

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108647.D
 Acq On : 30 Aug 2018 18:28
 Operator : JU/SJ
 Sample : J4663-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 18:56:54 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

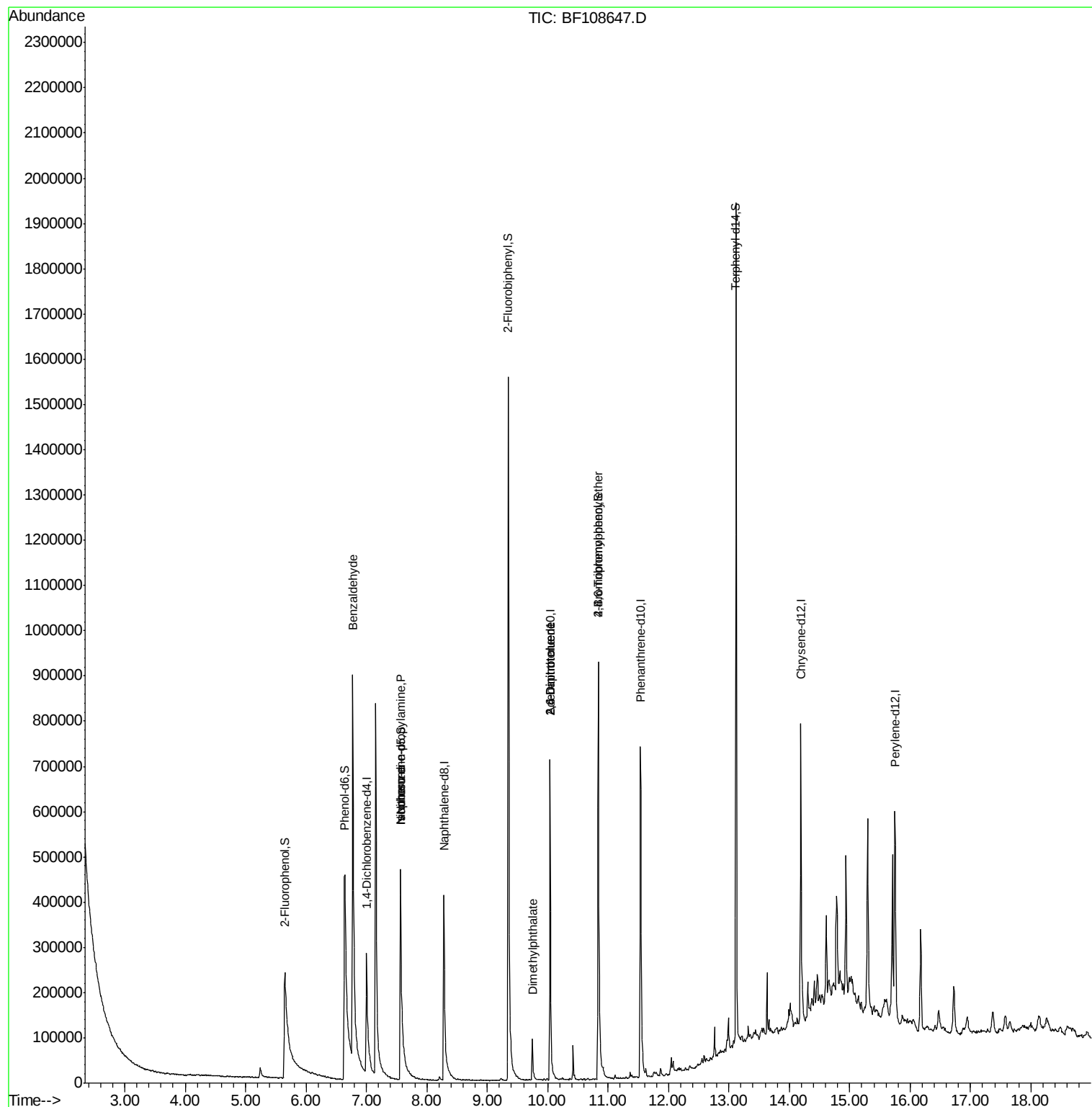
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	86644	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	356108	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	183622	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	366688	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	259930	20.00	ng	-0.01
86) Perylene-d12	15.75	264	277237	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	291260	58.40	ng	0.00
7) Phenol-d6	6.64	99	538651	75.40	ng	0.00
23) Nitrobenzene-d5	7.57	82	363433	51.80	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	165941	68.46	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	718896	52.64	ng	0.00
78) Terphenyl-d14	13.12	244	685586	51.25	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.77	77	10024	2.270	ng	# 74
19) n-Nitroso-di-n-propylamine	7.57	70	44681	9.340	ng	# 85
25) Isophorone	7.57	82	363433	31.184	ng	# 64
49) Dimethylphthalate	9.75	163	63500	4.392	ng	# 97
50) 2,6-Dinitrotoluene	10.04	165	23211	7.283	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	23599	5.592	ng	# 24
66) 4-Bromophenyl-phenylether	10.84	248	10698	2.374	ng	# 1

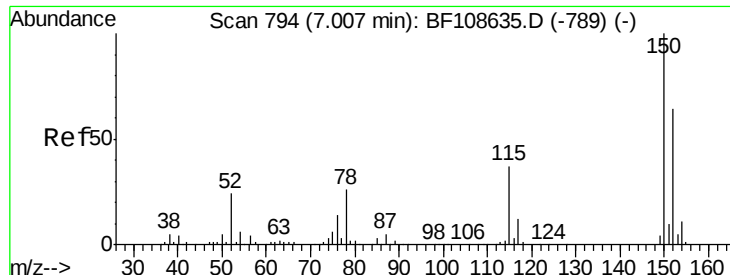
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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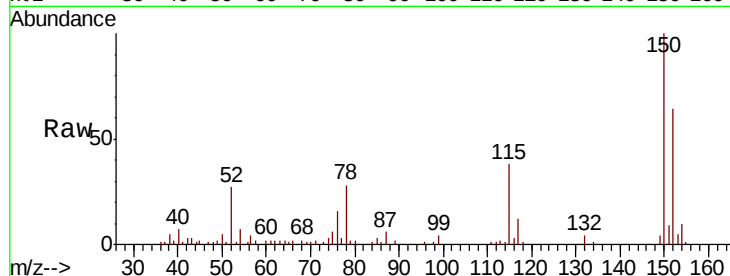


#1

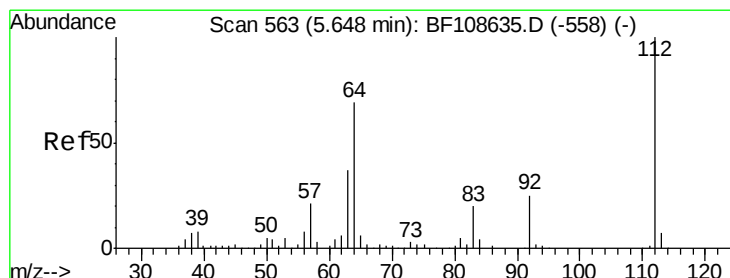
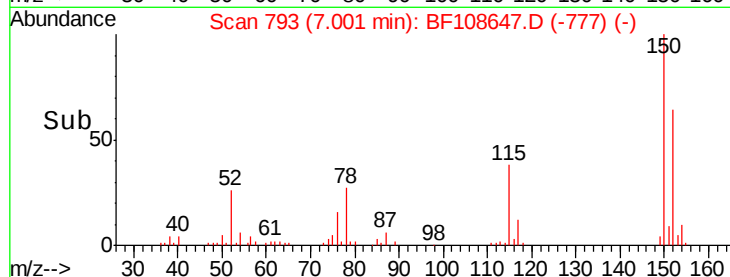
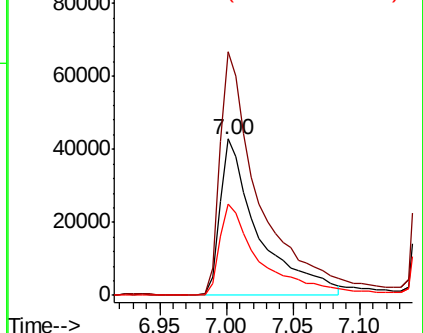
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86644
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 58.5 50.1 75.1



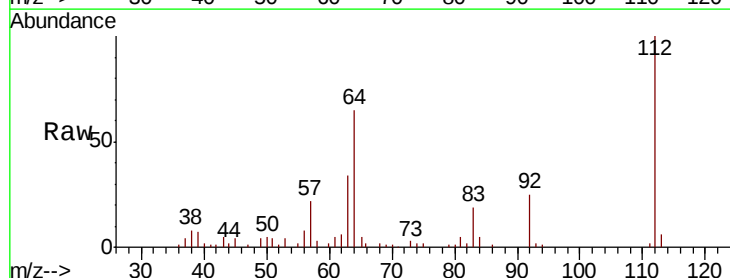
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



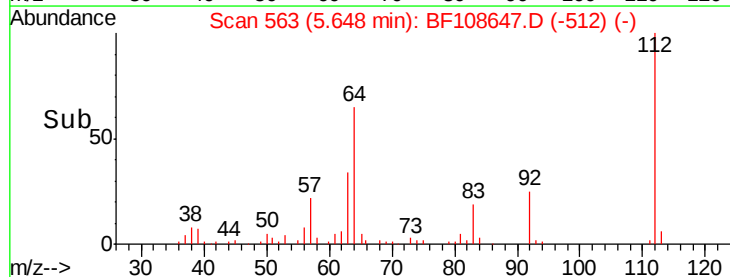
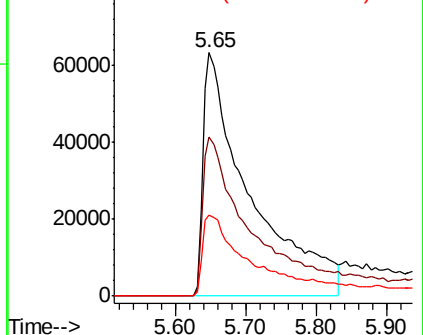
#5

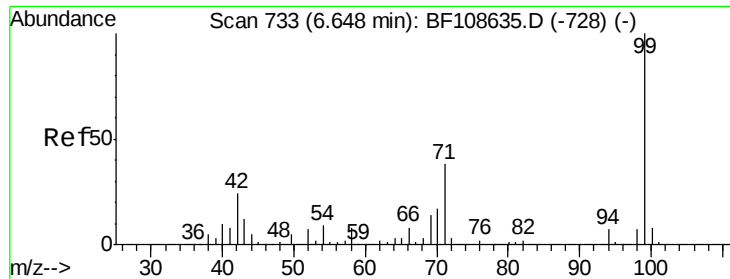
2-Fluorophenol
Concen: 58.397 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.00 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Tgt Ion:112 Resp: 291260
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 33.5 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: 75.405 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF108647.D

Acq: 30 Aug 2018 18:28

Instrument :

BNA_F

ClientSampled :

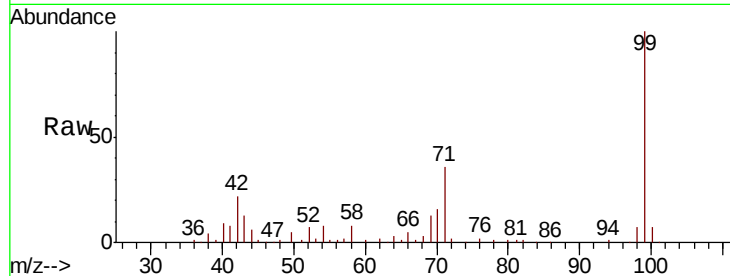
Tot Ion: 99 Resp: 538651

Ion Ratio Lower Upper

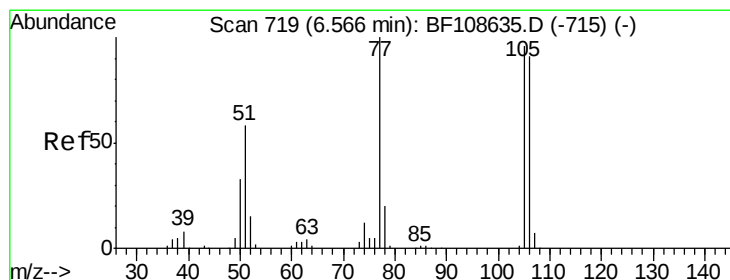
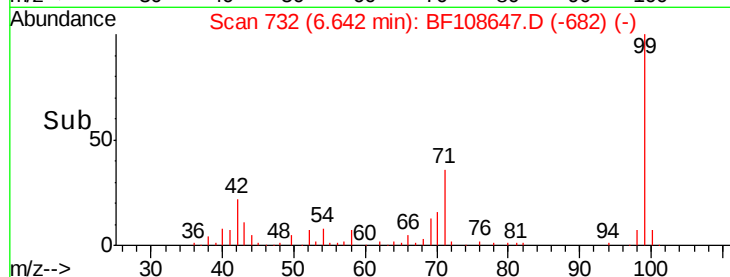
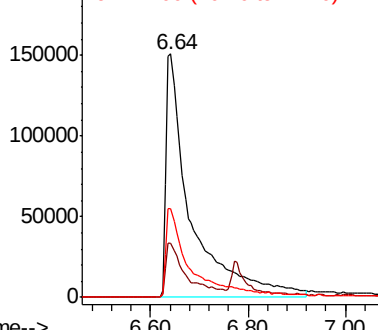
99 100

42 22.0 14.5 21.7#

71 36.2 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



#9

Benzaldehyde

Concen: 2.270 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108647.D

Acq: 30 Aug 2018 18:28

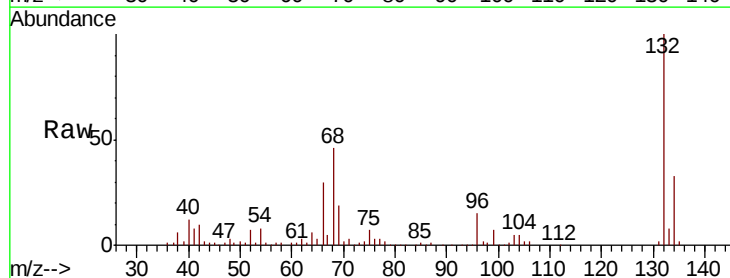
Tgt Ion: 77 Resp: 10024

Ion Ratio Lower Upper

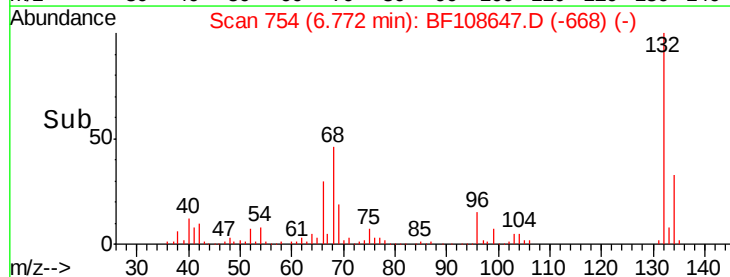
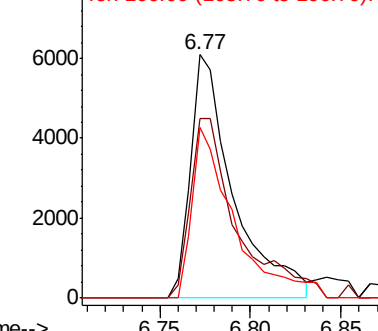
77 100

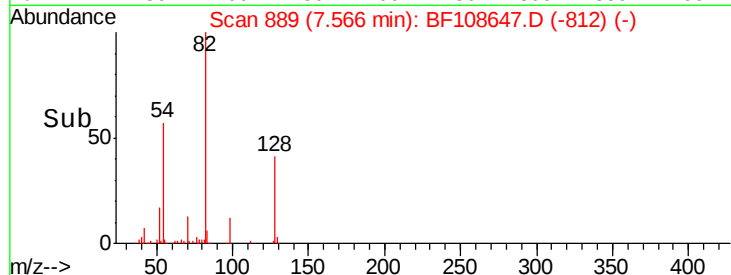
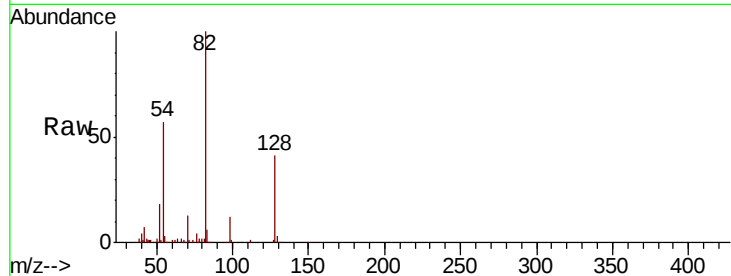
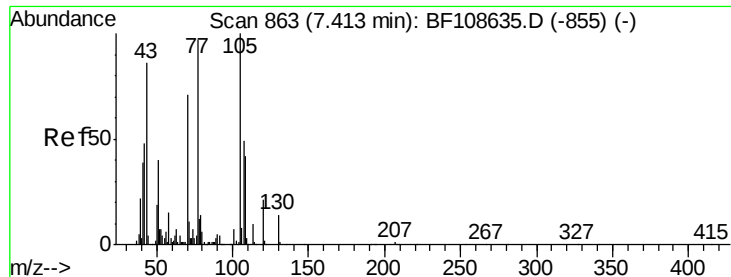
105 74.0 81.1 121.1#

106 70.2 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

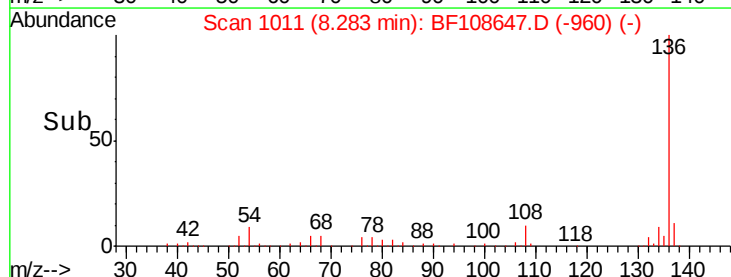
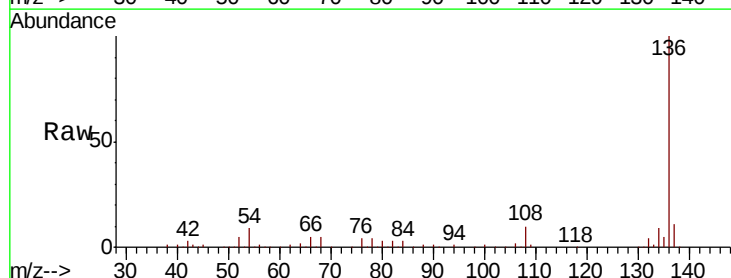
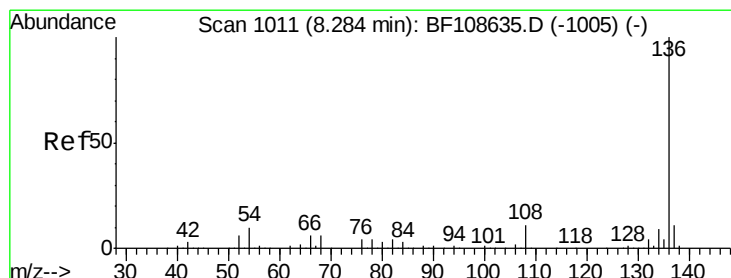
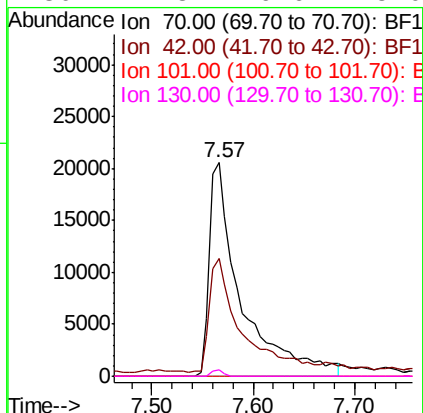




#19
n-Nitroso-di-n-propylamine
Concen: 9.340 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

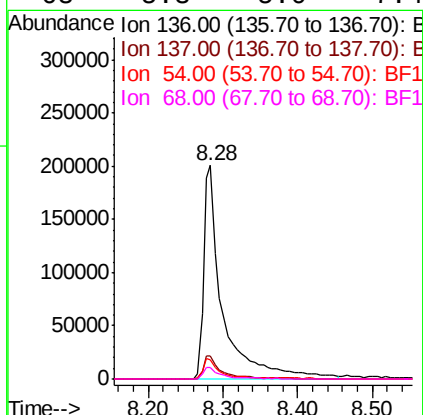
Instrument :
BNA_F
ClientSampleId :

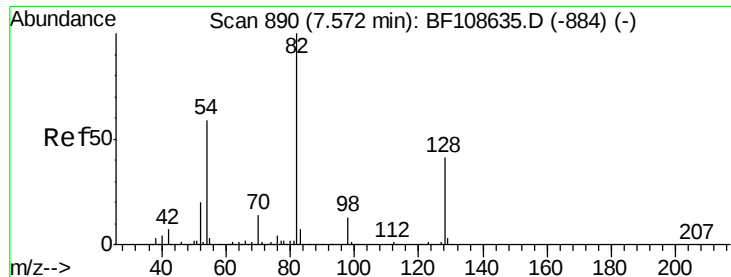
Tot Ion: 70 Resp: 44681
Ion Ratio Lower Upper
70 100
42 55.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Tgt Ion: 136 Resp: 356108
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.2 6.6 9.8
68 5.3 5.0 7.4

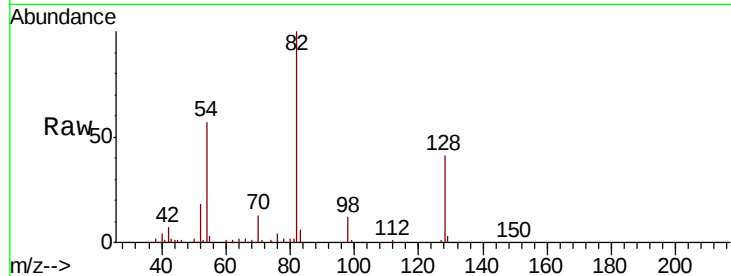




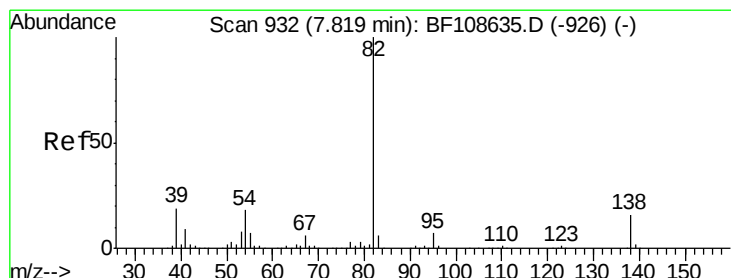
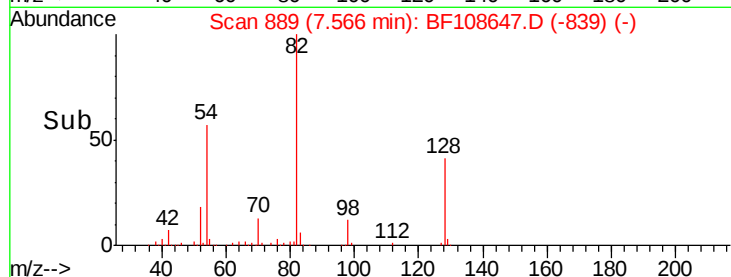
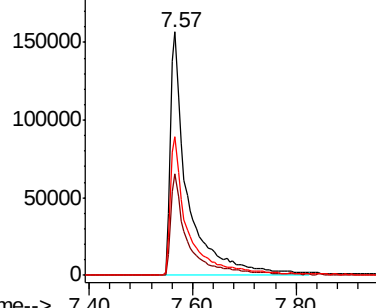
#23
Nitrobenzene-d5
Concen: 51.803 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	363433
Ion Ratio	Lower	Upper	
82	100		
128	41.5	36.1	54.1
54	57.0	41.4	62.2

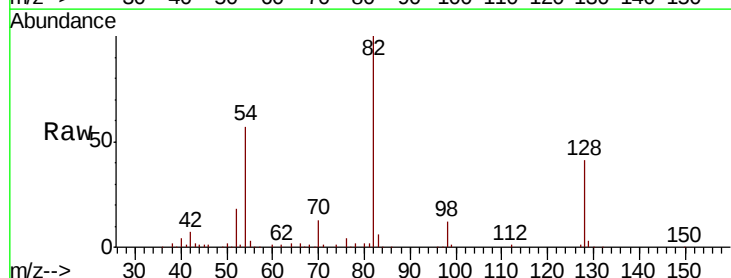


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

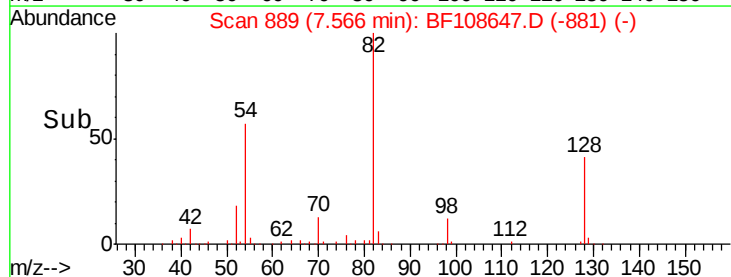
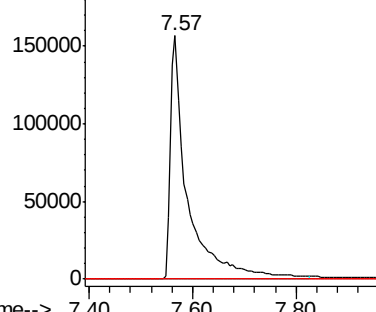


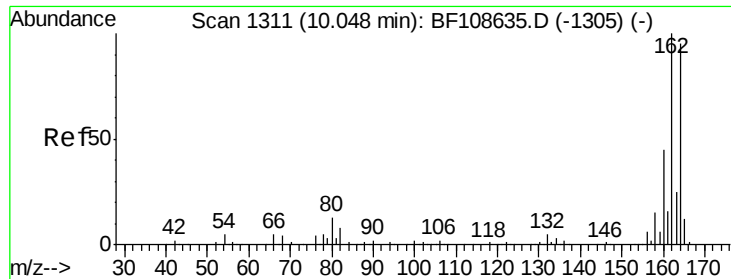
#25
Isophorone
Concen: 31.184 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.25 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Tgt Ion	82	Resp	363433
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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108647.D

Acq: 30 Aug 2018 18:28

Instrument :

BNA_F

ClientSampled :

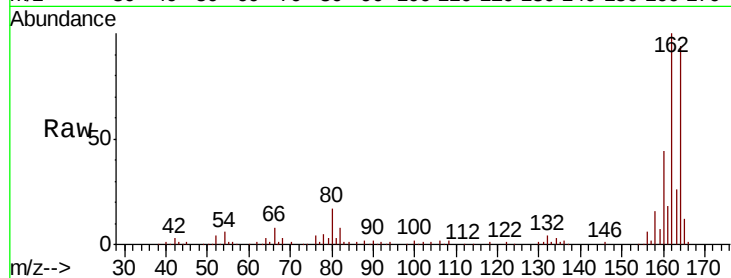
Tot Ion:164 Resp: 183622

Ion Ratio Lower Upper

164 100

162 106.6 86.1 129.1

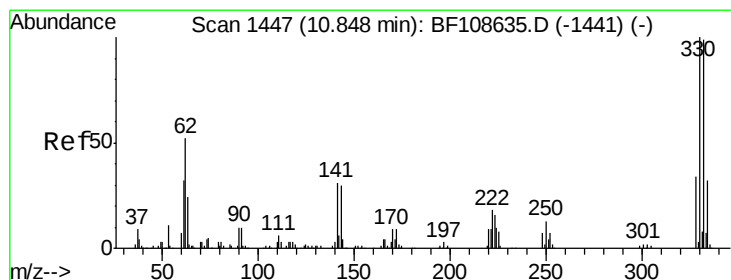
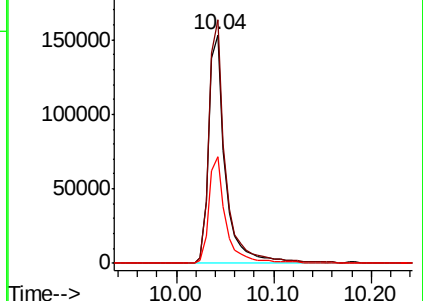
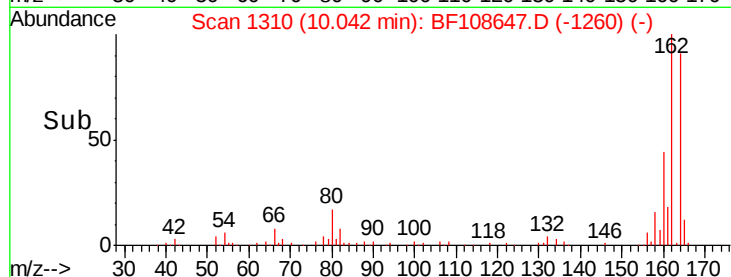
160 46.7 38.3 57.5



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: 68.457 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108647.D

Acq: 30 Aug 2018 18:28

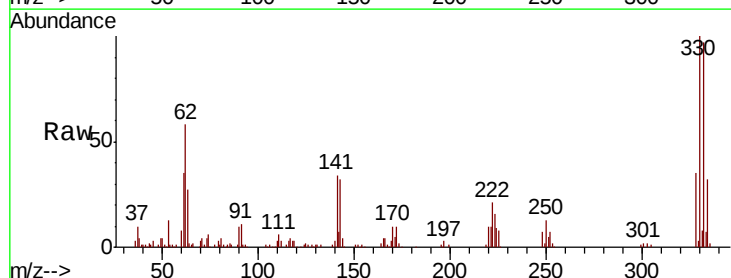
Tgt Ion:330 Resp: 165941

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

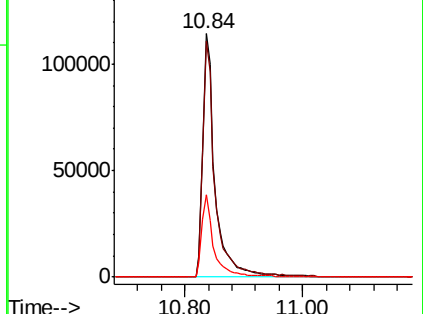
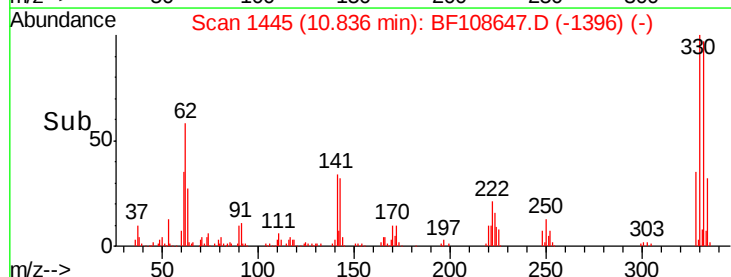
141 32.9 29.9 44.9

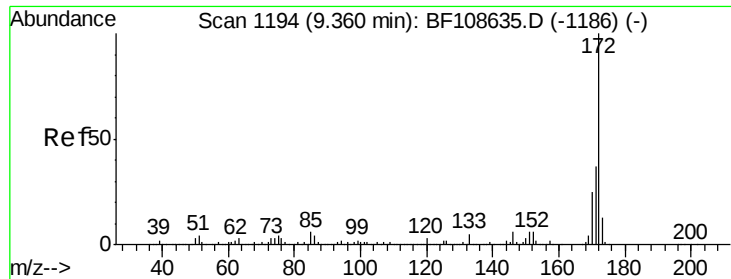


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

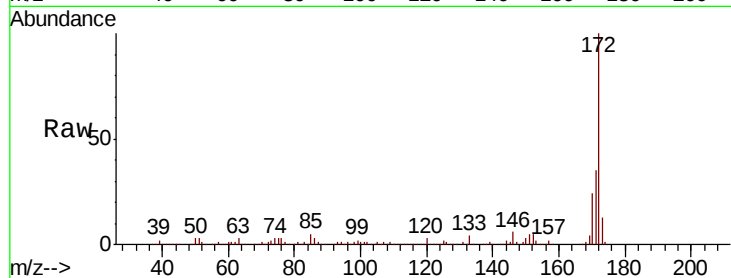




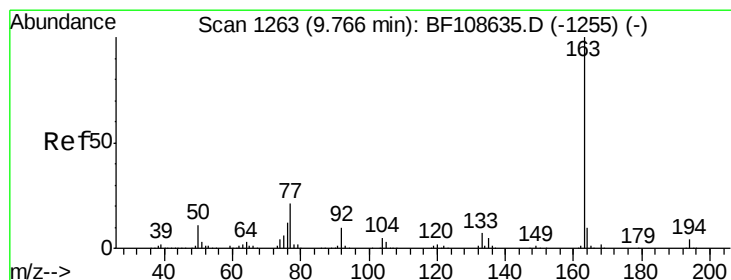
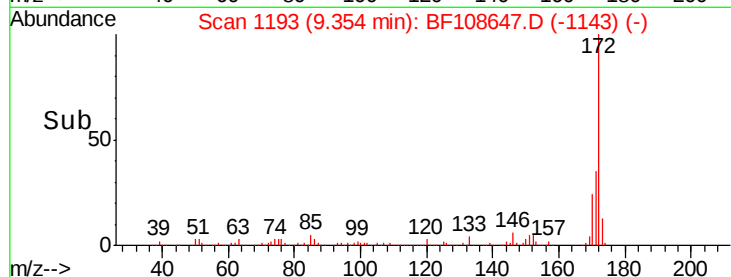
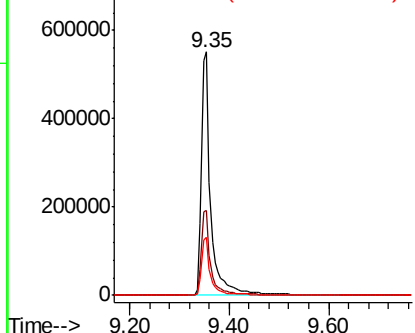
#44
2-Fluorobiphenyl
Concen: 52.641 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 718896
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 23.7 19.6 29.4

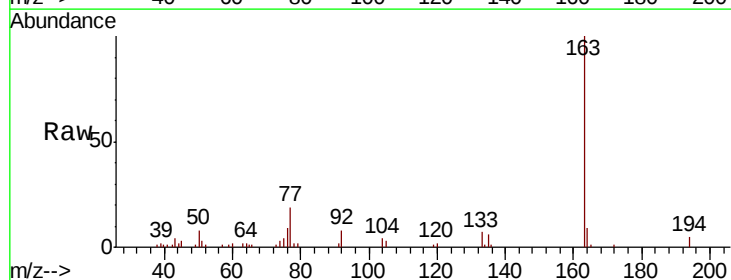


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

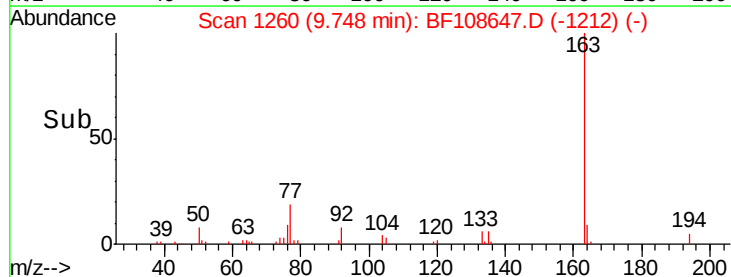
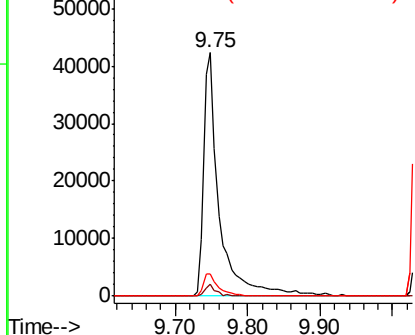


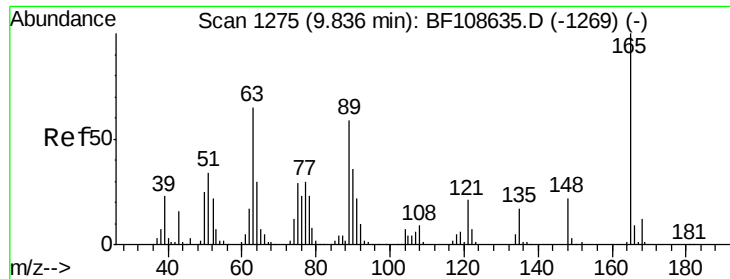
#49
Dimethylphthalate
Concen: 4.392 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Tgt Ion:163 Resp: 63500
Ion Ratio Lower Upper
163 100
194 5.0 2.7 4.1#
164 9.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

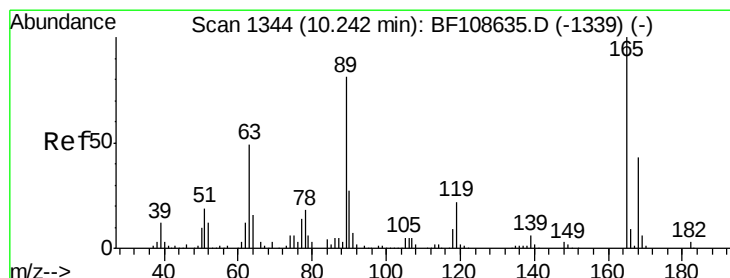
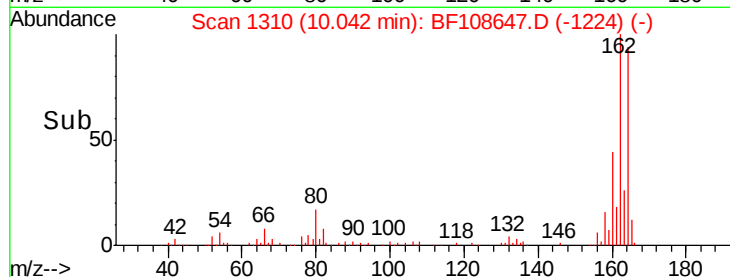
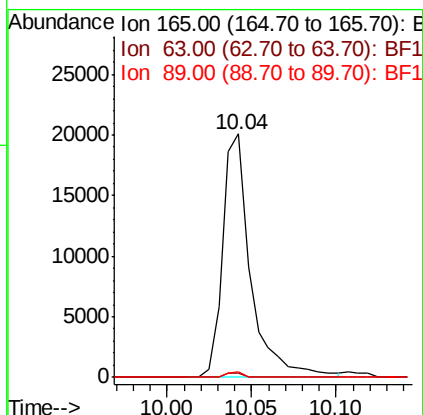
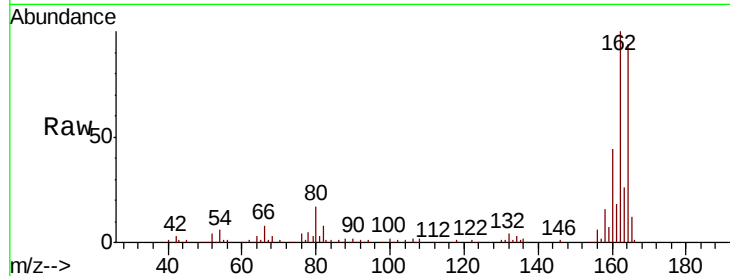




#50
 2,6-Dinitrotoluene
 Concen: 7.283 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108647.D
 Acq: 30 Aug 2018 18:28

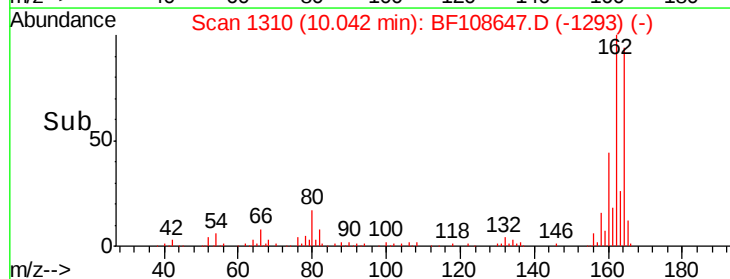
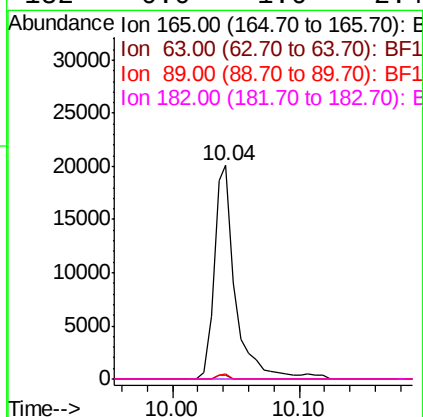
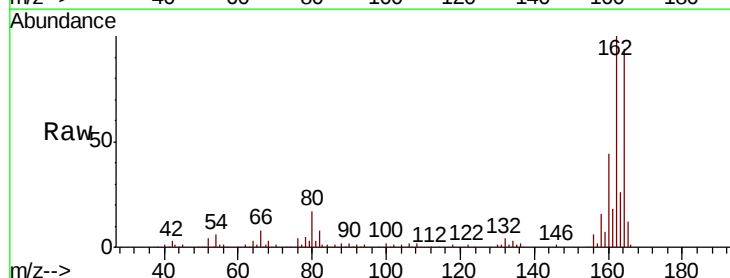
Instrument :
 BNA_F
 ClientSampleId :

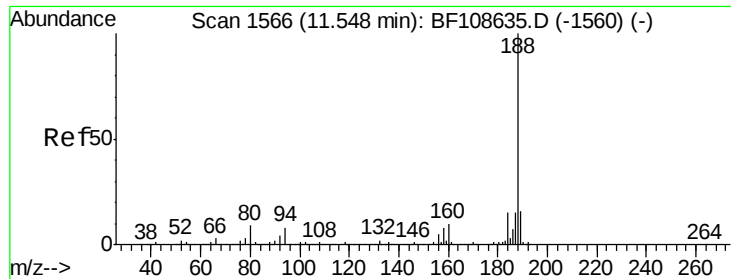
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	2.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.592 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108647.D
 Acq: 30 Aug 2018 18:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

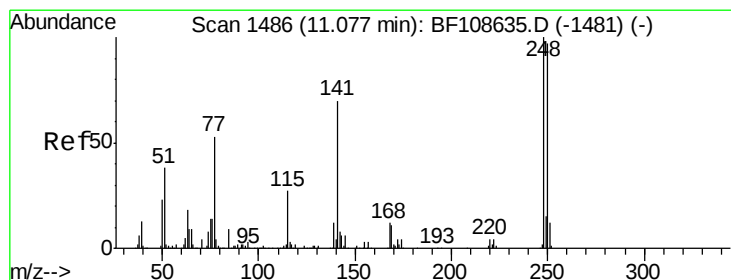
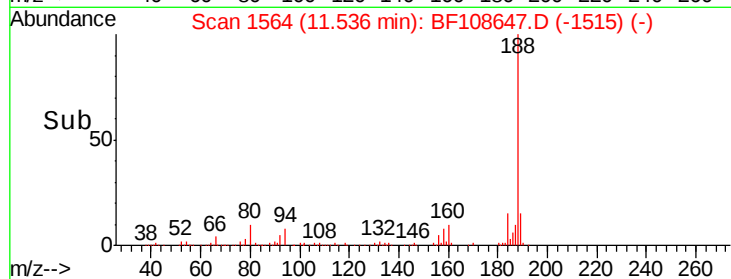
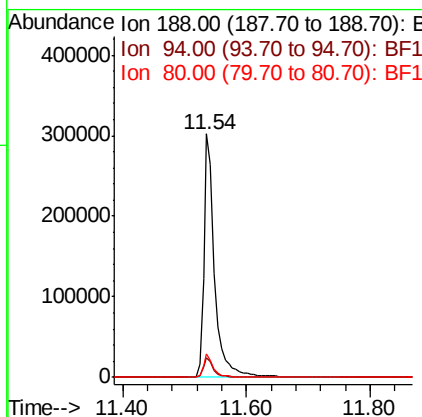
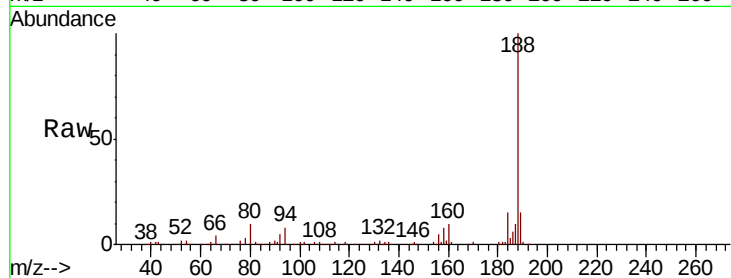




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108647.D
 Acq: 30 Aug 2018 18:28

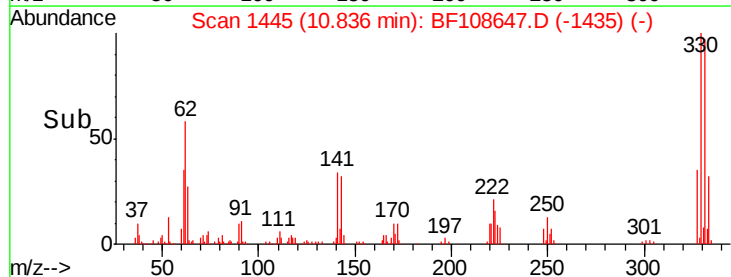
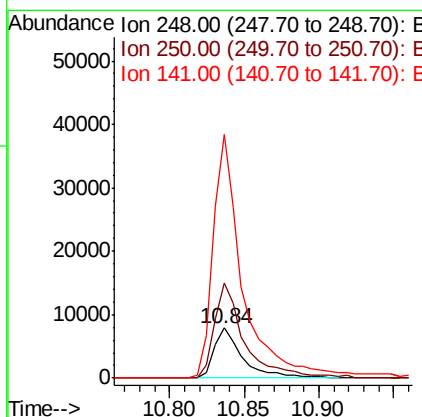
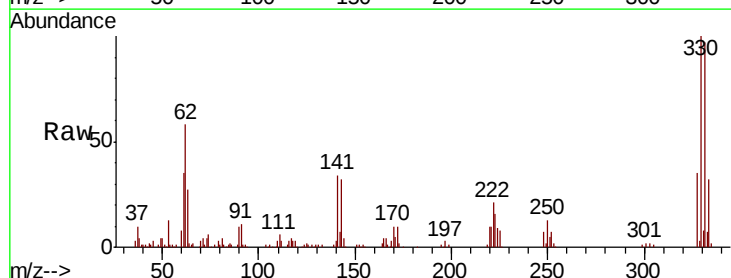
Instrument :
 BNA_F
 ClientSampleId :

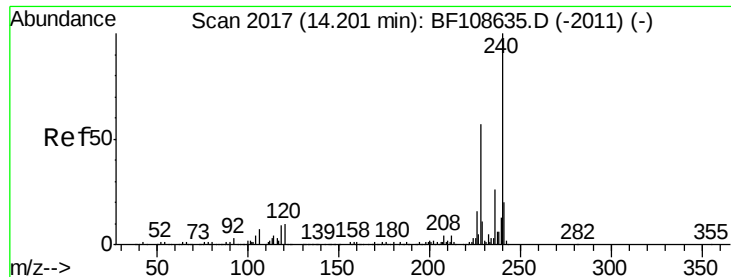
Tot Ion:188 Resp: 366688
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 9.7 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.374 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.24 min
 Lab File: BF108647.D
 Acq: 30 Aug 2018 18:28

Tgt Ion:248 Resp: 10698
 Ion Ratio Lower Upper
 248 100
 250 190.9 76.9 115.3#
 141 486.0 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108647.D

Acq: 30 Aug 2018 18:28

Instrument :

BNA_F

ClientSampleId :

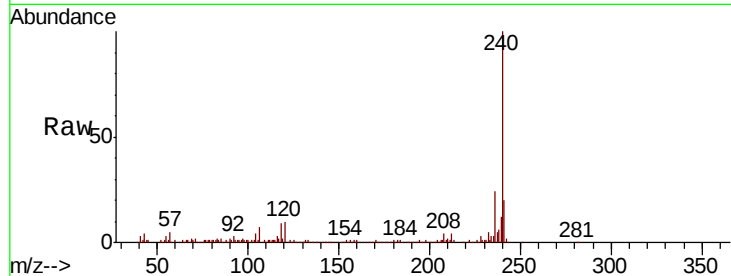
Tot Ion:240 Resp: 259930

Ion Ratio Lower Upper

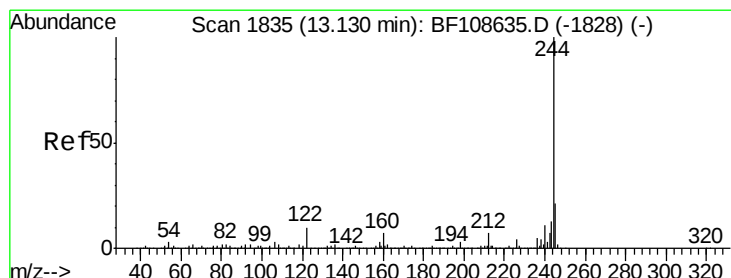
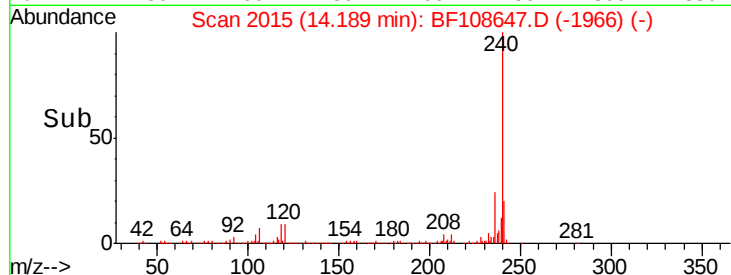
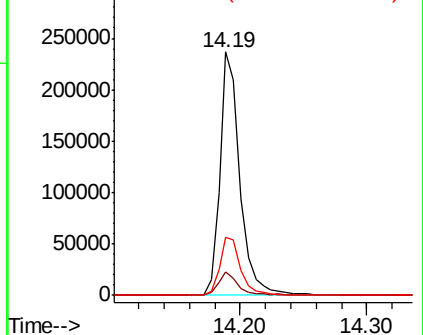
240 100

120 9.5 9.5 14.3#

236 24.1 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: 51.247 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108647.D

Acq: 30 Aug 2018 18:28

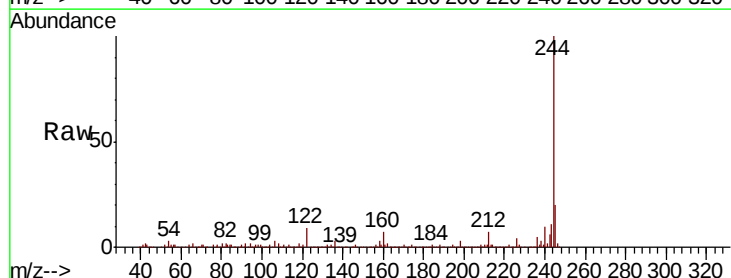
Tgt Ion:244 Resp: 685586

Ion Ratio Lower Upper

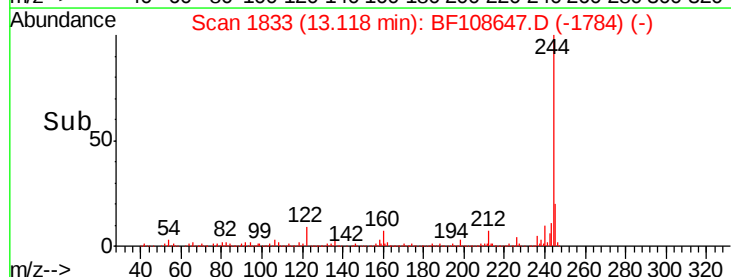
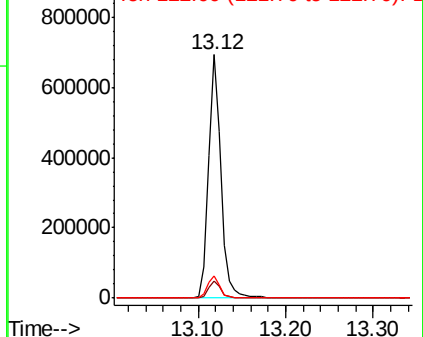
244 100

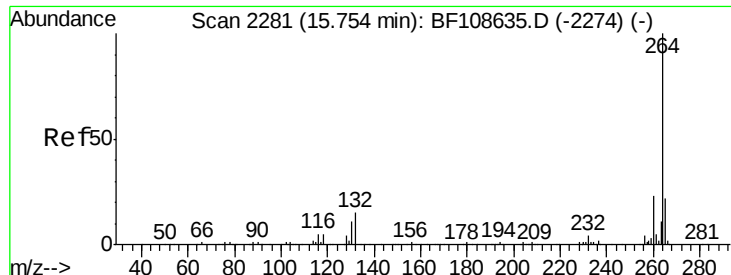
212 7.2 5.4 8.0

122 9.3 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

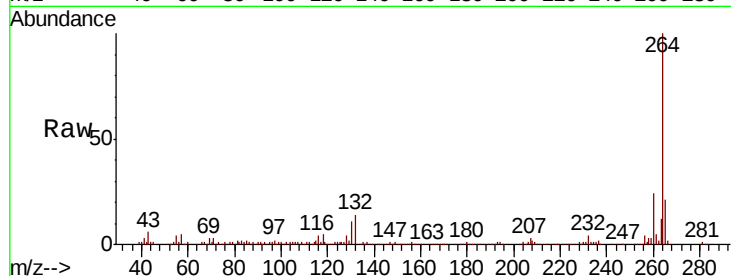




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108647.D
Acq: 30 Aug 2018 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.4	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

