

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099654.D
 Acq On : 19 Oct 2017 9:11
 Operator : SJ/JU
 Sample : I5935-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:26:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	84837	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	306196	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	108676	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	172939	20.00	ng	0.00
75) Chrysene-d12	13.99	240	182405	20.00	ng	0.00
86) Perylene-d12	15.46	264	141305	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	713998	133.98	ng	0.02
7) Phenol-d6	6.47	99	752283	114.43	ng	0.00
23) Nitrobenzene-d5	7.40	82	487777	102.16	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	133392	150.00	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	832633	127.90	ng	0.00
78) Terphenyl-d14	12.93	244	683883	85.27	ng	0.00

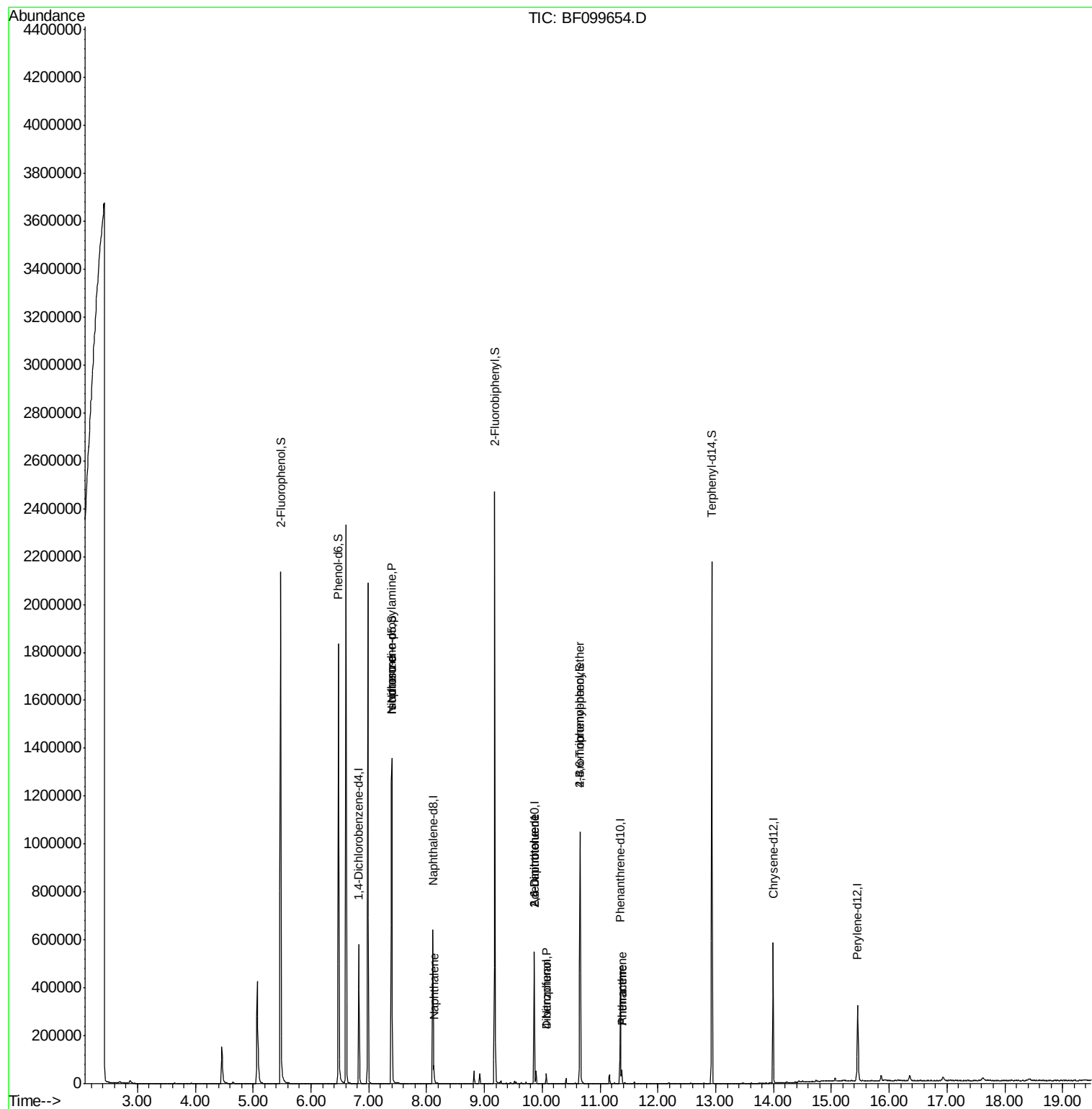
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	61217	14.585	ng	# 72
25) Isophorone	7.40	82	487769	49.412	ng	# 64
31) Naphthalene	8.13	128	33594	2.336	ng	# 99
50) 2,6-Dinitrotoluene	9.86	165	13951	7.813	ng	# 24
54) Dibenzofuran	10.07	168	18114	2.001	ng	# 94
55) 4-Nitrophenol	10.07	139	6437	3.656	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	13951	6.020	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	8488	5.014	ng	# 1
70) Phenanthrene	11.37	178	21912	2.367	ng	# 98
71) Anthracene	11.37	178	21912	2.313	ng	# 98

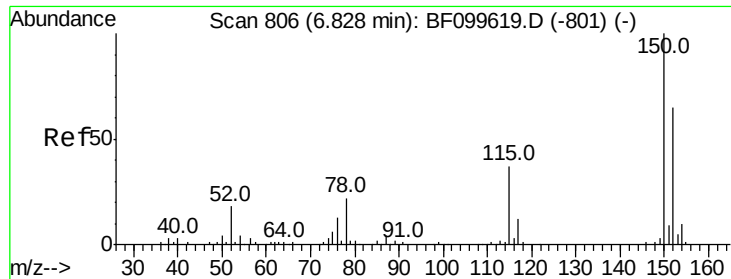
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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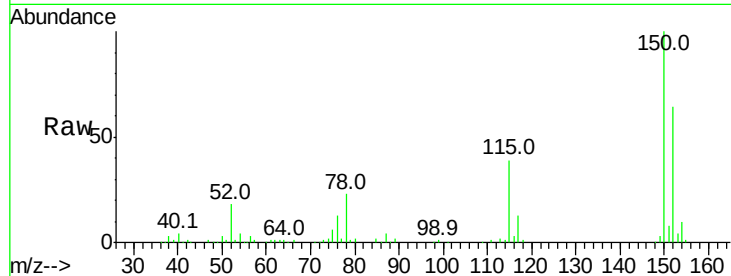


#1

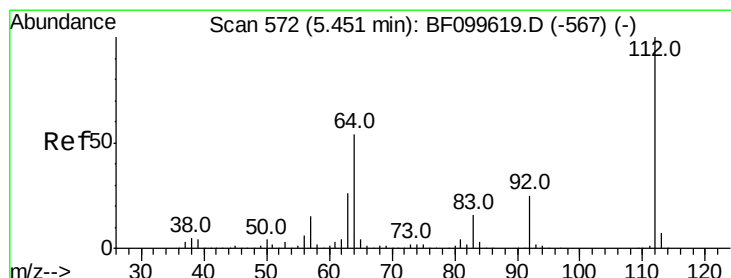
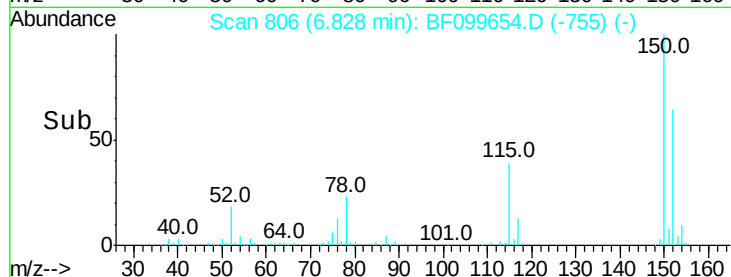
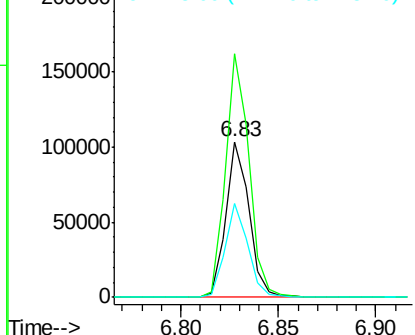
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099654.D
Acq: 19 Oct 2017 9:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 84837
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 60.5 50.1 75.1



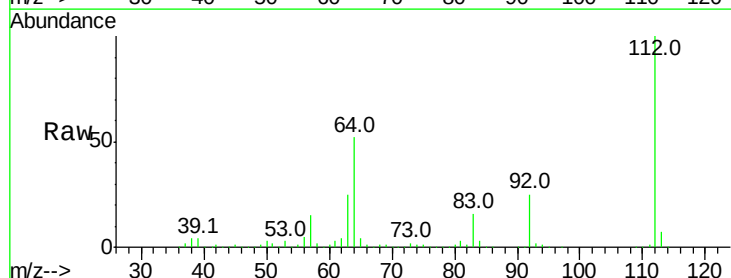
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



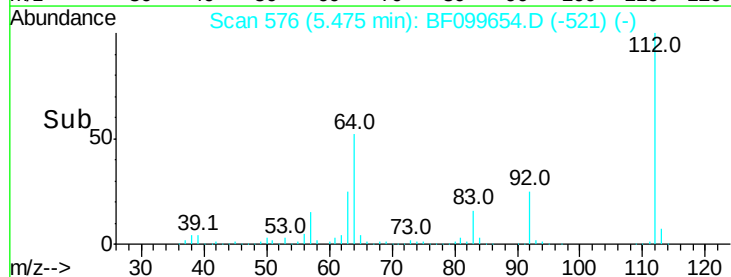
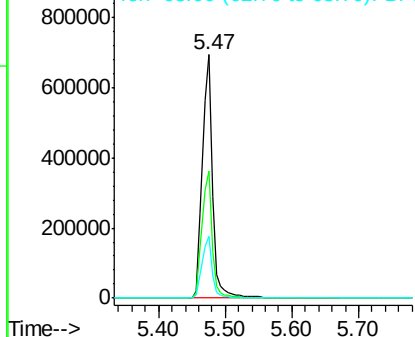
#5

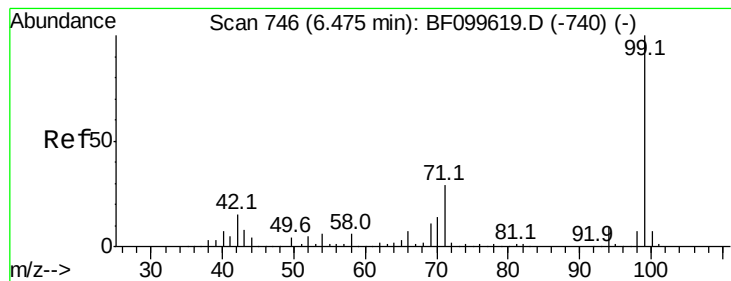
2-Fluorophenol
Concen: 133.976 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF099654.D
Acq: 19 Oct 2017 9:11

Tgt Ion:112 Resp: 713998
Ion Ratio Lower Upper
112 100
64 52.0 47.9 71.9
63 25.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.428 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

Instrument :

BNA_F

ClientSampled :

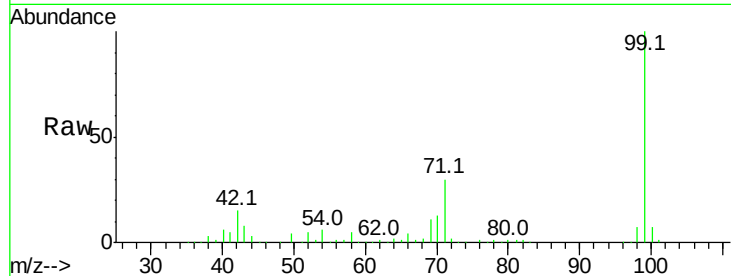
Tot Ion: 99 Resp: 752283

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

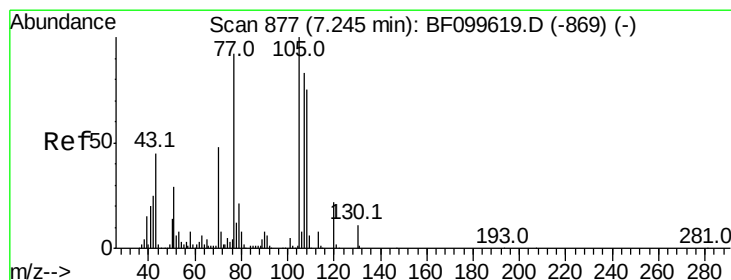
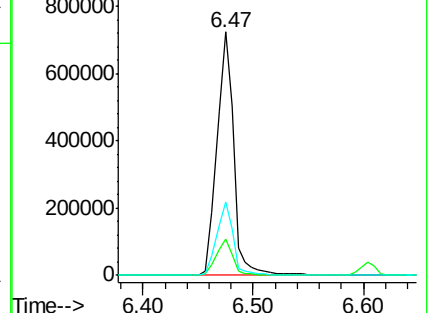
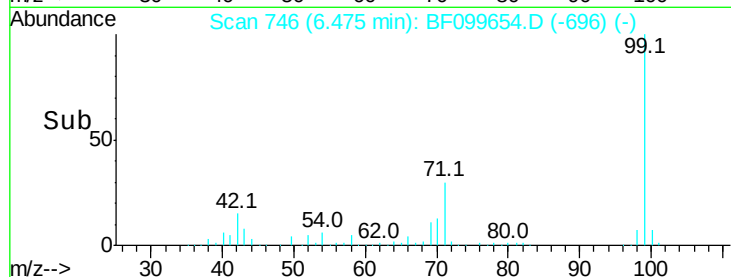
71 30.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.585 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

Tgt Ion: 70 Resp: 61217

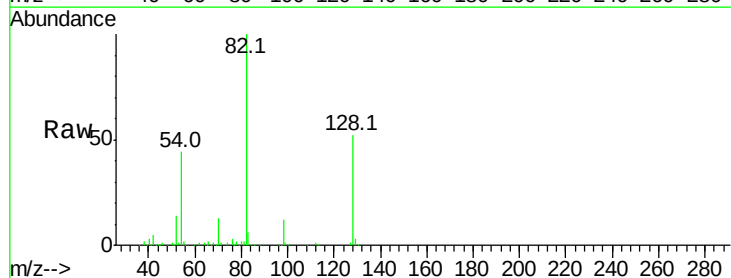
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

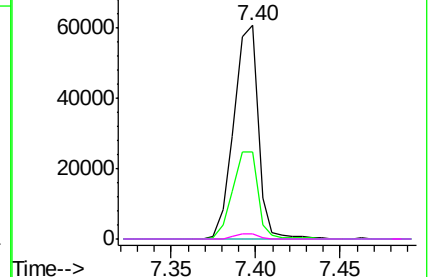
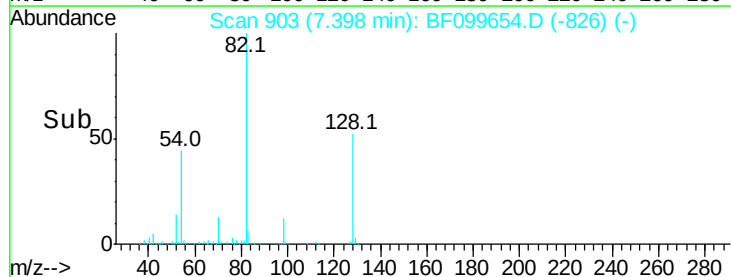


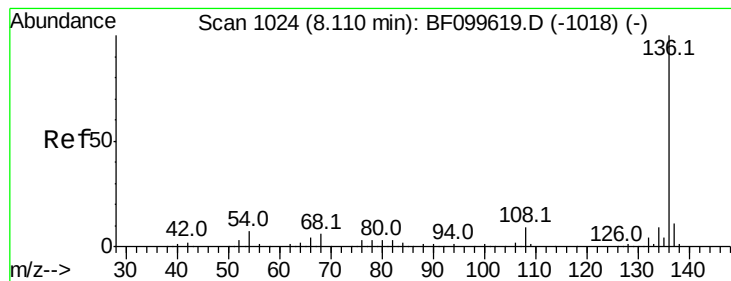
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 306196

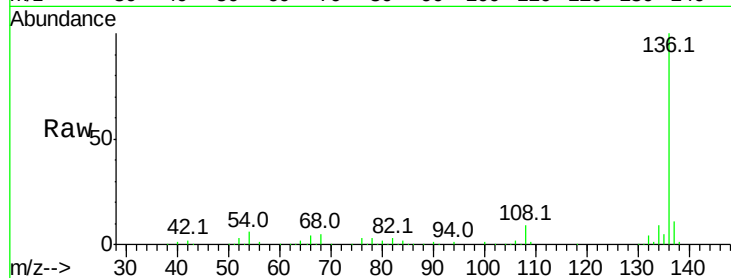
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.3 6.6 9.8#

68 5.3 5.0 7.4

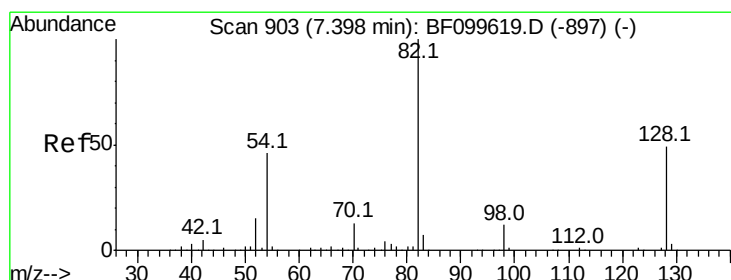
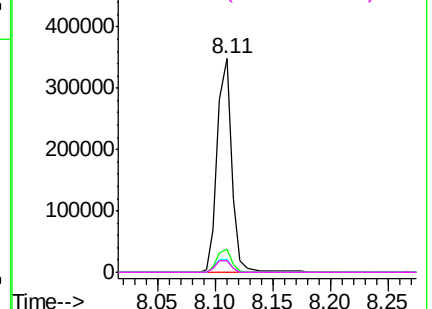
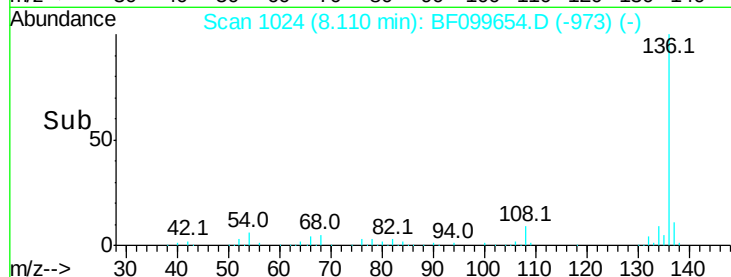


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 102.161 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

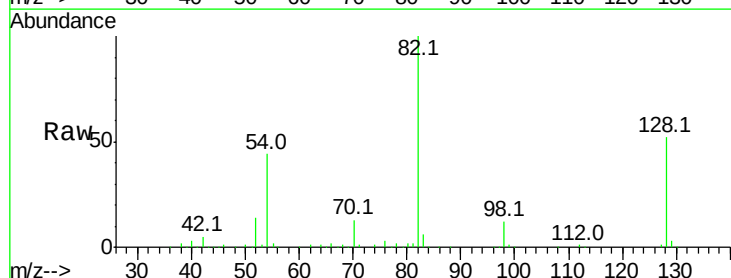
Tgt Ion: 82 Resp: 487777

Ion Ratio Lower Upper

82 100

128 51.5 36.1 54.1

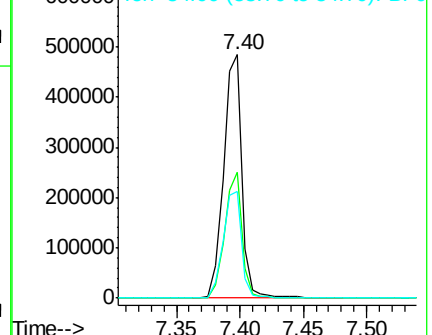
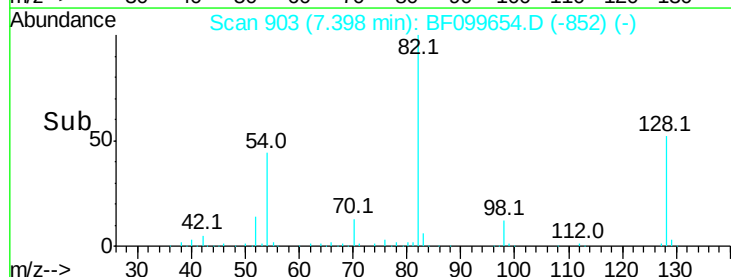
54 43.9 41.4 62.2

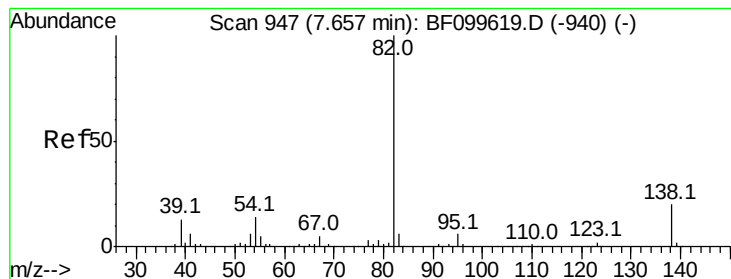


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 49.412 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

Instrument :

BNA_F

ClientSampleId :

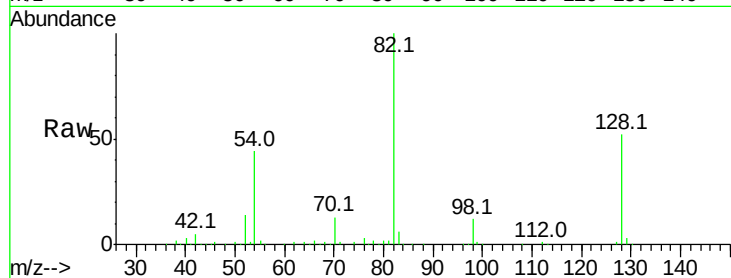
Tot Ion: 82 Resp: 487769

Ion Ratio Lower Upper

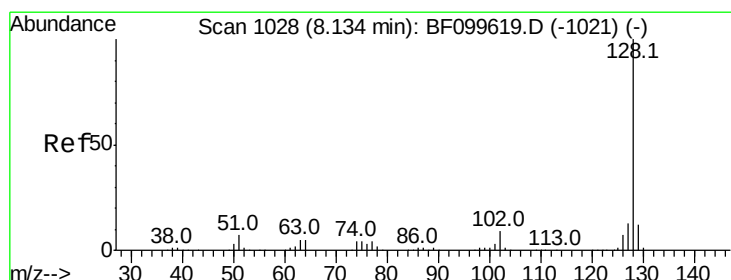
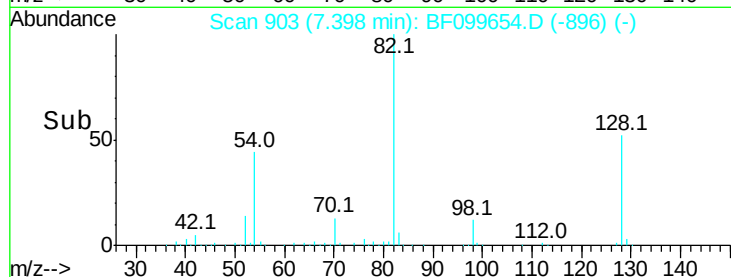
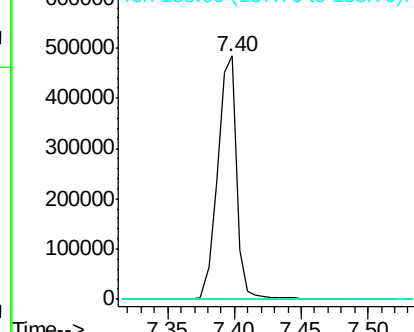
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 2.336 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

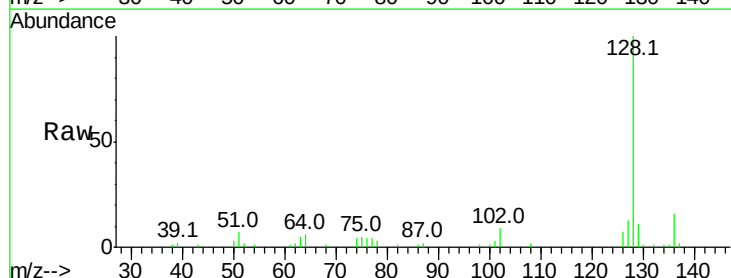
Tgt Ion: 128 Resp: 33594

Ion Ratio Lower Upper

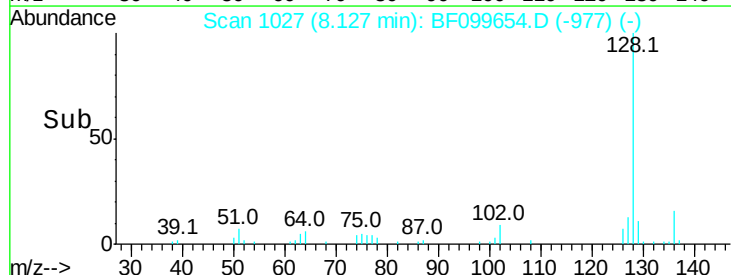
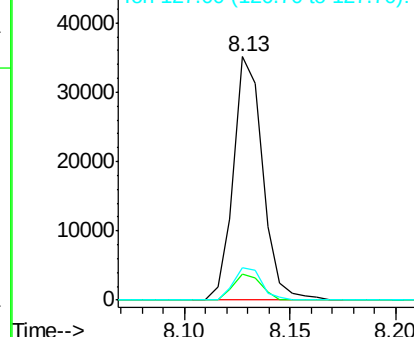
128 100

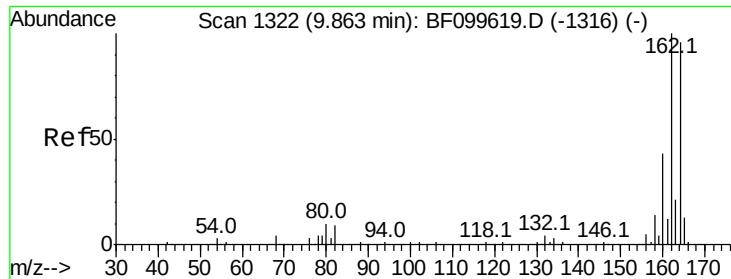
129 10.8 8.8 13.2

127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

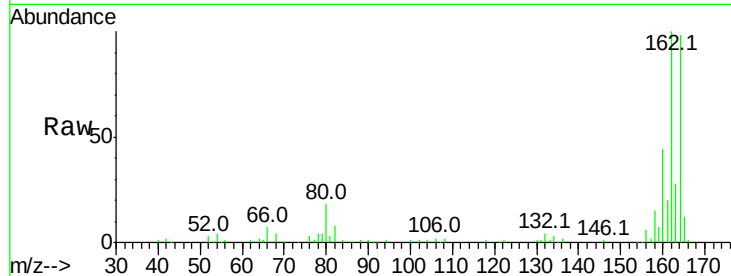




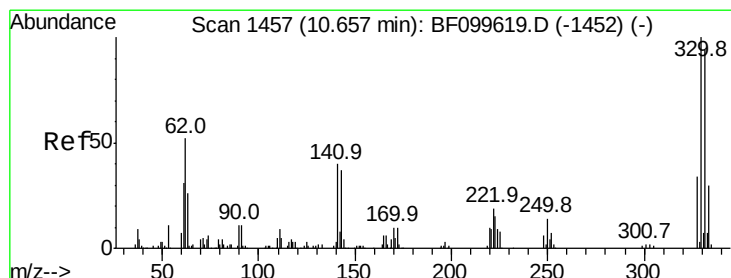
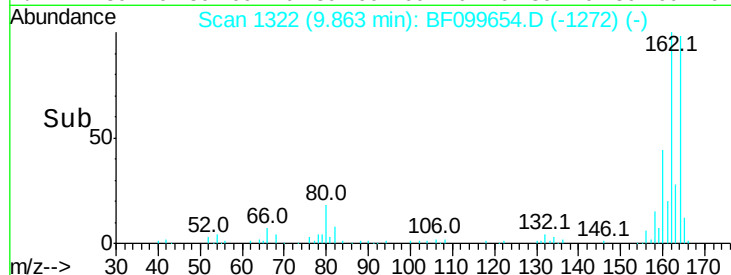
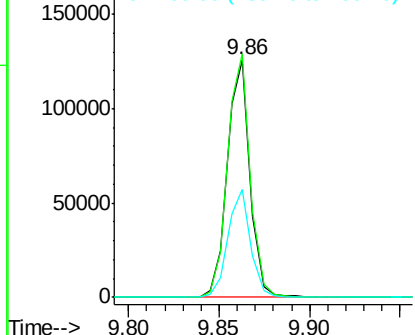
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 108676
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 45.5 38.3 57.5

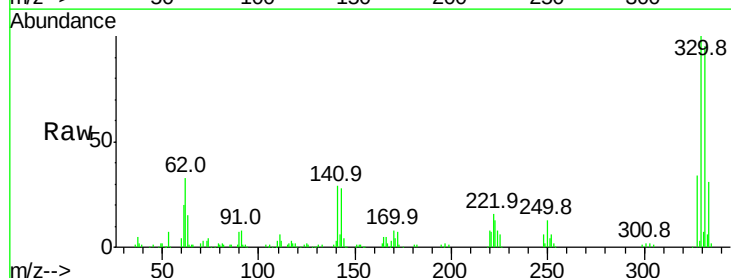


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

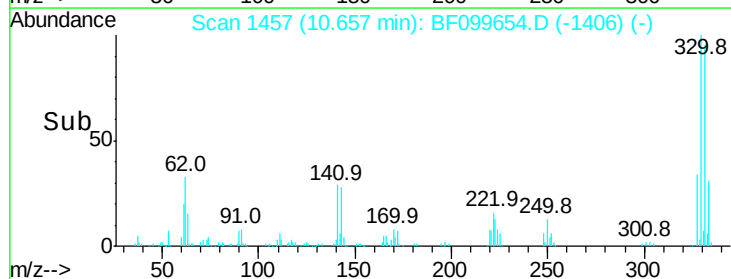
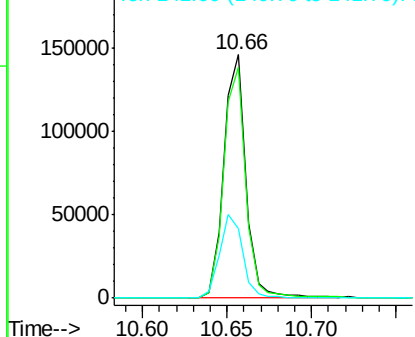


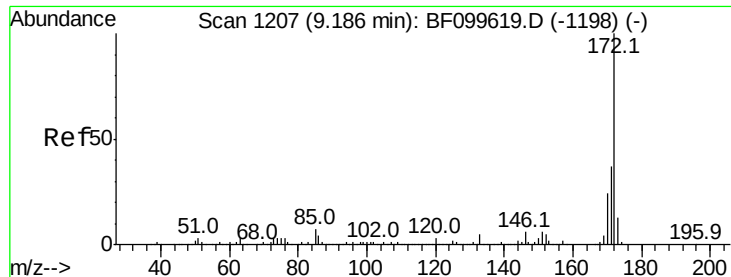
#41
 2,4,6-Tribromophenol
 Concen: 150.003 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Tgt Ion:330 Resp: 133392
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 36.3 29.9 44.9



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

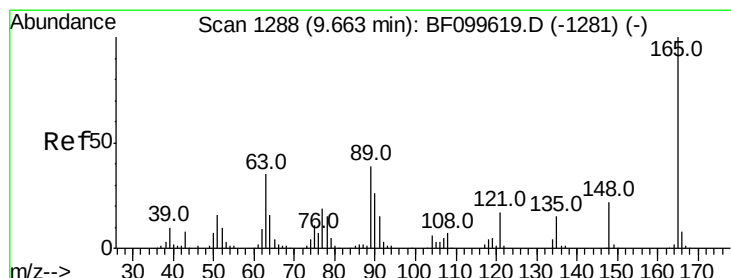
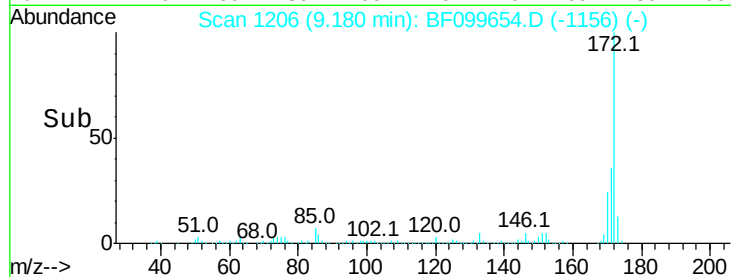
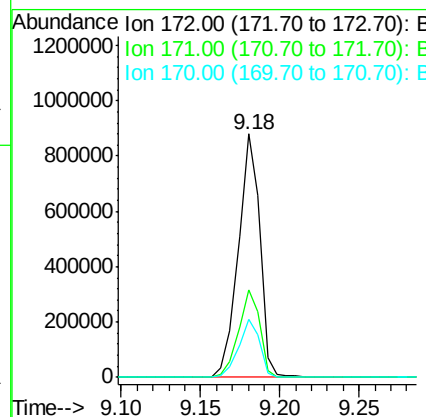
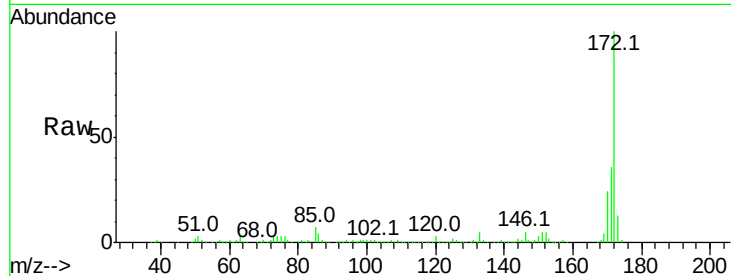




#44
2-Fluorobiphenyl
Concen: 127.904 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF099654.D
Acq: 19 Oct 2017 9:11

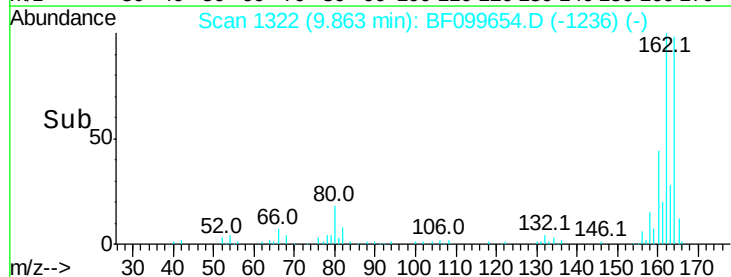
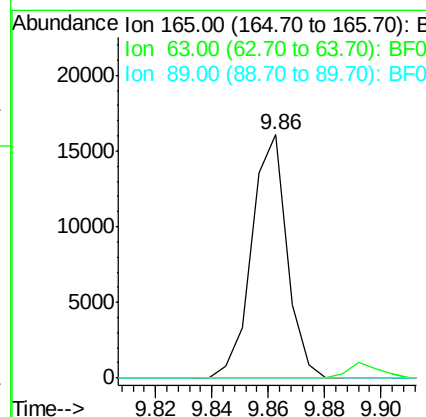
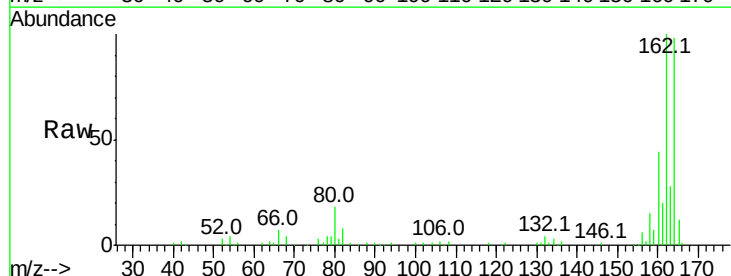
Instrument :
BNA_F
ClientSampleId :

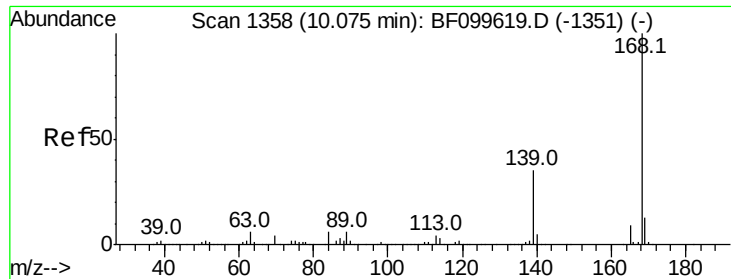
Tot Ion:172 Resp: 832633
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.7 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 7.813 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF099654.D
Acq: 19 Oct 2017 9:11

Tgt Ion:165 Resp: 13951
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#54

Dibenzofuran

Concen: 2.001 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

Instrument :

BNA_F

ClientSampled :

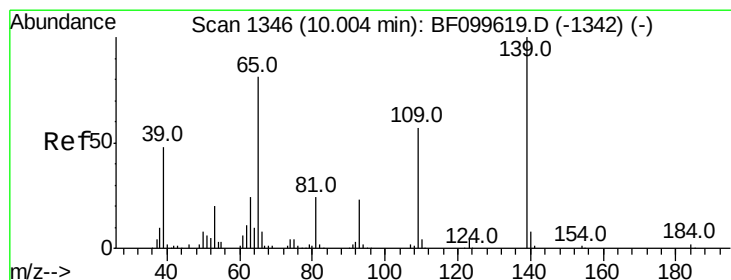
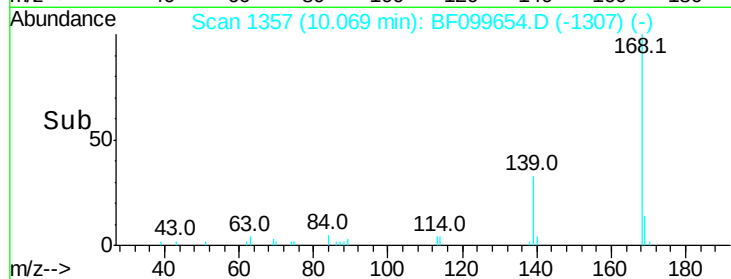
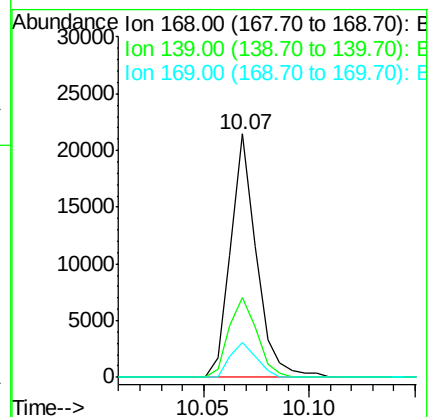
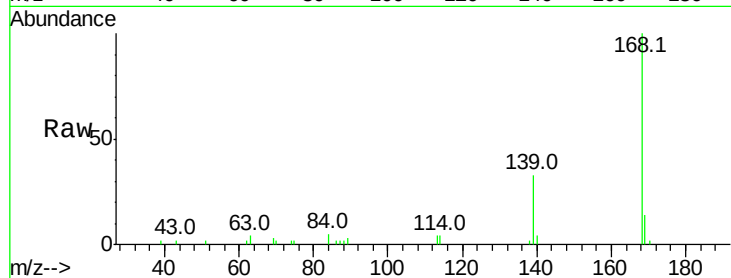
Tot Ion:168 Resp: 18114

Ion Ratio Lower Upper

168 100

139 32.9 30.1 45.1

169 14.2 10.9 16.3



#55

4-Nitrophenol

Concen: 3.656 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.06 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

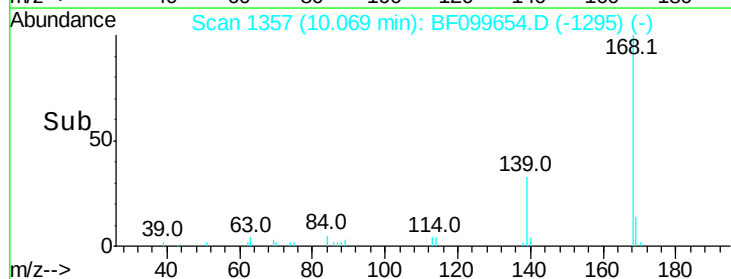
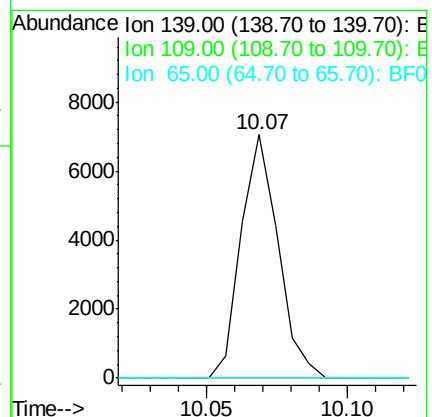
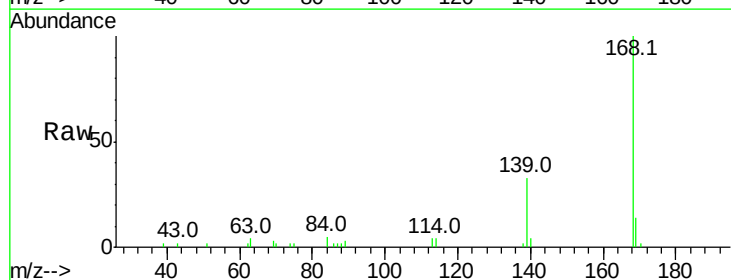
Tgt Ion:139 Resp: 6437

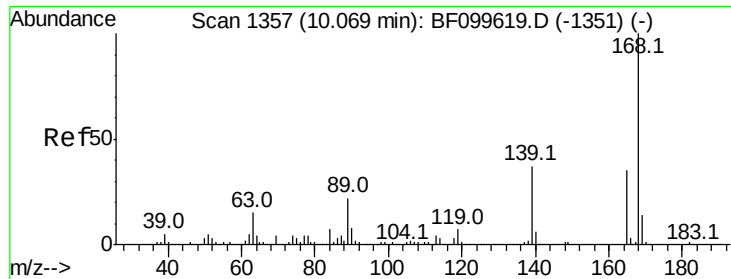
Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#

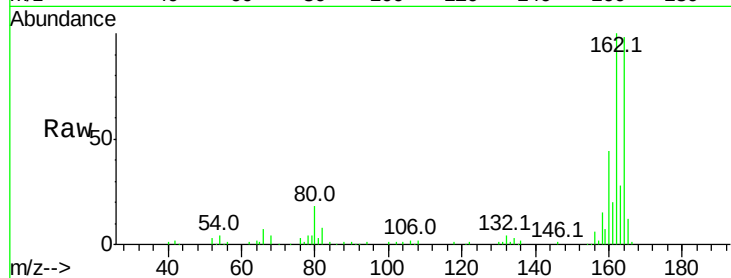




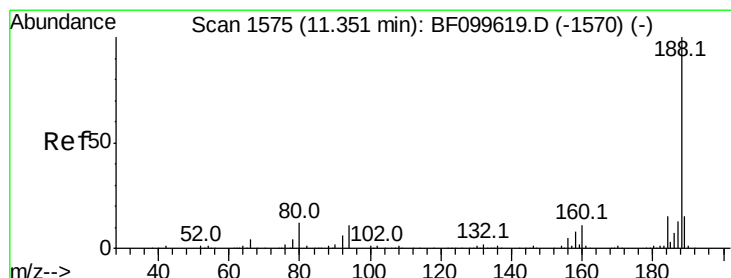
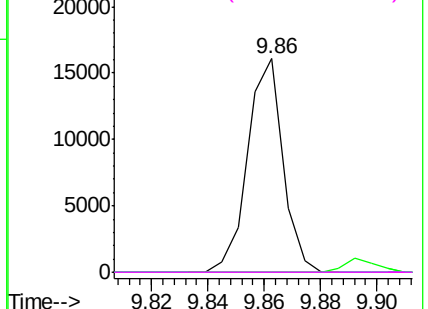
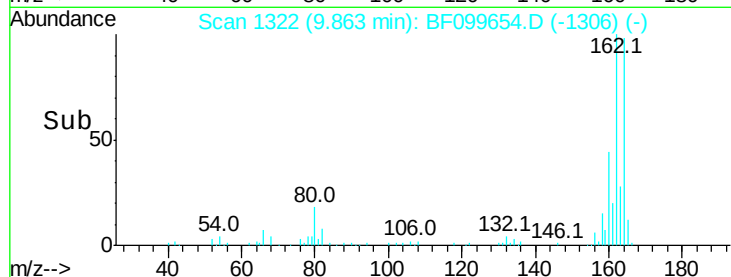
#56
 2,4-Dinitrotoluene
 Concen: 6.020 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 13951
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

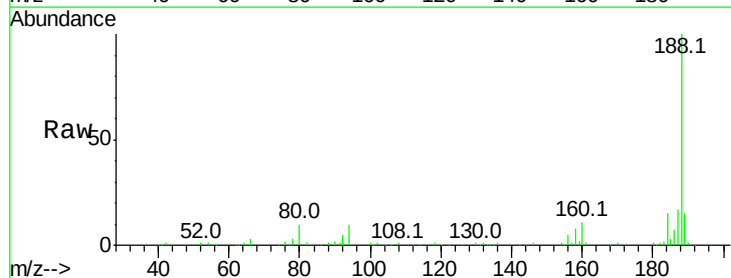


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

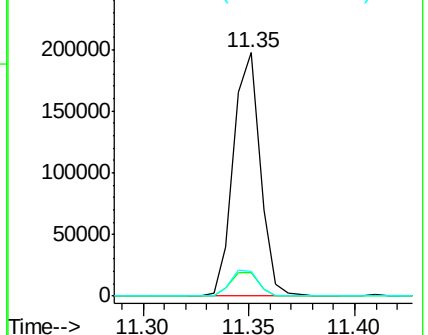
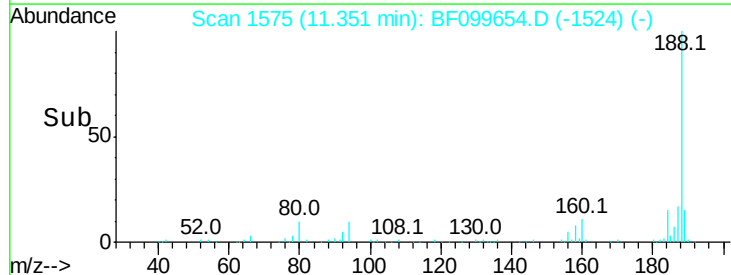


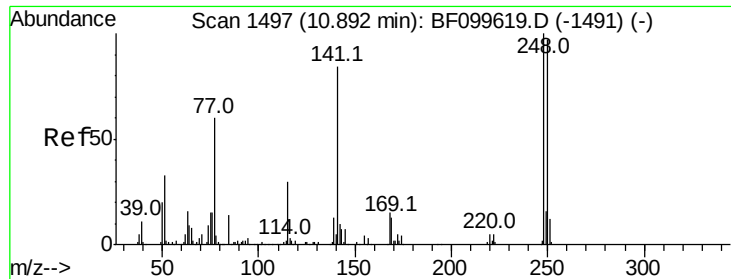
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Tgt Ion:188 Resp: 172939
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

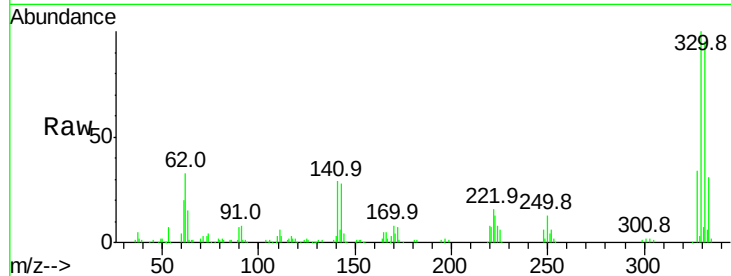




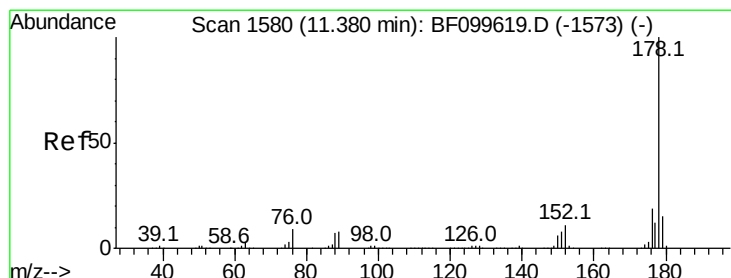
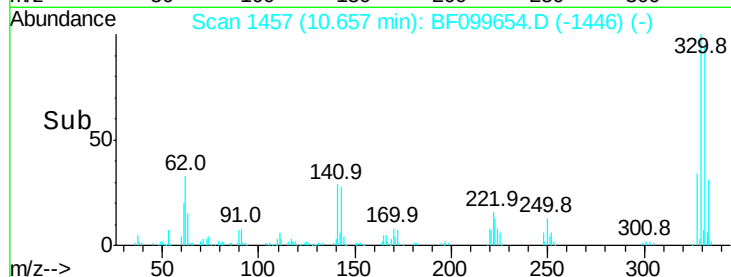
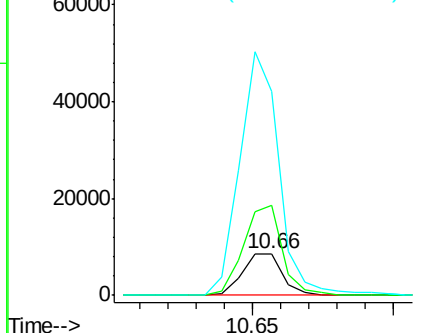
#66
 4-Bromophenyl-phenylether
 Concen: 5.014 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8488
 Ion Ratio Lower Upper
 248 100
 250 213.6 76.9 115.3#
 141 485.6 74.4 111.6#

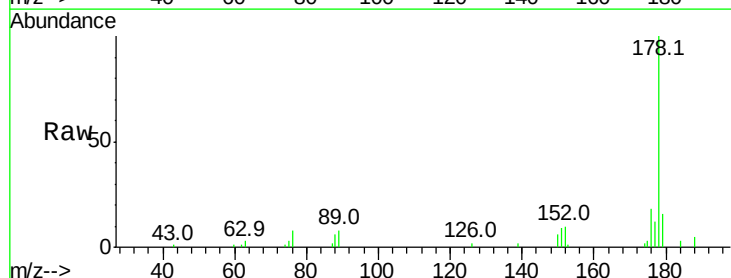


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

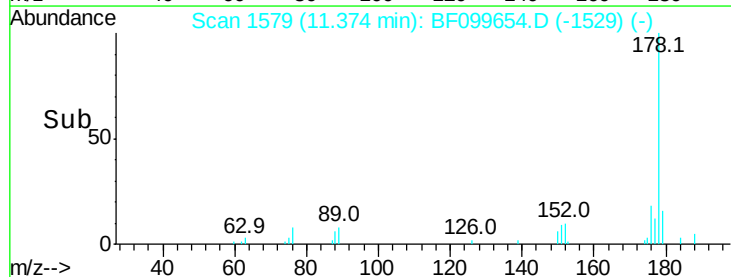
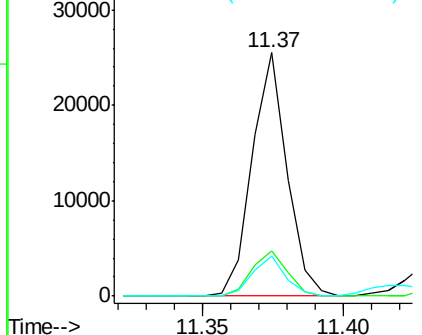


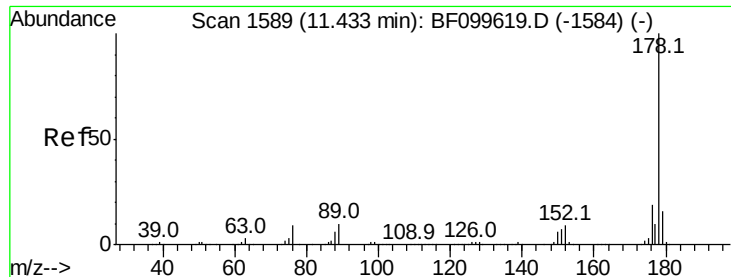
#70
 Phenanthrene
 Concen: 2.367 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Tgt Ion:178 Resp: 21912
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 16.4 13.0 19.6



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

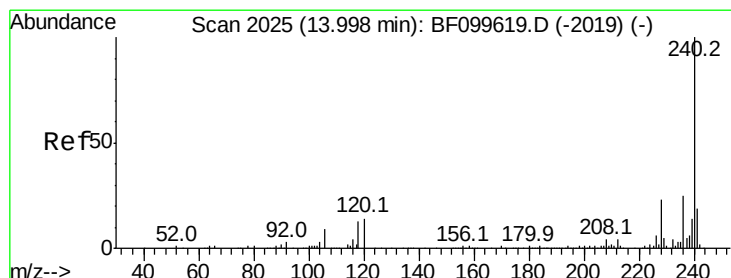
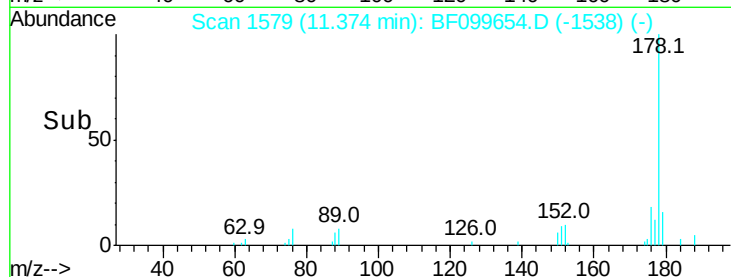
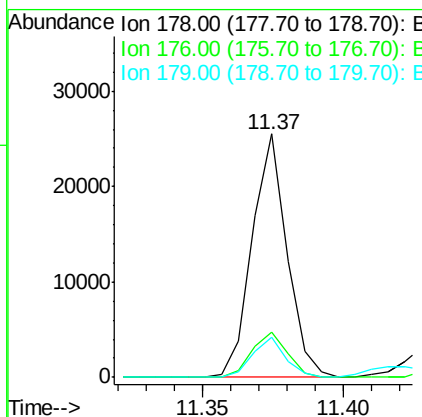
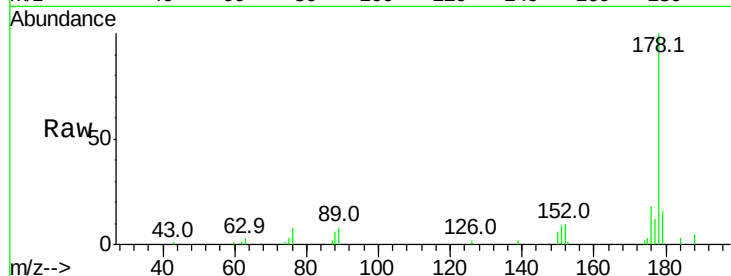




#71
 Anthracene
 Concen: 2.313 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.06 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

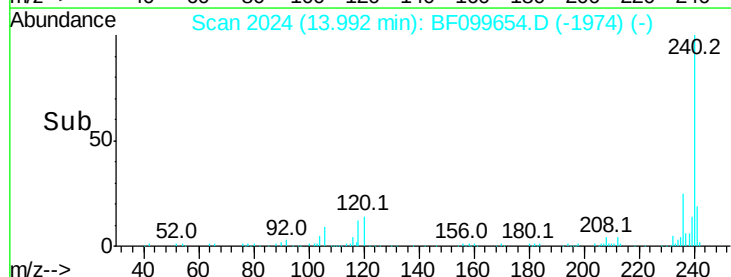
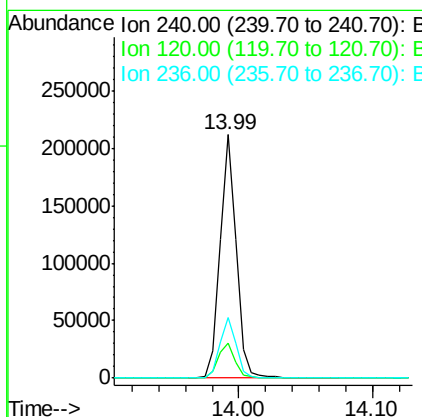
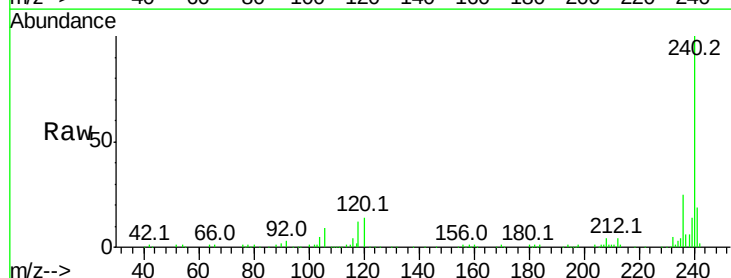
Instrument :
 BNA_F
 ClientSampleId :

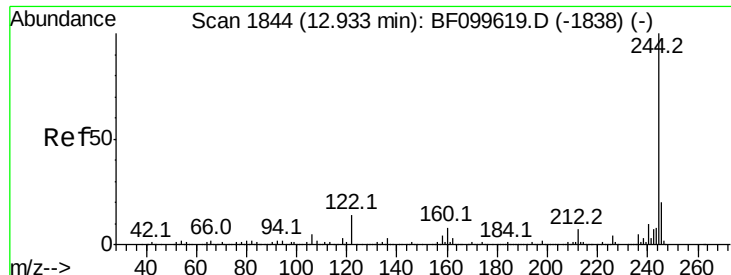
Tot Ion:178 Resp: 21912
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.4 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099654.D
 Acq: 19 Oct 2017 9:11

Tgt Ion:240 Resp: 182405
 Ion Ratio Lower Upper
 240 100
 120 14.4 9.5 14.3#
 236 24.8 20.7 31.1





#78

Terphenyl-d14

Concen: 85.266 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

Instrument :

BNA_F

ClientSampleId :

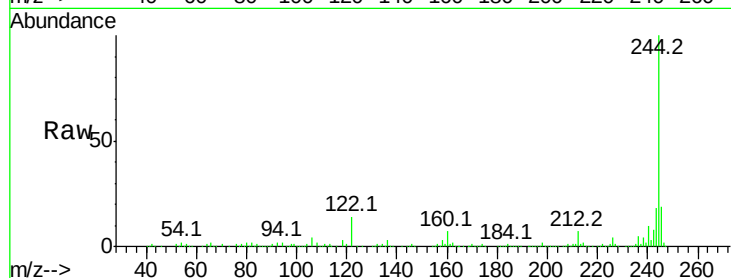
Tot Ion:244 Resp: 683883

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

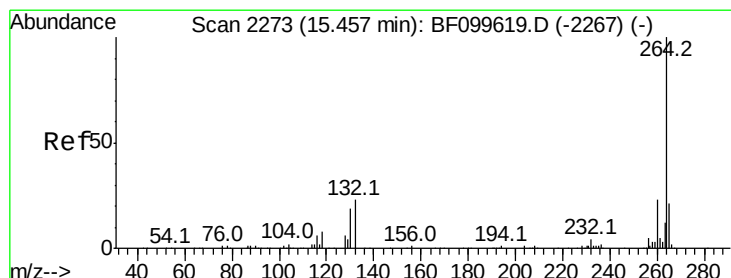
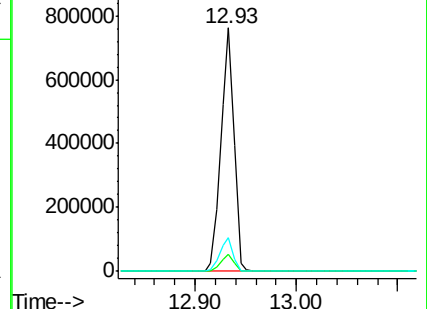
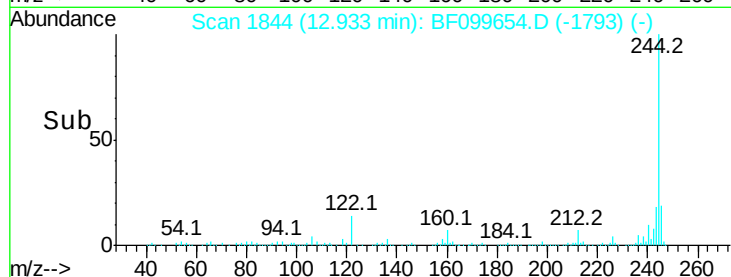
122 13.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099654.D

Acq: 19 Oct 2017 9:11

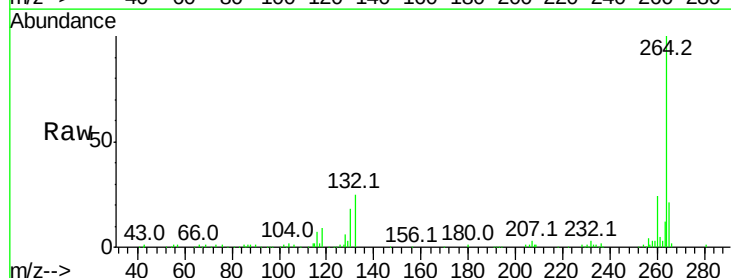
Tgt Ion:264 Resp: 141305

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 20.6 17.5 26.3



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

