

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF109998.D
 Acq On : 19 Oct 2018 13:20
 Operator : JU/SJ
 Sample : J5569-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:06:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

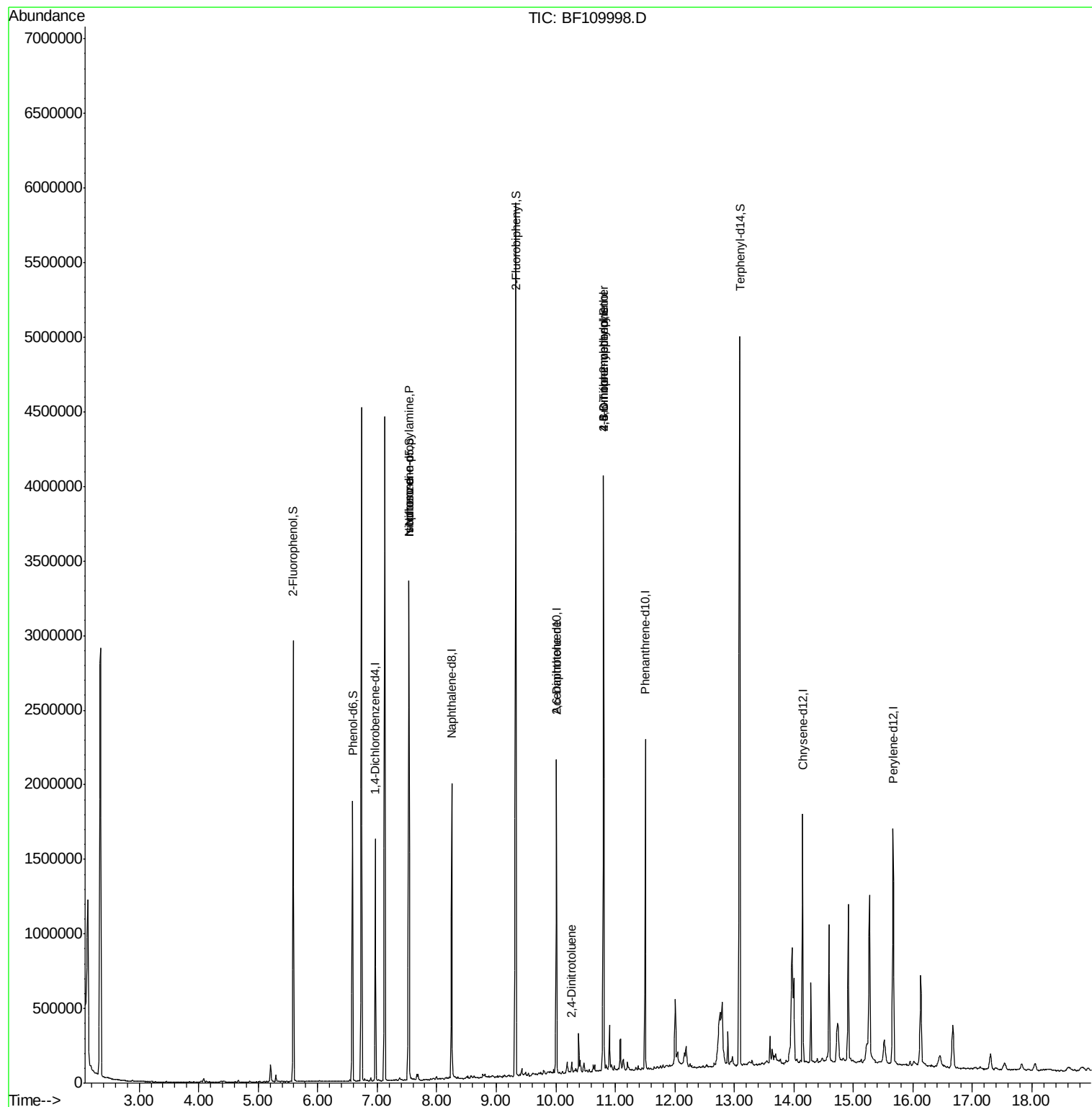
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	220722	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	870381	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	407633	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	749751	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	522227	20.00	ng	-0.02
87) Perylene-d12	15.67	264	359147	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	739799	53.13	ng	0.00
7) Phenol-d6	6.59	99	587736	33.99	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1185159	91.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	442388	125.35	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	2040497	79.87	ng	-0.01
79) Terphenyl-d14	13.09	244	1804224	72.55	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	158809	14.305	ng	# 81
25) Isophorone	7.53	82	1181513	46.539	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	53456	9.751	ng	# 23
57) 2,4-Dinitrotoluene	10.27	165	3098	4.988	ng	# 42
65) 4,6-Dinitro-2-methylphenol	10.80	198	1320	8.310	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	29219	3.596	ng	# 1

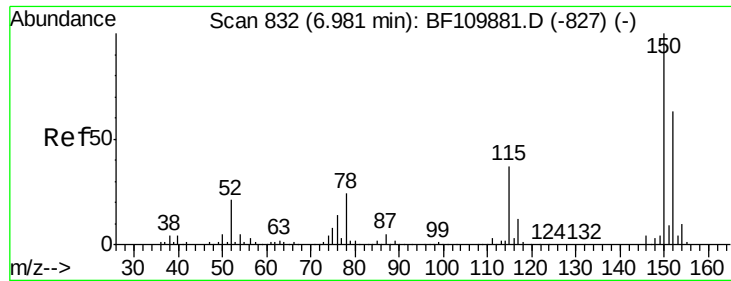
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 20 00:06:00 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



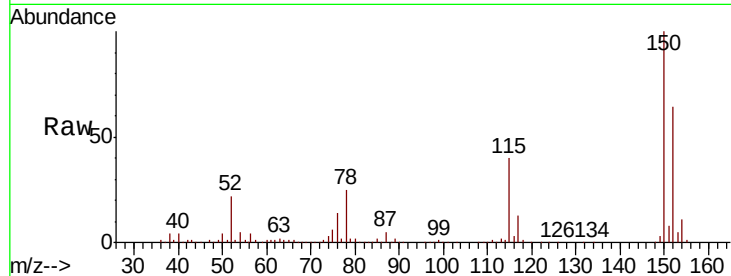


#1

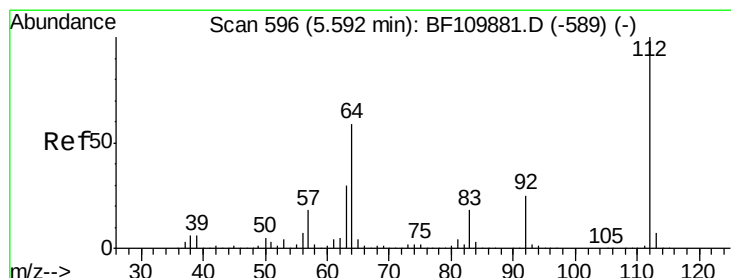
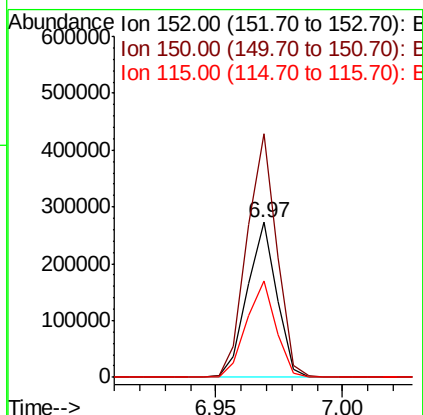
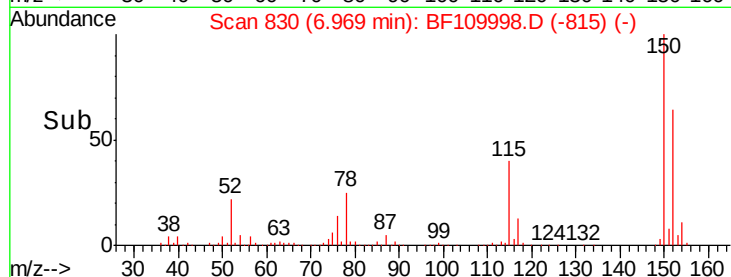
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF109998.D
Acq: 19 Oct 2018 13:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 220722
Ion Ratio Lower Upper
152 100
150 157.0 122.7 184.1
115 62.2 49.1 73.7



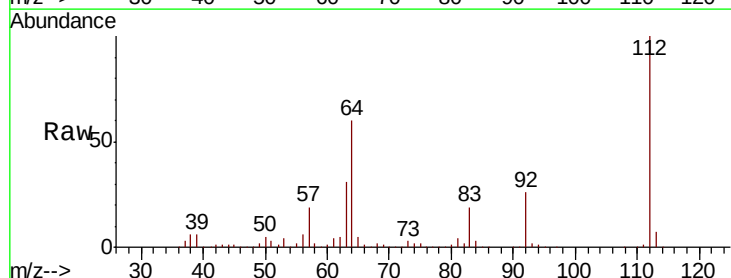
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



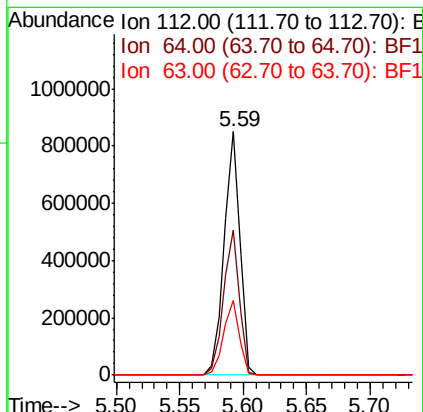
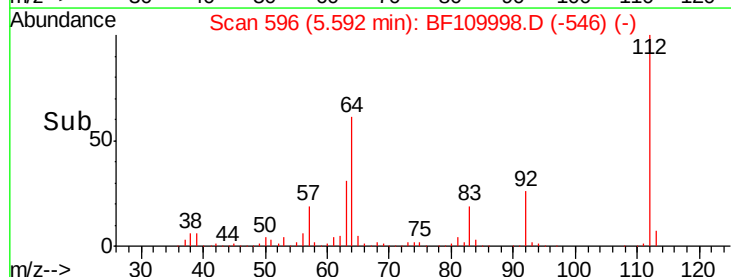
#5

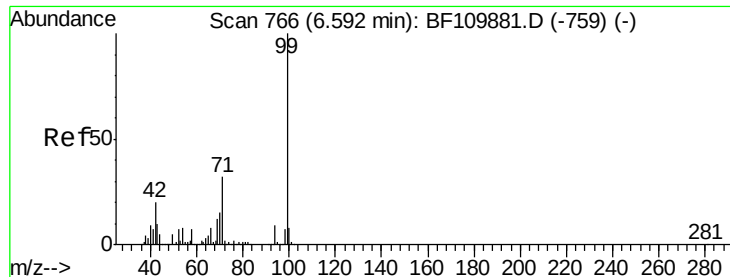
2-Fluorophenol
Concen: 53.129 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF109998.D
Acq: 19 Oct 2018 13:20

Tgt Ion:112 Resp: 739799
Ion Ratio Lower Upper
112 100
64 59.8 44.1 66.1
63 30.9 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: 33.992 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

Instrument :

BNA_F

ClientSampleId :

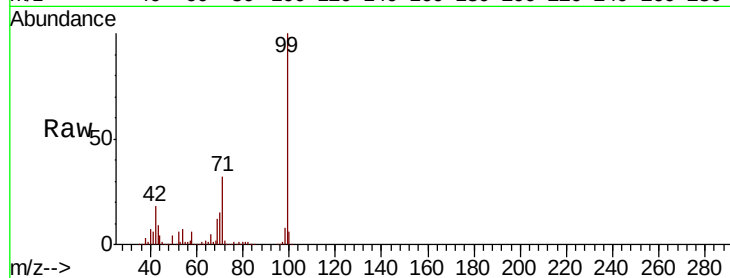
Tot Ion: 99 Resp: 587736

Ion Ratio Lower Upper

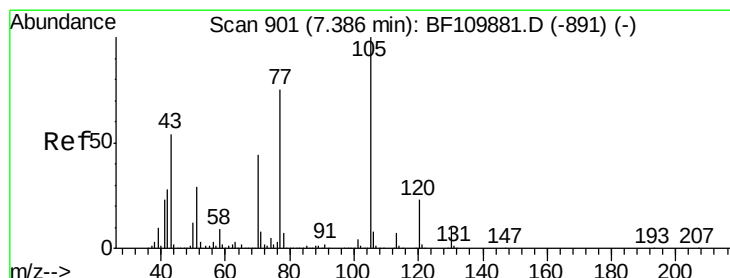
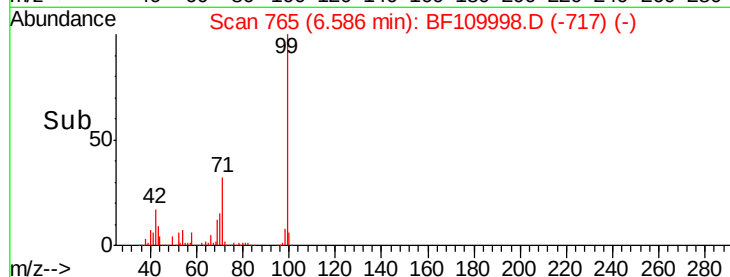
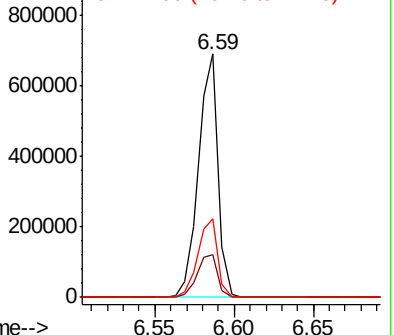
99 100

42 17.6 15.8 23.6

71 32.3 28.0 42.0



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: 14.305 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

Tgt Ion: 70 Resp: 158809

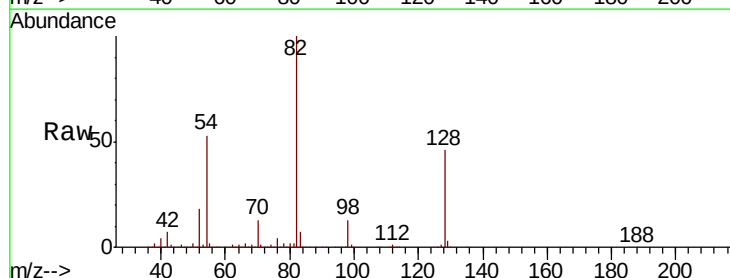
Ion Ratio Lower Upper

70 100

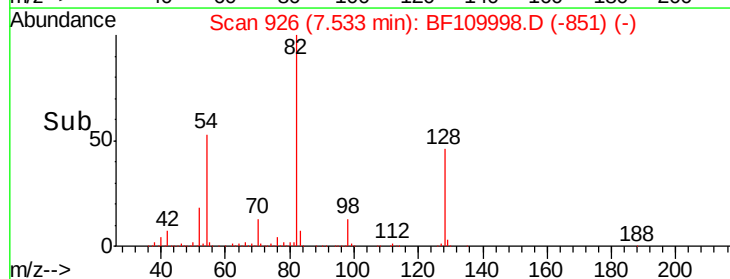
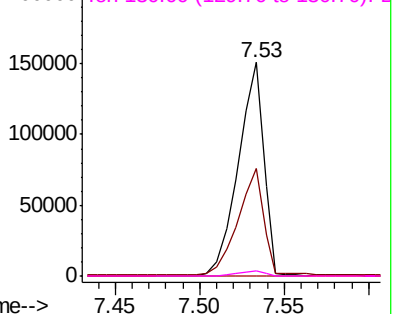
42 50.6 47.4 71.2

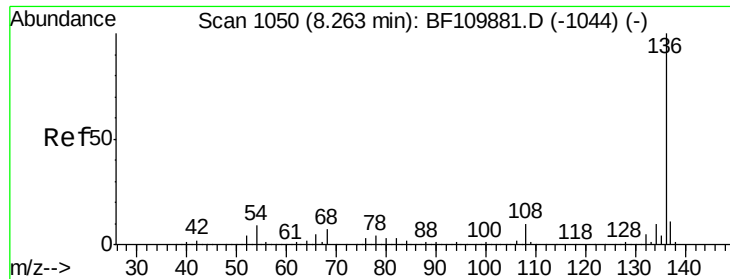
101 0.0 7.3 10.9#

130 2.2 16.2 24.2#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF109998.D

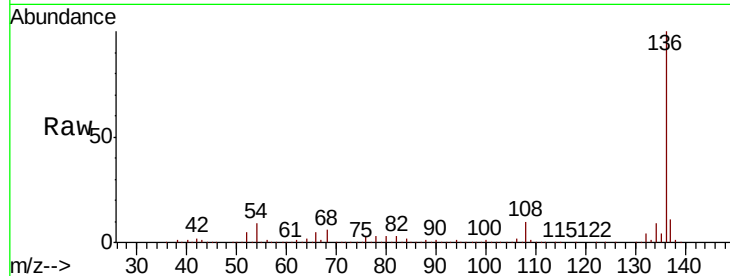
Acq: 19 Oct 2018 13:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	870381
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.8 13.2
54	8.7	5.4 8.2#
68	6.1	4.2 6.2

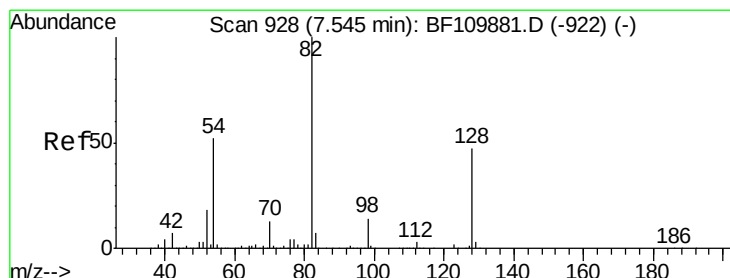
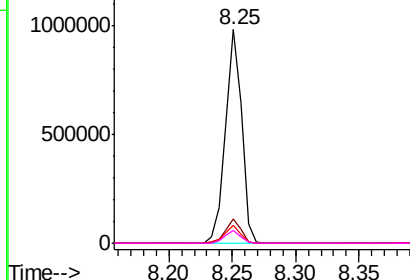
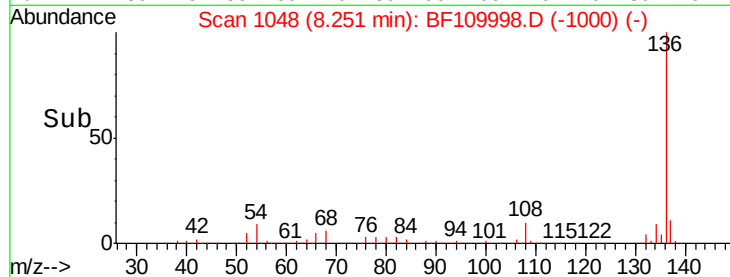


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.726 ng

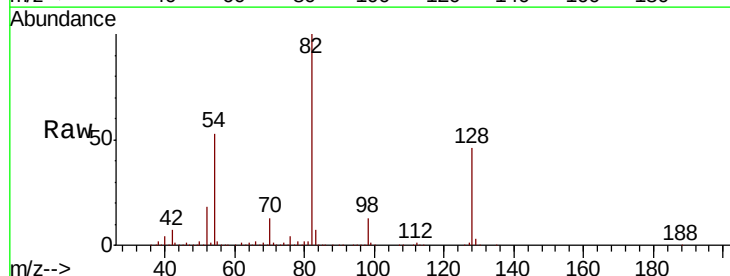
RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

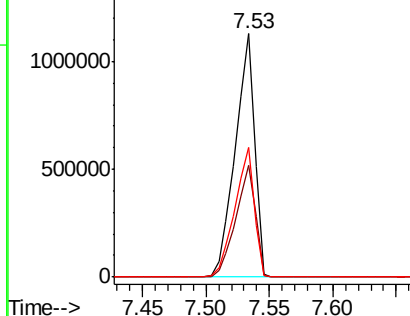
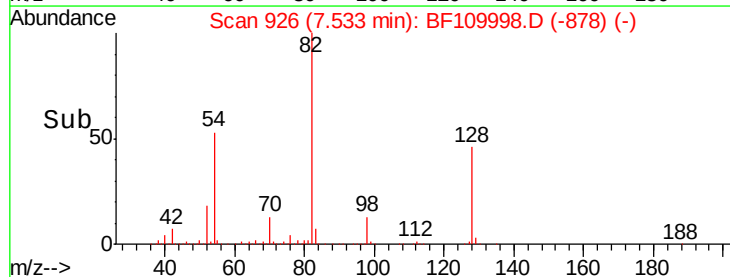
Tgt Ion: 82	Resp: 1185159
Ion Ratio	Lower Upper
82	100
128	45.8 34.2 51.2
54	53.3 38.6 58.0

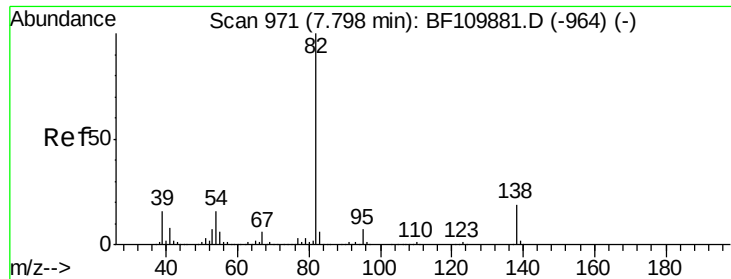


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.539 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

Instrument :

BNA_F

ClientSampleId :

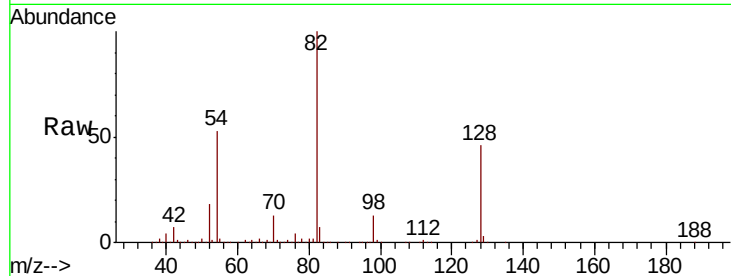
Tot Ion: 82 Resp: 1181513

Ion Ratio Lower Upper

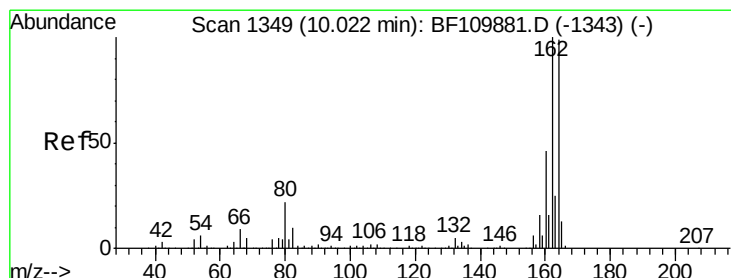
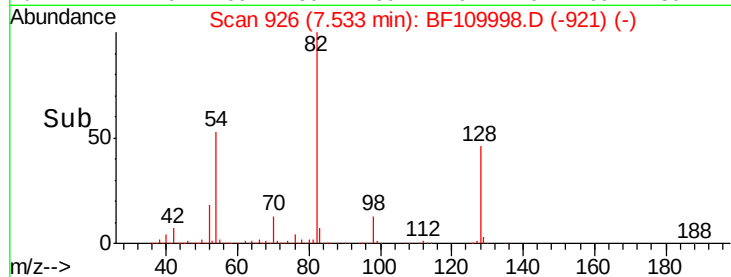
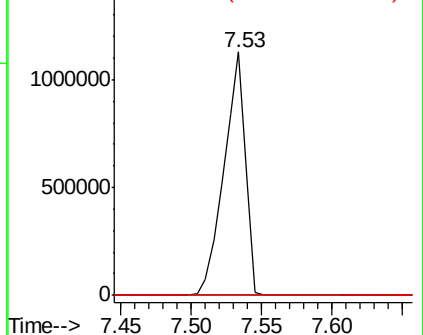
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

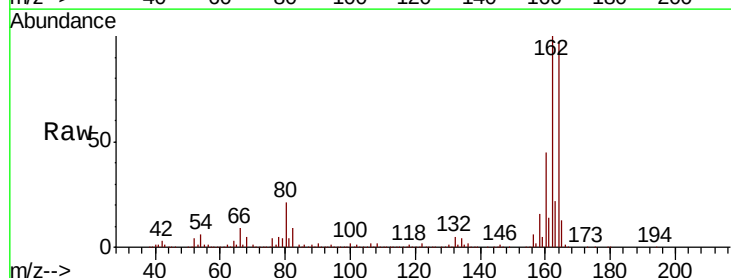
Tgt Ion:164 Resp: 407633

Ion Ratio Lower Upper

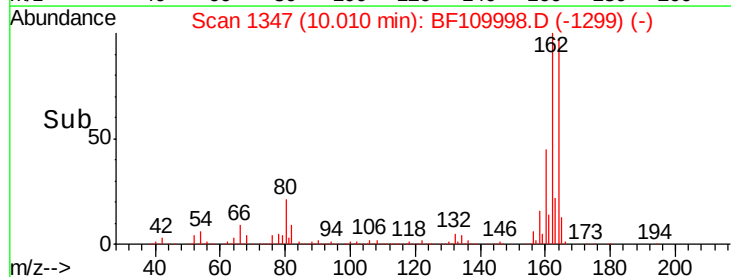
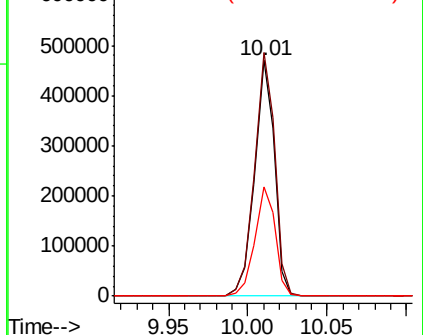
164 100

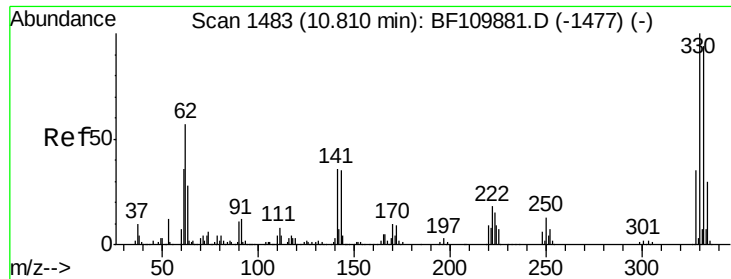
162 103.3 83.0 124.6

160 46.5 37.0 55.6



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

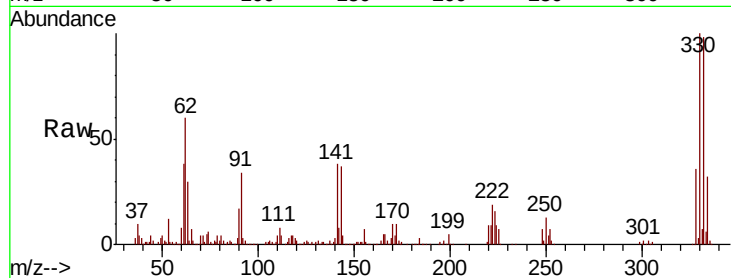




#42
 2,4,6-Tribromophenol
 Concen: 125.352 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109998.D
 Acq: 19 Oct 2018 13:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	37.2	27.0	40.4

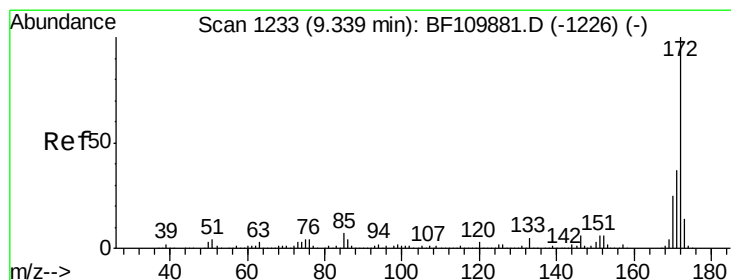
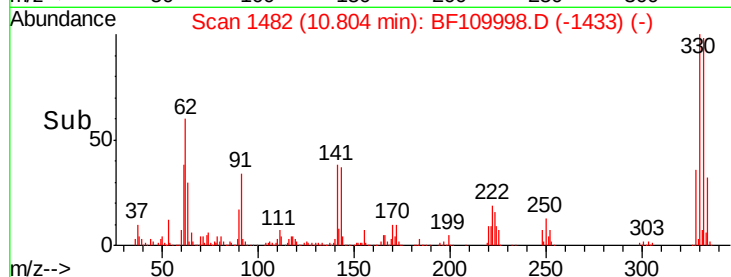
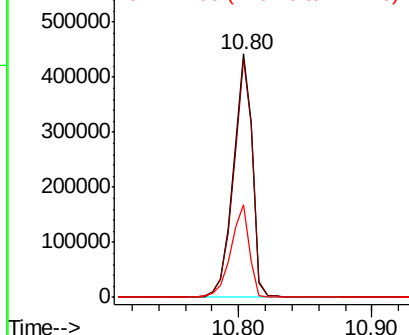


Abundance

Ion 329.80 (329.50 to 330.50): E

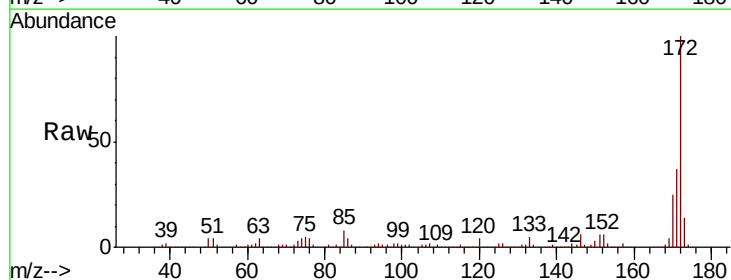
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.874 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF109998.D
 Acq: 19 Oct 2018 13:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.6	43.0
170	24.5	19.7	29.5

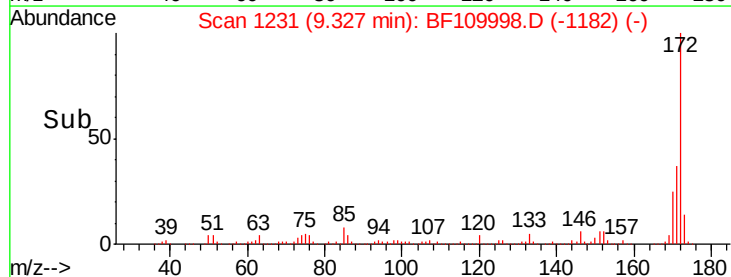
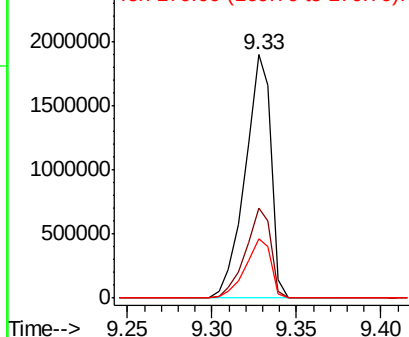


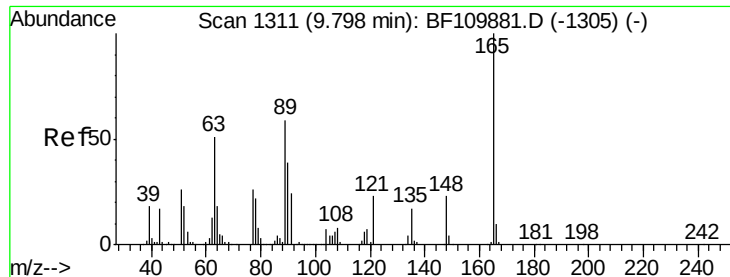
Abundance

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

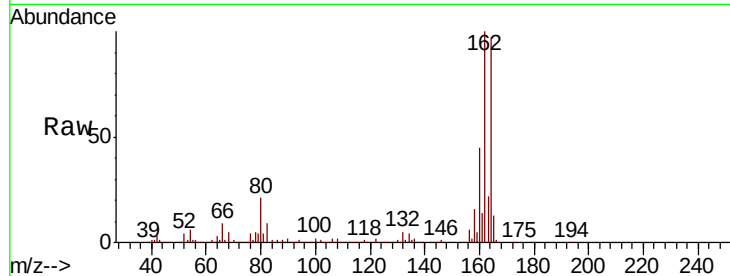




#51
2,6-Dinitrotoluene
Concen: 9.751 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF109998.D
Acq: 19 Oct 2018 13:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	48.9	73.3#
89	1.4	46.6	69.8#

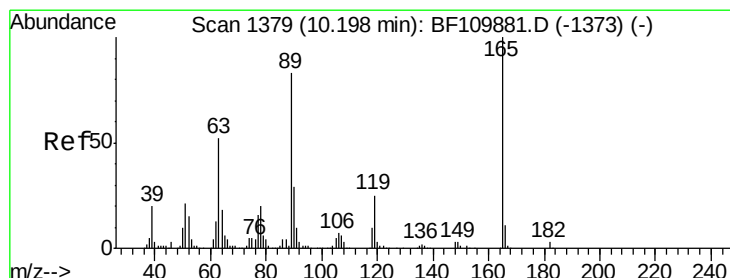
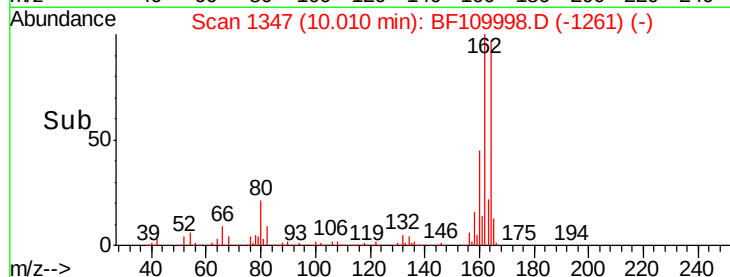
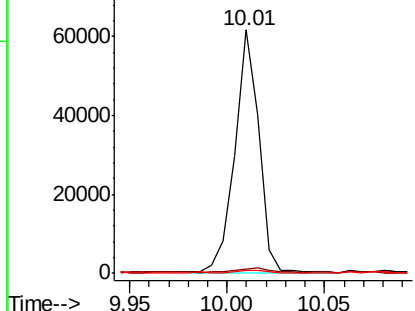


Abundance

Ion 165.00 (164.70 to 165.70): E

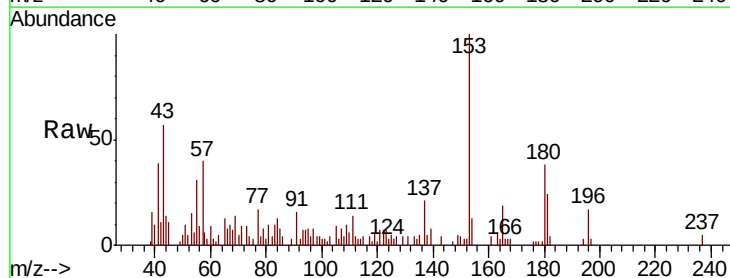
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
2,4-Dinitrotoluene
Concen: 4.988 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.06 min
Lab File: BF109998.D
Acq: 19 Oct 2018 13:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	24.4	44.8	67.2#
89	17.4	62.2	93.4#
182	19.7	2.1	3.1#



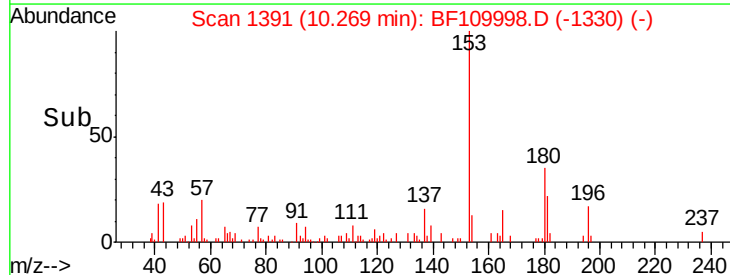
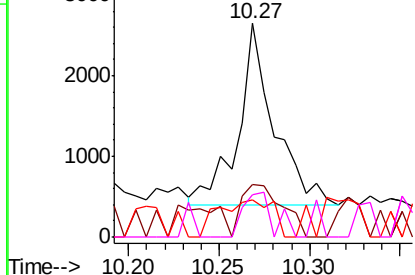
Abundance

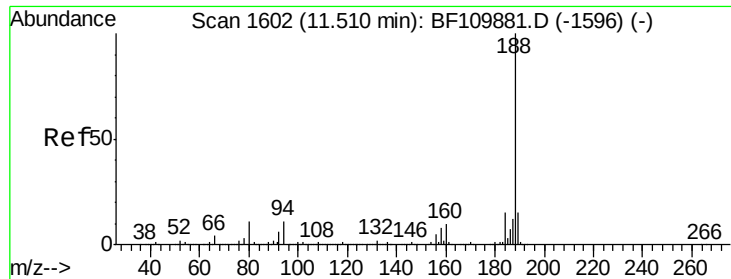
Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

Instrument :

BNA_F

ClientSampleId :

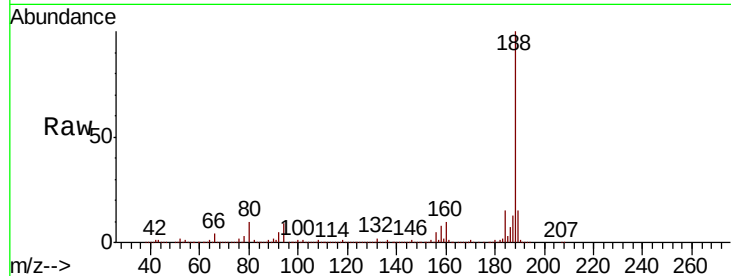
Tot Ion:188 Resp: 749751

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

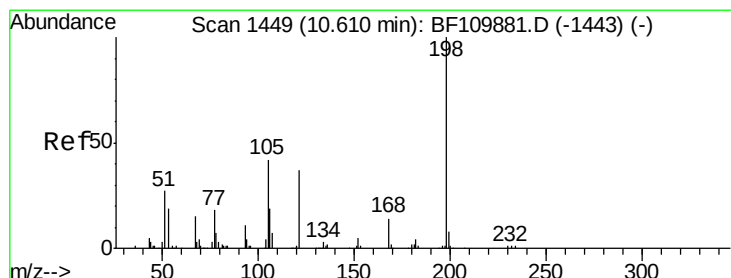
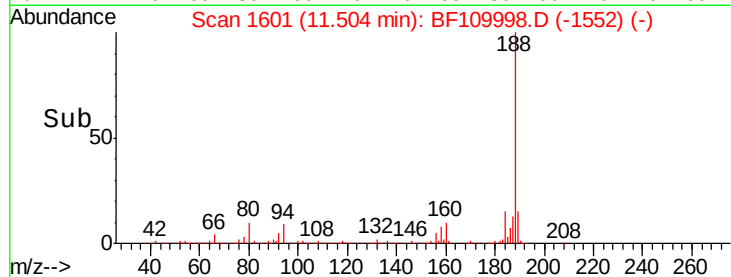
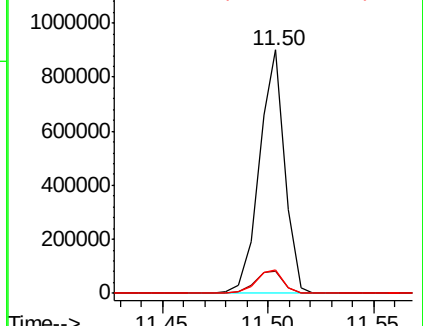
80 9.8 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.310 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

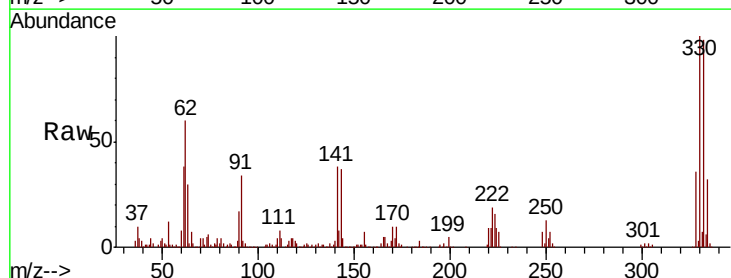
Tgt Ion:198 Resp: 1320

Ion Ratio Lower Upper

198 100

51 457.3 22.8 62.8#

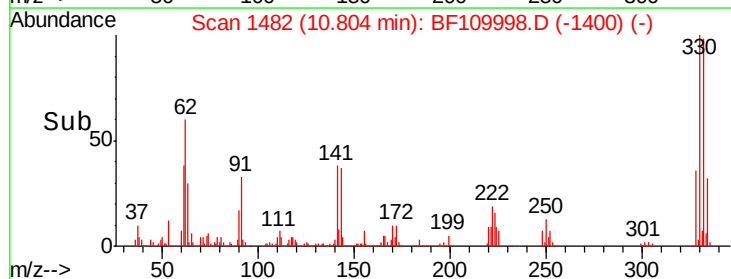
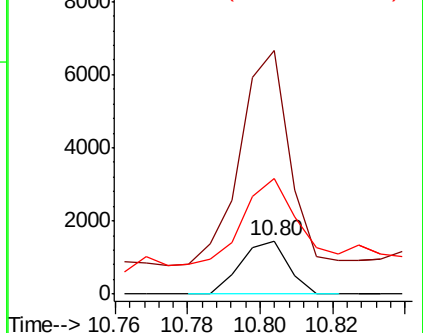
105 216.1 23.6 63.6#

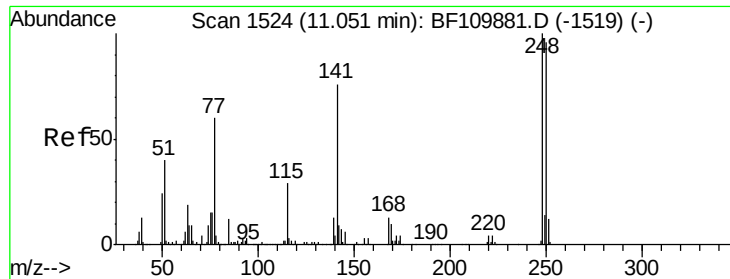


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

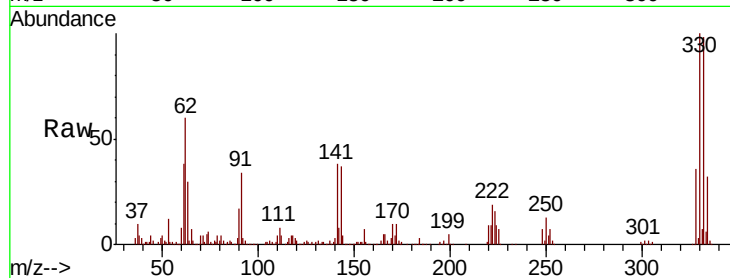




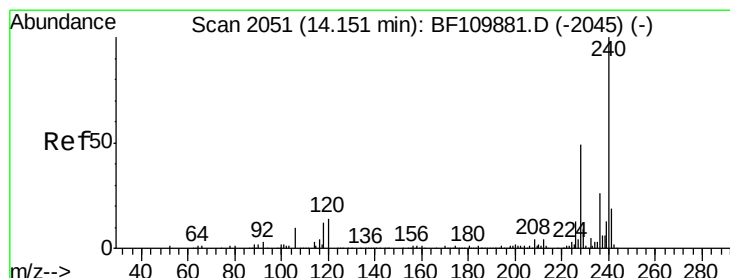
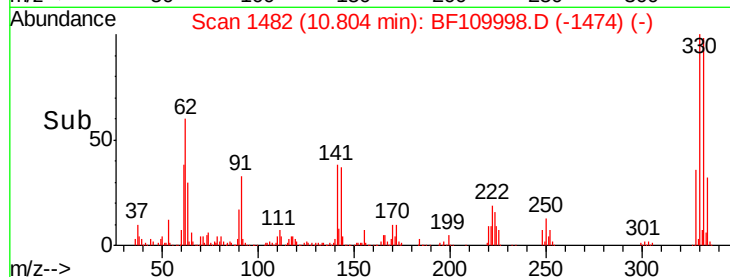
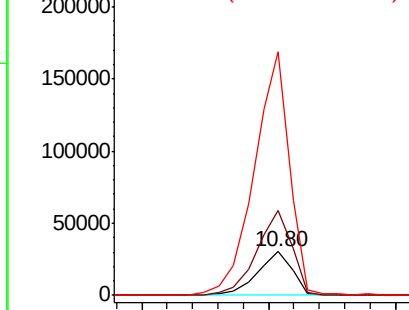
#67
4-Bromophenyl-phenylether
Concen: 3.596 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF109998.D
Acq: 19 Oct 2018 13:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 29219
Ion Ratio Lower Upper
248 100
250 195.5 79.4 119.2#
141 556.9 55.9 83.9#

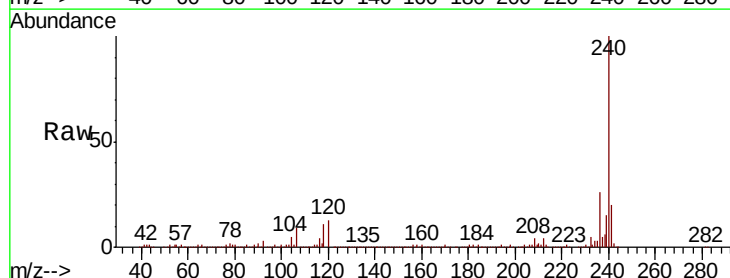


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

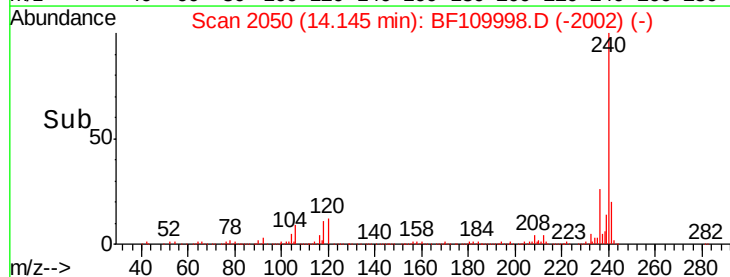
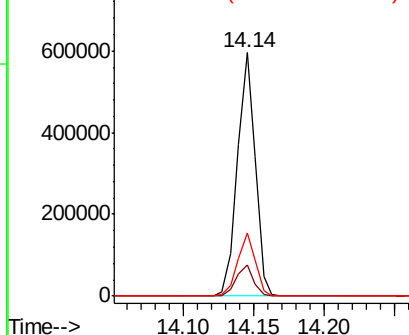


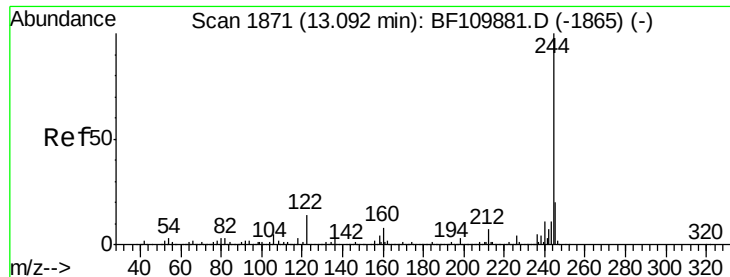
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF109998.D
Acq: 19 Oct 2018 13:20

Tgt Ion:240 Resp: 522227
Ion Ratio Lower Upper
240 100
120 12.5 8.3 12.5#
236 26.0 21.2 31.8



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





#79

Terphenyl-d14

Concen: 72.550 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

Instrument :

BNA_F

ClientSampleId :

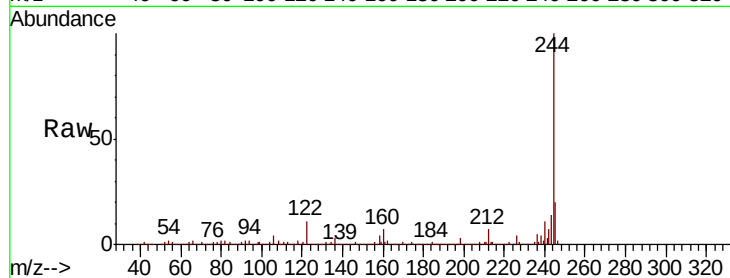
Tot Ion:244 Resp: 1804224

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

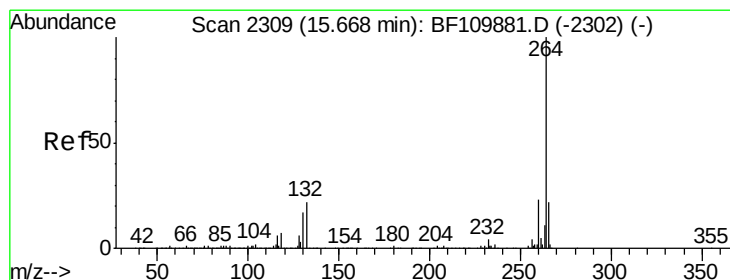
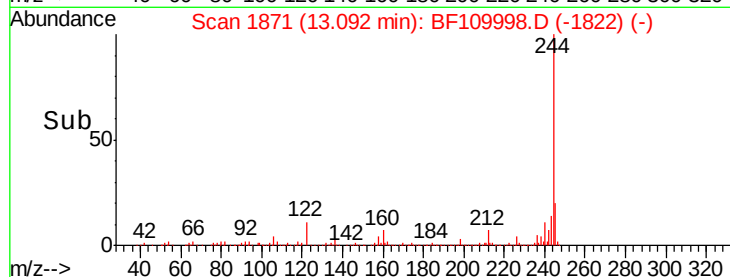
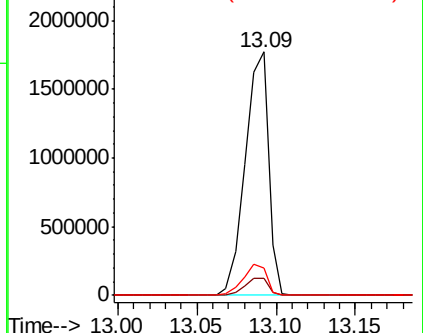
122 11.4 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BF109998.D

Acq: 19 Oct 2018 13:20

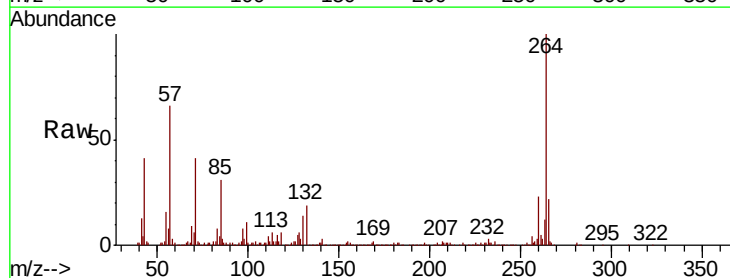
Tgt Ion:264 Resp: 359147

Ion Ratio Lower Upper

264 100

260 22.5 18.7 28.1

265 21.7 16.7 25.1



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

