

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010218\
 Data File : BF101853.D
 Acq On : 2 Jan 2018 16:11
 Operator : SJ/JU
 Sample : I7092-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 02 16:49:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	138956	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	548151	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	222174	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	356614	20.00	ng	0.00
75) Chrysene-d12	13.96	240	264285	20.00	ng	-0.01
86) Perylene-d12	15.43	264	278613	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1039991	111.48	ng	0.02
7) Phenol-d6	6.45	99	1218161	104.93	ng	0.01
23) Nitrobenzene-d5	7.35	82	795755	80.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	234171	109.38	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1219064	85.12	ng	0.00
78) Terphenyl-d14	12.89	244	880763	80.34	ng	0.00

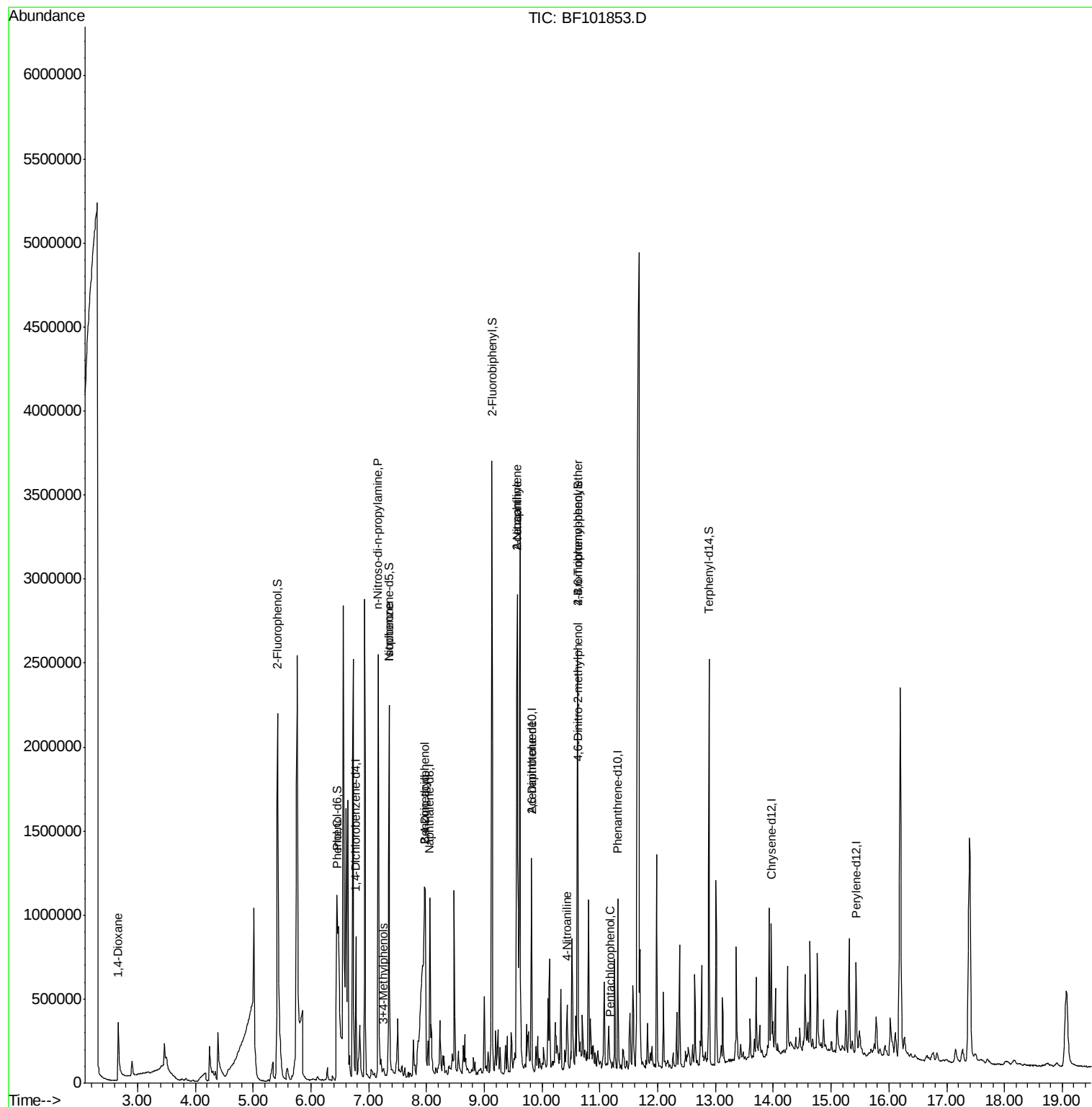
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.66	88	36037	7.518	ng	# 1
10) Phenol	6.46	94	67380	5.092	ng	# 73
19) n-Nitroso-di-n-propylamine	7.16	70	218970	28.720	ng	# 52
20) 3+4-Methylphenols	7.25	107	20841	2.179	ng	# 89
25) Isophorone	7.35	82	795755	40.283	ng	# 64
27) 2,4-Dimethylphenol	7.98	122	625260	78.607	ng	# 4
32) Benzoic acid	7.98	122	650581	109.215	ng	# 97
47) 2-Nitroaniline	9.57	65	428751	82.323	ng	# 9
48) Acenaphthylene	9.57	152	630965	26.497	ng	# 78
50) 2,6-Dinitrotoluene	9.82	165	28714	7.906	ng	# 28
61) 4-Nitroaniline	10.43	138	91785	20.165	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	14896	8.185	ng	# 53
66) 4-Bromophenyl-phenylether	10.62	248	14366	3.585	ng	# 1
69) Pentachlorophenol	11.19	266	115	6.621	ng	# 19

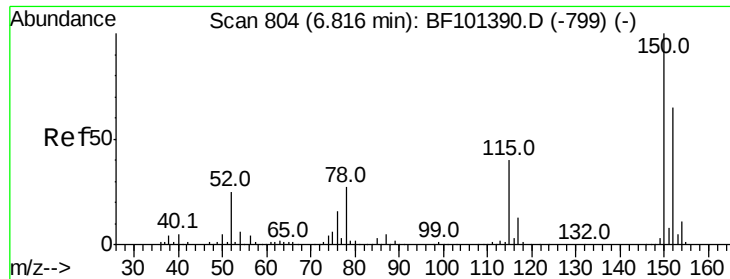
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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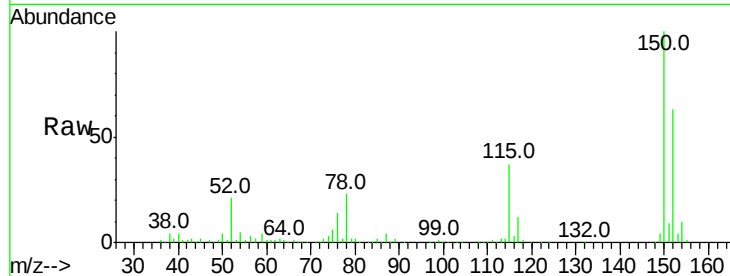


#1

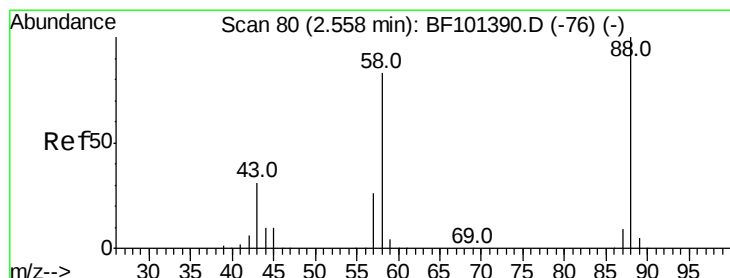
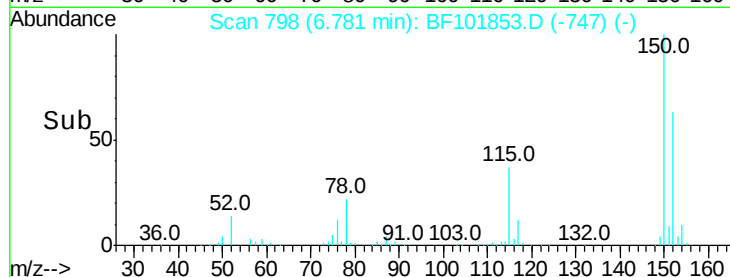
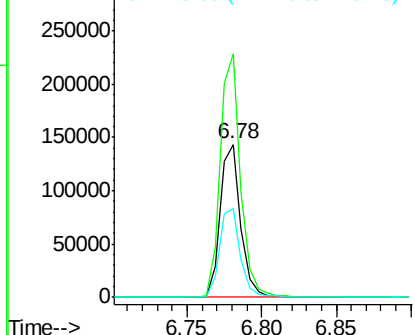
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF101853.D
Acq: 2 Jan 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	58.4	50.1	75.1



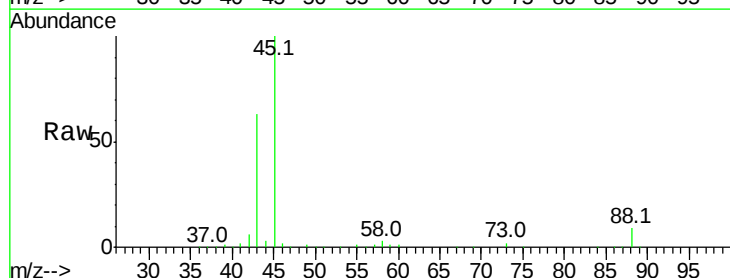
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



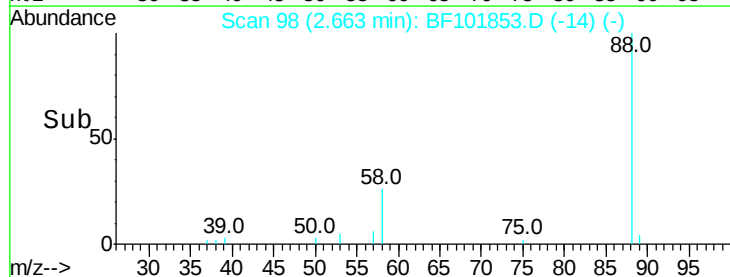
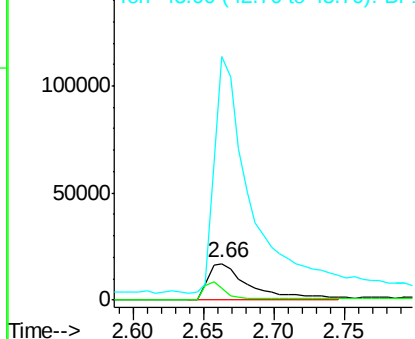
#2

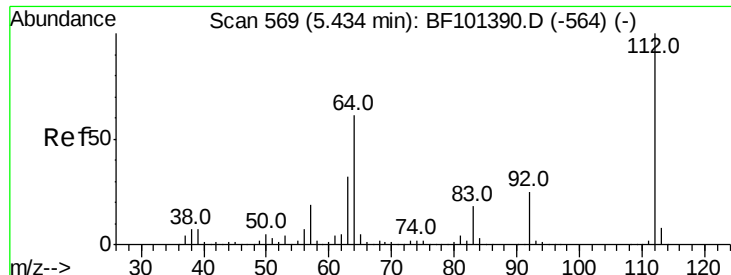
1,4-Dioxane
Concen: 7.518 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.19 min
Lab File: BF101853.D
Acq: 2 Jan 2018 16:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.7	62.6	93.8#
43	561.8	24.6	37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 111.485 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.02 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :
BNA_F
ClientSampleId :

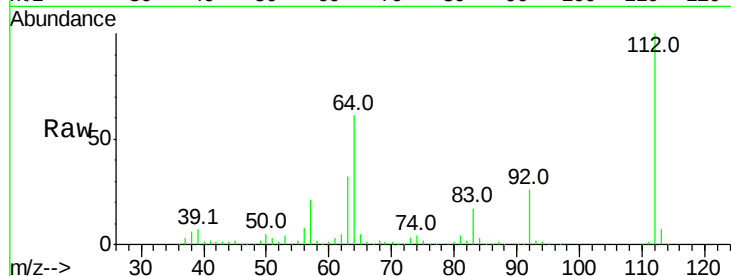
Tot Ion:112 Resp: 1039991

Ion Ratio Lower Upper

112 100

64 61.0 47.9 71.9

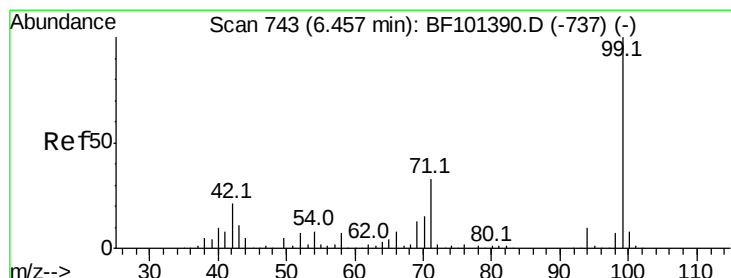
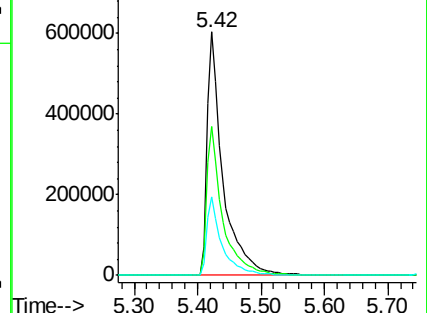
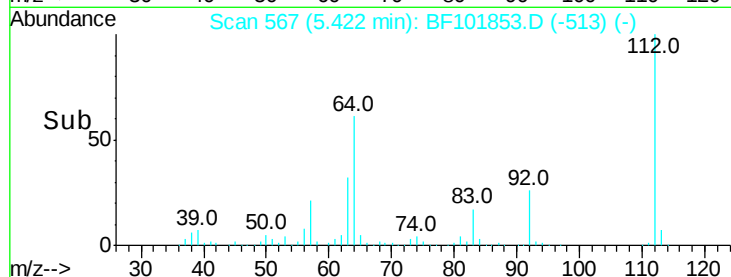
63 32.3 23.7 35.5



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: 104.926 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

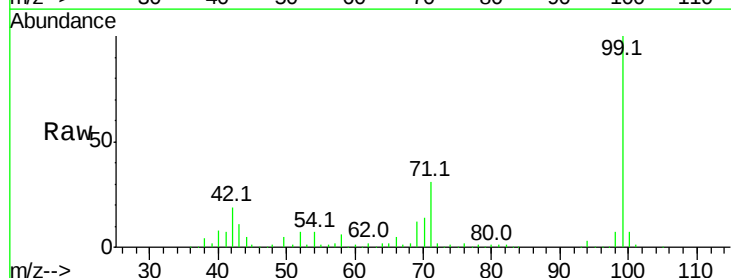
Tgt Ion: 99 Resp: 1218161

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

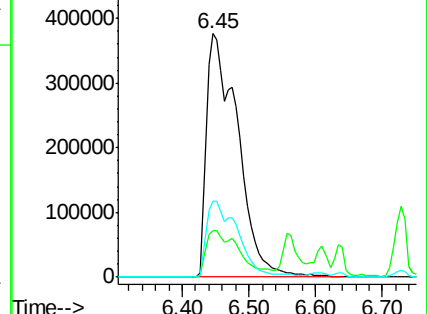
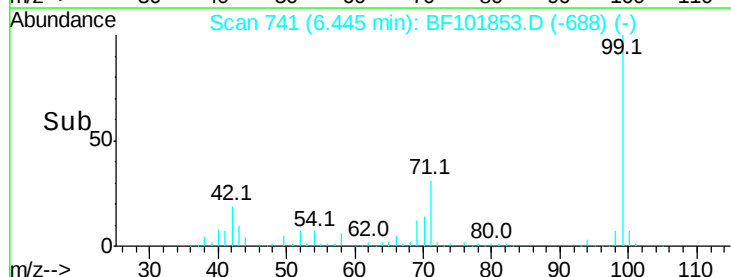
71 30.9 25.4 38.0

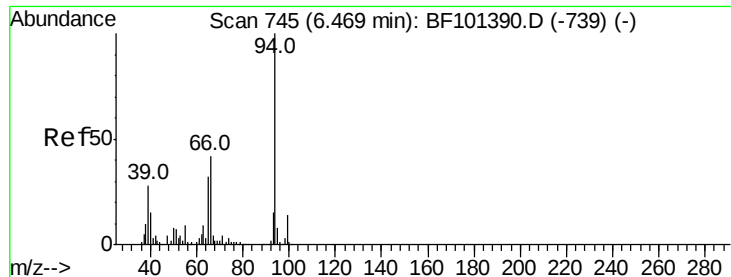


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 5.092 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :

BNA_F

ClientSampled :

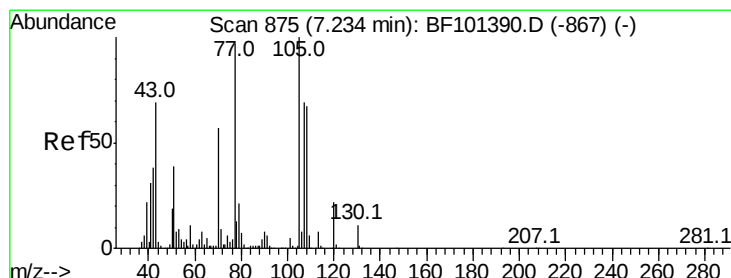
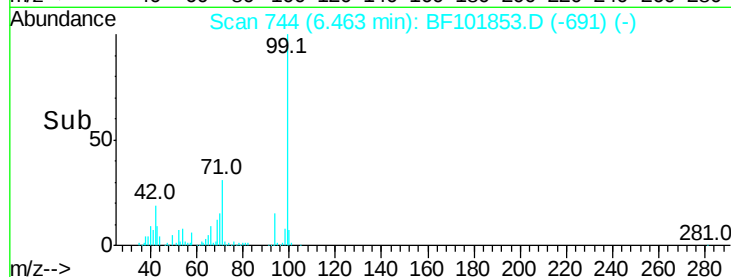
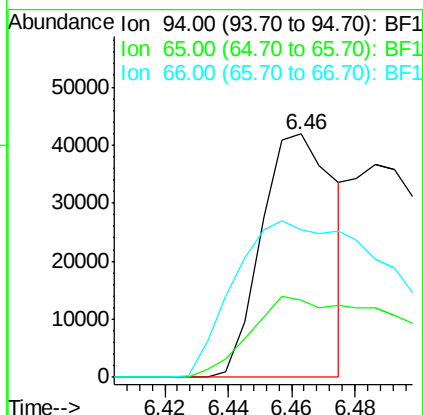
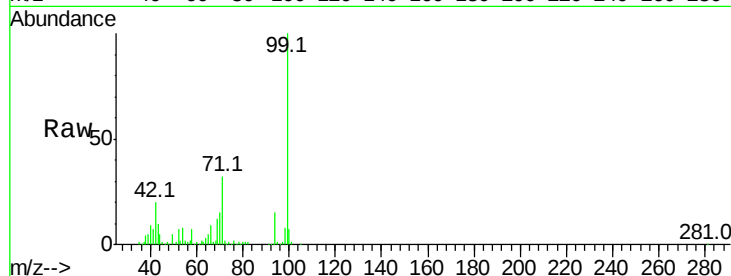
Tot Ion: 94 Resp: 67380

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

66 60.8 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 28.720 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.04 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Tgt Ion: 70 Resp: 218970

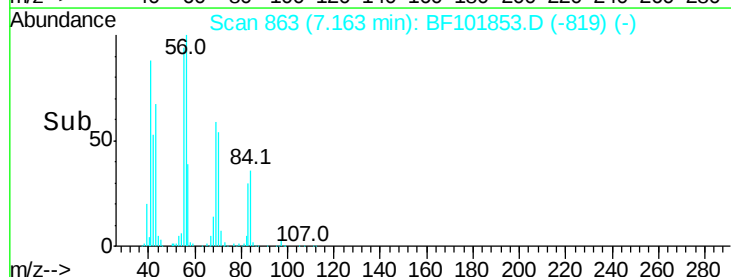
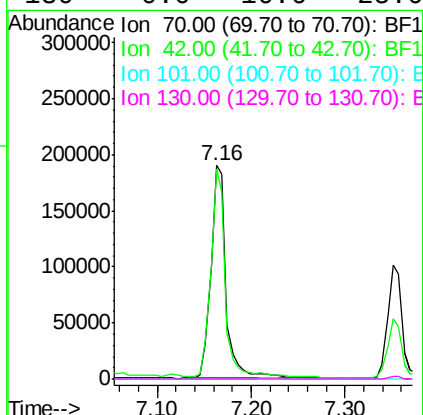
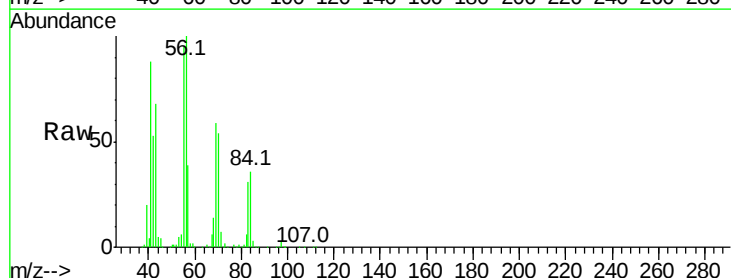
Ion Ratio Lower Upper

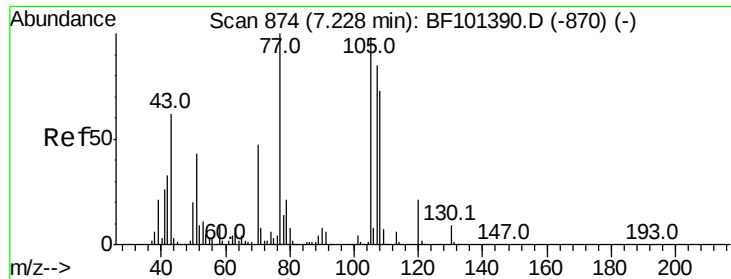
70 100

42 98.5 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#20

3+4-Methylphenols

Concen: 2.179 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.04 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 20841

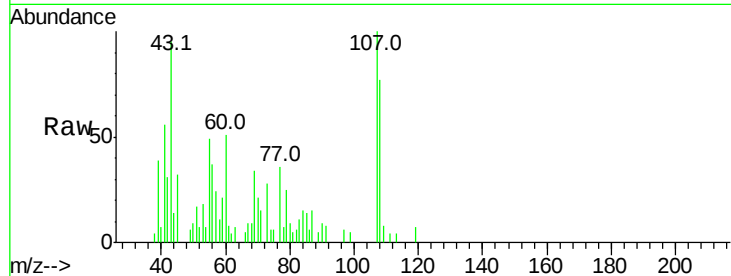
Ion Ratio Lower Upper

107 100

108 77.2 68.2 108.2

77 36.2 26.7 66.7

79 25.1 6.3 46.3



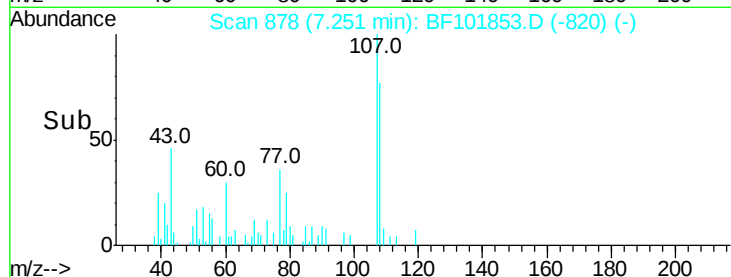
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->



Abundance

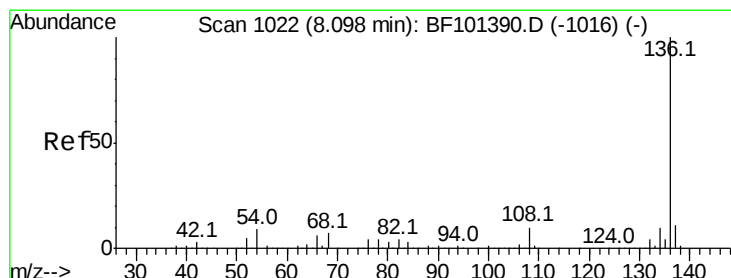
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Tgt Ion:136 Resp: 548151

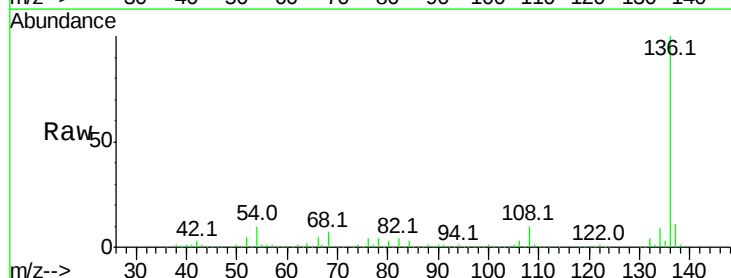
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.8 6.6 9.8

68 7.4 5.0 7.4



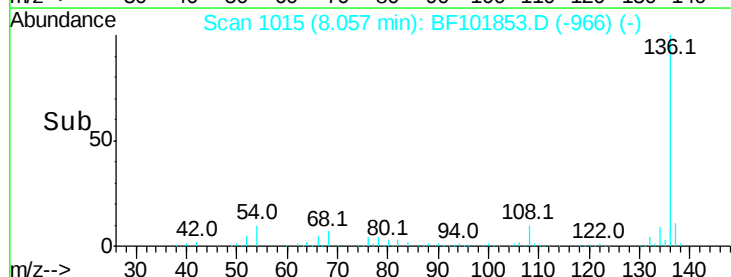
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



Abundance

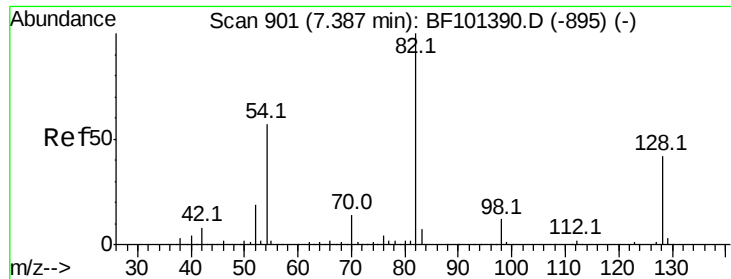
Ion 136.00 (135.70 to 136.70): E

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

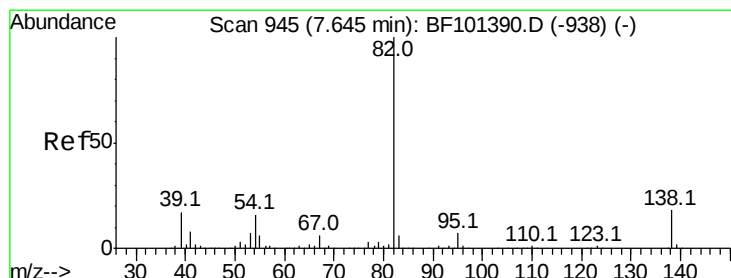
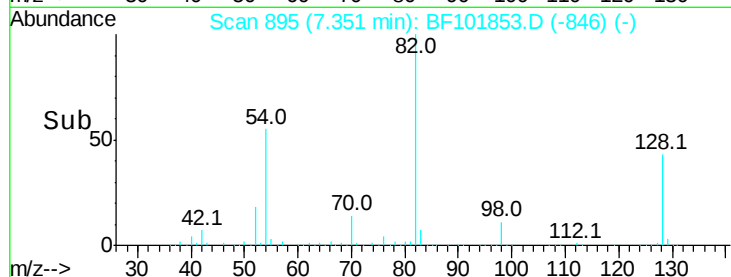
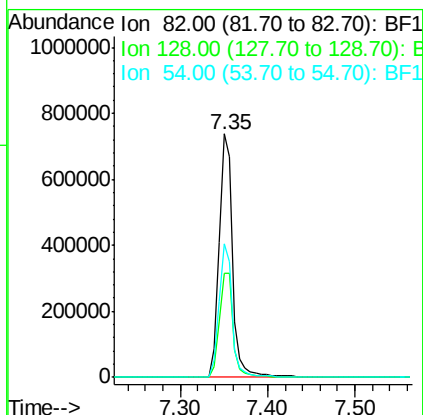
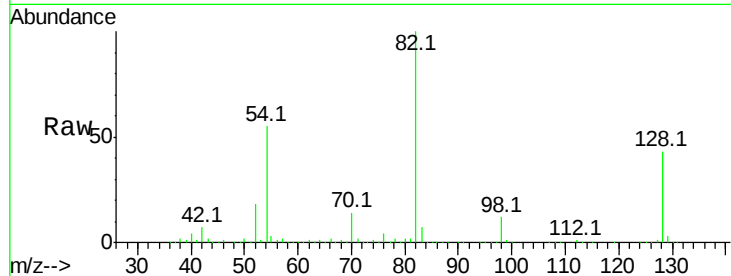
Time-->



#23
 Nitrobenzene-d5
 Concen: 80.810 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF101853.D
 Acq: 2 Jan 2018 16:11

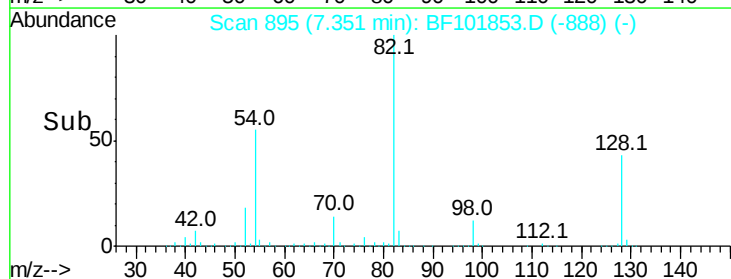
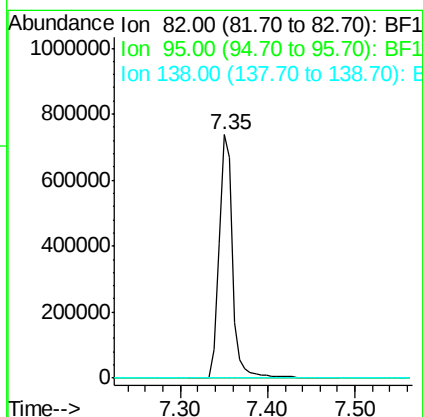
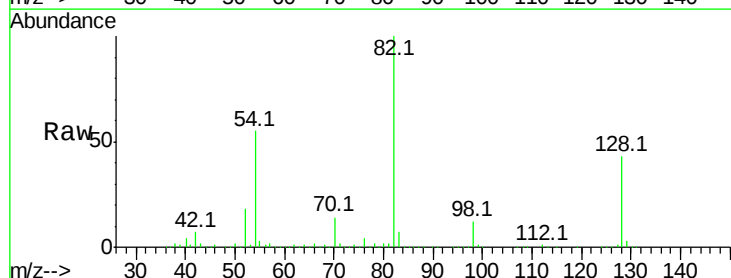
Instrument :
 BNA_F
 ClientSampleId :

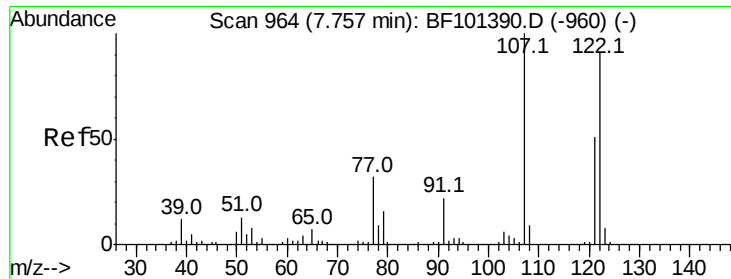
Tot Ion	82	Resp	795755
Ion Ratio	100	Lower	Upper
128	42.9	36.1	54.1
54	54.6	41.4	62.2



#25
 Isophorone
 Concen: 40.283 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF101853.D
 Acq: 2 Jan 2018 16:11

Tgt Ion	82	Resp	795755
Ion Ratio	100	Lower	Upper
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#27

2,4-Dimethylphenol

Concen: 78.607 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.25 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :

BNA_F

ClientSampleId :

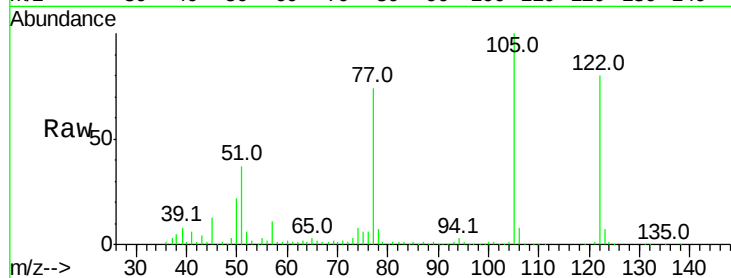
Tot Ion:122 Resp: 625260

Ion Ratio Lower Upper

122 100

107 0.6 91.2 136.8#

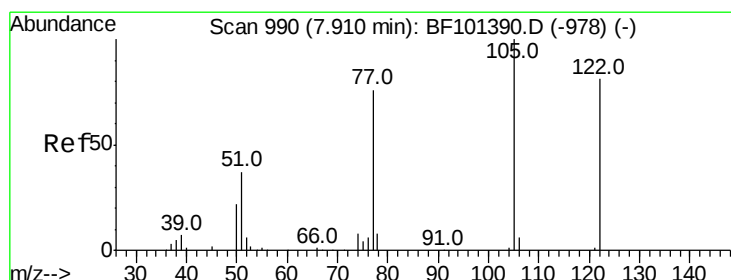
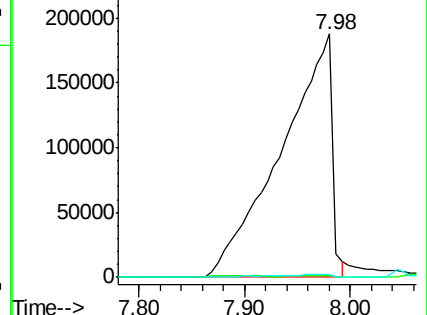
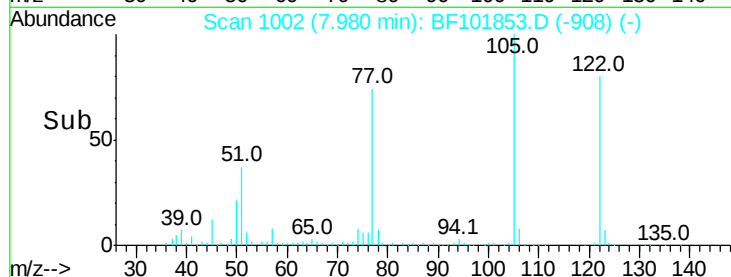
121 1.1 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 109.215 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.08 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

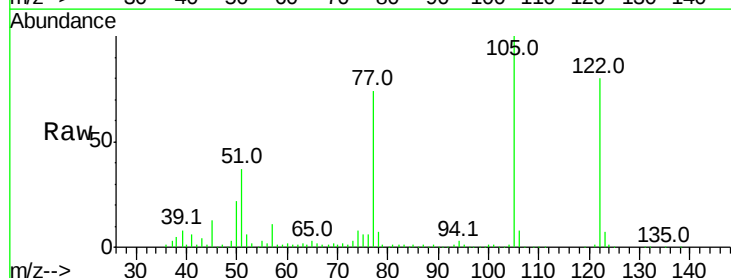
Tgt Ion:122 Resp: 650581

Ion Ratio Lower Upper

122 100

105 125.1 101.1 141.1

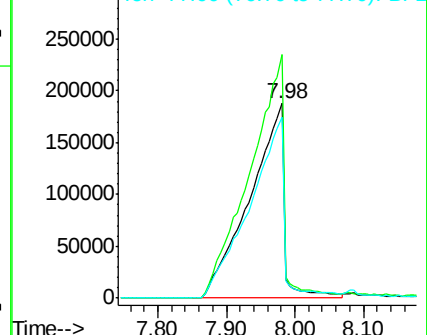
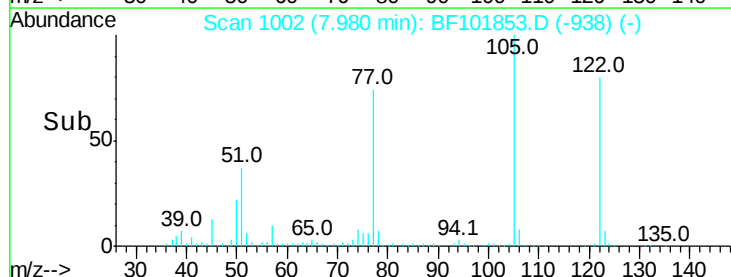
77 92.7 70.7 110.7

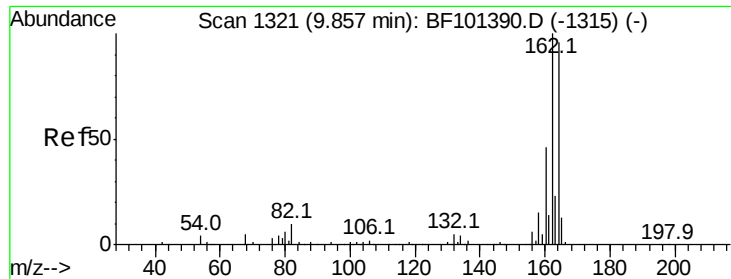


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :

BNA_F

ClientSampleId :

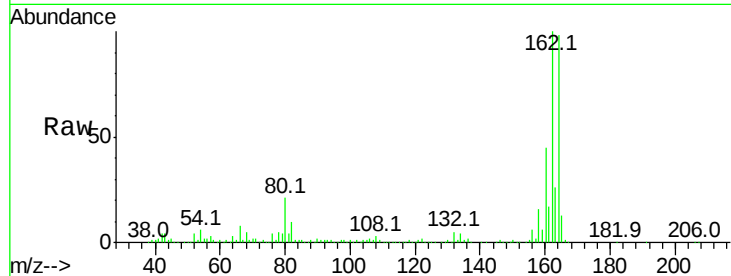
Tot Ion:164 Resp: 222174

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

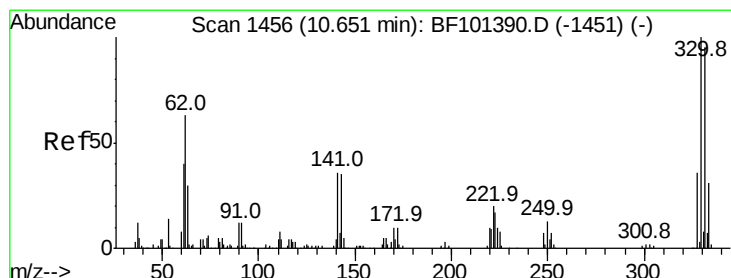
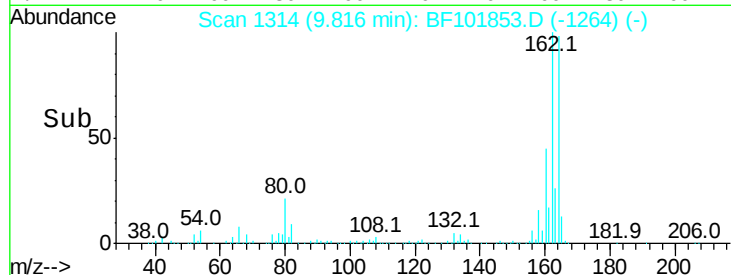
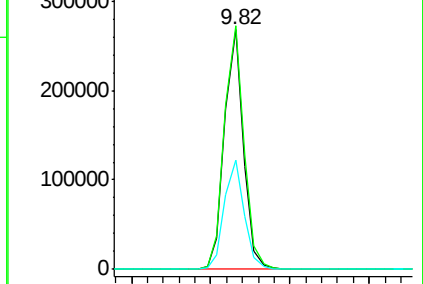
160 45.9 38.3 57.5



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: 109.384 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

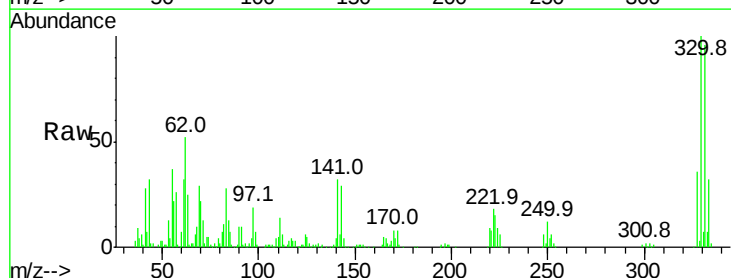
Tgt Ion:330 Resp: 234171

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

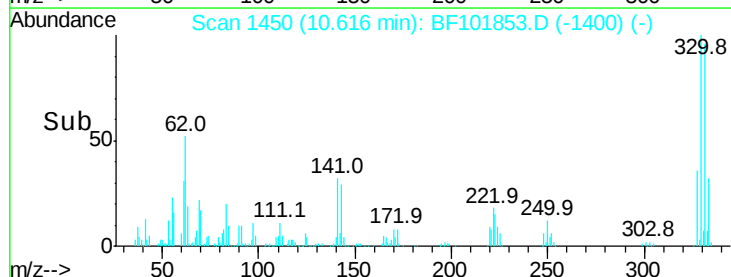
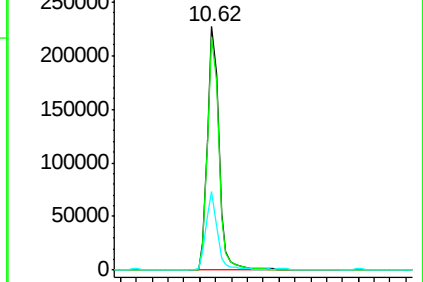
141 31.1 29.9 44.9

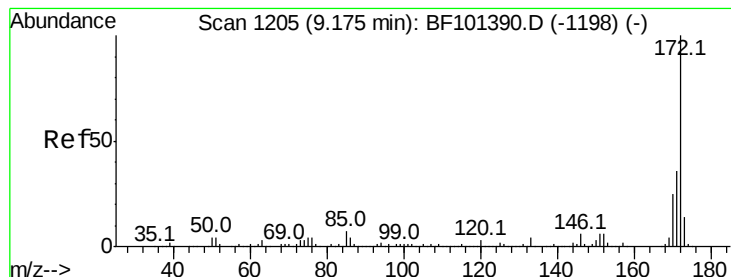


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.116 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

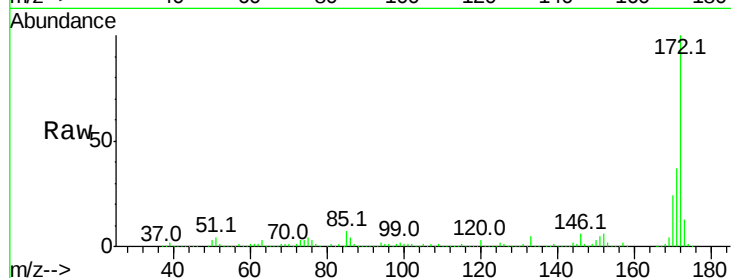
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1219064

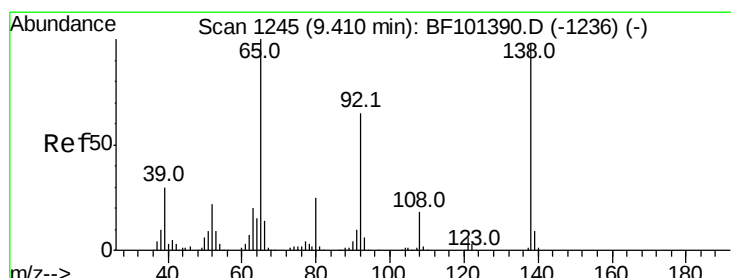
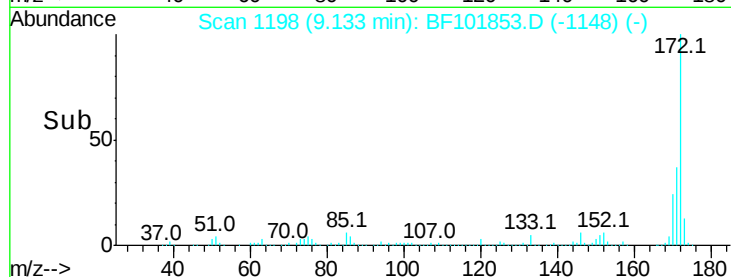
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4



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



#47

2-Nitroaniline

Concen: 82.323 ng

RT: 9.57 min Scan# 1272

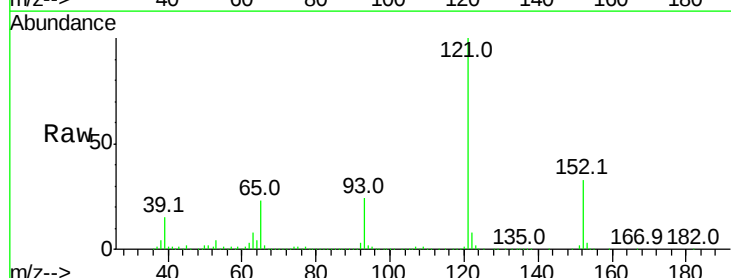
Delta R.T. 0.18 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Tgt Ion: 65 Resp: 428751

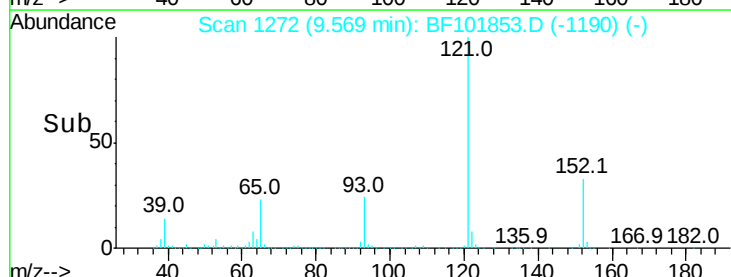
Ion	Ratio	Lower	Upper
65	100		
92	13.1	55.8	83.6#
138	0.5	91.2	136.8#

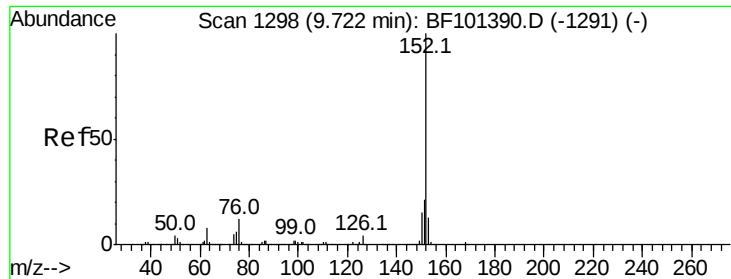


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 26.497 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.11 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :

BNA_F

ClientSampled :

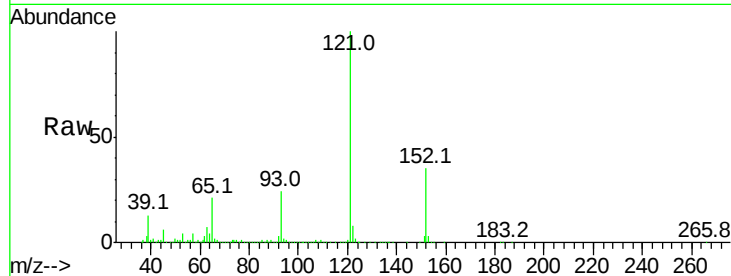
Tot Ion:152 Resp: 630965

Ion Ratio Lower Upper

152 100

151 7.4 16.3 24.5#

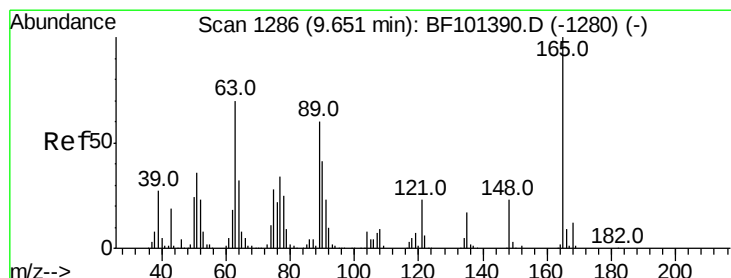
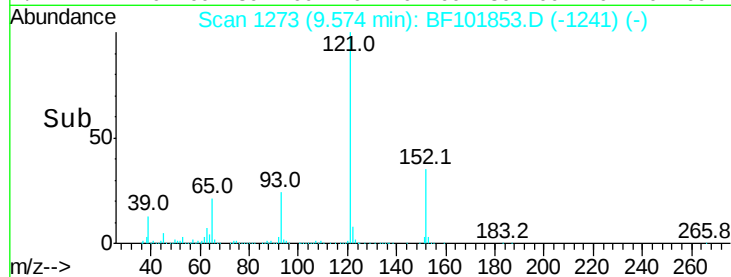
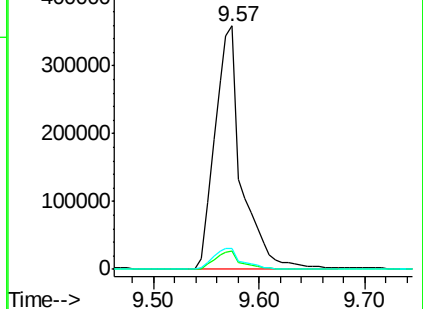
153 8.4 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 7.906 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.19 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

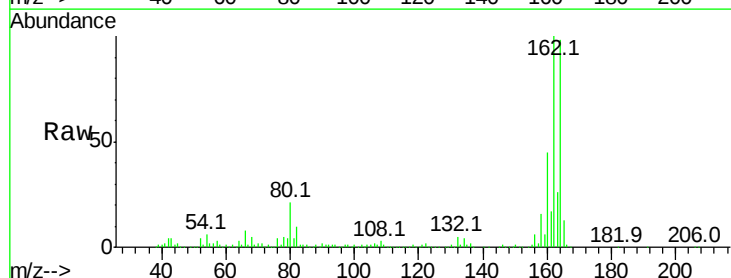
Tgt Ion:165 Resp: 28714

Ion Ratio Lower Upper

165 100

63 2.9 44.7 67.1#

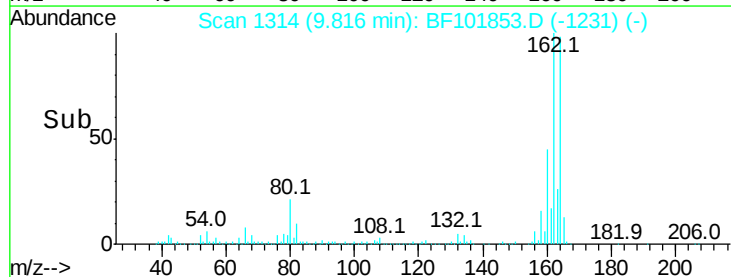
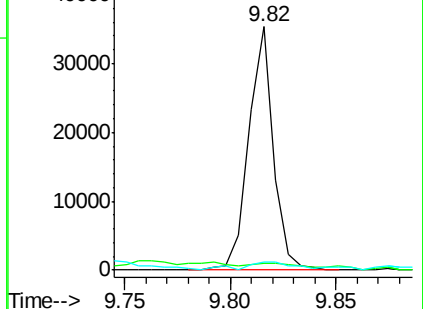
89 3.2 44.0 66.0#

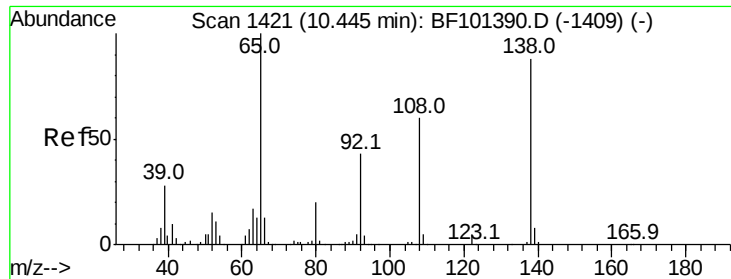


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

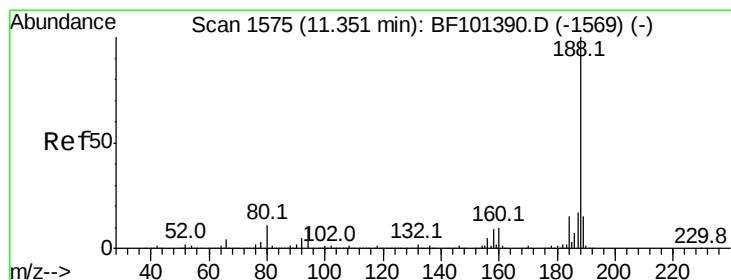
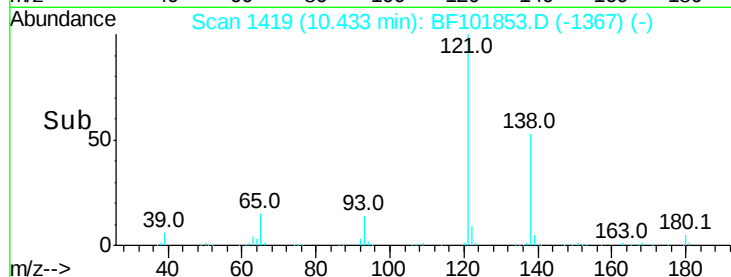
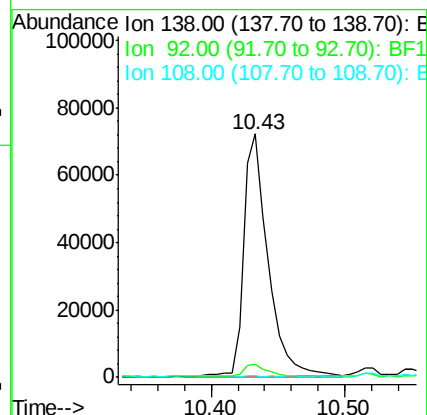
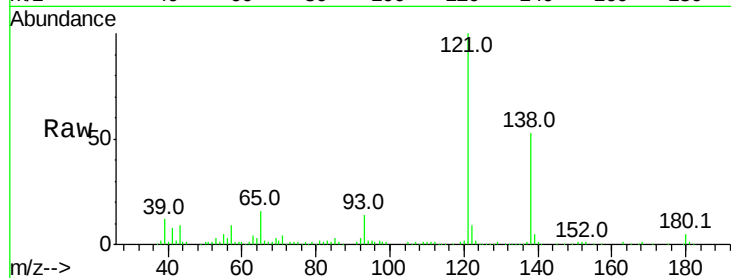




#61
4-Nitroaniline
Concen: 20.165 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF101853.D
Acq: 2 Jan 2018 16:11

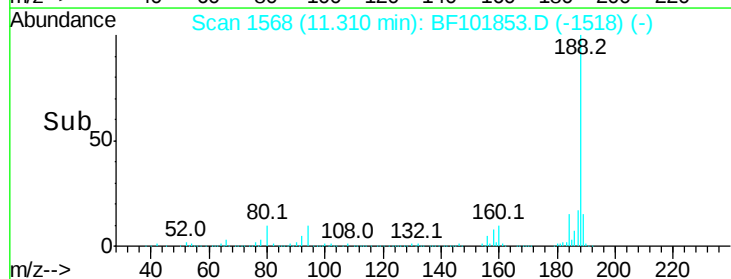
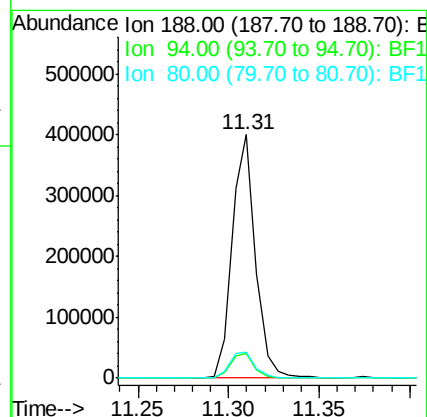
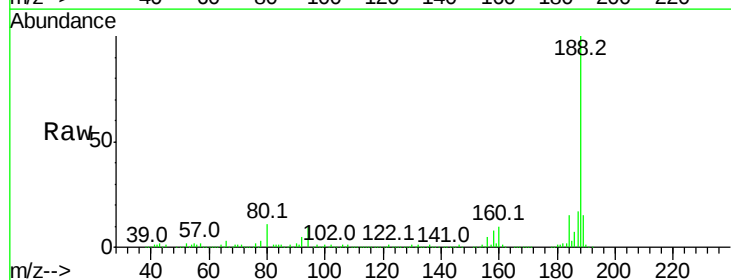
Instrument :
BNA_F
ClientSampled :

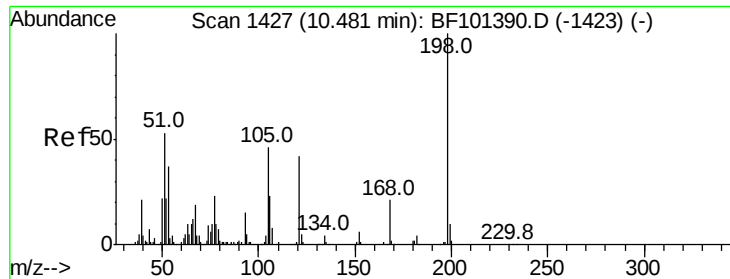
Tot Ion:138 Resp: 91785
Ion Ratio Lower Upper
138 100
92 5.6 30.2 70.2#
108 0.4 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101853.D
Acq: 2 Jan 2018 16:11

Tgt Ion:188 Resp: 356614
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.5 9.2 13.8

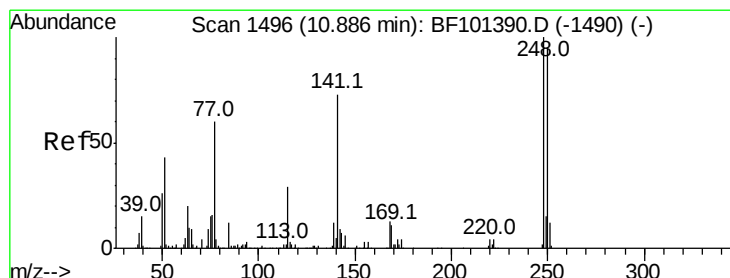
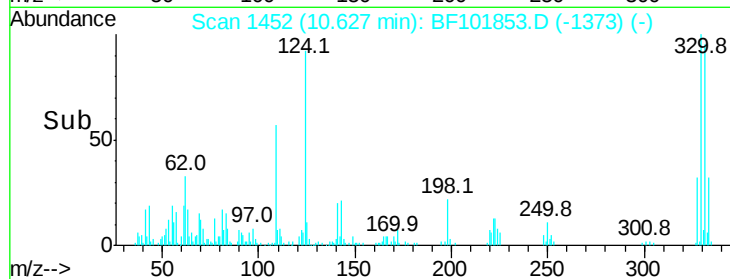
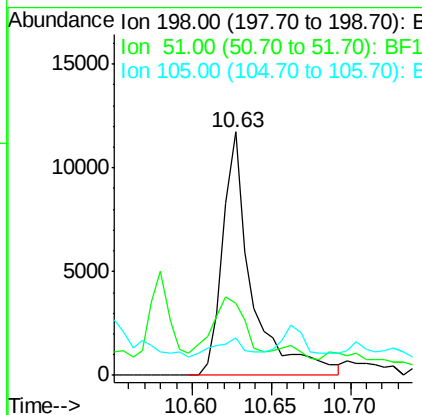
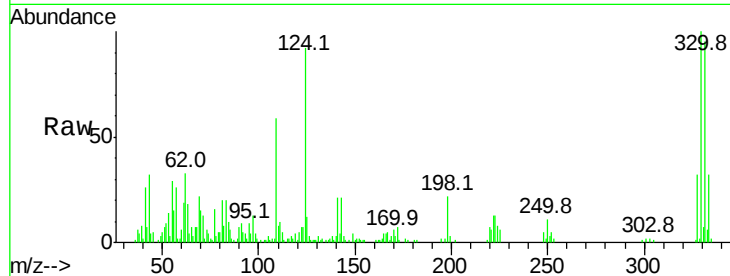




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.185 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.16 min
 Lab File: BF101853.D
 Acq: 2 Jan 2018 16:11

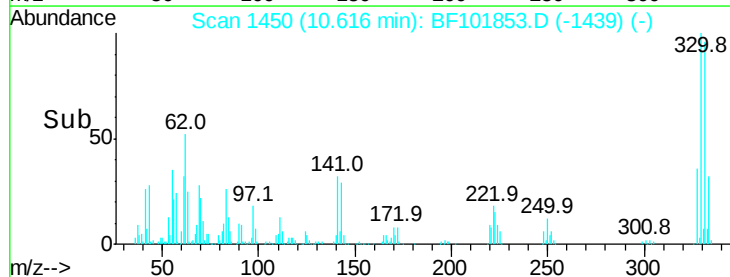
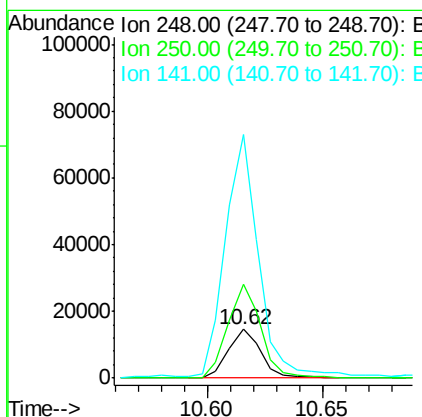
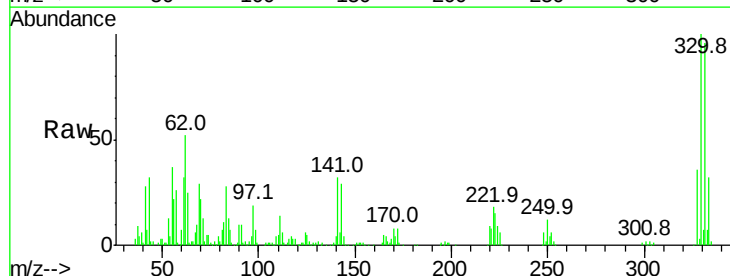
Instrument :
 BNA_F
 ClientSampleId :

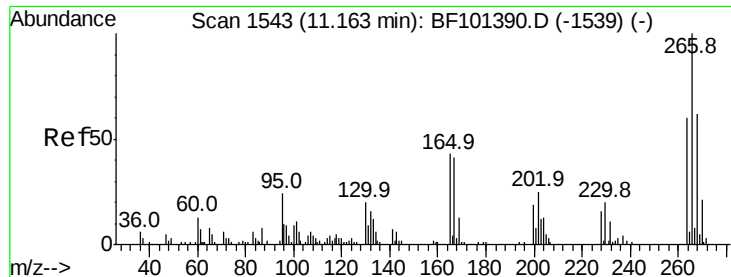
Tot Ion:198 Resp: 14896
 Ion Ratio Lower Upper
 198 100
 51 29.5 37.7 77.7#
 105 15.2 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.585 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF101853.D
 Acq: 2 Jan 2018 16:11

Tgt Ion:248 Resp: 14366
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 498.4 74.4 111.6#

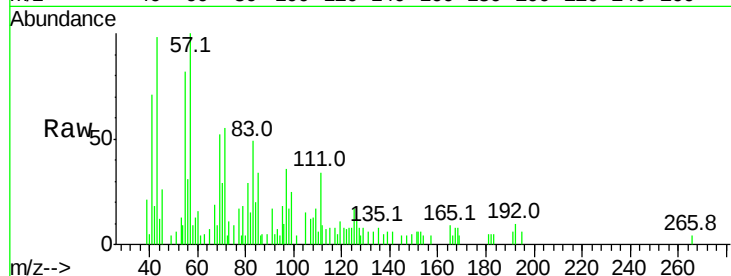




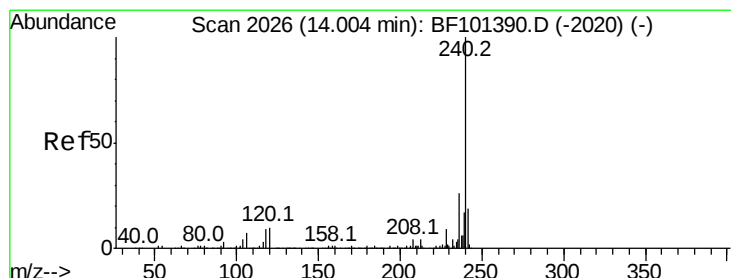
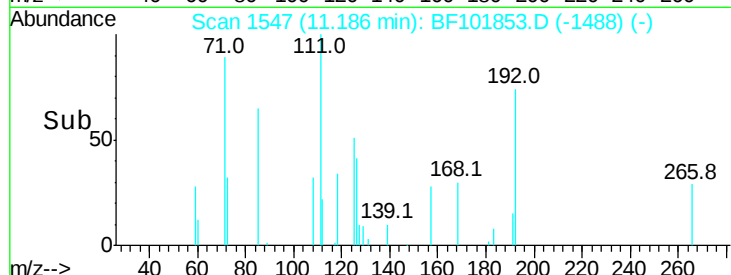
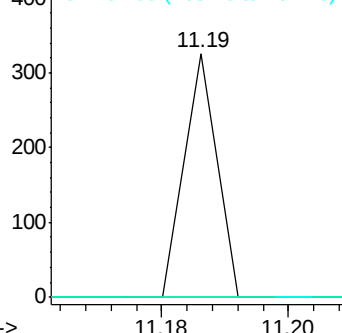
#69
 Pentachlorophenol
 Concen: 6.621 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. 0.05 min
 Lab File: BF101853.D
 Acq: 2 Jan 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 115
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 49.5 74.3#

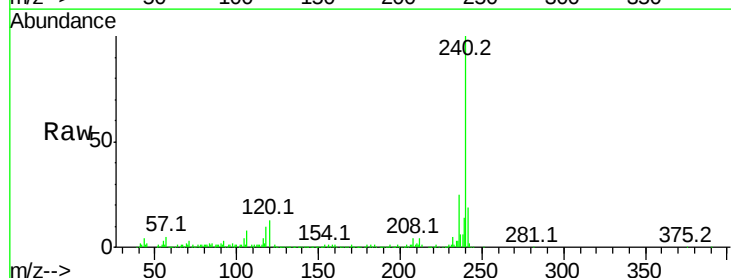


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

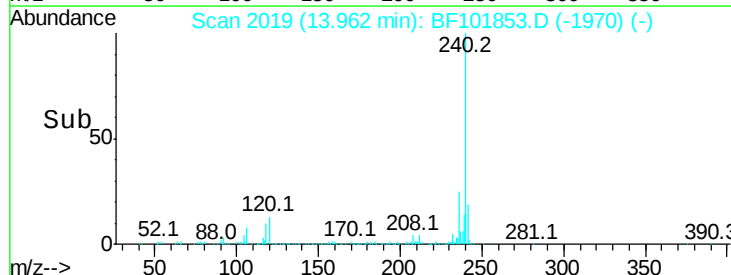
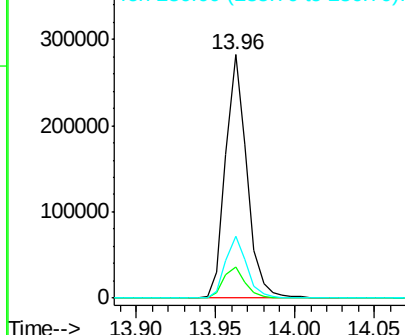


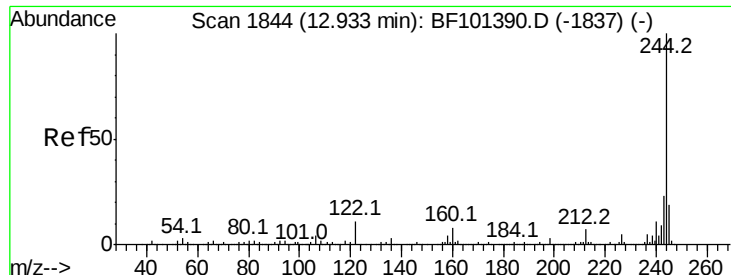
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF101853.D
 Acq: 2 Jan 2018 16:11

Tgt Ion:240 Resp: 264285
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.4 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: 80.342 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

Instrument :

BNA_F

ClientSampleId :

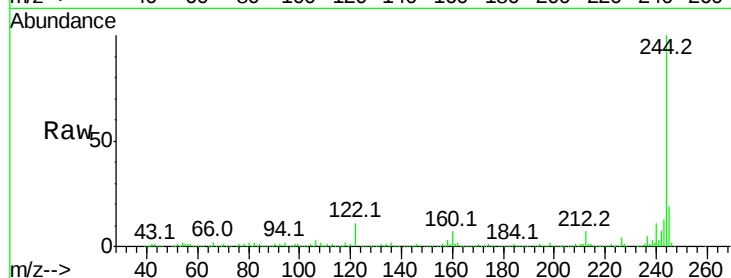
Tot Ion:244 Resp: 880763

Ion Ratio Lower Upper

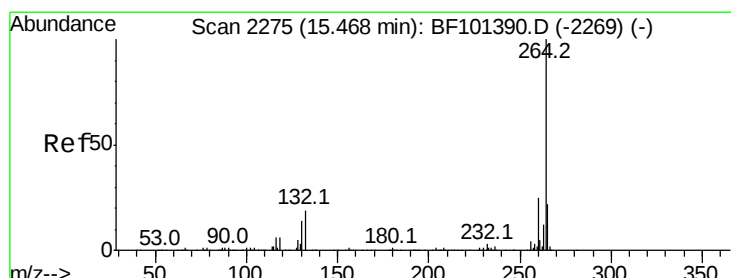
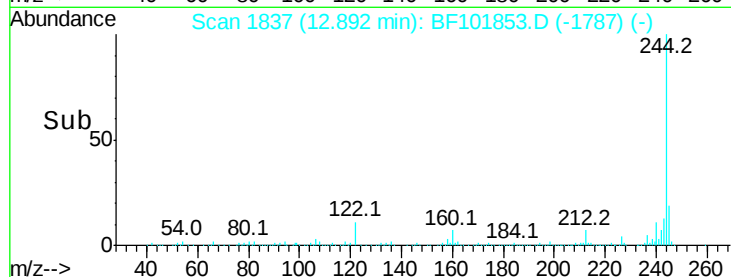
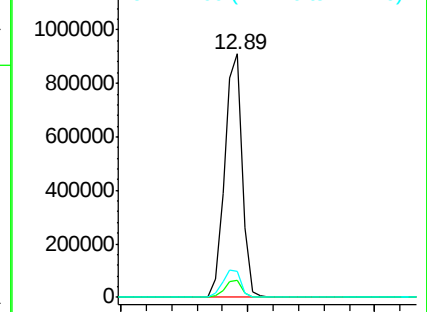
244 100

212 6.9 5.4 8.0

122 10.6 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: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF101853.D

Acq: 2 Jan 2018 16:11

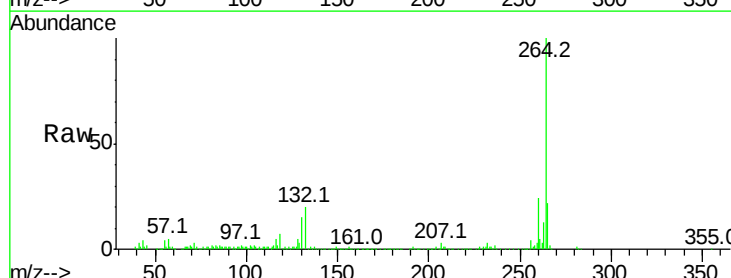
Tgt Ion:264 Resp: 278613

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.8 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

