

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108699.D
 Acq On : 31 Aug 2018 19:50
 Operator : JU/SJ
 Sample : J4712-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:48:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

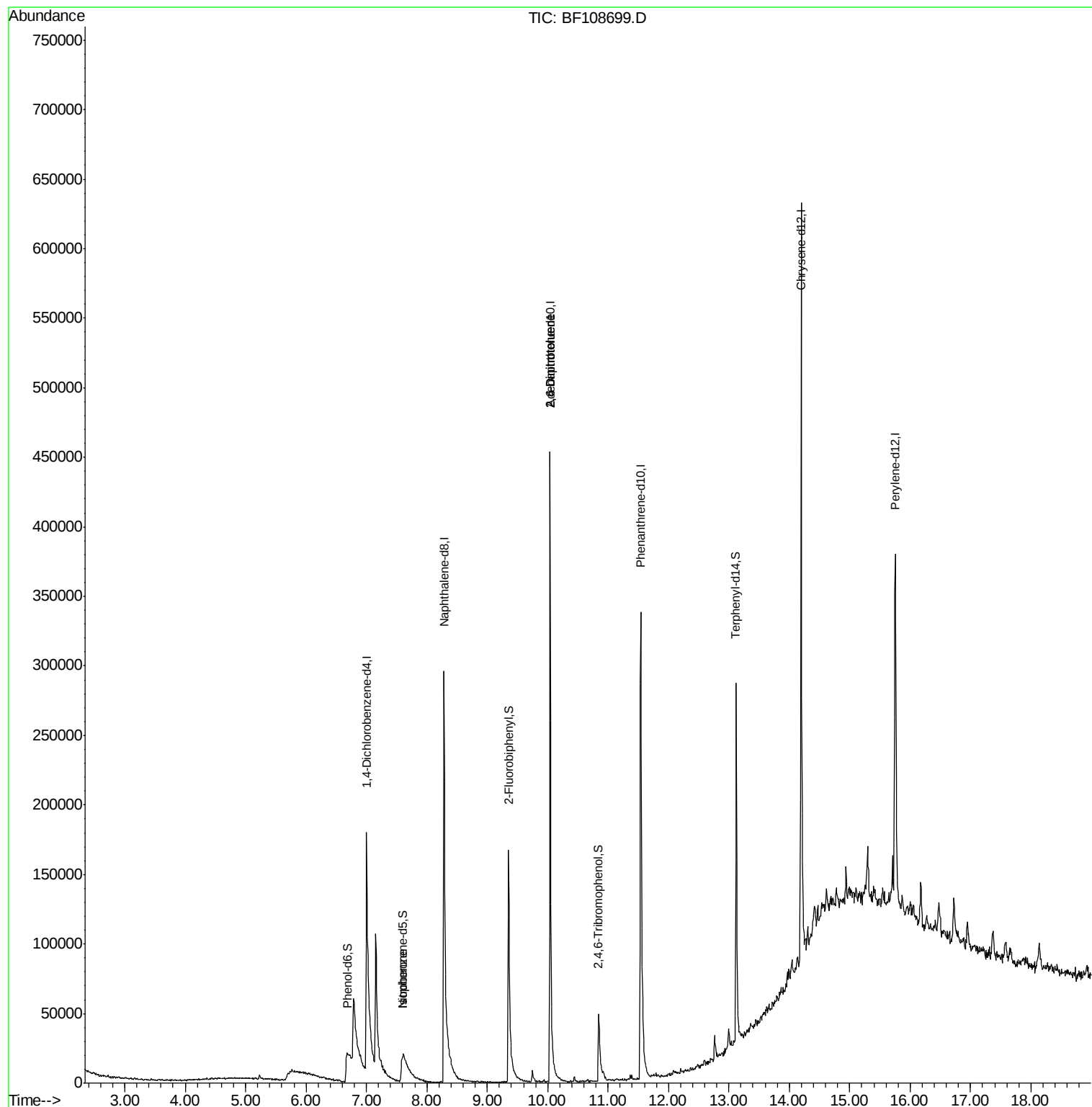
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	66335	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	310421	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	129802	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	241375	20.00	ng	0.00
75) Chrysene-d12	14.19	240	239800	20.00	ng	0.00
86) Perylene-d12	15.75	264	170726	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	3465	0.91	ng	0.06
7) Phenol-d6	6.68	99	15359	2.81	ng	0.04
23) Nitrobenzene-d5	7.60	82	54124	8.85	ng	0.03
41) 2,4,6-Tribromophenol	10.84	330	18376	10.72	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	125913	13.04	ng	0.00
78) Terphenyl-d14	13.12	244	127707	10.35	ng	-0.01
Target Compounds						
25) Isophorone	7.60	82	54124	5.328	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	15723	6.979	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	16195	5.429	ng	# 23

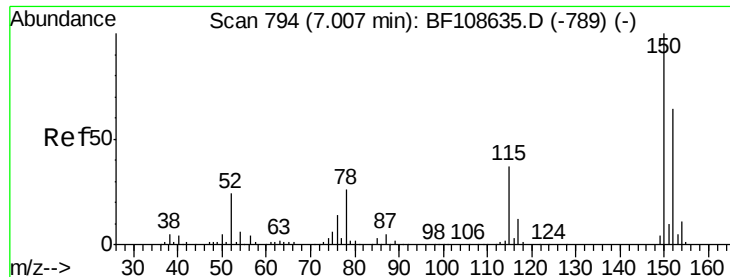
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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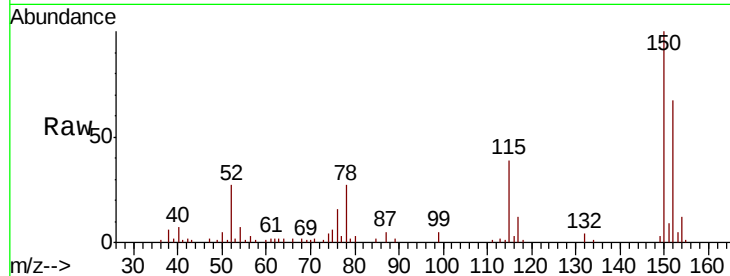


#1

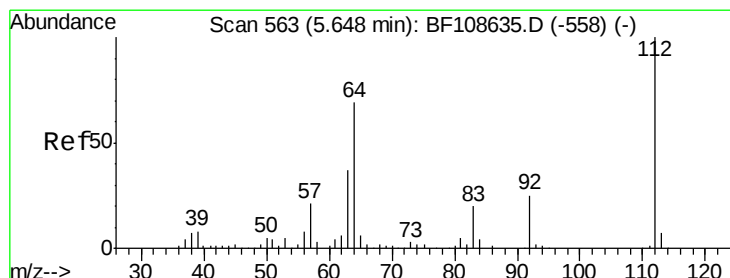
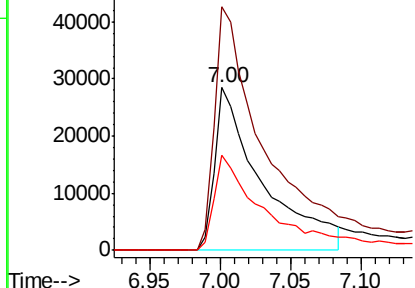
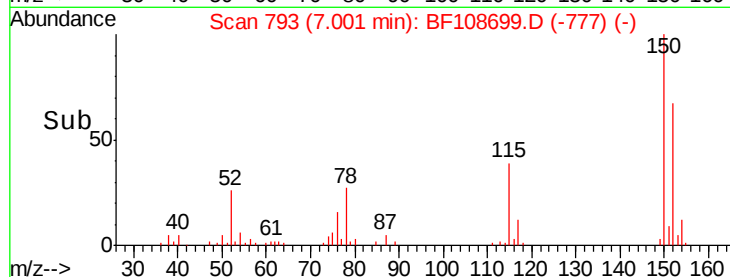
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108699.D
Acq: 31 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	124.6	186.8
115	58.6	50.1	75.1



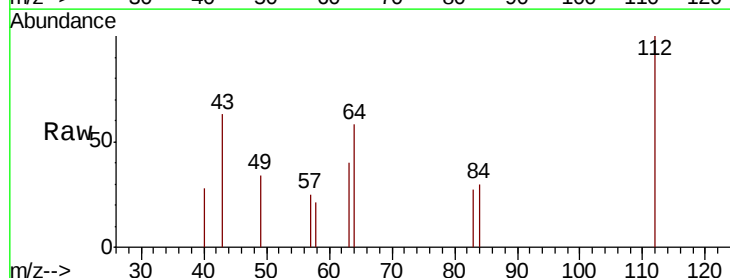
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



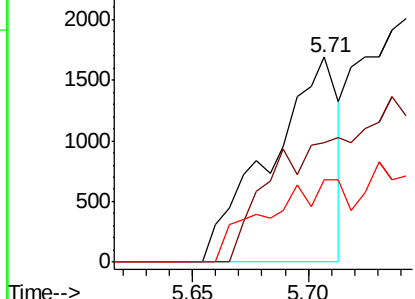
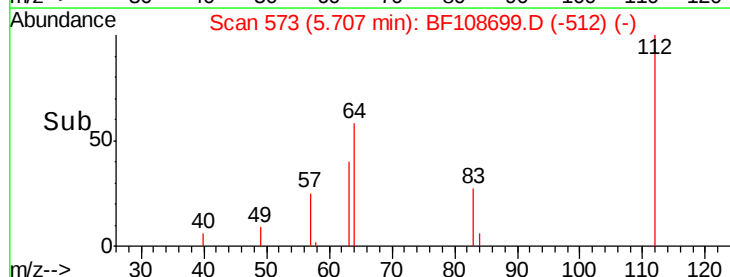
#5

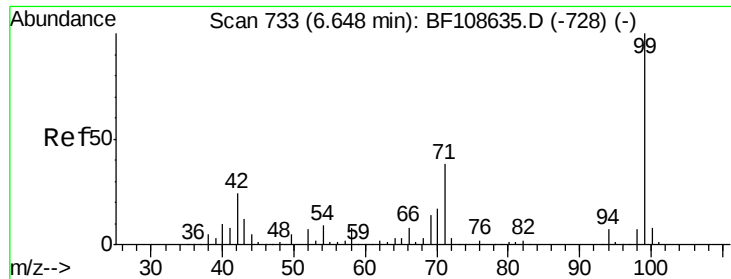
2-Fluorophenol
Concen: 0.907 ng
RT: 5.71 min Scan# 573
Delta R.T. 0.06 min
Lab File: BF108699.D
Acq: 31 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.9	71.9
63	40.0	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: 2.808 ng

RT: 6.68 min Scan# 739

Delta R.T. 0.04 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

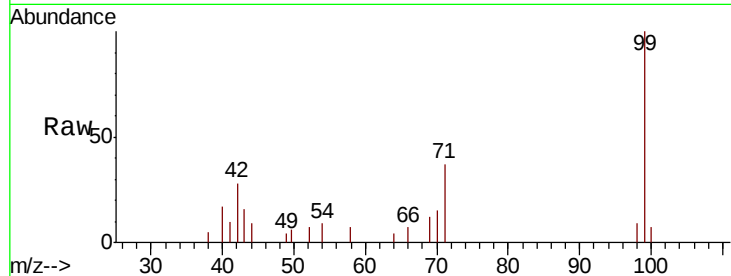
Tot Ion: 99 Resp: 15359

Ion Ratio Lower Upper

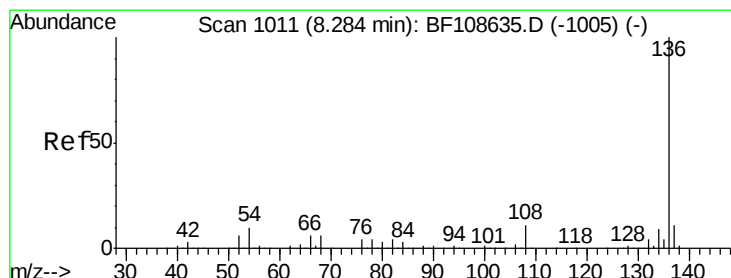
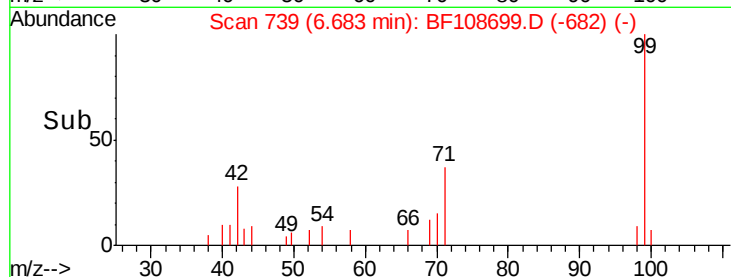
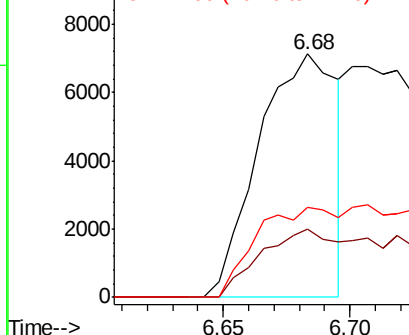
99 100

42 28.0 14.5 21.7#

71 37.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

Tgt Ion: 136 Resp: 310421

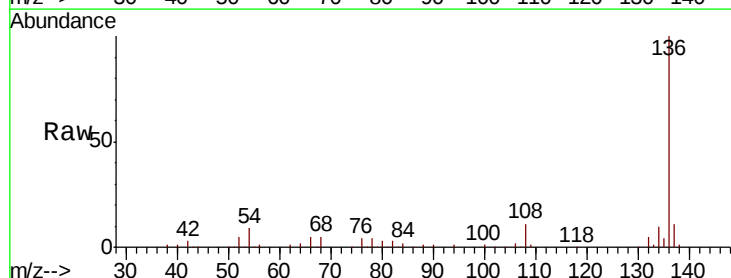
Ion Ratio Lower Upper

136 100

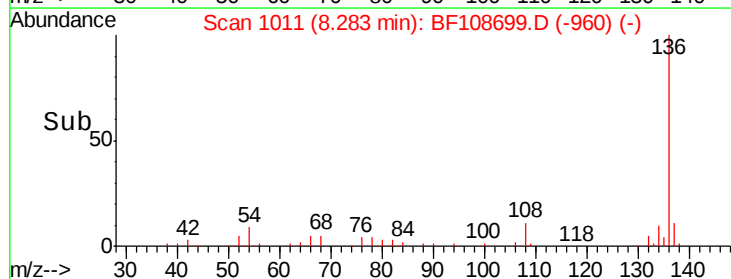
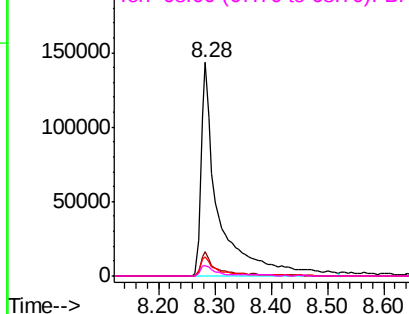
137 11.3 8.9 13.3

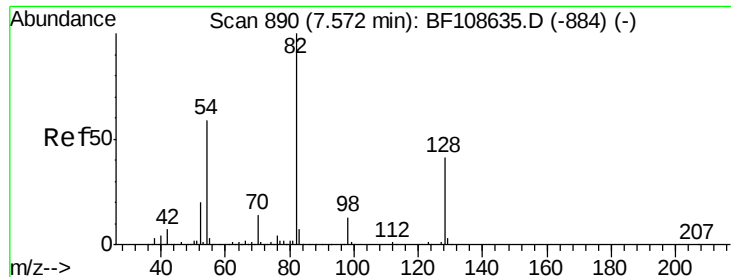
54 9.2 6.6 9.8

68 5.0 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

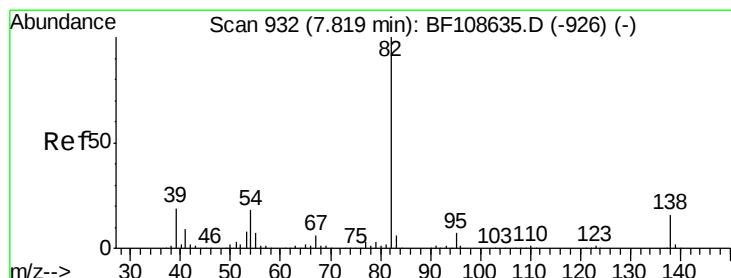
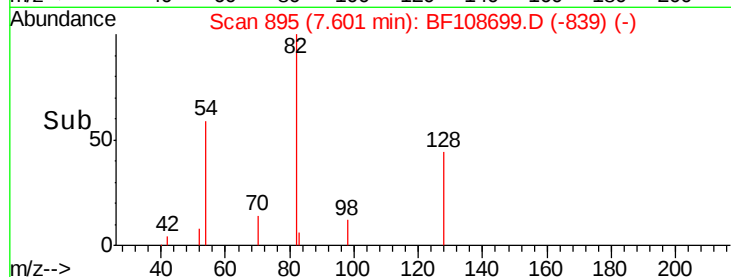
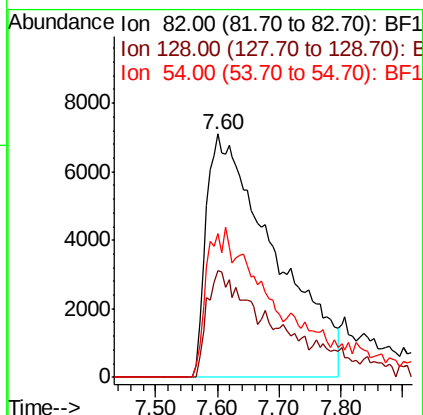
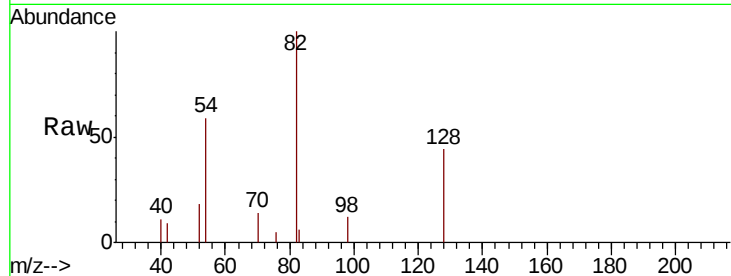




#23
Nitrobenzene-d5
Concen: 8.850 ng
RT: 7.60 min Scan# 895
Delta R.T. 0.03 min
Lab File: BF108699.D
Acq: 31 Aug 2018 19:50

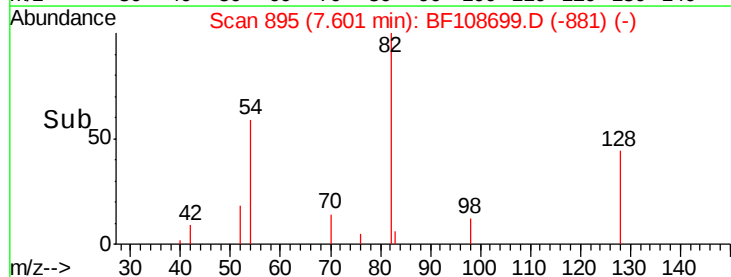
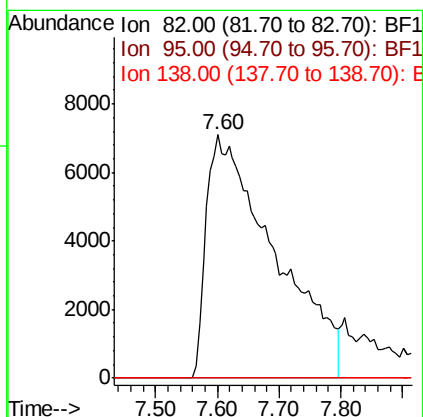
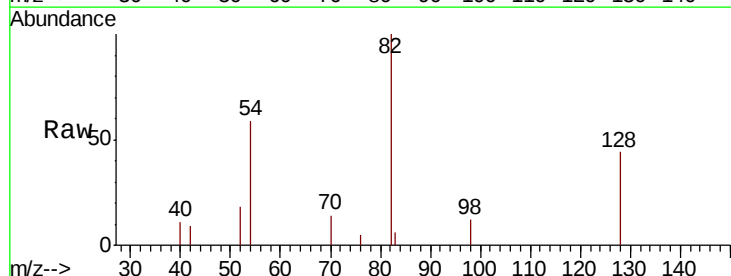
Instrument :
BNA_F
ClientSampled :

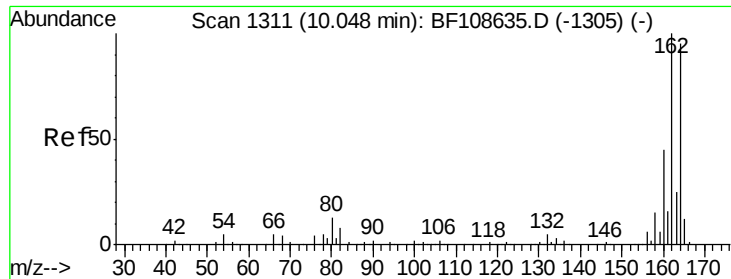
Tot Ion	82	Resp	54124
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.1	54.1
54	59.1	41.4	62.2



#25
Isophorone
Concen: 5.328 ng
RT: 7.60 min Scan# 895
Delta R.T. -0.22 min
Lab File: BF108699.D
Acq: 31 Aug 2018 19:50

Tgt Ion	82	Resp	54124
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

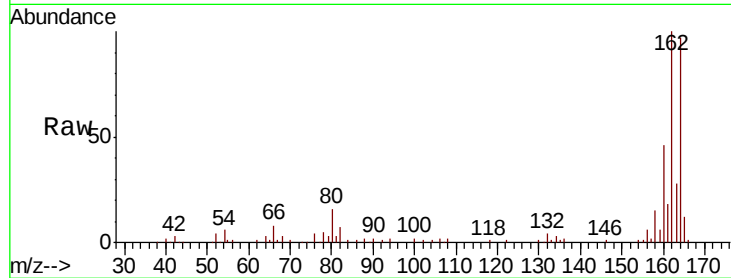
Tot Ion:164 Resp: 129802

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

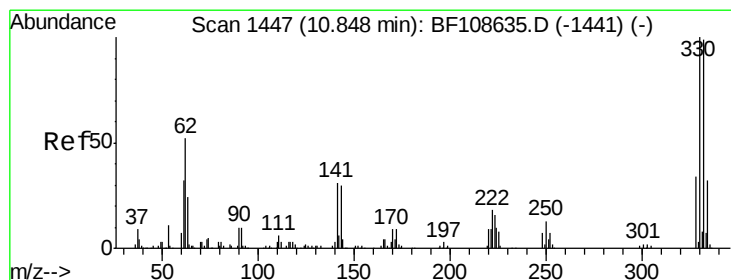
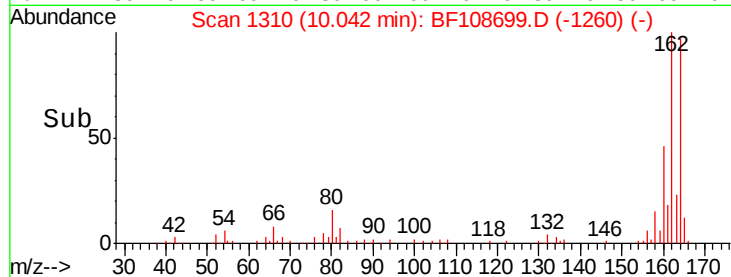
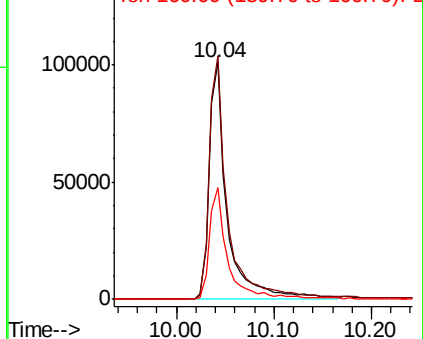
160 47.4 38.3 57.5



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: 10.724 ng

RT: 10.84 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

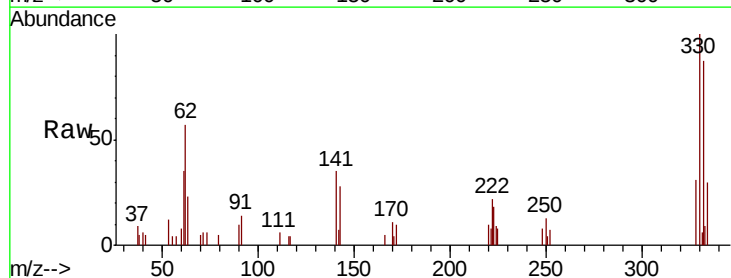
Tgt Ion:330 Resp: 18376

Ion Ratio Lower Upper

330 100

332 92.3 77.0 115.6

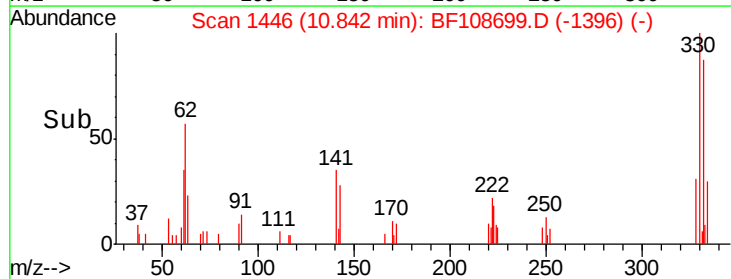
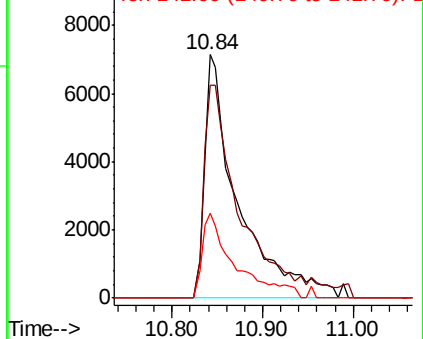
141 34.0 29.9 44.9

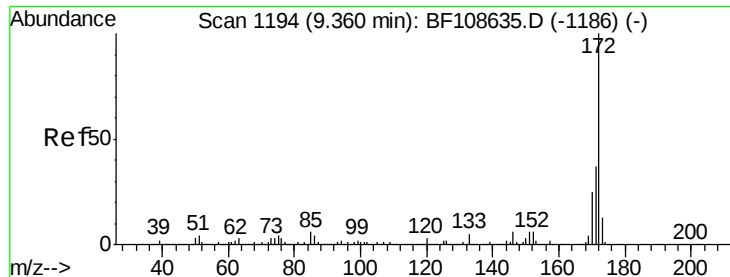


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 13.043 ng

RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

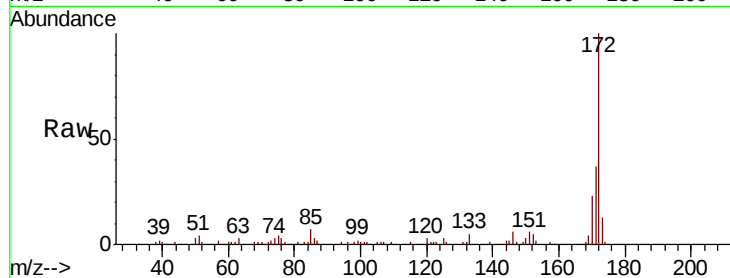
Tot Ion:172 Resp: 125913

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

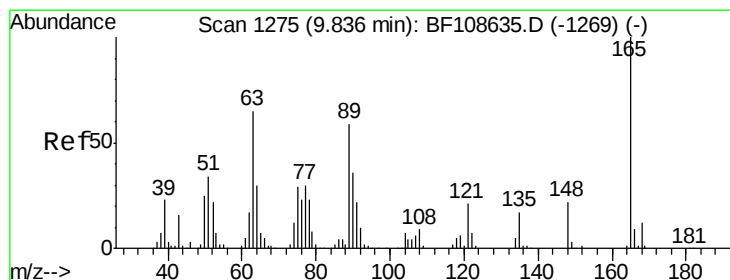
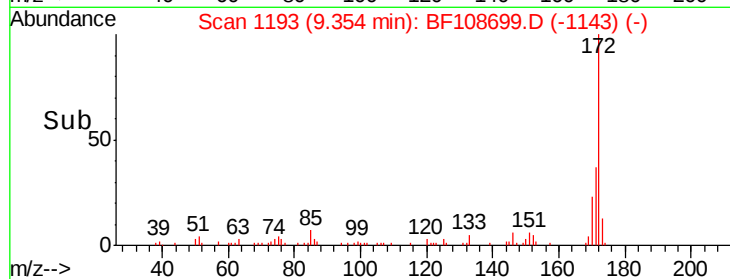
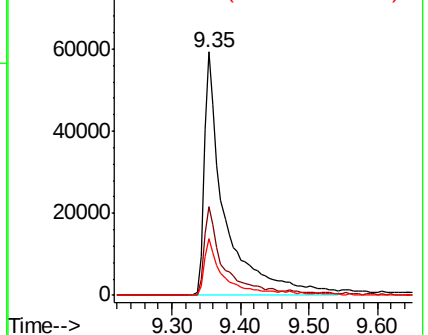
170 23.2 19.6 29.4



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: 6.979 ng

RT: 10.04 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

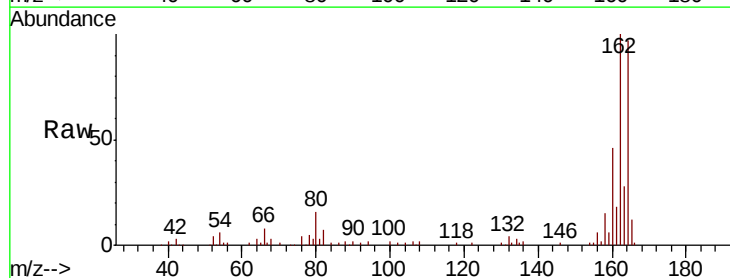
Tgt Ion:165 Resp: 15723

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

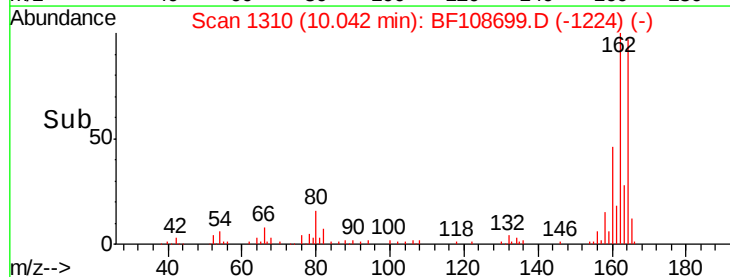
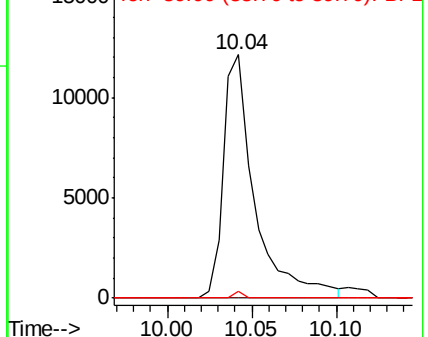
89 2.5 44.0 66.0#

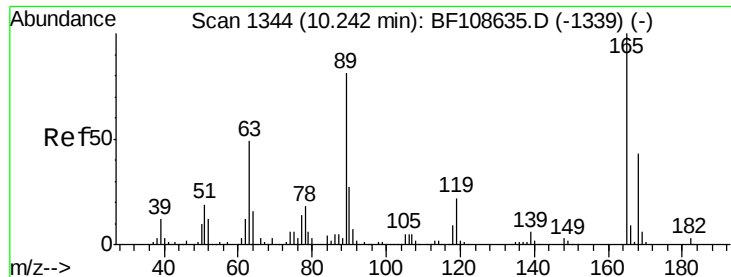


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

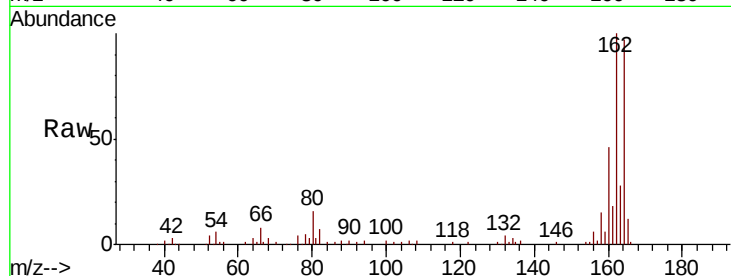




#56
 2,4-Dinitrotoluene
 Concen: 5.429 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108699.D
 Acq: 31 Aug 2018 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.5	57.8	86.6#
182	0.0	1.6	2.4#

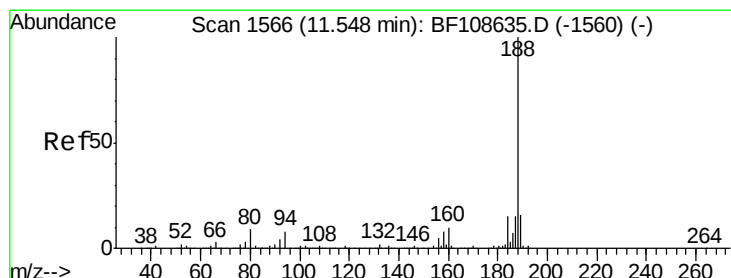
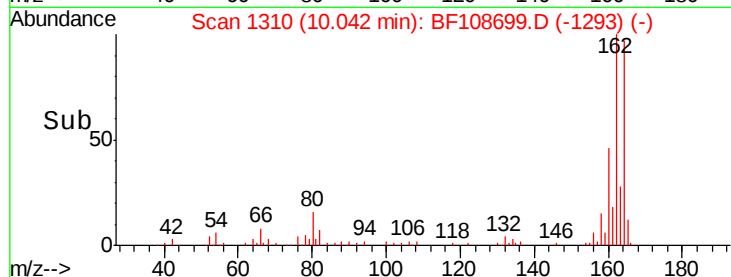
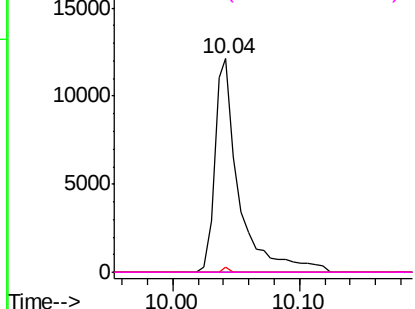


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

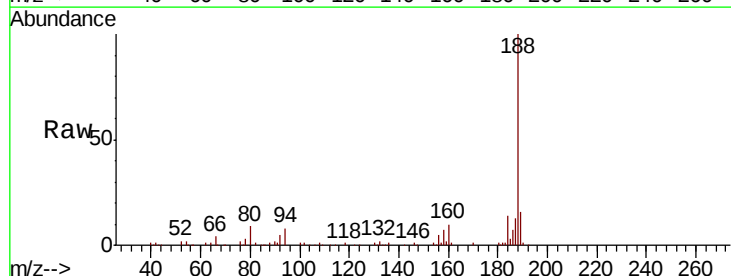
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108699.D
 Acq: 31 Aug 2018 19:50

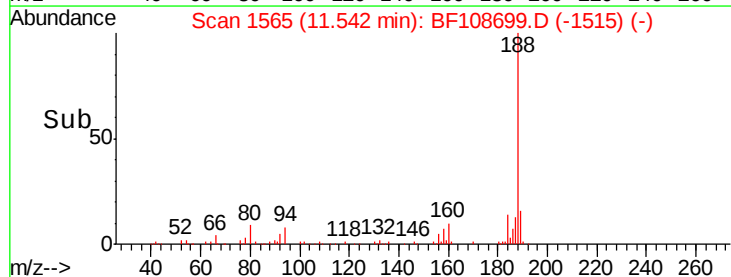
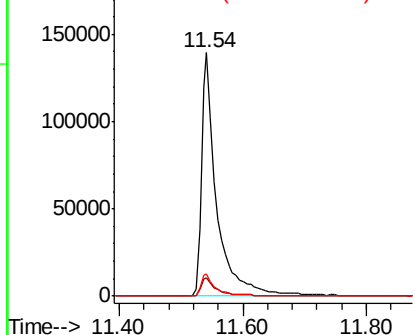
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	8.5	12.7#
80	8.9	9.2	13.8#

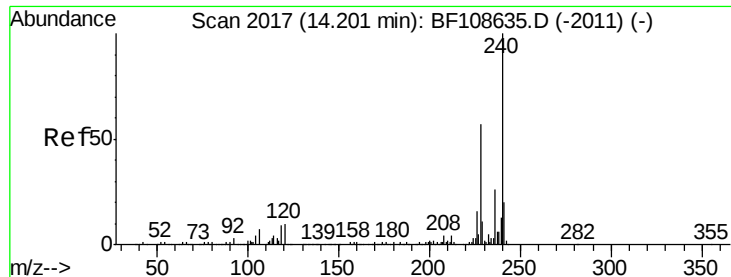


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

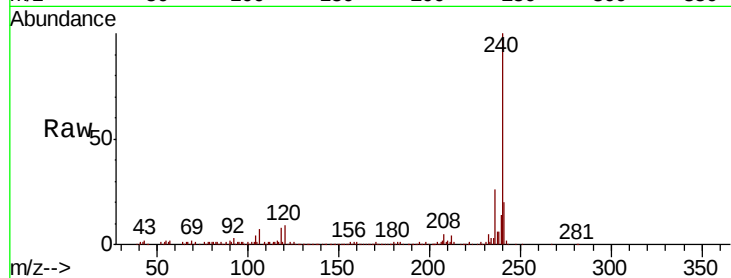
Tot Ion:240 Resp: 239800

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

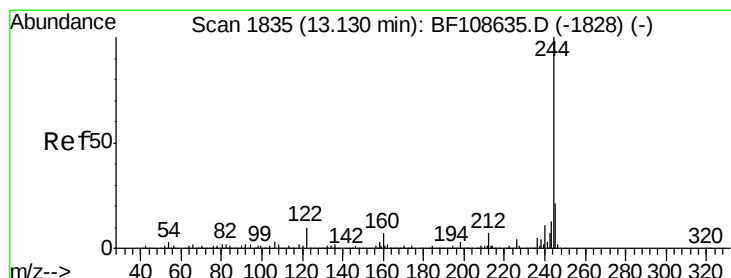
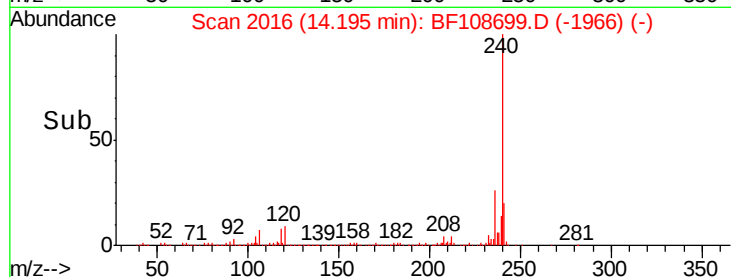
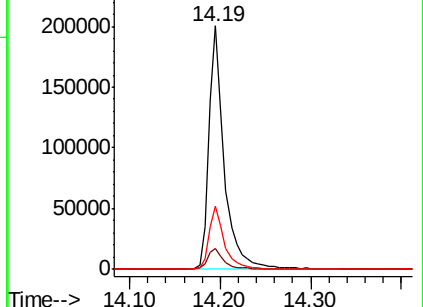
236 25.8 20.7 31.1



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: 10.347 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108699.D

Acq: 31 Aug 2018 19:50

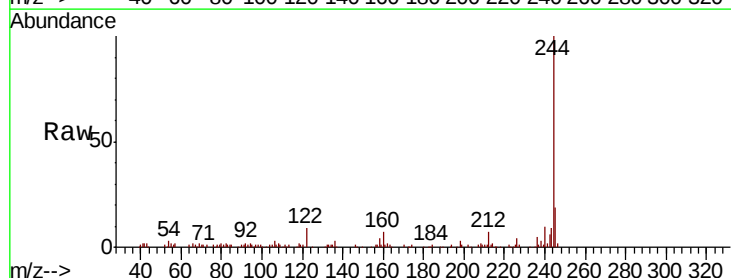
Tgt Ion:244 Resp: 127707

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

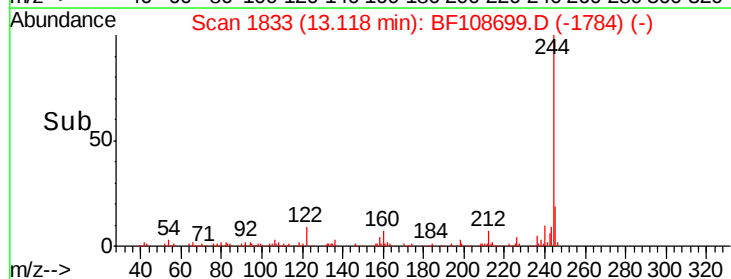
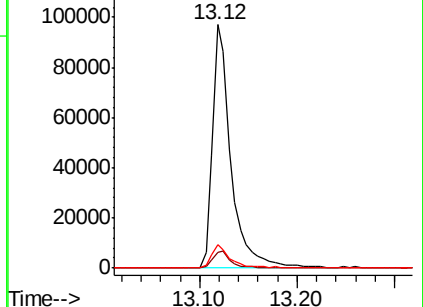
122 9.4 11.0 16.4#

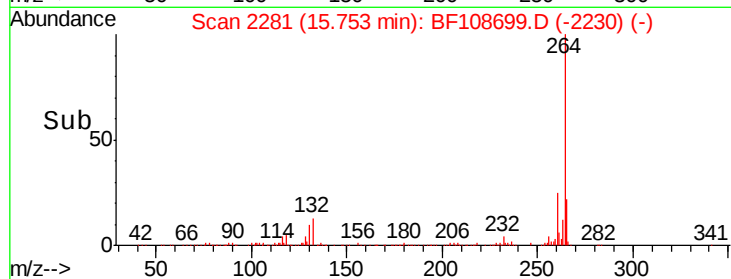
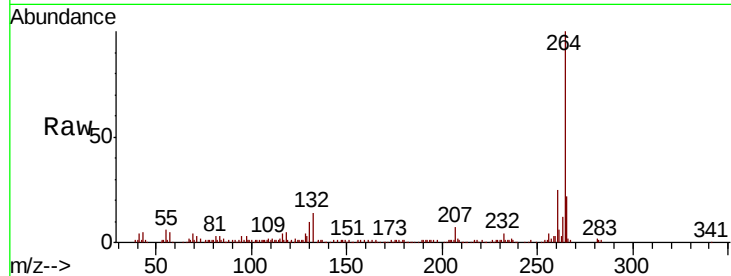
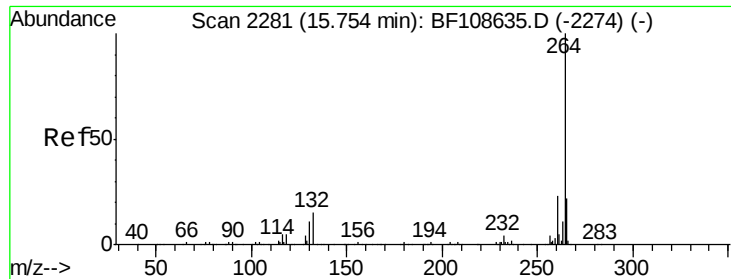


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108699.D
Acq: 31 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.1	17.5	26.3

