

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110689.D
 Acq On : 12 Nov 2018 21:59
 Operator : JU/SJ
 Sample : J5901-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Quant Time: Nov 13 06:29:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	92431	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	350623	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	156899	20.00	ng	0.01
64) Phenanthrene-d10	11.50	188	271392	20.00	ng	0.01
76) Chrysene-d12	14.13	240	199235	20.00	ng	0.00
87) Perylene-d12	15.65	264	177361	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	642710	112.95	ng	0.00
7) Phenol-d6	6.57	99	830214	114.09	ng	0.00
23) Nitrobenzene-d5	7.52	82	527639	86.66	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	129196	81.72	ng	0.02
45) 2-Fluorobiphenyl	9.31	172	800614	72.88	ng	0.00
79) Terphenyl-d14	13.07	244	732580	68.86	ng	0.00

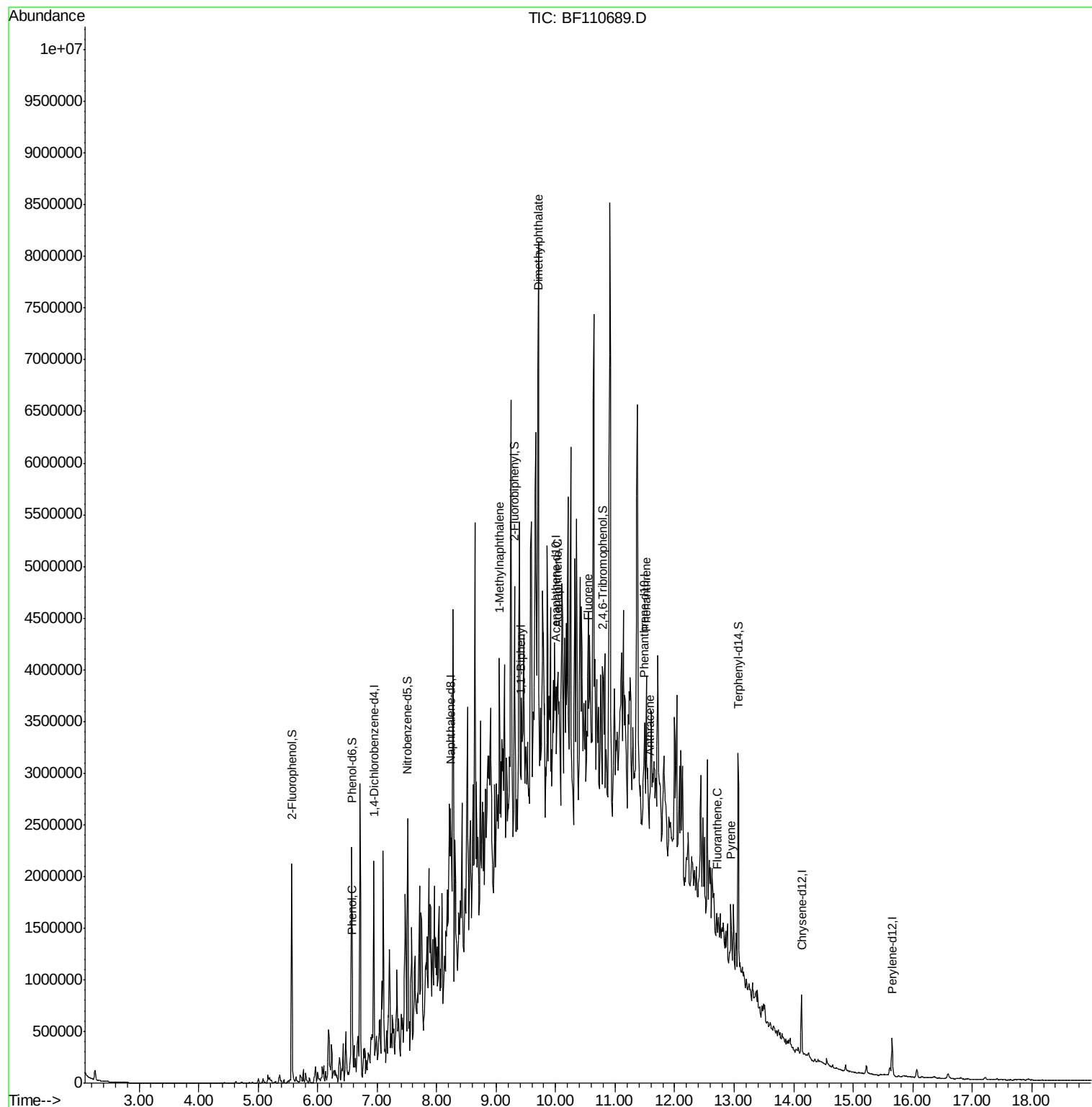
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.59	94	50272	5.958	ng	# 63
38) 1-Methylnaphthalene	9.05	142	306387	29.525	ng	# 99
46) 1,1'-Biphenyl	9.42	154	32933	2.250	ng	# 93
50) Dimethylphthalate	9.70	163	89458	7.641	ng	# 74
52) Acenaphthene	10.03	154	85067	8.864	ng	# 80
58) Fluorene	10.56	166	150686	13.972	ng	# 83
71) Phenanthrene	11.53	178	535613	36.838	ng	# 95
72) Anthracene	11.57	178	51761	3.529	ng	# 65
75) Fluoranthene	12.71	202	34590	2.373	ng	# 74
78) Pyrene	12.94	202	116885	7.619	ng	# 74

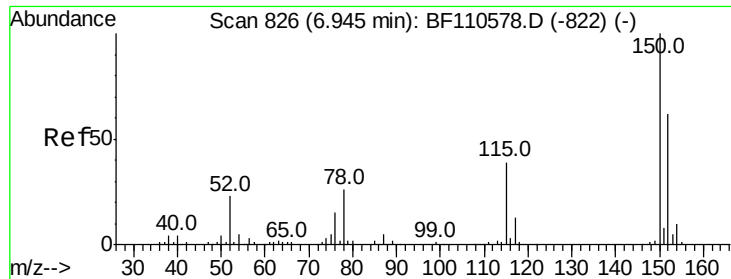
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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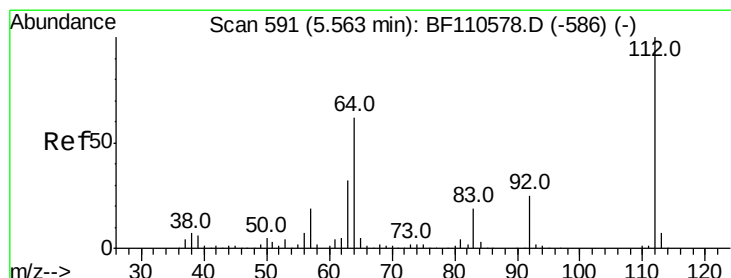
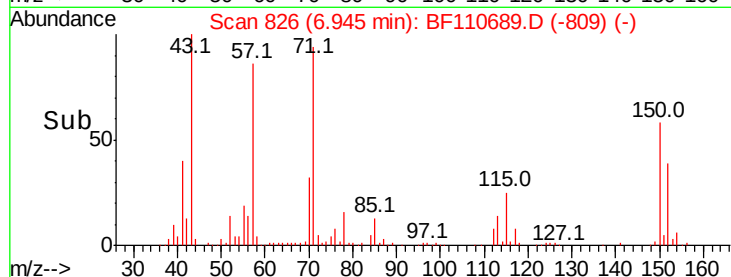
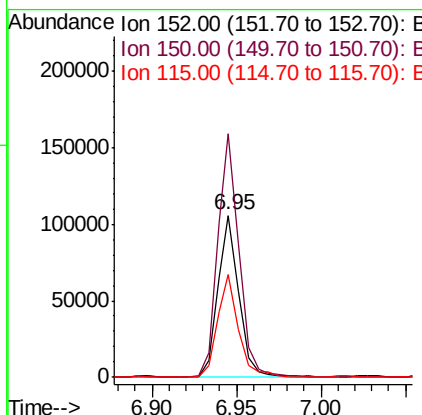
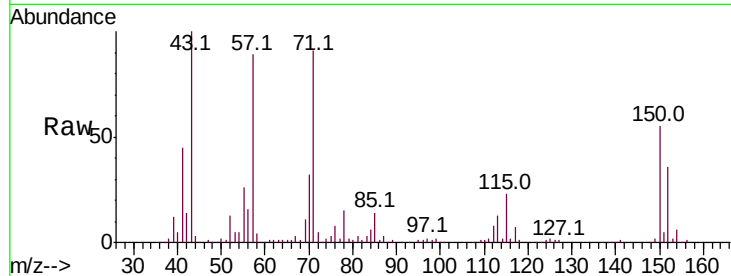


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110689.D
Acq: 12 Nov 2018 21:59

Instrument :
BNA_F
ClientSampleId :
SS-2

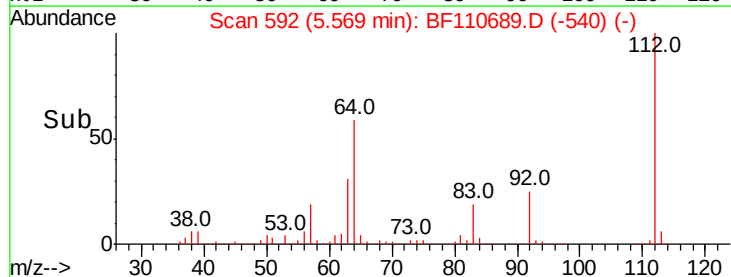
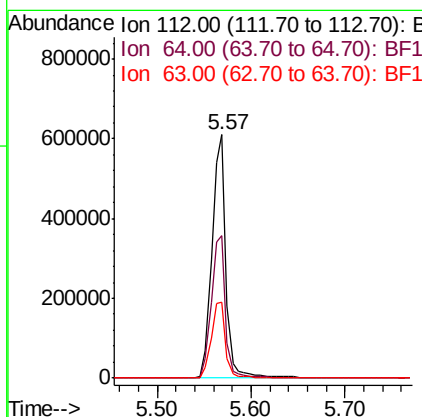
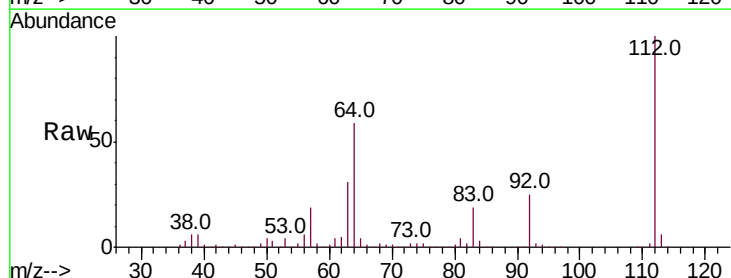
Tot Ion:152 Resp: 92431
Ion Ratio Lower Upper
152 100
150 150.4 122.7 184.1
115 63.3 49.1 73.7

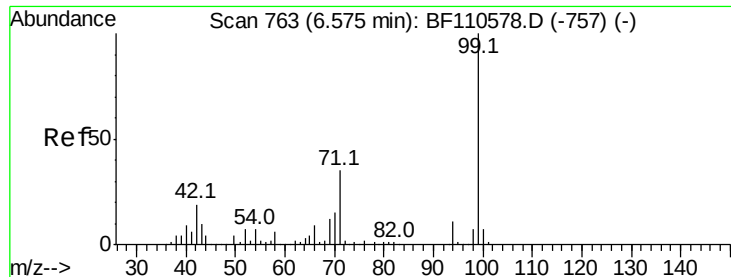


#5

2-Fluorophenol
Concen: 112.945 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110689.D
Acq: 12 Nov 2018 21:59

Tgt Ion:112 Resp: 642710
Ion Ratio Lower Upper
112 100
64 58.8 44.1 66.1
63 31.4 23.7 35.5





#7

Phenol-d6

Concen: 114.092 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampled :

SS-2

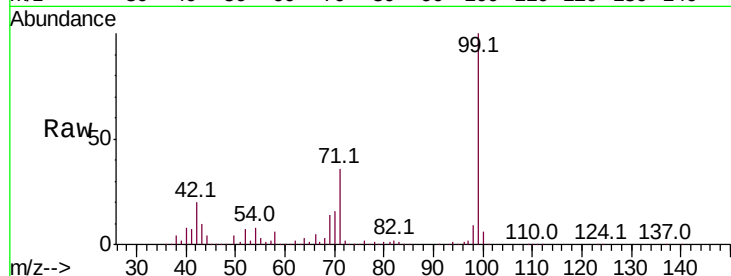
Tot Ion: 99 Resp: 830214

Ion Ratio Lower Upper

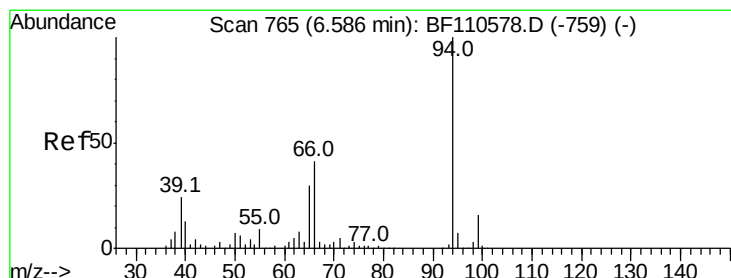
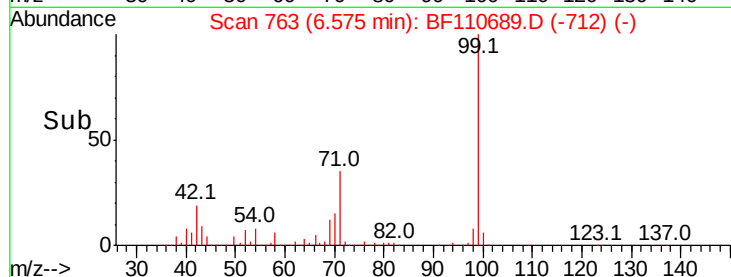
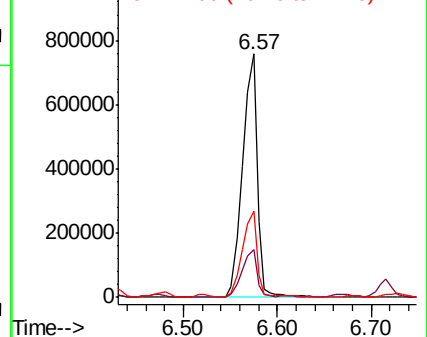
99 100

42 19.5 15.8 23.6

71 35.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.958 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

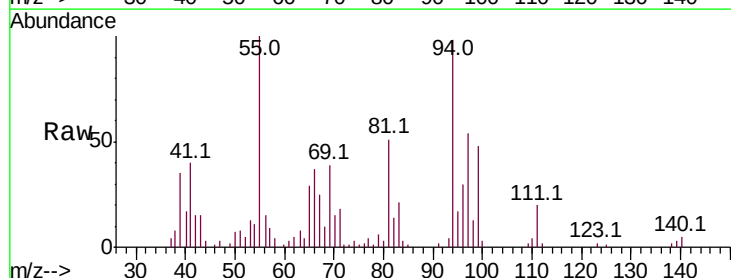
Tgt Ion: 94 Resp: 50272

Ion Ratio Lower Upper

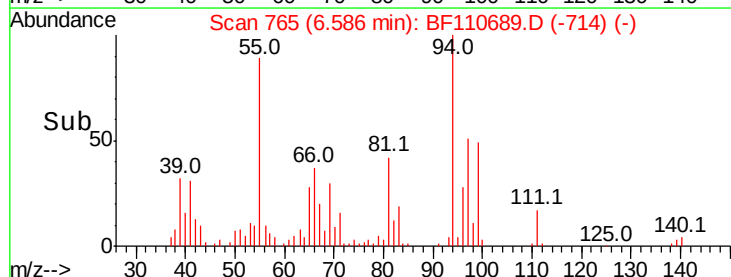
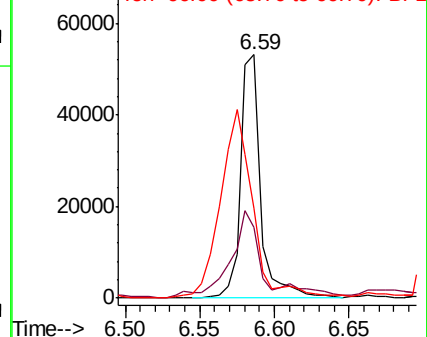
94 100

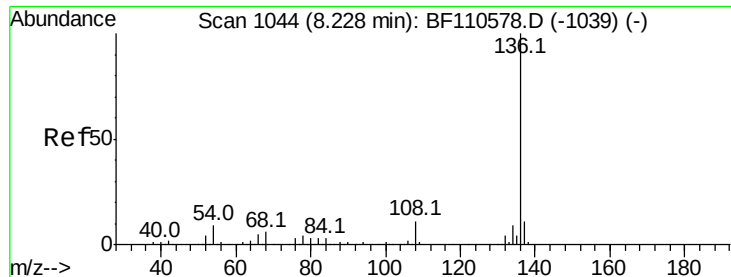
65 29.1 25.3 65.3

66 37.2 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampleID :

SS-2

Tot Ion:136 Resp: 350623

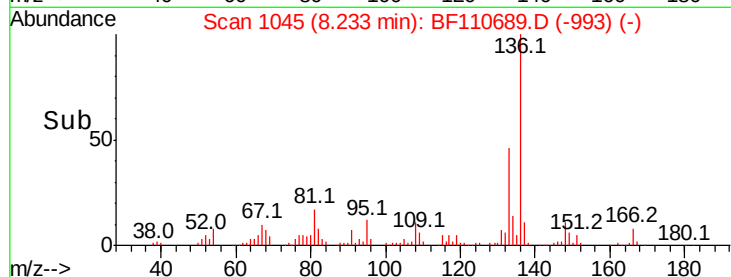
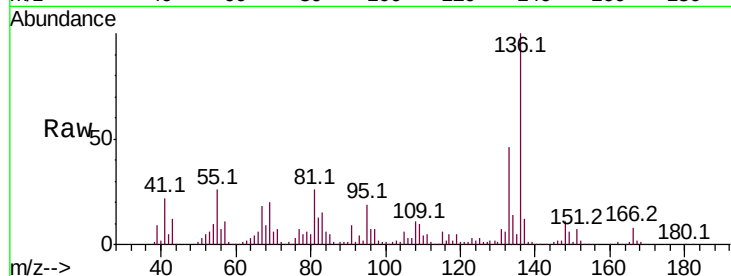
Ion Ratio Lower Upper

136 100

137 12.4 8.8 13.2

54 10.4 5.4 8.2#

68 9.2 4.2 6.2#

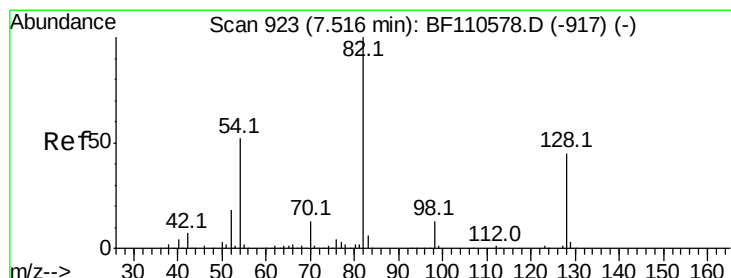
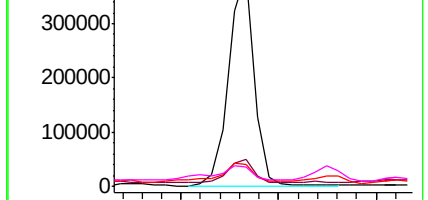


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 86.664 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

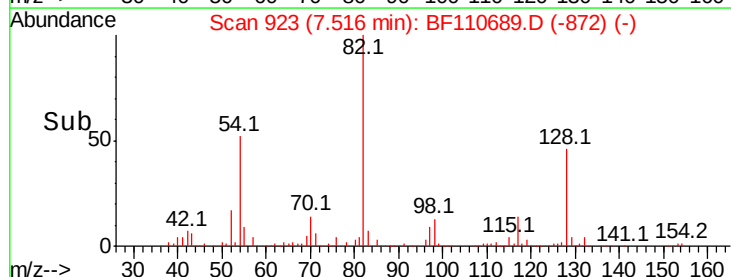
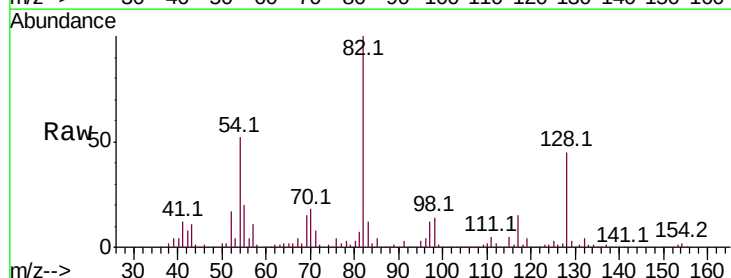
Tgt Ion: 82 Resp: 527639

Ion Ratio Lower Upper

82 100

128 45.2 34.2 51.2

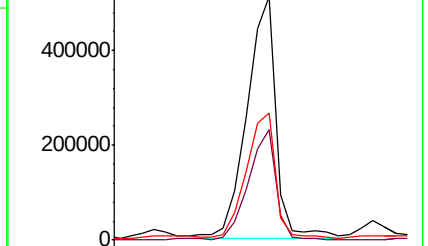
54 52.0 38.6 58.0

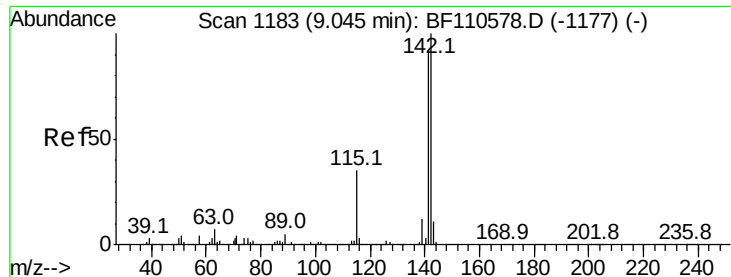


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

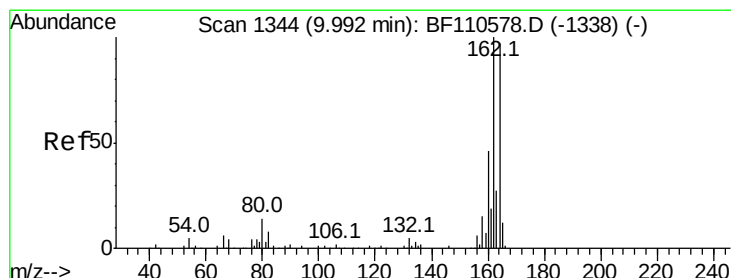
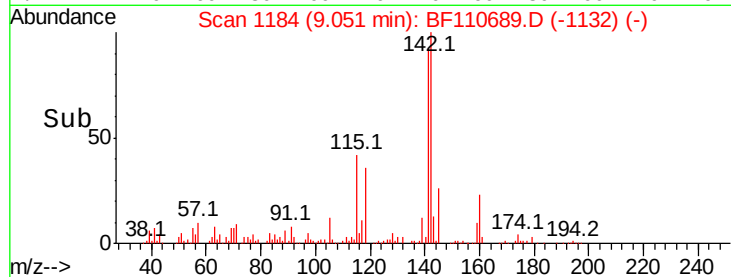
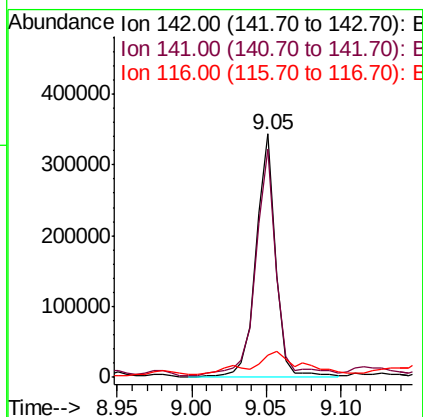
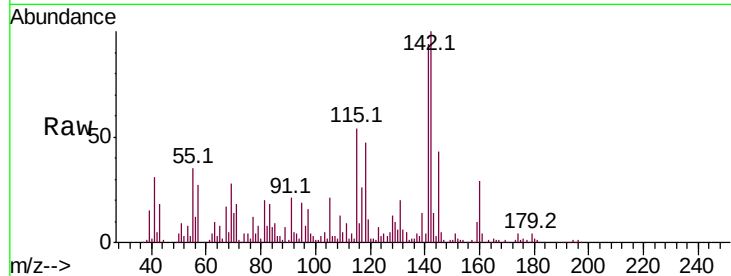




#38
1-Methylnaphthalene
Concen: 29.525 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF110689.D
Acq: 12 Nov 2018 21:59

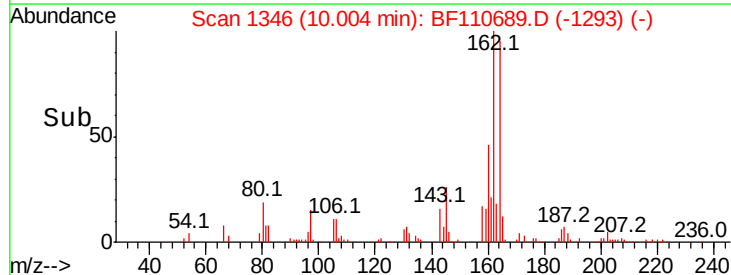
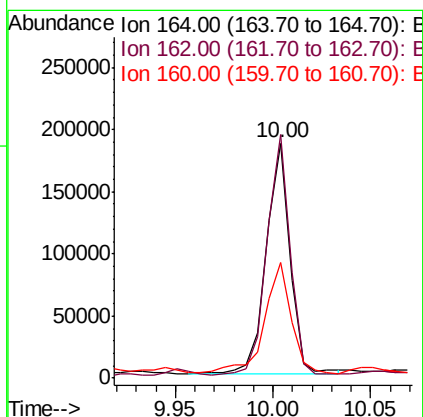
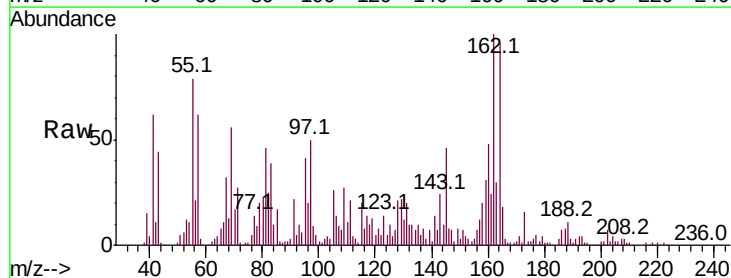
Instrument :
BNA_F
ClientSampleId :
SS-2

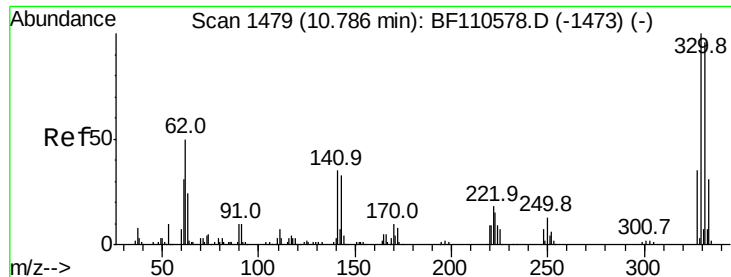
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.2	111.4
116	9.3	2.6	4.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF110689.D
Acq: 12 Nov 2018 21:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.6
160	49.3	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 81.720 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.02 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampleId :

SS-2

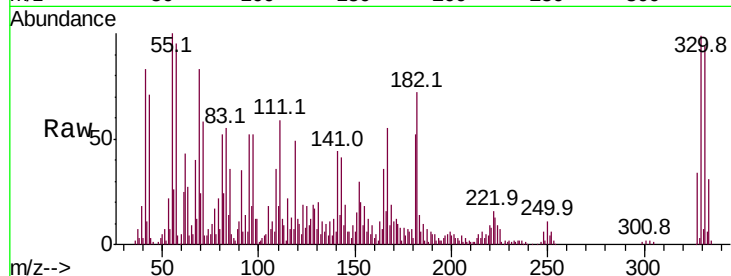
Tot Ion:330 Resp: 129196

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

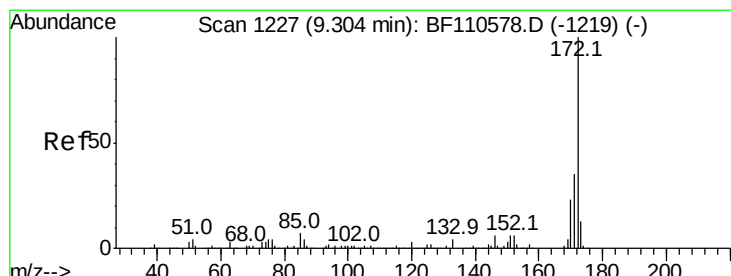
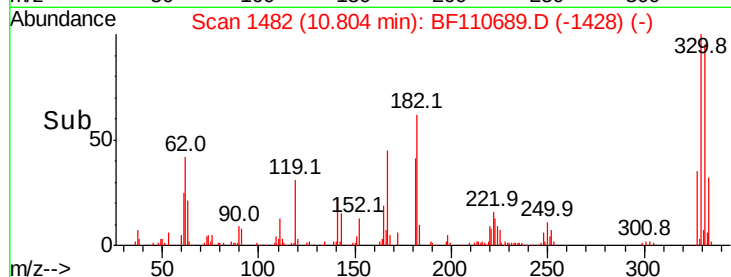
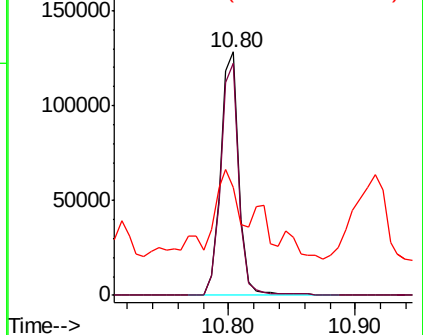
141 43.7 27.0 40.4#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 72.876 ng

RT: 9.31 min Scan# 1228

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

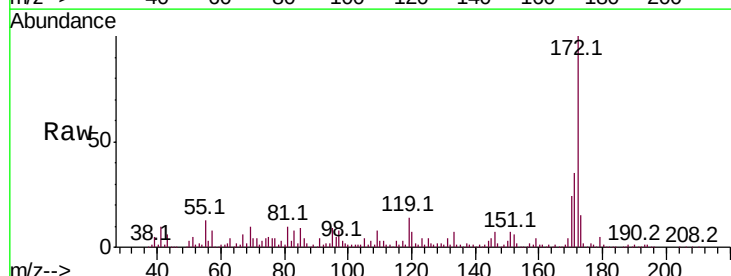
Tgt Ion:172 Resp: 800614

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

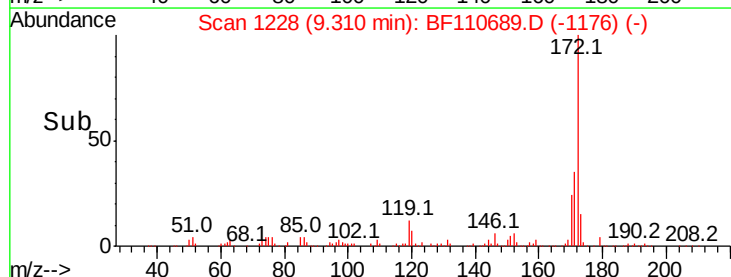
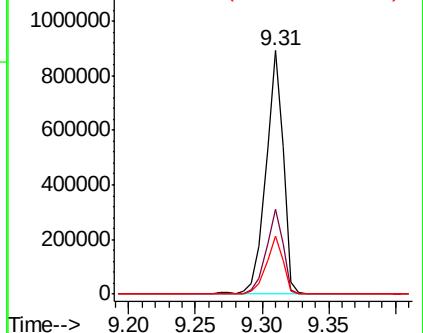
170 23.7 19.7 29.5

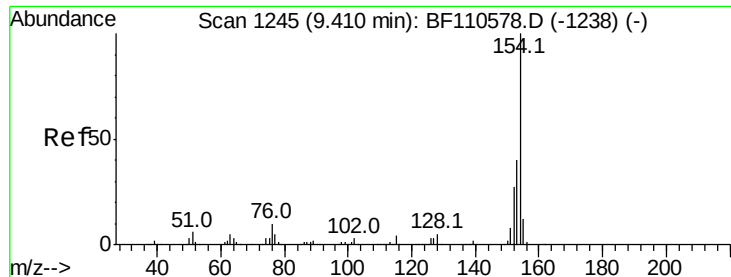


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 2.250 ng

RT: 9.42 min Scan# 1246

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampled :

SS-2

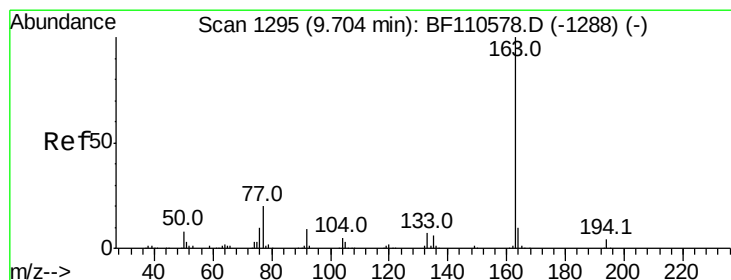
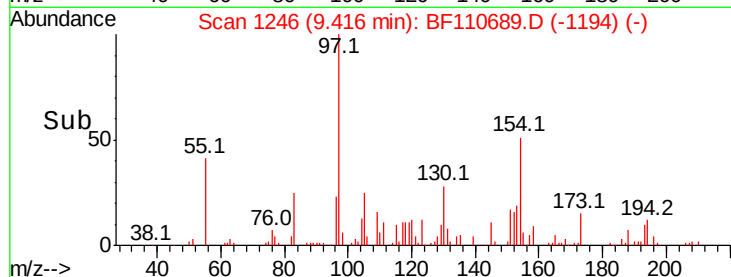
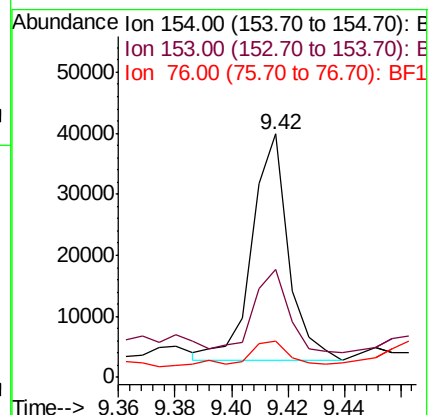
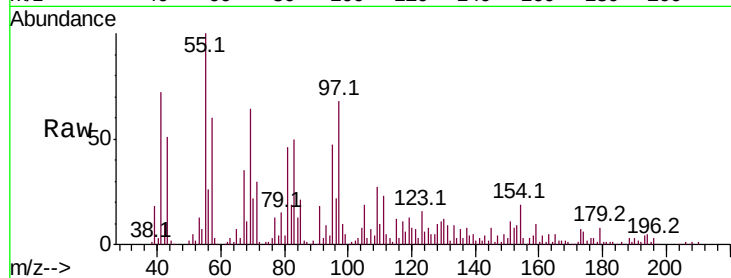
Tot Ion:154 Resp: 32933

Ion Ratio Lower Upper

154 100

153 44.3 20.4 60.4

76 14.8 0.0 31.9



#50

Dimethylphthalate

Concen: 7.641 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

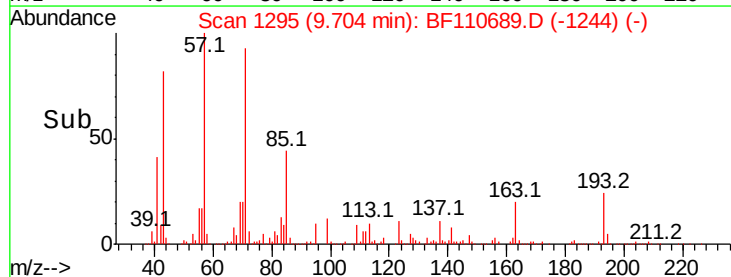
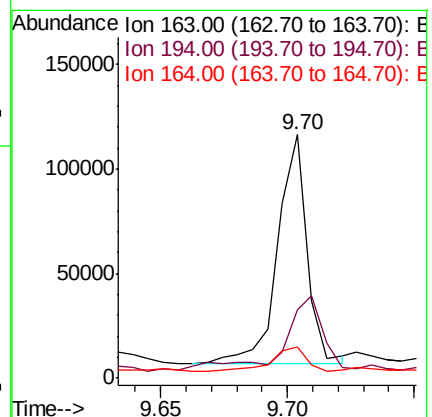
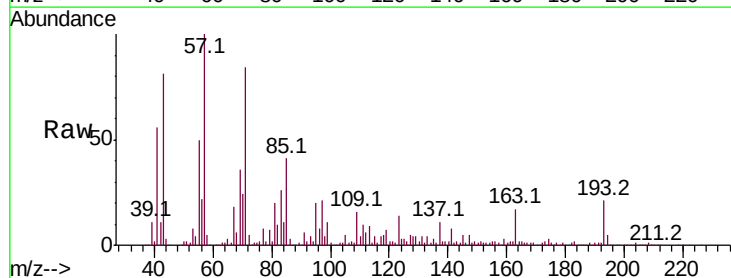
Tgt Ion:163 Resp: 89458

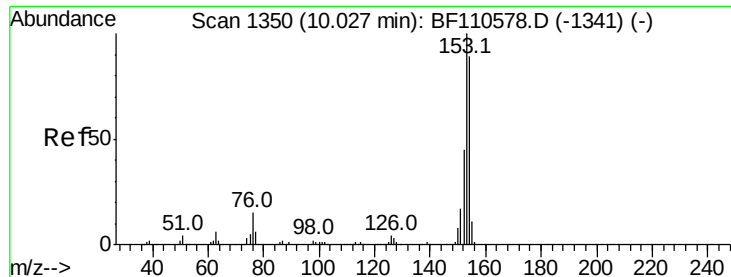
Ion Ratio Lower Upper

163 100

194 28.1 3.2 4.8#

164 12.7 8.1 12.1#





#52

Acenaphthene

Concen: 8.864 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampleId :

SS-2

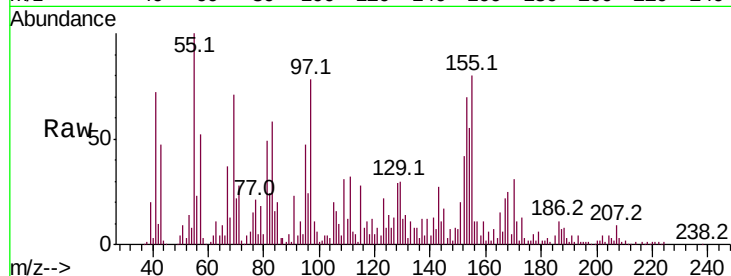
Tot Ion:154 Resp: 85067

Ion Ratio Lower Upper

154 100

153 128.1 90.1 135.1

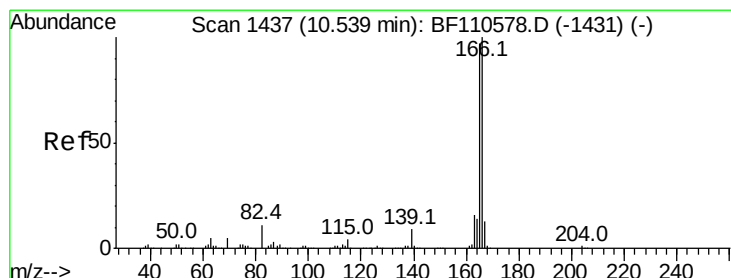
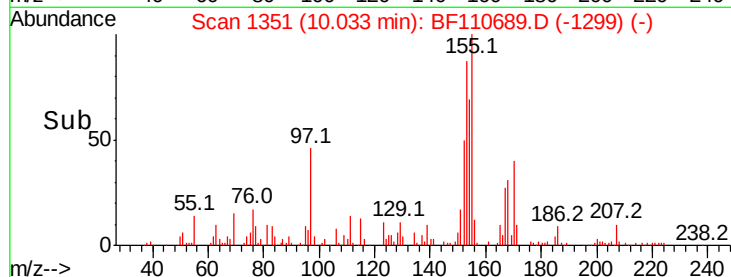
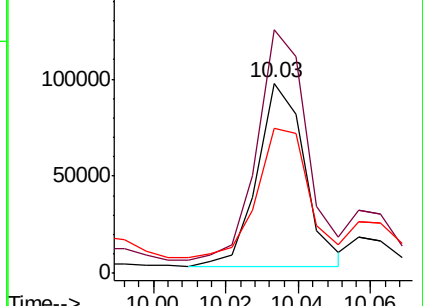
152 76.2 43.4 65.2#



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



#58

Fluorene

Concen: 13.972 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

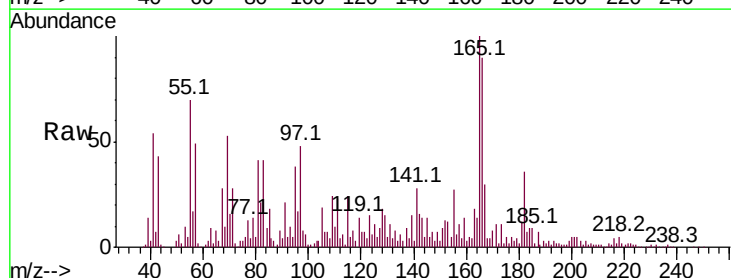
Tgt Ion:166 Resp: 150686

Ion Ratio Lower Upper

166 100

165 111.0 78.6 117.8

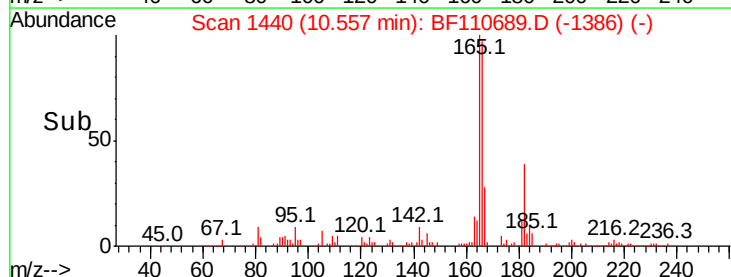
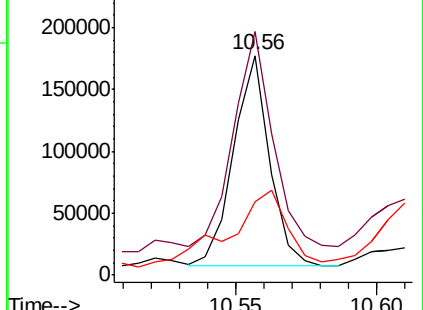
167 33.2 10.8 16.2#

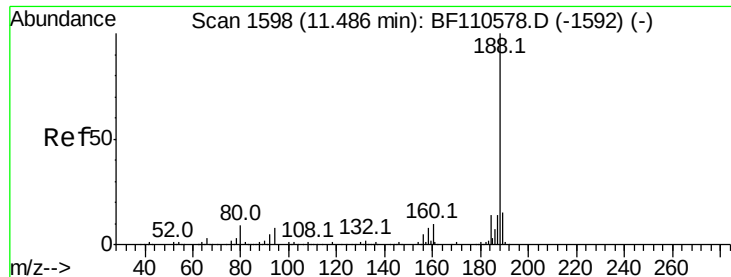


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampleId :

SS-2

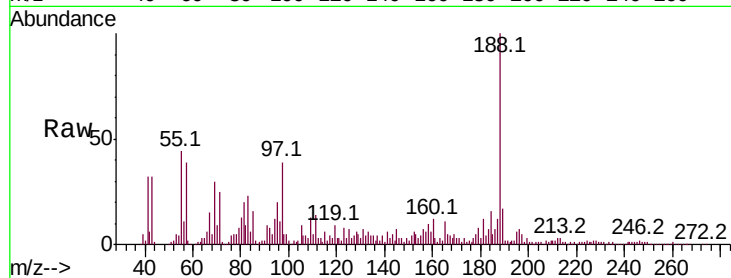
Tot Ion:188 Resp: 271392

Ion Ratio Lower Upper

188 100

94 11.9 7.2 10.8#

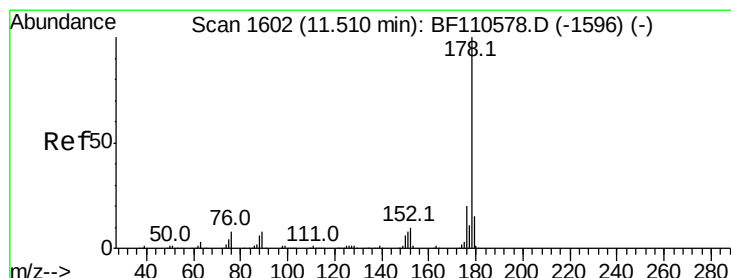
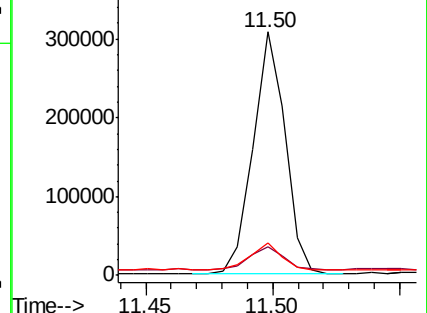
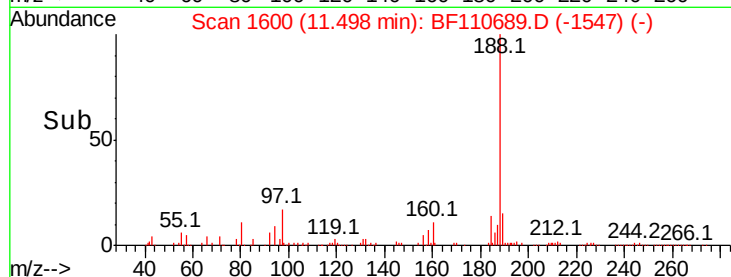
80 13.3 7.9 11.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 36.838 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.02 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

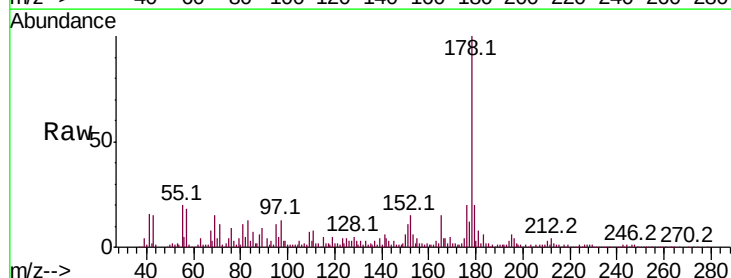
Tgt Ion:178 Resp: 535613

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

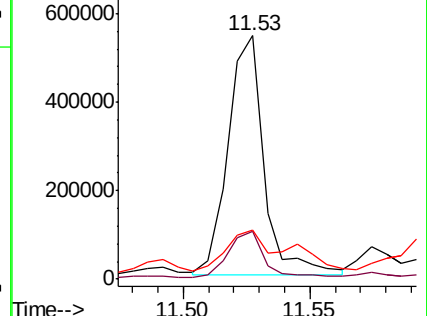
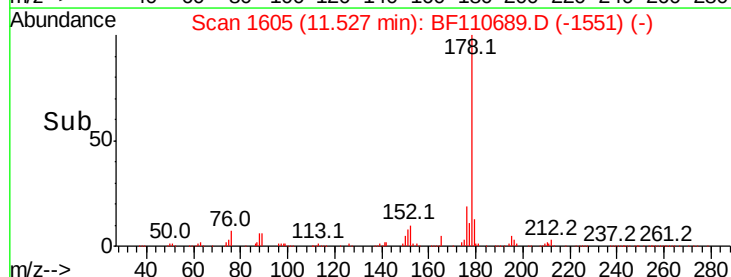
179 20.2 12.5 18.7#

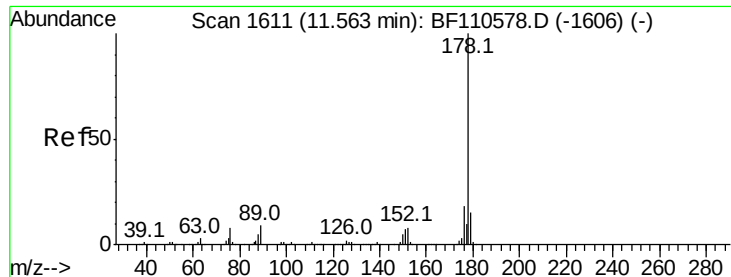


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.529 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

Instrument :

BNA_F

ClientSampled :

SS-2

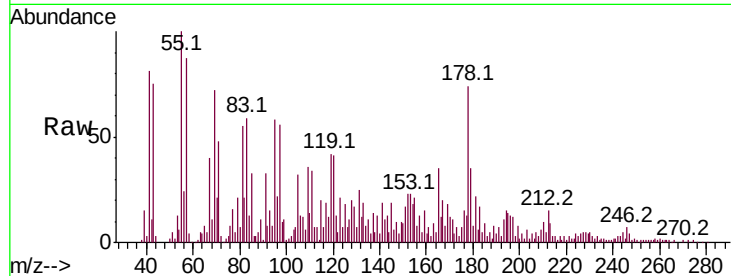
Tot Ion:178 Resp: 51761

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

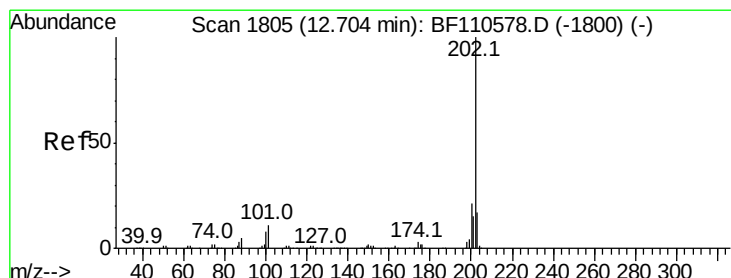
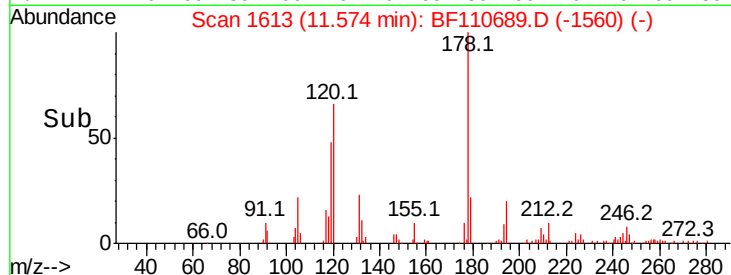
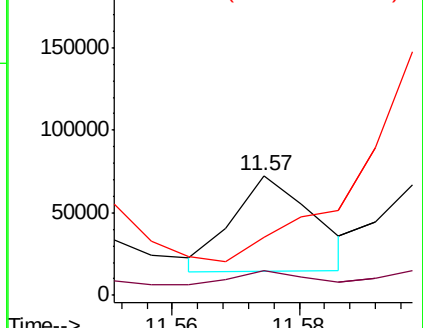
179 47.9 12.6 18.8#



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



#75

Fluoranthene

Concen: 2.373 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF110689.D

Acq: 12 Nov 2018 21:59

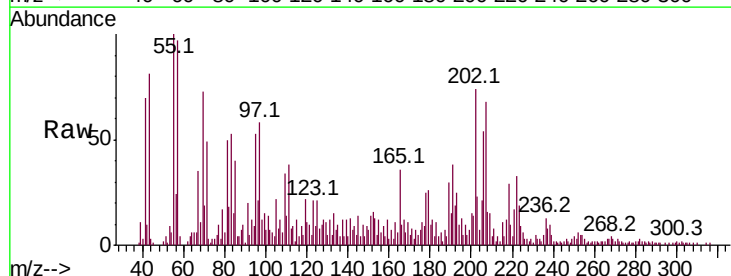
Tgt Ion:202 Resp: 34590

Ion Ratio Lower Upper

202 100

101 19.1 0.0 31.4

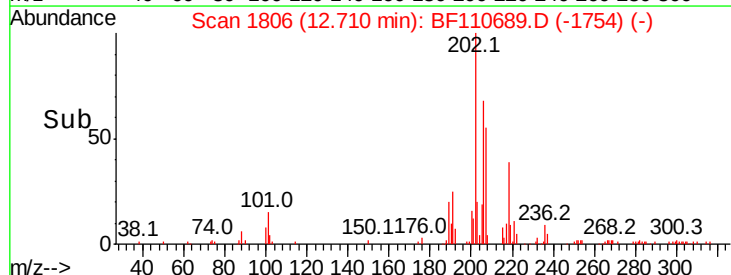
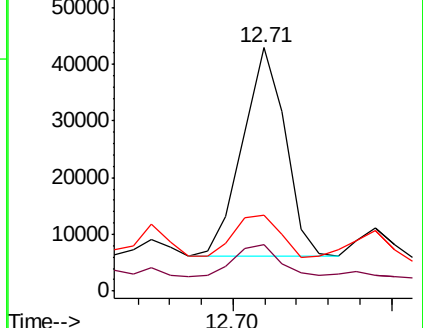
203 31.0 0.0 37.7

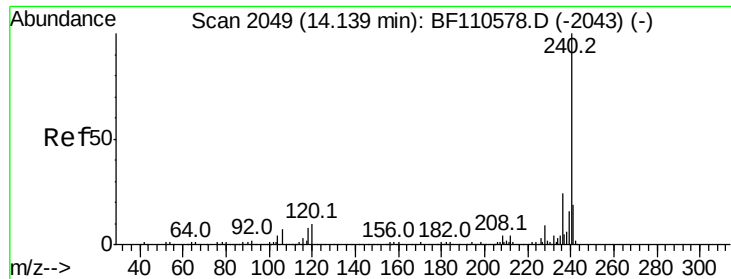


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

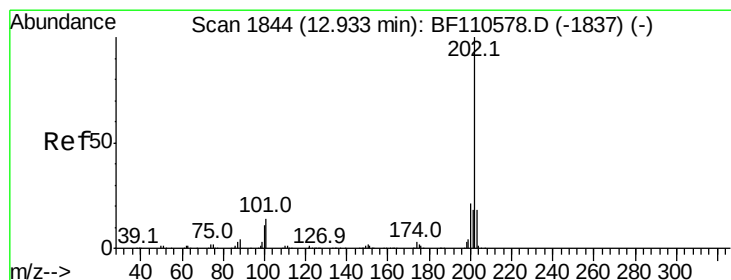
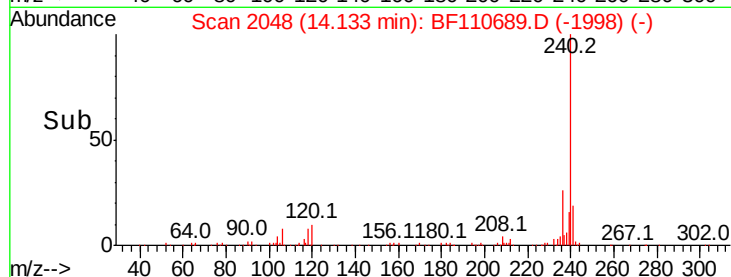
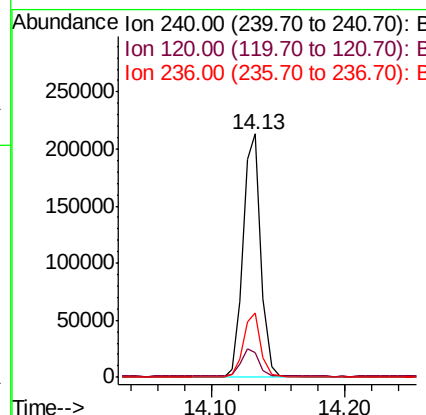
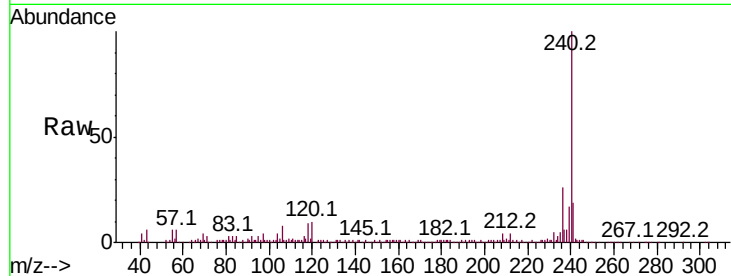




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110689.D
 Acq: 12 Nov 2018 21:59

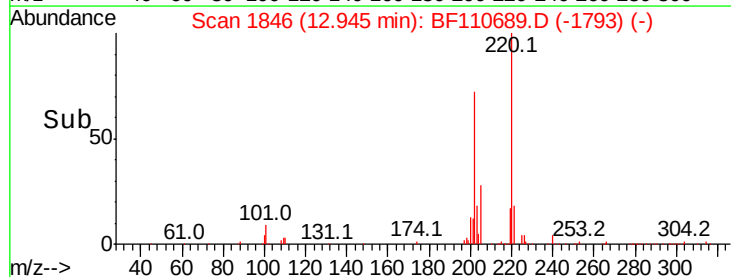
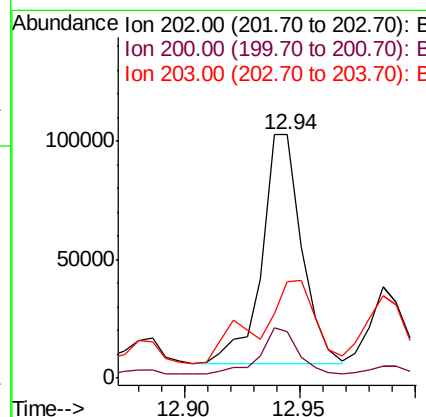
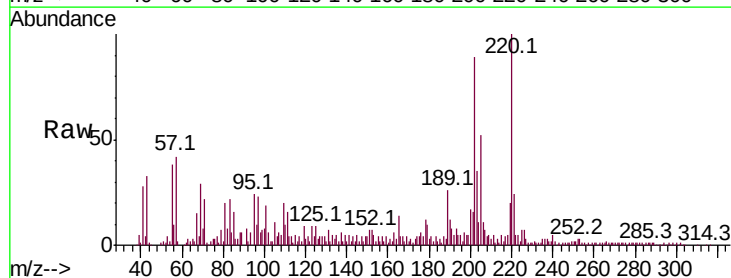
Instrument :
 BNA_F
 ClientSampled :
 SS-2

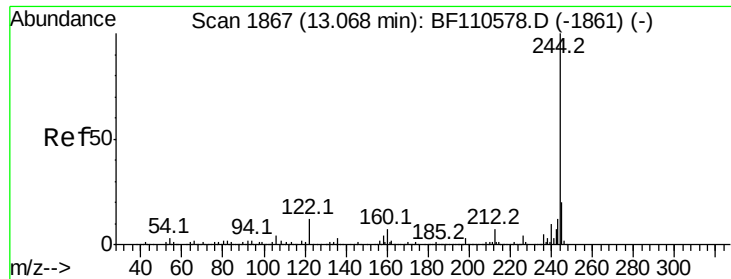
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	26.3	21.2	31.8



#78
 Pyrene
 Concen: 7.619 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF110689.D
 Acq: 12 Nov 2018 21:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.0	17.8	26.6
203	39.8	14.2	21.4#

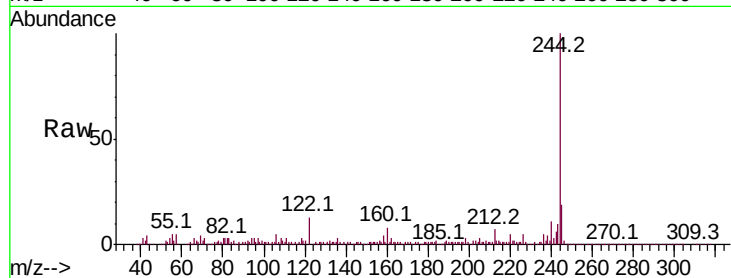




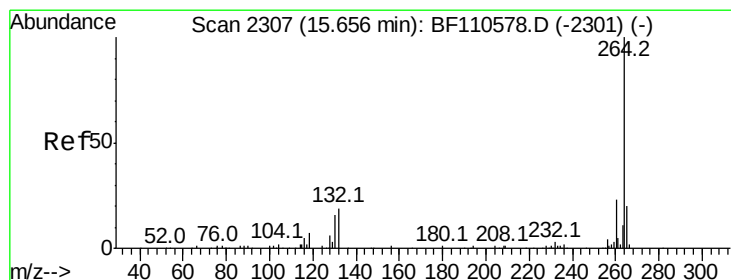
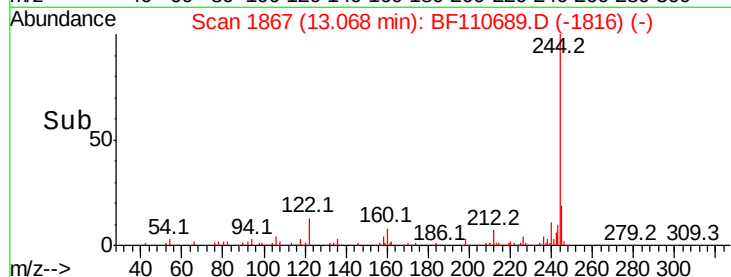
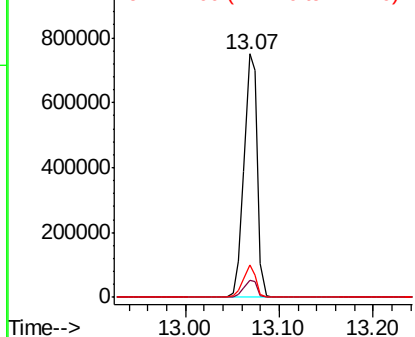
#79
 Terphenyl-d14
 Concen: 68.861 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: BF110689.D
 Acq: 12 Nov 2018 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Tot Ion:244 Resp: 732580
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 13.2 8.7 13.1#

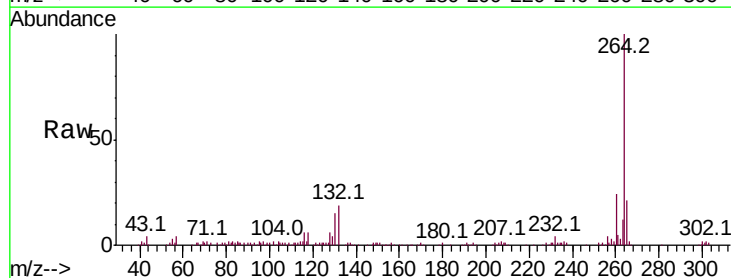


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.65 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: BF110689.D
 Acq: 12 Nov 2018 21:59

Tgt Ion:264 Resp: 177361
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.7 28.1
 265 21.5 16.7 25.1



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

