

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101644.D
 Acq On : 22 Dec 2017 9:22
 Operator : SJ/JU
 Sample : I7008-10
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 10:24:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138724	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	513747	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	189771	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	297504	20.00	ng	0.00
75) Chrysene-d12	13.97	240	307889	20.00	ng	0.00
86) Perylene-d12	15.44	264	235253	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	325196	34.92	ng	0.01
7) Phenol-d6	6.45	99	233114	20.11	ng	0.00
23) Nitrobenzene-d5	7.37	82	755647	81.88	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	121174	66.27	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1172296	95.83	ng	0.00
78) Terphenyl-d14	12.90	244	864078	67.66	ng	0.00
Target Compounds						
10) Phenol	6.46	94	30660	2.321	ng	81
19) n-Nitroso-di-n-propylamine	7.37	70	98940	12.999	ng	# 82
25) Isophorone	7.37	82	755647	40.814	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	24226	7.809	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	24226	6.931	ng	# 24
66) 4-Bromophenyl-phenylether	10.63	248	7939	2.375	ng	# 1

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

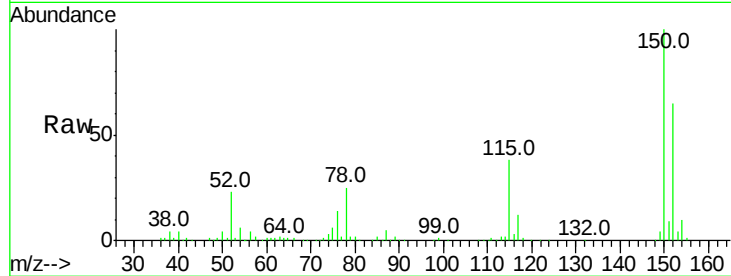


#1

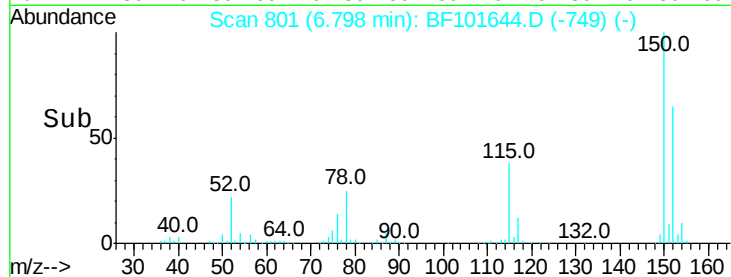
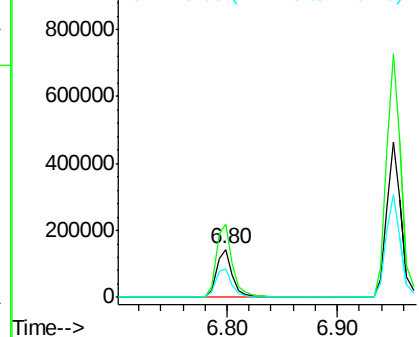
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101644.D
Acq: 22 Dec 2017 9:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 138724
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 58.8 50.1 75.1



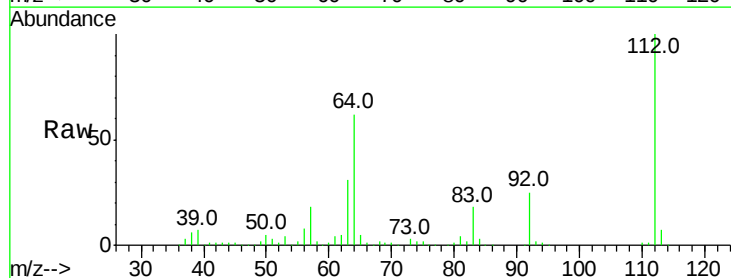
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



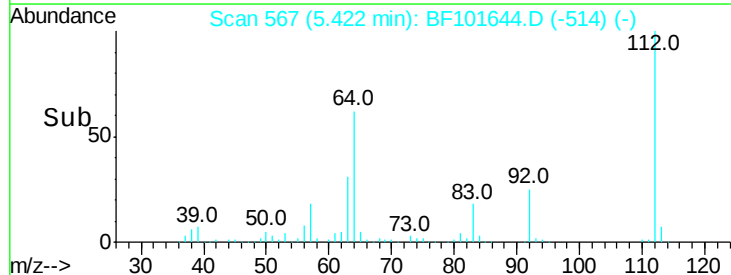
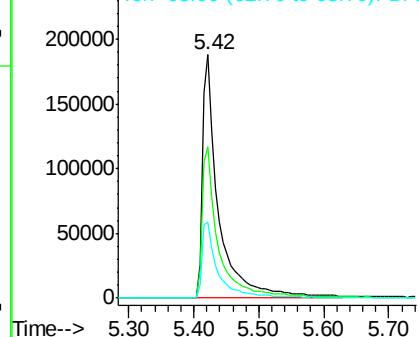
#5

2-Fluorophenol
Concen: 34.919 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101644.D
Acq: 22 Dec 2017 9:22

Tgt Ion:112 Resp: 325196
Ion Ratio Lower Upper
112 100
64 62.2 47.9 71.9
63 31.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.113 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

Instrument :

BNA_F

ClientSampleId :

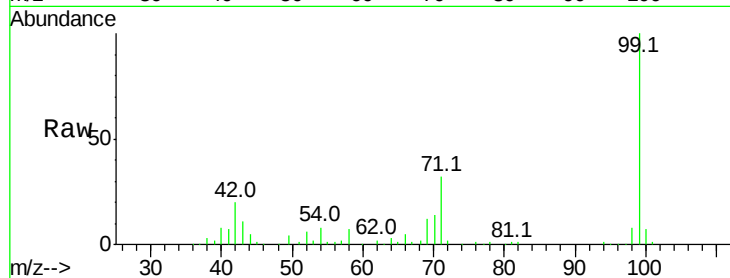
Tot Ion: 99 Resp: 233114

Ion Ratio Lower Upper

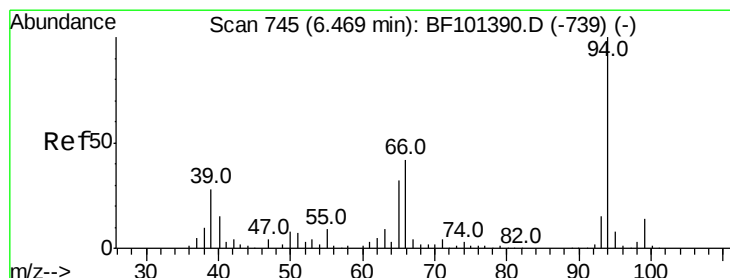
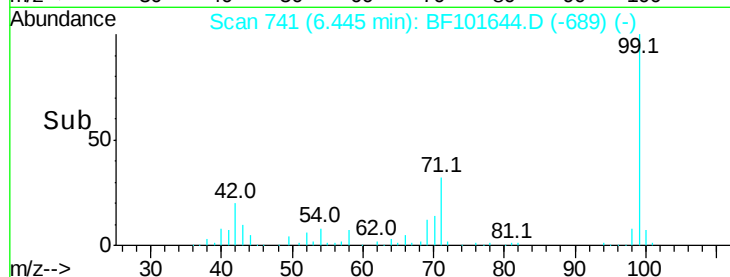
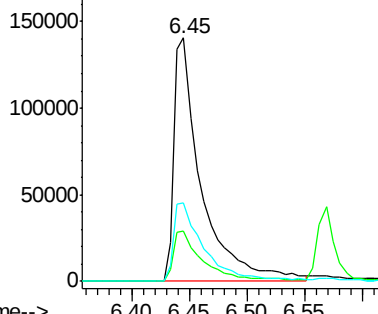
99 100

42 20.5 14.5 21.7

71 32.1 25.4 38.0



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: 2.321 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

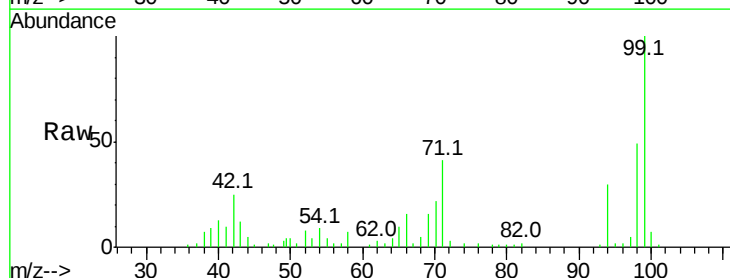
Tgt Ion: 94 Resp: 30660

Ion Ratio Lower Upper

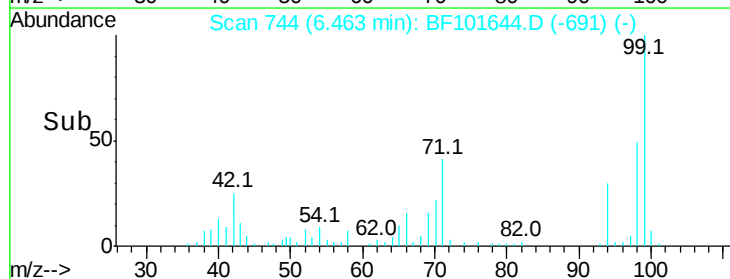
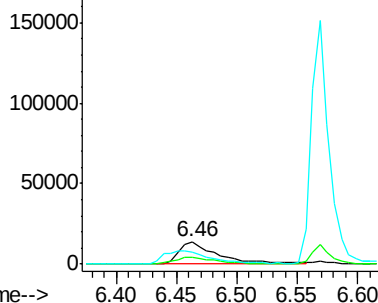
94 100

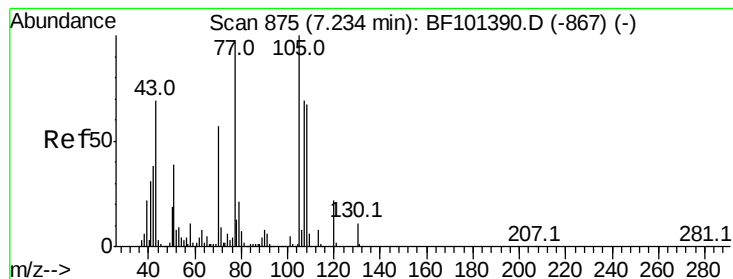
65 32.0 7.9 47.9

66 52.7 16.2 56.2



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





#19

n-Nitroso-di-n-propylamine

Concen: 12.999 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 98940

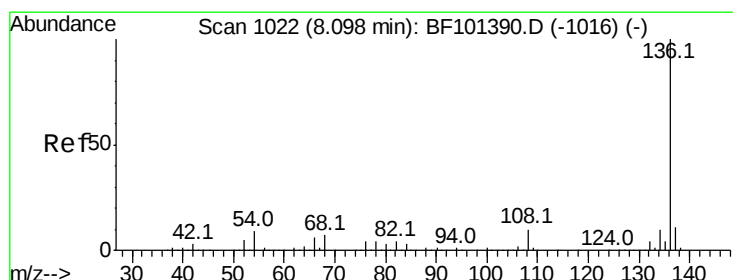
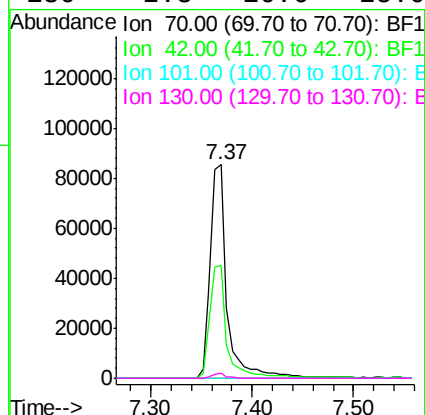
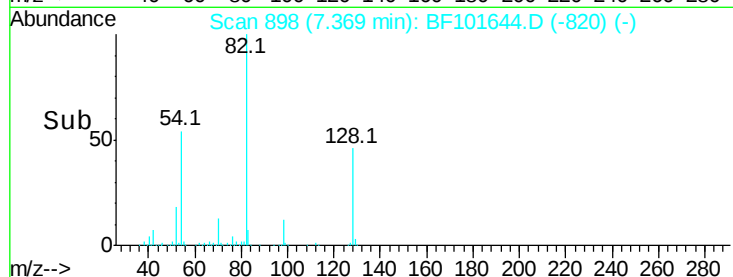
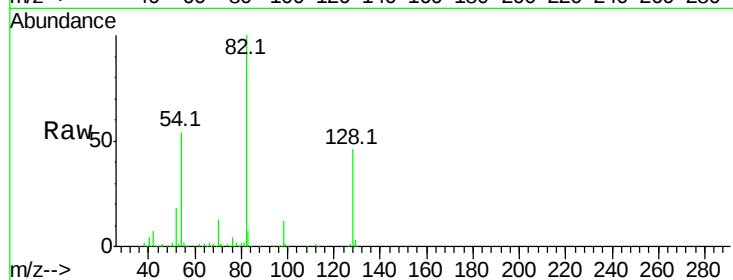
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

Tgt Ion: 136 Resp: 513747

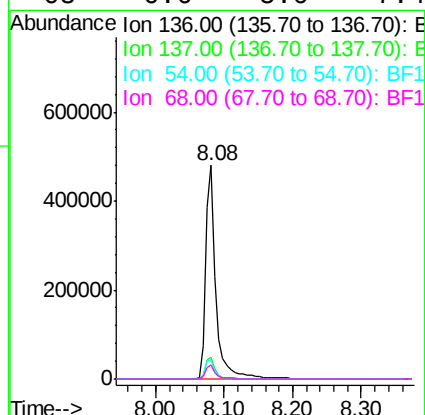
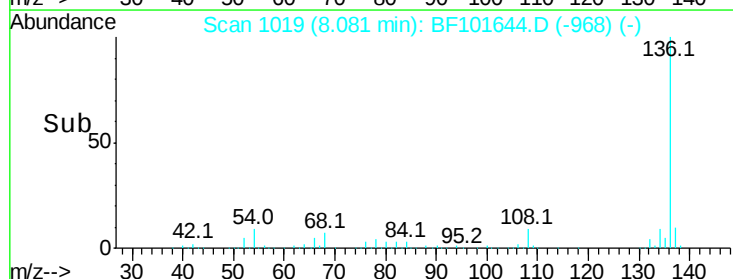
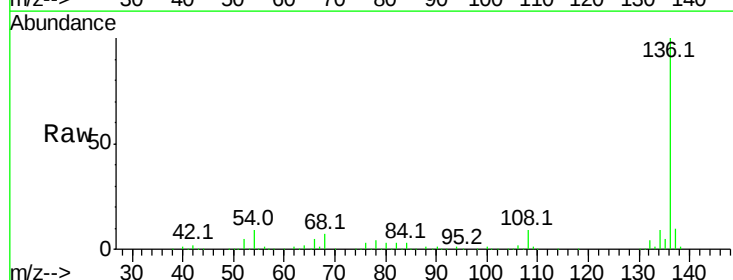
Ion Ratio Lower Upper

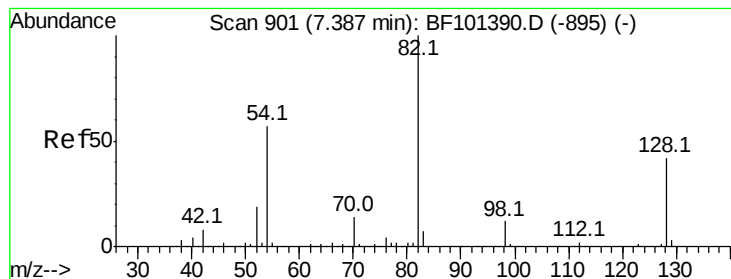
136 100

137 10.3 8.9 13.3

54 8.9 6.6 9.8

68 6.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 81.876 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

Instrument :

BNA_F

ClientSampled :

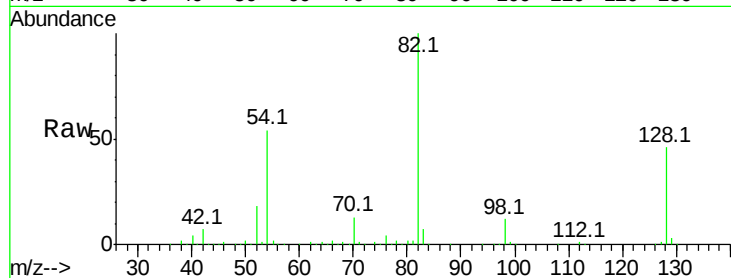
Tot Ion: 82 Resp: 755647

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

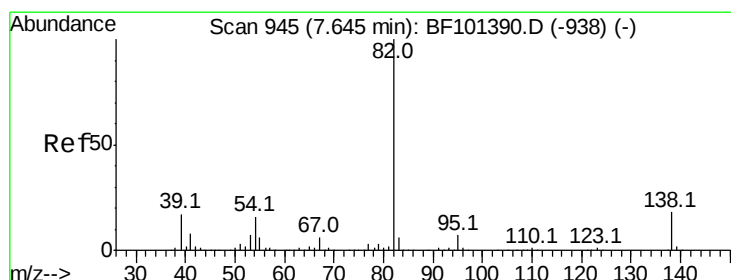
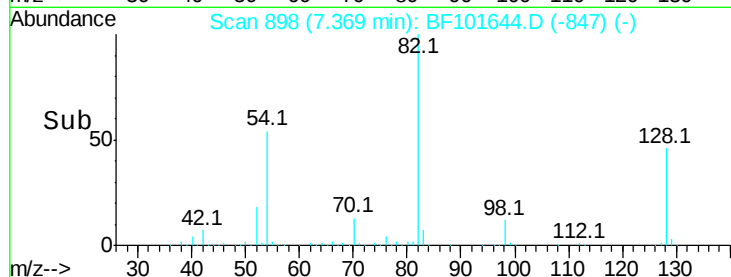
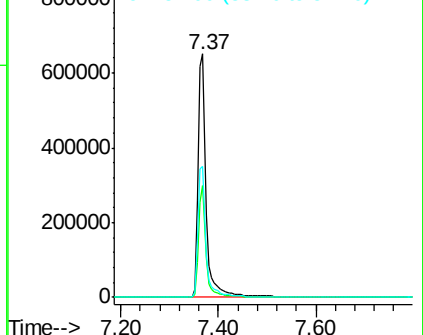
54 53.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 40.814 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.25 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

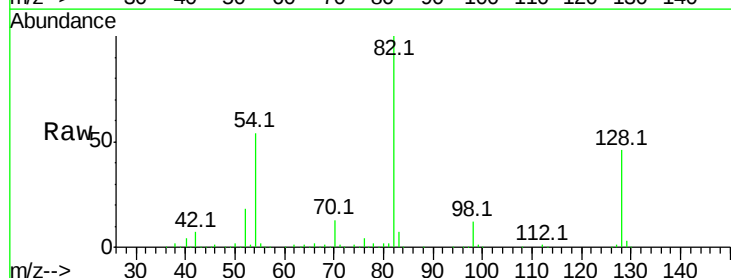
Tgt Ion: 82 Resp: 755647

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

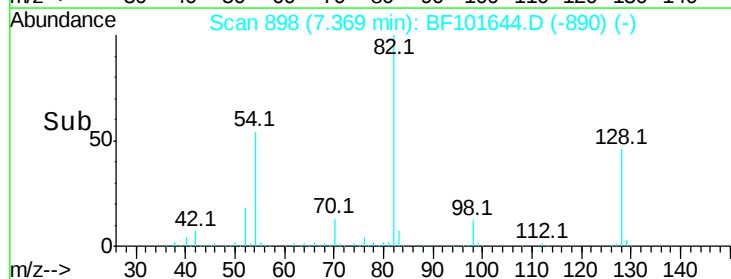
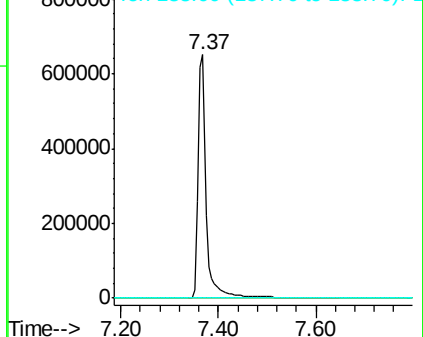
138 0.0 14.9 22.3#

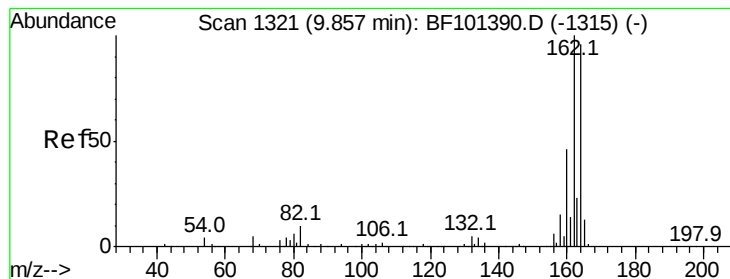


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

Instrument :

BNA_F

ClientSampleId :

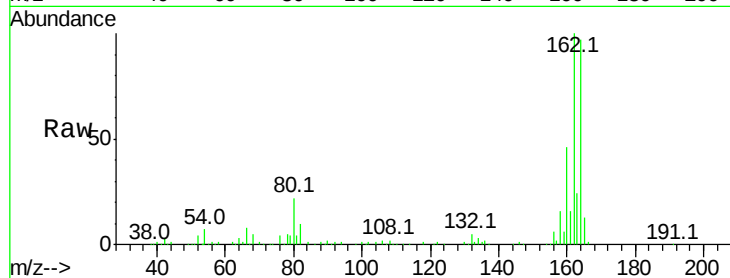
Tot Ion:164 Resp: 189771

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

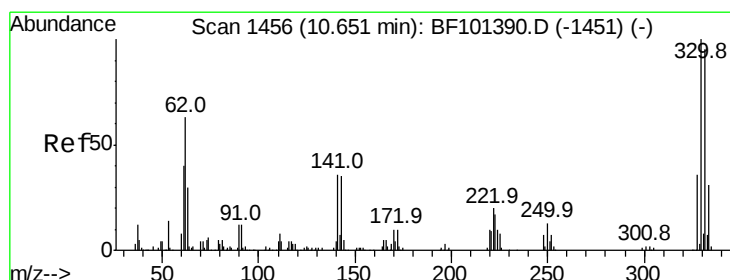
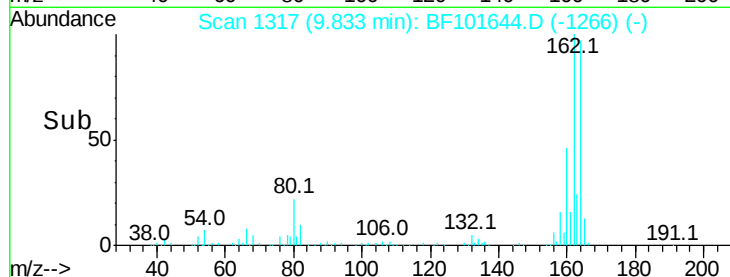
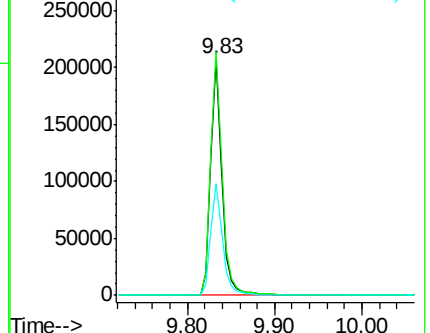
160 47.2 38.3 57.5



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: 66.266 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

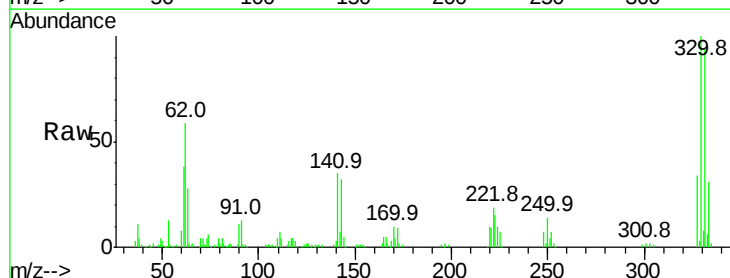
Tgt Ion:330 Resp: 121174

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

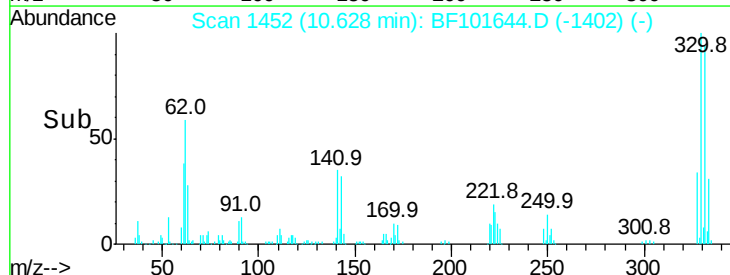
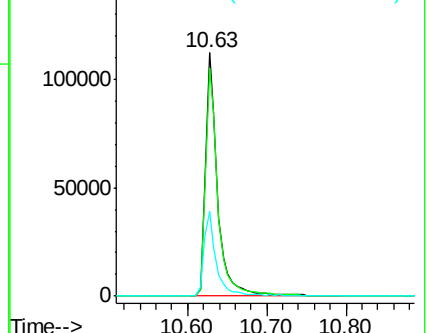
141 35.5 29.9 44.9



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

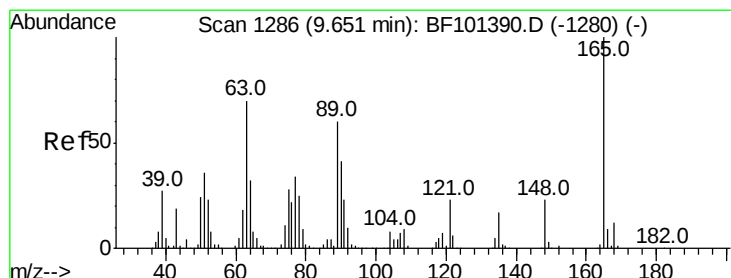
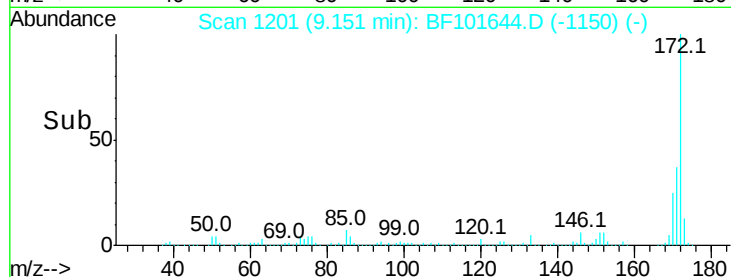
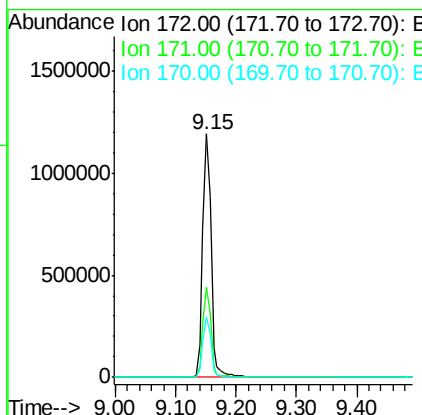
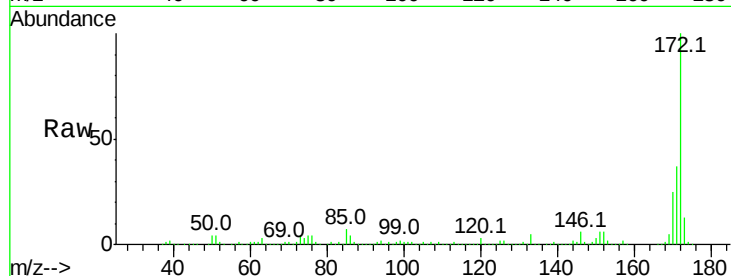




#44
2-Fluorobiphenyl
Concen: 95.827 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101644.D
Acq: 22 Dec 2017 9:22

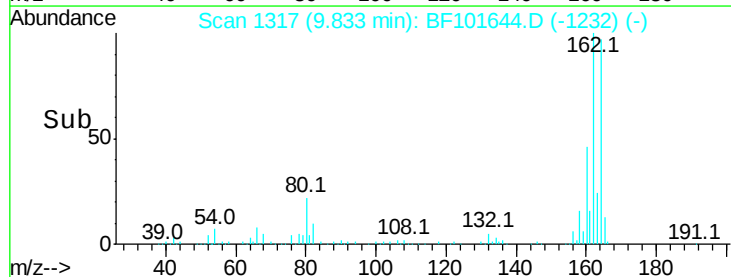
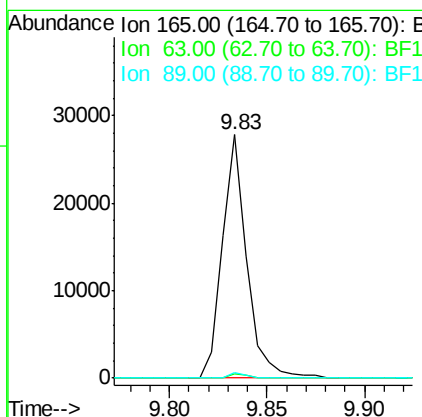
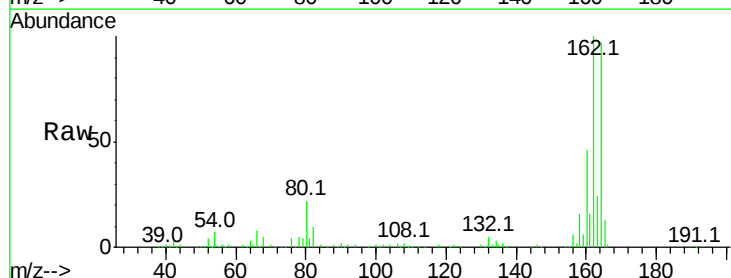
Instrument :
BNA_F
ClientSampleId :

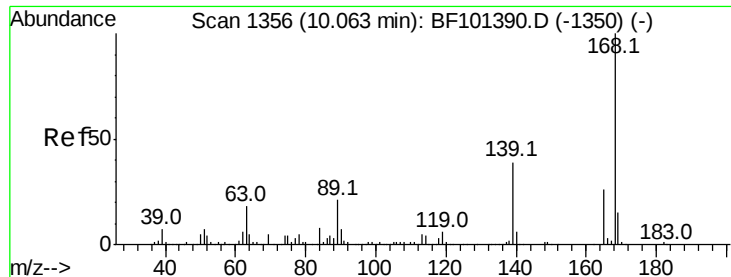
Tot Ion:172 Resp: 1172296
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 25.0 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 7.809 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF101644.D
Acq: 22 Dec 2017 9:22

Tgt Ion:165 Resp: 24226
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 2.2 44.0 66.0#

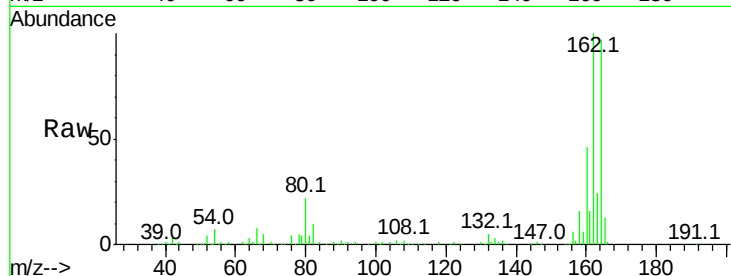




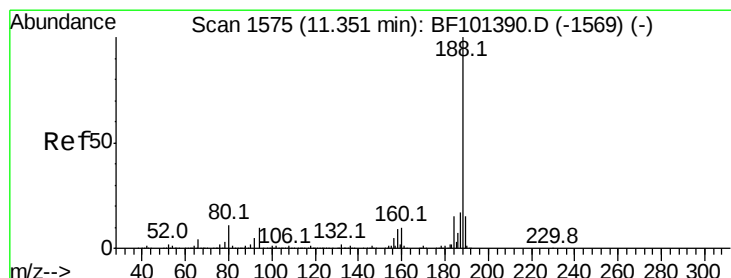
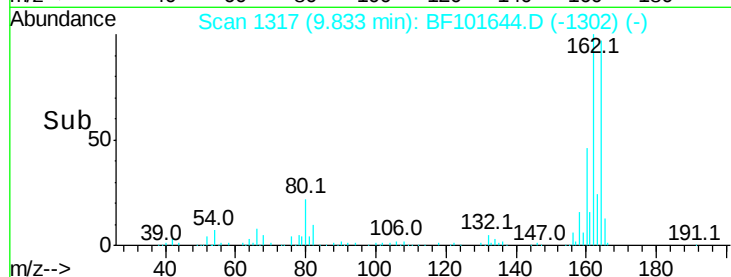
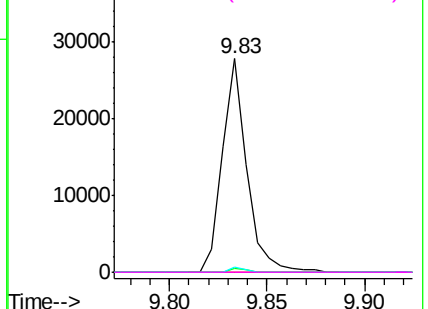
#56
2,4-Dinitrotoluene
Concen: 6.931 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF101644.D
Acq: 22 Dec 2017 9:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 24226
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 2.2 57.8 86.6#
182 0.0 1.6 2.4#

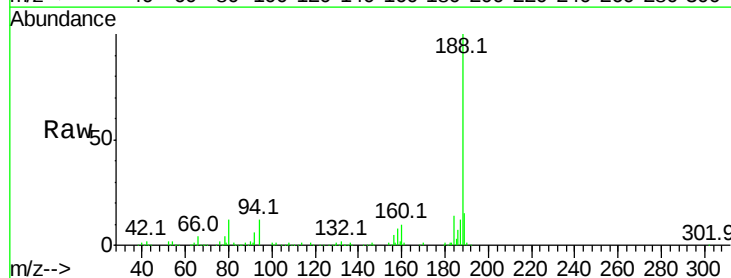


Abundance Ion 165.00 (164.70 to 165.70): E

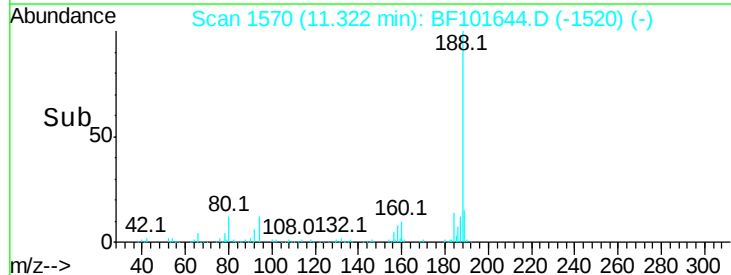
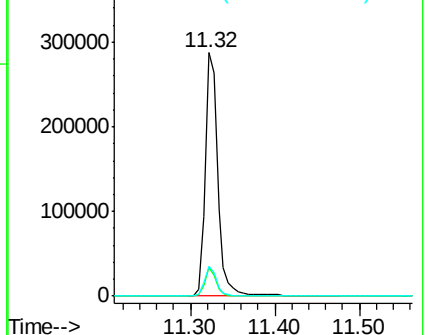


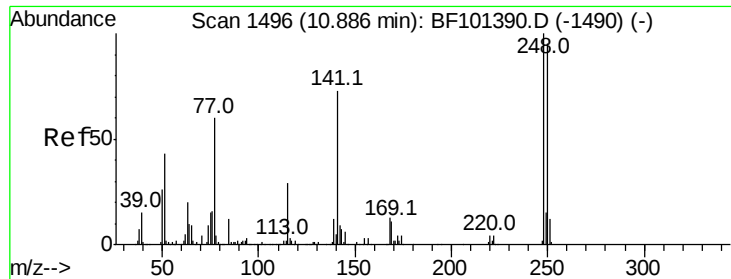
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101644.D
Acq: 22 Dec 2017 9:22

Tgt Ion:188 Resp: 297504
Ion Ratio Lower Upper
188 100
94 11.9 8.5 12.7
80 12.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

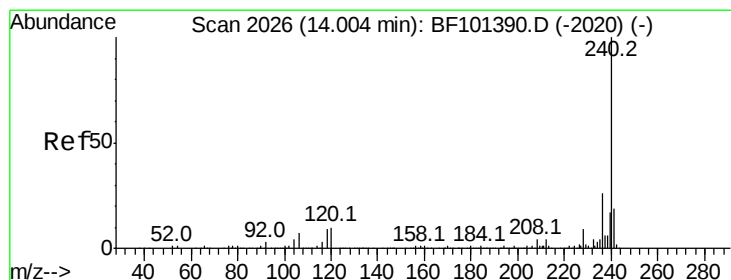
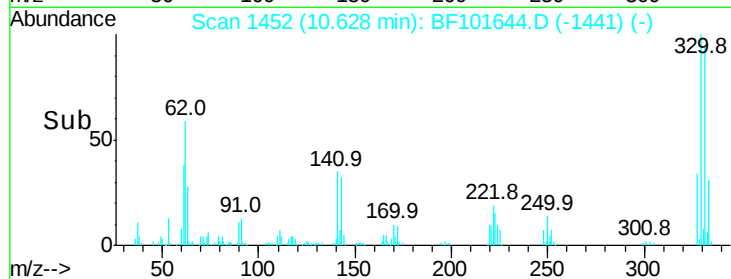
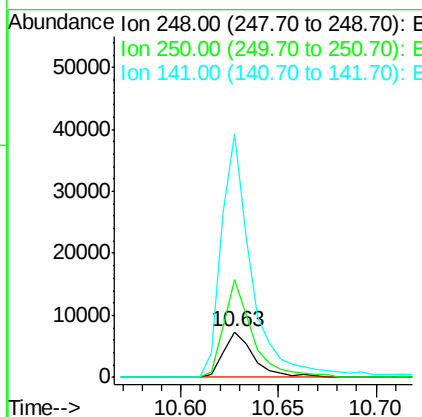
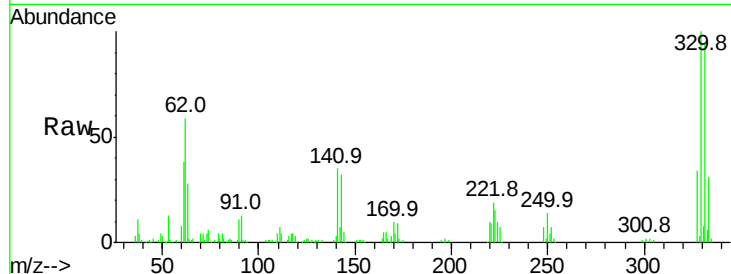




#66
 4-Bromophenyl-phenylether
 Concen: 2.375 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101644.D
 Acq: 22 Dec 2017 9:22

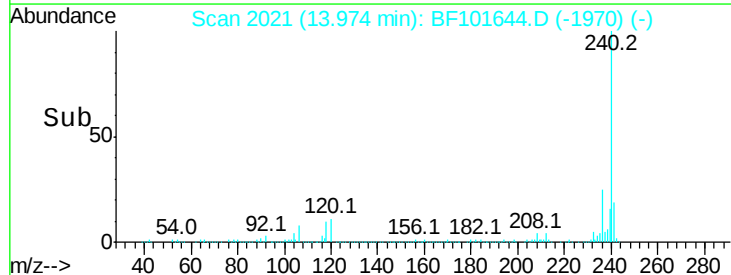
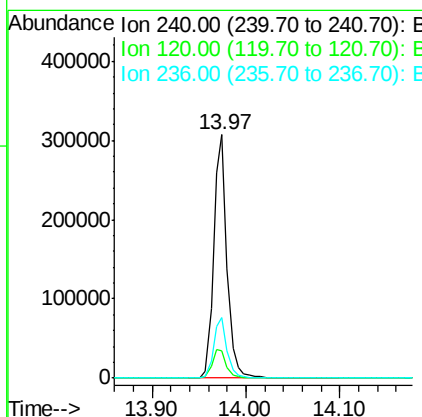
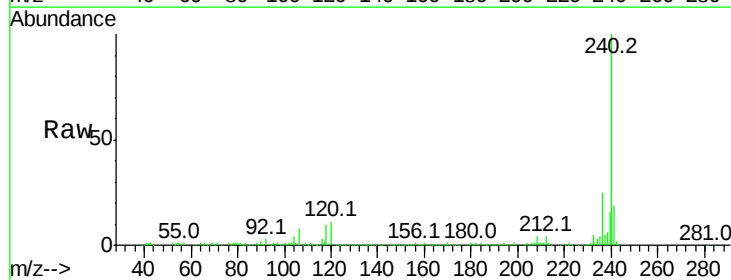
Instrument :
 BNA_F
 ClientSampled :

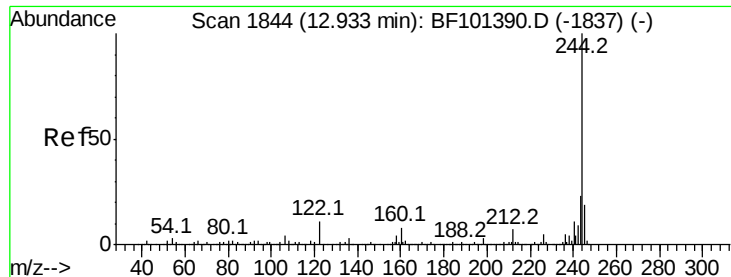
Tot Ion	Ratio	Lower	Upper
248	100		
250	212.6	76.9	115.3#
141	532.0	74.4	111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF101644.D
 Acq: 22 Dec 2017 9:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	25.1	20.7	31.1





#78

Terphenyl-d14

Concen: 67.657 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

Instrument :

BNA_F

ClientSampleId :

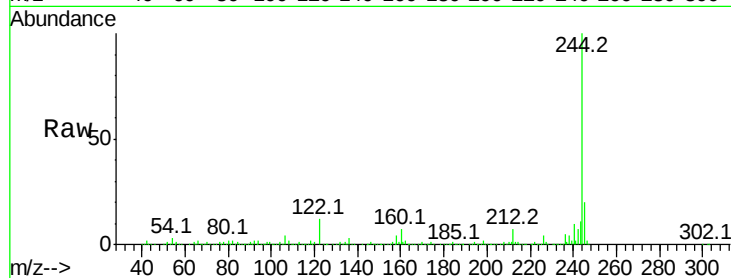
Tot Ion:244 Resp: 864078

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

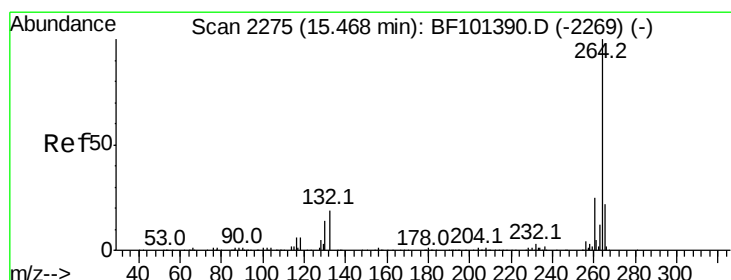
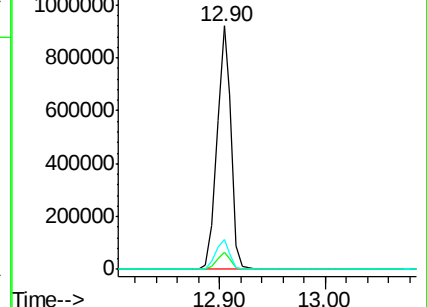
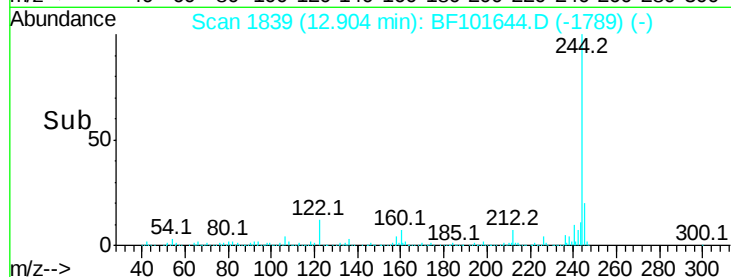
122 12.1 11.0 16.4



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: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101644.D

Acq: 22 Dec 2017 9:22

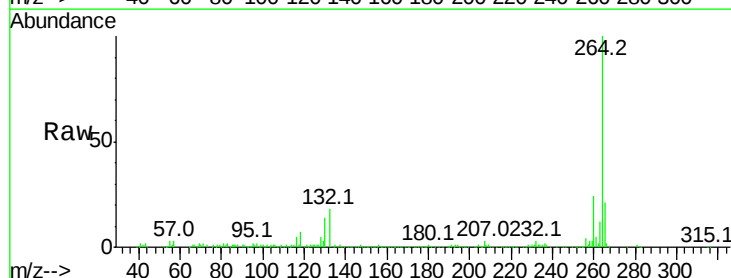
Tgt Ion:264 Resp: 235253

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.9 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

