

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072618\
 Data File : BF107741.D
 Acq On : 27 Jul 2018 11:16
 Operator : JU/SJ
 Sample : J4163-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 12:13:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161337	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	643152	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	284629	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	457605	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	384638	20.00	ng	-0.02
86) Perylene-d12	15.68	264	397404	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	634053	63.19	ng	0.00
7) Phenol-d6	6.60	99	527923	43.81	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1120033	117.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	458538	141.67	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	2078775	158.59	ng	-0.02
78) Terphenyl-d14	13.08	244	1452898	96.70	ng	-0.02

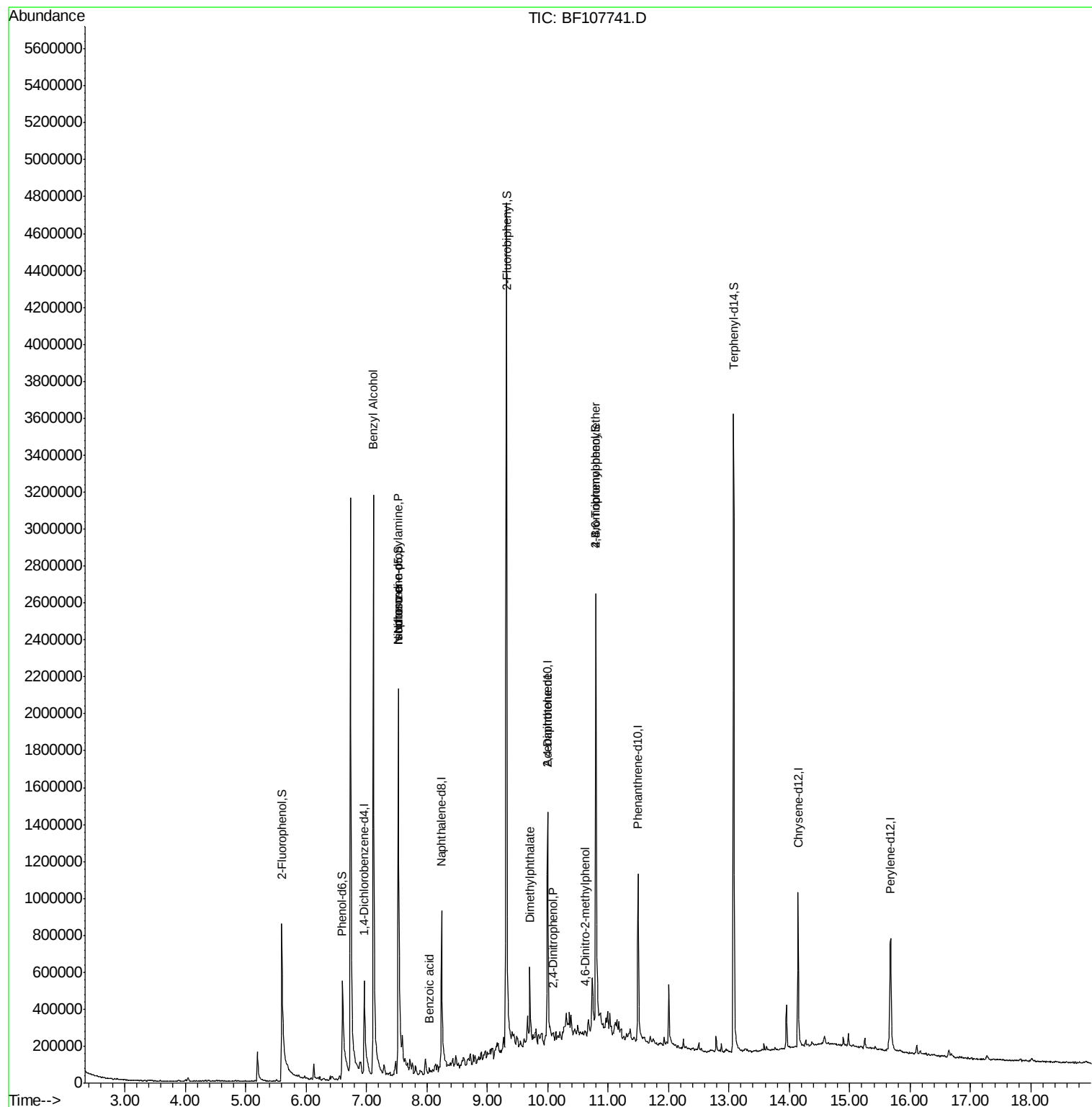
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.11	79	18903	2.302	ng	# 51
19) n-Nitroso-di-n-propylamine	7.53	70	147343	18.929	ng	# 79
25) Isophorone	7.53	82	1120033	55.044	ng	# 64
32) Benzoic acid	8.04	122	111	7.915	ng	# 1
49) Dimethylphthalate	9.71	163	184038	8.579	ng	99
53) 2,4-Dinitrophenol	10.08	184	109	8.355	ng	# 1
56) 2,4-Dinitrotoluene	10.00	165	36445	7.089	ng	# 29
64) 4,6-Dinitro-2-methylphenol	10.62	198	814	8.983	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	27735	5.149	ng	# 1
73) Di-n-butylphthalate	12.04	149	4219	Below Cal		# 68
81) 3,3'-Dichlorobenzidine	14.08	252	162	Below Cal		# 1

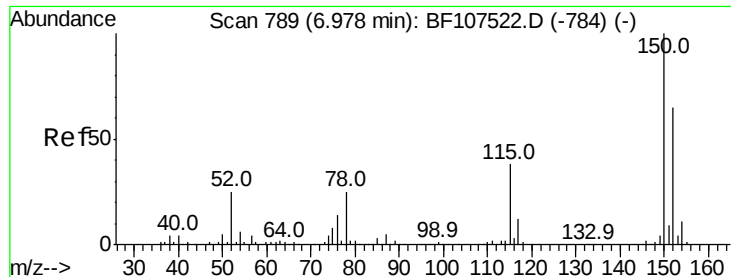
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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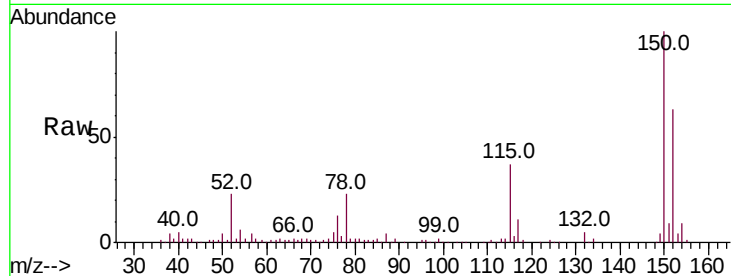


#1

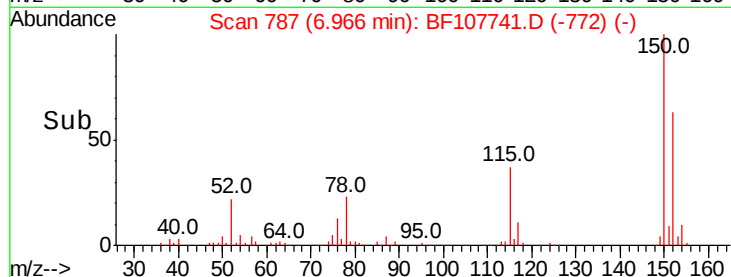
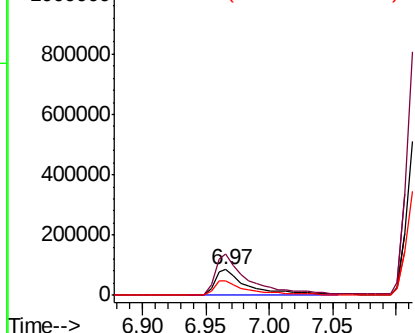
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161337
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 58.4 50.1 75.1



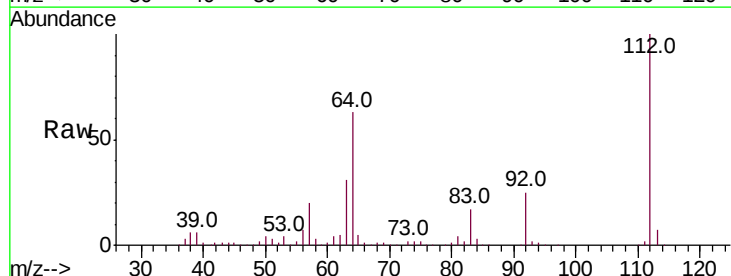
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



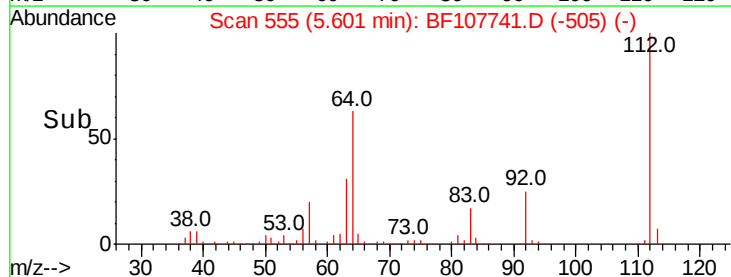
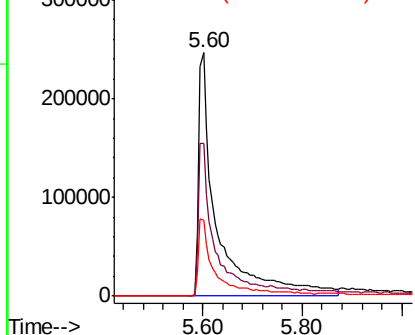
#5

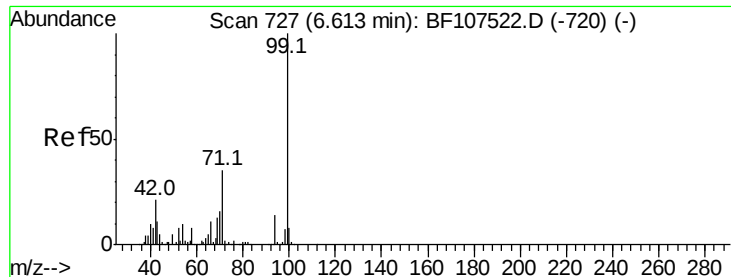
2-Fluorophenol
Concen: 63.187 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

Tgt Ion:112 Resp: 634053
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 31.3 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: 43.815 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107741.D

Acq: 27 Jul 2018 11:16

Instrument :

BNA_F

ClientSampled :

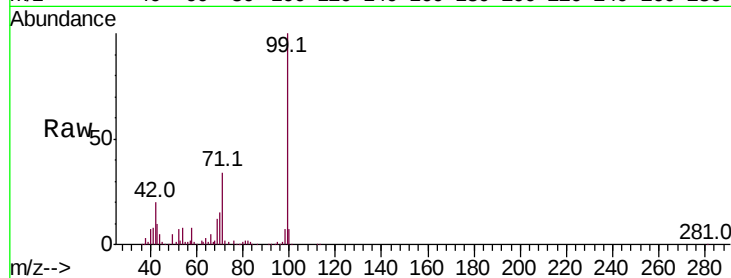
Tot Ion: 99 Resp: 527923

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
250000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

200000

150000

100000

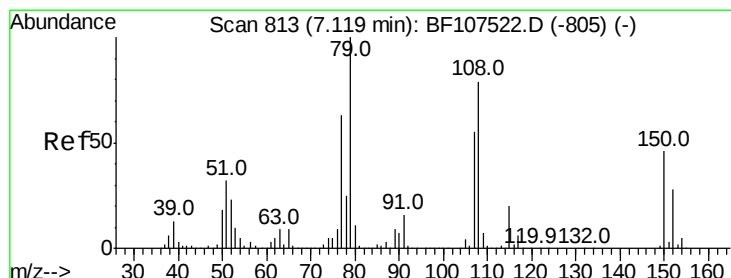
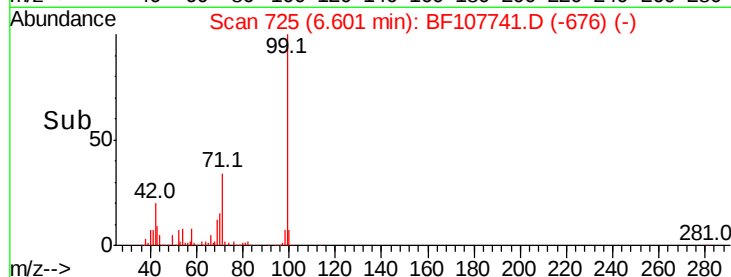
50000

0

6.60

6.80

Time-->



#15

Benzyl Alcohol

Concen: 2.302 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF107741.D

Acq: 27 Jul 2018 11:16

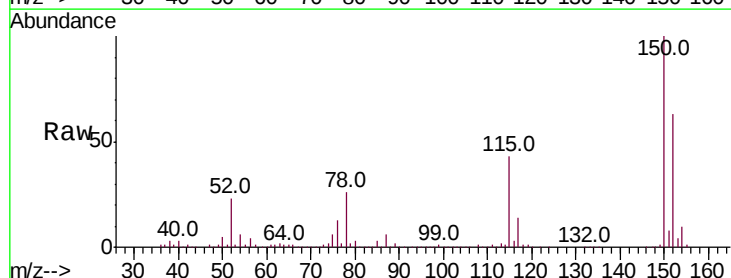
Tgt Ion: 79 Resp: 18903

Ion Ratio Lower Upper

79 100

108 30.1 65.1 97.7#

77 93.2 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
20000
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

15000

10000

5000

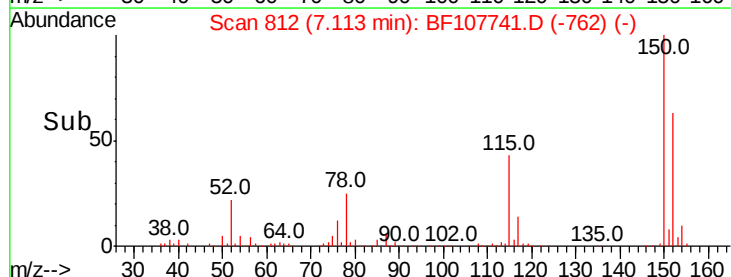
0

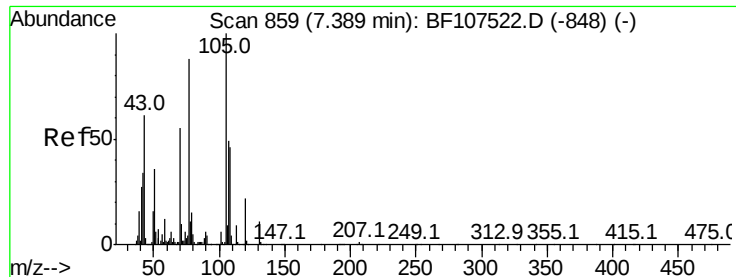
7.11

7.15

7.20

Time-->

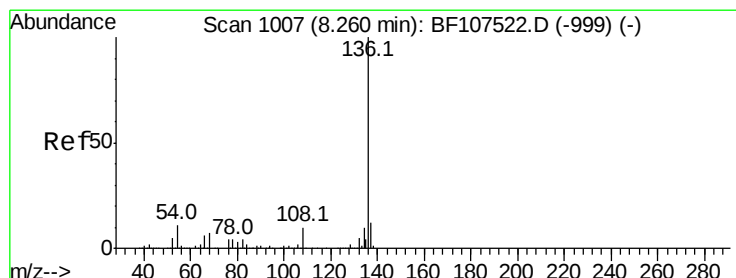
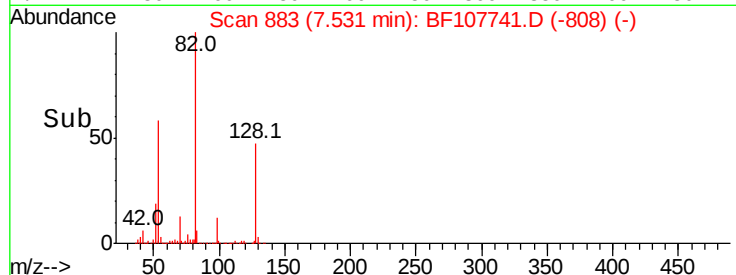
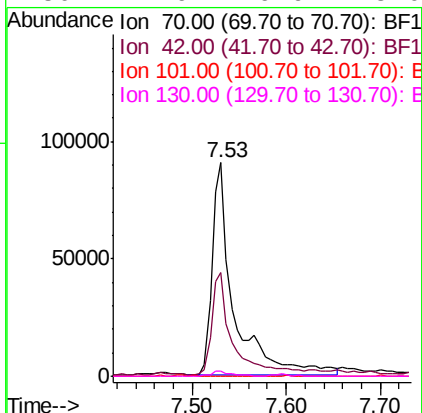
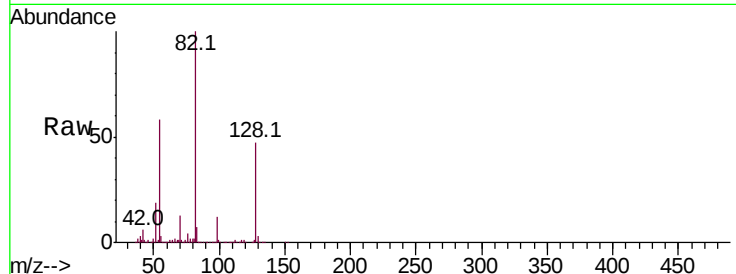




#19
n-Nitroso-di-n-propylamine
Concen: 18.929 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

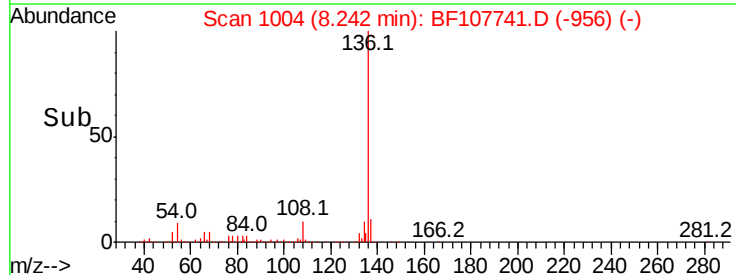
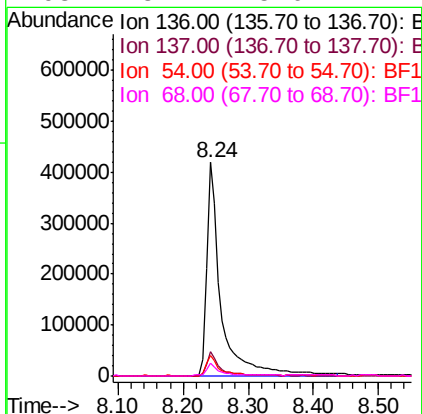
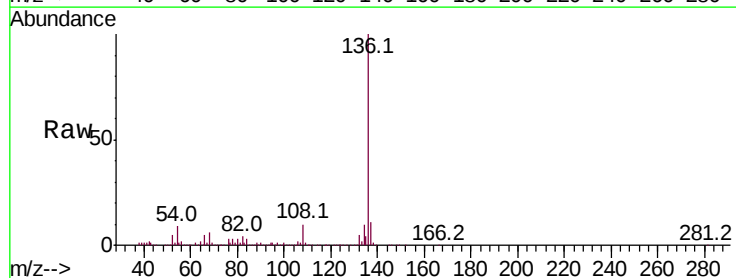
Instrument :
BNA_F
ClientSampled :

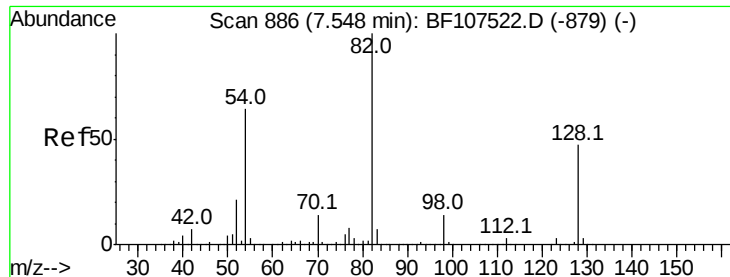
Tot Ion: 70 Resp: 147343
Ion Ratio Lower Upper
70 100
42 48.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

Tgt Ion: 136 Resp: 643152
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.5 6.6 9.8
68 5.7 5.0 7.4

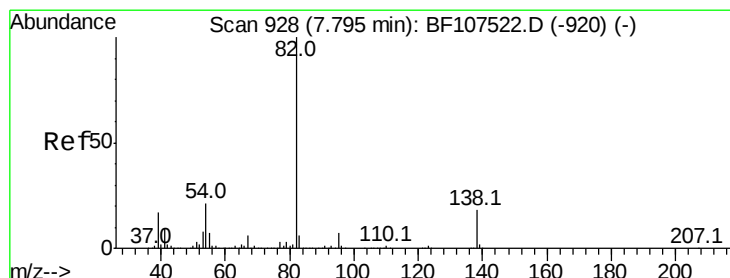
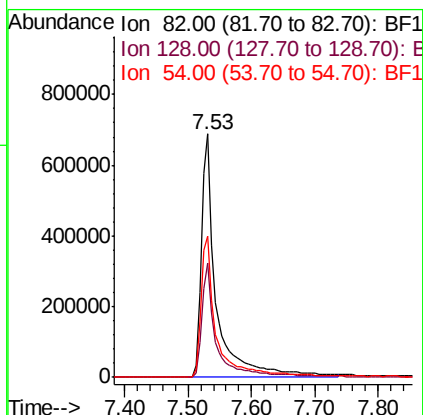
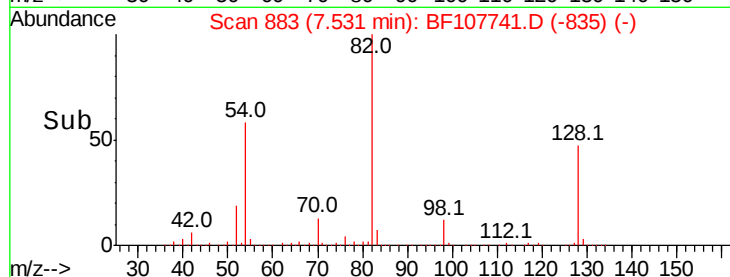
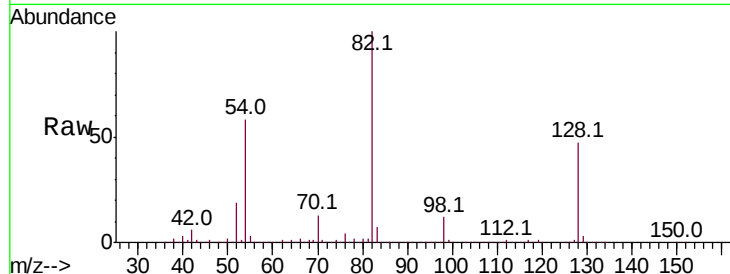




#23
Nitrobenzene-d5
Concen: 117.528 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

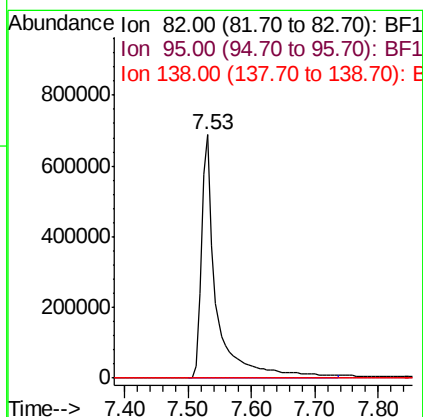
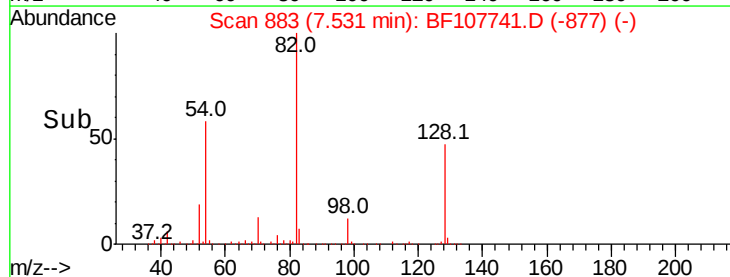
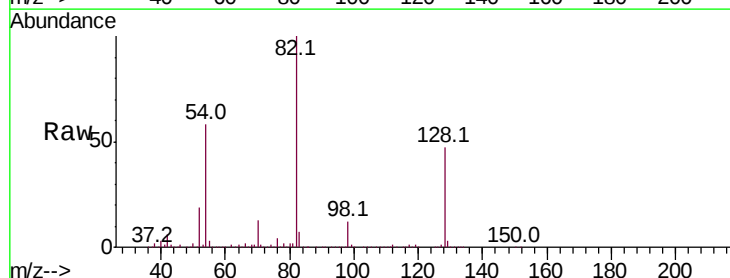
Instrument :
BNA_F
ClientSampled :

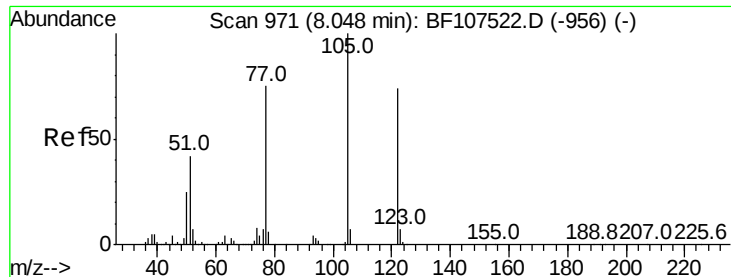
Tot Ion: 82 Resp: 1120033
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 58.0 41.4 62.2



#25
Isophorone
Concen: 55.044 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

Tgt Ion: 82 Resp: 1120033
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 7.915 ng

RT: 8.04 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF107741.D

Acq: 27 Jul 2018 11:16

Instrument :

BNA_F

ClientSampled :

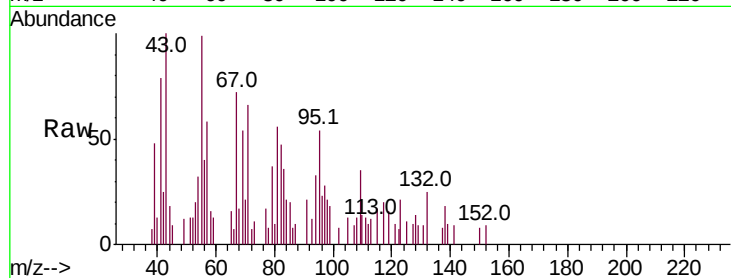
Tot Ion:122 Resp: 111

Ion Ratio Lower Upper

122 100

105 193.0 101.1 141.1#

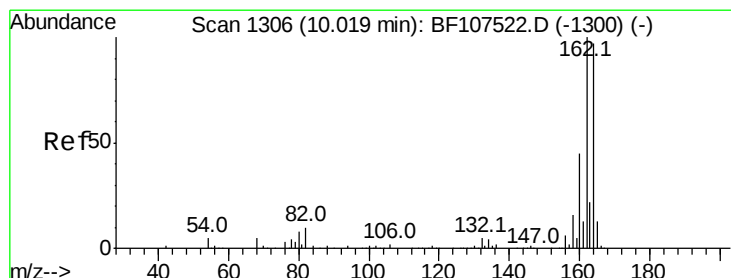
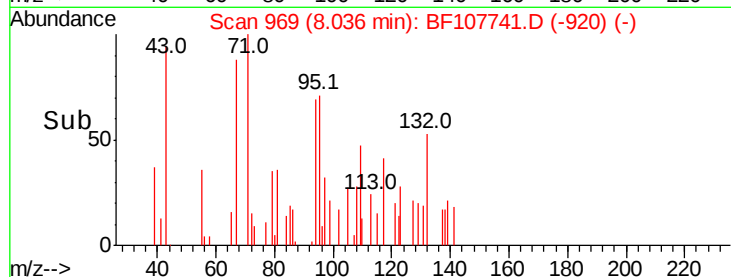
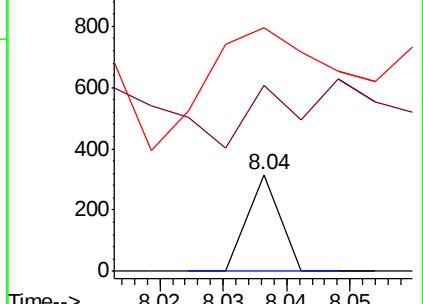
77 252.4 70.7 110.7#



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: 10.00 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF107741.D

Acq: 27 Jul 2018 11:16

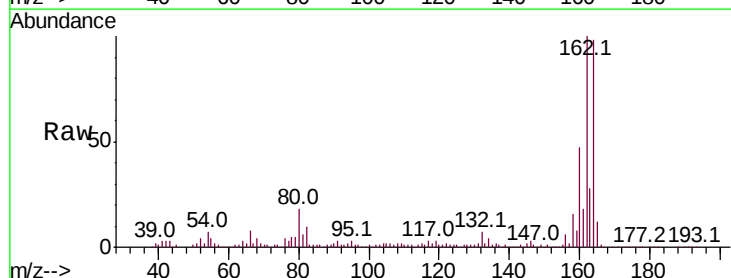
Tgt Ion:164 Resp: 284629

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

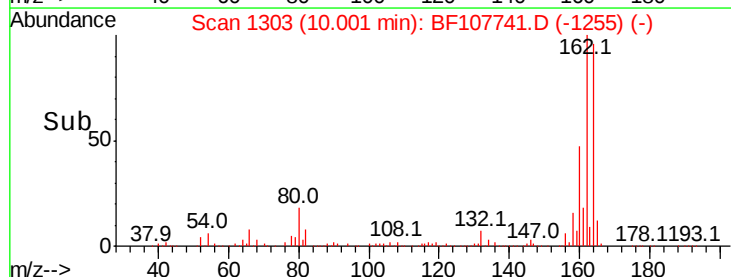
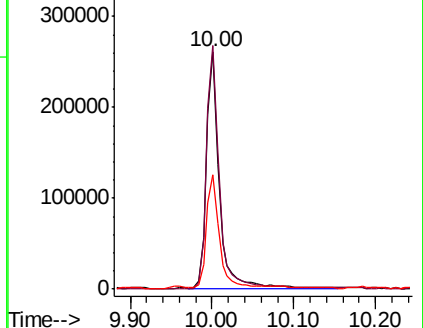
160 48.0 38.3 57.5

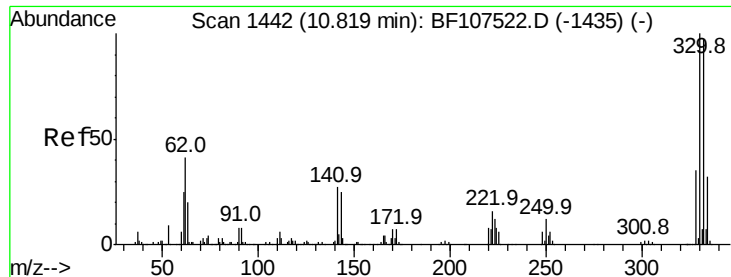


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

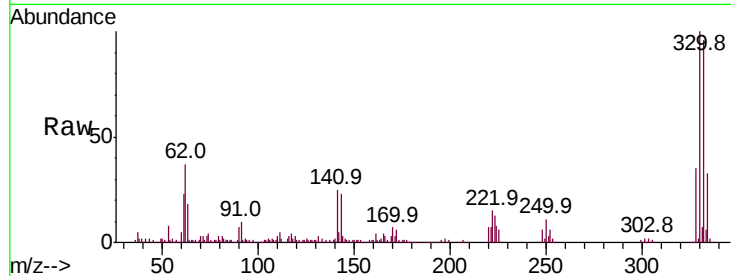




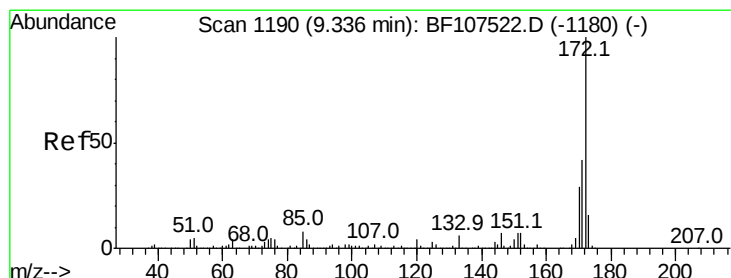
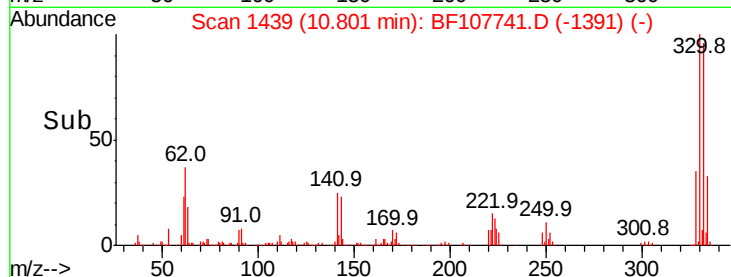
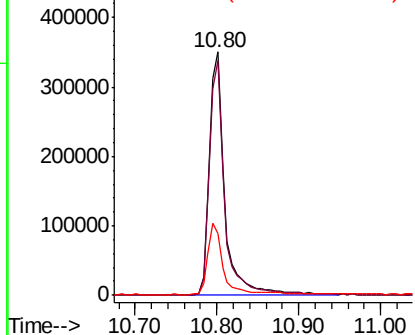
#41
 2,4,6-Tribromophenol
 Concen: 141.669 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	29.6	29.9	44.9#

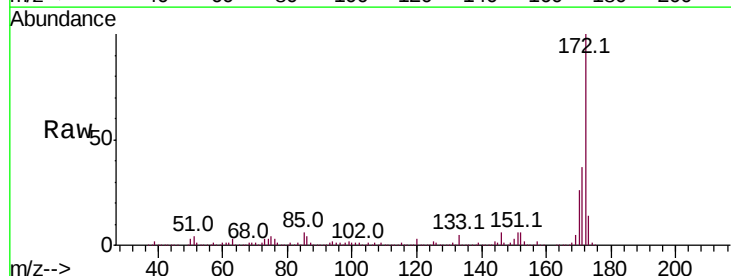


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

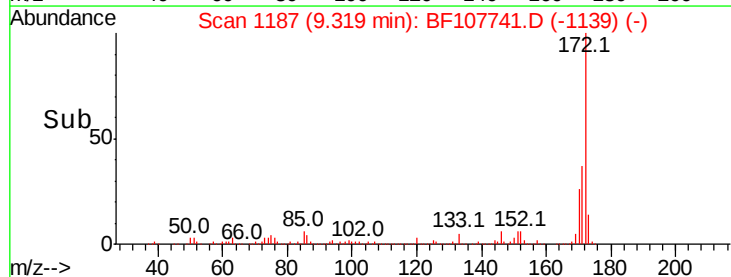
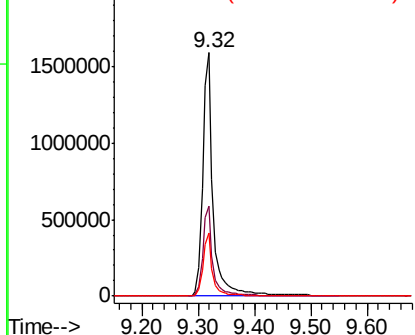


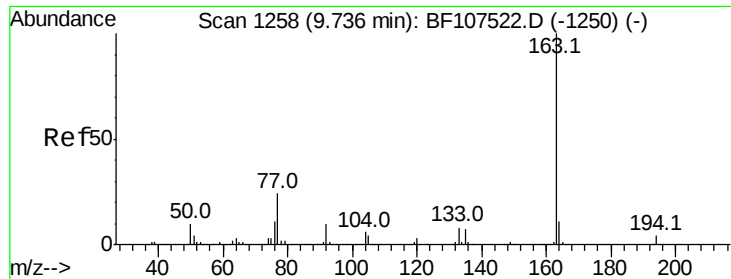
#44
 2-Fluorobiphenyl
 Concen: 158.594 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.7	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

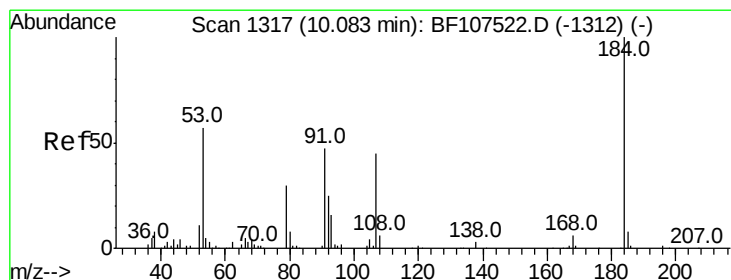
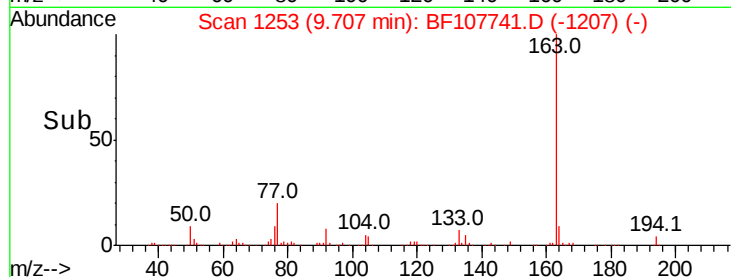
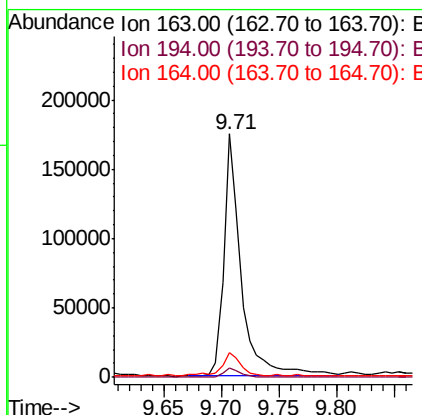
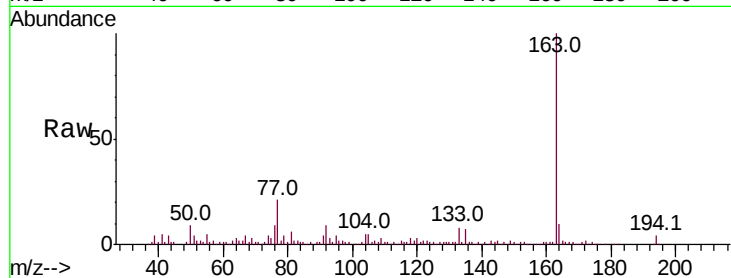




#49
Dimethylphthalate
Concen: 8.579 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

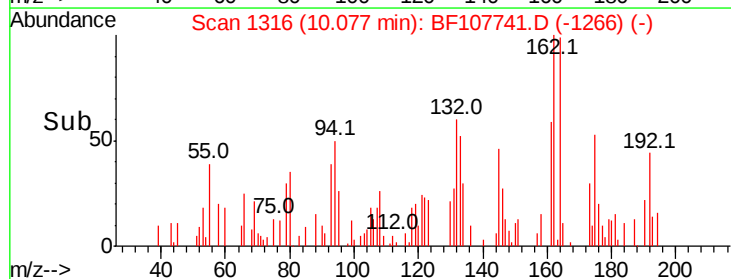
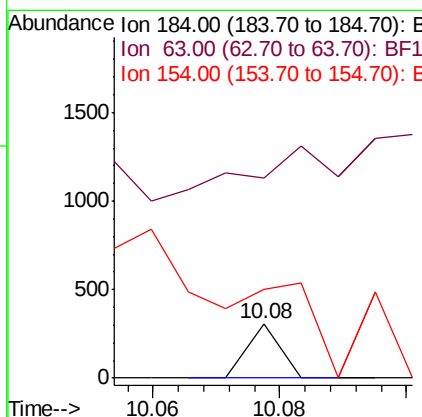
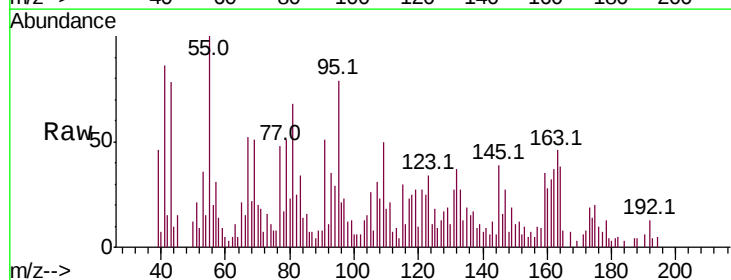
Instrument :
BNA_F
ClientSampleId :

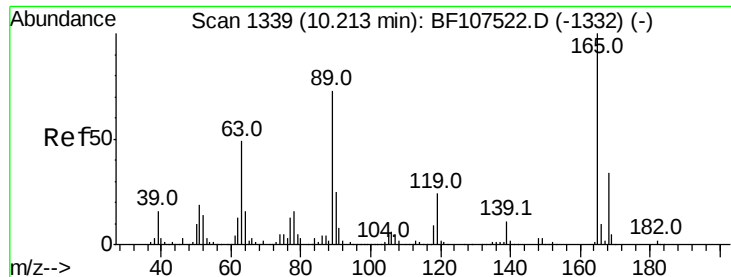
Tot Ion:163 Resp: 184038
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.1 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 8.355 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF107741.D
Acq: 27 Jul 2018 11:16

Tgt Ion:184 Resp: 109
Ion Ratio Lower Upper
184 100
63 365.0 54.2 81.2#
154 161.5 184.0 276.0#

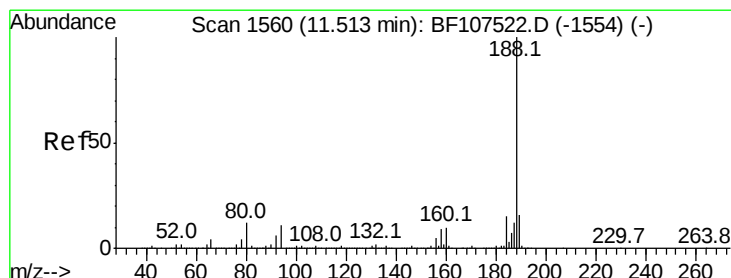
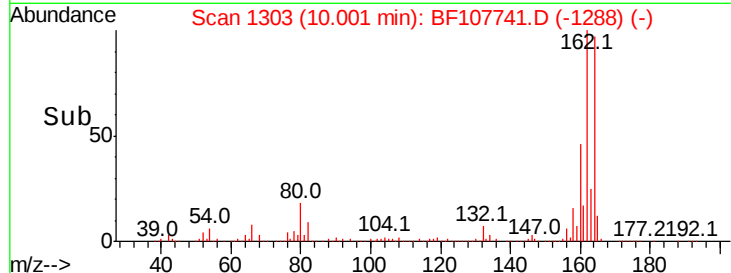
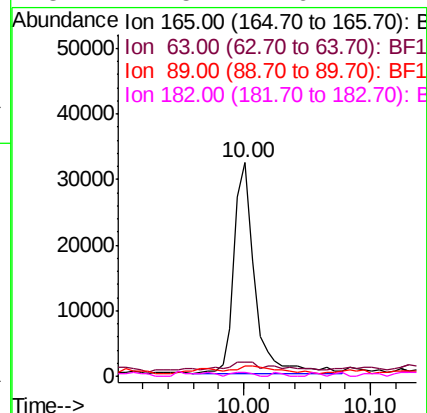
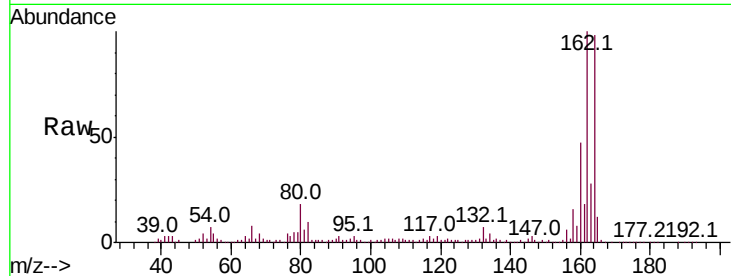




#56
 2,4-Dinitrotoluene
 Concen: 7.089 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

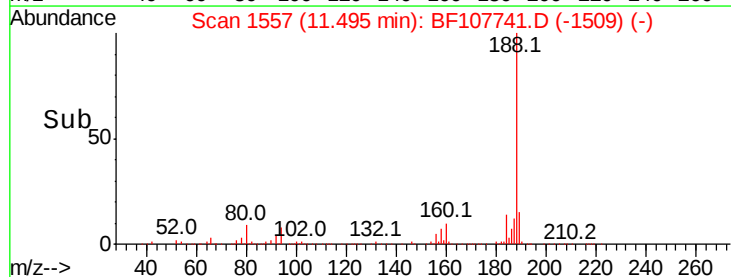
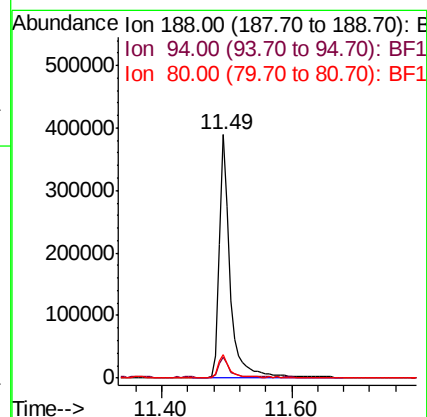
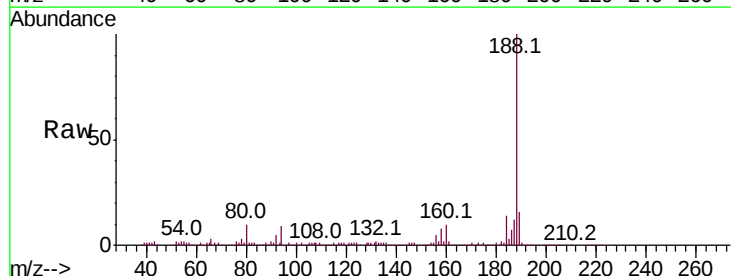
Instrument :
 BNA_F
 ClientSampleId :

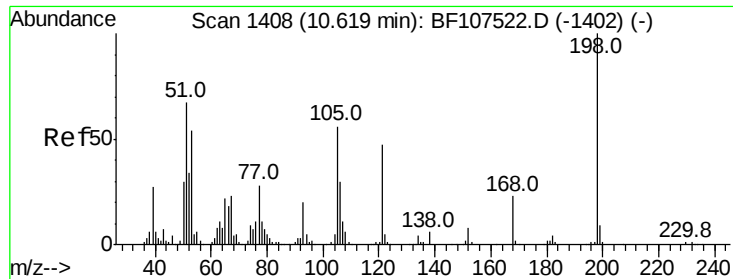
Tot Ion	Ratio	Lower	Upper
165	100		
63	6.9	36.4	54.6#
89	4.9	57.8	86.6#
182	1.5	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.7	9.2	13.8

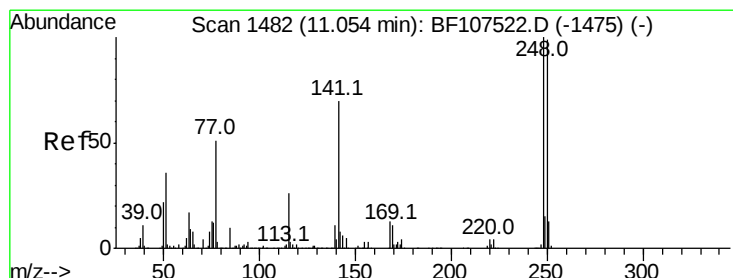
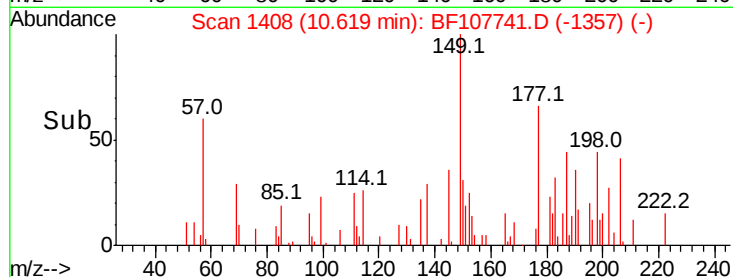
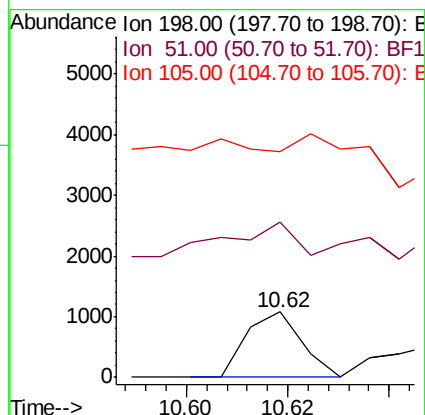
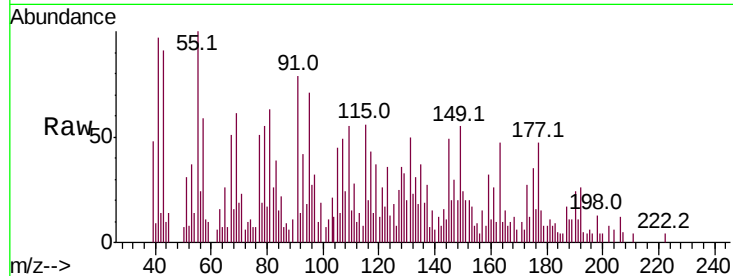




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.983 ng
 RT: 10.62 min Scan# 1408
 Delta R.T. 0.00 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

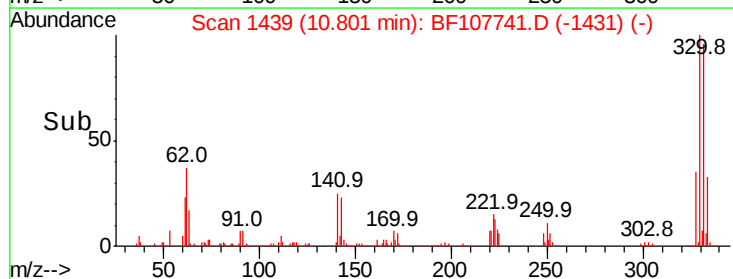
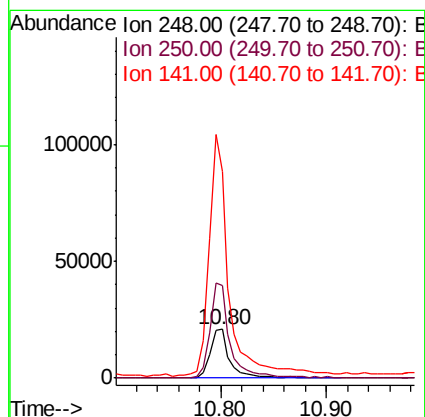
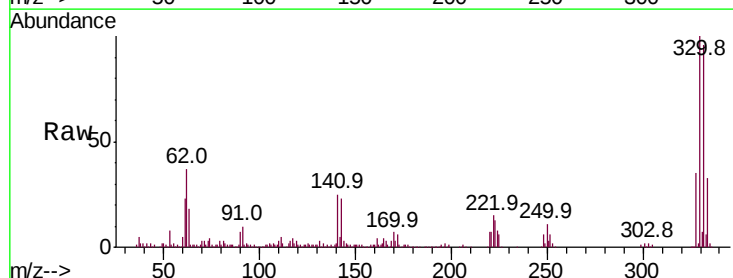
Instrument :
 BNA_F
 ClientSampleId :

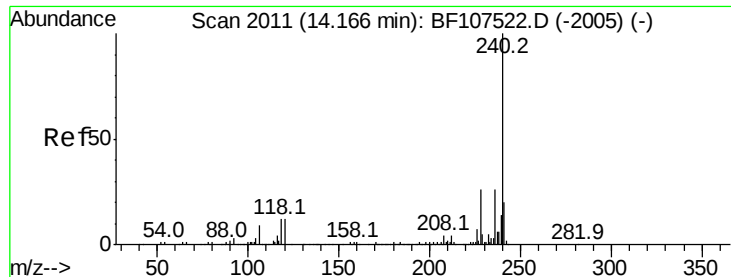
Tot Ion:198 Resp: 814
 Ion Ratio Lower Upper
 198 100
 51 237.0 37.7 77.7#
 105 345.4 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 5.149 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

Tgt Ion:248 Resp: 27735
 Ion Ratio Lower Upper
 248 100
 250 189.4 76.9 115.3#
 141 423.2 74.4 111.6#





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107741.D

Acq: 27 Jul 2018 11:16

Instrument :

BNA_F

ClientSampleId :

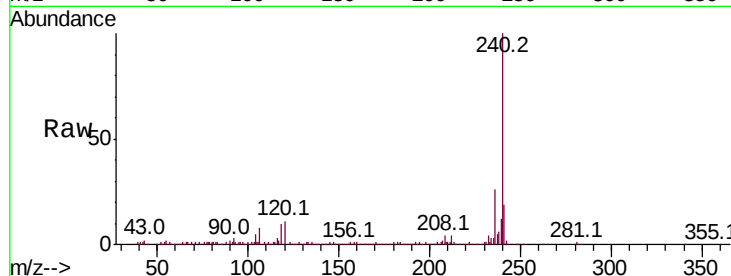
Tot Ion:240 Resp: 384638

Ion Ratio Lower Upper

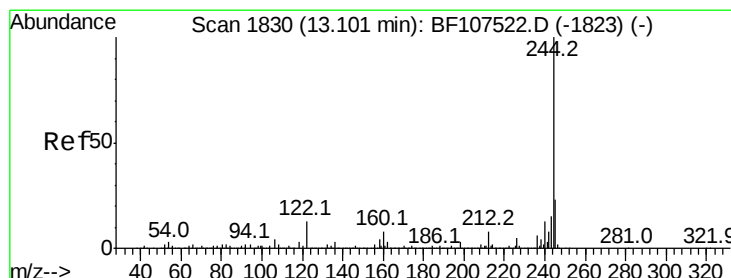
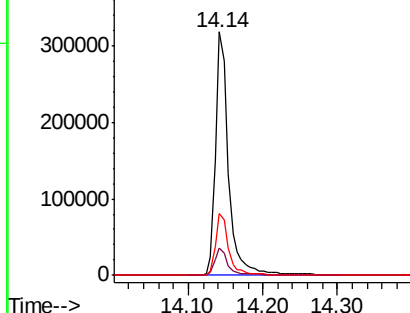
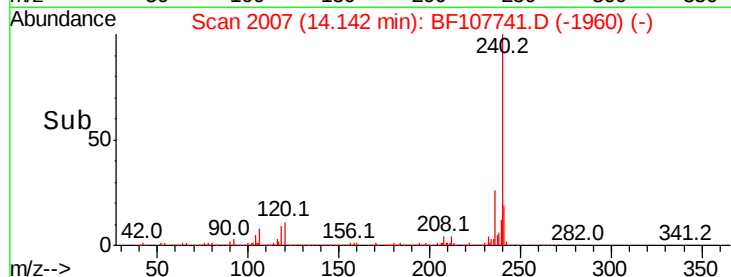
240 100

120 11.1 9.5 14.3

236 25.6 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: 96.703 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107741.D

Acq: 27 Jul 2018 11:16

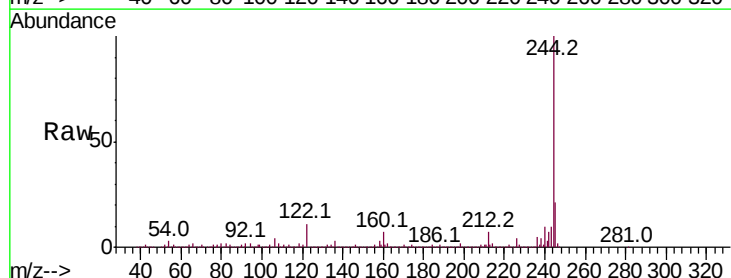
Tgt Ion:244 Resp: 1452898

Ion Ratio Lower Upper

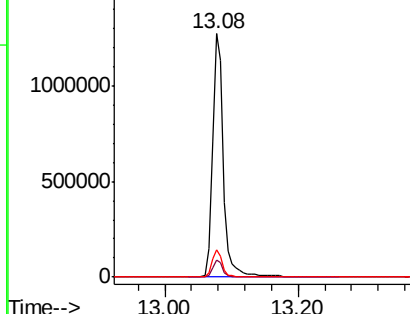
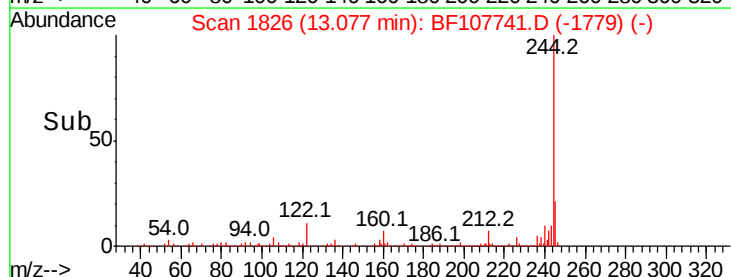
244 100

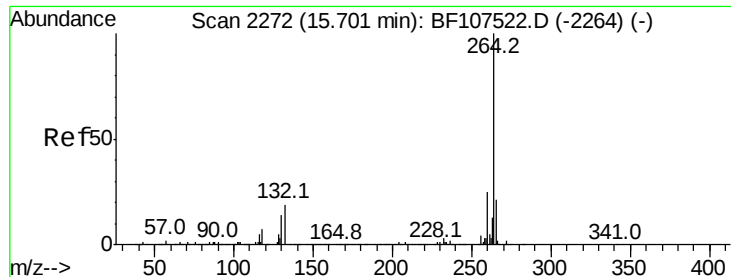
212 7.1 5.4 8.0

122 11.5 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

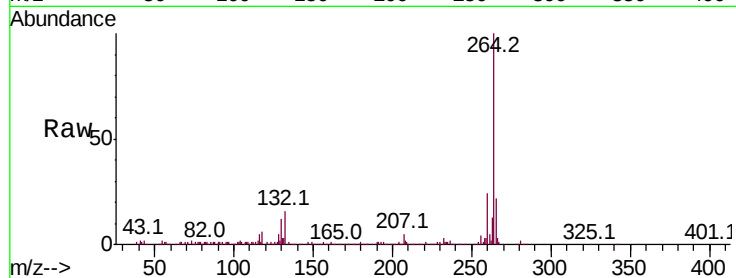




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF107741.D
 Acq: 27 Jul 2018 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 397404
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.6 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

