

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103806.D
 Acq On : 20 Mar 2018 17:05
 Operator : JU/SJ
 Sample : J1983-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:55:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	153217	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	621863	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	280981	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	451932	20.00	ng	0.00
75) Chrysene-d12	14.16	240	297619	20.00	ng	0.00
86) Perylene-d12	15.70	264	269339	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	962609	95.56	ng	0.02
7) Phenol-d6	6.59	99	1211014	98.26	ng	0.00
23) Nitrobenzene-d5	7.53	82	718242	80.54	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	238748	98.82	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1123251	63.77	ng	0.00
78) Terphenyl-d14	13.10	244	849177	66.23	ng	0.01

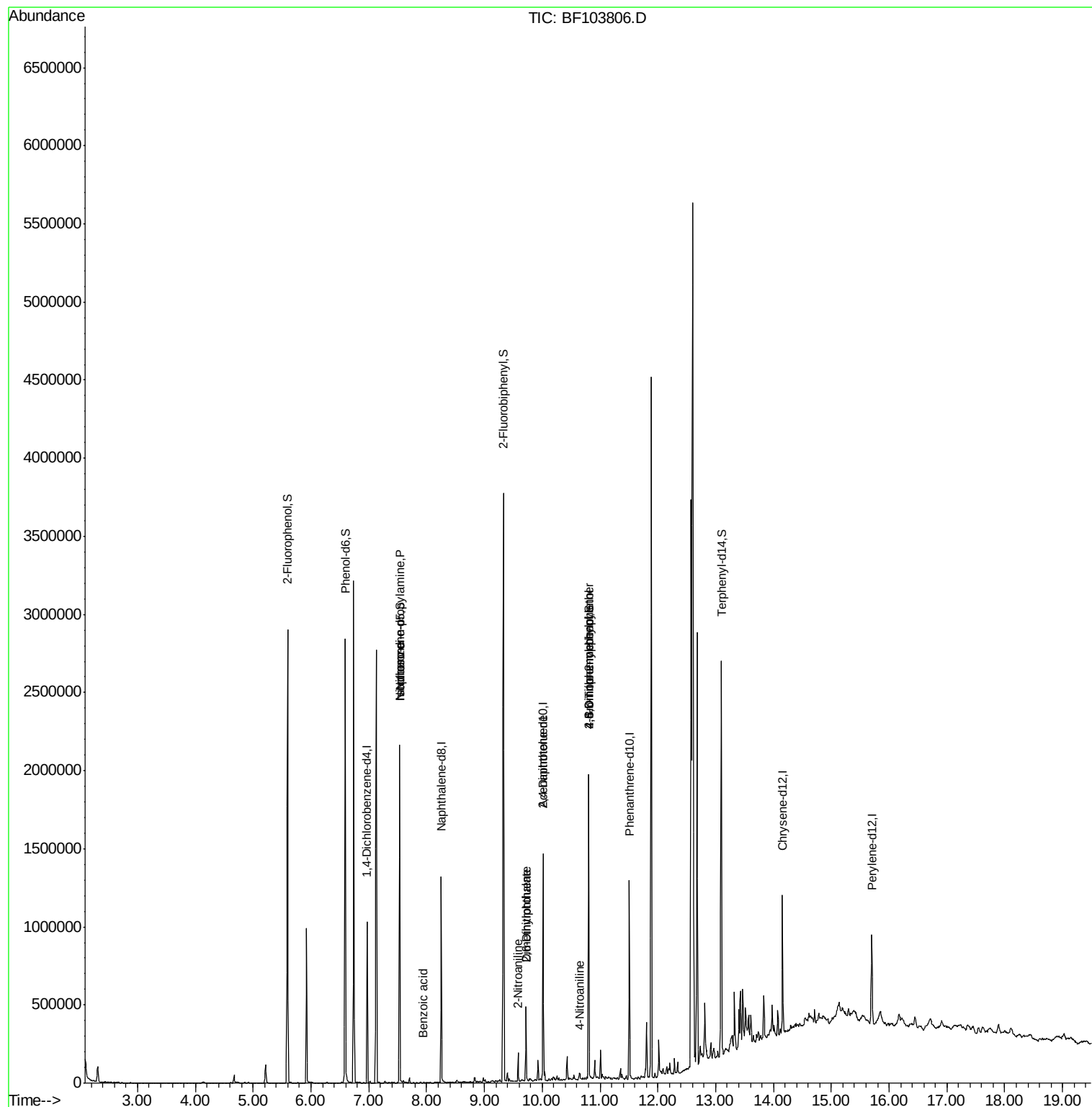
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	92732	11.741	ng	# 74
25) Isophorone	7.53	82	718237	34.793	ng	# 64
32) Benzoic acid	7.93	122	121	9.921	ng	# 90
47) 2-Nitroaniline	9.58	65	292	6.866	ng	# 33
49) Dimethylphthalate	9.72	163	157582	7.351	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	1720	4.364	ng	# 15
56) 2,4-Dinitrotoluene	10.01	165	36284	12.226	ng	# 23
61) 4-Nitroaniline	10.66	138	106	3.770	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	518	8.460	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	14153	3.050	ng	# 1

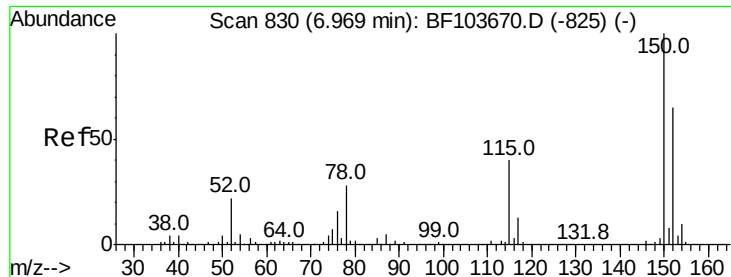
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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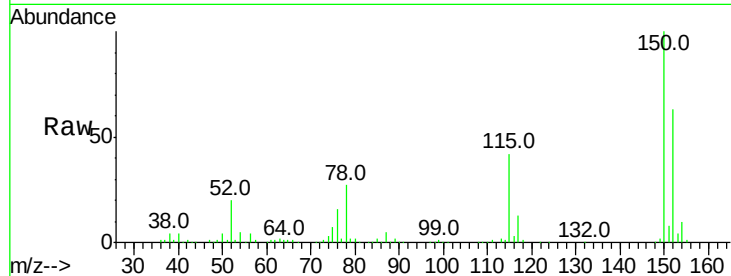


#1

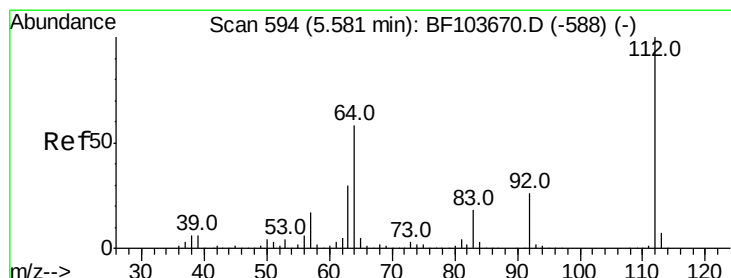
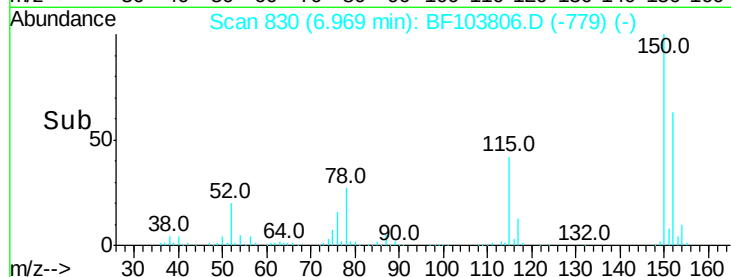
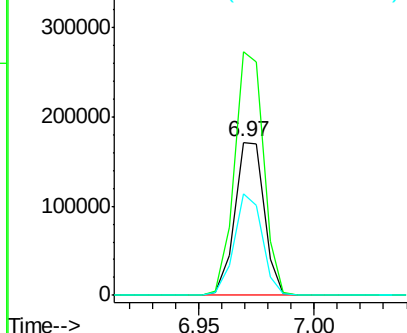
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103806.D
Acq: 20 Mar 2018 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153217
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 66.5 50.1 75.1



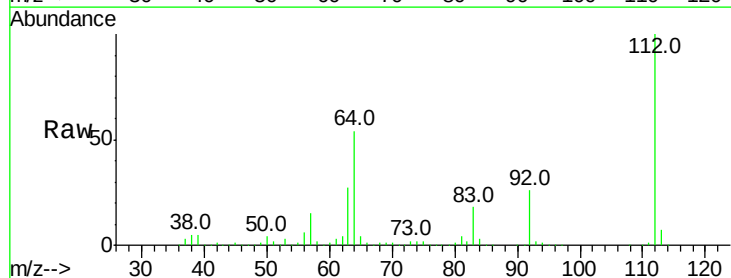
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



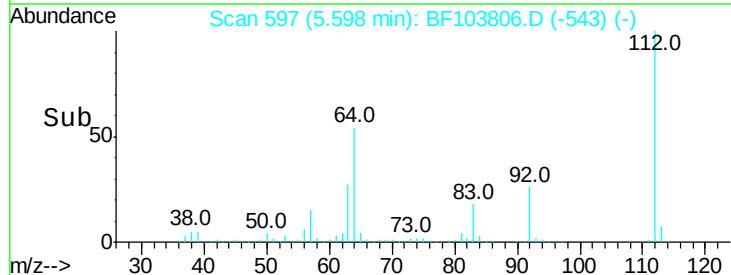
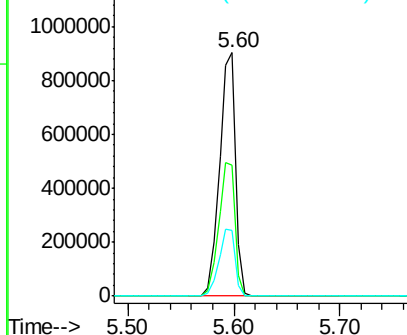
#5

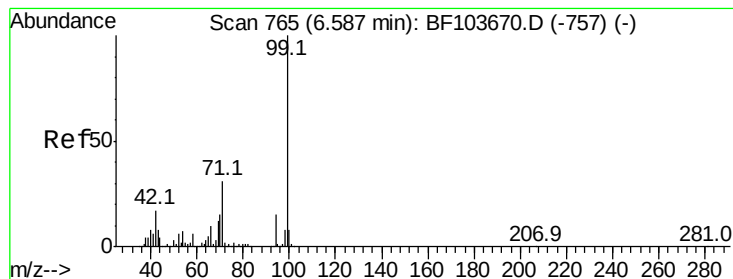
2-Fluorophenol
Concen: 95.559 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103806.D
Acq: 20 Mar 2018 17:05

Tgt Ion:112 Resp: 962609
Ion Ratio Lower Upper
112 100
64 53.8 47.9 71.9
63 26.8 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: 98.263 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Instrument :

BNA_F

ClientSampled :

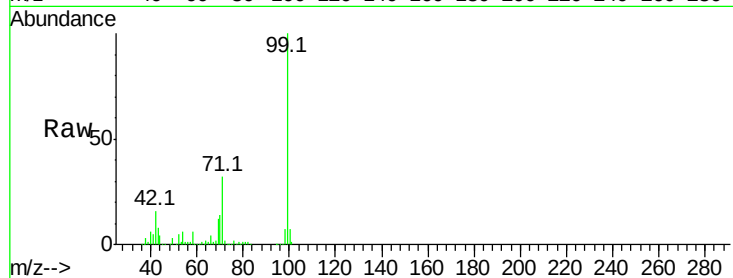
Tot Ion: 99 Resp: 1211014

Ion Ratio Lower Upper

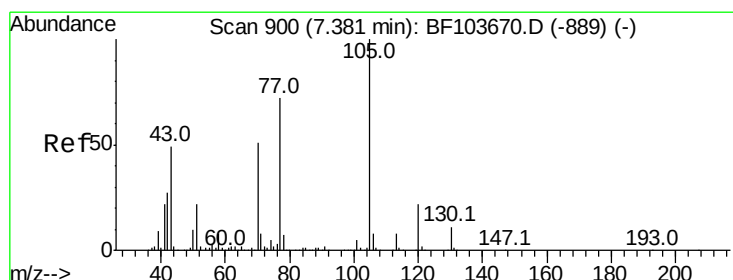
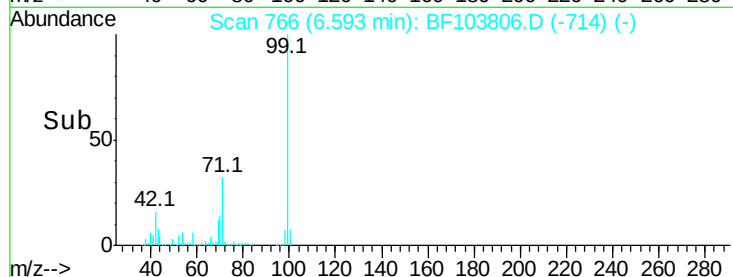
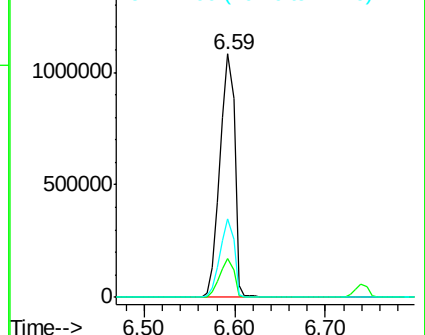
99 100

42 15.8 14.5 21.7

71 32.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.741 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Tgt Ion: 70 Resp: 92732

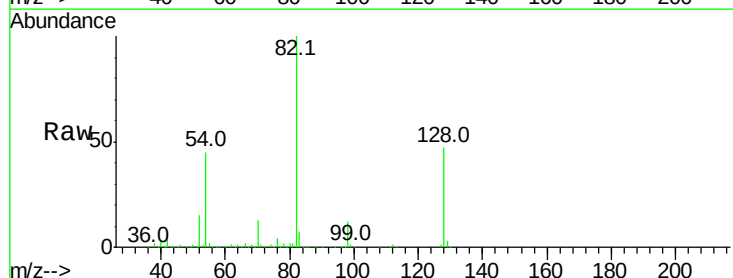
Ion Ratio Lower Upper

70 100

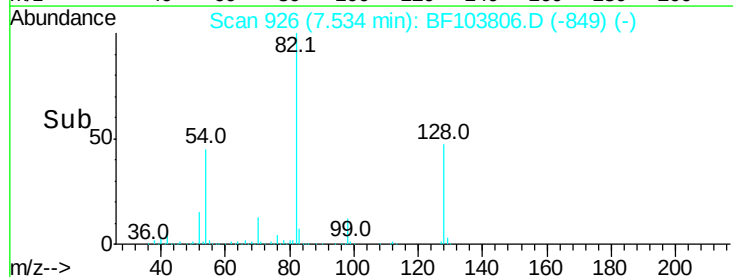
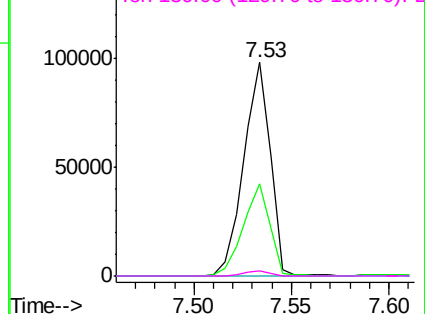
42 43.4 47.5 71.3#

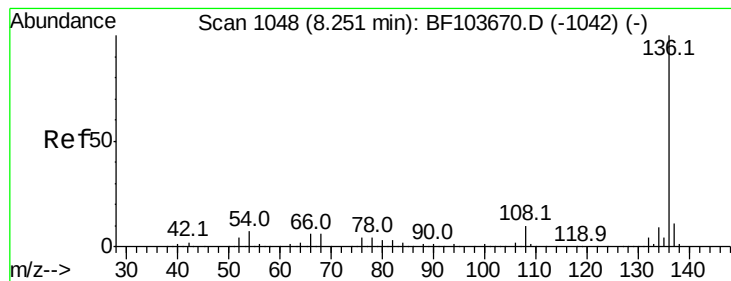
101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 621863

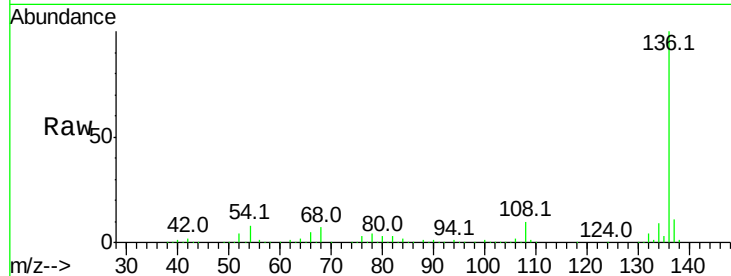
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.8 6.6 9.8

68 7.0 5.0 7.4

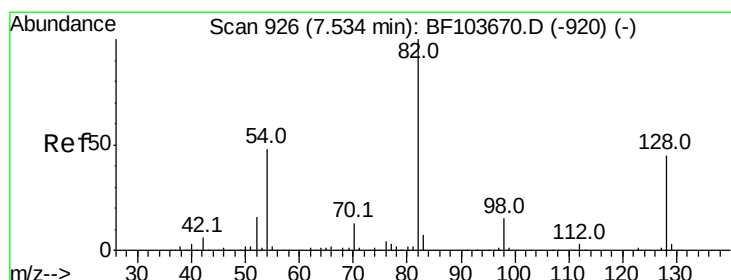
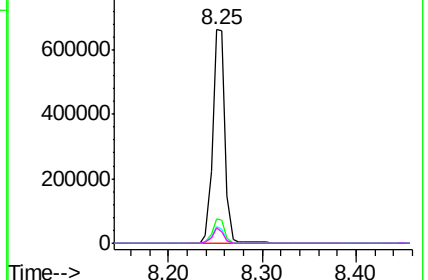
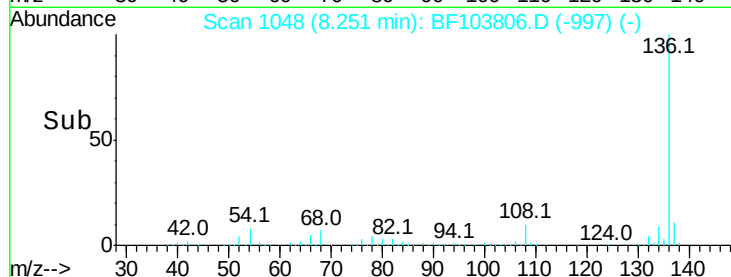


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 80.544 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

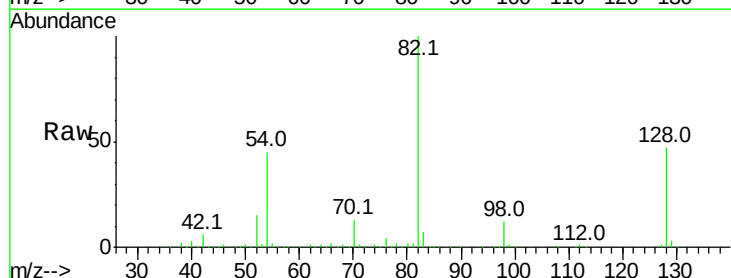
Tgt Ion: 82 Resp: 718242

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

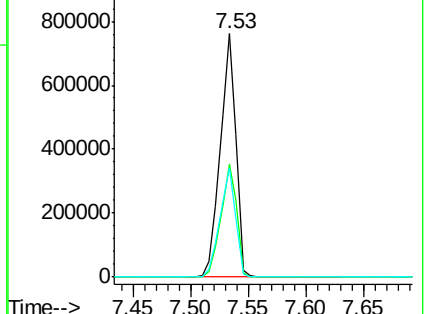
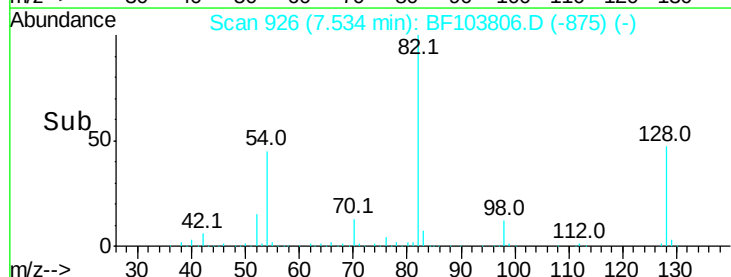
54 45.0 41.4 62.2

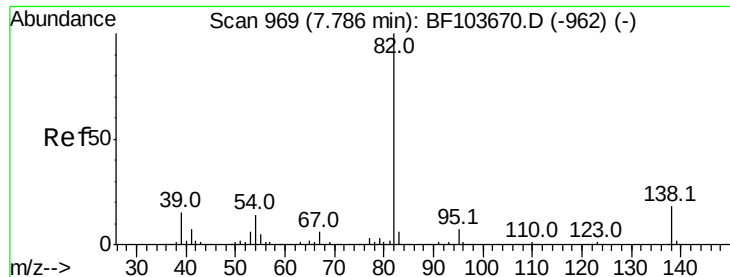


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.793 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Instrument :

BNA_F

ClientSampled :

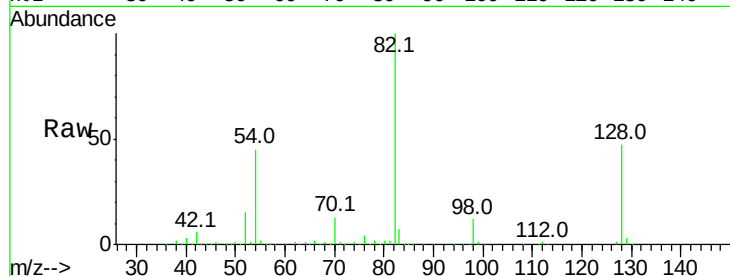
Tot Ion: 82 Resp: 718237

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

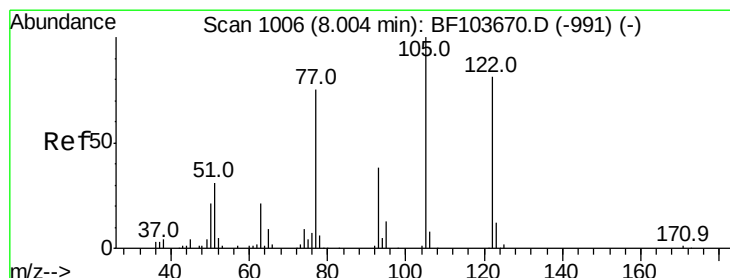
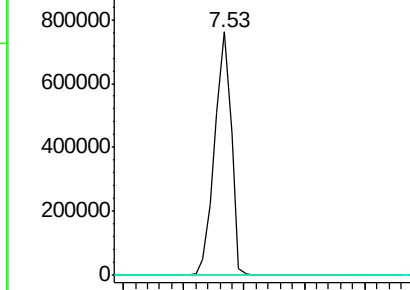
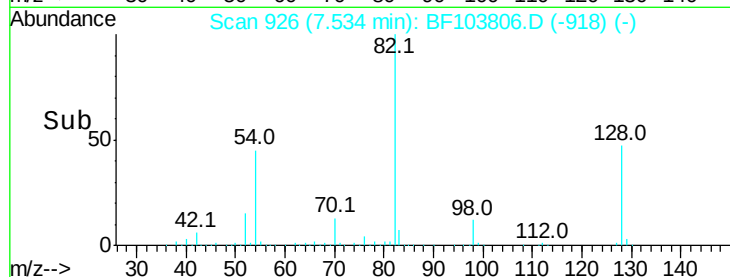
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 9.921 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.07 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

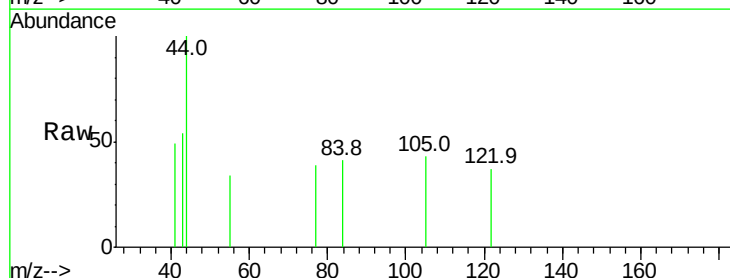
Tgt Ion:122 Resp: 121

Ion Ratio Lower Upper

122 100

105 116.3 101.1 141.1

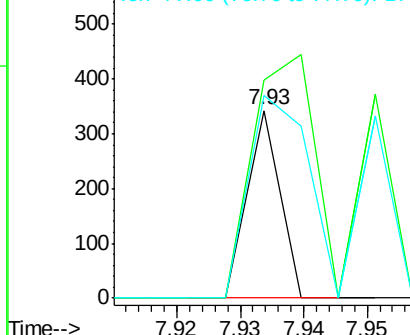
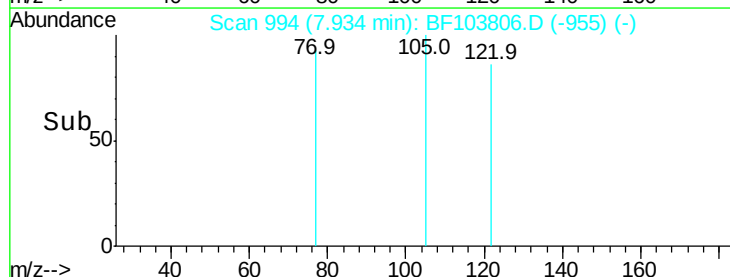
77 107.9 70.7 110.7

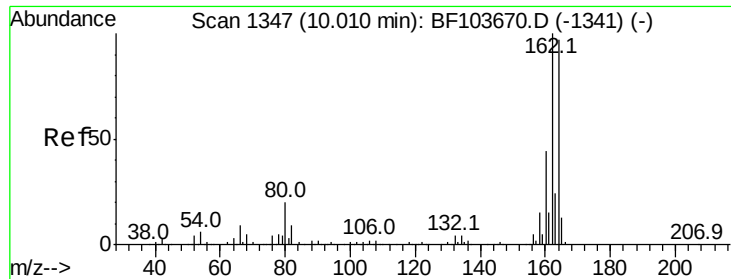


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Instrument :

BNA_F

ClientSampleId :

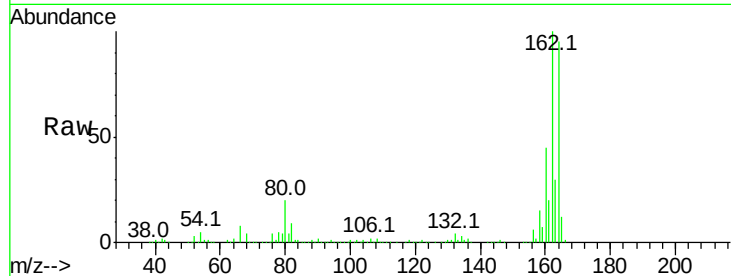
Tot Ion:164 Resp: 280981

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

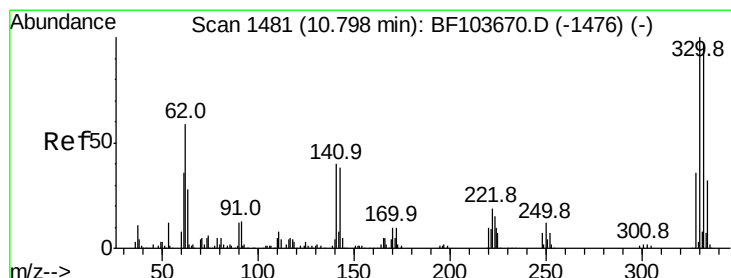
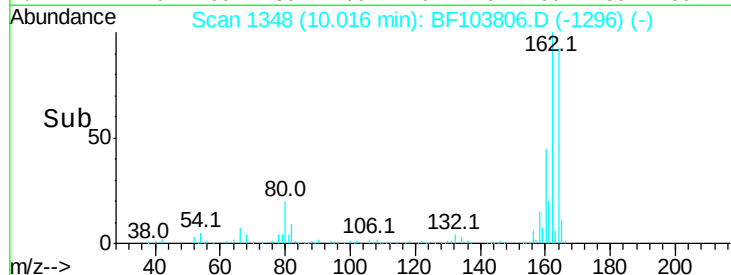
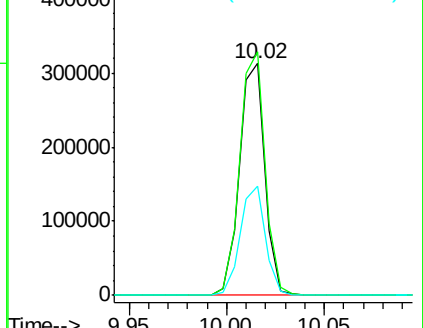
160 47.0 38.3 57.5



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: 98.824 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

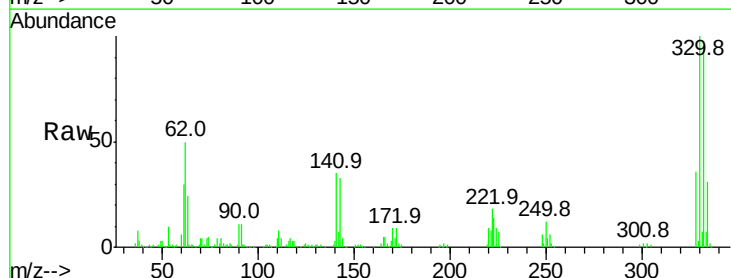
Tgt Ion:330 Resp: 238748

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

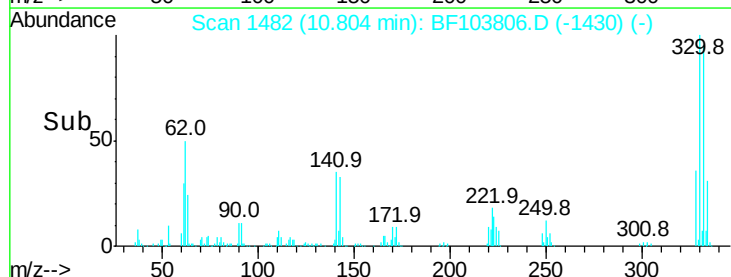
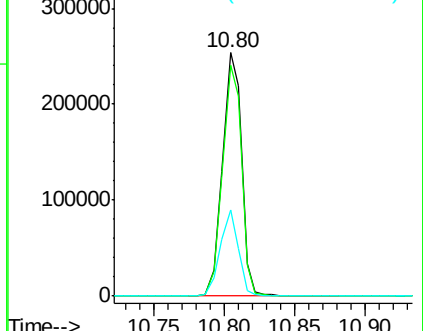
141 33.8 29.9 44.9

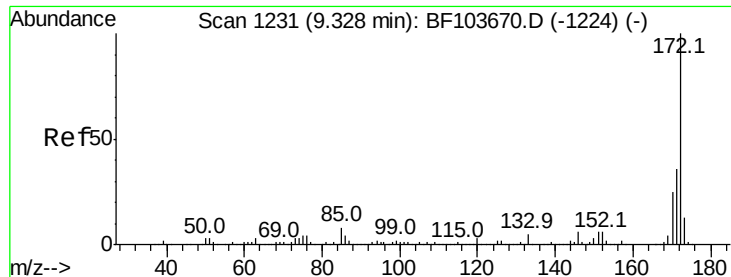


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

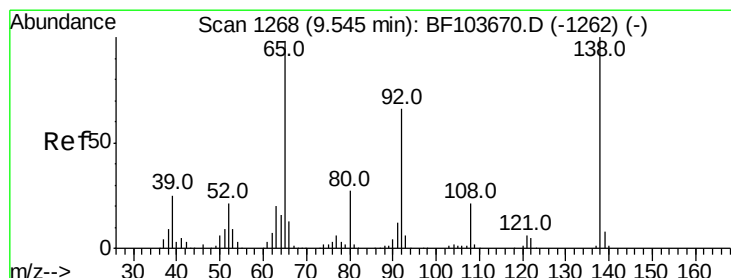
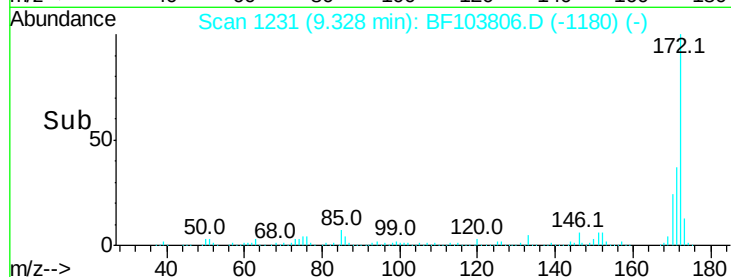
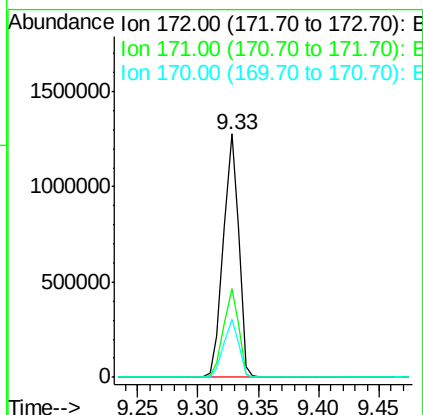
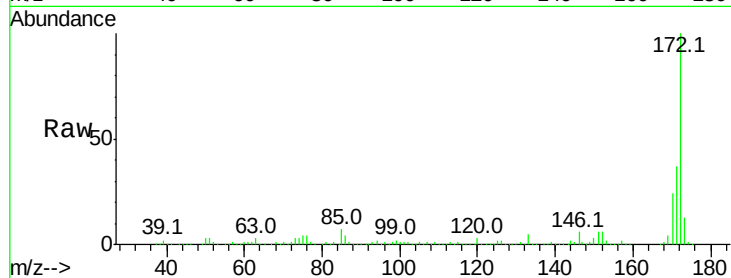




#44
2-Fluorobiphenyl
Concen: 63.768 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103806.D
Acq: 20 Mar 2018 17:05

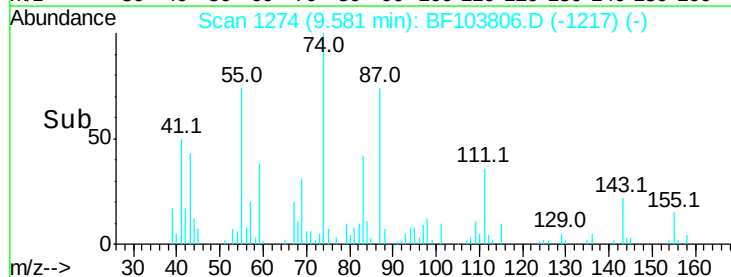
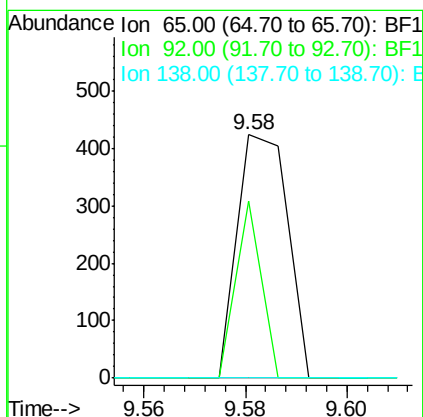
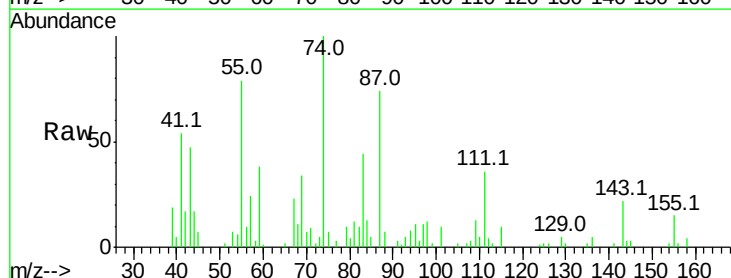
Instrument :
BNA_F
ClientSampleId :

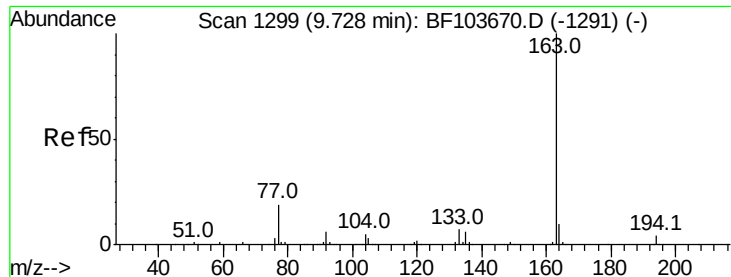
Tot Ion:172 Resp: 1123251
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.1 19.6 29.4



#47
2-Nitroaniline
Concen: 6.866 ng
RT: 9.58 min Scan# 1274
Delta R.T. 0.04 min
Lab File: BF103806.D
Acq: 20 Mar 2018 17:05

Tgt Ion: 65 Resp: 292
Ion Ratio Lower Upper
65 100
92 72.9 55.8 83.6
138 0.0 91.2 136.8#

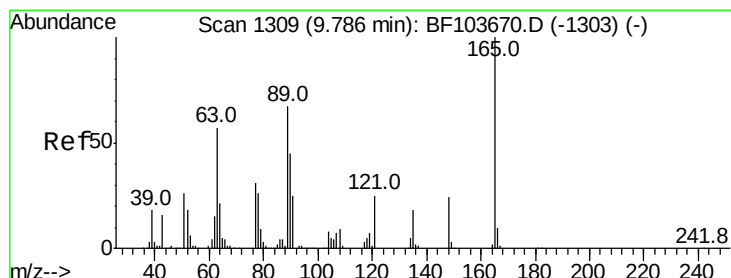
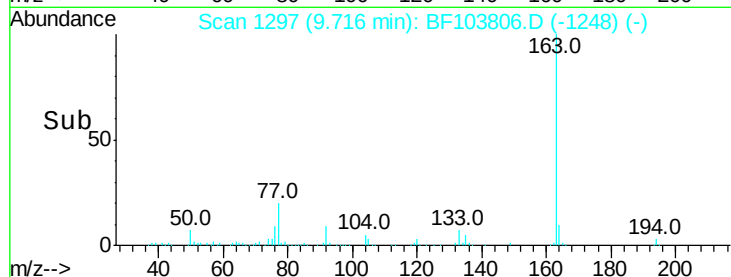
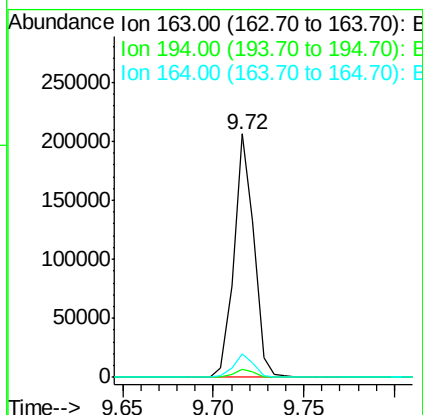
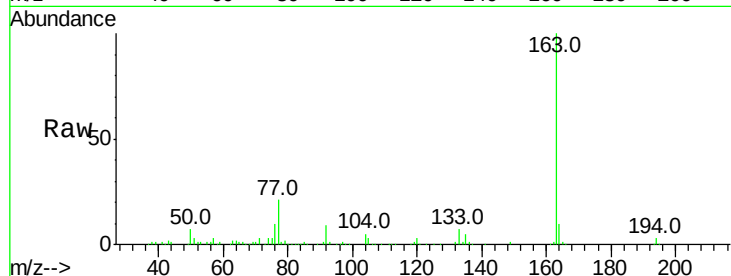




#49
Dimethylphthalate
Concen: 7.351 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103806.D
Acq: 20 Mar 2018 17:05

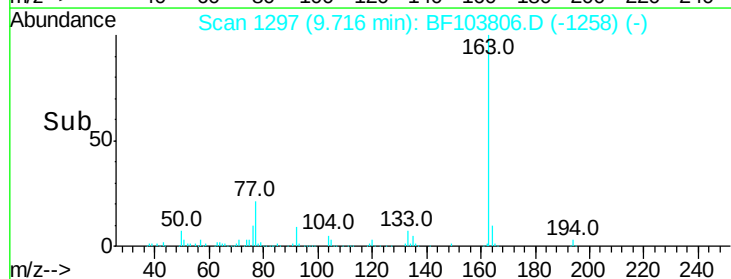
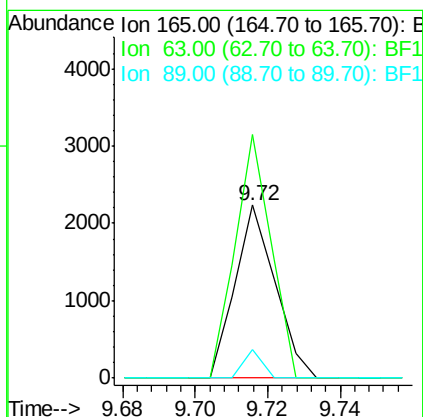
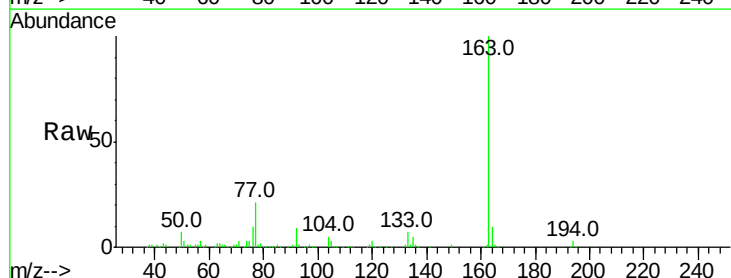
Instrument :
BNA_F
ClientSampled :

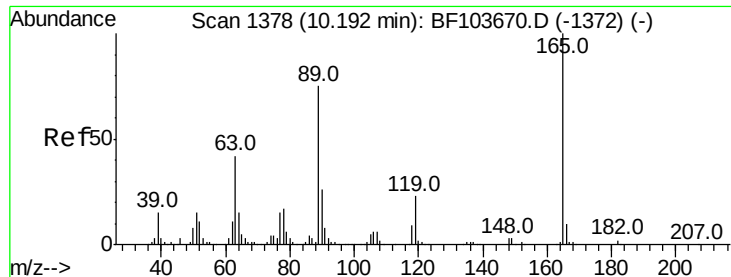
Tot Ion:163 Resp: 157582
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 4.364 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103806.D
Acq: 20 Mar 2018 17:05

Tgt Ion:165 Resp: 1720
Ion Ratio Lower Upper
165 100
63 140.9 44.7 67.1#
89 16.4 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 12.226 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 36284

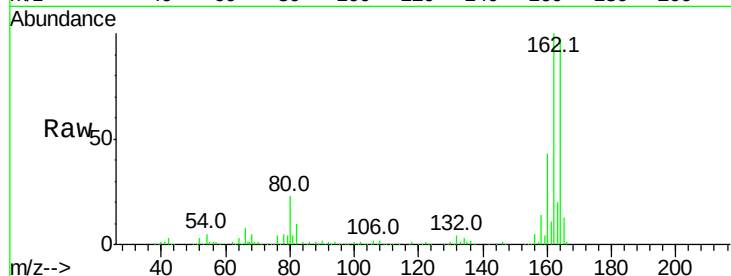
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

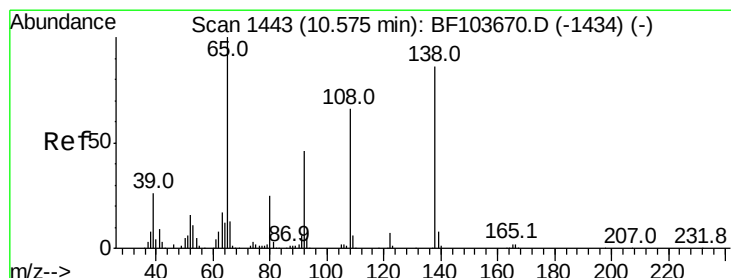
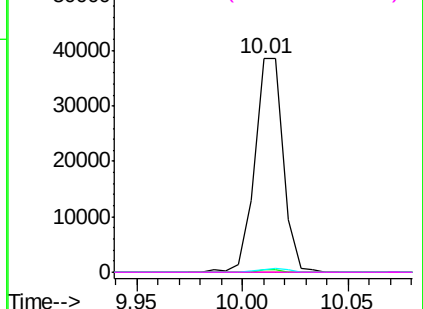
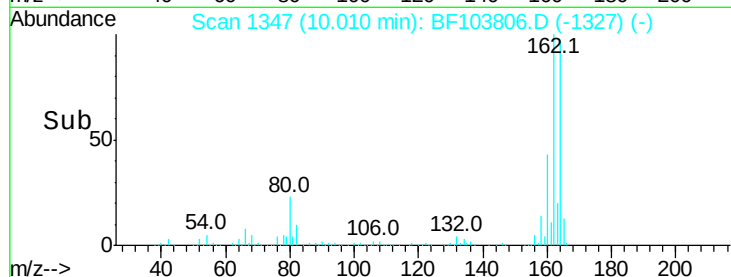


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#61

4-Nitroaniline

Concen: 3.770 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.08 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

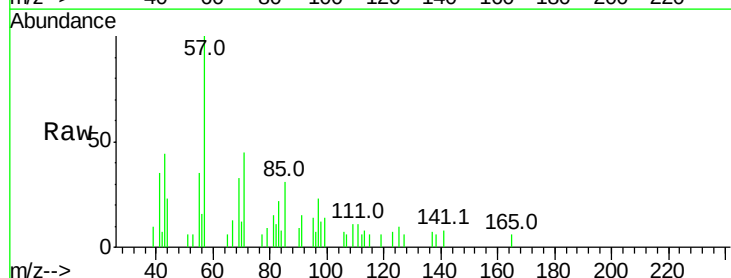
Tgt Ion:138 Resp: 106

Ion Ratio Lower Upper

138 100

92 0.0 30.2 70.2#

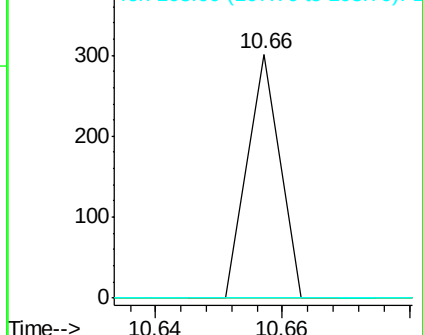
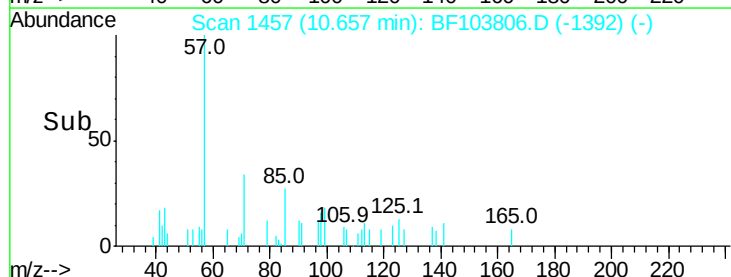
108 0.0 52.5 92.5#

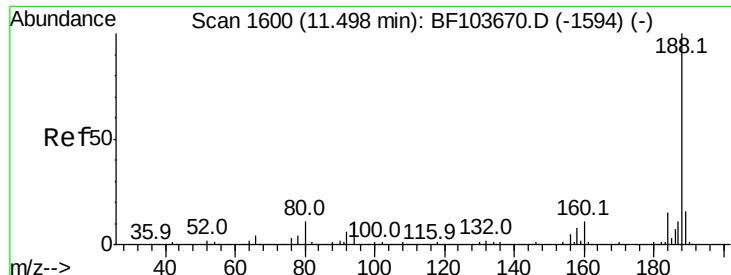


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

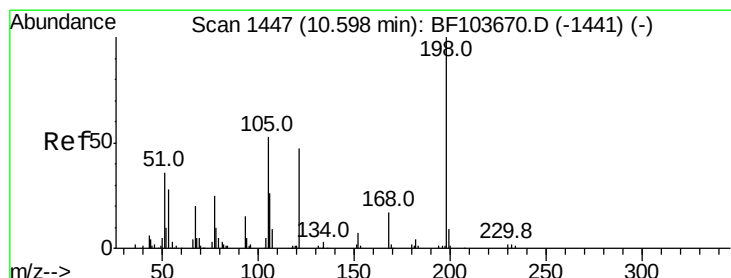
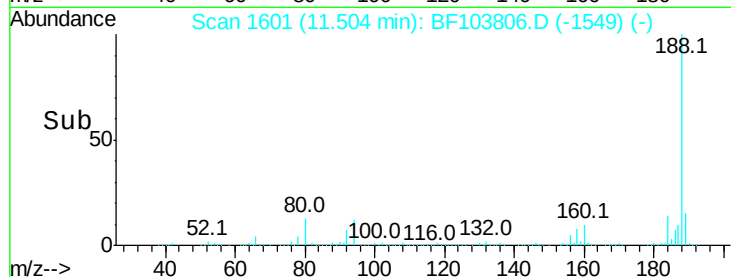
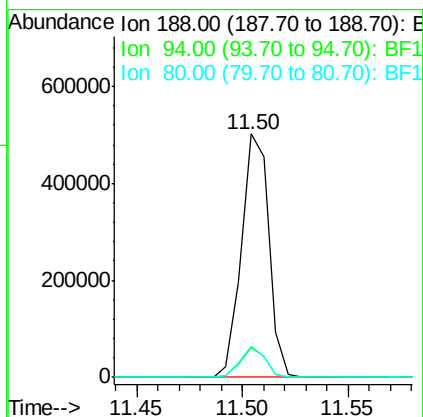
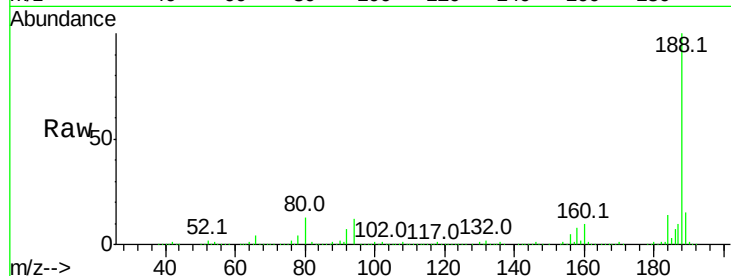




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103806.D
 Acq: 20 Mar 2018 17:05

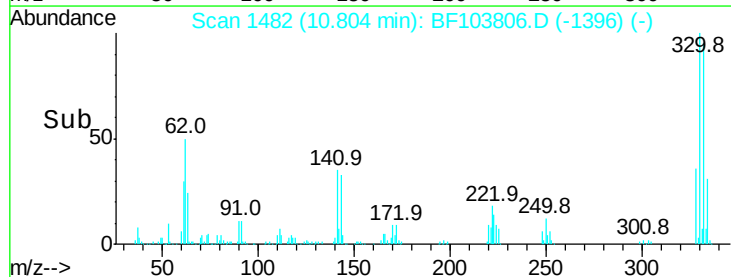
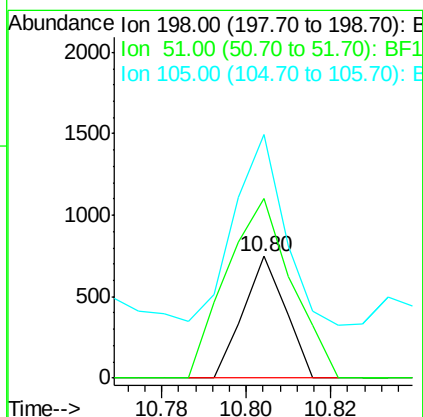
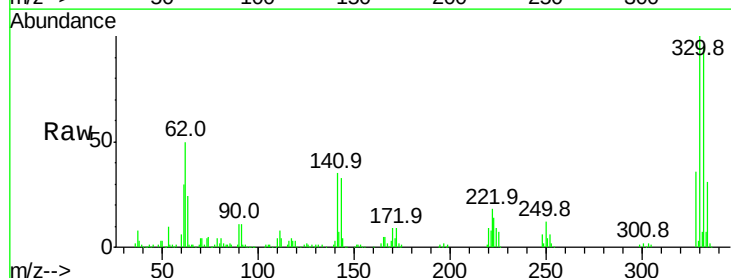
Instrument :
 BNA_F
 ClientSampleId :

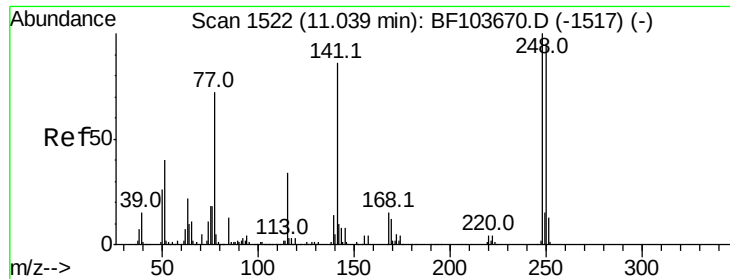
Tot Ion:188 Resp: 451932
 Ion Ratio Lower Upper
 188 100
 94 12.1 8.5 12.7
 80 13.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.460 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103806.D
 Acq: 20 Mar 2018 17:05

Tgt Ion:198 Resp: 518
 Ion Ratio Lower Upper
 198 100
 51 147.1 37.7 77.7#
 105 200.1 36.3 76.3#

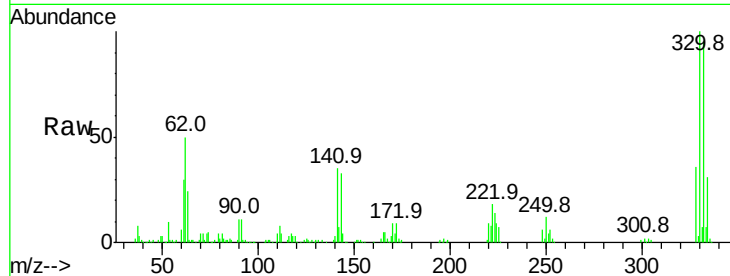




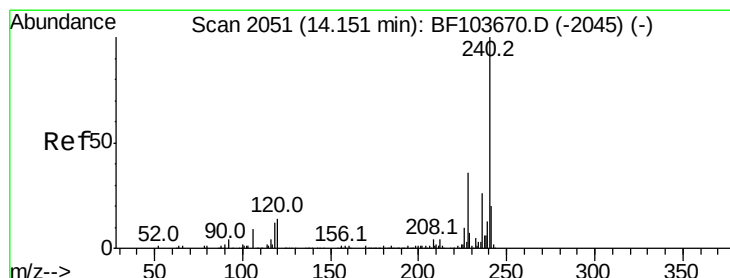
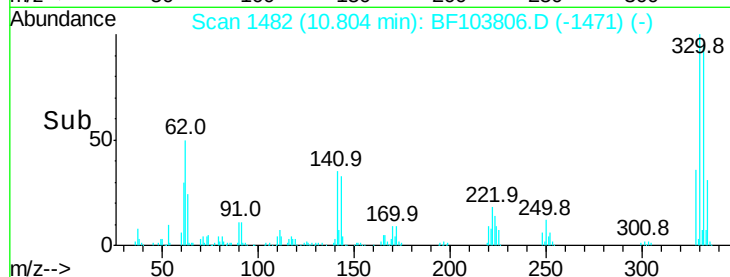
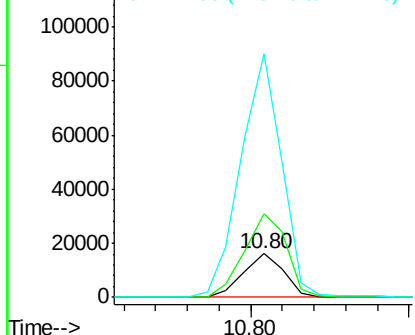
#66
 4-Bromophenyl-phenylether
 Concen: 3.050 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF103806.D
 Acq: 20 Mar 2018 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14153
 Ion Ratio Lower Upper
 248 100
 250 193.9 76.9 115.3#
 141 561.7 74.4 111.6#

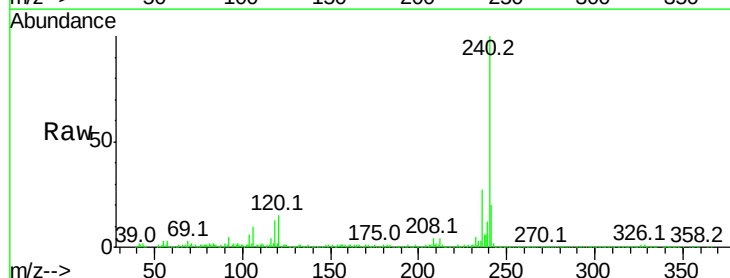


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

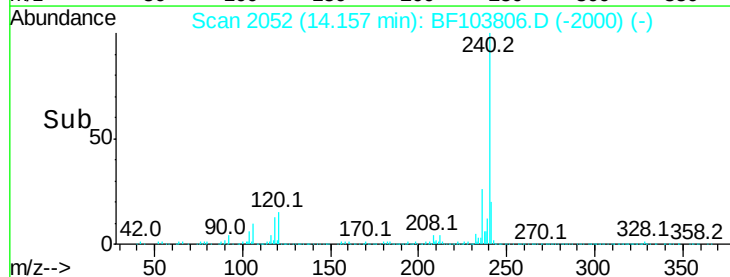
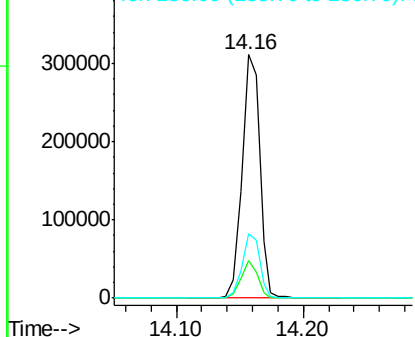


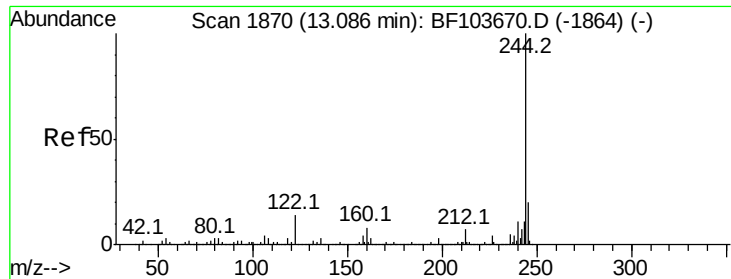
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF103806.D
 Acq: 20 Mar 2018 17:05

Tgt Ion:240 Resp: 297619
 Ion Ratio Lower Upper
 240 100
 120 15.3 9.5 14.3#
 236 26.5 20.7 31.1



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





#78

Terphenyl-d14

Concen: 66.228 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

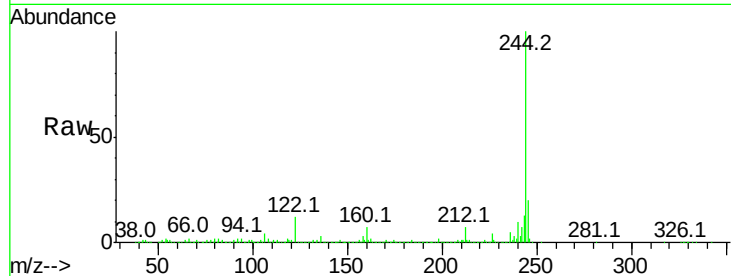
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 849177

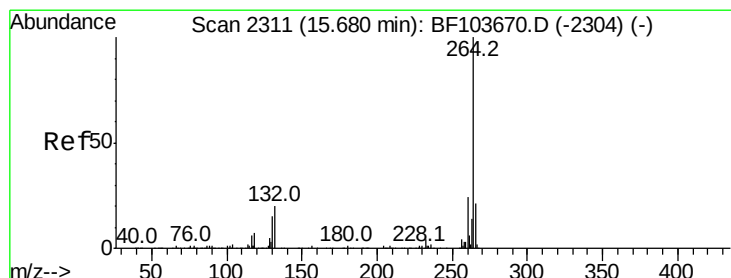
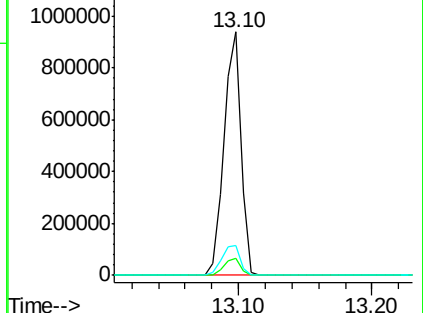
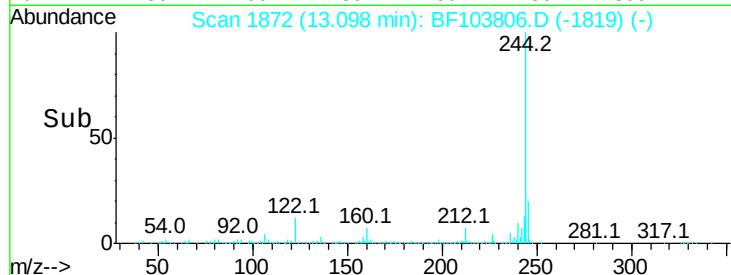
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4



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: 15.70 min Scan# 2314

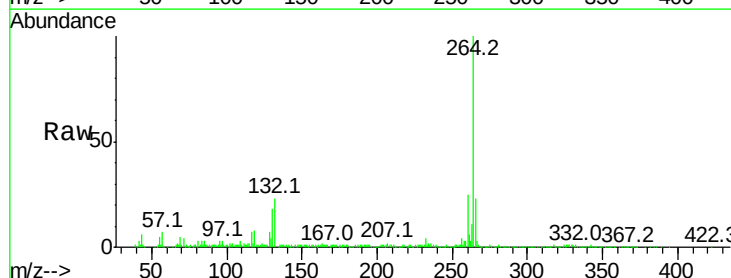
Delta R.T. 0.02 min

Lab File: BF103806.D

Acq: 20 Mar 2018 17:05

Tgt Ion:264 Resp: 269339

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.7	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

