

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073118\
 Data File : BF107868.D
 Acq On : 31 Jul 2018 23:41
 Operator : JU/SJ
 Sample : J3823-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-073018-B

Quant Time: Aug 01 01:01:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

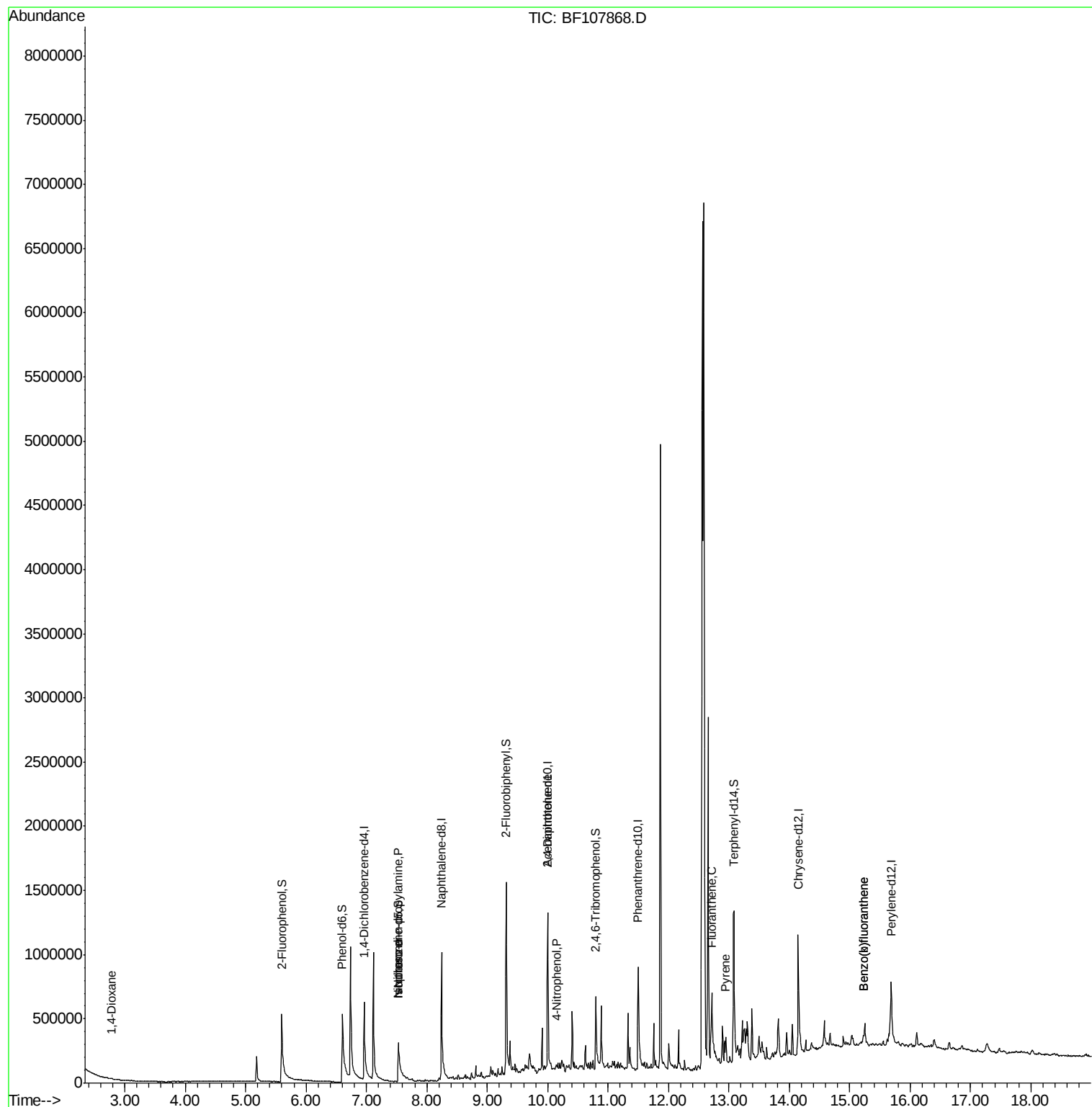
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	160768	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	725029	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	279850	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	453971	20.00	ng	0.00
75) Chrysene-d12	14.15	240	439155	20.00	ng	0.00
86) Perylene-d12	15.68	264	348338	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	354189	37.44	ng	0.00
7) Phenol-d6	6.60	99	532158	42.69	ng	0.00
23) Nitrobenzene-d5	7.53	82	314326	24.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	115369	30.34	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	655862	32.66	ng	0.00
78) Terphenyl-d14	13.08	244	538476	26.59	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.79	88	388	5.870	ng	# 54
19) n-Nitroso-di-n-propylamine	7.53	70	30034	3.798	ng	# 78
25) Isophorone	7.53	82	314326	15.216	ng	# 64
55) 4-Nitrophenol	10.14	139	400	9.443	ng	# 1
56) 2,4-Dinitrotoluene	10.00	165	38325	6.384	ng	# 24
74) Fluoranthene	12.72	202	86178	3.403	ng	100
77) Pyrene	12.95	202	85282	2.697	ng	96
87) Benzo(b)fluoranthene	15.23	252	68038	3.960	ng	# 88
88) Benzo(k)fluoranthene	15.23	252	68038	3.226	ng	# 91

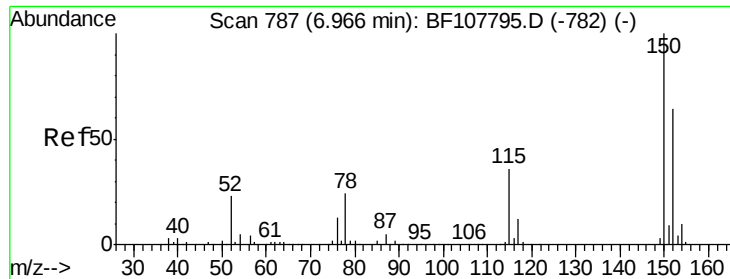
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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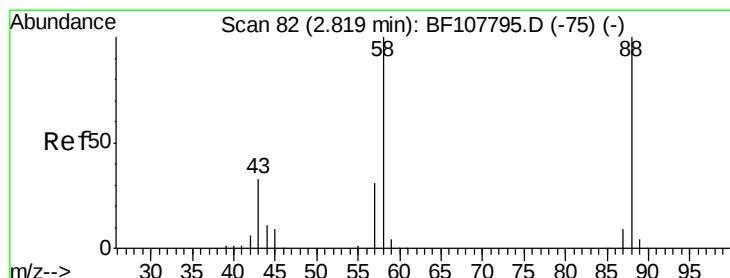
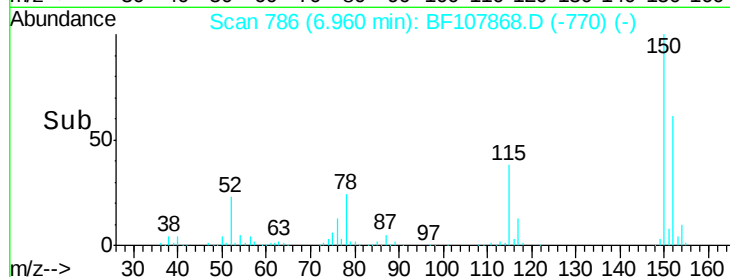
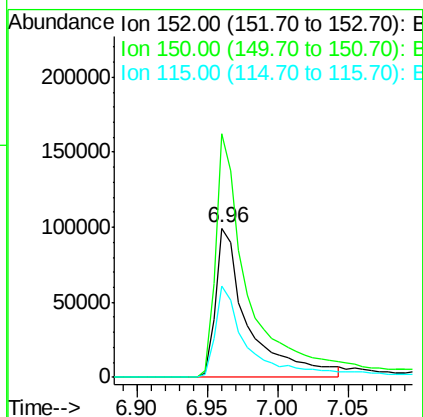
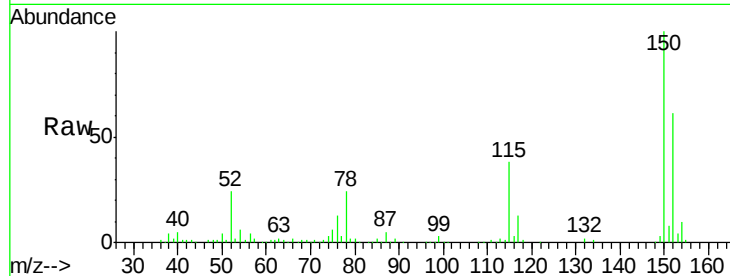


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Instrument :
BNA_F
ClientSampleId :
NB-08-073018-B

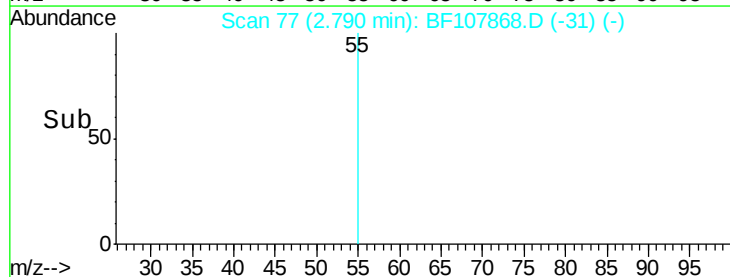
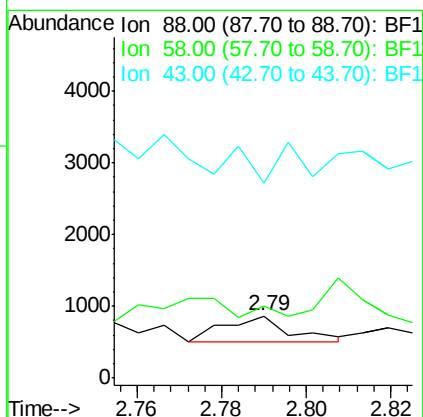
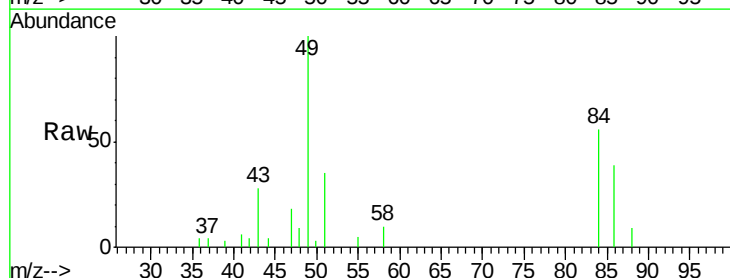
Tgt Ion:152 Resp: 160768
Ion Ratio Lower Upper
152 100
150 163.0 124.6 186.8
115 61.3 50.1 75.1

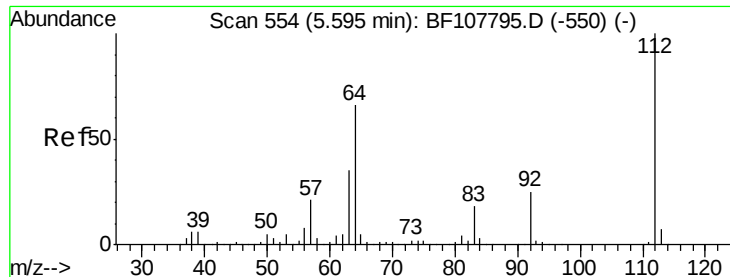


#2

1,4-Dioxane
Concen: 5.870 ng
RT: 2.79 min Scan# 77
Delta R.T. -0.03 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Tgt Ion: 88 Resp: 388
Ion Ratio Lower Upper
88 100
58 115.2 62.6 93.8#
43 0.0 24.6 37.0#





#5

2-Fluorophenol

Concen: 37.443 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-B

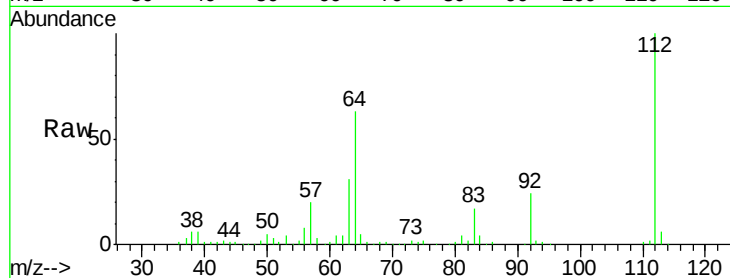
Tgt Ion: 112 Resp: 354189

Ion Ratio Lower Upper

112 100

64 63.4 47.9 71.9

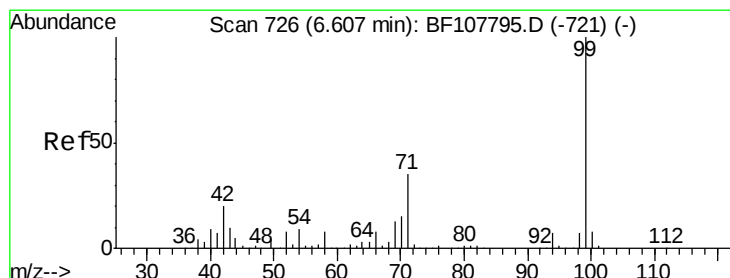
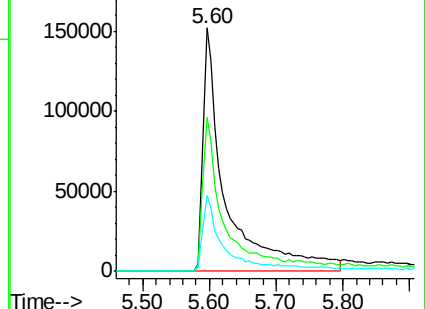
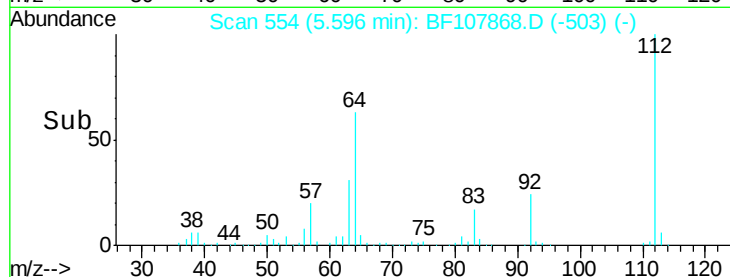
63 31.2 23.7 35.5



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: 42.685 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

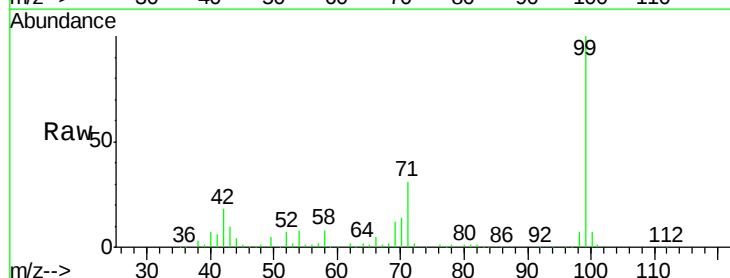
Tgt Ion: 99 Resp: 532158

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

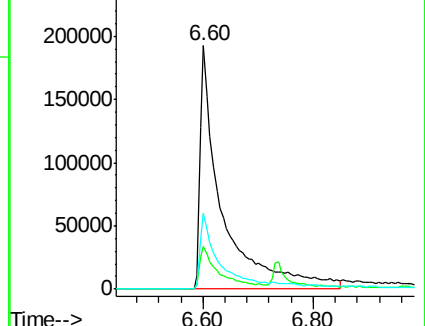
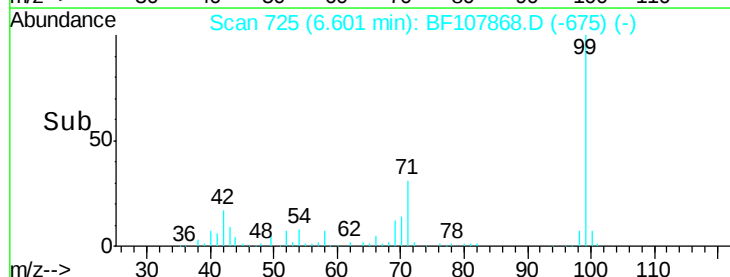
71 31.2 25.4 38.0

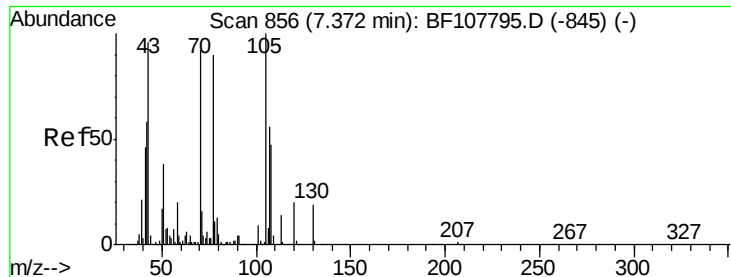


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

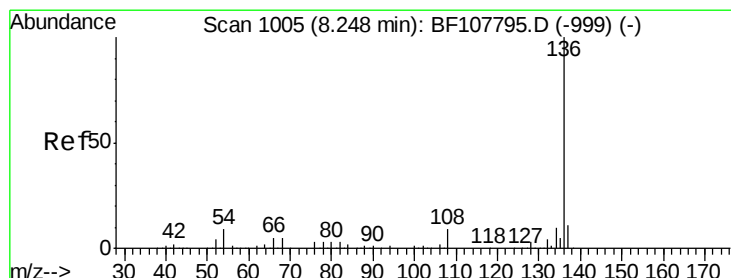
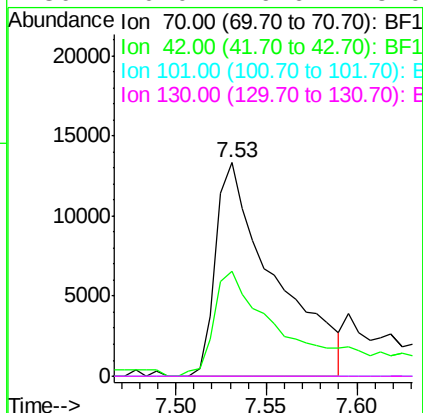
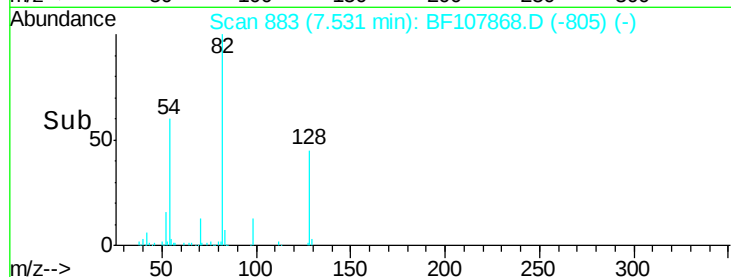
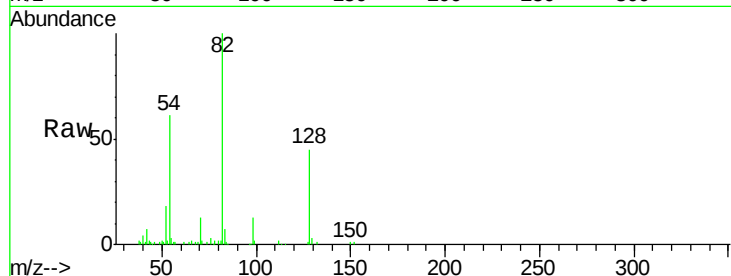




#19
n-Nitroso-di-n-propylamine
Concen: 3.798 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

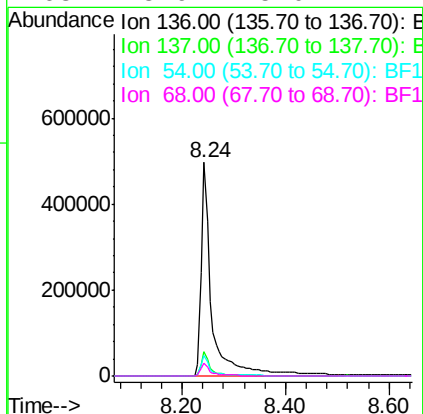
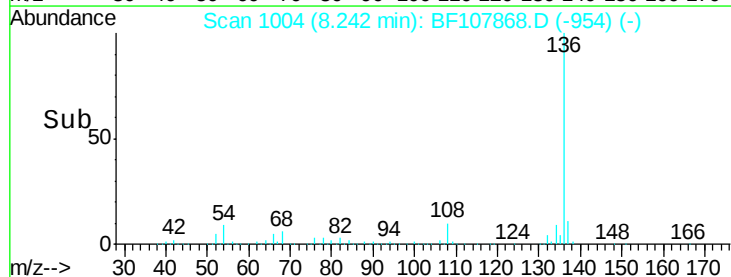
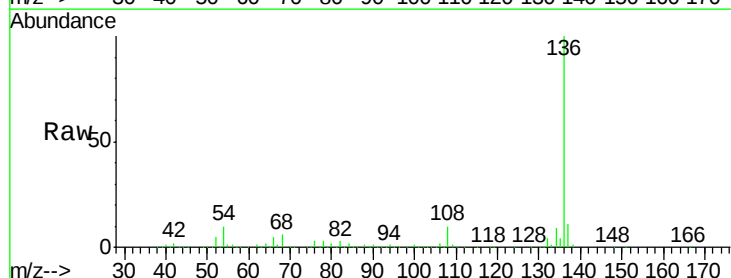
Instrument :
BNA_F
ClientSampleId :
NB-08-073018-B

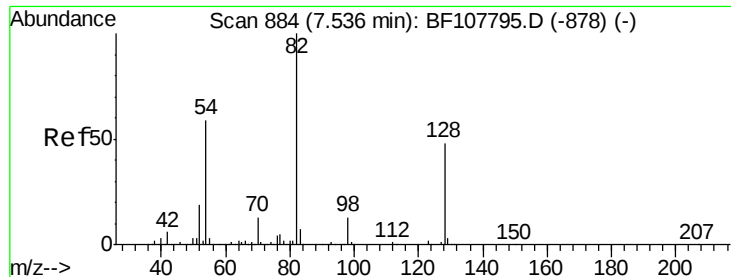
Tgt Ion: 70 Resp: 30034
Ion Ratio Lower Upper
70 100
42 49.1 47.5 71.3
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Tgt Ion: 136 Resp: 725029
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.7 6.6 9.8
68 5.9 5.0 7.4

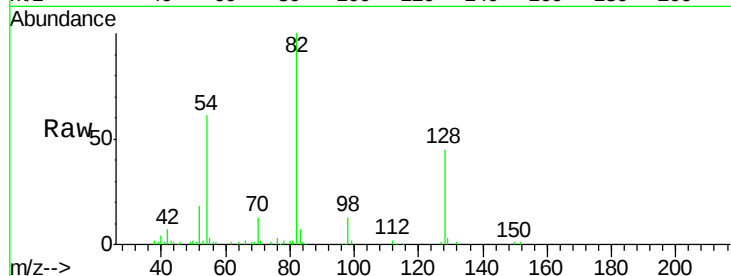




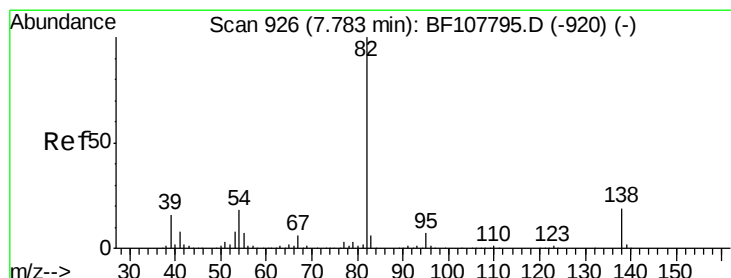
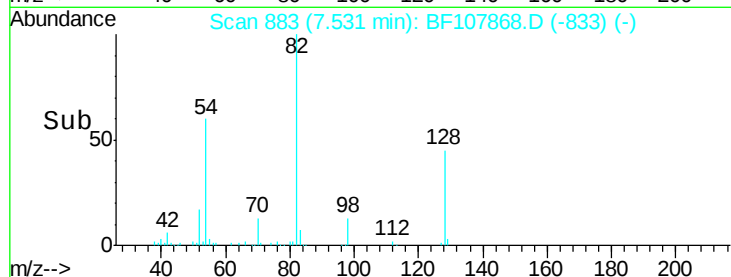
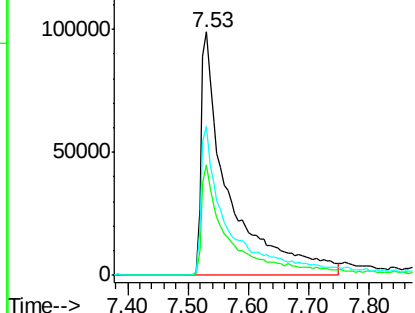
#23
Nitrobenzene-d5
Concen: 24.976 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Instrument :
BNA_F
ClientSampleId :
NB-08-073018-B

Tgt Ion: 82 Resp: 314326
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 61.0 41.4 62.2

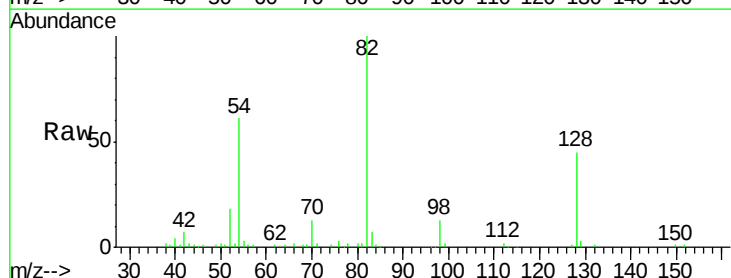


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

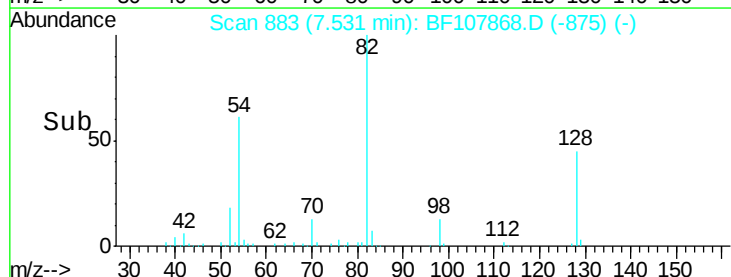
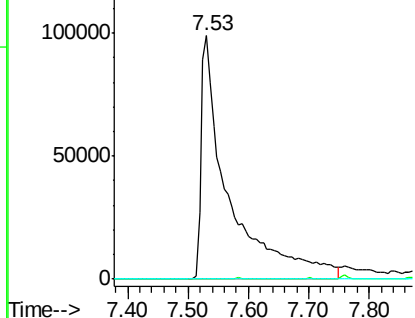


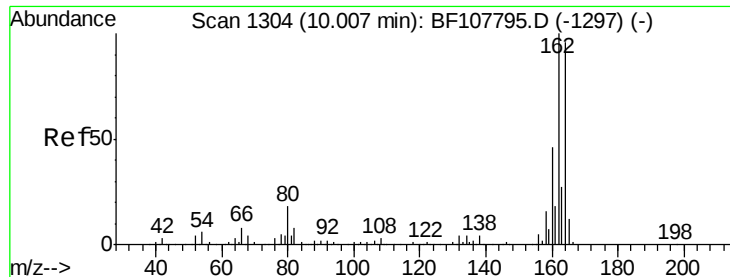
#25
Isophorone
Concen: 15.216 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Tgt Ion: 82 Resp: 314326
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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-B

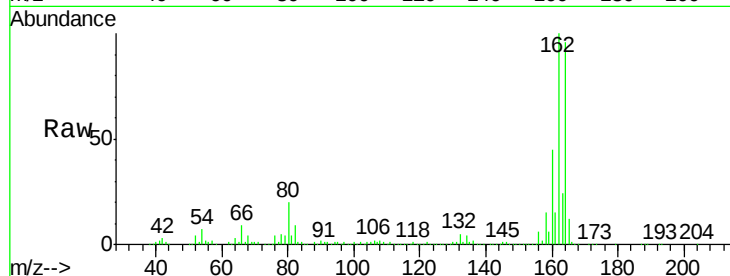
Tgt Ion:164 Resp: 279850

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

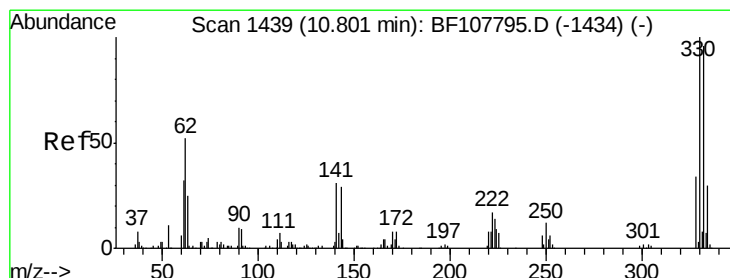
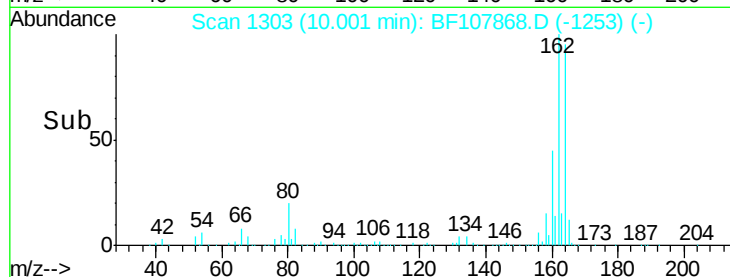
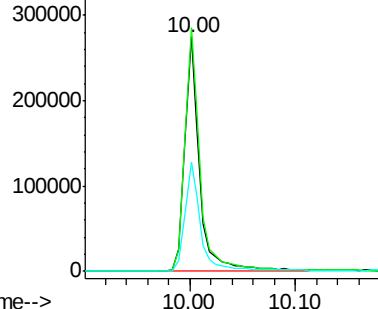
160 46.9 38.3 57.5



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: 30.340 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

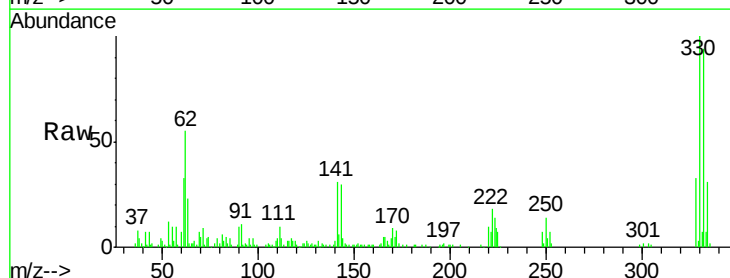
Tgt Ion:330 Resp: 115369

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

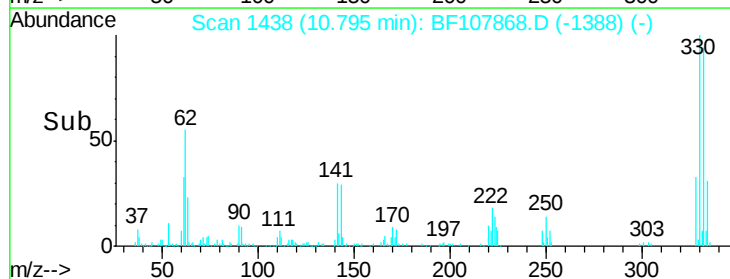
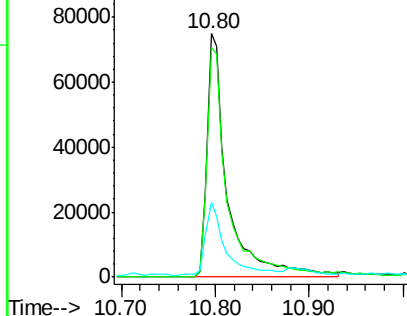
141 29.0 29.9 44.9#

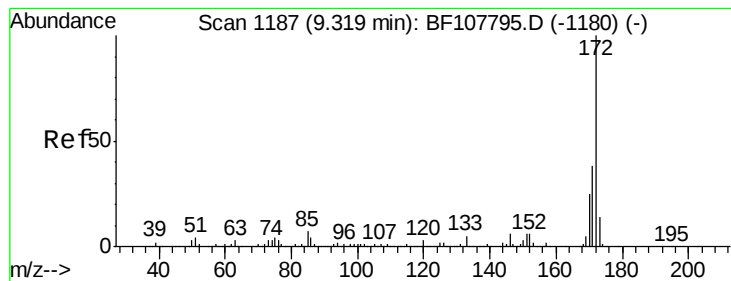


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 32.658 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

Instrument :

BNA_F

ClientSampled :

NB-08-073018-B

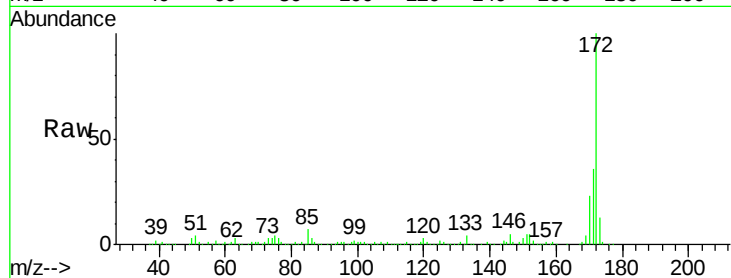
Tgt Ion:172 Resp: 655862

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

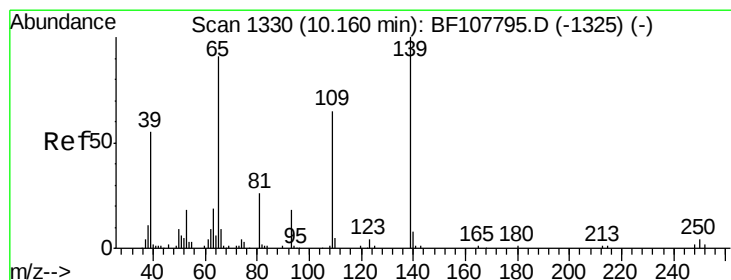
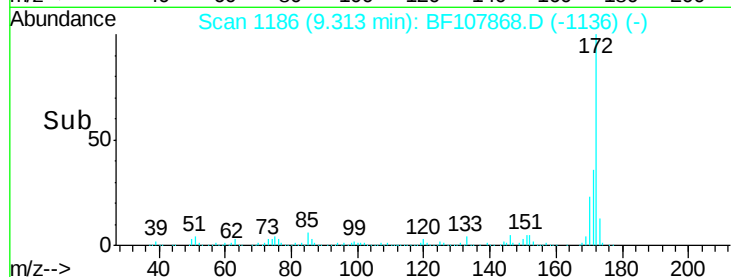
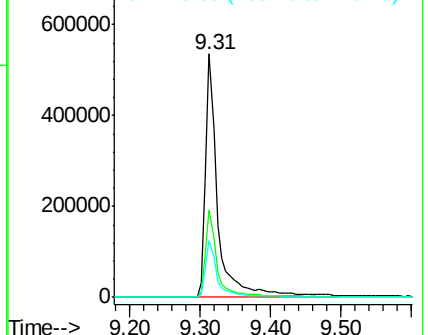
170 23.3 19.6 29.4



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



#55

4-Nitrophenol

Concen: 9.443 ng

RT: 10.14 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

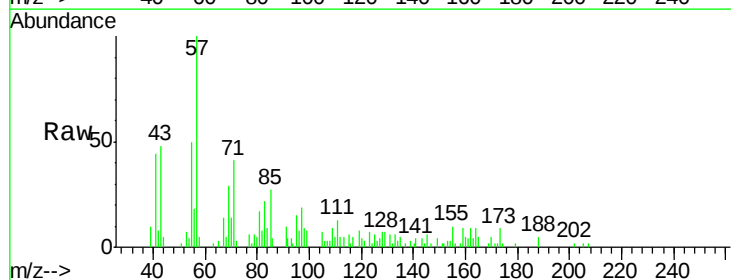
Tgt Ion:139 Resp: 400

Ion Ratio Lower Upper

139 100

109 361.7 48.4 88.4#

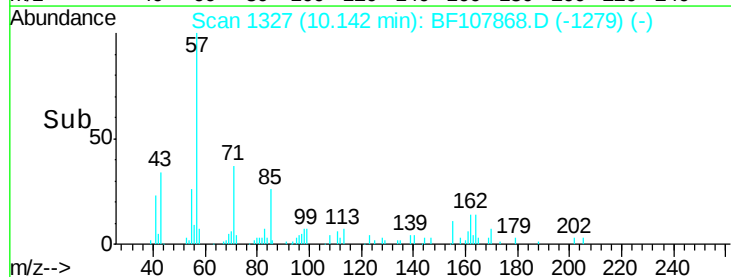
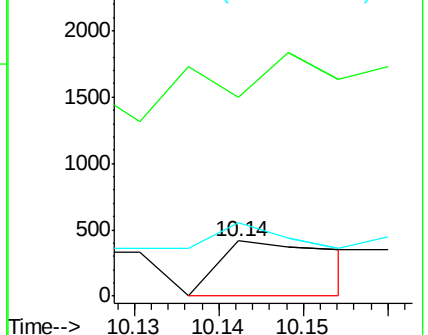
65 133.0 72.6 112.6#

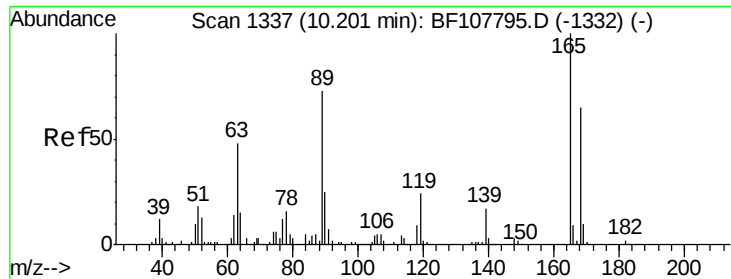


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

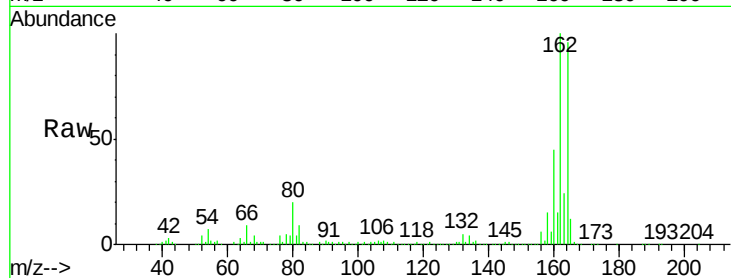




#56
2,4-Dinitrotoluene
Concen: 6.384 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Instrument :
BNA_F
ClientSampleId :
NB-08-073018-B

Tgt Ion:165 Resp: 38325
Ion Ratio Lower Upper
165 100
63 2.4 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#

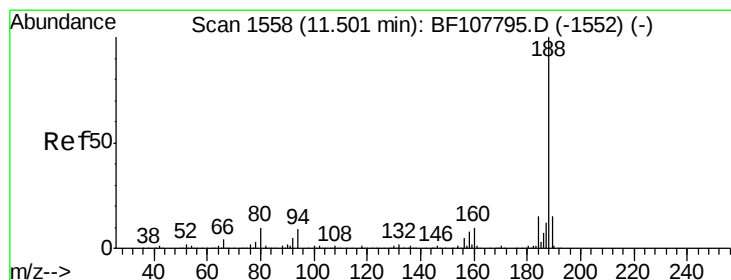
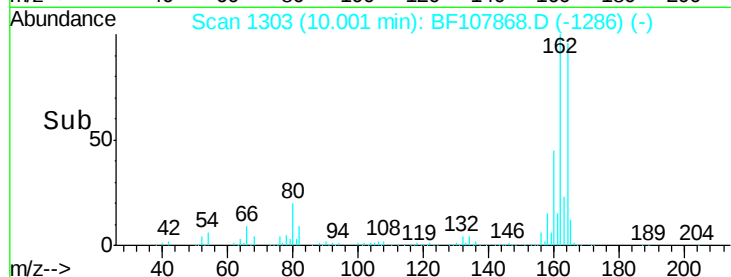
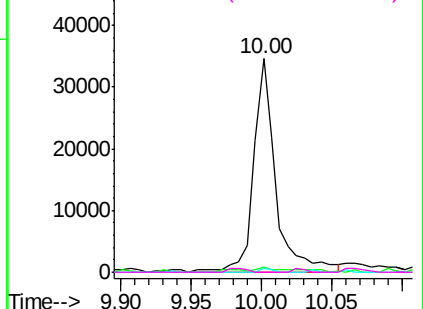


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

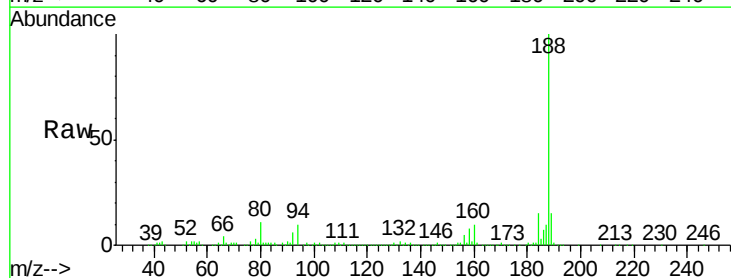
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

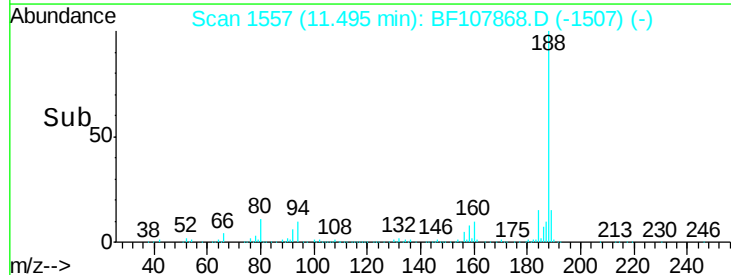
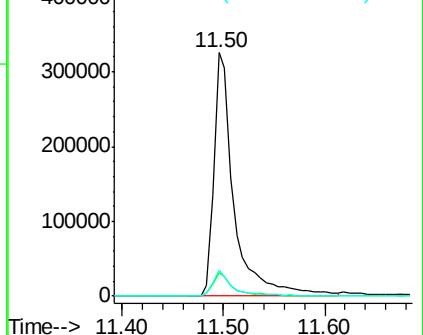
Tgt Ion:188 Resp: 453971
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.7 9.2 13.8

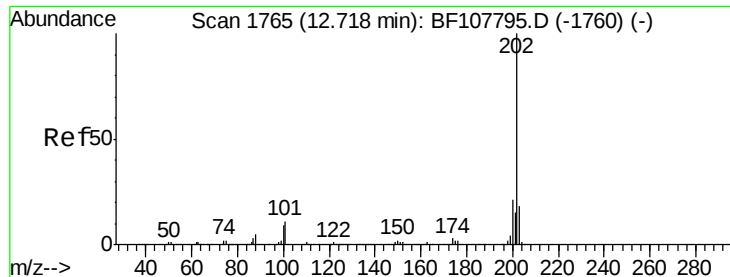


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 3.403 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-B

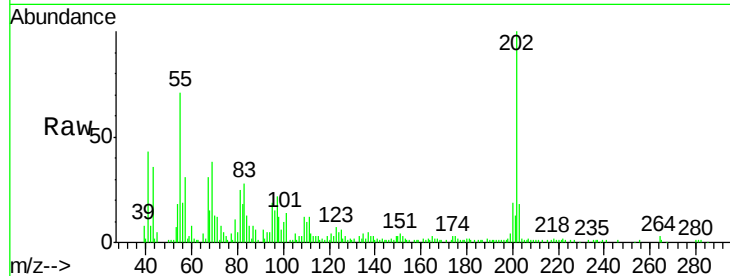
Tgt Ion:202 Resp: 86178

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

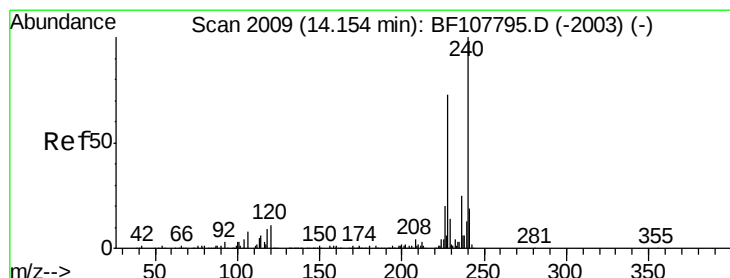
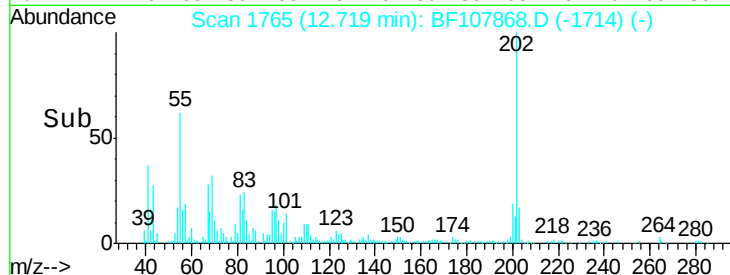
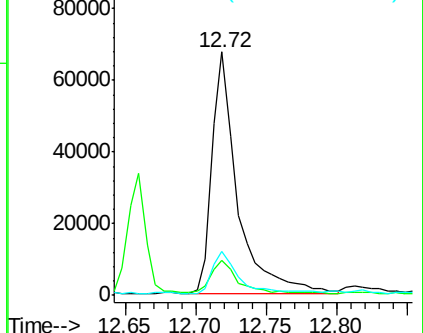
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107868.D

Acq: 31 Jul 2018 23:41

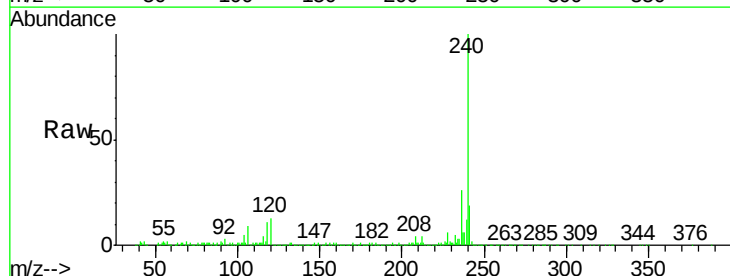
Tgt Ion:240 Resp: 439155

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

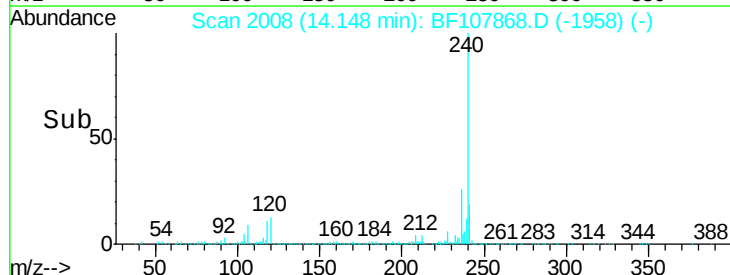
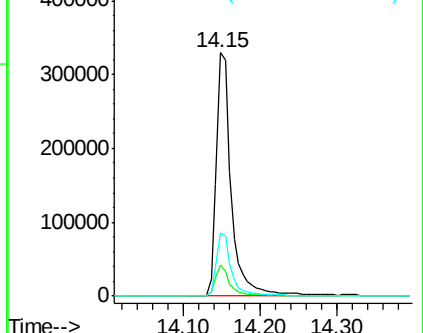
236 25.7 20.7 31.1

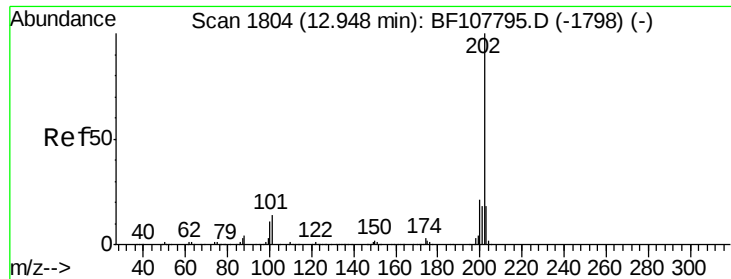


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

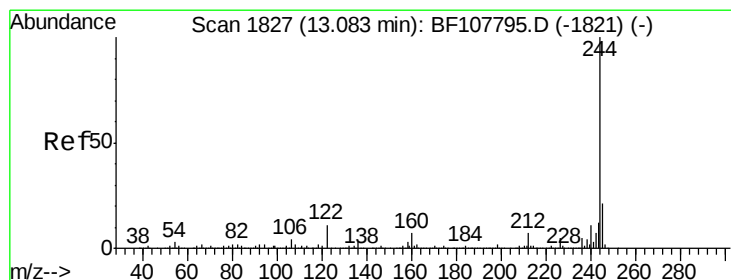
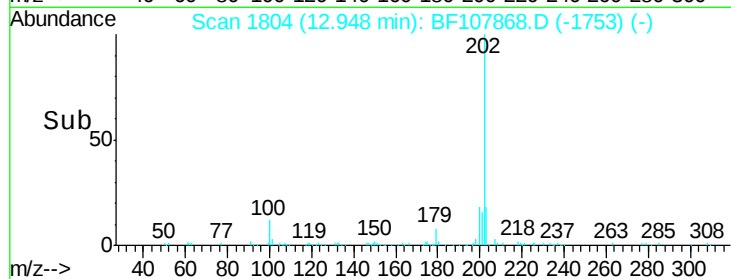
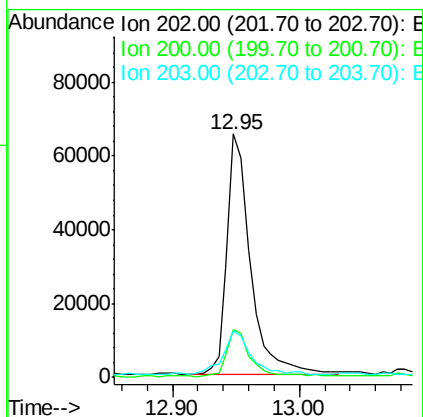
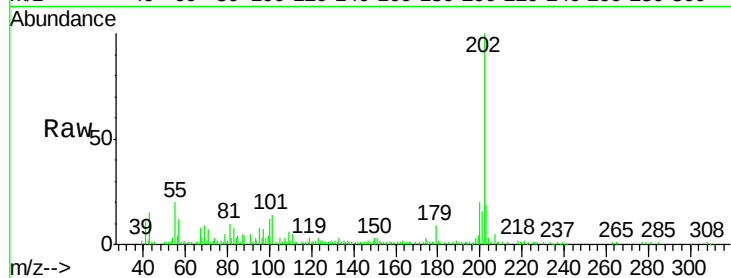




#77
 Pyrene
 Concen: 2.697 ng
 RT: 12.95 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF107868.D
 Acq: 31 Jul 2018 23:41

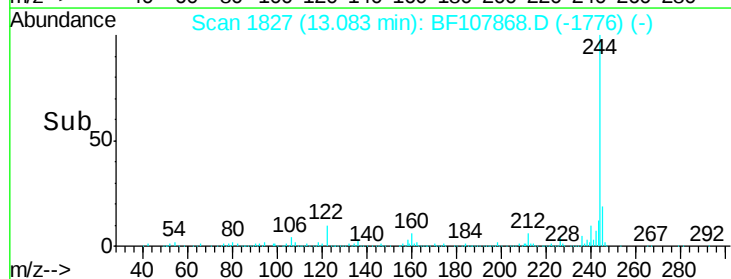
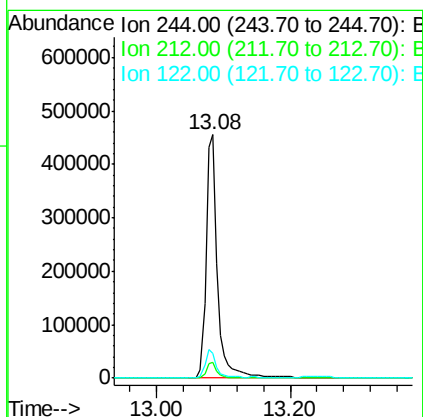
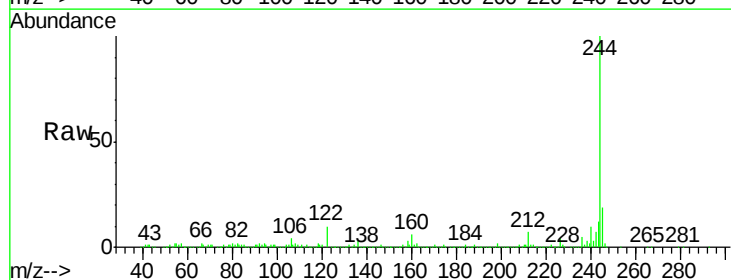
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-073018-B

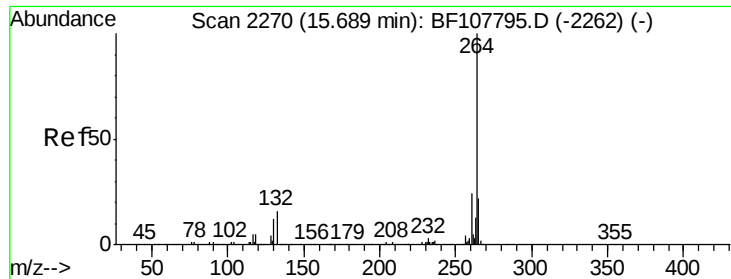
Tgt Ion:202 Resp: 85282
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.4 26.2
 203 19.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 26.589 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF107868.D
 Acq: 31 Jul 2018 23:41

Tgt Ion:244 Resp: 538476
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.1 11.0 16.4#



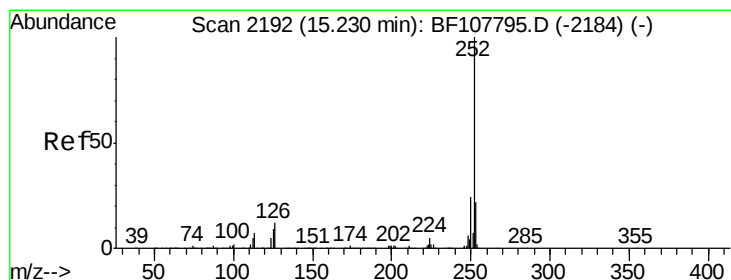
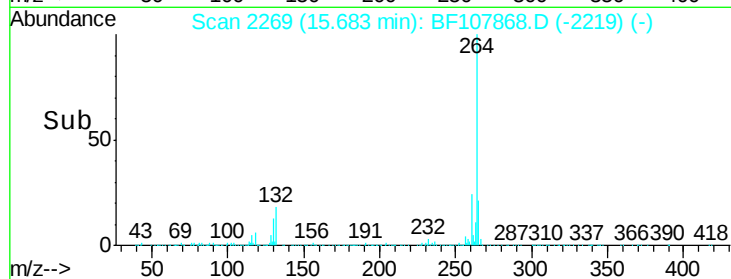
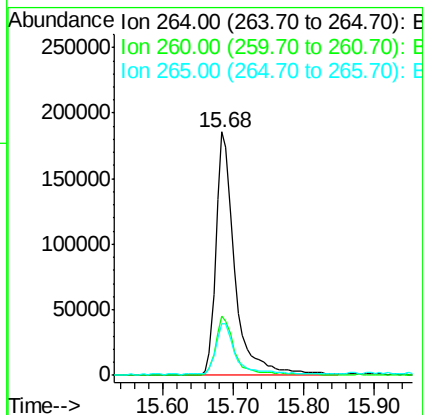
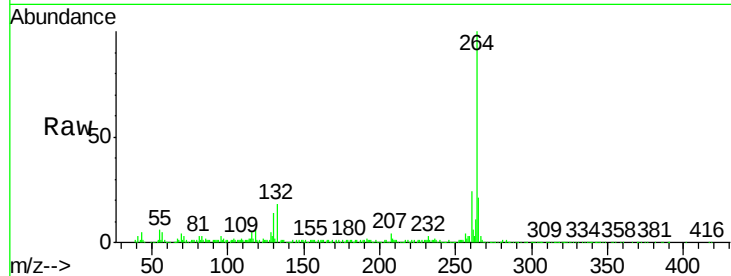


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Instrument :
BNA_F
ClientSampleId :
NB-08-073018-B

Tgt Ion: 264 Resp: 348338

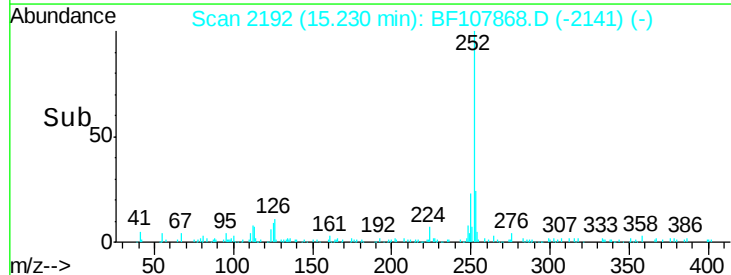
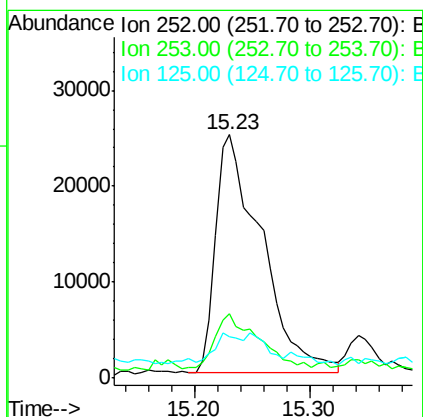
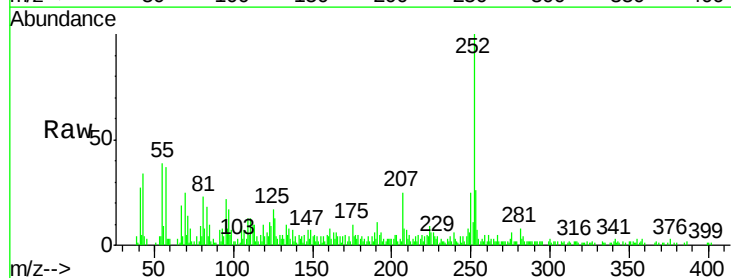
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	17.5	26.3

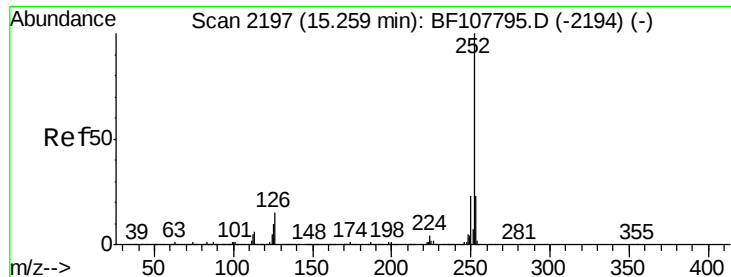


#87
Benzo(b)fluoranthene
Concen: 3.960 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107868.D
Acq: 31 Jul 2018 23:41

Tgt Ion: 252 Resp: 68038

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.0	25.6#
125	17.0	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.226 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107868.D

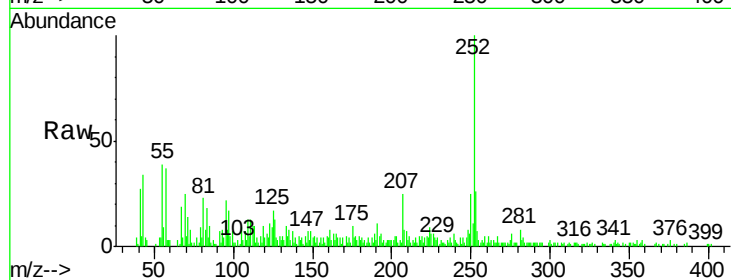
Acq: 31 Jul 2018 23:41

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-B



Tgt Ion:	252	Resp:	68038
Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	17.0	10.2	15.2#

