.D
 Acq: 22 Nov 2019 20:12

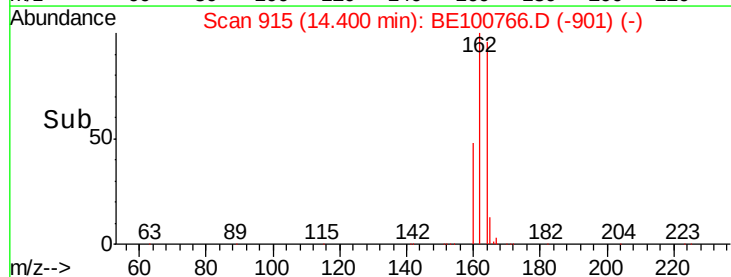
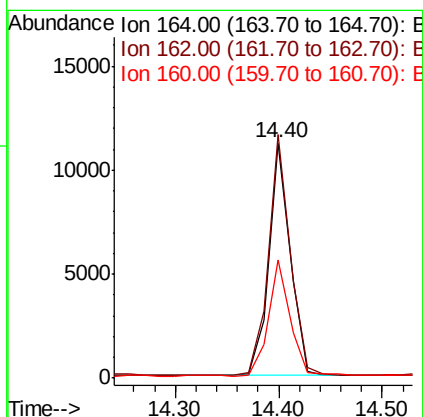
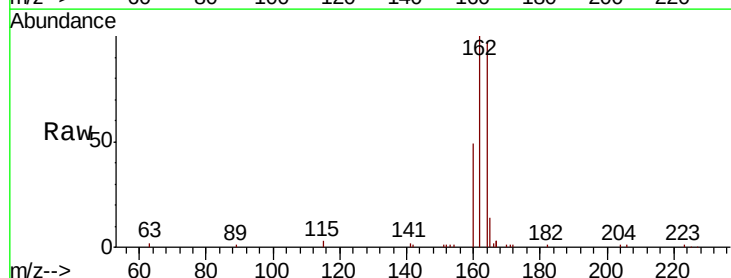
Instrument :
 BNA_E
 ClientSampleId :

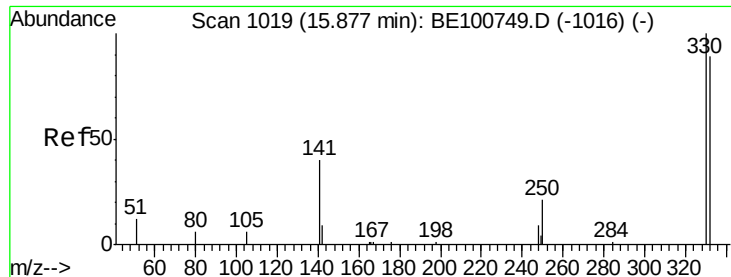
Tot Ion:152 Resp: 14749
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.8 23.8



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: BE100766.D
 Acq: 22 Nov 2019 20:12

Tgt Ion:164 Resp: 16304
 Ion Ratio Lower Upper
 164 100
 162 103.5 84.8 127.2
 160 50.3 42.3 63.5





#14

2,4,6-Tribromophenol

Concen: 0.814 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

Instrument :

BNA_E

ClientSampleId :

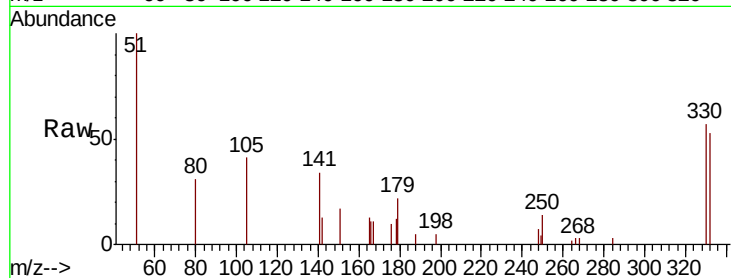
Tot Ion:330 Resp: 1871

Ion Ratio Lower Upper

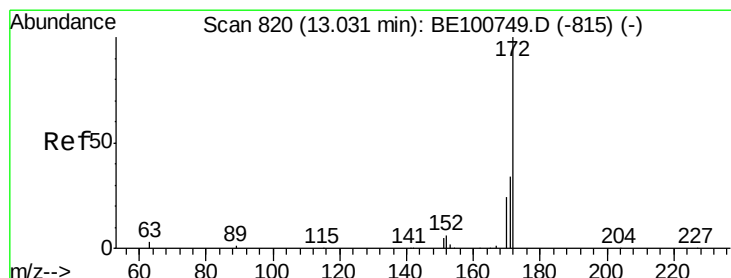
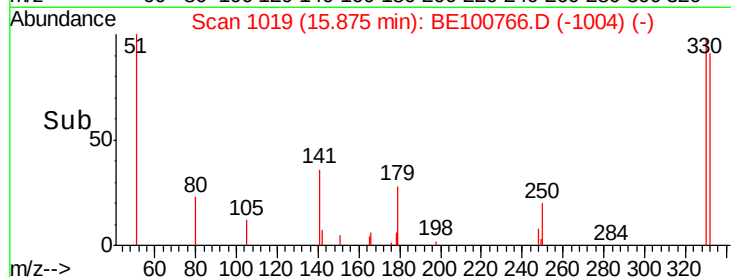
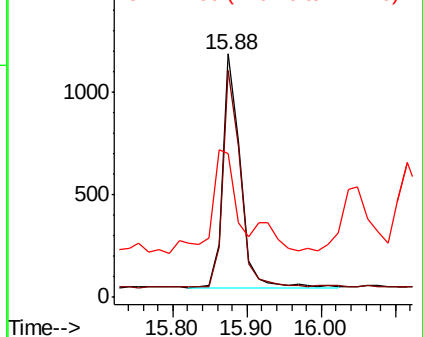
330 100

332 92.4 79.3 118.9

141 61.4 43.8 65.6



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: 0.333 ng

RT: 13.03 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

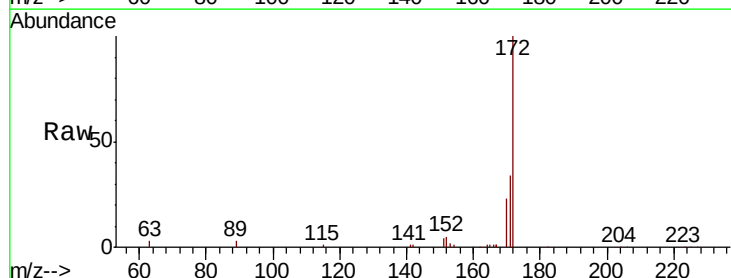
Tgt Ion:172 Resp: 21081

Ion Ratio Lower Upper

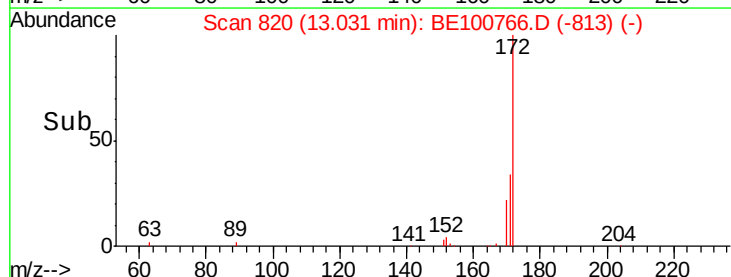
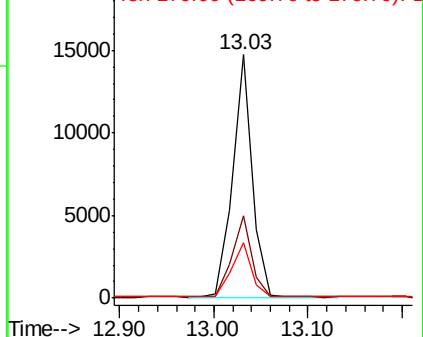
172 100

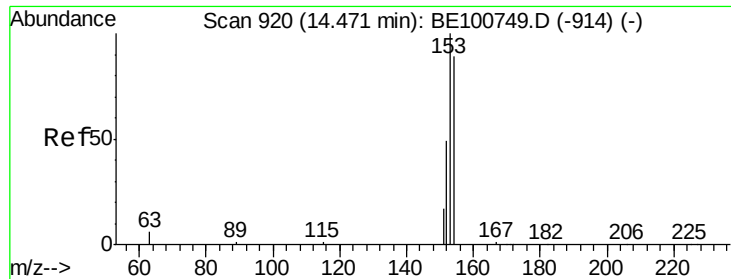
171 33.9 27.8 41.6

170 22.8 19.4 29.2



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

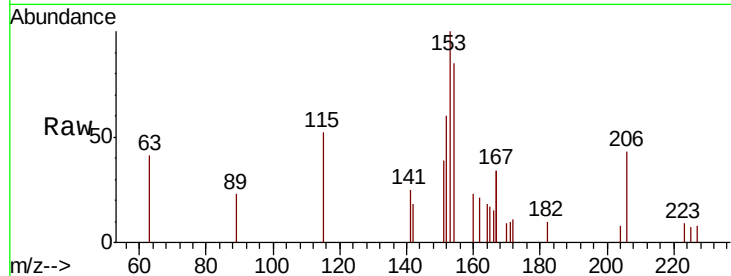




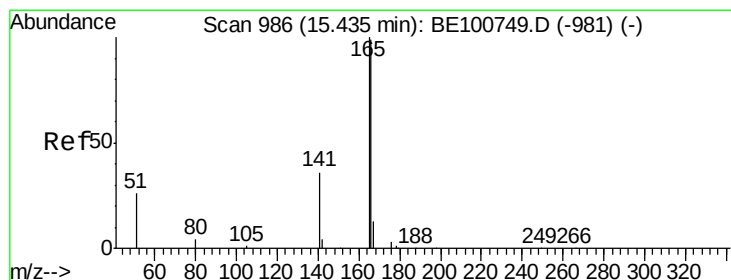
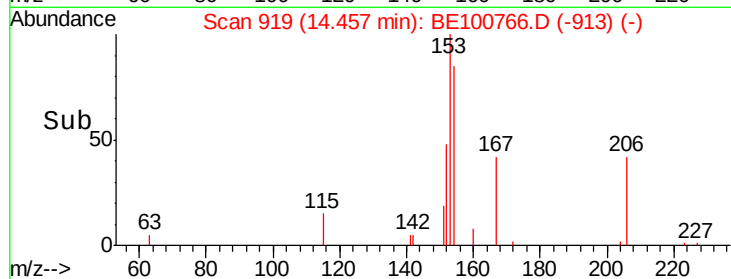
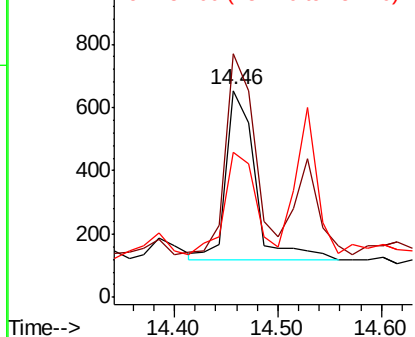
#17
Acenaphthene
Concen: 0.022 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.01 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 1042
Ion Ratio Lower Upper
154 100
153 117.2 91.6 137.4
152 65.9 47.0 70.6

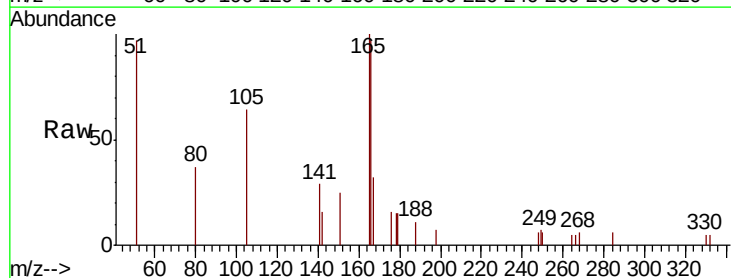


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

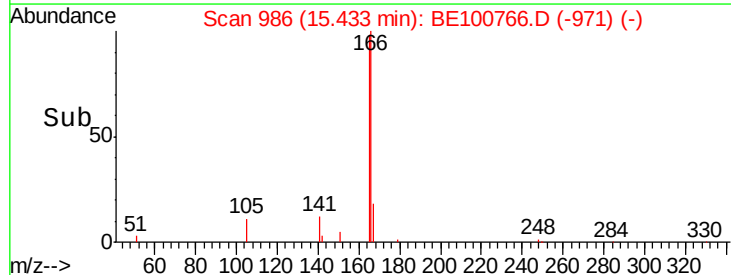
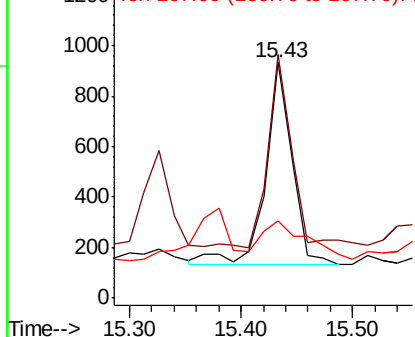


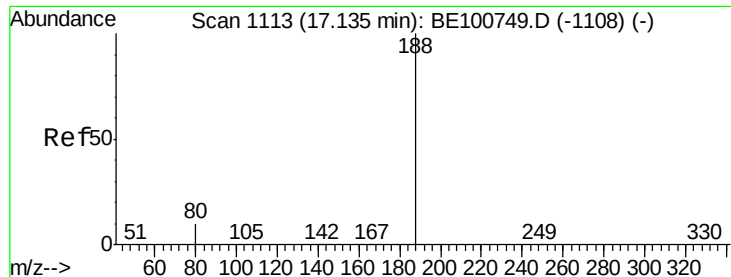
#18
Fluorene
Concen: 0.022 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Tgt Ion:166 Resp: 1317
Ion Ratio Lower Upper
166 100
165 84.7 80.2 120.4
167 32.3 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

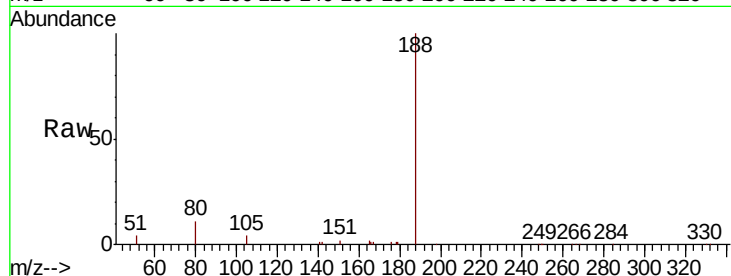




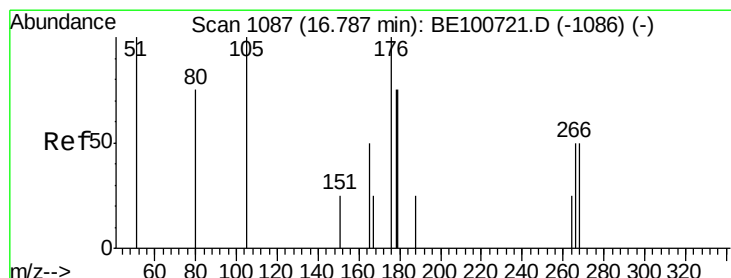
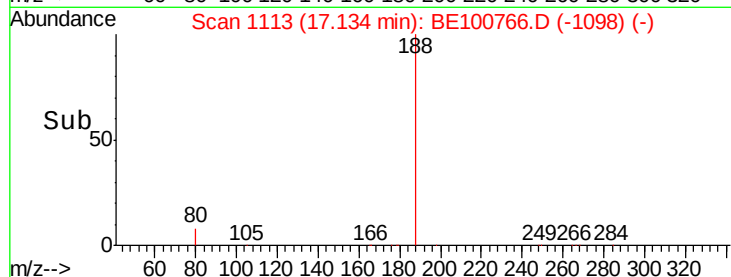
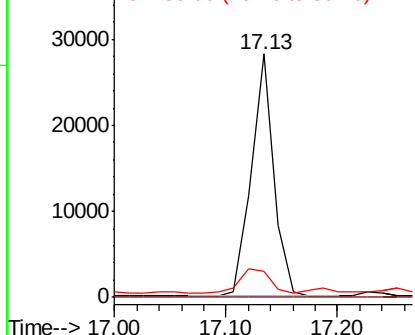
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 39300
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 8.2 12.2

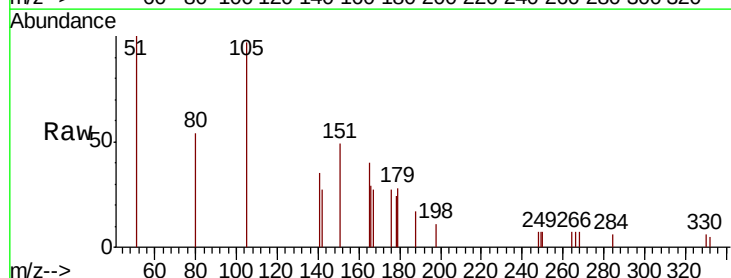


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

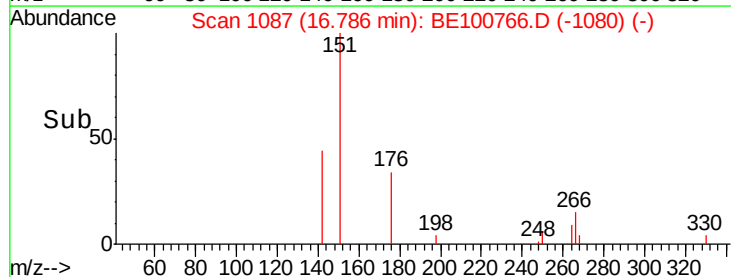
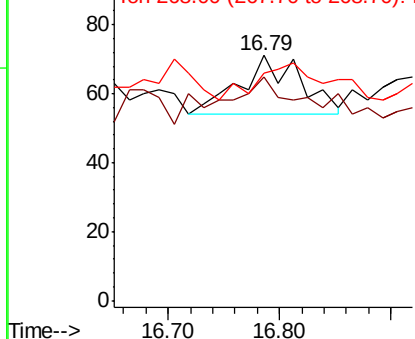


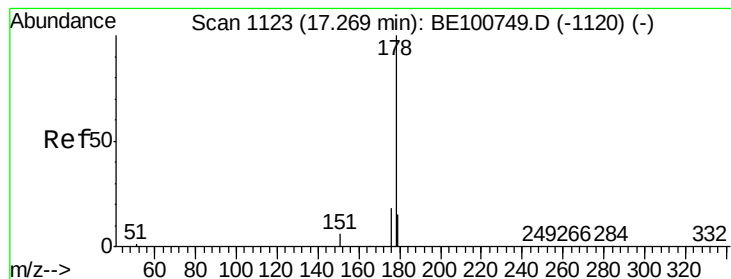
#22
Pentachlorophenol
Concen: 0.075 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Tgt Ion:266 Resp: 65
Ion Ratio Lower Upper
266 100
264 91.5 54.6 82.0#
268 93.0 52.6 78.8#



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





#24

Anthracene

Concen: 0.024 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

Instrument :

BNA_E

ClientSampleId :

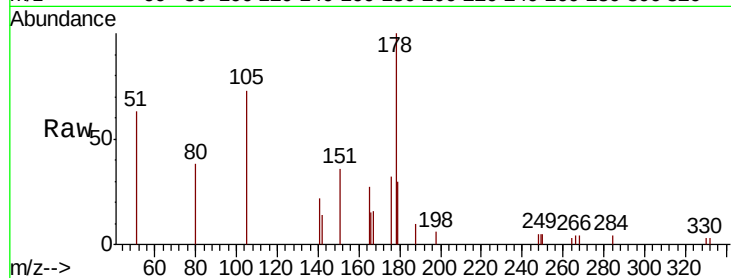
Tot Ion:178 Resp: 2424

Ion Ratio Lower Upper

178 100

176 20.3 14.9 22.3

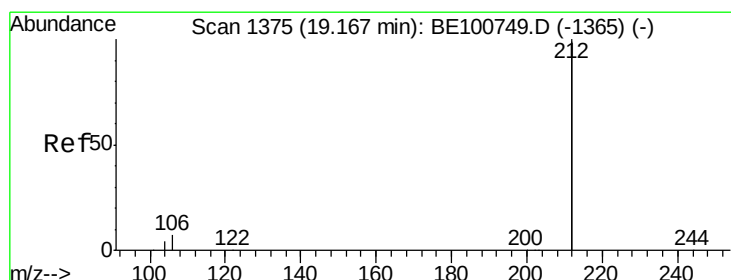
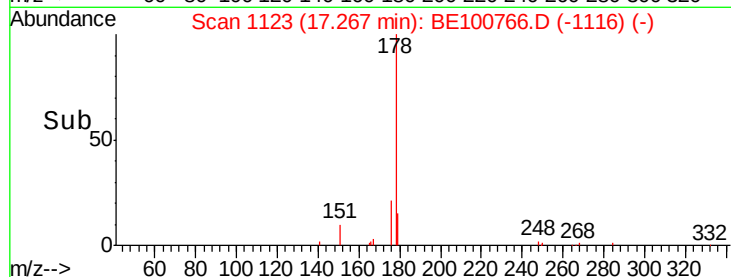
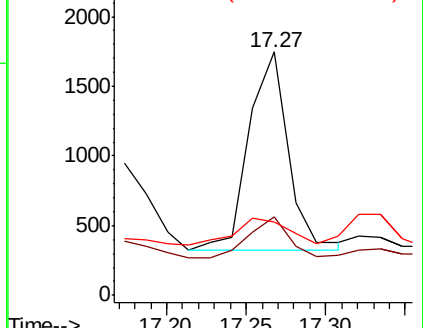
179 17.4 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.367 ng

RT: 19.17 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

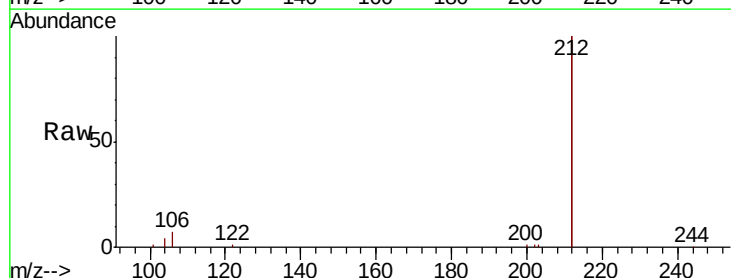
Tgt Ion:212 Resp: 176420

Ion Ratio Lower Upper

212 100

106 3.5 2.6 4.0

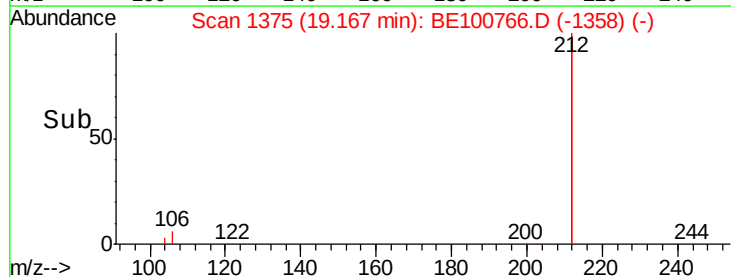
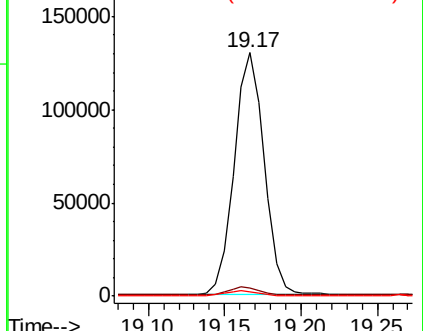
104 2.0 1.5 2.3

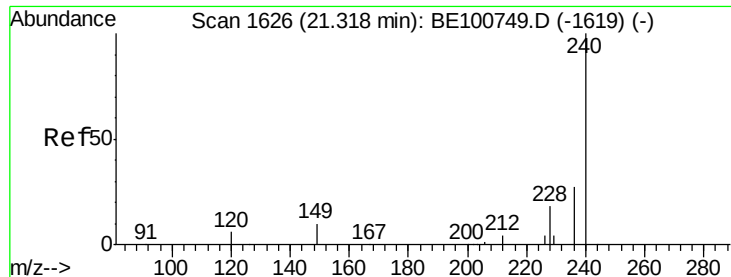


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

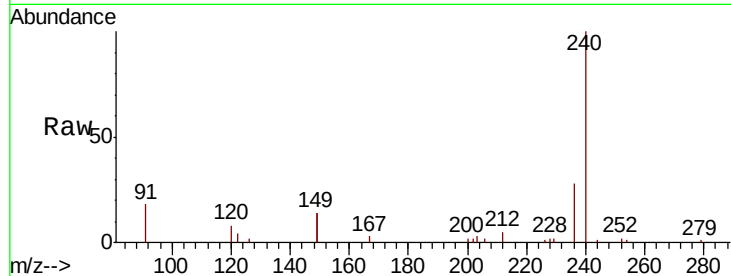




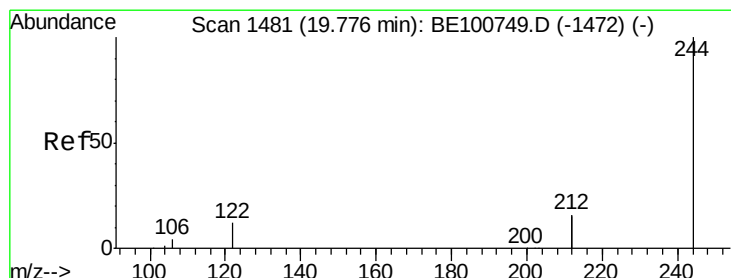
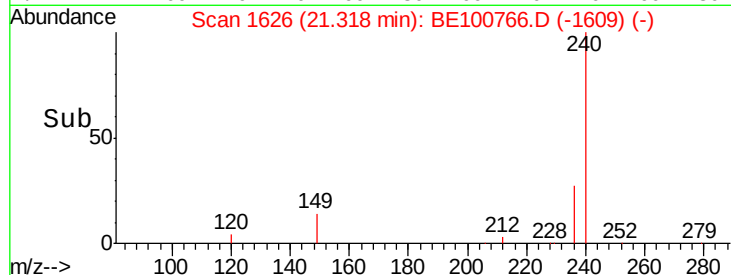
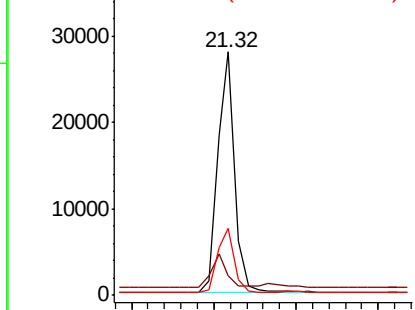
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: BE100766.D
 Acq: 22 Nov 2019 20:12

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 40002
 Ion Ratio Lower Upper
 240 100
 120 8.1 5.8 8.8
 236 27.7 21.9 32.9

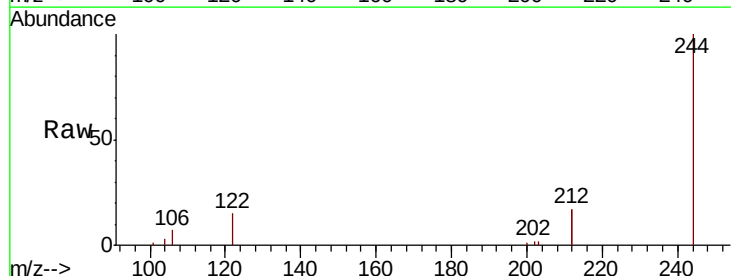


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

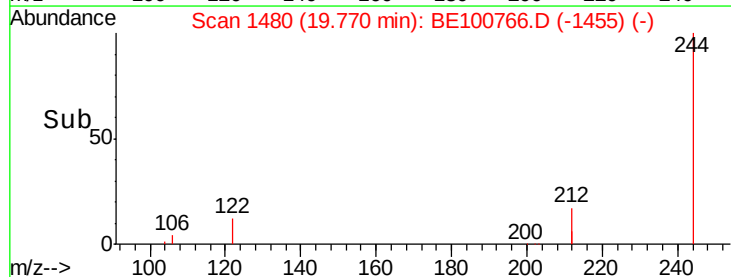
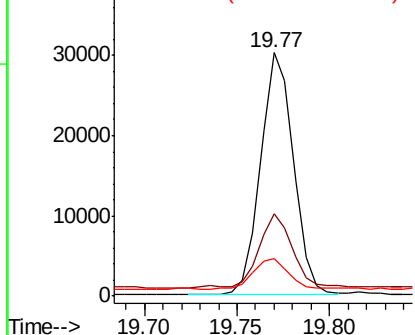


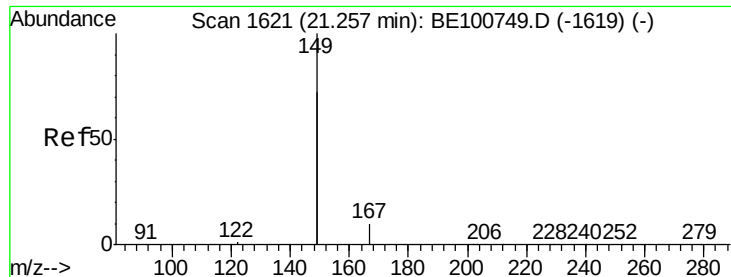
#29
 Terphenyl-d14
 Concen: 0.401 ng
 RT: 19.77 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BE100766.D
 Acq: 22 Nov 2019 20:12

Tgt Ion:244 Resp: 36907
 Ion Ratio Lower Upper
 244 100
 212 34.0 25.2 37.8
 122 15.3 9.8 14.6#



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: 0.059 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

Instrument :

BNA_E

ClientSampleId :

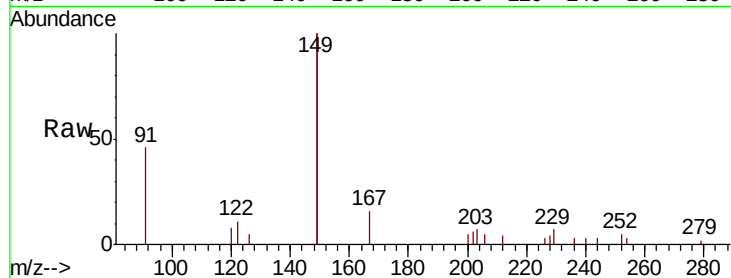
Tot Ion:149 Resp: 19459

Ion Ratio Lower Upper

149 100

167 7.6 5.5 8.3

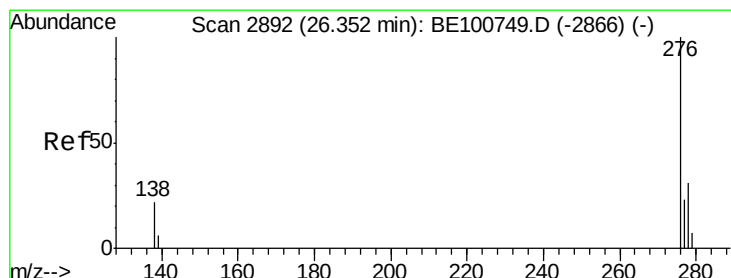
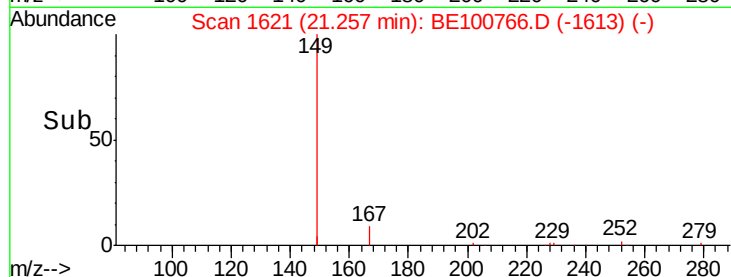
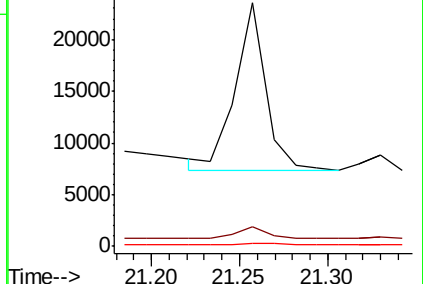
279 1.1 0.7 1.1#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.039 ng

RT: 26.35 min Scan# 2892

Delta R.T. 0.00 min

Lab File: BE100766.D

Acq: 22 Nov 2019 20:12

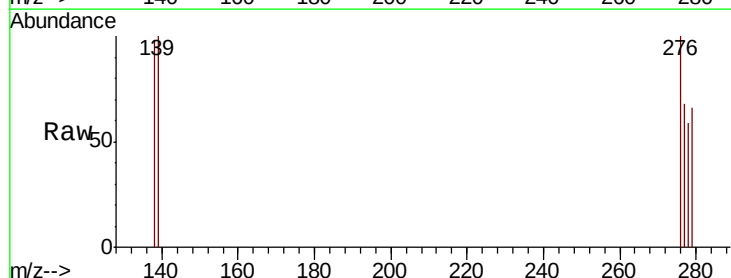
Tgt Ion:276 Resp: 296

Ion Ratio Lower Upper

276 100

138 16.6 19.8 29.6#

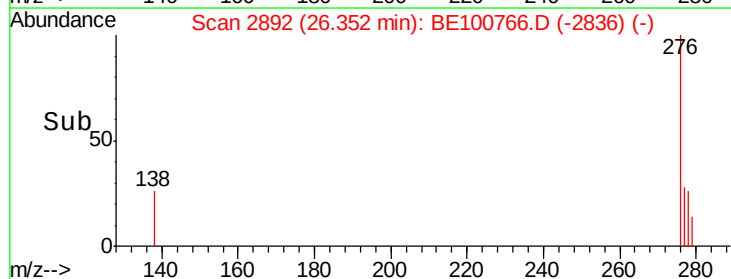
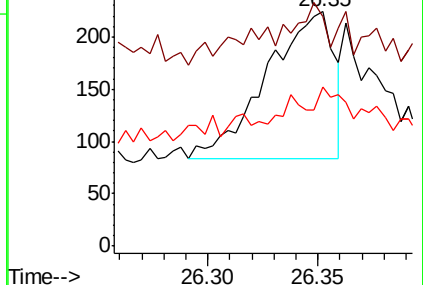
277 7.4 19.7 29.5#

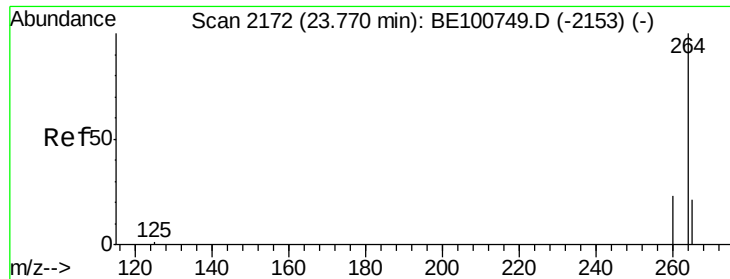


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

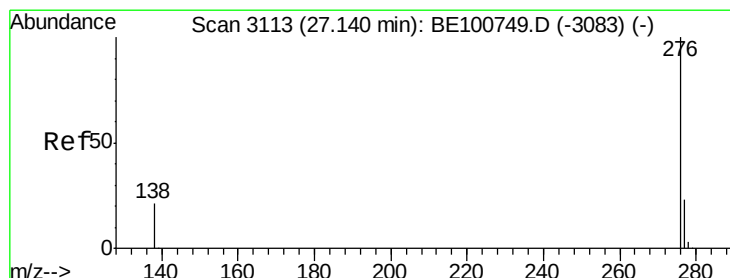
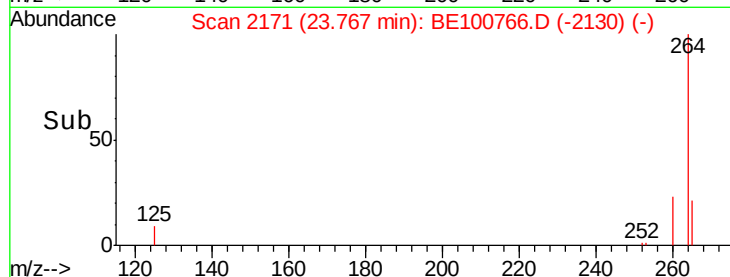
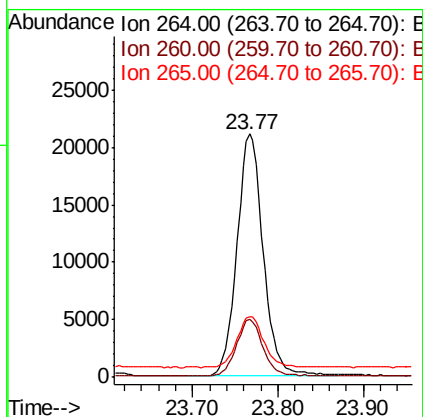
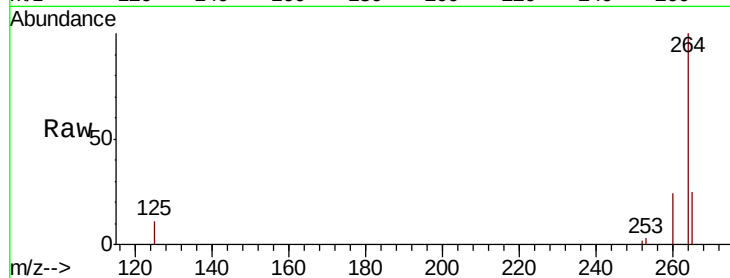




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.77 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Instrument :
BNA_E
ClientSampled :

Tot Ion:264 Resp: 44833
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 24.9 22.4 33.6



#39
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 27.13 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BE100766.D
Acq: 22 Nov 2019 20:12

Tgt Ion:276 Resp: 400
Ion Ratio Lower Upper
276 100
277 59.7 18.9 28.3#
138 88.1 17.8 26.8#

