

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101719.D
 Acq On : 26 Dec 2017 16:54
 Operator : SJ/JU
 Sample : I6846-03DL2 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01DL

Quant Time: Dec 26 17:38:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	135625	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	507644	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	207604	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	334090	20.00	ng	0.00
75) Chrysene-d12	13.97	240	263950	20.00	ng	0.00
86) Perylene-d12	15.43	264	262682	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	69603	7.64	ng	0.05
7) Phenol-d6	6.43	99	87337	7.71	ng	0.00
23) Nitrobenzene-d5	7.36	82	63220	6.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	14818	7.41	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	132719	9.92	ng	0.00
78) Terphenyl-d14	12.89	244	95551	8.73	ng	0.00

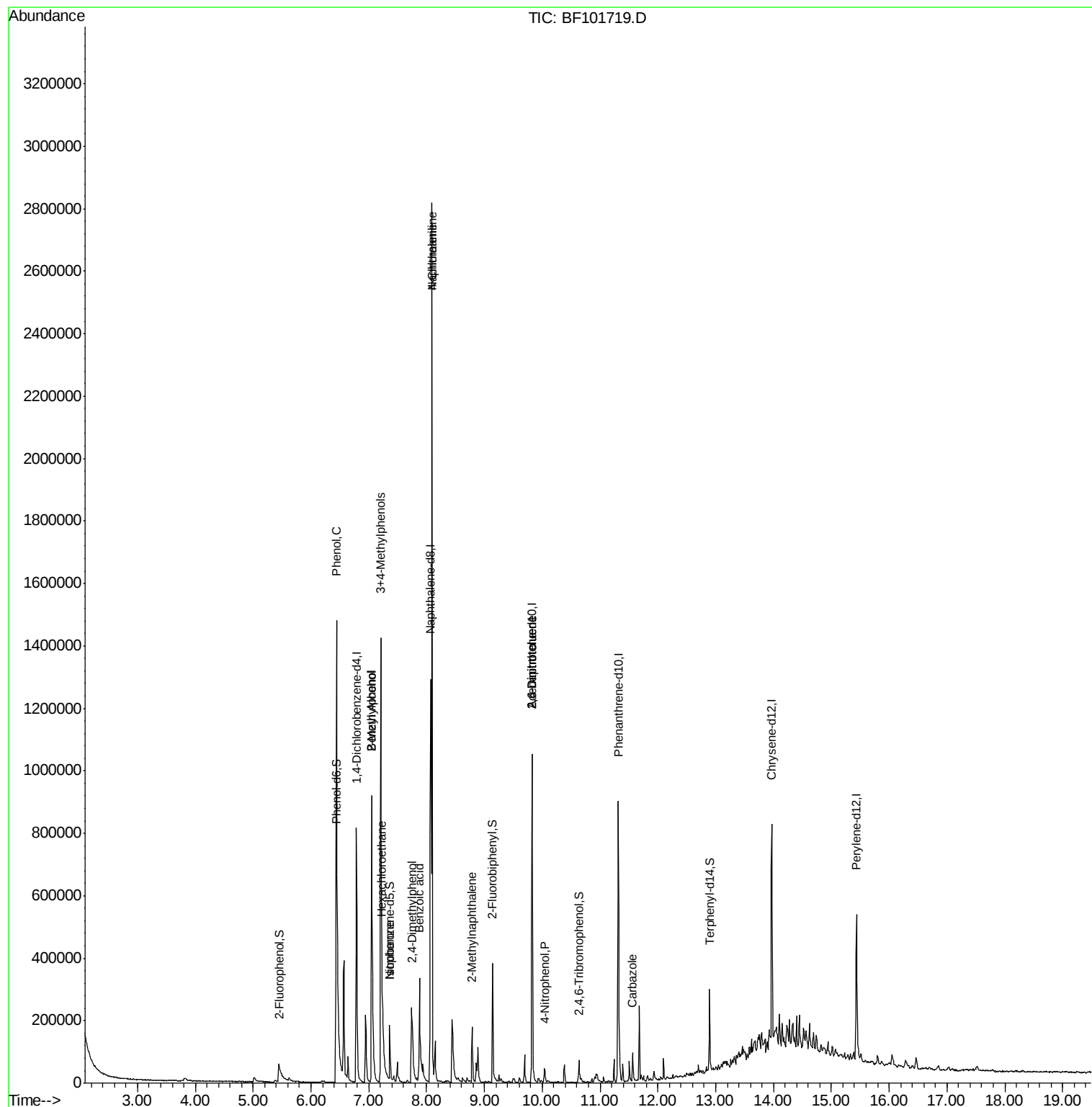
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	758556	58.734	ng	99
15) Benzyl Alcohol	7.05	79	76929	9.863	ng	# 1
17) 2-Methylphenol	7.05	107	181940	20.651	ng	100
18) Hexachloroethane	7.23	117	9537	2.485	ng	# 2
20) 3+4-Methylphenols	7.20	107	558374	59.809	ng	89
25) Isophorone	7.36	82	63220	3.456	ng	# 64
27) 2,4-Dimethylphenol	7.74	122	103422	14.040	ng	96
31) Naphthalene	8.09	128	1186256	46.417	ng	100
32) Benzoic acid	7.87	122	102351	25.161	ng	# 14
33) 4-Chloroaniline	8.09	127	157596	14.188	ng	# 34
37) 2-Methylnaphthalene	8.79	142	55734	3.347	ng	98
50) 2,6-Dinitrotoluene	9.82	165	26285	7.745	ng	# 25
55) 4-Nitrophenol	10.04	139	8611	4.667	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	26285	6.874	ng	# 23
72) Carbazole	11.56	167	44779	2.520	ng	98

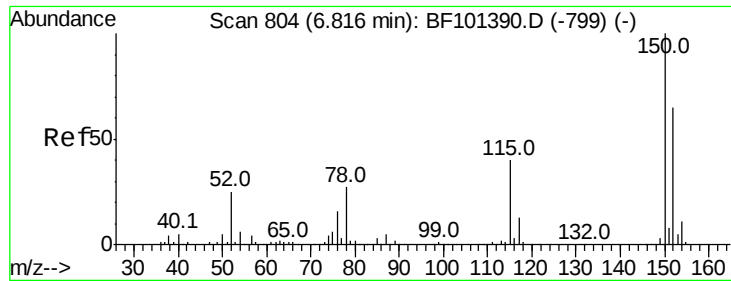
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
Data File : BF101719.D
Acq On : 26 Dec 2017 16:54
Operator : SJ/JU
Sample : I6846-03DL2 20X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

Quant Time: Dec 26 17:38:27 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration



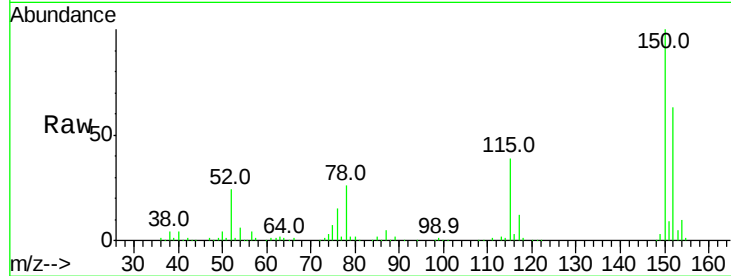


#1

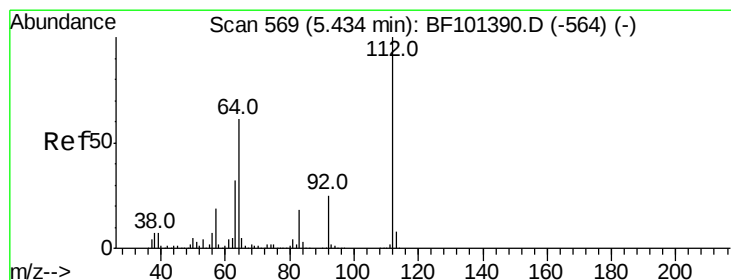
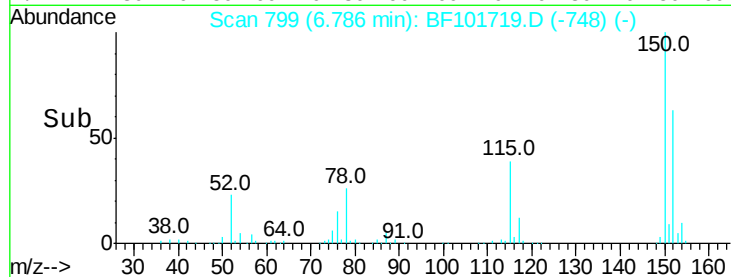
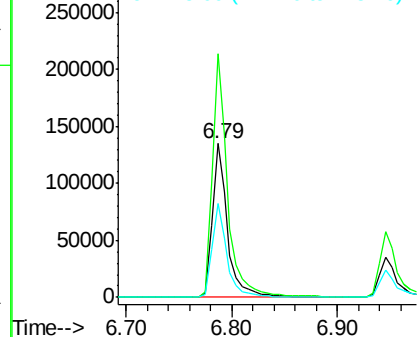
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

Tot Ion:152 Resp: 135625
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 61.2 50.1 75.1



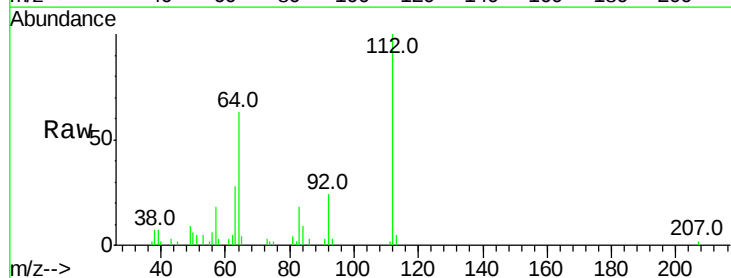
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



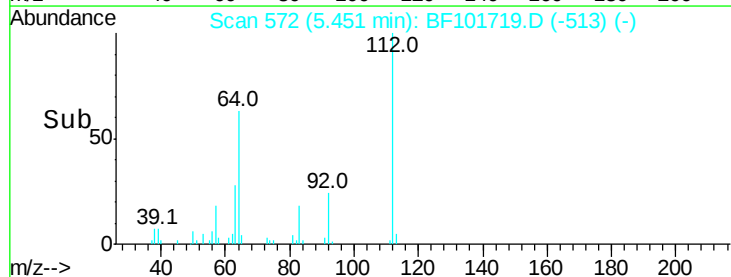
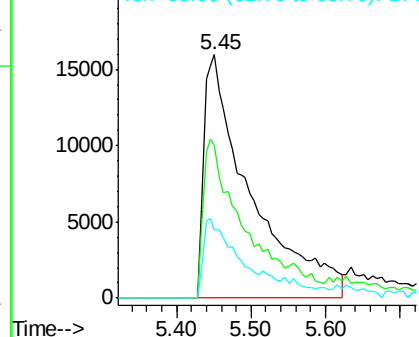
#5

2-Fluorophenol
Concen: 7.645 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.05 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Tgt Ion:112 Resp: 69603
Ion Ratio Lower Upper
112 100
64 62.7 47.9 71.9
63 28.3 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: 7.708 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

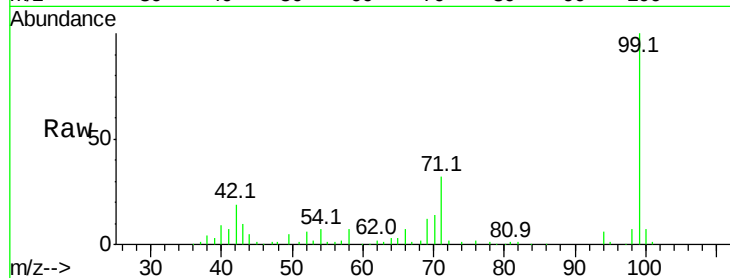
Tot Ion: 99 Resp: 87337

Ion Ratio Lower Upper

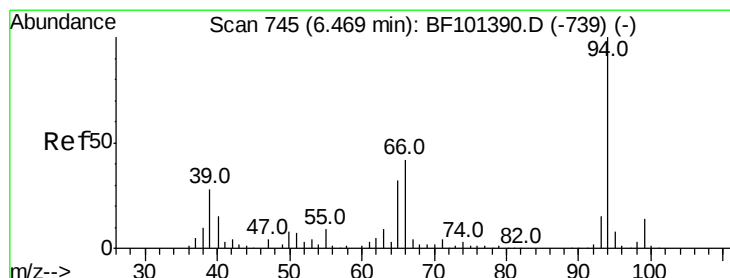
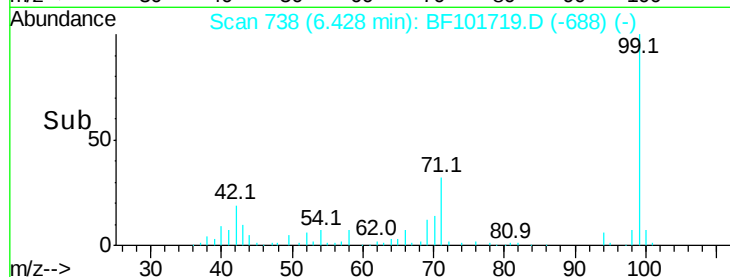
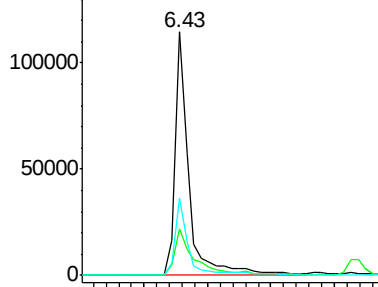
99 100

42 19.1 14.5 21.7

71 31.8 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: 58.734 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

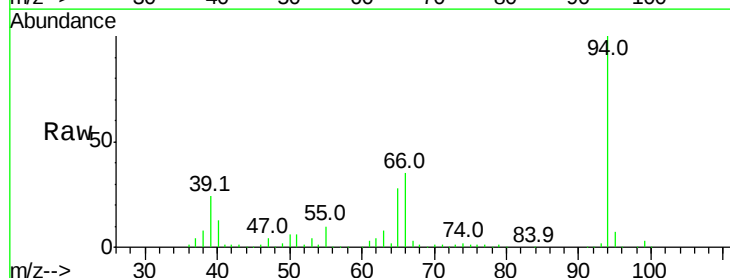
Tgt Ion: 94 Resp: 758556

Ion Ratio Lower Upper

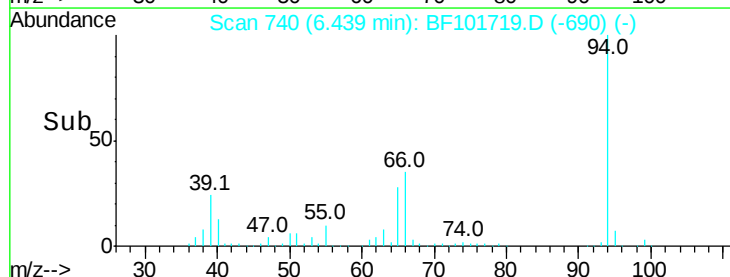
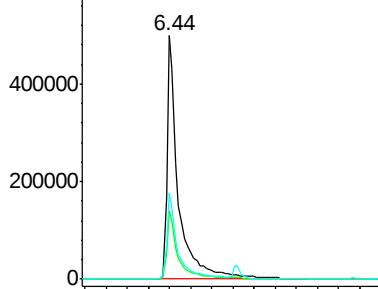
94 100

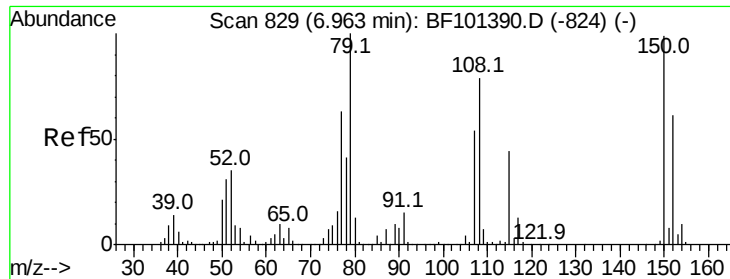
65 28.3 7.9 47.9

66 35.5 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

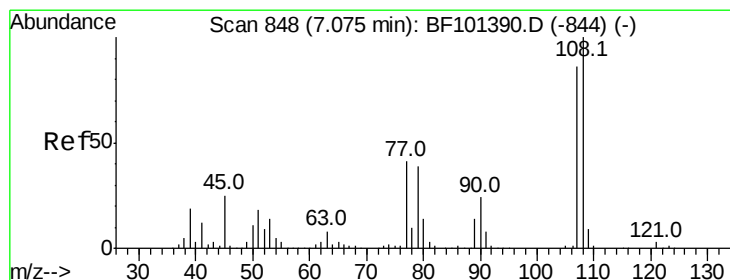
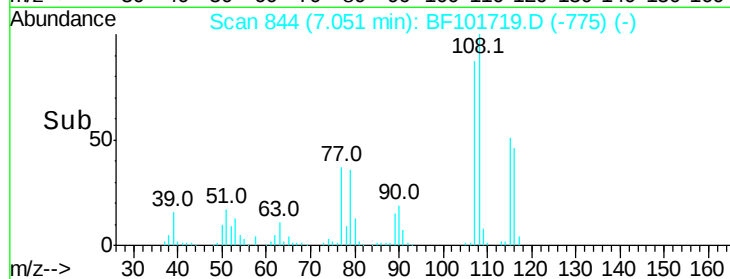
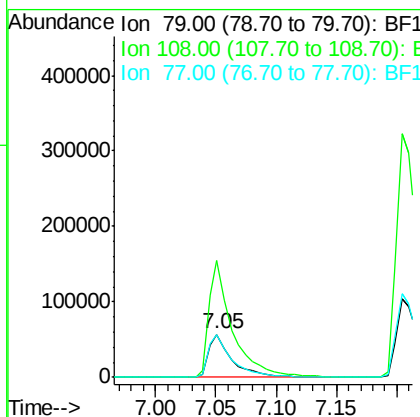
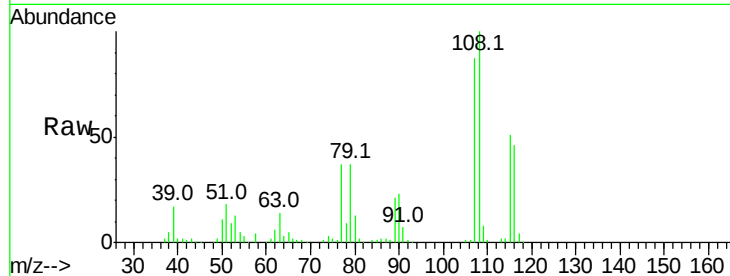




#15
Benzyl Alcohol
Concen: 9.863 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.11 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

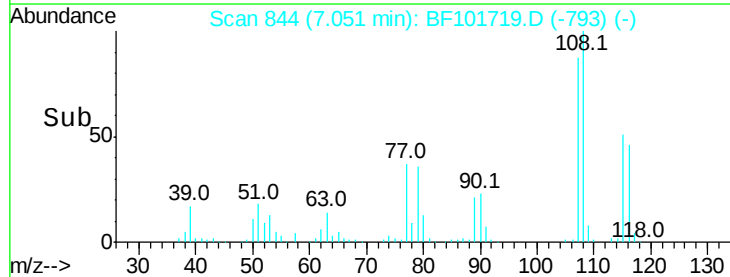
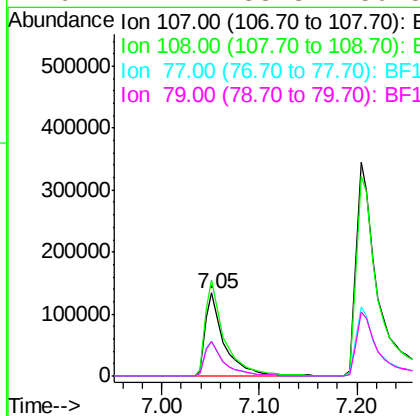
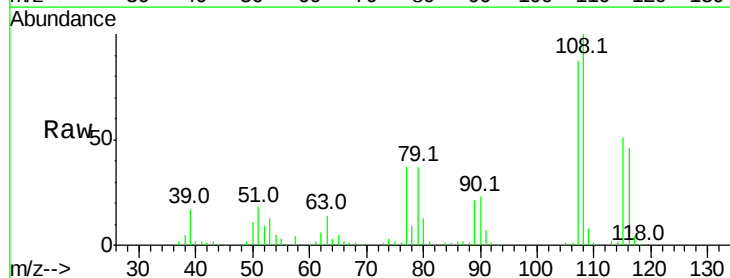
Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

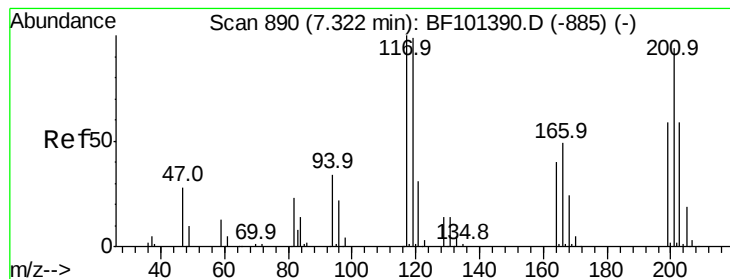
Tot Ion: 79 Resp: 76929
Ion Ratio Lower Upper
79 100
108 273.3 65.1 97.7#
77 100.1 50.6 75.8#



#17
2-Methylphenol
Concen: 20.651 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Tgt Ion: 107 Resp: 181940
Ion Ratio Lower Upper
107 100
108 115.4 91.7 137.5
77 42.3 33.8 50.8
79 42.2 33.8 50.8





#18

Hexachloroethane

Concen: 2.485 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.05 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

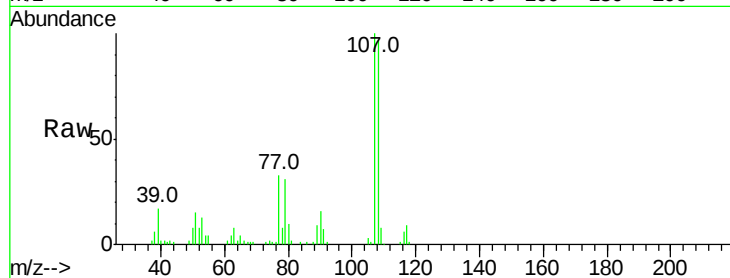
Tot Ion:117 Resp: 9537

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

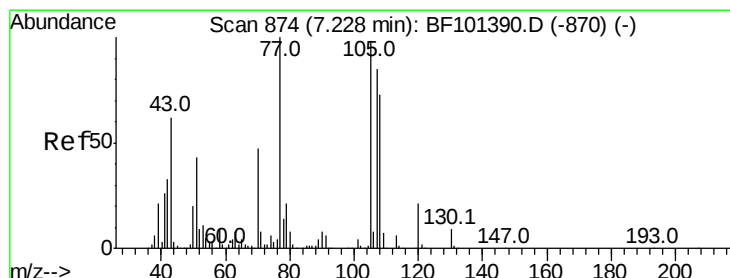
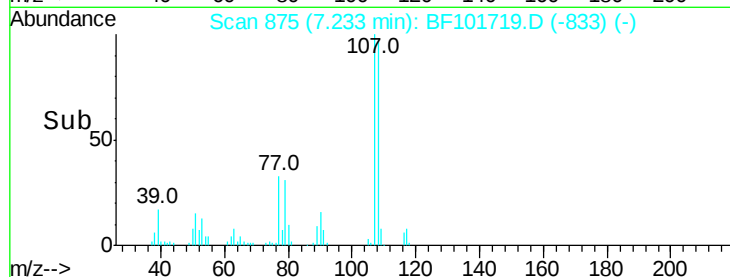
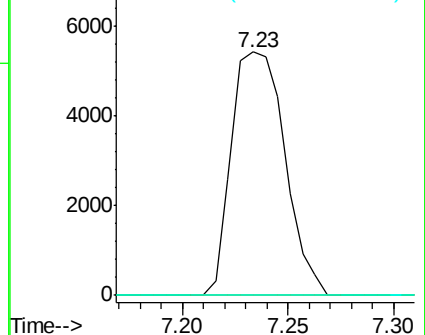
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#20

3+4-Methylphenols

Concen: 59.809 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Tgt Ion:107 Resp: 558374

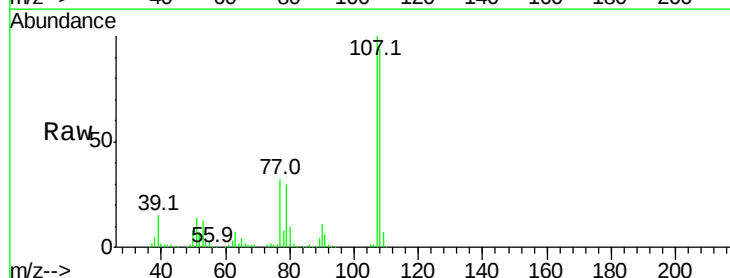
Ion Ratio Lower Upper

107 100

108 93.6 68.2 108.2

77 32.3 26.7 66.7

79 30.2 6.3 46.3

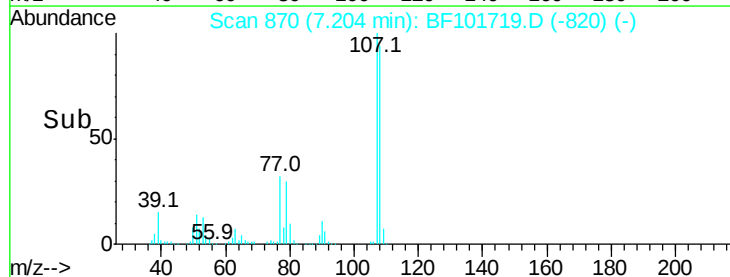
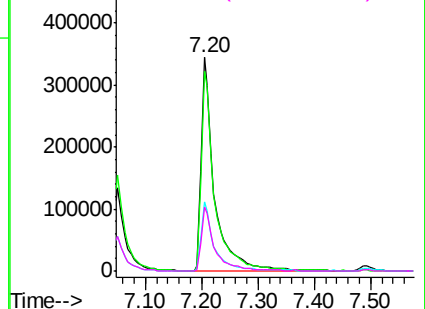


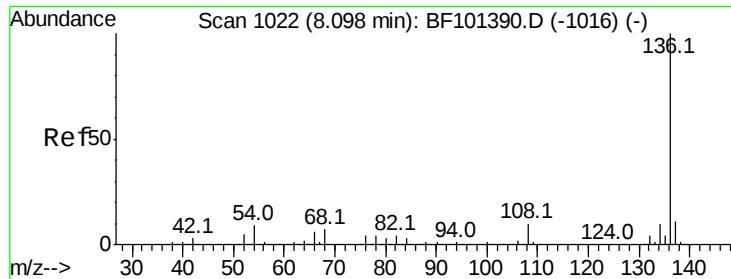
Abundance Ion 107.00 (106.70 to 107.70): E

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

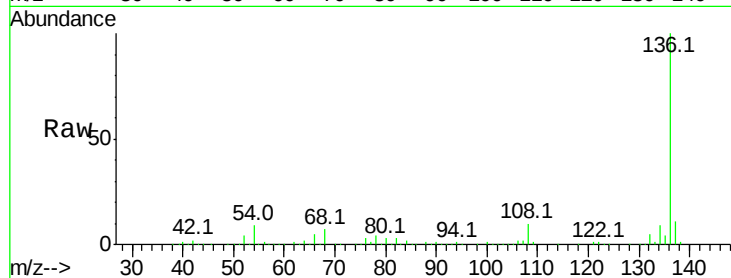




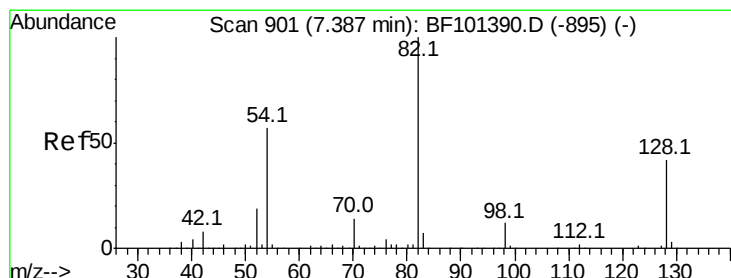
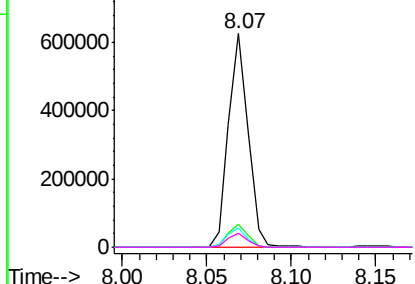
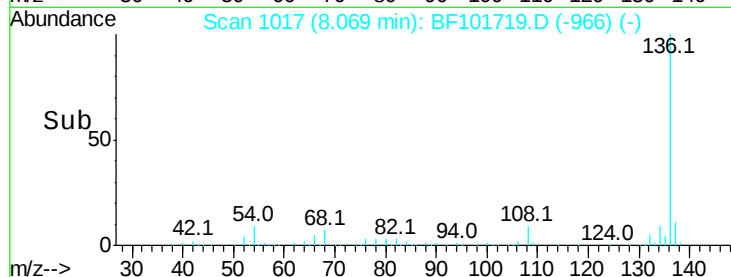
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

Tot Ion:136	Resp:	507644
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	9.0	6.6 9.8
68	6.9	5.0 7.4

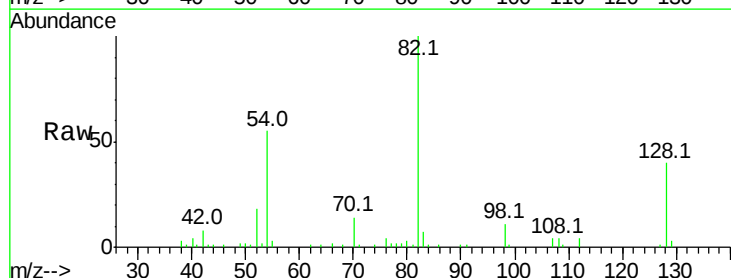


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

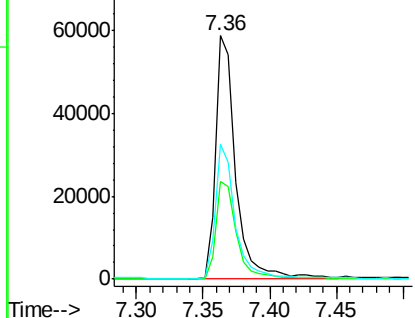
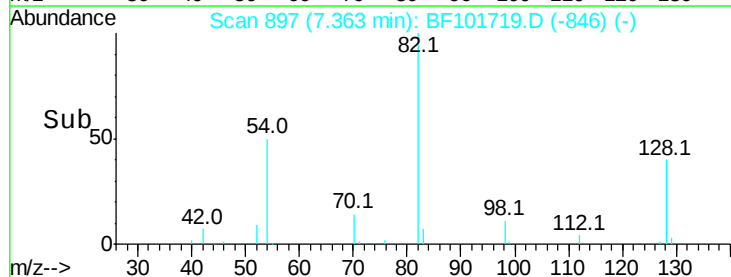


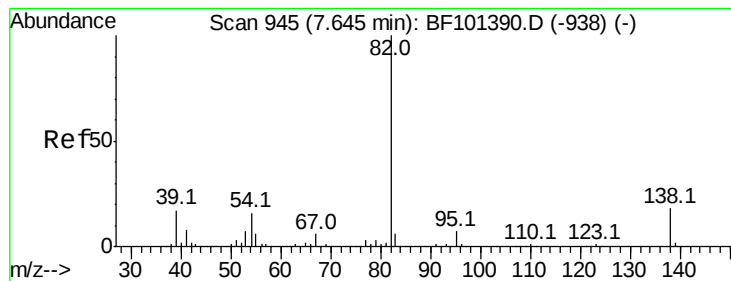
#23
Nitrobenzene-d5
Concen: 6.932 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Tgt Ion: 82	Resp:	63220
Ion	Ratio	Lower Upper
82	100	
128	40.2	36.1 54.1
54	55.2	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: 3.456 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

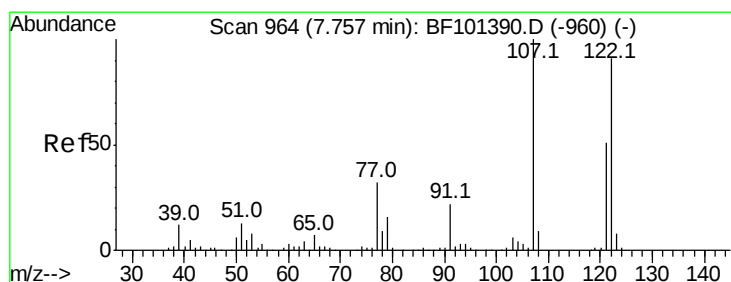
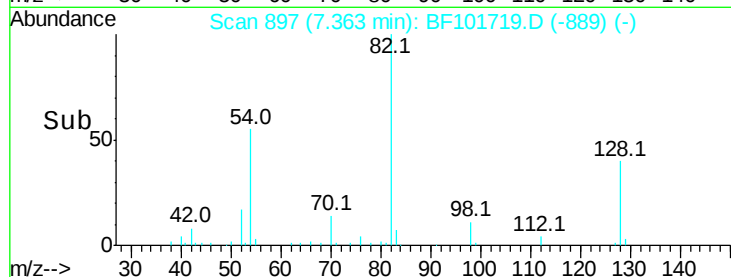
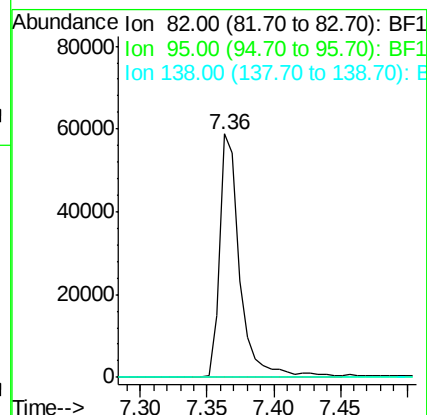
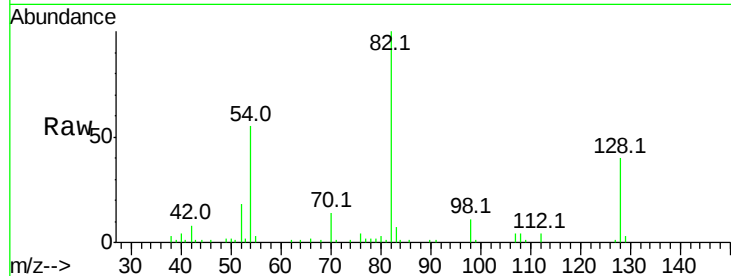
Tot Ion: 82 Resp: 63220

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 14.040 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

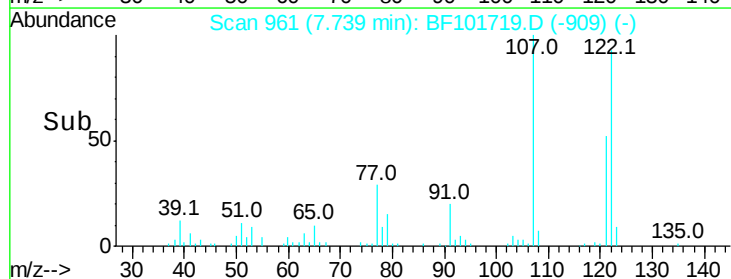
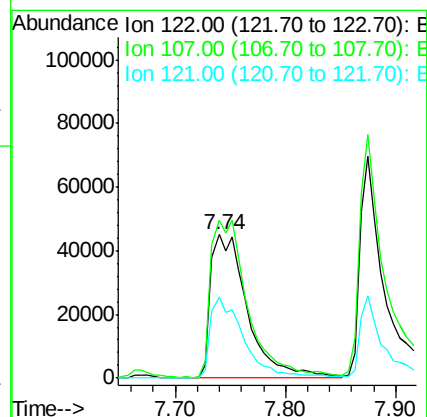
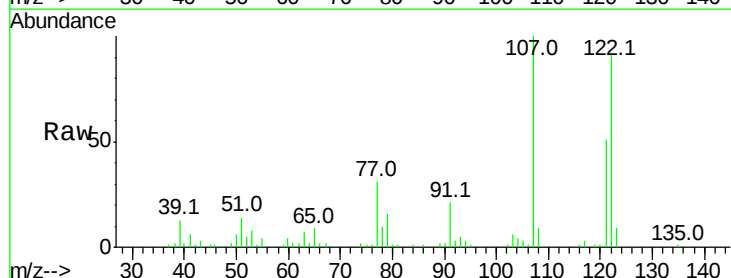
Tgt Ion:122 Resp: 103422

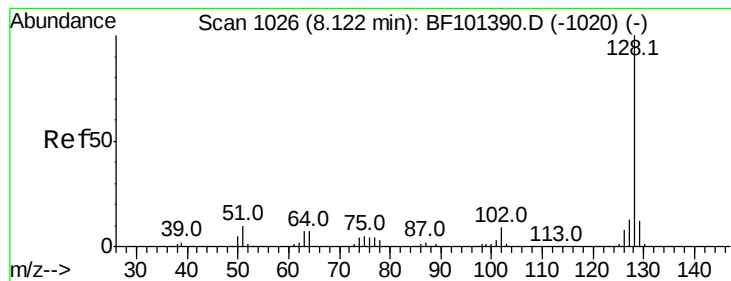
Ion Ratio Lower Upper

122 100

107 109.7 91.2 136.8

121 56.3 47.2 70.8





#31

Naphthalene

Concen: 46.417 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

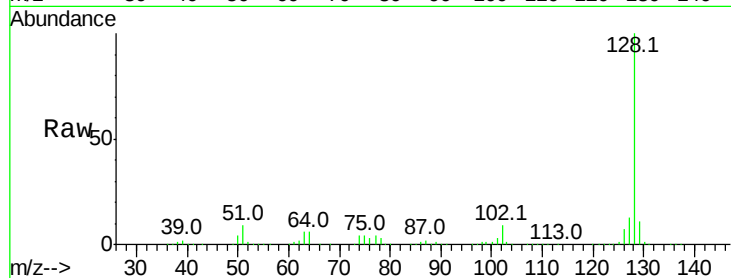
Tot Ion:128 Resp: 1186256

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

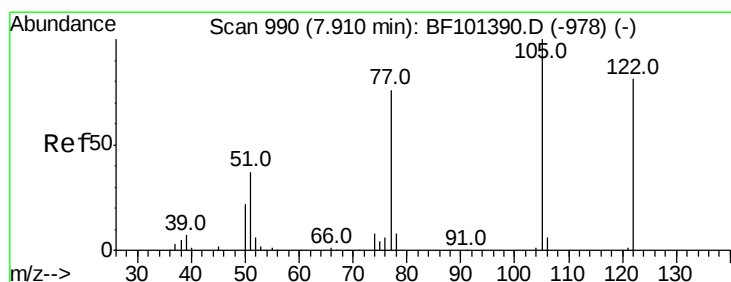
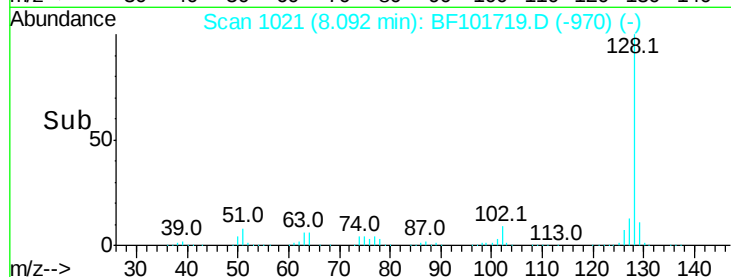
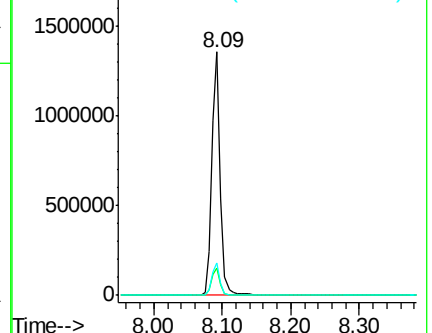
127 13.4 10.9 16.3



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



#32

Benzoic acid

Concen: 25.161 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

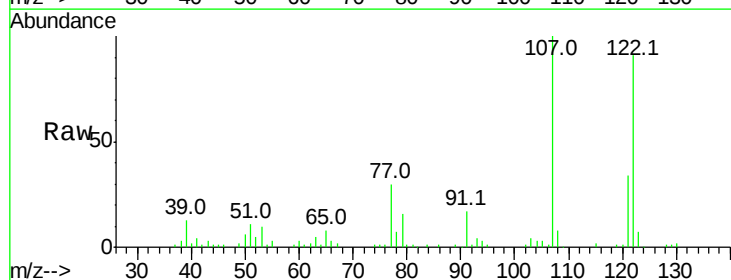
Tgt Ion:122 Resp: 102351

Ion Ratio Lower Upper

122 100

105 3.4 101.1 141.1#

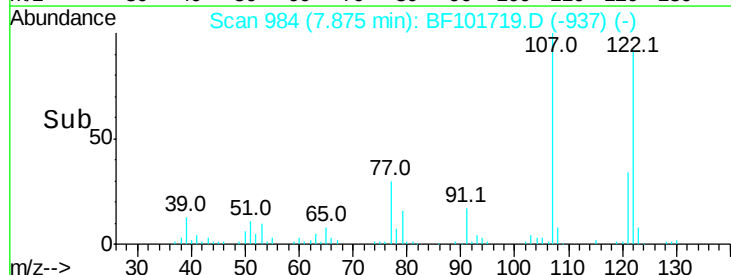
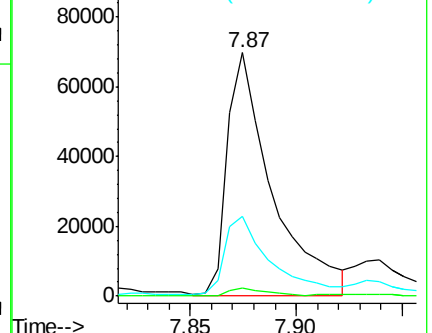
77 32.9 70.7 110.7#

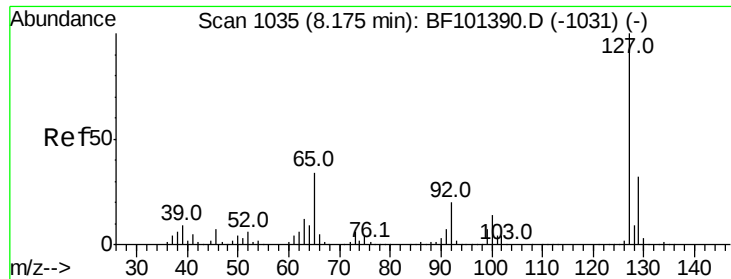


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

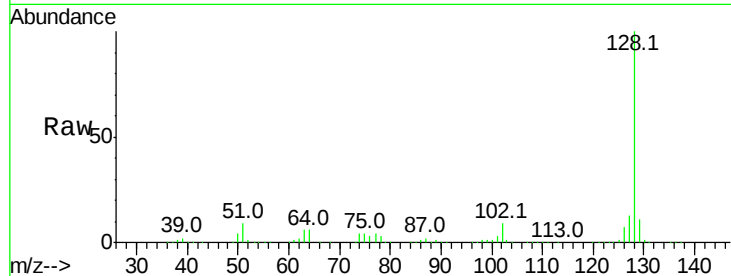




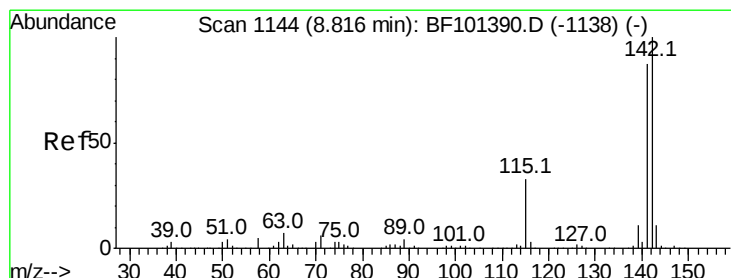
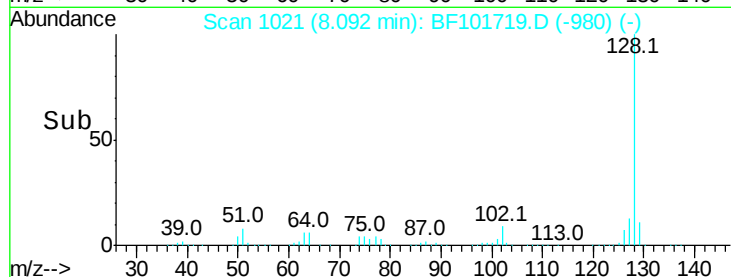
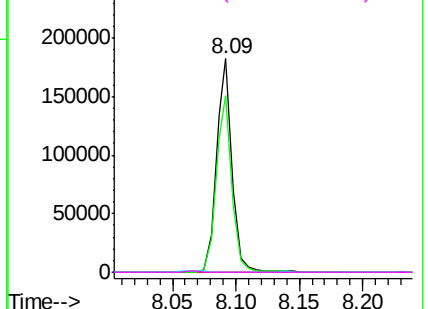
#33
4-Chloroaniline
Concen: 14.188 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

Tot Ion:	127	Resp:	157596
Ion	Ratio	Lower	Upper
127	100		
129	82.5	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

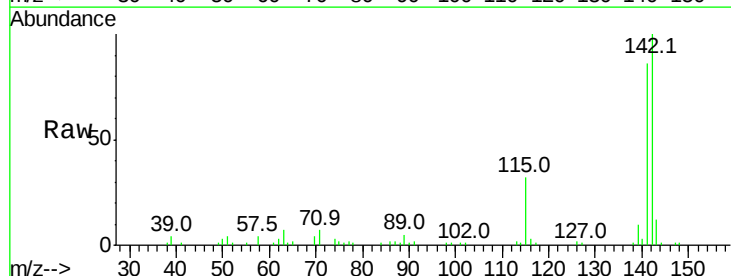


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

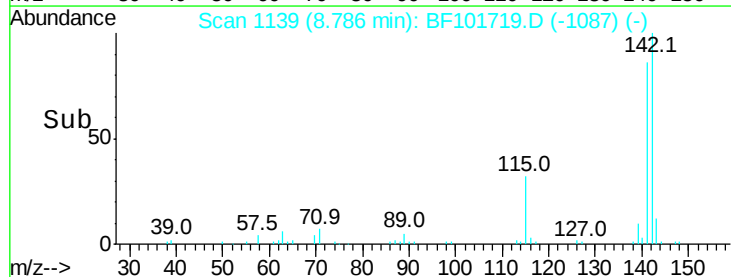
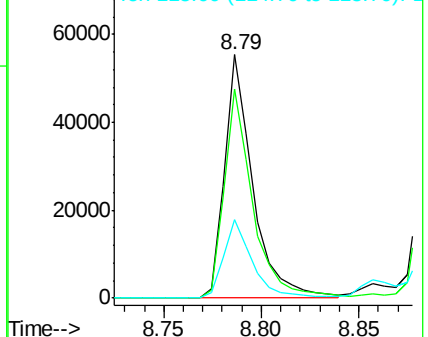


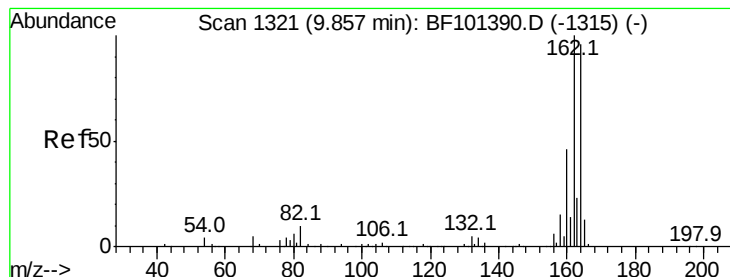
#37
2-Methylnaphthalene
Concen: 3.347 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Tgt Ion:	142	Resp:	55734
Ion	Ratio	Lower	Upper
142	100		
141	85.9	70.8	106.2
115	32.3	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

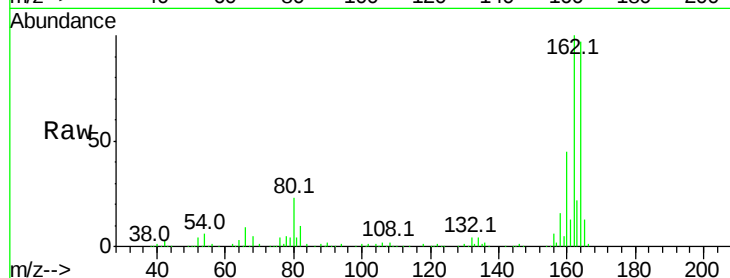
Tot Ion:164 Resp: 207604

Ion Ratio Lower Upper

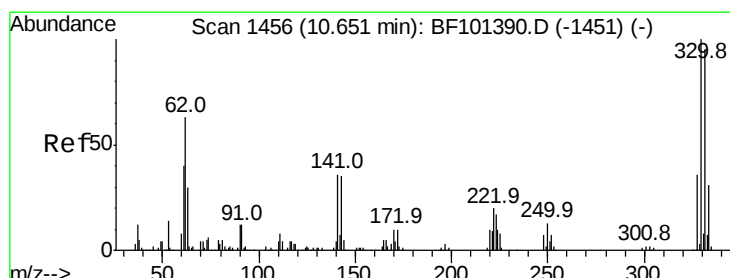
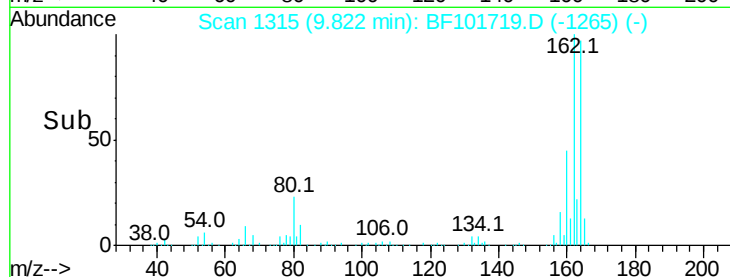
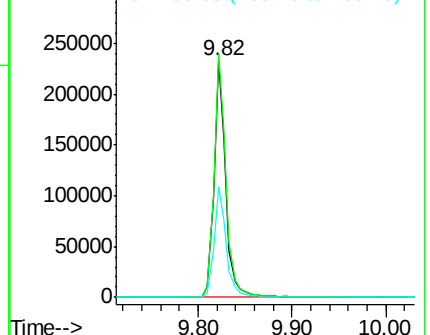
164 100

162 102.9 86.1 129.1

160 46.6 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: 7.407 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

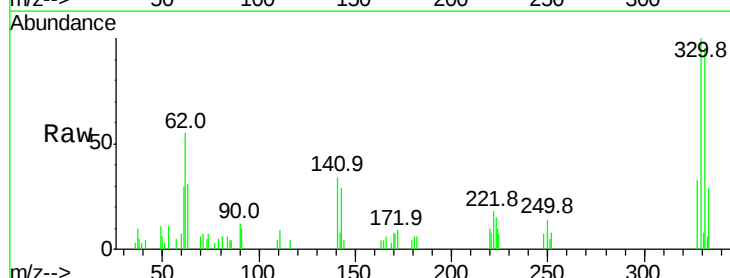
Tgt Ion:330 Resp: 14818

Ion Ratio Lower Upper

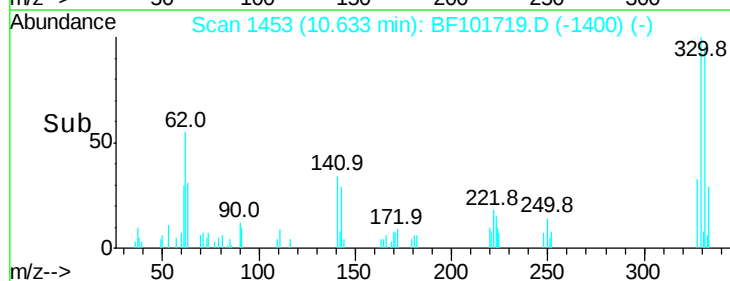
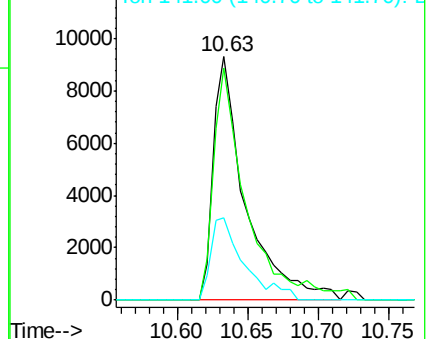
330 100

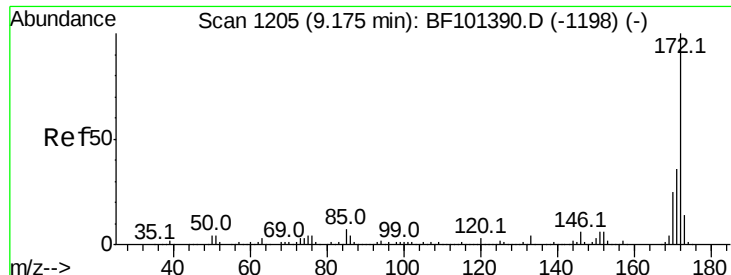
332 97.6 77.0 115.6

141 34.9 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

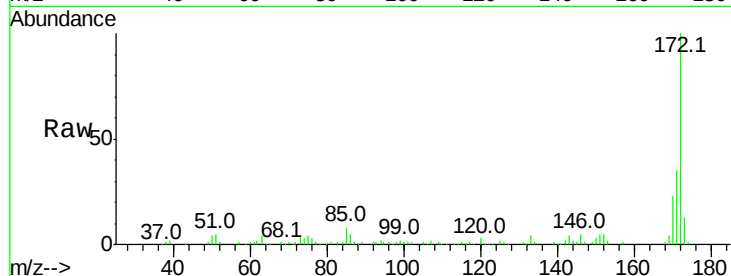




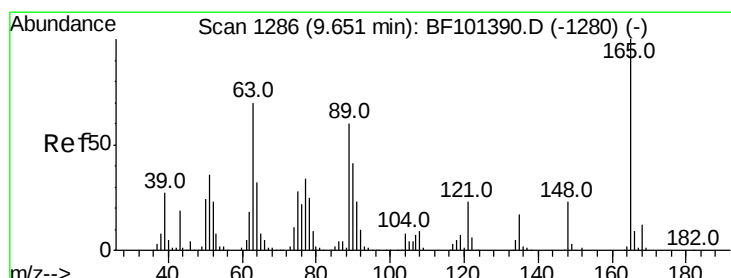
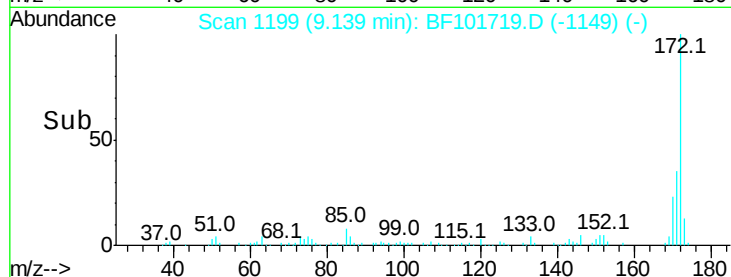
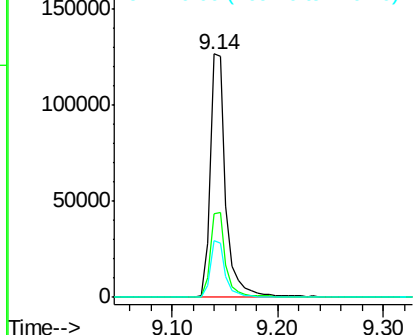
#44
 2-Fluorobiphenyl
 Concen: 9.917 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101719.D
 Acq: 26 Dec 2017 16:54

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01DL

Tot Ion:172 Resp: 132719
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.4 19.6 29.4

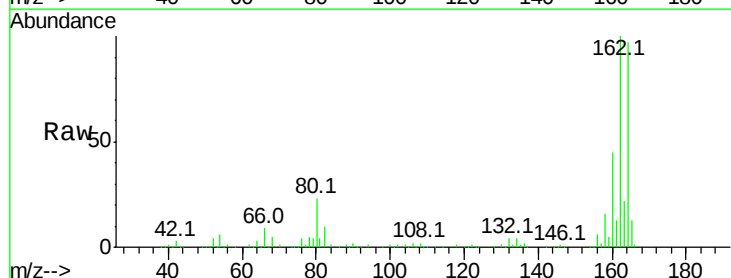


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

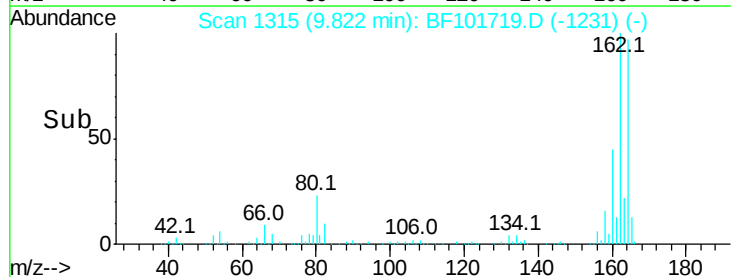
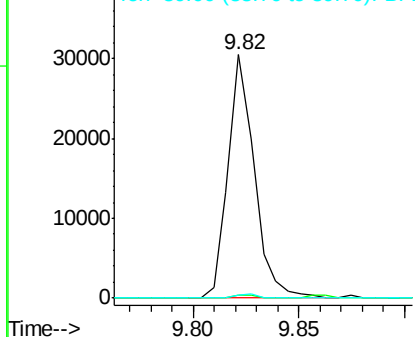


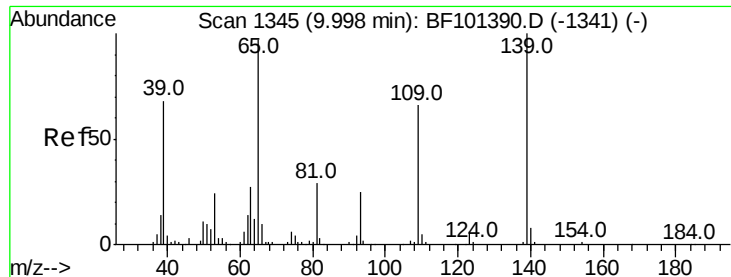
#50
 2,6-Dinitrotoluene
 Concen: 7.745 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101719.D
 Acq: 26 Dec 2017 16:54

Tgt Ion:165 Resp: 26285
 Ion Ratio Lower Upper
 165 100
 63 1.1 44.7 67.1#
 89 1.1 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

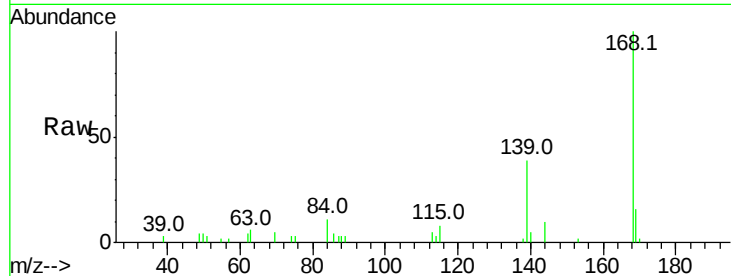




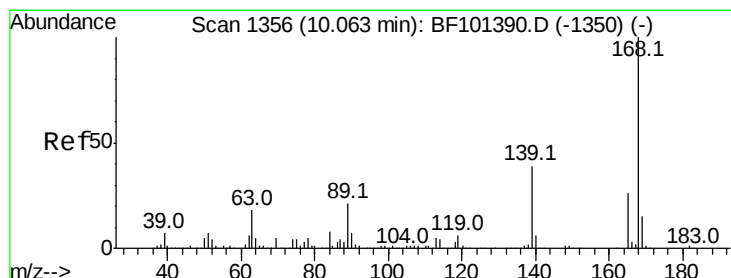
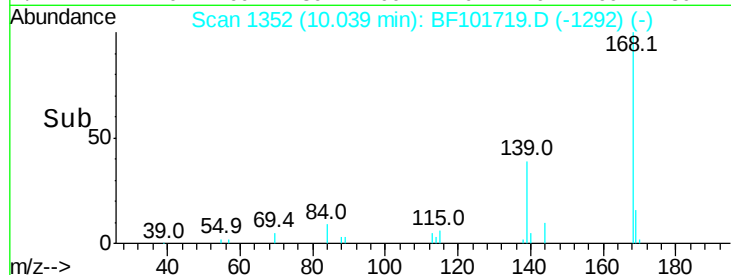
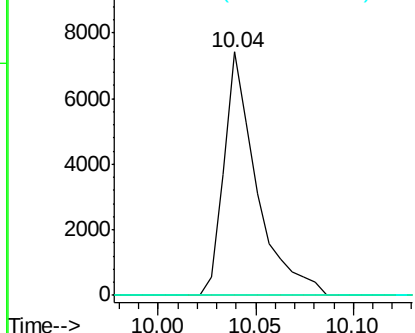
#55
4-Nitrophenol
Concen: 4.667 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.05 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

Tot Ion:139 Resp: 8611
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

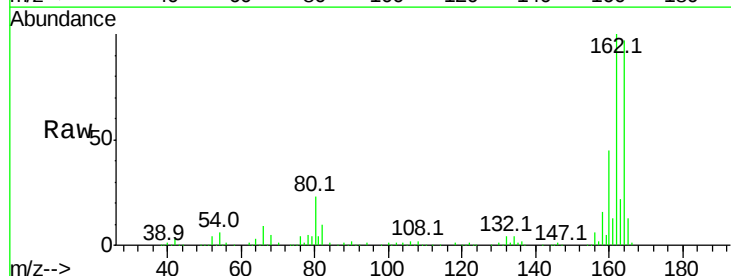


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

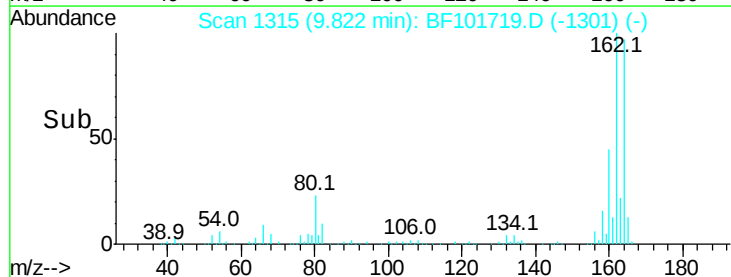
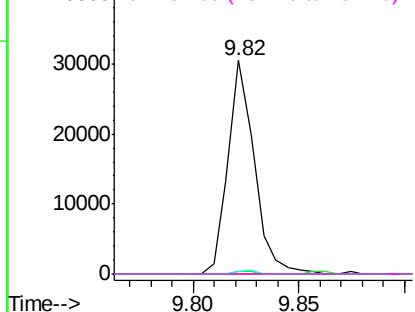


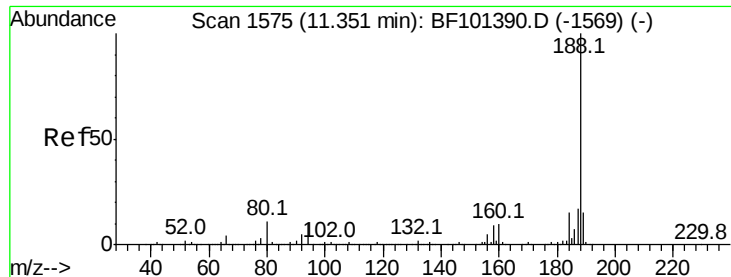
#56
2,4-Dinitrotoluene
Concen: 6.874 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Tgt Ion:165 Resp: 26285
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.1 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

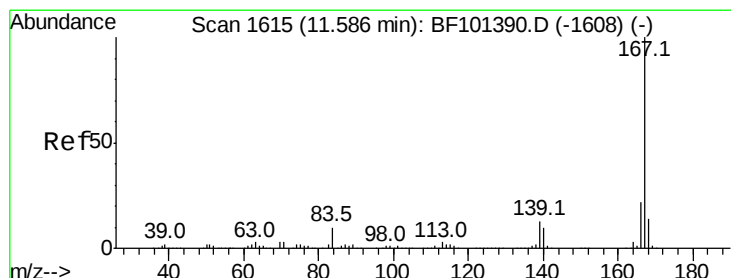
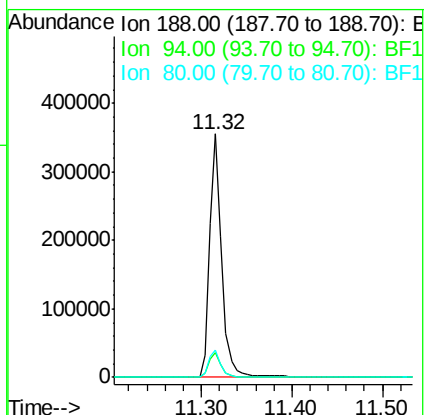
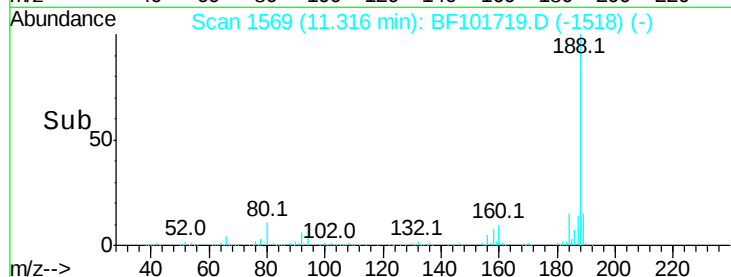
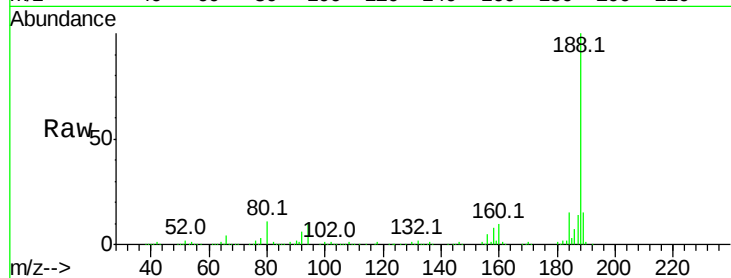
Tot Ion:188 Resp: 334090

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

80 11.2 9.2 13.8



#72

Carbazole

Concen: 2.520 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

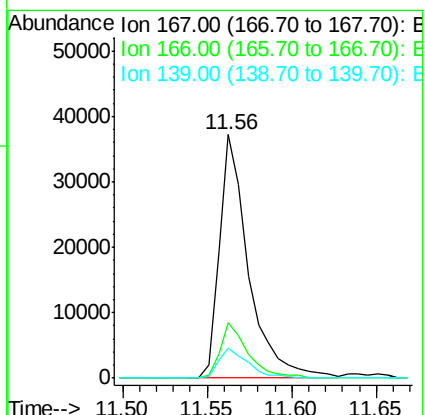
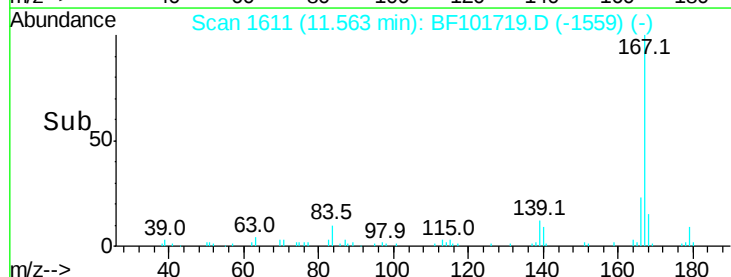
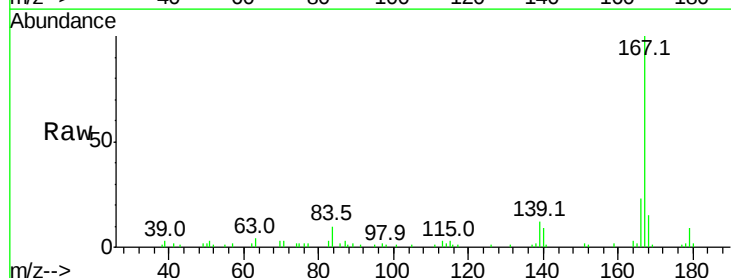
Tgt Ion:167 Resp: 44779

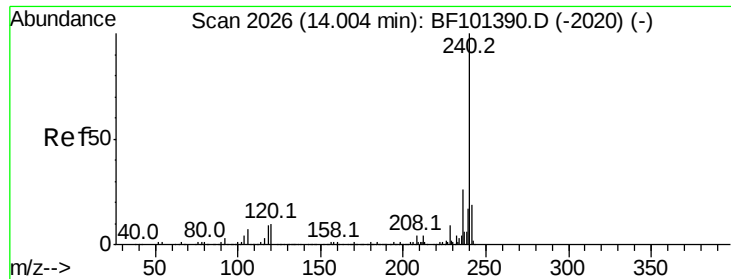
Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

139 12.5 10.9 16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01DL

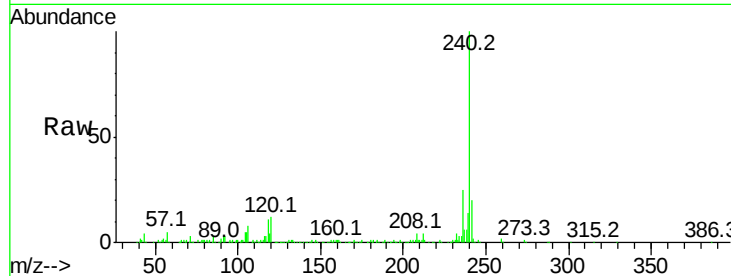
Tot Ion:240 Resp: 263950

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

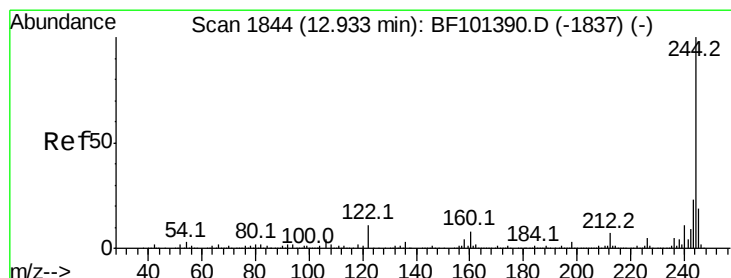
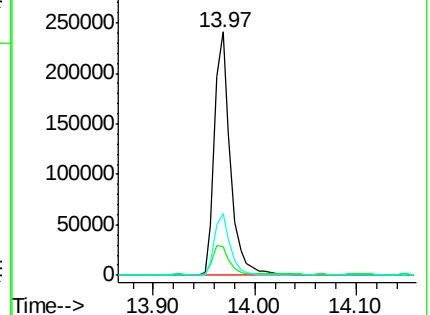
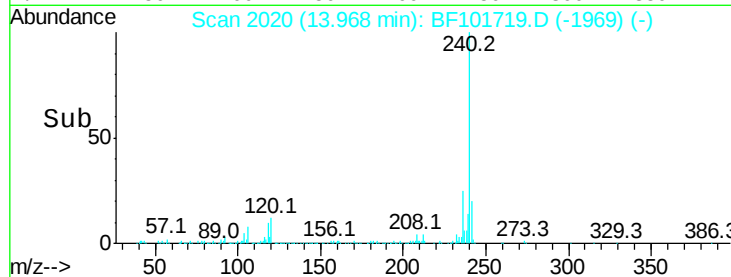
236 25.5 20.7 31.1



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: 8.727 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101719.D

Acq: 26 Dec 2017 16:54

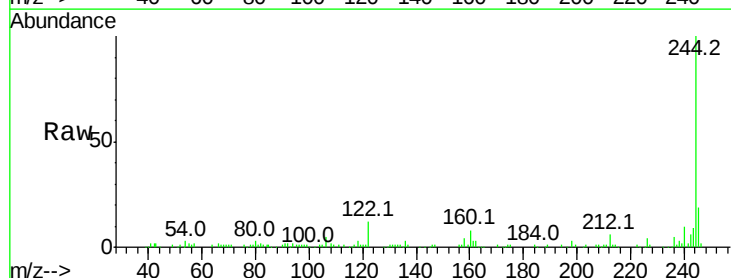
Tgt Ion:244 Resp: 95551

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

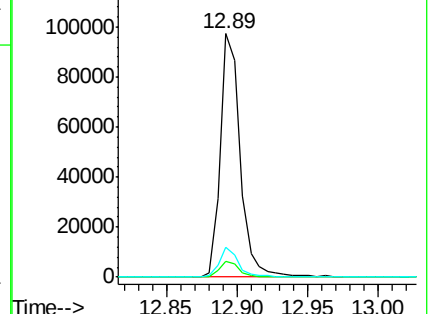
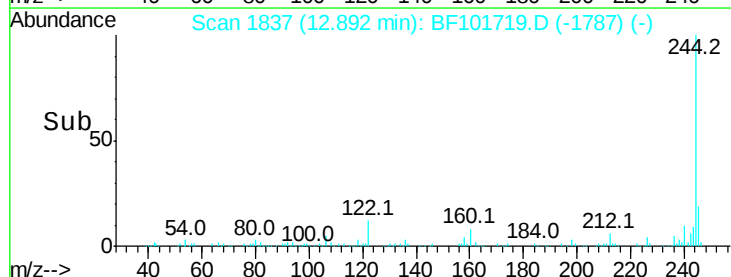
122 12.2 11.0 16.4

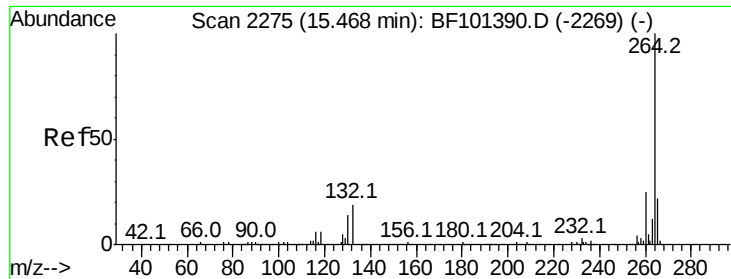


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101719.D
Acq: 26 Dec 2017 16:54

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01DL

Tot Ion:264 Resp: 262682

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3

