

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108719.D
 Acq On : 1 Sep 2018 5:34
 Operator : JU/SJ
 Sample : J4729-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 06:36:27 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	7.01	152	62333	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	236926	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	109773	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	225109	20.00	ng	0.00
75) Chrysene-d12	14.19	240	224736	20.00	ng	0.00
86) Perylene-d12	15.75	264	159227	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	64533	17.99	ng	0.03
7) Phenol-d6	6.66	99	111524	21.70	ng	0.01
23) Nitrobenzene-d5	7.57	82	501240	107.38	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	115780	79.90	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	925532	113.37	ng	0.00
78) Terphenyl-d14	13.12	244	976957	84.46	ng	-0.01

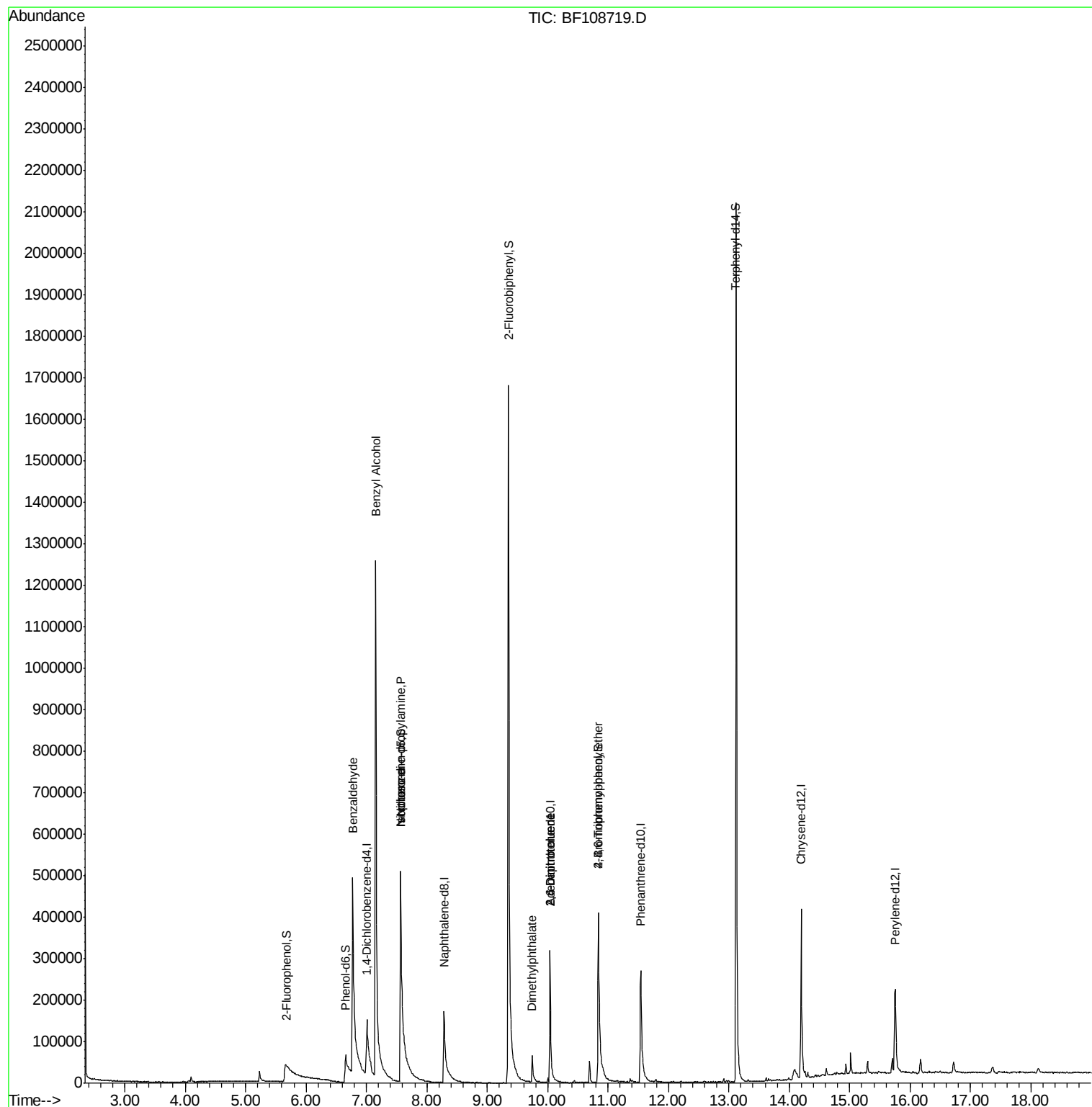
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	6670	2.100	ng	# 66
15) Benzyl Alcohol	7.15	79	8316	2.250	ng	# 41
19) n-Nitroso-di-n-propylamine	7.57	70	56660	16.464	ng	# 84
25) Isophorone	7.57	82	515963	66.543	ng	# 64
49) Dimethylphthalate	9.74	163	54931	6.355	ng	97
50) 2,6-Dinitrotoluene	10.04	165	12508	6.565	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	13382	5.304	ng	# 21
66) 4-Bromophenyl-phenylether	10.84	248	6966	2.518	ng	# 1

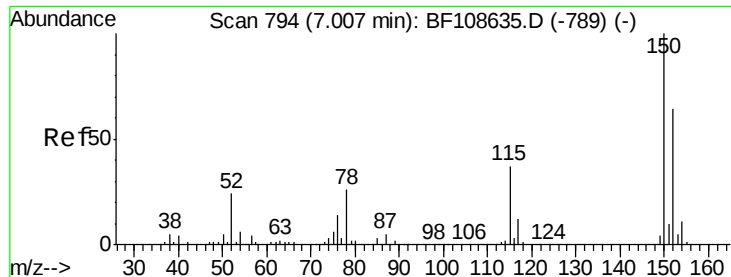
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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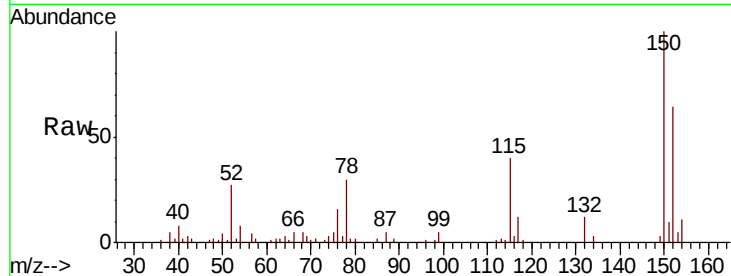


#1

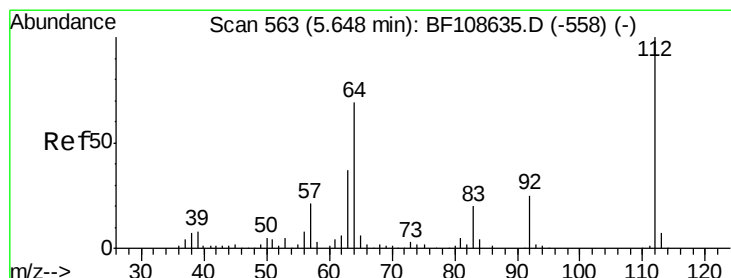
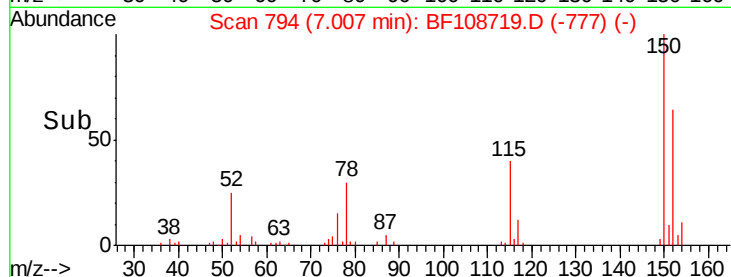
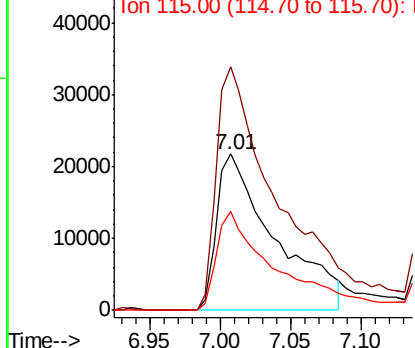
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108719.D
Acq: 1 Sep 2018 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62333
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 62.9 50.1 75.1



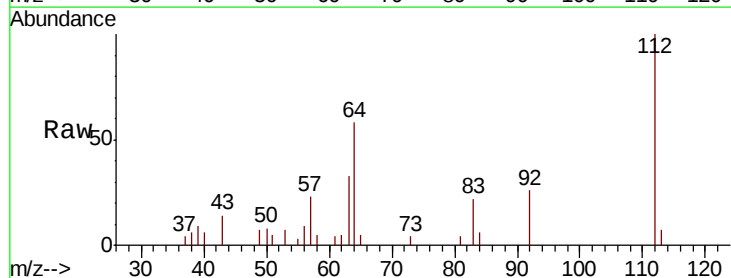
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



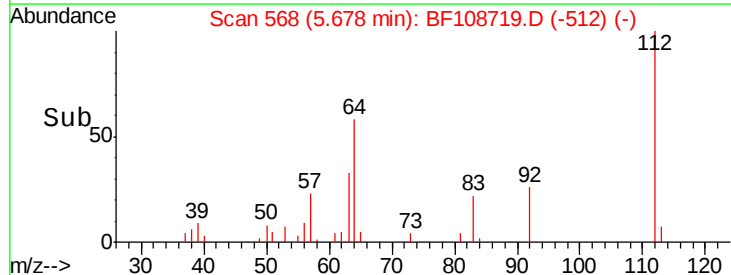
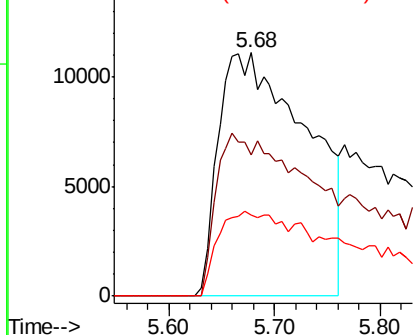
#5

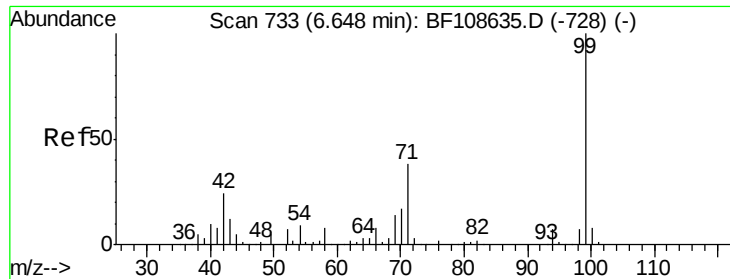
2-Fluorophenol
Concen: 17.985 ng
RT: 5.68 min Scan# 568
Delta R.T. 0.03 min
Lab File: BF108719.D
Acq: 1 Sep 2018 5:34

Tgt Ion:112 Resp: 64533
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 33.4 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: 21.701 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

Instrument :

BNA_F

ClientSampled :

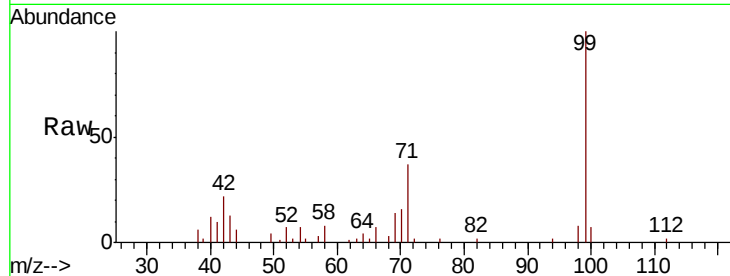
Tot Ion: 99 Resp: 111524

Ion Ratio Lower Upper

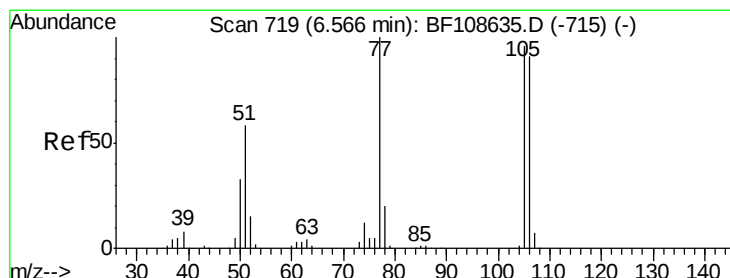
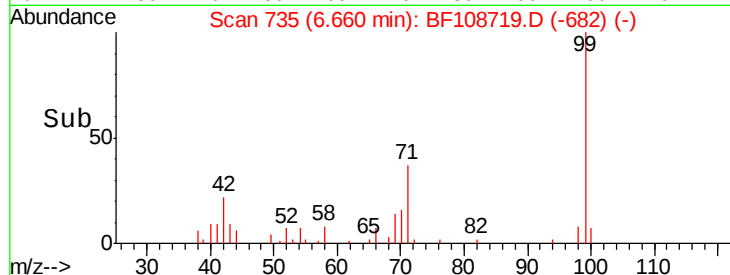
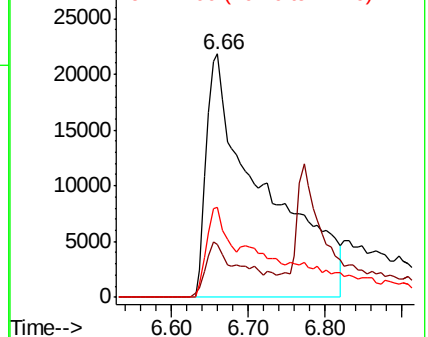
99 100

42 21.5 14.5 21.7

71 36.8 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: 2.100 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

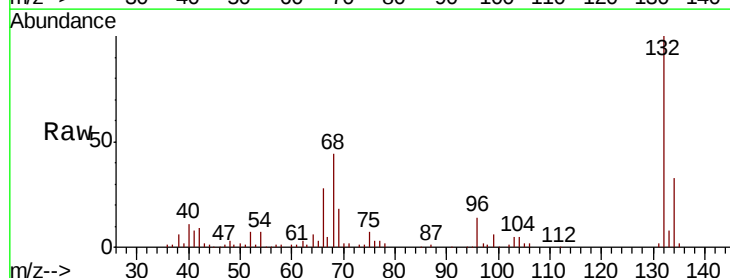
Tgt Ion: 77 Resp: 6670

Ion Ratio Lower Upper

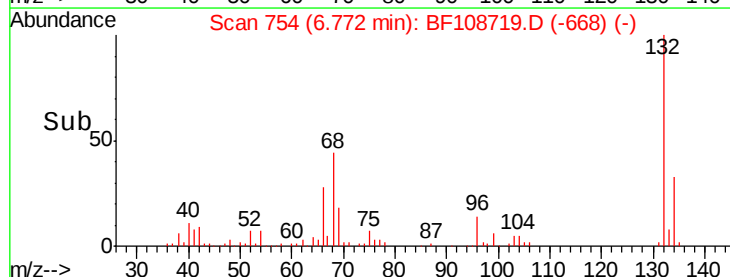
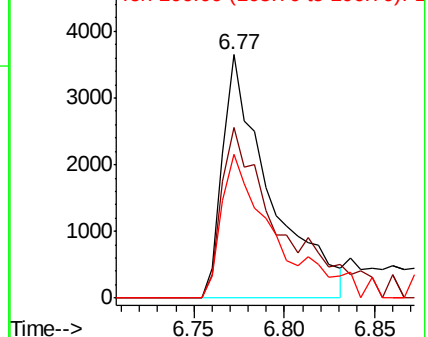
77 100

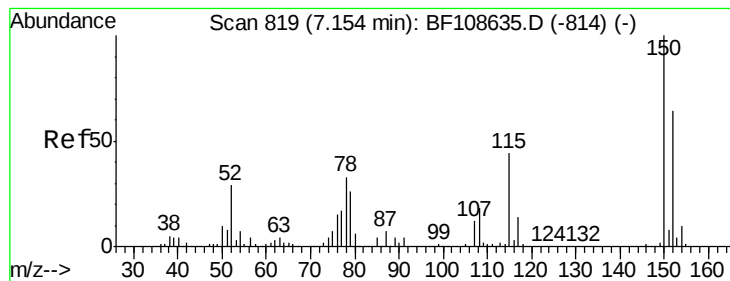
105 69.9 81.1 121.1#

106 59.0 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





#15

Benzyl Alcohol

Concen: 2.250 ng

RT: 7.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

Instrument :

BNA_F

ClientSampled :

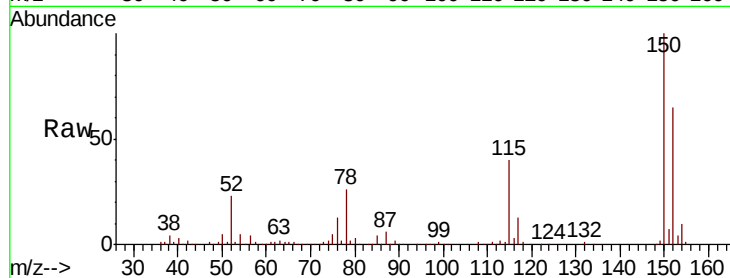
Tot Ion: 79 Resp: 8316

Ion Ratio Lower Upper

79 100

108 29.4 65.1 97.7#

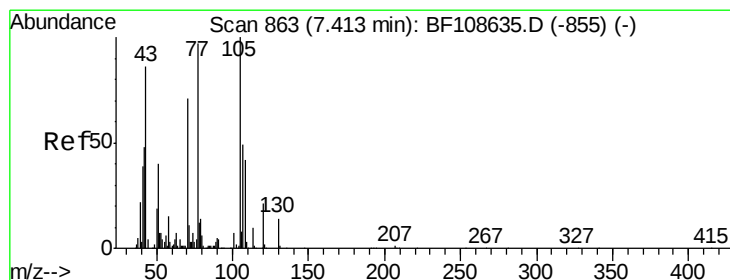
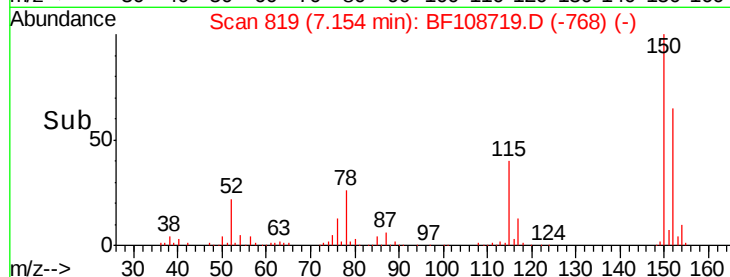
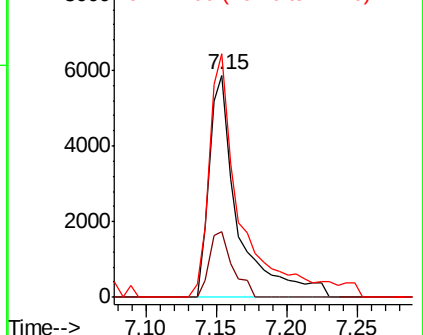
77 109.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.464 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

Tgt Ion: 70 Resp: 56660

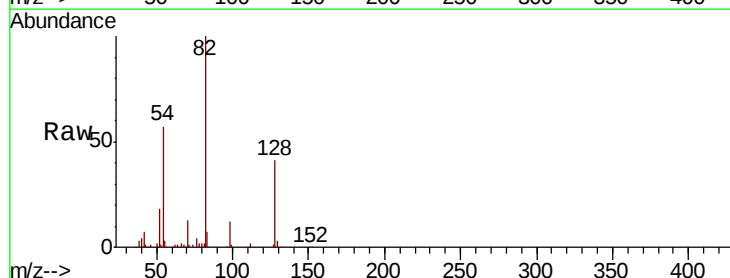
Ion Ratio Lower Upper

70 100

42 55.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

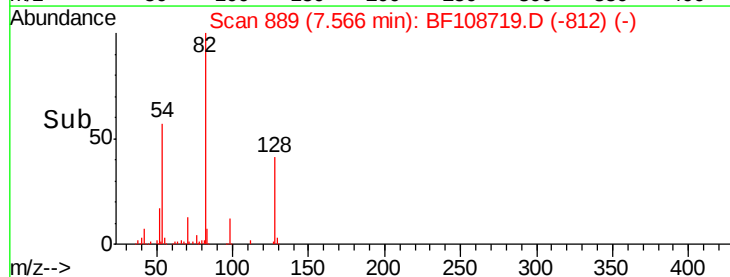
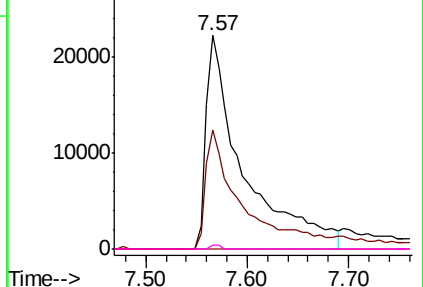


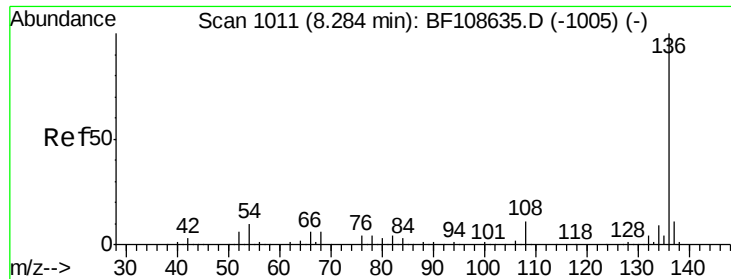
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

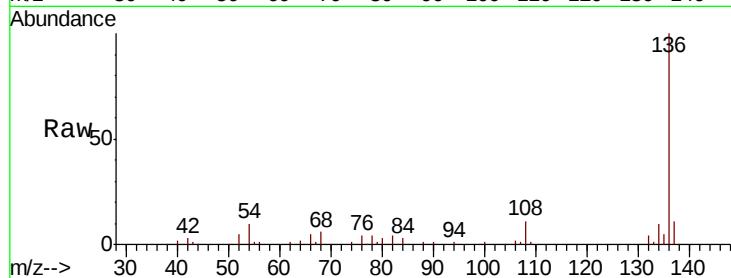




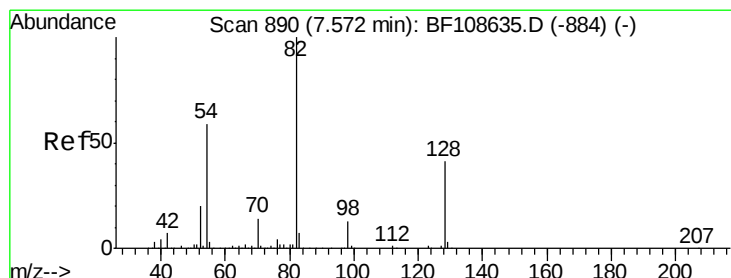
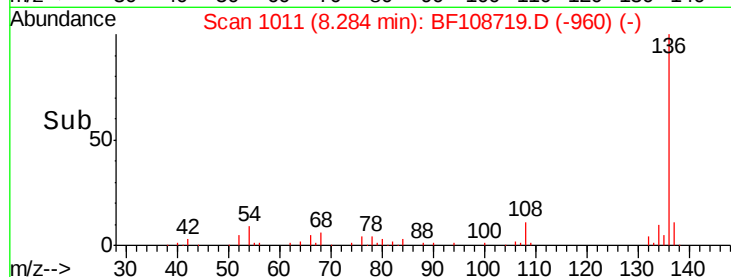
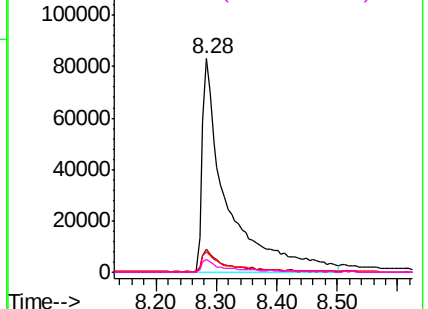
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108719.D
Acq: 1 Sep 2018 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	236926
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.6	6.6 9.8
68	6.0	5.0 7.4

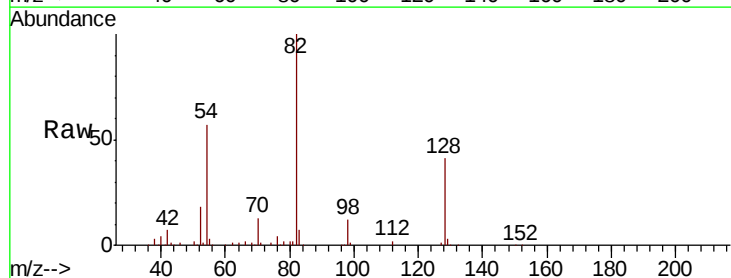


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

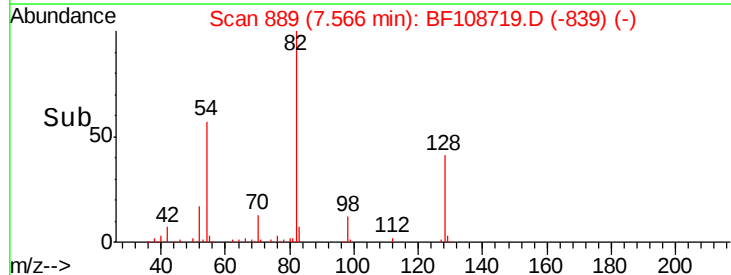
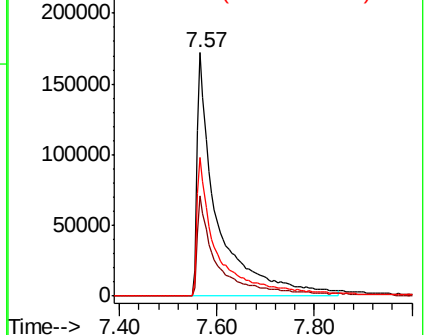


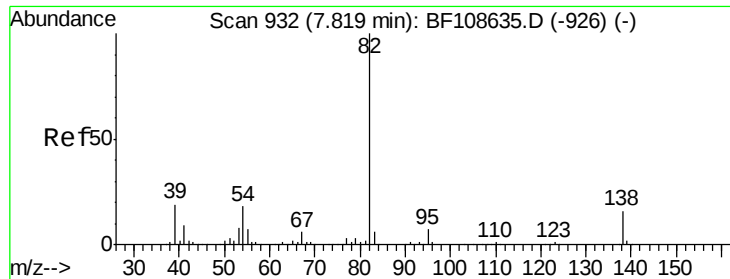
#23
Nitrobenzene-d5
Concen: 107.385 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108719.D
Acq: 1 Sep 2018 5:34

Tgt Ion: 82	Resp:	501240
Ion Ratio	Lower	Upper
82	100	
128	41.0	36.1 54.1
54	57.2	41.4 62.2



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





#25

Isophorone

Concen: 66.543 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

Instrument :

BNA_F

ClientSampleId :

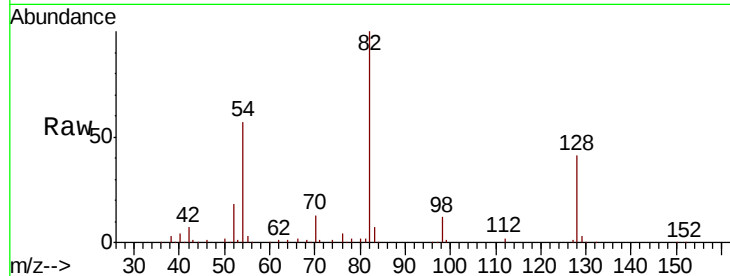
Tot Ion: 82 Resp: 515963

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

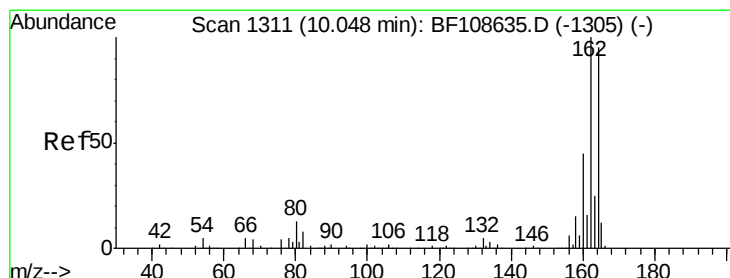
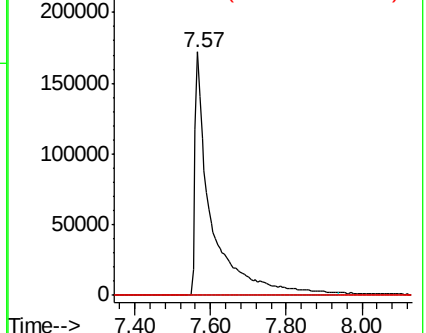
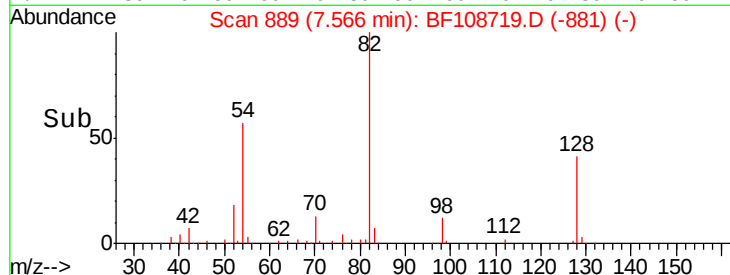
138 0.0 14.9 22.3#



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# 1309

Delta R.T. -0.01 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

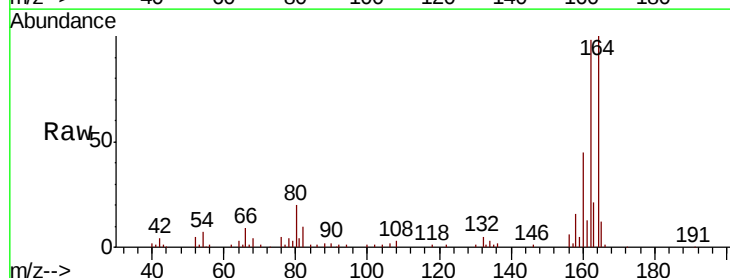
Tgt Ion: 164 Resp: 109773

Ion Ratio Lower Upper

164 100

162 98.3 86.1 129.1

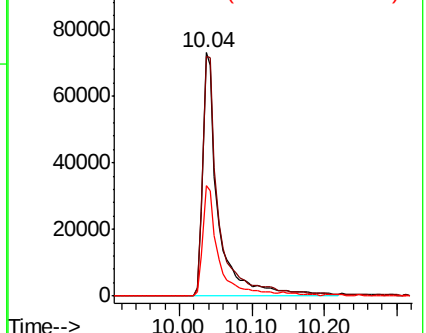
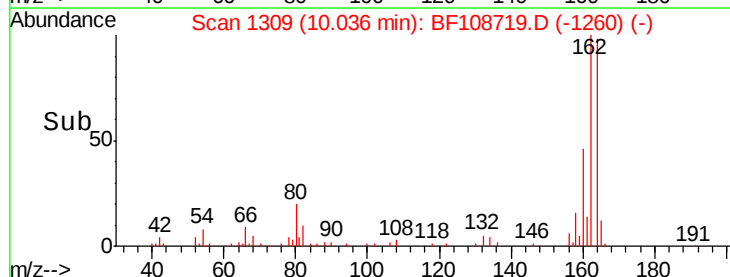
160 45.3 38.3 57.5

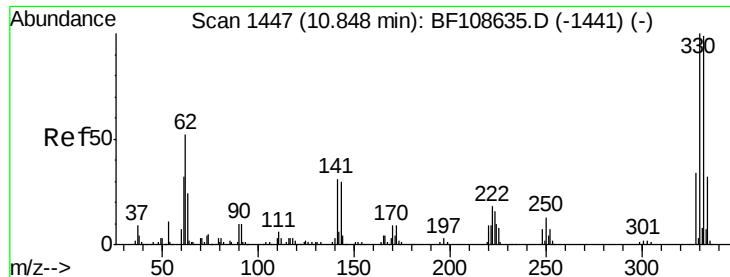


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

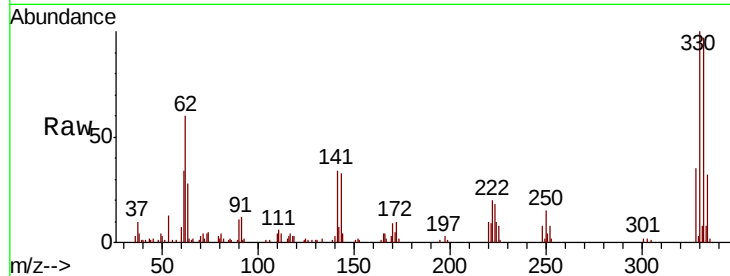




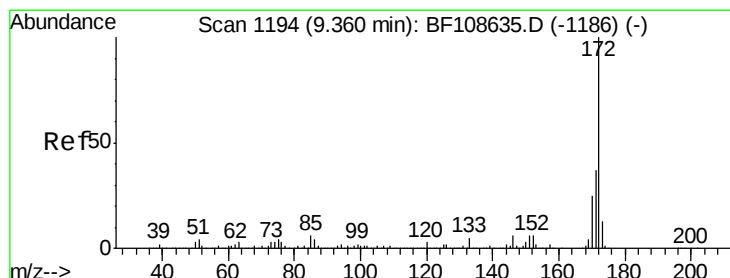
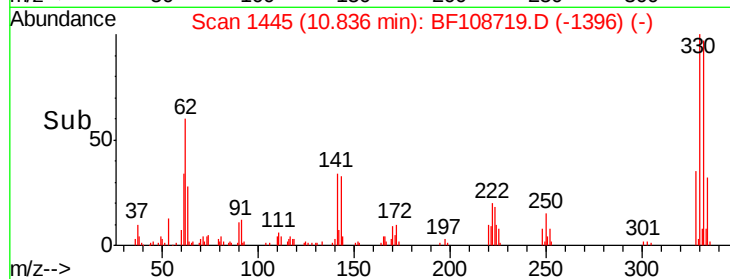
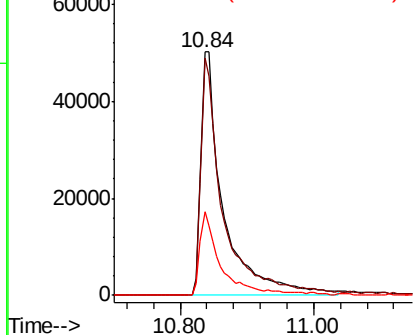
#41
 2,4,6-Tribromophenol
 Concen: 79.896 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108719.D
 Acq: 1 Sep 2018 5:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 115780
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 32.0 29.9 44.9

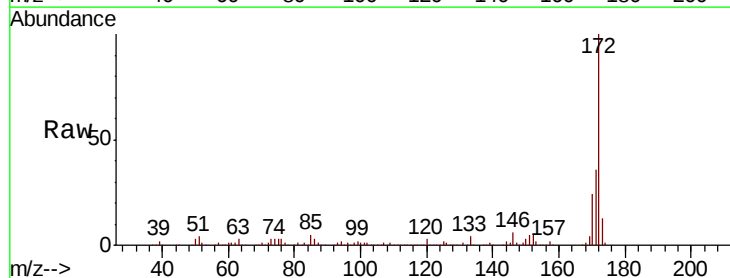


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

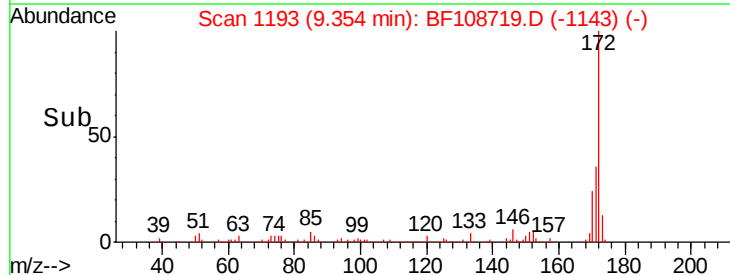
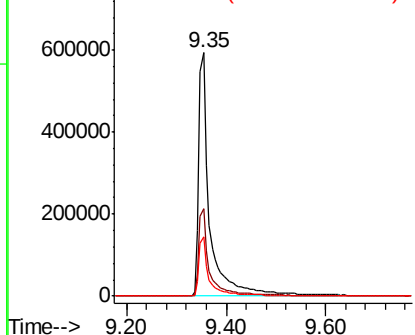


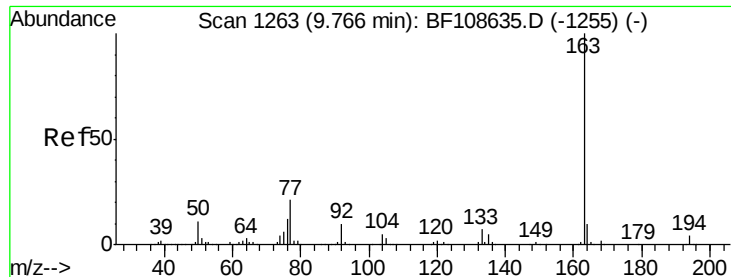
#44
 2-Fluorobiphenyl
 Concen: 113.366 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108719.D
 Acq: 1 Sep 2018 5:34

Tgt Ion:172 Resp: 925532
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.2 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

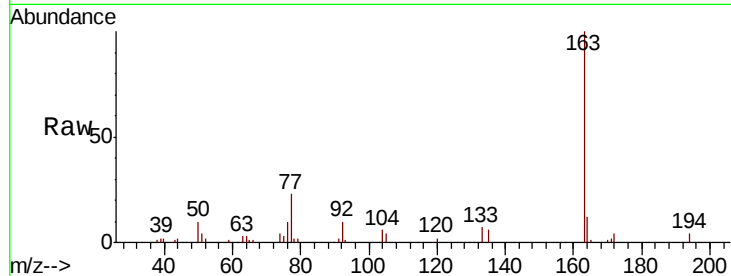




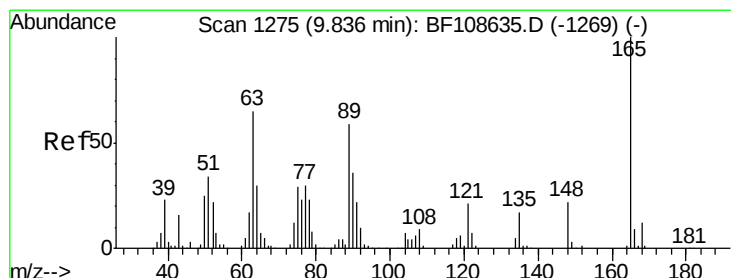
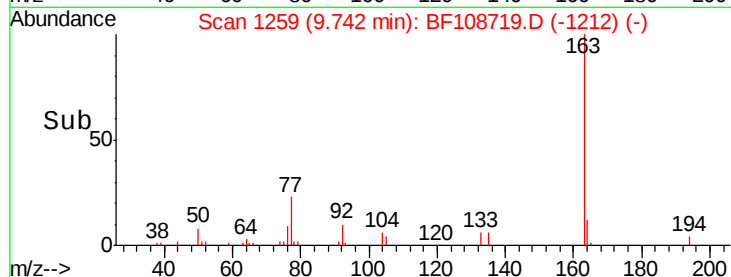
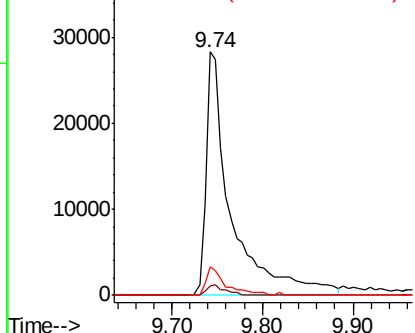
#49
Dimethylphthalate
Concen: 6.355 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108719.D
Acq: 1 Sep 2018 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 54931
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.7 8.2 12.2

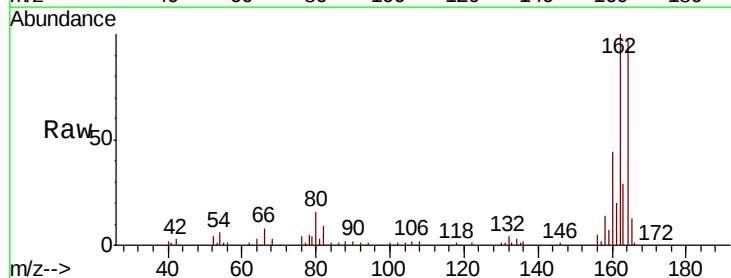


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

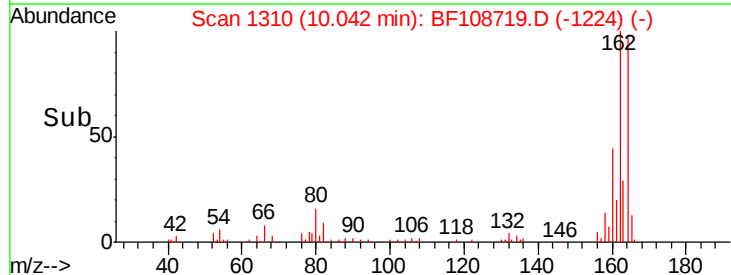
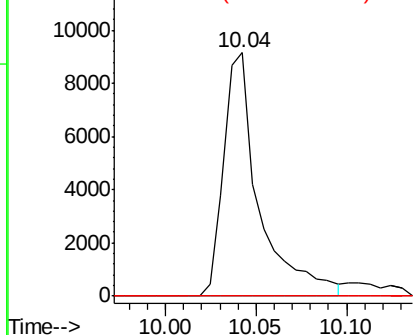


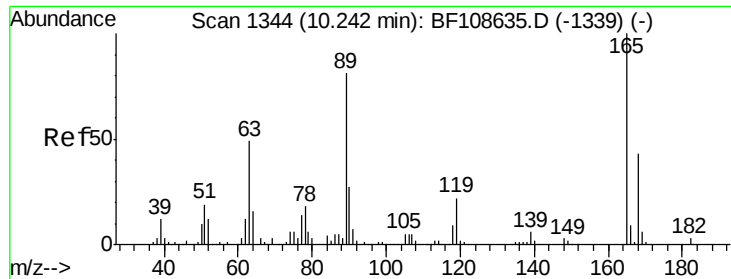
#50
2,6-Dinitrotoluene
Concen: 6.565 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108719.D
Acq: 1 Sep 2018 5:34

Tgt Ion:165 Resp: 12508
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 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

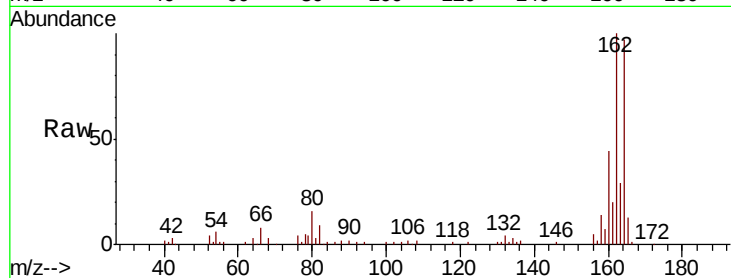




#56
 2,4-Dinitrotoluene
 Concen: 5.304 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108719.D
 Acq: 1 Sep 2018 5:34

Instrument :
 BNA_F
 ClientSampleId :

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

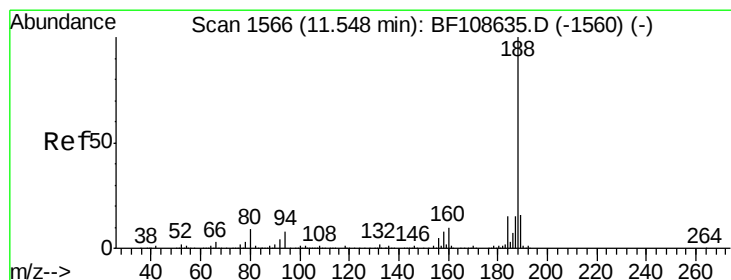
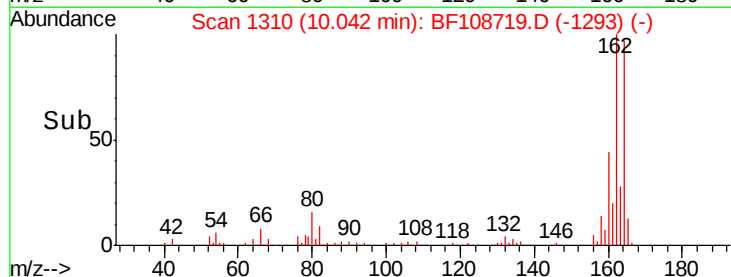
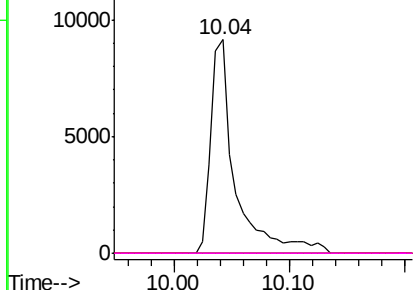


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

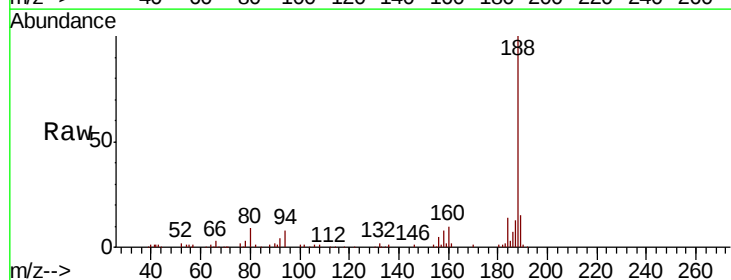
Ion 89.00 (88.70 to 89.70): BF1

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: BF108719.D
 Acq: 1 Sep 2018 5:34

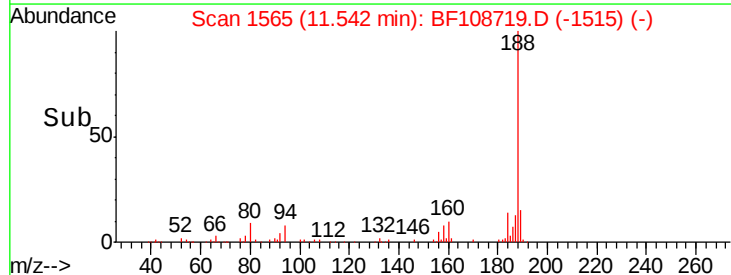
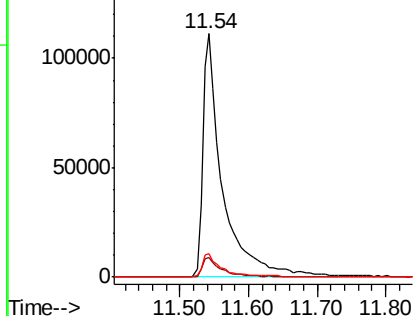
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	9.4	9.2	13.8

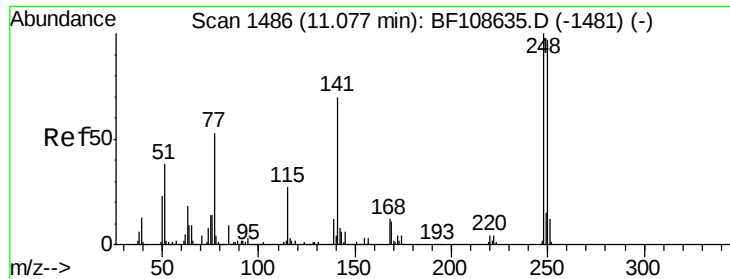


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

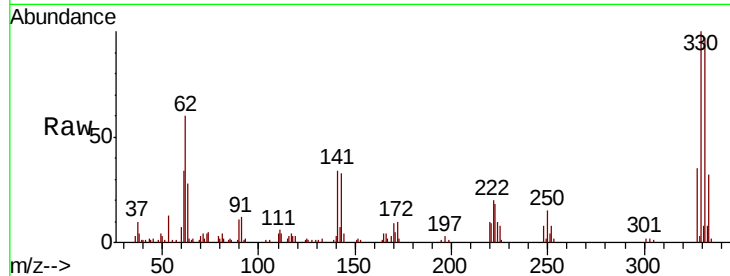




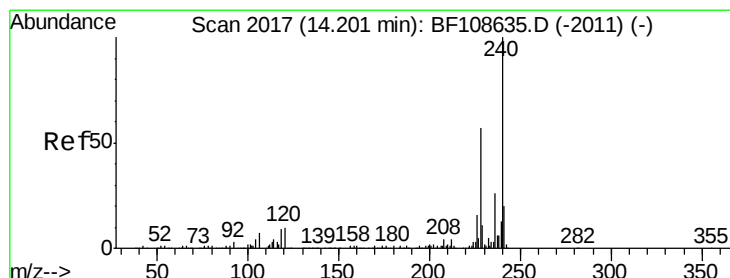
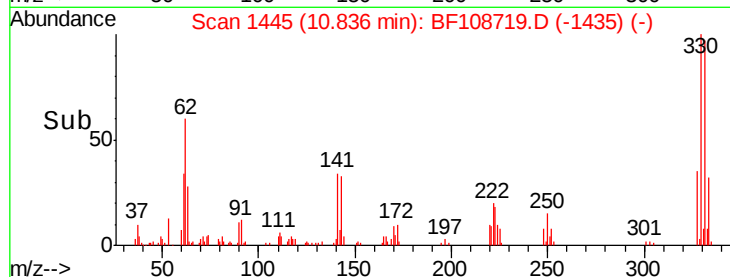
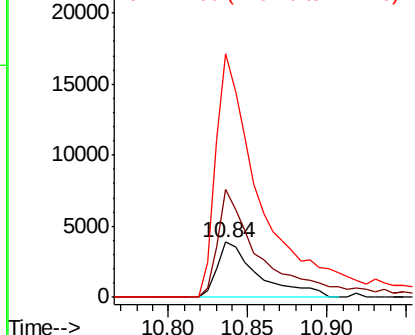
#66
 4-Bromophenyl-phenylether
 Concen: 2.518 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.24 min
 Lab File: BF108719.D
 Acq: 1 Sep 2018 5:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6966
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.9 115.3#
 141 444.0 74.4 111.6#

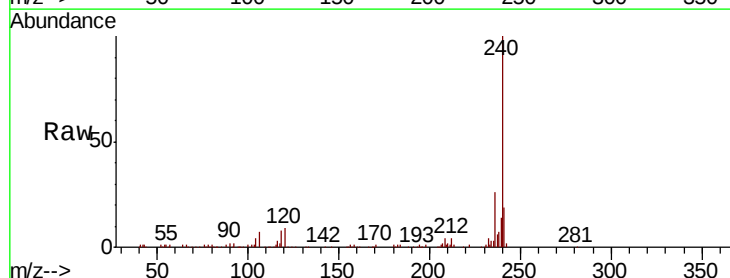


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

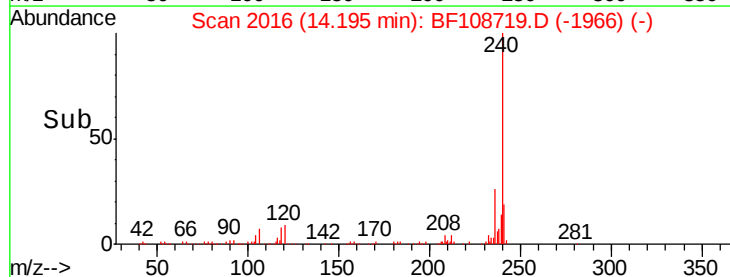
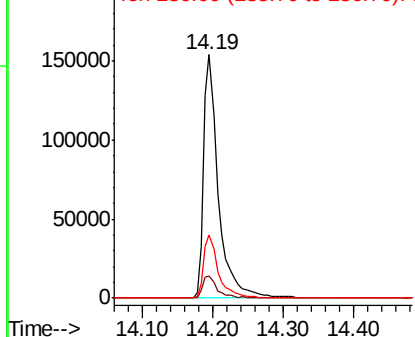


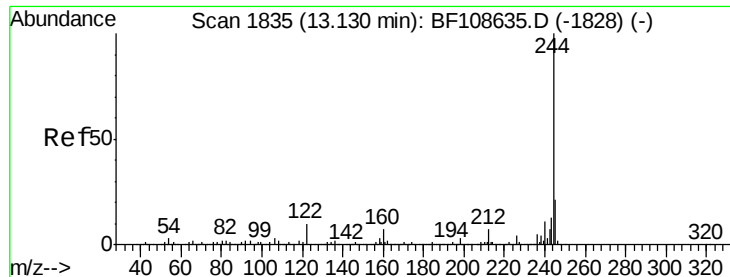
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF108719.D
 Acq: 1 Sep 2018 5:34

Tgt Ion:240 Resp: 224736
 Ion Ratio Lower Upper
 240 100
 120 9.0 9.5 14.3#
 236 26.1 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: 84.463 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

Instrument :

BNA_F

ClientSampled :

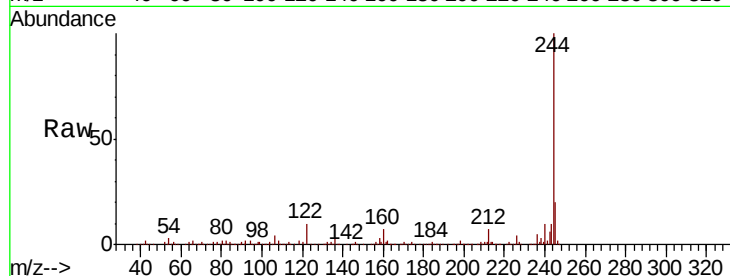
Tot Ion:244 Resp: 976957

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

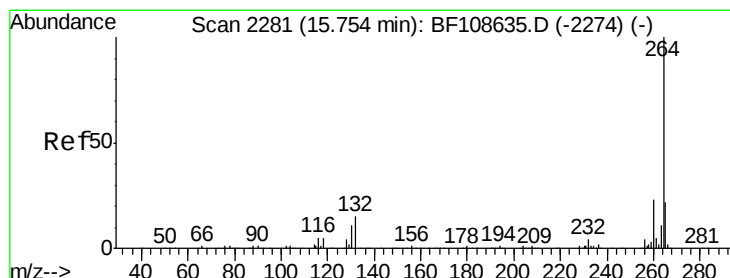
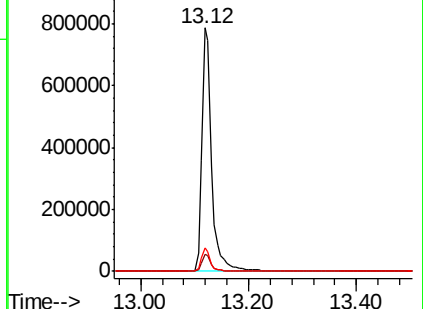
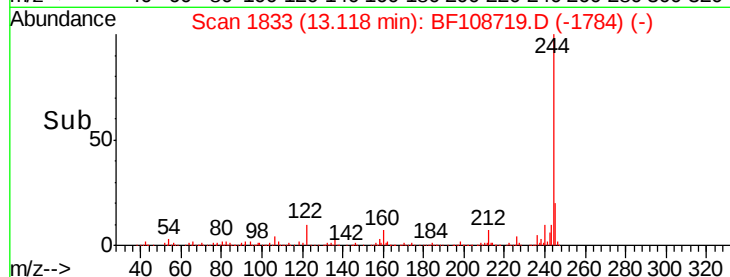
122 9.6 11.0 16.4#



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: 15.75 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF108719.D

Acq: 1 Sep 2018 5:34

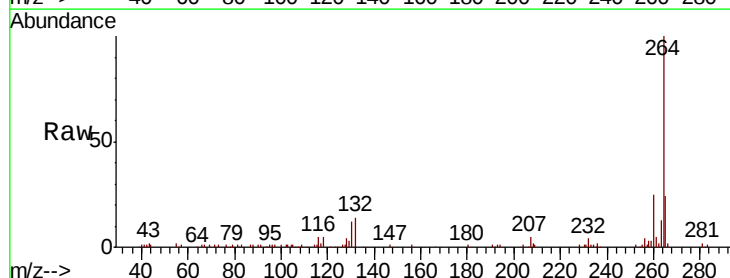
Tgt Ion:264 Resp: 159227

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 24.3 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

