

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101707.D
 Acq On : 26 Dec 2017 11:30
 Operator : SJ/JU
 Sample : I6848-03DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01DL

Quant Time: Dec 26 11:57:11 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	124580	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	505880	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	239137	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	484193	20.00	ng	0.00
75) Chrysene-d12	13.96	240	427348	20.00	ng	0.00
86) Perylene-d12	15.43	264	355854	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	49819	5.96	ng	0.05
7) Phenol-d6	6.43	99	76590	7.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	56216	6.19	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	20109	8.73	ng	0.01
44) 2-Fluorobiphenyl	9.15	172	119207	7.73	ng	0.00
78) Terphenyl-d14	12.89	244	146825	8.28	ng	0.00

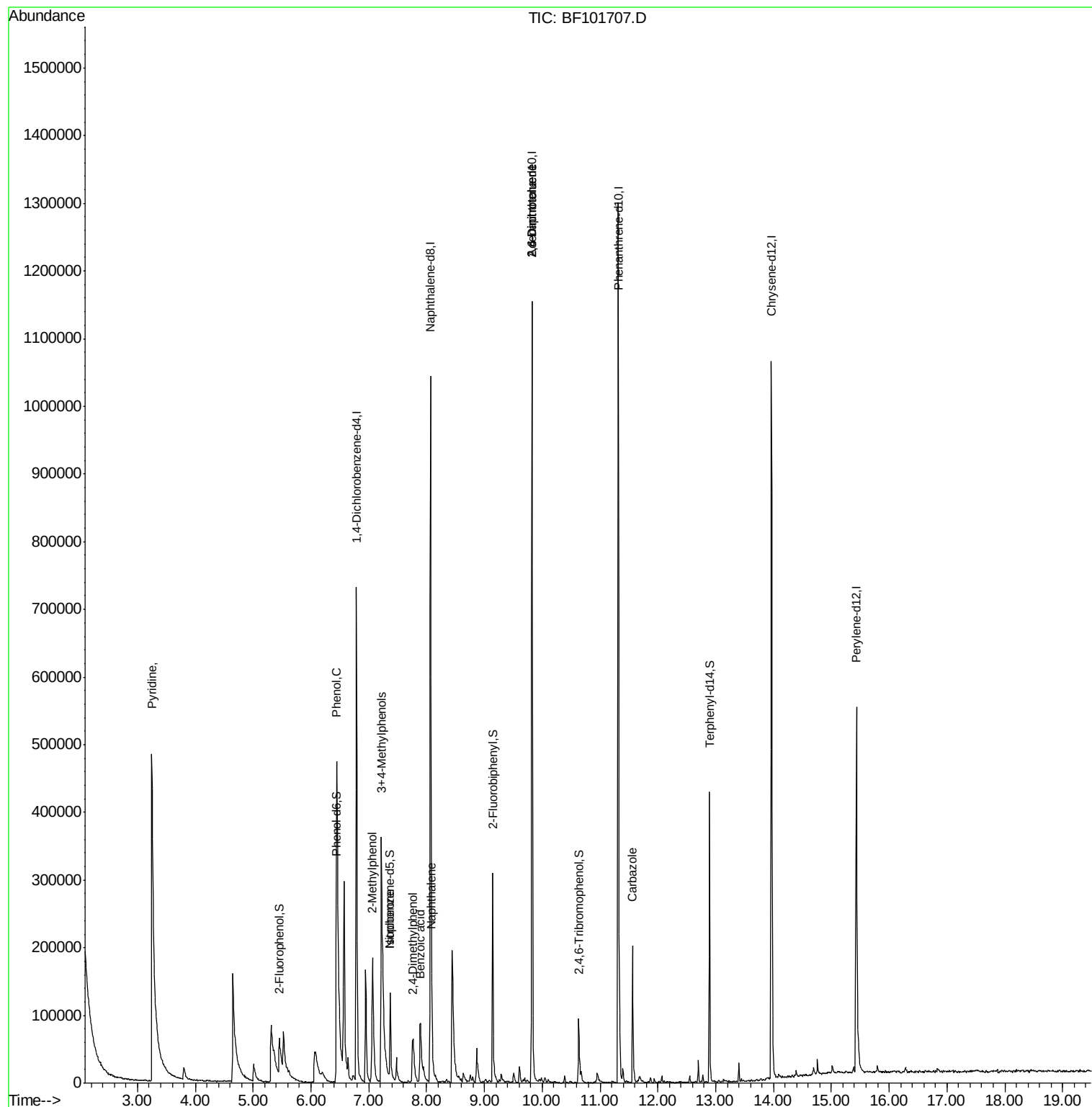
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.25	79	515301	43.158	ng	97
10) Phenol	6.45	94	348730	29.395	ng	98
17) 2-Methylphenol	7.06	107	54938	6.789	ng	98
20) 3+4-Methylphenols	7.22	107	209006	24.372	ng	89
25) Isophorone	7.37	82	56216	3.084	ng	# 64
27) 2,4-Dimethylphenol	7.77	122	33574	4.574	ng	# 85
31) Naphthalene	8.09	128	54318	2.133	ng	# 95
32) Benzoic acid	7.89	122	34779	13.826	ng	# 13
50) 2,6-Dinitrotoluene	9.82	165	29264	7.485	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	29264	6.644	ng	# 23
72) Carbazole	11.56	167	91998	3.573	ng	96

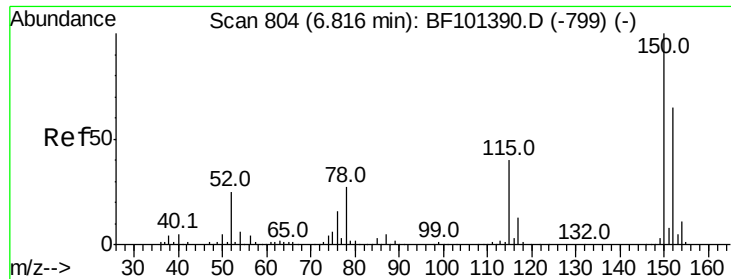
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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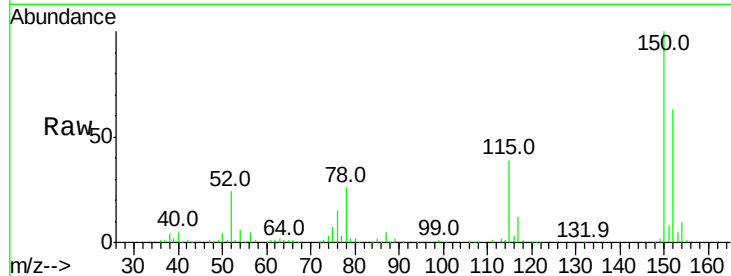


#1

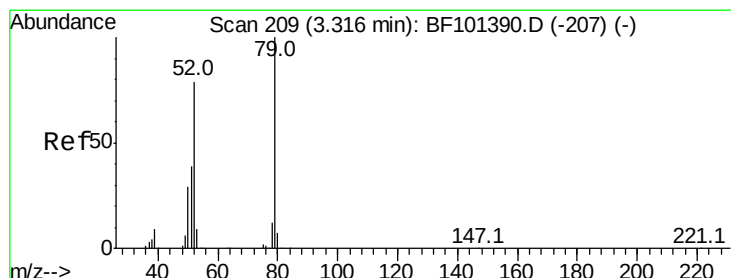
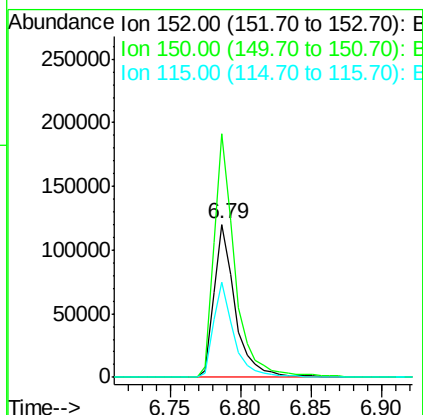
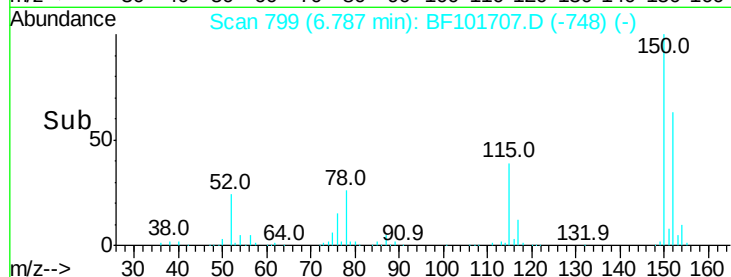
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101707.D
 Acq: 26 Dec 2017 11:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01DL

Tot Ion:152 Resp: 124580
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.6 186.8
 115 62.2 50.1 75.1



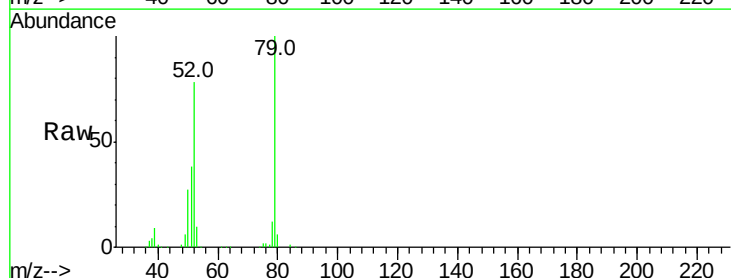
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



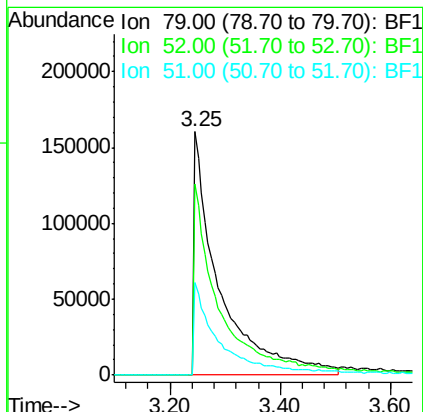
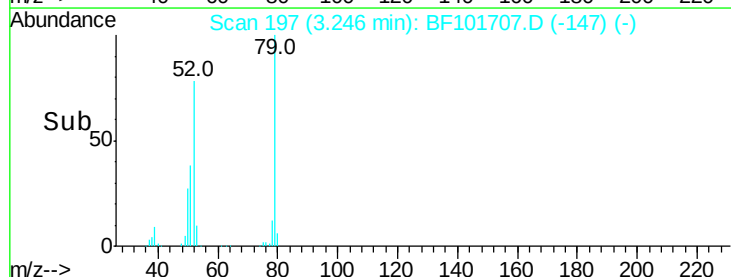
#3

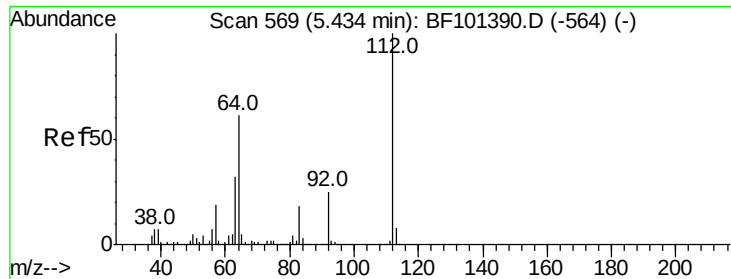
Pyridine
 Concen: 43.158 ng
 RT: 3.25 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: BF101707.D
 Acq: 26 Dec 2017 11:30

Tgt Ion: 79 Resp: 515301
 Ion Ratio Lower Upper
 79 100
 52 78.5 59.8 89.6
 51 38.0 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 5.957 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.05 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Instrument :

BNA_F

ClientSampleId :

WC-9871-01DL

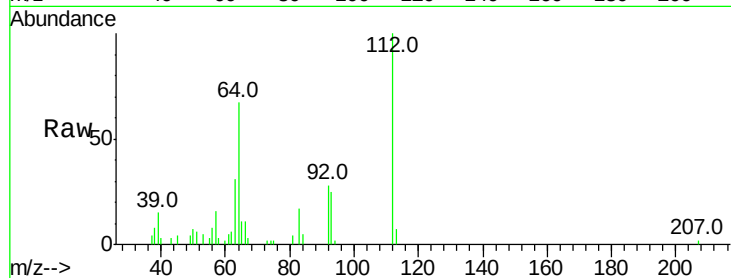
Tot Ion:112 Resp: 49819

Ion Ratio Lower Upper

112 100

64 66.9 47.9 71.9

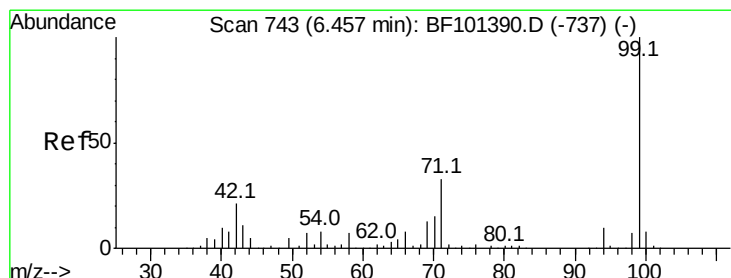
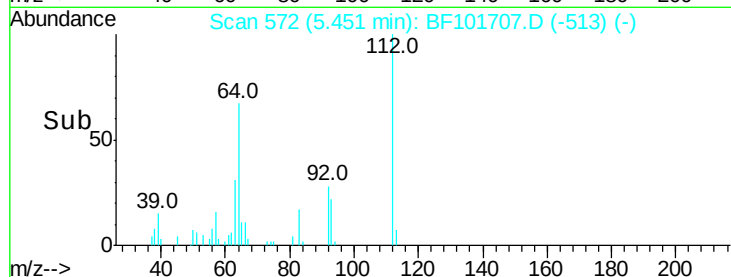
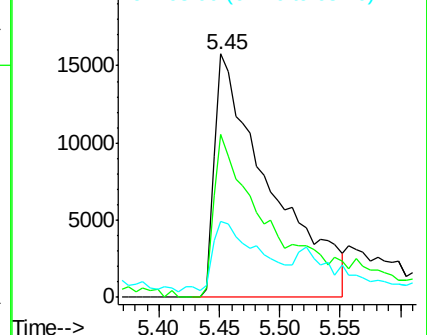
63 31.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 7.358 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

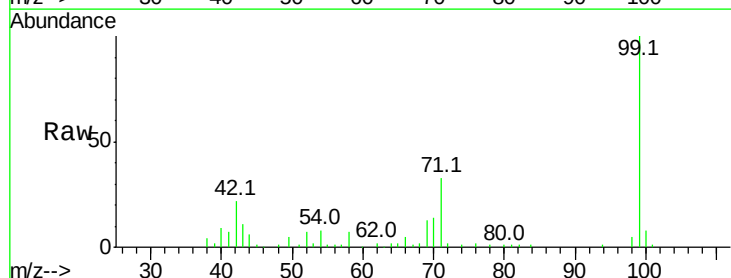
Tgt Ion: 99 Resp: 76590

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7#

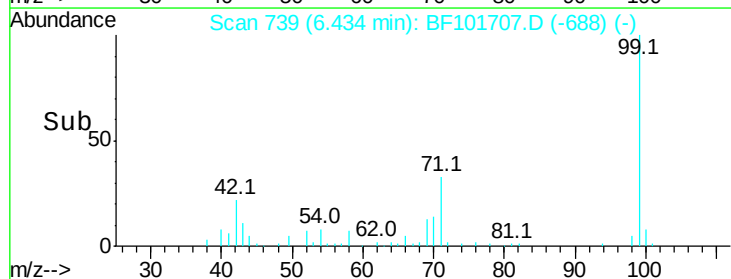
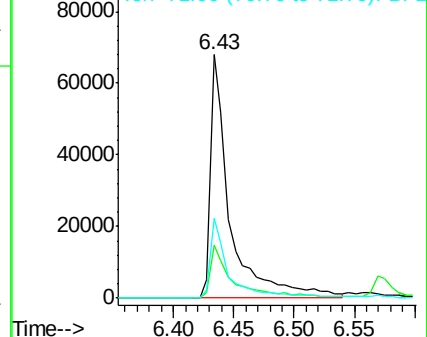
71 32.6 25.4 38.0

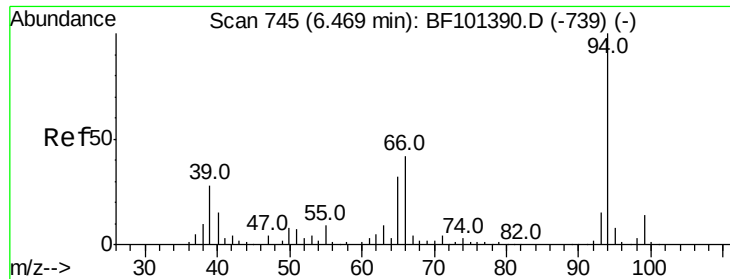


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 29.395 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Instrument :

BNA_F

ClientSampleId :

WC-9871-01DL

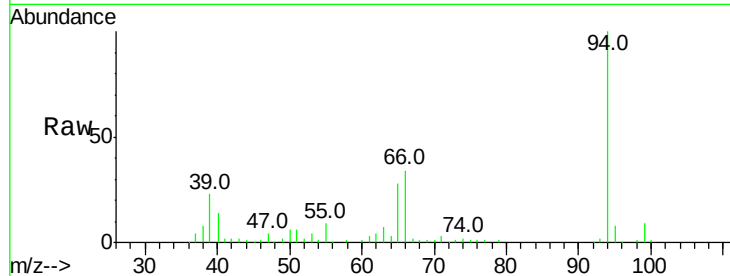
Tot Ion: 94 Resp: 348730

Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

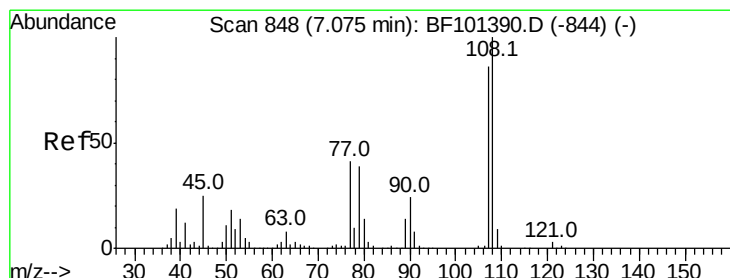
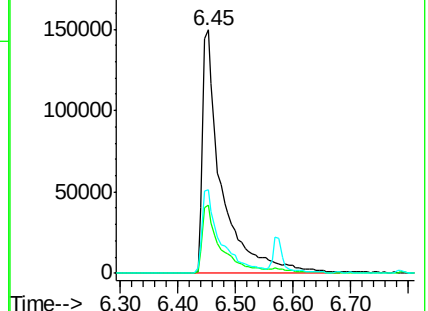
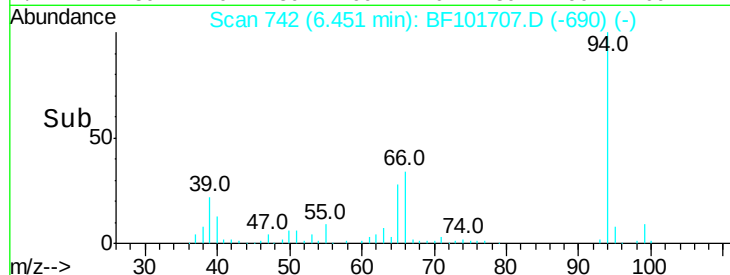
66 34.3 16.2 56.2



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



#17

2-Methylphenol

Concen: 6.789 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Tgt Ion:107 Resp: 54938

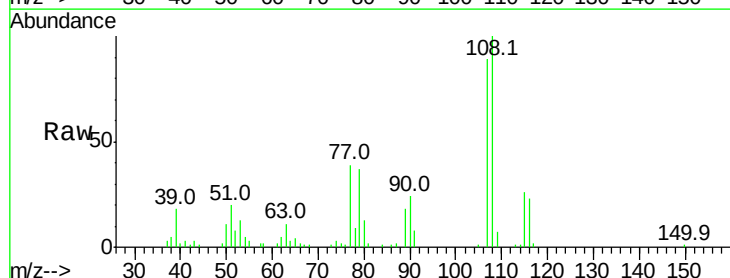
Ion Ratio Lower Upper

107 100

108 111.9 91.7 137.5

77 44.1 33.8 50.8

79 41.5 33.8 50.8

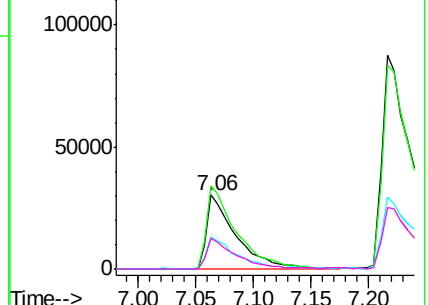
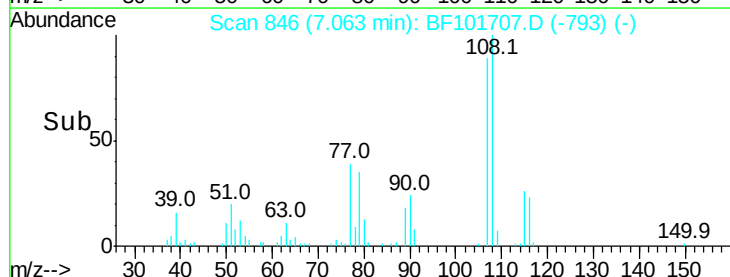


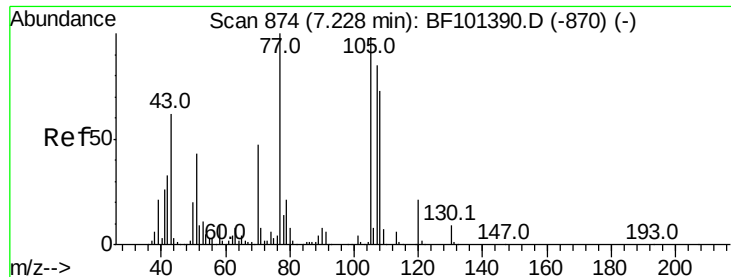
Abundance Ion 107.00 (106.70 to 107.70): E

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





#20

3+4-Methylphenols

Concen: 24.372 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Instrument :

BNA_F

ClientSampleId :

WC-9871-01DL

Tot Ion:107 Resp: 209006

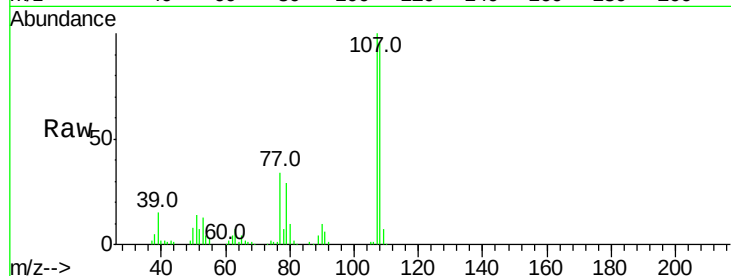
Ion Ratio Lower Upper

107 100

108 95.2 68.2 108.2

77 33.5 26.7 66.7

79 28.8 6.3 46.3

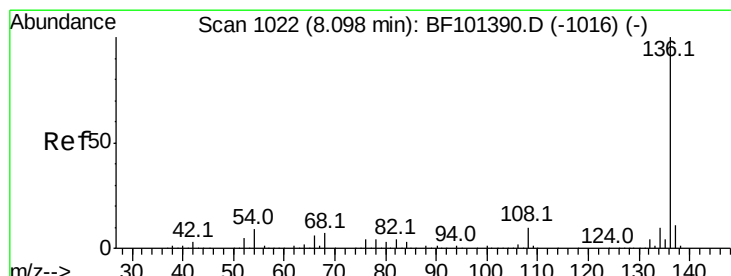
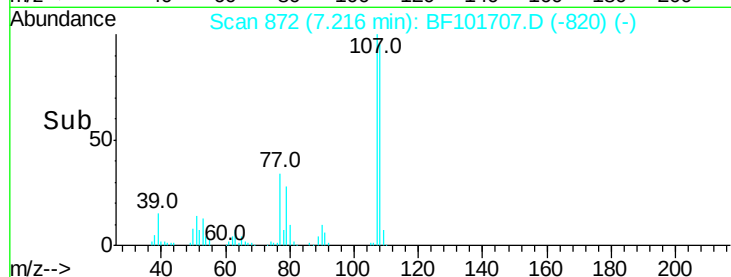
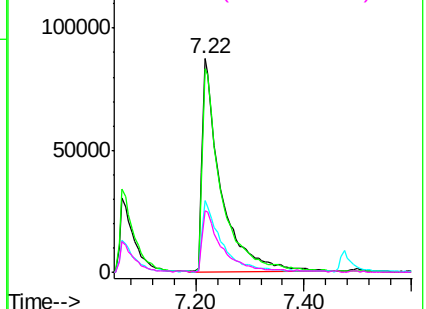


Abundance Ion 107.00 (106.70 to 107.70): E

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: BF101707.D

Acq: 26 Dec 2017 11:30

Tgt Ion:136 Resp: 505880

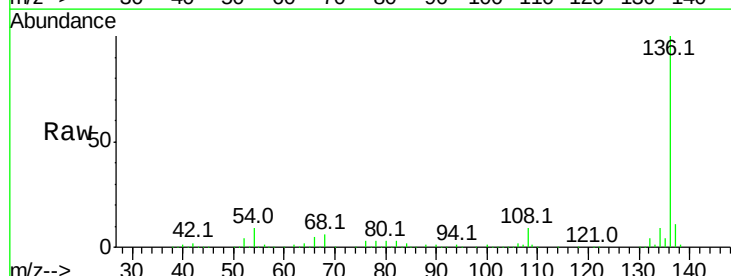
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 6.2 5.0 7.4

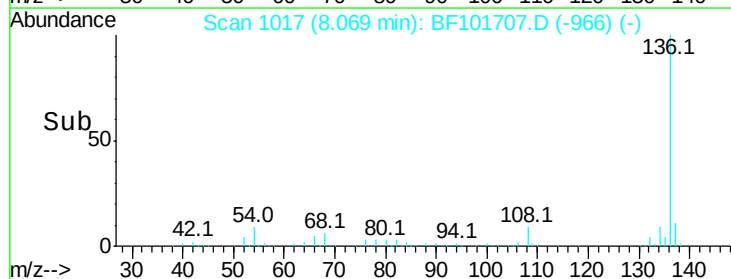
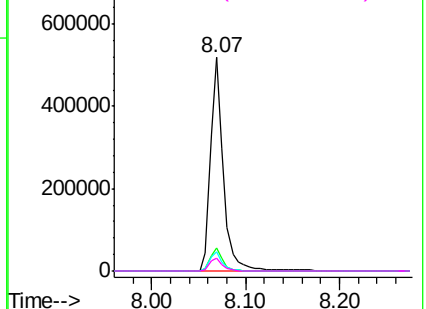


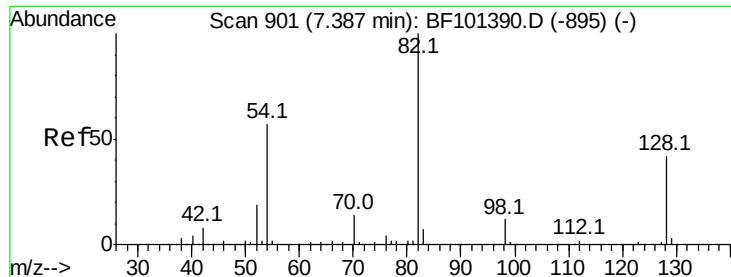
Abundance Ion 136.00 (135.70 to 136.70): E

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

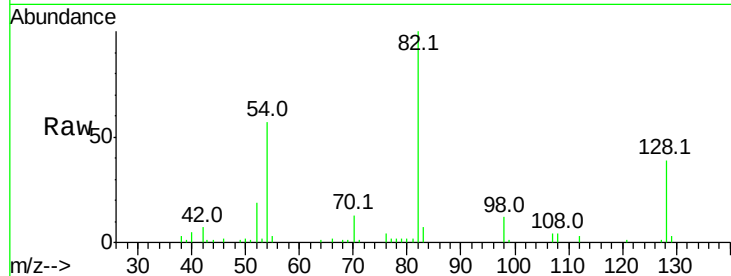




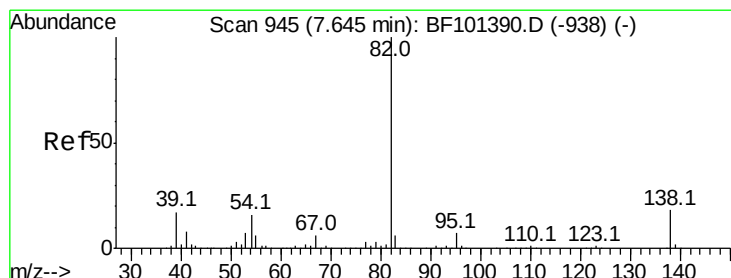
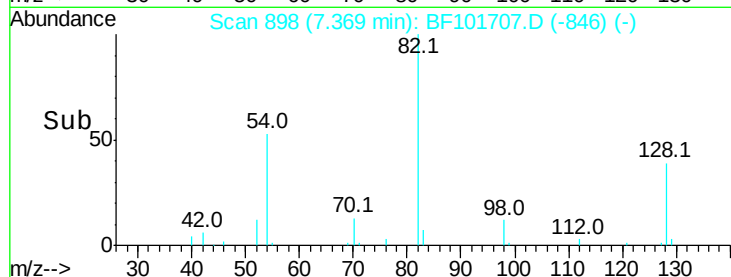
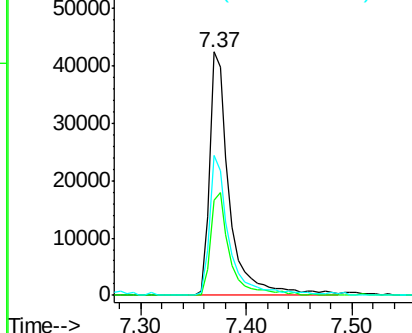
#23
 Nitrobenzene-d5
 Concen: 6.186 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF101707.D
 Acq: 26 Dec 2017 11:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01DL

Tot Ion: 82 Resp: 56216
 Ion Ratio Lower Upper
 82 100
 128 39.1 36.1 54.1
 54 57.4 41.4 62.2

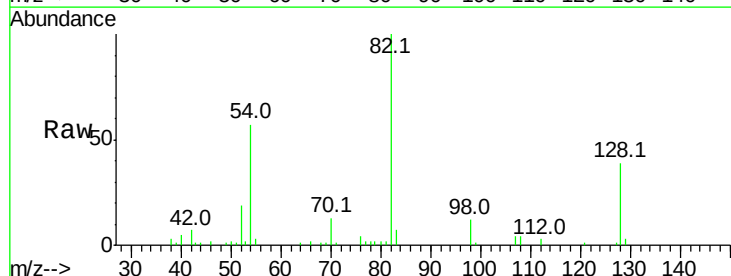


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

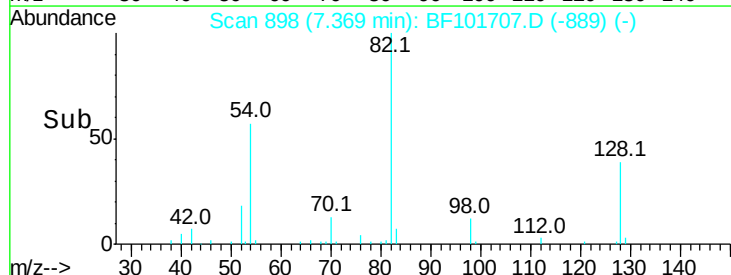
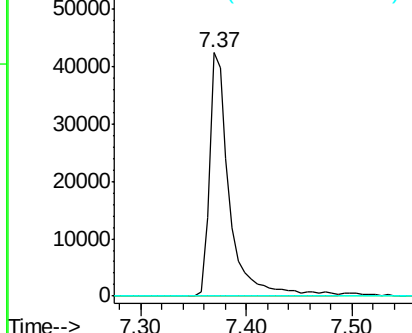


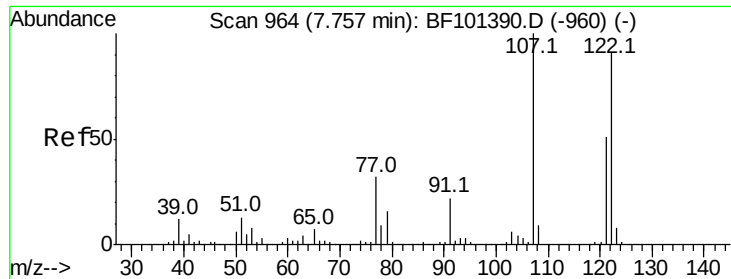
#25
 Isophorone
 Concen: 3.084 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.25 min
 Lab File: BF101707.D
 Acq: 26 Dec 2017 11:30

Tgt Ion: 82 Resp: 56216
 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





#27

2,4-Dimethylphenol

Concen: 4.574 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.04 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Instrument :

BNA_F

ClientSampleId :

WC-9871-01DL

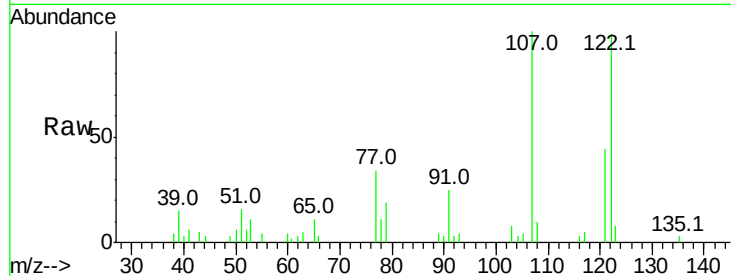
Tot Ion:122 Resp: 33574

Ion Ratio Lower Upper

122 100

107 100.7 91.2 136.8

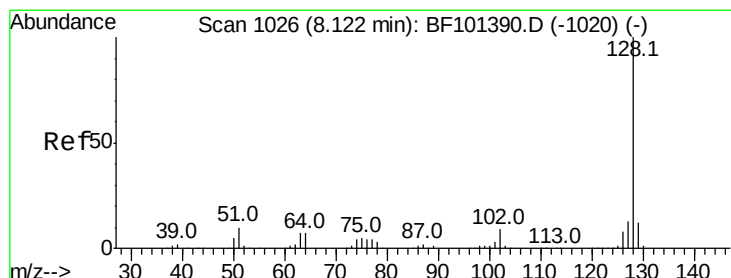
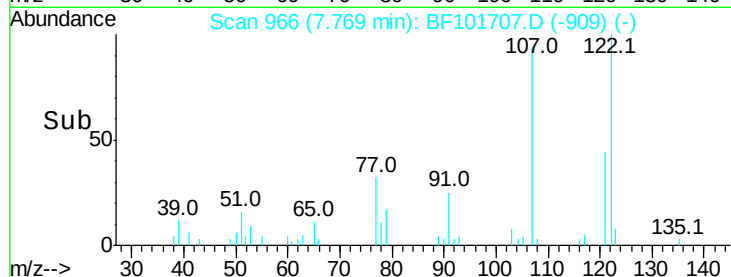
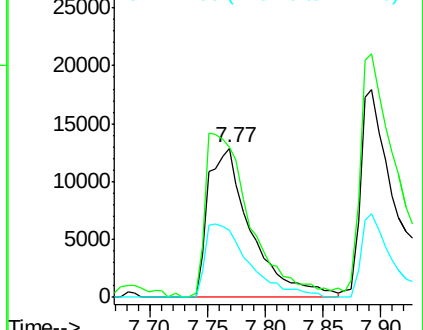
121 44.5 47.2 70.8#



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



#31

Naphthalene

Concen: 2.133 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

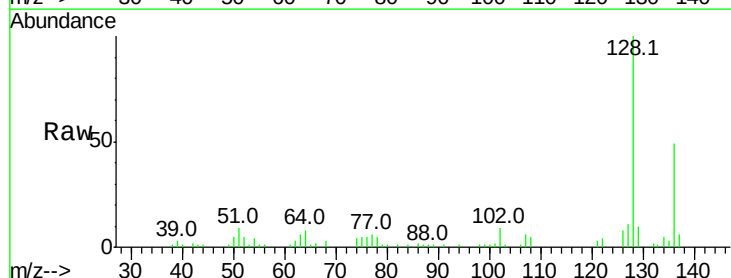
Tgt Ion:128 Resp: 54318

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

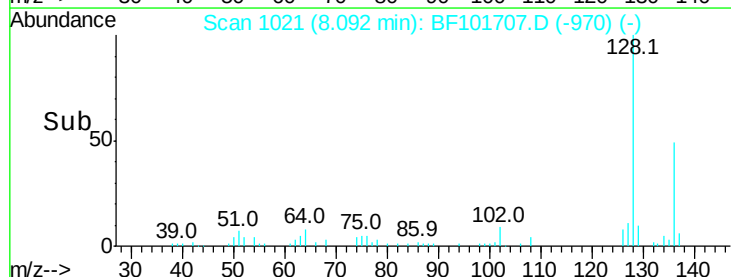
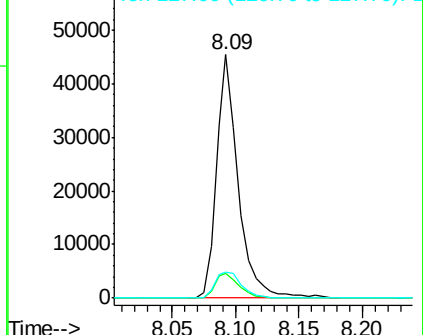
127 10.5 10.9 16.3#

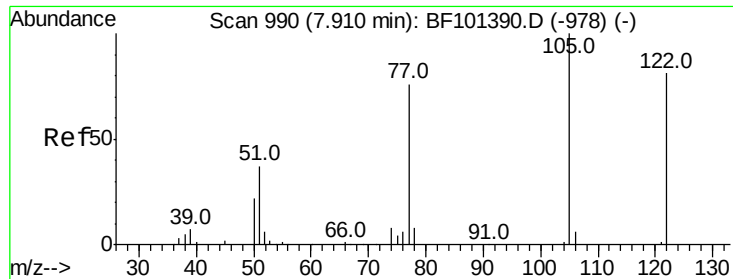


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

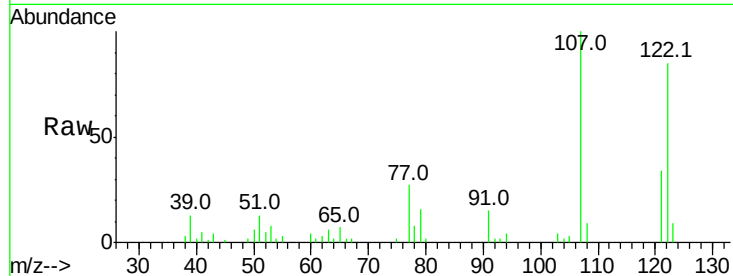




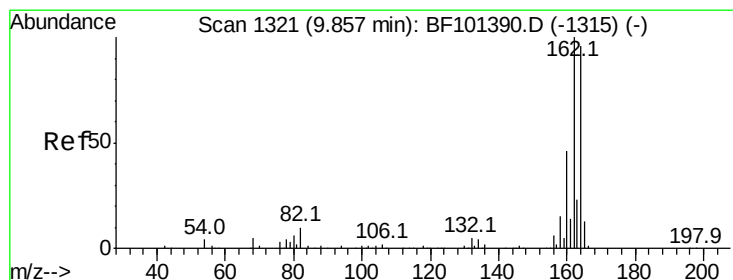
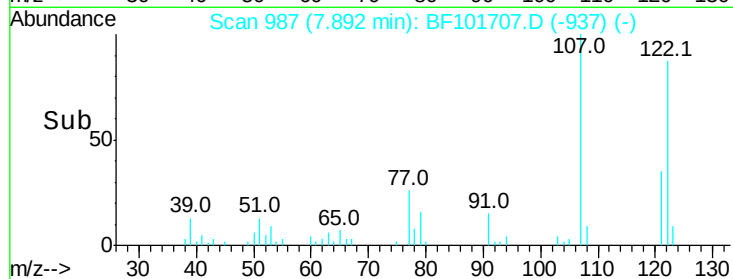
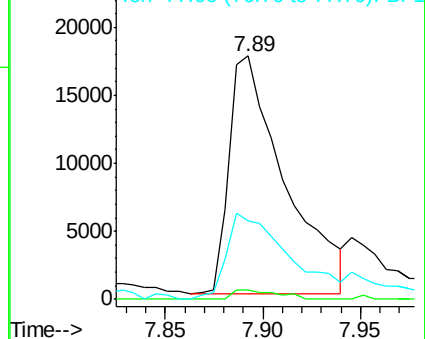
#32
Benzoic acid
Concen: 13.826 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF101707.D
Acq: 26 Dec 2017 11:30

Instrument :
BNA_F
ClientSampleId :
WC-9871-01DL

Tot Ion:122 Resp: 34779
Ion Ratio Lower Upper
122 100
105 3.7 101.1 141.1#
77 32.1 70.7 110.7#

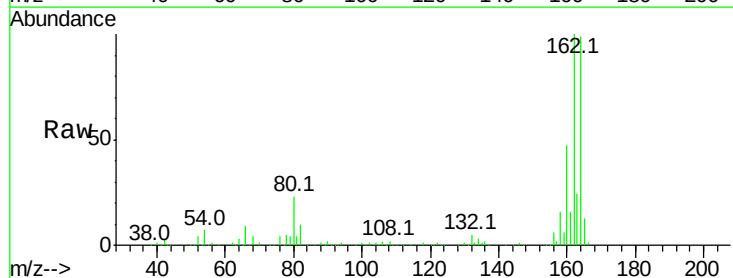


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

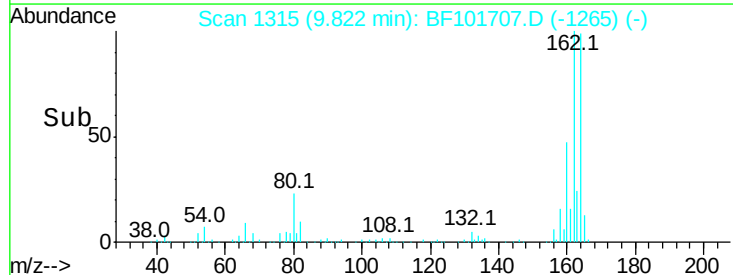
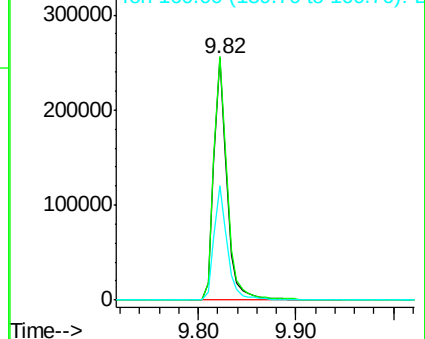


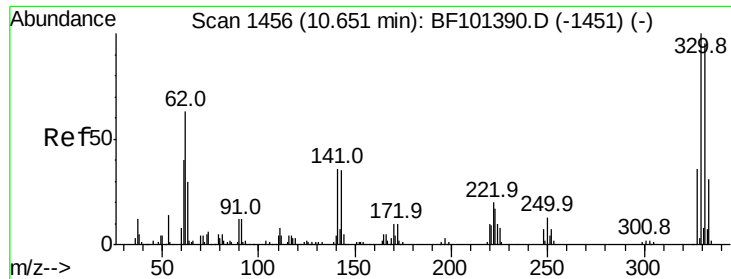
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101707.D
Acq: 26 Dec 2017 11:30

Tgt Ion:164 Resp: 239137
Ion Ratio Lower Upper
164 100
162 100.7 86.1 129.1
160 47.3 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: 8.727 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Instrument :

BNA_F

ClientSampleId :

WC-9871-01DL

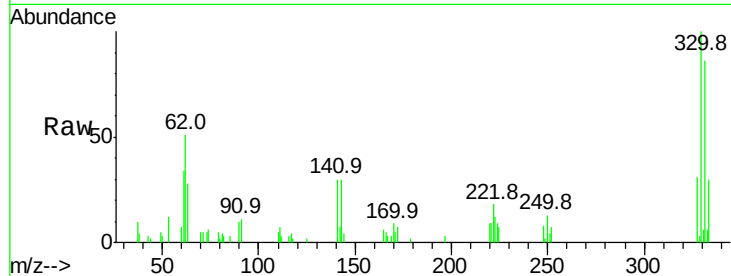
Tot Ion:330 Resp: 20109

Ion Ratio Lower Upper

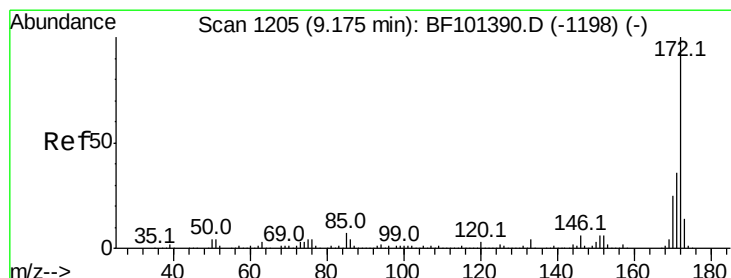
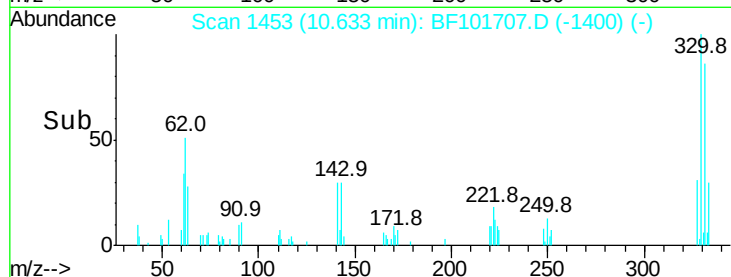
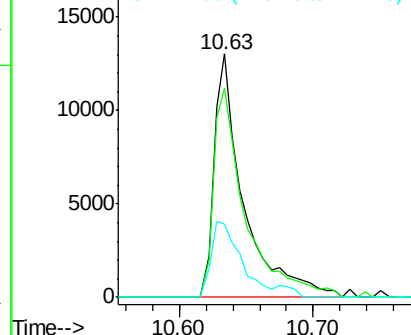
330 100

332 92.6 77.0 115.6

141 31.5 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: 7.733 ng

RT: 9.15 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

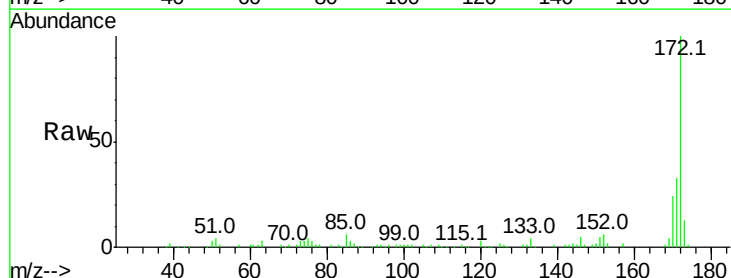
Tgt Ion:172 Resp: 119207

Ion Ratio Lower Upper

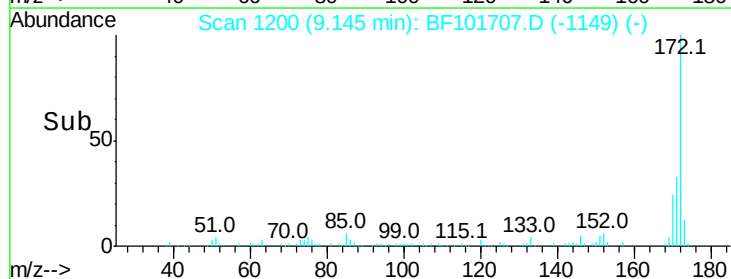
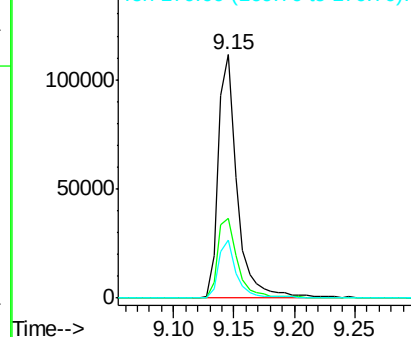
172 100

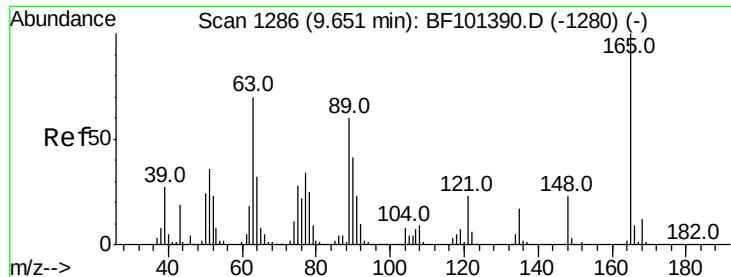
171 32.6 29.7 44.5

170 23.8 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

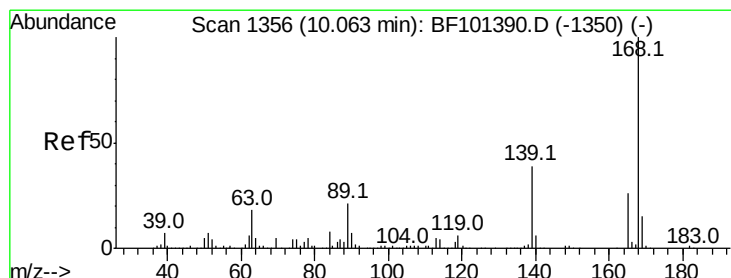
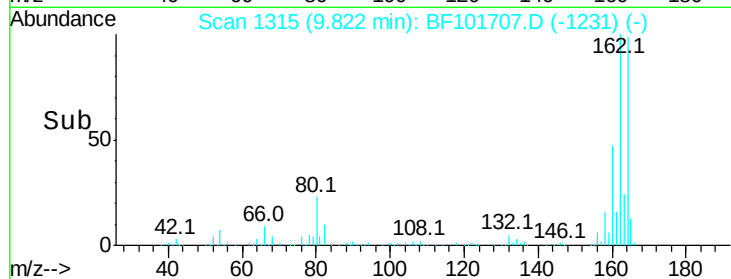
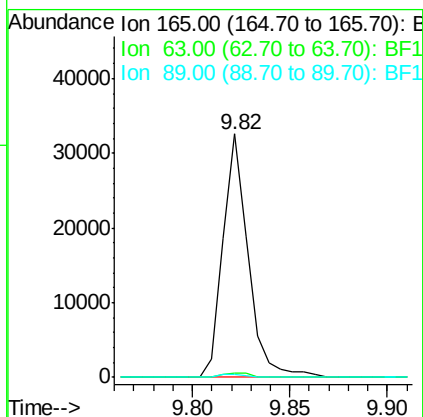
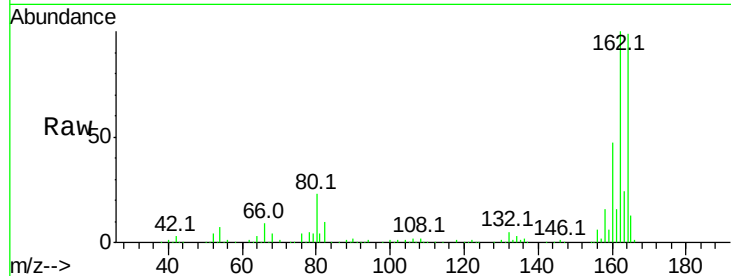




#50
2,6-Dinitrotoluene
Concen: 7.485 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101707.D
Acq: 26 Dec 2017 11:30

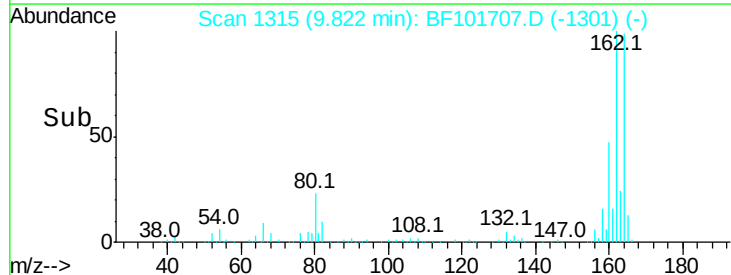
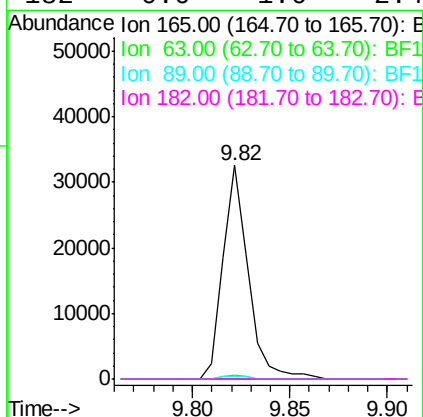
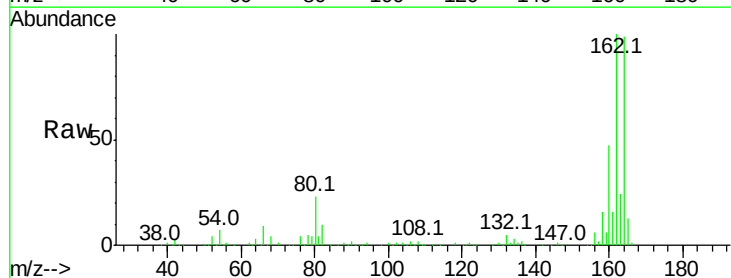
Instrument :
BNA_F
ClientSampleId :
WC-9871-01DL

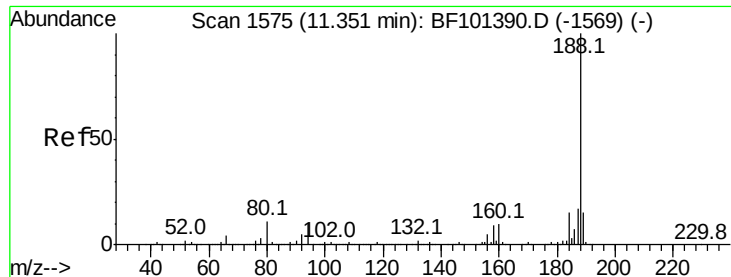
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.644 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101707.D
Acq: 26 Dec 2017 11:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

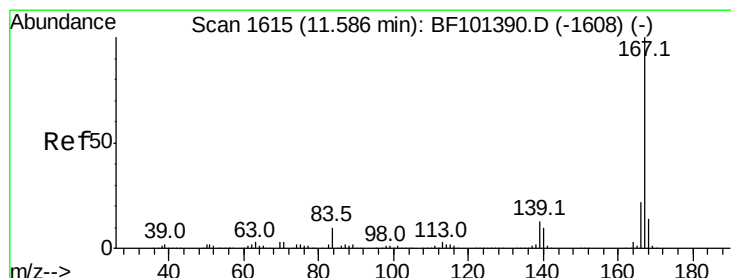
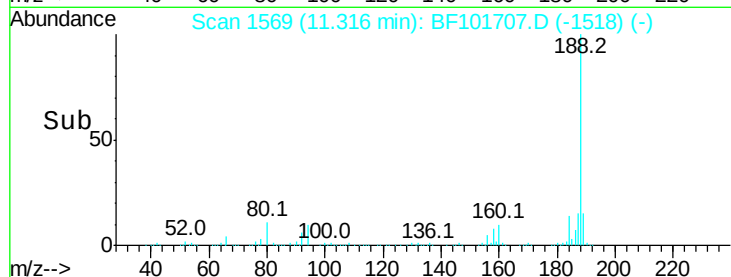
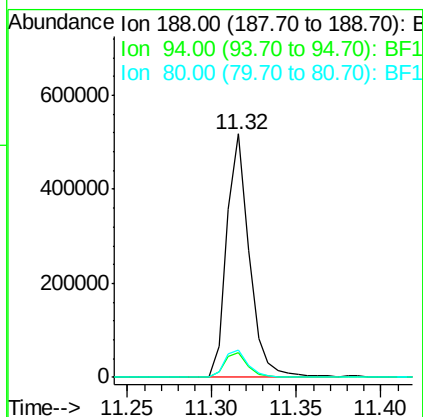
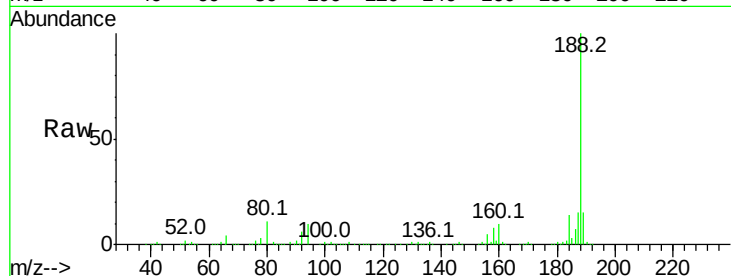




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101707.D
Acq: 26 Dec 2017 11:30

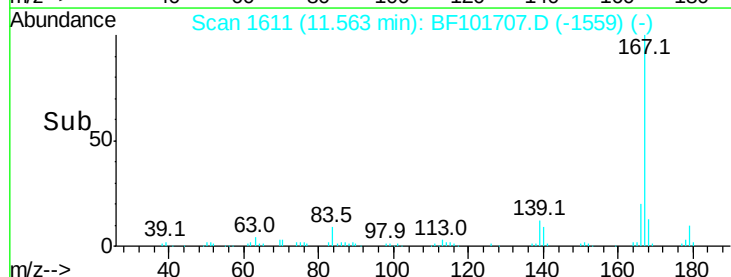
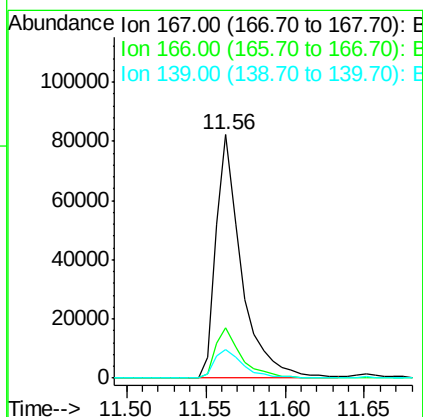
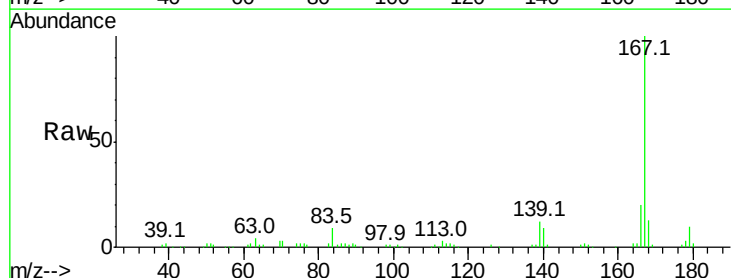
Instrument :
BNA_F
ClientSampleId :
WC-9871-01DL

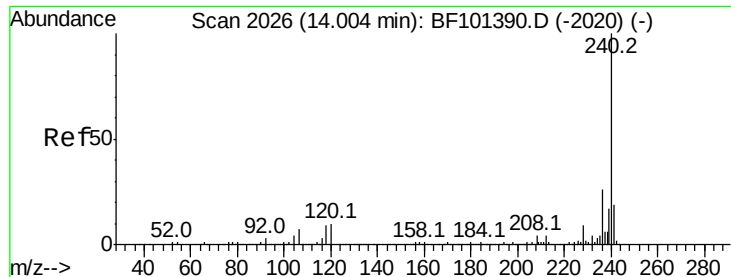
Tot Ion:188 Resp: 484193
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 11.1 9.2 13.8



#72
Carbazole
Concen: 3.573 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF101707.D
Acq: 26 Dec 2017 11:30

Tgt Ion:167 Resp: 91998
Ion Ratio Lower Upper
167 100
166 20.4 17.6 26.4
139 11.6 10.9 16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

Instrument :

BNA_F

ClientSampleID :

WC-9871-01DL

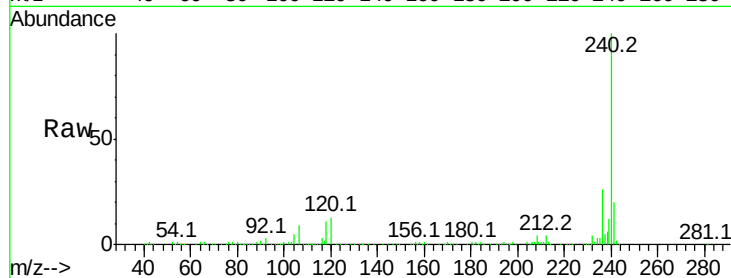
Tot Ion:240 Resp: 427348

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

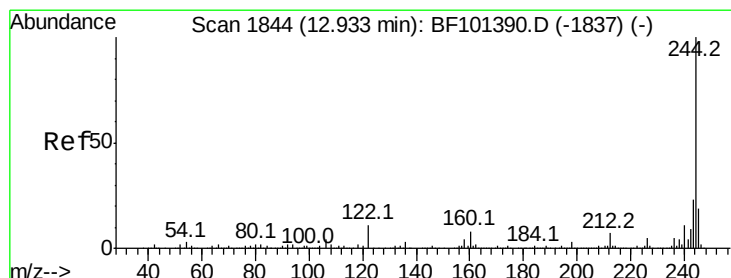
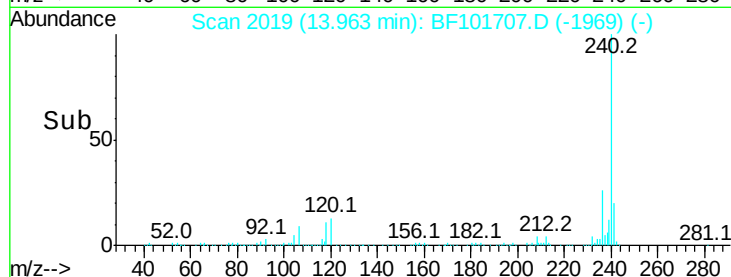
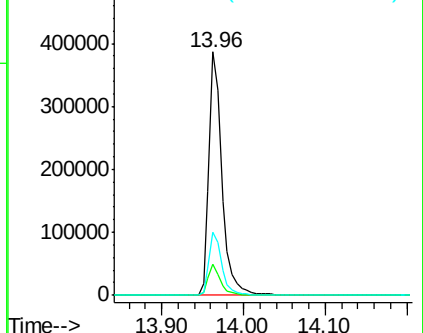
236 26.1 20.7 31.1



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: 8.283 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101707.D

Acq: 26 Dec 2017 11:30

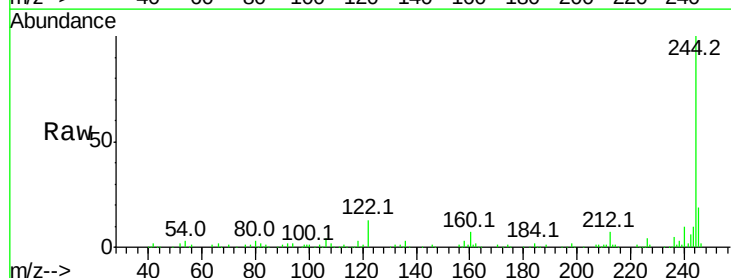
Tgt Ion:244 Resp: 146825

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

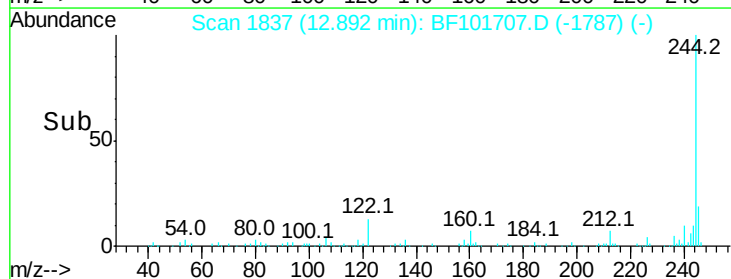
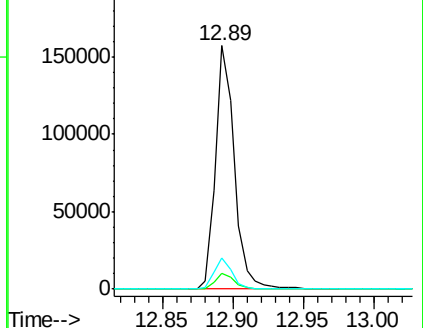
122 12.9 11.0 16.4

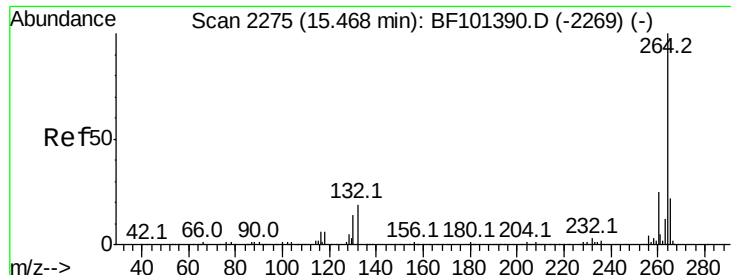


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF101707.D
Acq: 26 Dec 2017 11:30

Instrument :
BNA_F
ClientSampleId :
WC-9871-01DL

Tot Ion:264 Resp: 355854
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 20.9 17.5 26.3

