

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073118\
 Data File : BF107867.D
 Acq On : 31 Jul 2018 23:14
 Operator : JU/SJ
 Sample : J3823-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 01 01:01:14 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

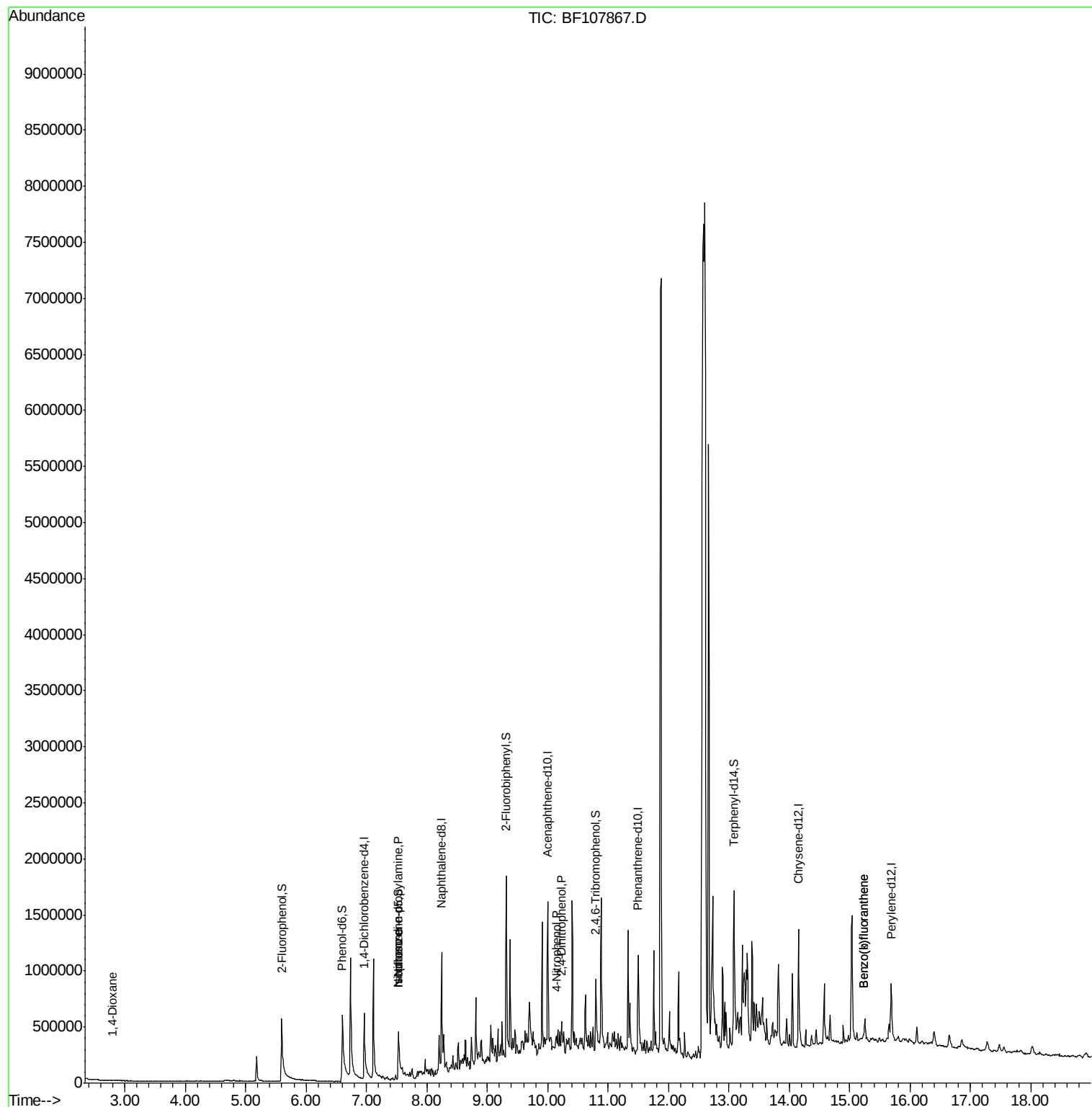
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	168922	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	732950	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	296210	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	498705	20.00	ng	0.00
75) Chrysene-d12	14.15	240	460167	20.00	ng	0.00
86) Perylene-d12	15.68	264	360535	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	393777	39.62	ng	0.00
7) Phenol-d6	6.60	99	571969	43.66	ng	0.00
23) Nitrobenzene-d5	7.53	82	343656	27.01	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	129787	32.25	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	716494	33.71	ng	0.00
78) Terphenyl-d14	13.08	244	574839	27.09	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.80	88	256	5.842	ng	# 15
19) n-Nitroso-di-n-propylamine	7.53	70	38171	4.594	ng	# 85
25) Isophorone	7.53	82	339131	16.239	ng	# 65
53) 2,4-Dinitrophenol	10.23	184	260	8.532	ng	# 73
55) 4-Nitrophenol	10.14	139	185	9.370	ng	# 1
87) Benzo(b)fluoranthene	15.23	252	46421	2.611	ng	# 76
88) Benzo(k)fluoranthene	15.23	252	46738	2.141	ng	# 79

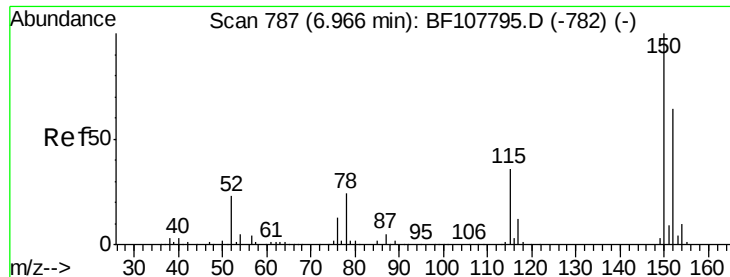
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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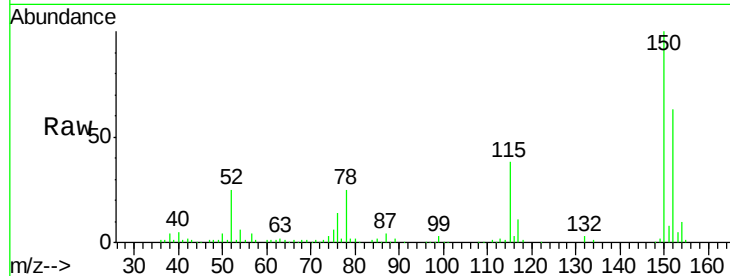


#1

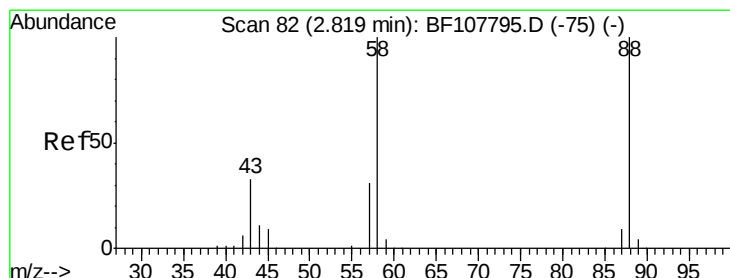
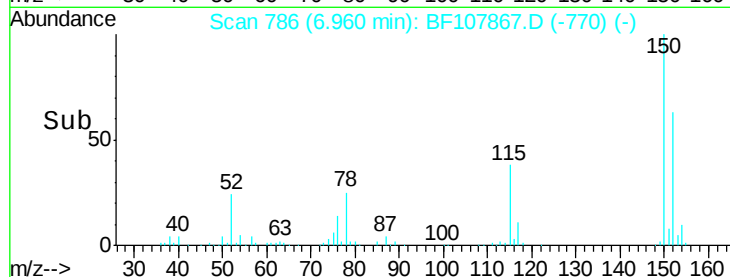
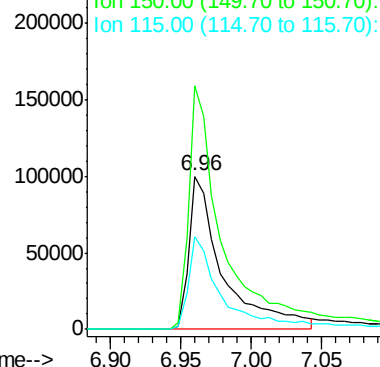
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

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

Tgt Ion:152 Resp: 168922
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 60.5 50.1 75.1



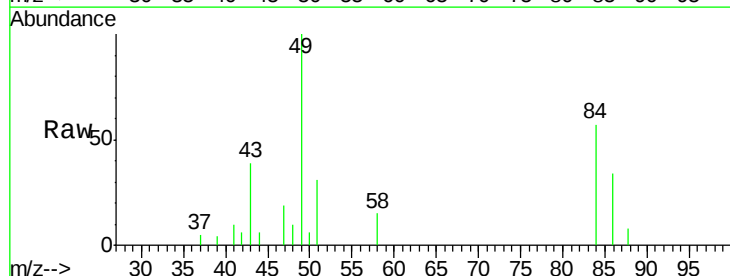
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



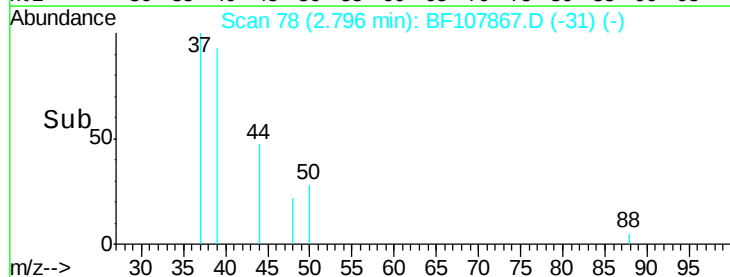
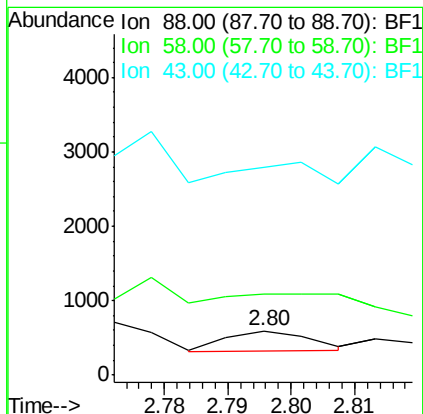
#2

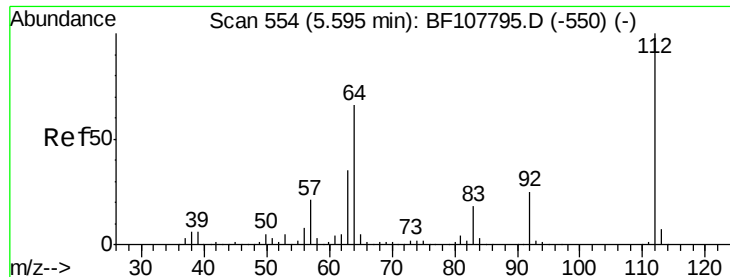
1,4-Dioxane
Concen: 5.842 ng
RT: 2.80 min Scan# 78
Delta R.T. -0.02 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

Tgt Ion: 88 Resp: 256
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 70.7 24.6 37.0#



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

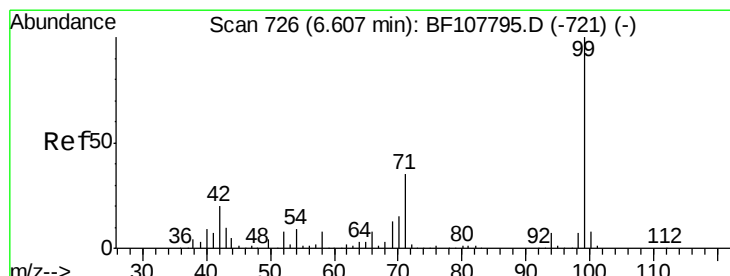
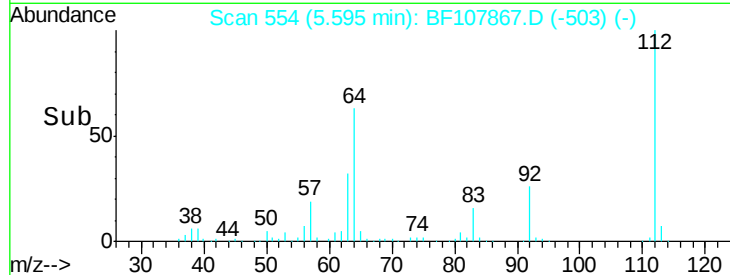
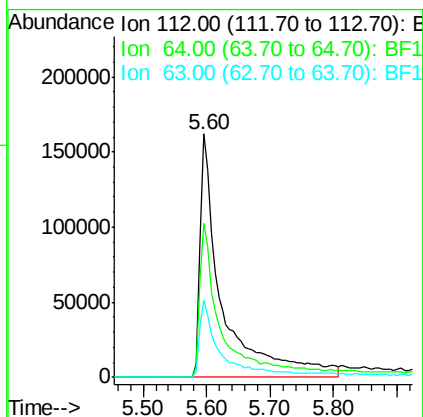
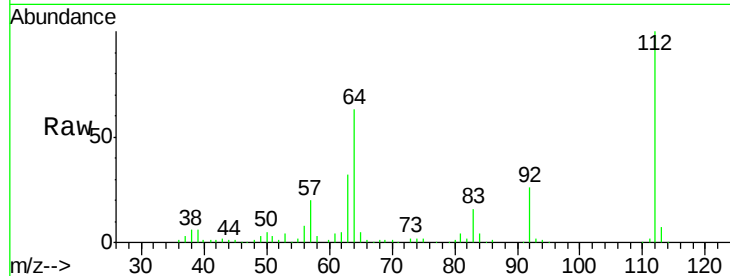




#5
 2-Fluorophenol
 Concen: 39.618 ng
 RT: 5.60 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF107867.D
 Acq: 31 Jul 2018 23:14

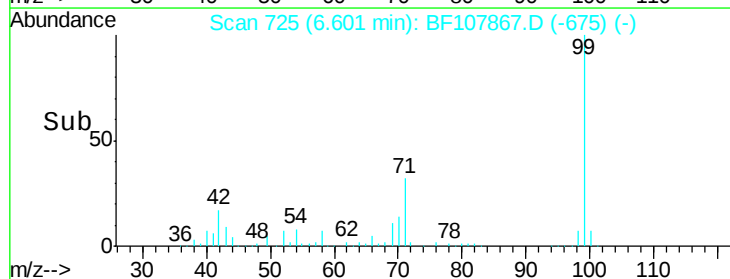
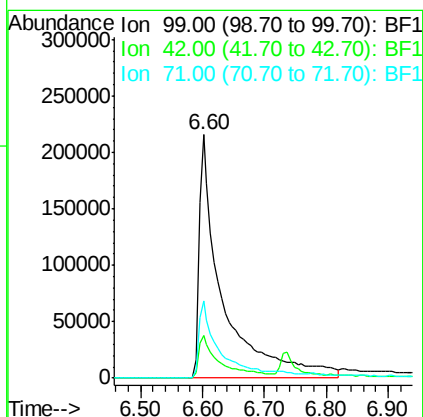
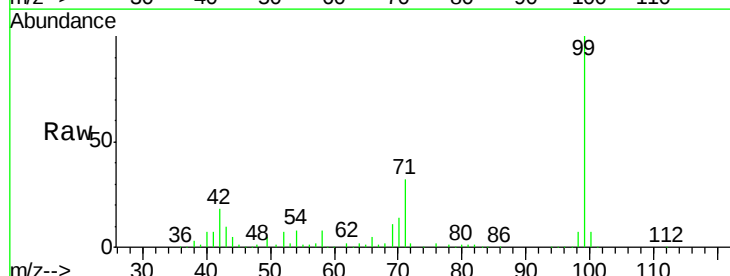
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-073018-A

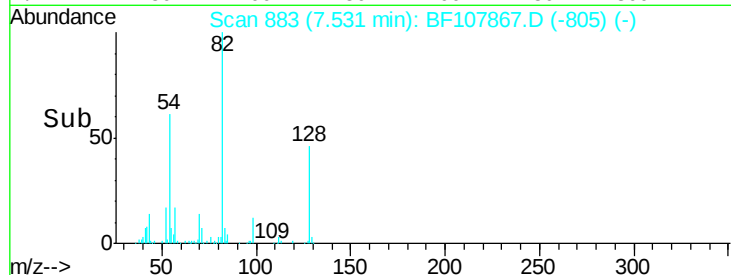
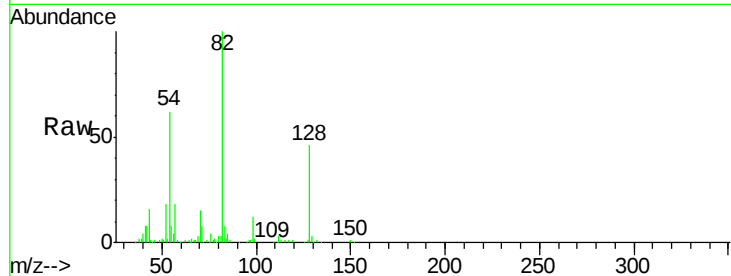
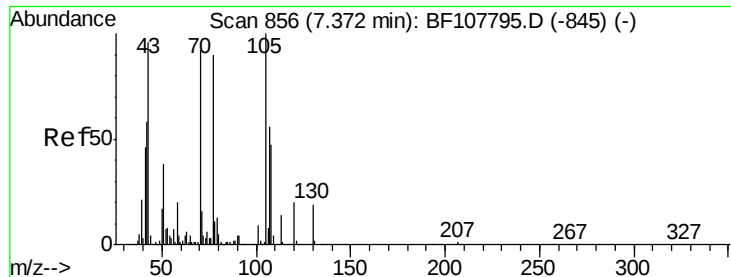
Tgt Ion: 112 Resp: 393777
 Ion Ratio Lower Upper
 112 100
 64 63.1 47.9 71.9
 63 31.8 23.7 35.5



#7
 Phenol-d6
 Concen: 43.664 ng
 RT: 6.60 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF107867.D
 Acq: 31 Jul 2018 23:14

Tgt Ion: 99 Resp: 571969
 Ion Ratio Lower Upper
 99 100
 42 17.6 14.5 21.7
 71 31.8 25.4 38.0

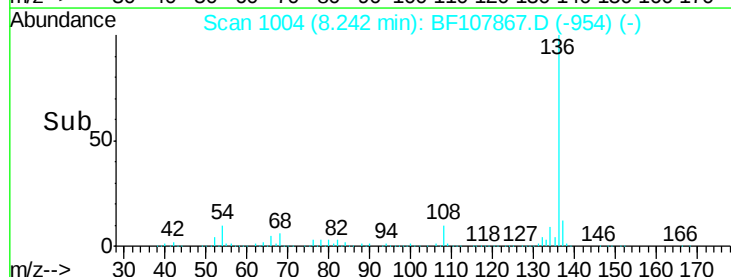
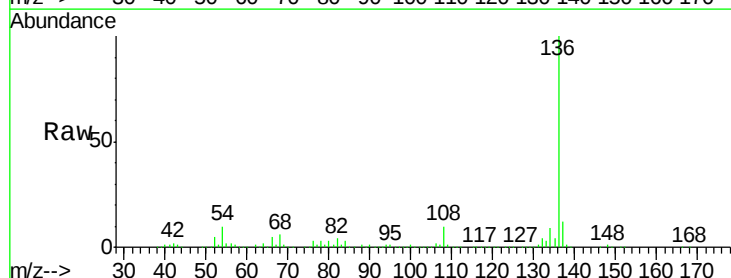
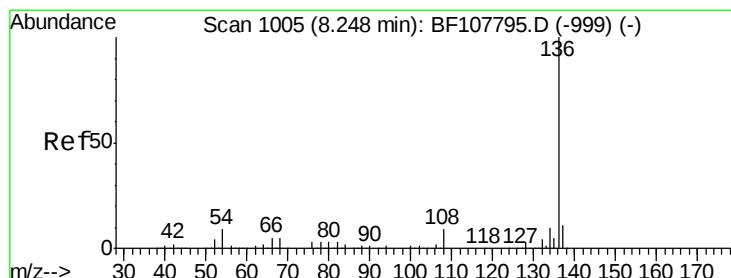
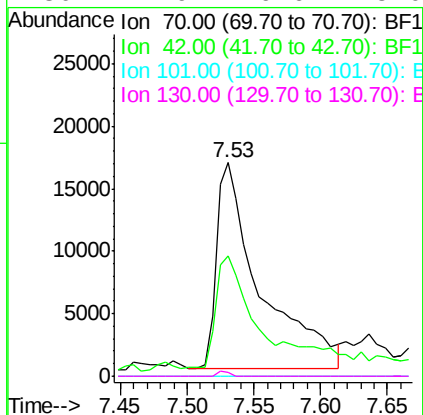




#19
n-Nitroso-di-n-propylamine
Concen: 4.594 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

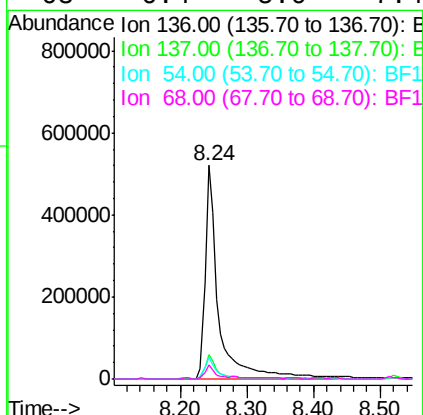
Instrument :
BNA_F
ClientSampleId :
NB-08-073018-A

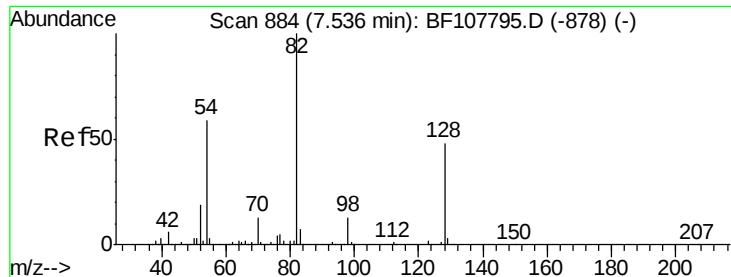
Tgt Ion: 70 Resp: 38171
Ion Ratio Lower Upper
70 100
42 56.2 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

Tgt Ion: 136 Resp: 732950
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 10.0 6.6 9.8#
68 6.4 5.0 7.4

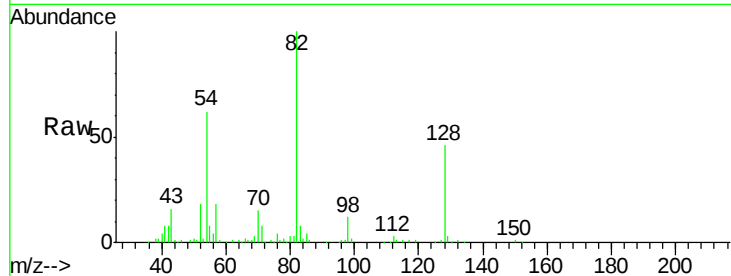




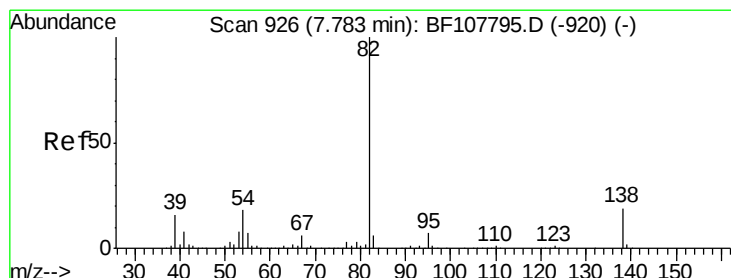
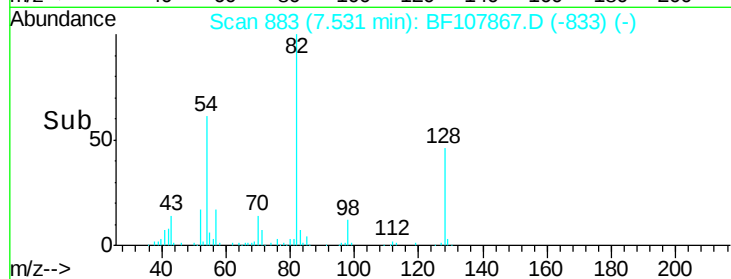
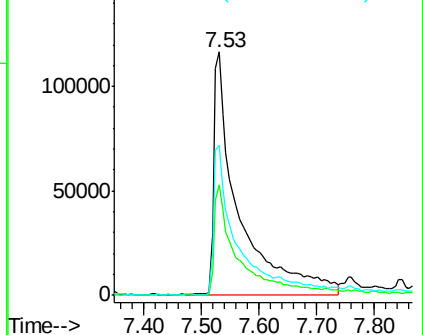
#23
Nitrobenzene-d5
Concen: 27.012 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

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

Tgt Ion: 82 Resp: 343656
Ion Ratio Lower Upper
82 100
128 45.6 36.1 54.1
54 61.8 41.4 62.2

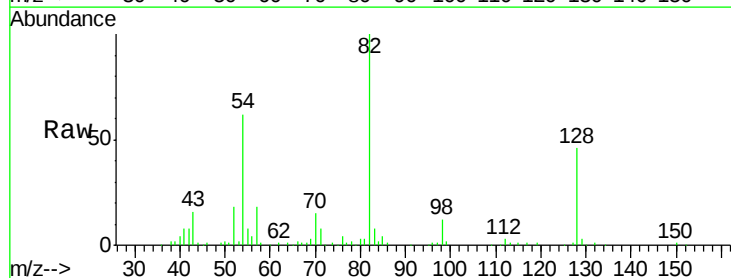


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

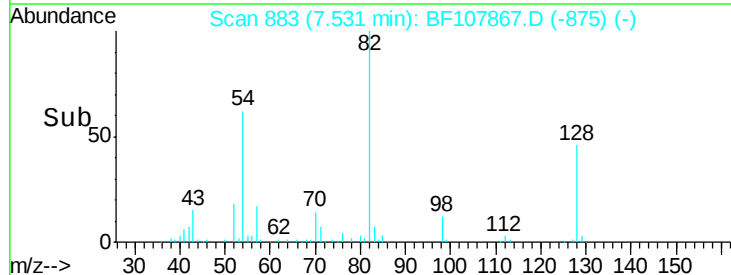
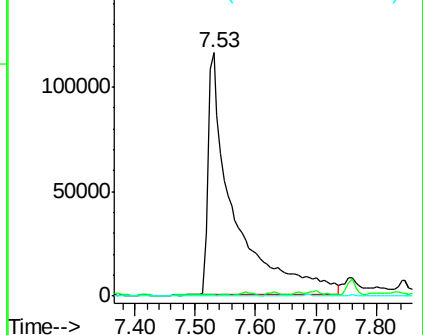


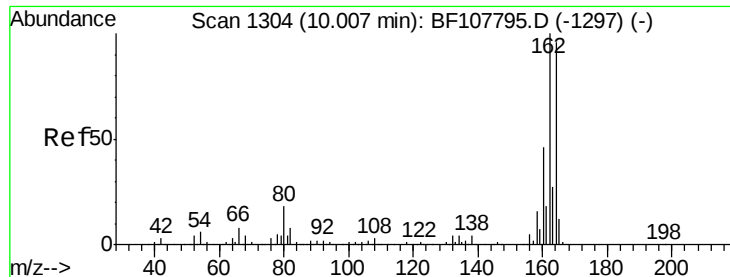
#25
Isophorone
Concen: 16.239 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

Tgt Ion: 82 Resp: 339131
Ion Ratio Lower Upper
82 100
95 0.5 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: BF107867.D

Acq: 31 Jul 2018 23:14

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-A

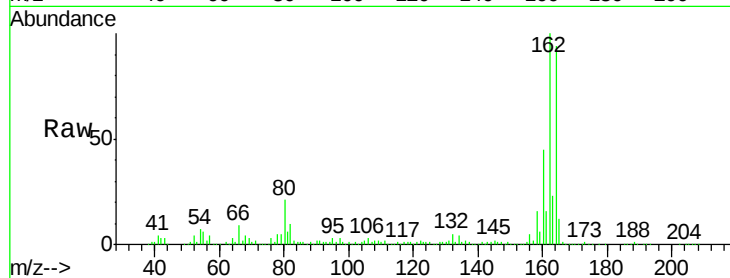
Tgt Ion:164 Resp: 296210

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

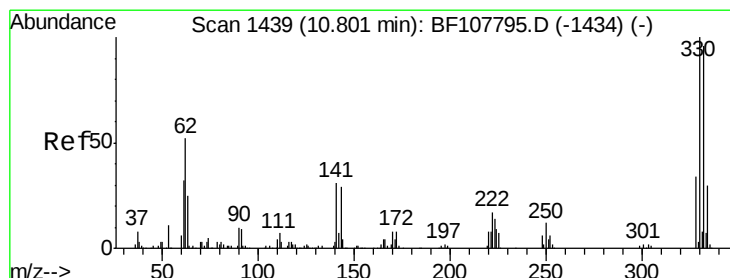
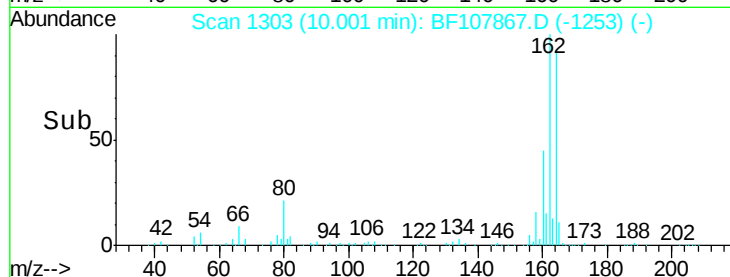
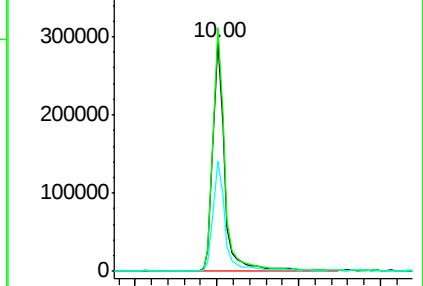
160 47.9 38.3 57.5



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: 32.246 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107867.D

Acq: 31 Jul 2018 23:14

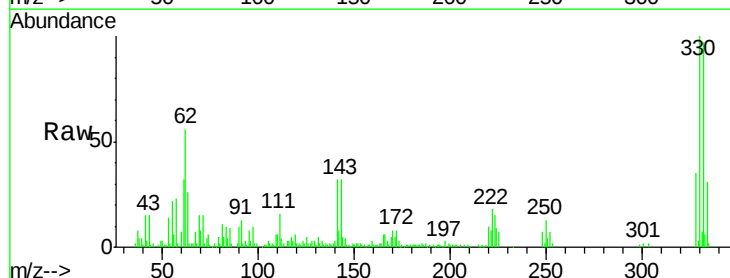
Tgt Ion:330 Resp: 129787

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

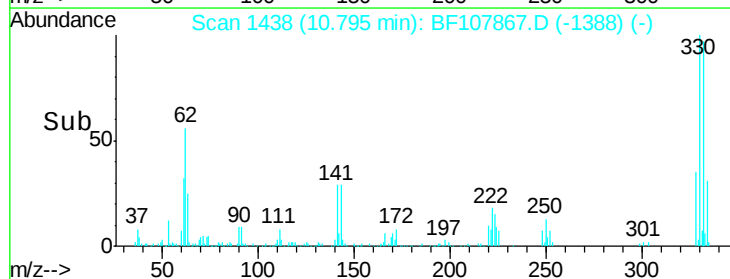
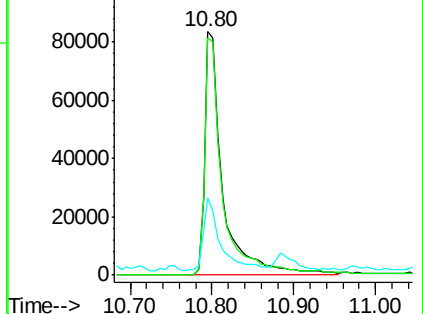
141 27.7 29.9 44.9#

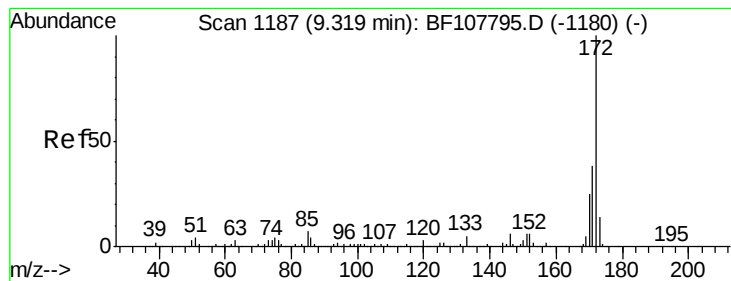


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 33.707 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF107867.D

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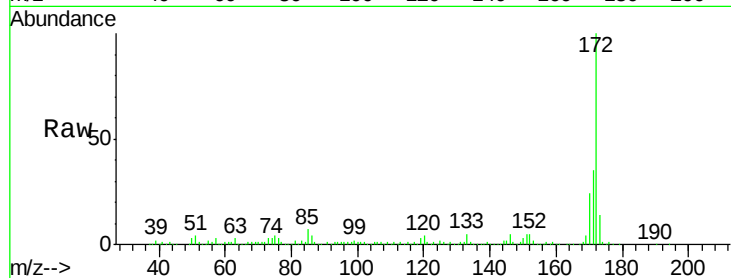
Tgt Ion:172 Resp: 716494

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

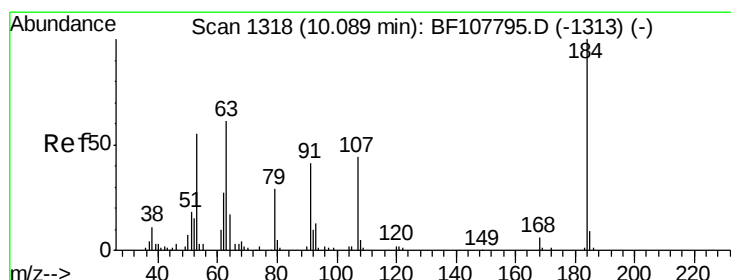
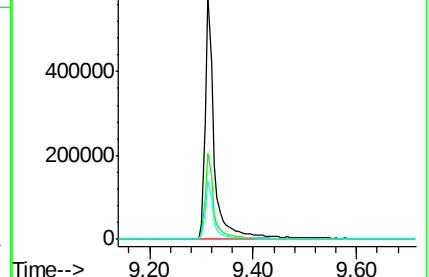
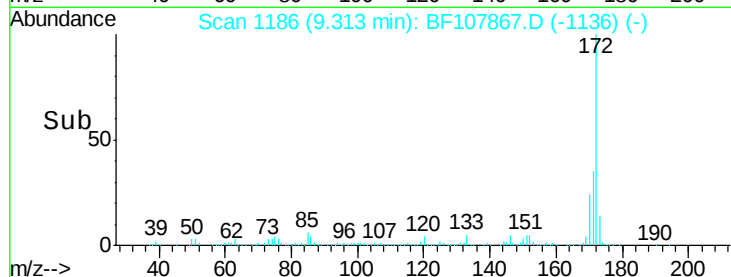
170 23.6 19.6 29.4



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



#53

2,4-Dinitrophenol

Concen: 8.532 ng

RT: 10.23 min Scan# 1342

Delta R.T. 0.14 min

Lab File: BF107867.D

Acq: 31 Jul 2018 23:14

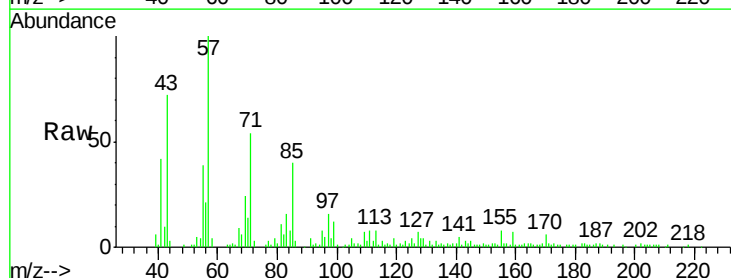
Tgt Ion:184 Resp: 260

Ion Ratio Lower Upper

184 100

63 159.1 54.2 81.2#

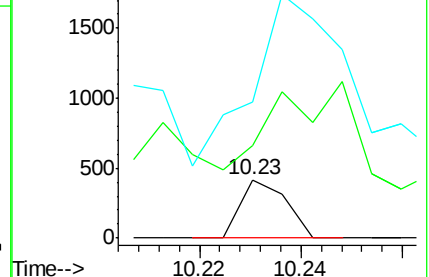
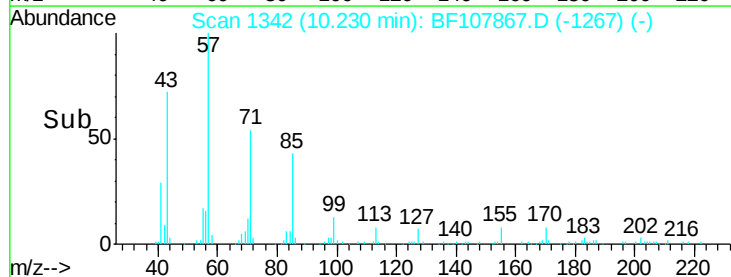
154 233.3 184.0 276.0

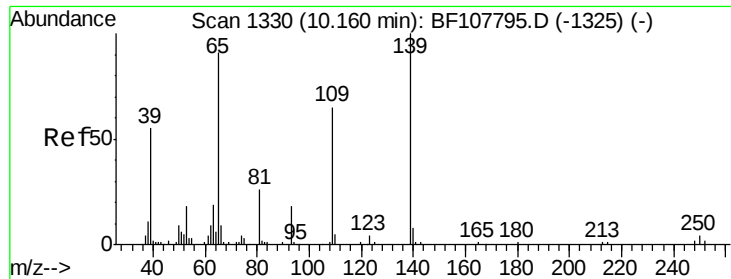


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 9.370 ng

RT: 10.14 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF107867.D

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NB-08-073018-A

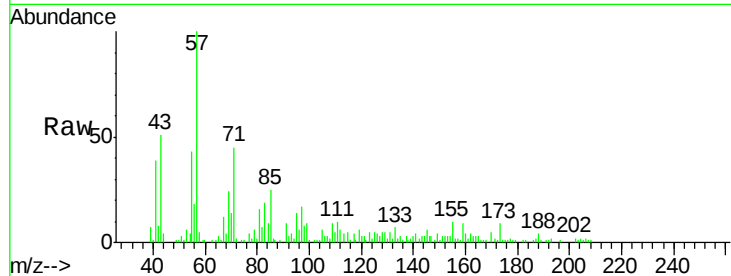
Tgt Ion:139 Resp: 185

Ion Ratio Lower Upper

139 100

109 375.3 48.4 88.4#

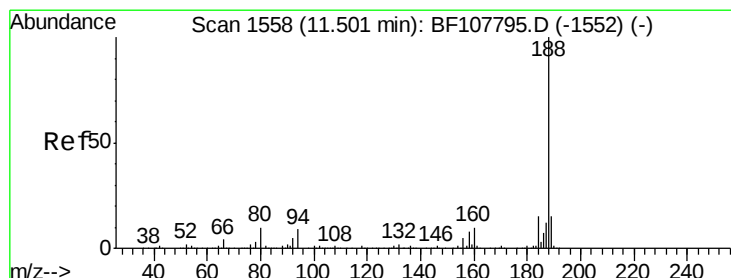
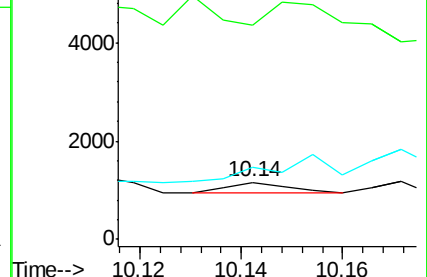
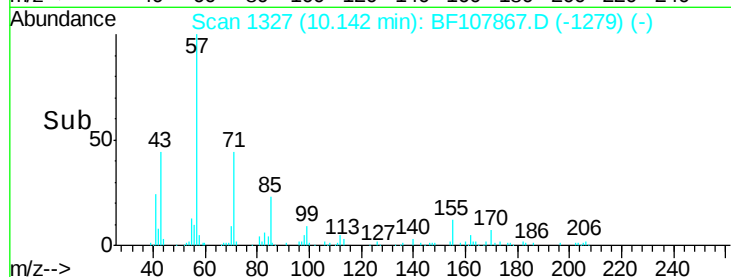
65 126.2 72.6 112.6#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107867.D

Acq: 31 Jul 2018 23:14

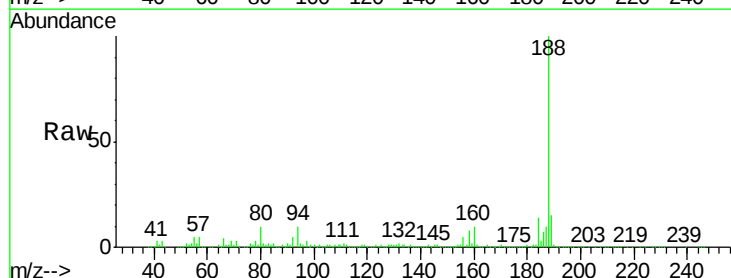
Tgt Ion:188 Resp: 498705

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

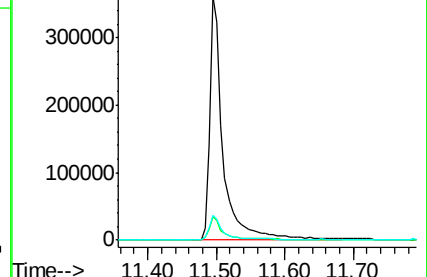
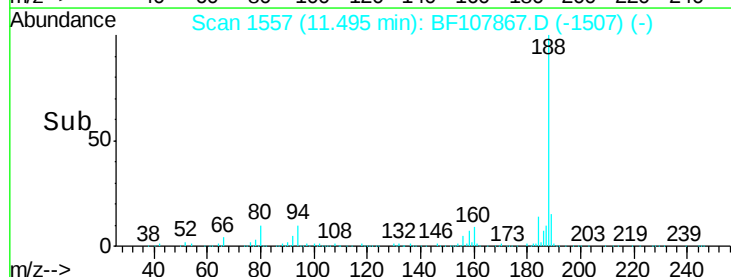
80 10.3 9.2 13.8

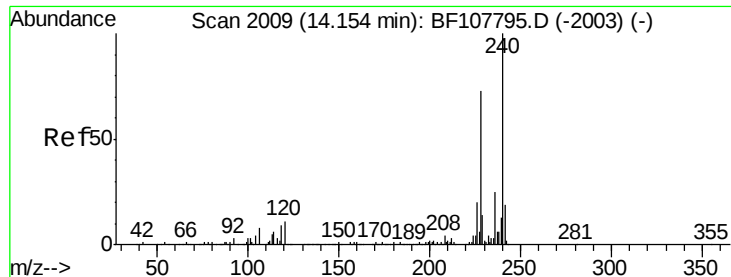


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107867.D

Acq: 31 Jul 2018 23:14

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-A

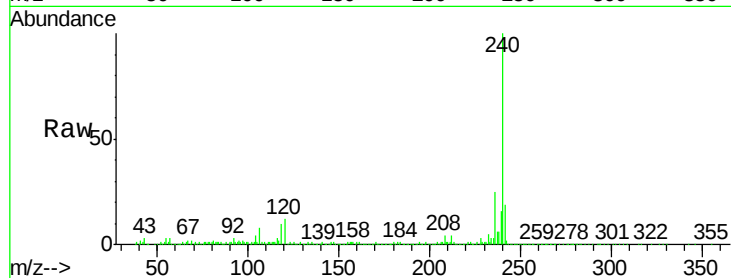
Tgt Ion:240 Resp: 460167

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

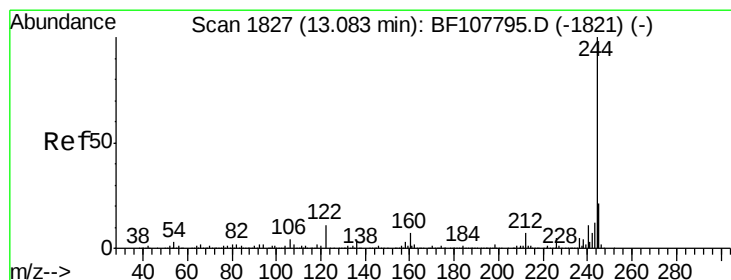
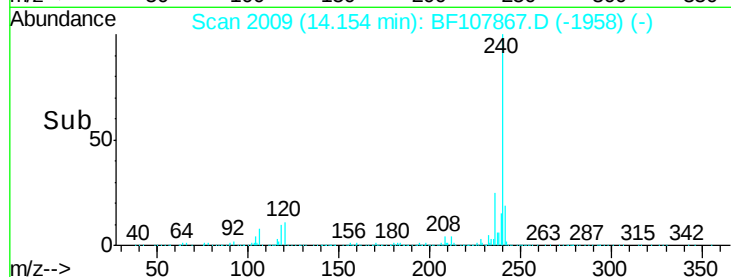
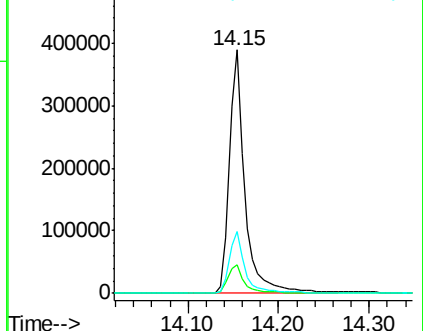
236 25.3 20.7 31.1



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: 27.088 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107867.D

Acq: 31 Jul 2018 23:14

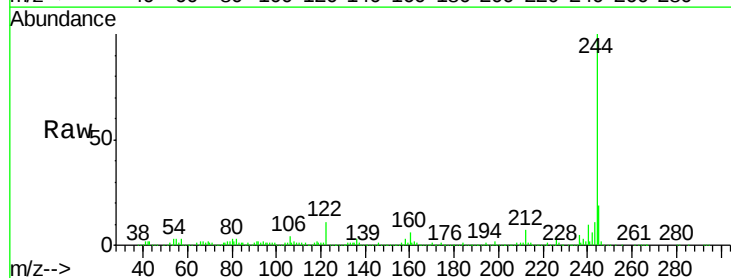
Tgt Ion:244 Resp: 574839

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

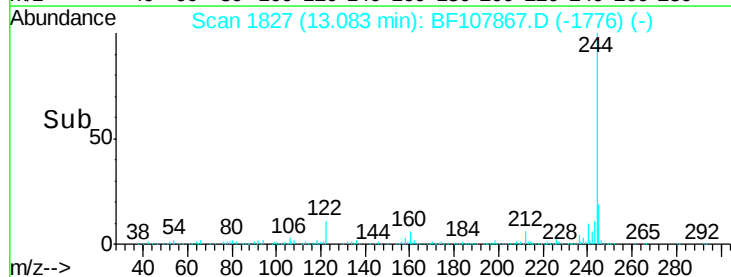
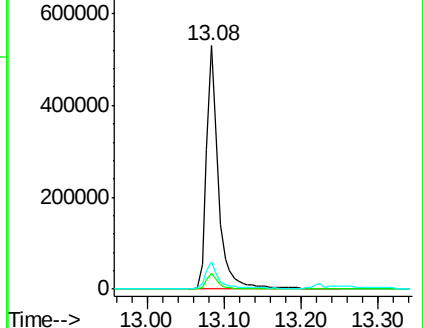
122 11.2 11.0 16.4

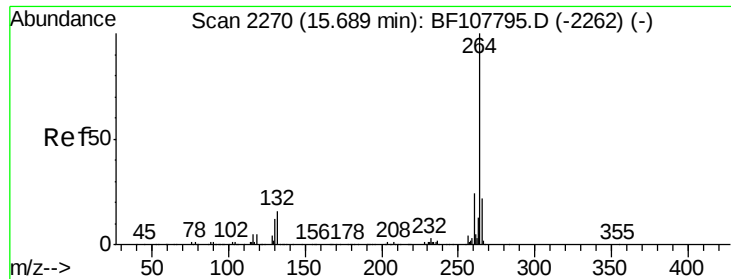


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

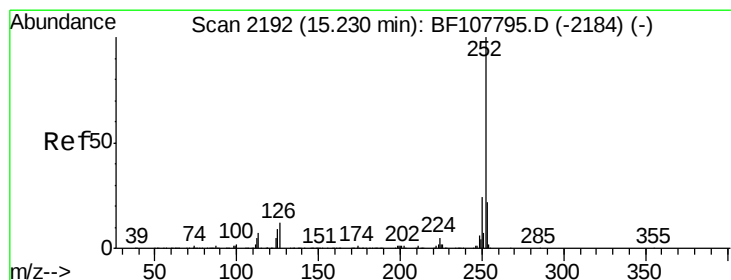
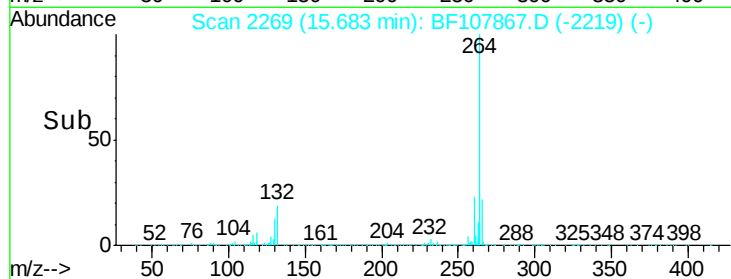
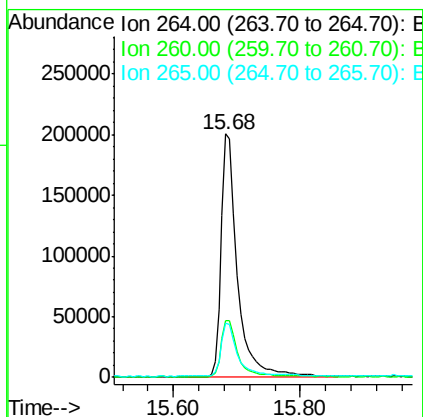
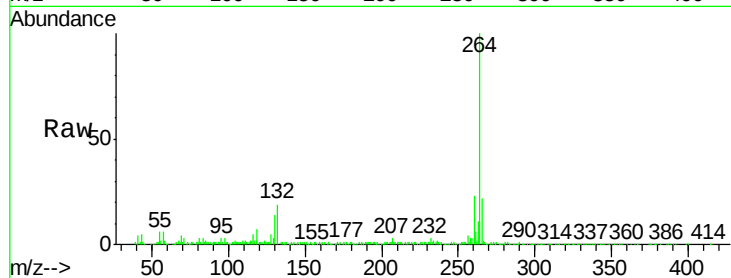




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

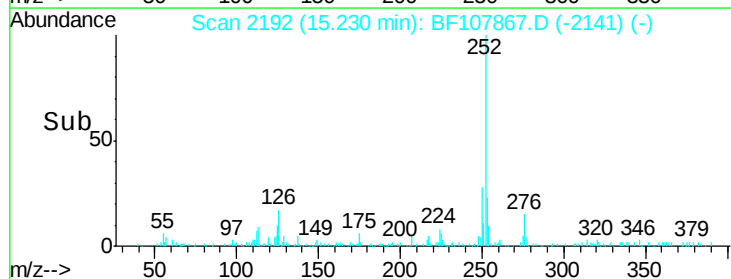
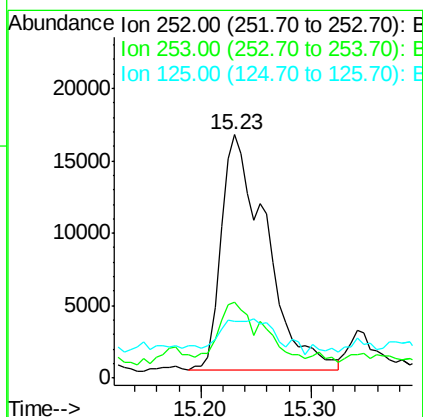
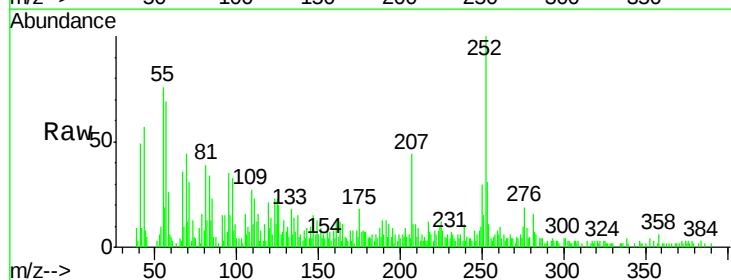
Instrument :
BNA_F
ClientSampleId :
NB-08-073018-A

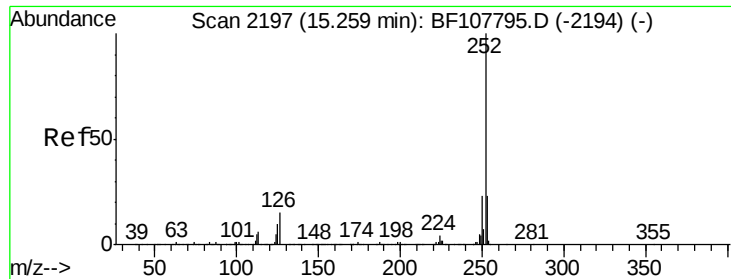
Tgt Ion:264 Resp: 360535
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.611 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107867.D
Acq: 31 Jul 2018 23:14

Tgt Ion:252 Resp: 46421
Ion Ratio Lower Upper
252 100
253 31.1 17.0 25.6#
125 23.3 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.141 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107867.D

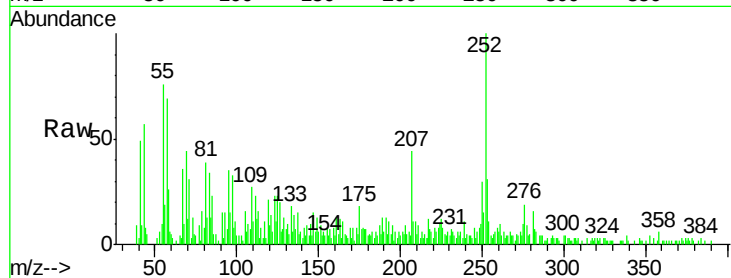
Acq: 31 Jul 2018 23:14

Instrument :

BNA_F

ClientSampleId :

NB-08-073018-A



Tgt Ion:	252	Resp:	46738
Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.9	26.9#
125	23.3	10.2	15.2#

