

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110015.D
 Acq On : 19 Oct 2018 20:57
 Operator : JU/SJ
 Sample : J5593-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:09:39 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

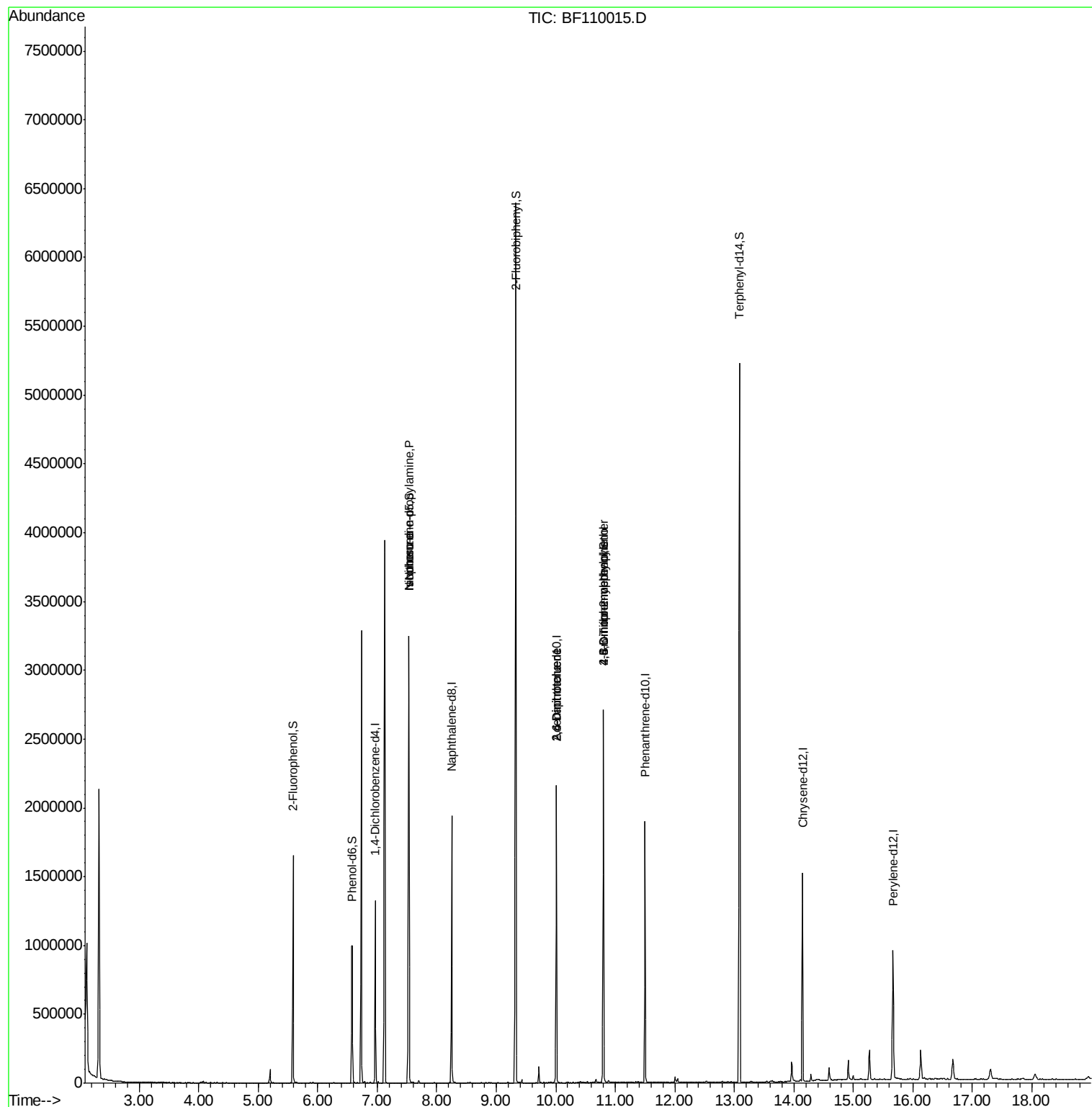
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	195245	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	821912	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	380434	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	710385	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	495416	20.00	ng	-0.02
87) Perylene-d12	15.66	264	360128	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	441310	35.83	ng	-0.01
7) Phenol-d6	6.58	99	335908	21.96	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1148392	94.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	297094	90.20	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	2018380	84.66	ng	-0.01
79) Terphenyl-d14	13.09	244	1905721	80.78	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	153572	15.638	ng	# 80
25) Isophorone	7.53	82	1145825	47.795	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	48839	9.545	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	48839	11.418	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	586	8.095	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	19826	2.575	ng	# 1

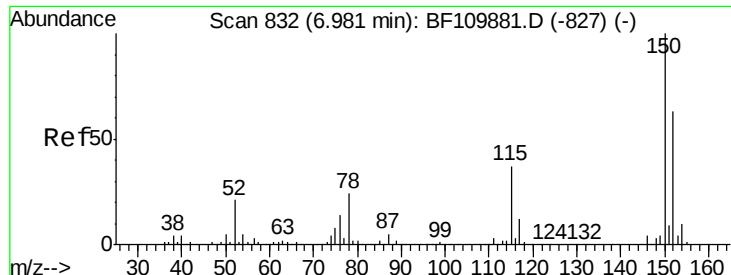
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



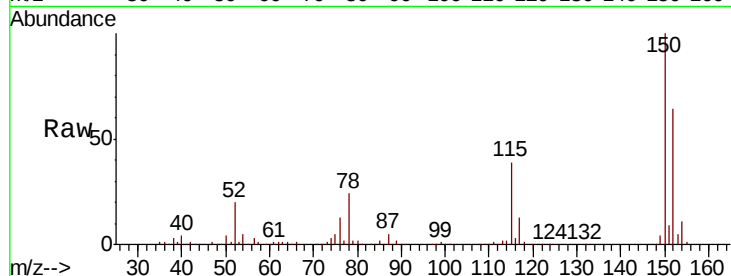


#1

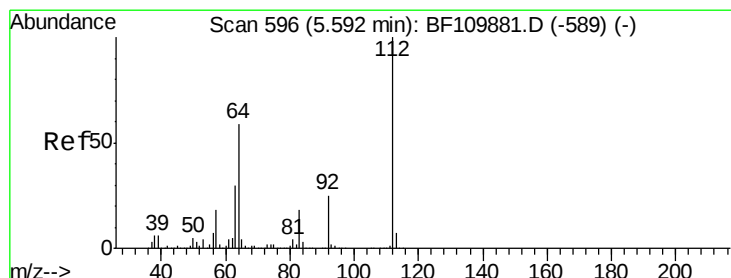
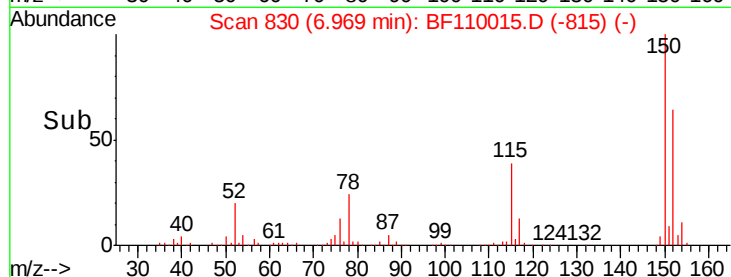
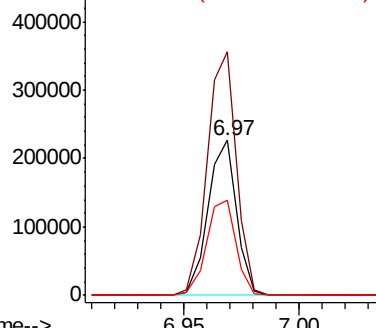
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110015.D
Acq: 19 Oct 2018 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.7	184.1
115	61.2	49.1	73.7



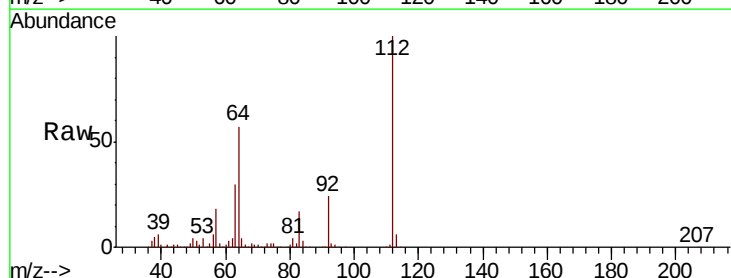
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



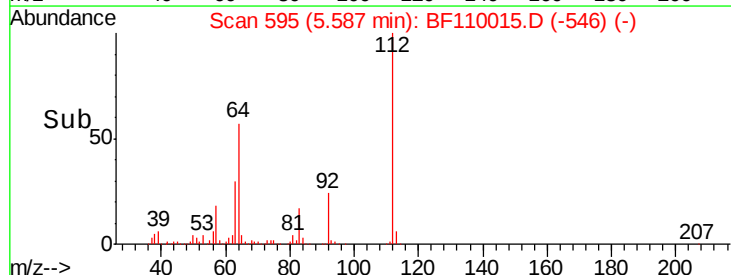
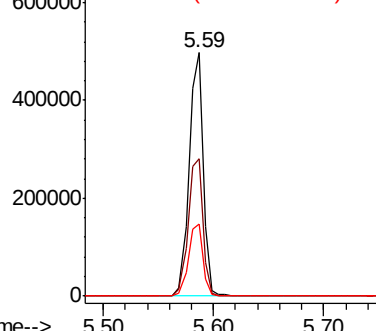
#5

2-Fluorophenol
Concen: 35.829 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110015.D
Acq: 19 Oct 2018 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.1	66.1
63	29.5	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: 21.962 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110015.D

Acq: 19 Oct 2018 20:57

Instrument :

BNA_F

ClientSampled :

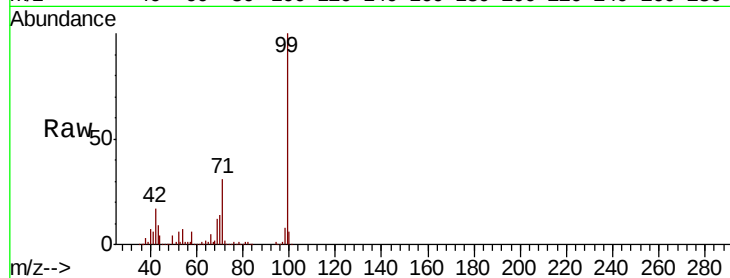
Tot Ion: 99 Resp: 335908

Ion Ratio Lower Upper

99 100

42 16.7 15.8 23.6

71 31.1 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

500000

400000

300000

200000

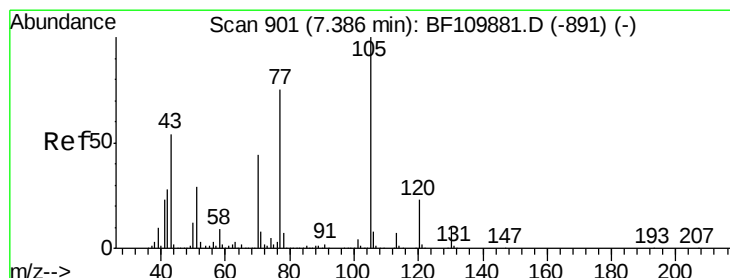
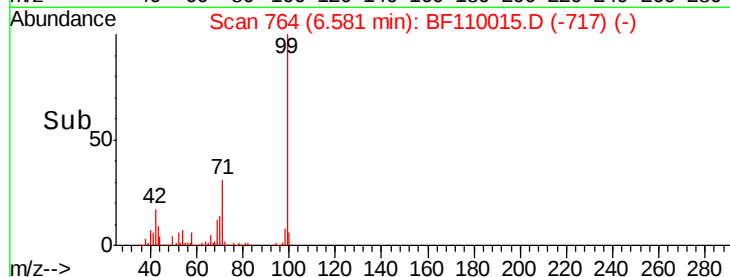
100000

0

6.58

6.50 6.55 6.60 6.65

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.638 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110015.D

Acq: 19 Oct 2018 20:57

Tgt Ion: 70 Resp: 153572

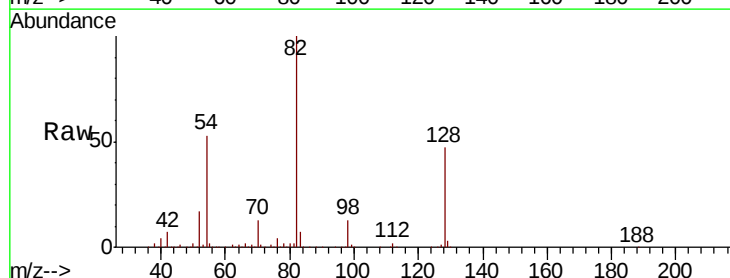
Ion Ratio Lower Upper

70 100

42 49.3 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

200000

150000

100000

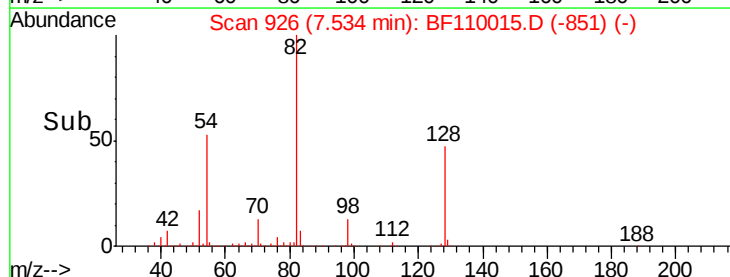
50000

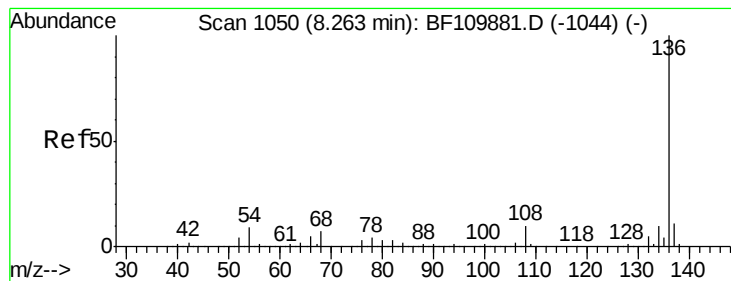
0

7.53

7.50 7.55

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110015.D

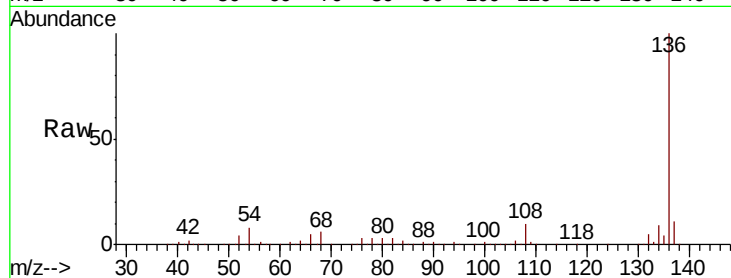
Acq: 19 Oct 2018 20:57

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	821912
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	8.4	5.4 8.2#
68	5.8	4.2 6.2

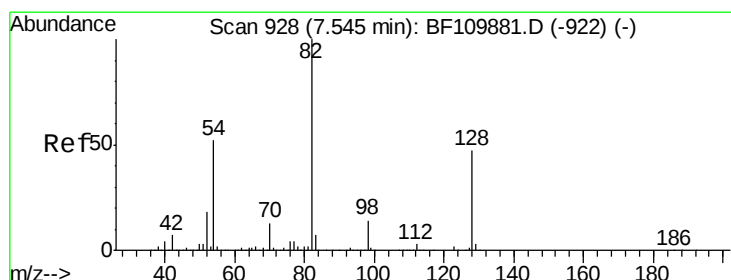
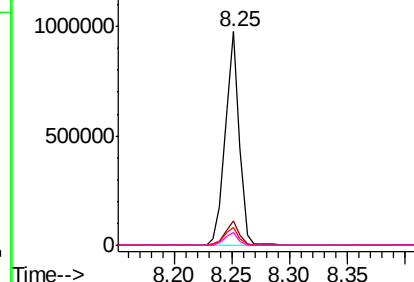
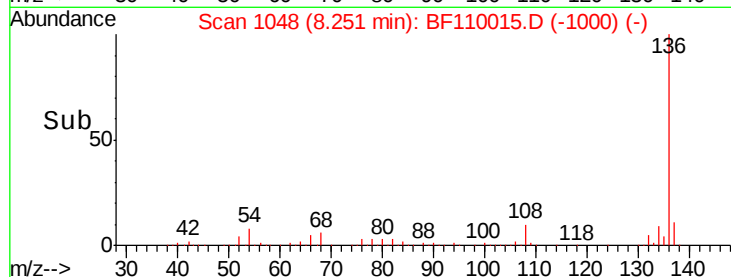


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.122 ng

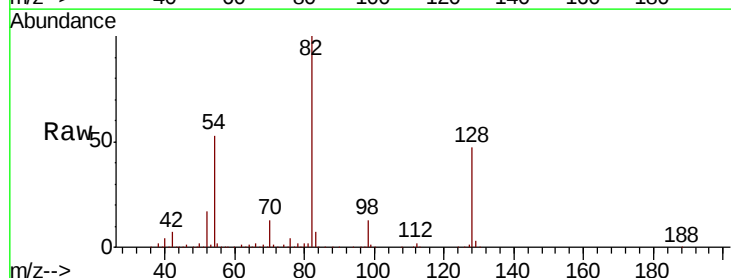
RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF110015.D

Acq: 19 Oct 2018 20:57

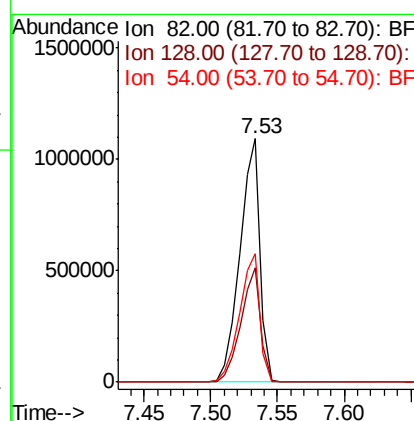
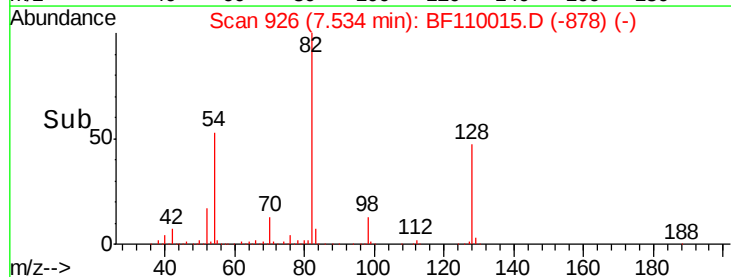
Tgt Ion: 82	Resp: 1148392
Ion Ratio	Lower Upper
82	100
128	47.2 34.2 51.2
54	52.8 38.6 58.0

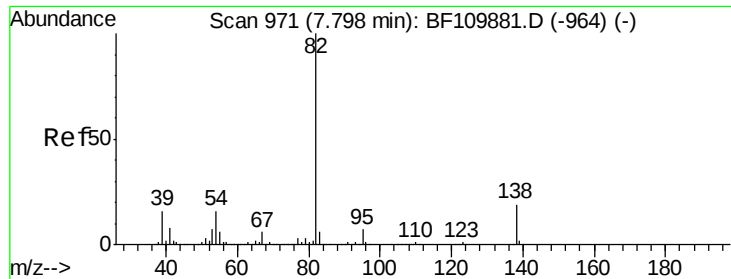


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

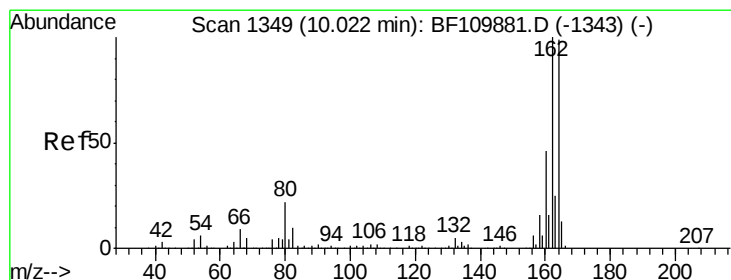
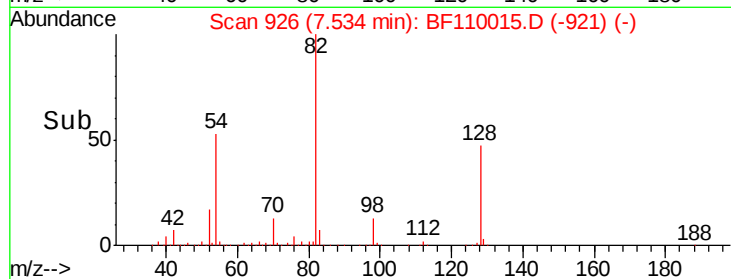
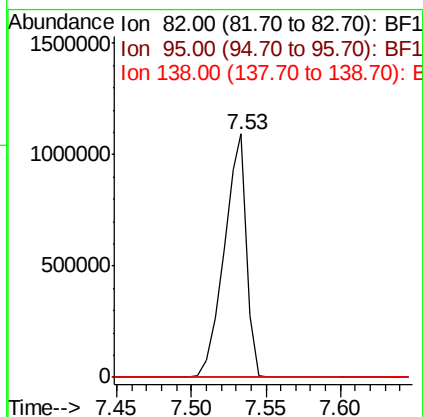
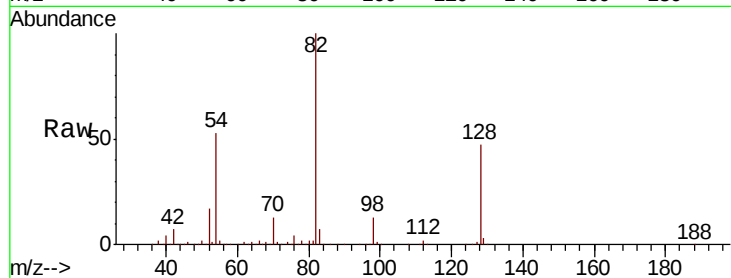




#25
Isophorone
Concen: 47.795 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110015.D
Acq: 19 Oct 2018 20:57

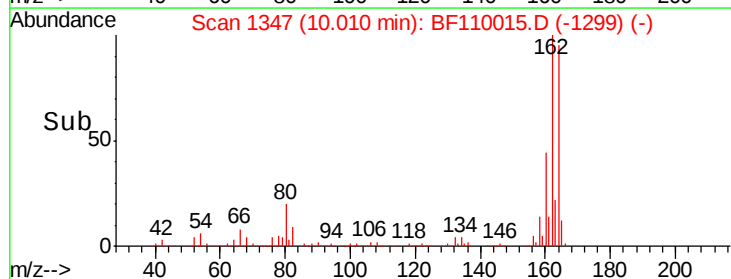
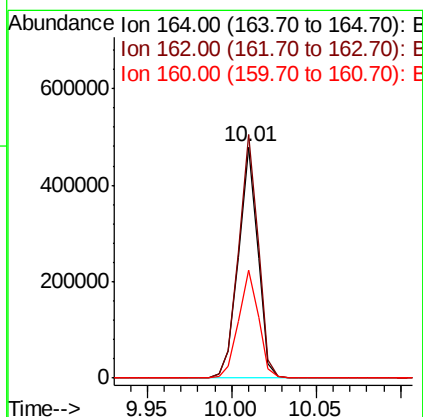
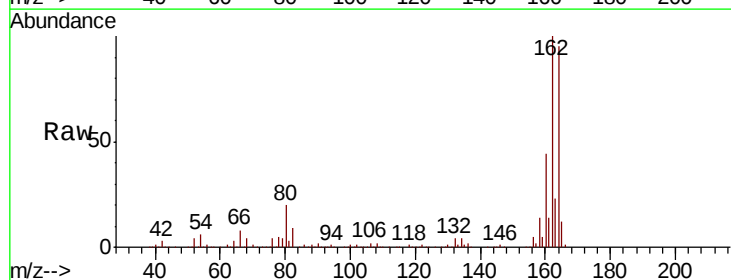
Instrument :
BNA_F
ClientSampled :

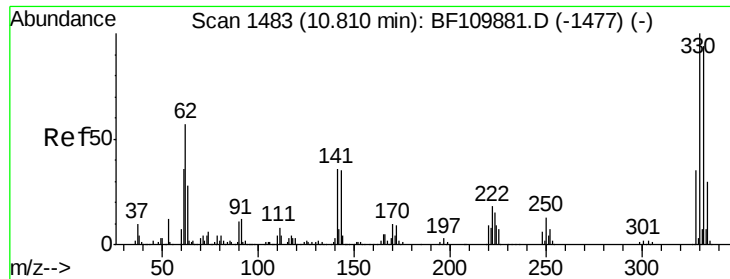
Tot Ion: 82 Resp: 1145825
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110015.D
Acq: 19 Oct 2018 20:57

Tgt Ion:164 Resp: 380434
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.6
160 46.5 37.0 55.6

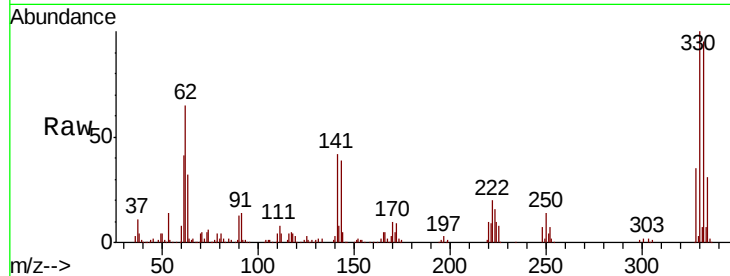




#42
 2,4,6-Tribromophenol
 Concen: 90.201 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110015.D
 Acq: 19 Oct 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	37.2	27.0	40.4

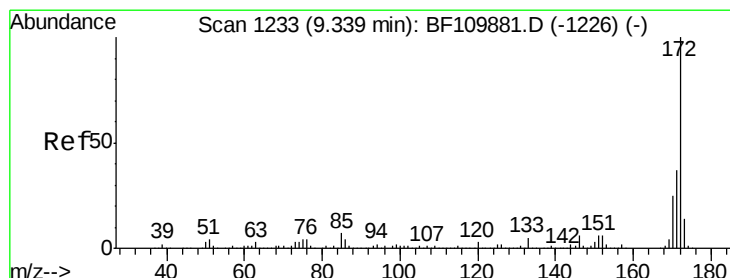
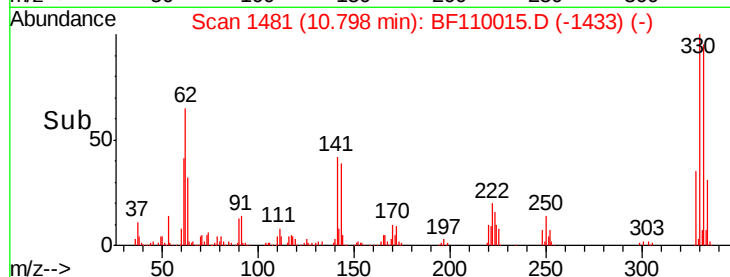
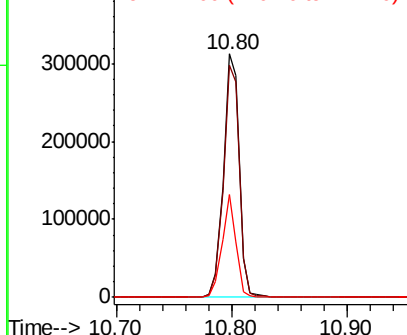


Abundance

Ion 329.80 (329.50 to 330.50): E

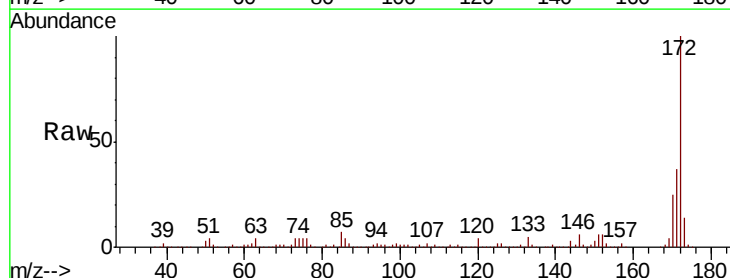
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 84.657 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110015.D
 Acq: 19 Oct 2018 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	43.0
170	24.9	19.7	29.5

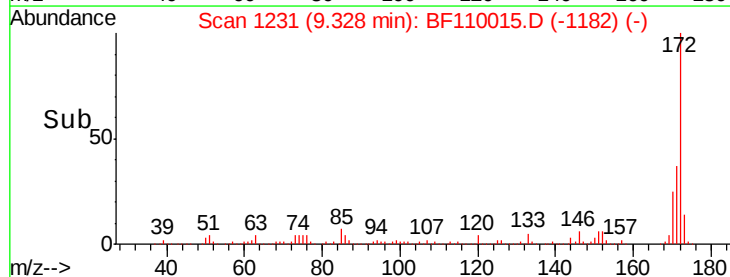
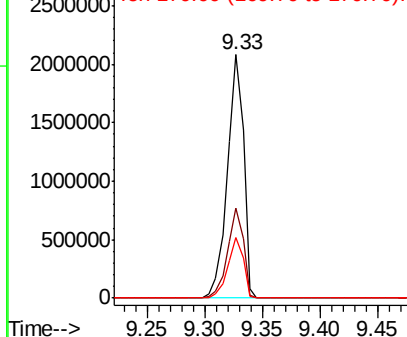


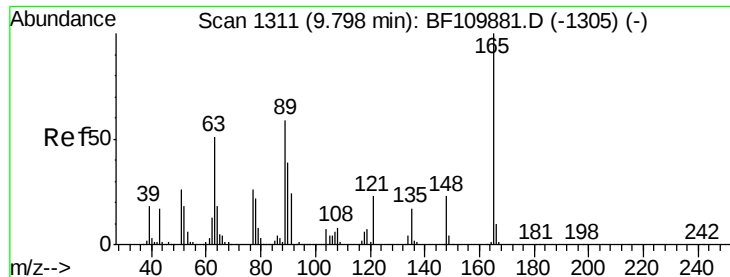
Abundance

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: 9.545 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110015.D

Acq: 19 Oct 2018 20:57

Instrument :

BNA_F

ClientSampleId :

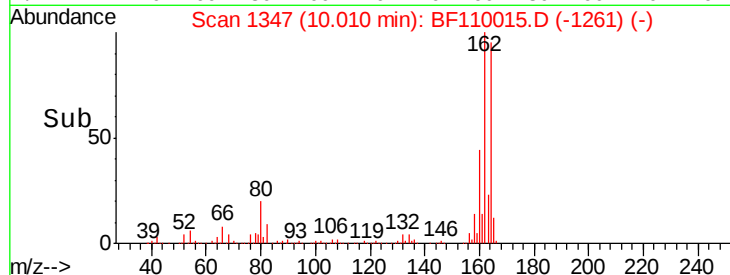
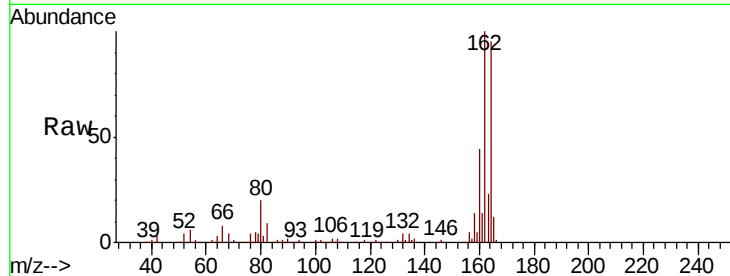
Tot Ion:165 Resp: 48839

Ion Ratio Lower Upper

165 100

63 1.4 48.9 73.3#

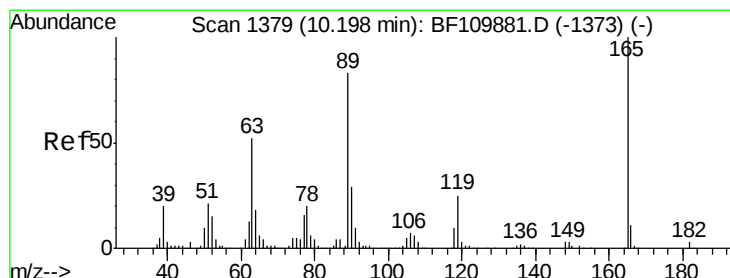
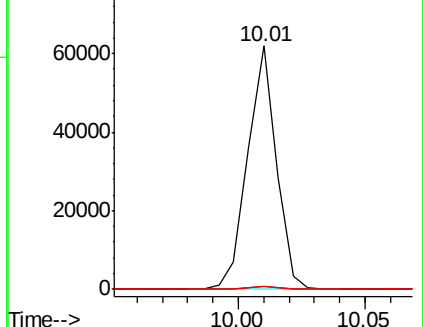
89 1.3 46.6 69.8#



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: 11.418 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110015.D

Acq: 19 Oct 2018 20:57

Tgt Ion:165 Resp: 48839

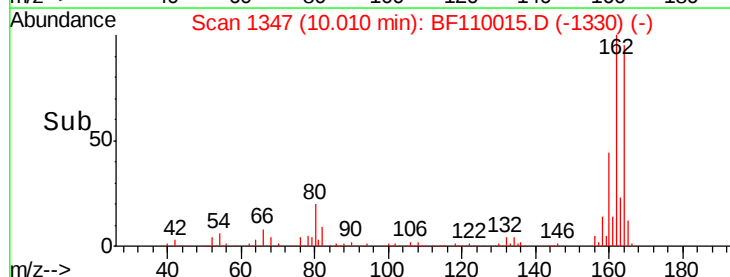
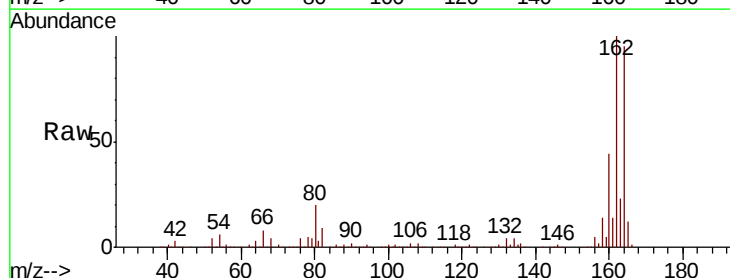
Ion Ratio Lower Upper

165 100

63 1.4 44.8 67.2#

89 1.3 62.2 93.4#

182 0.0 2.1 3.1#

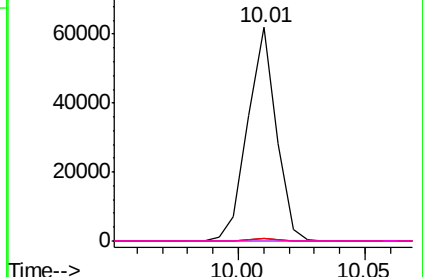


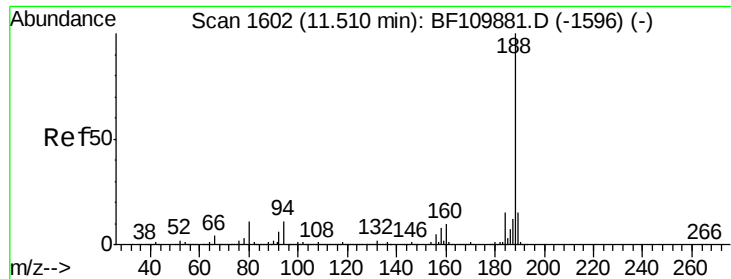
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF110015.D

Acq: 19 Oct 2018 20:57

Instrument :

BNA_F

ClientSampleId :

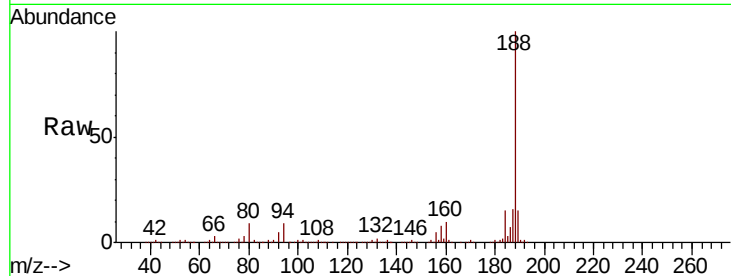
Tot Ion:188 Resp: 710385

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

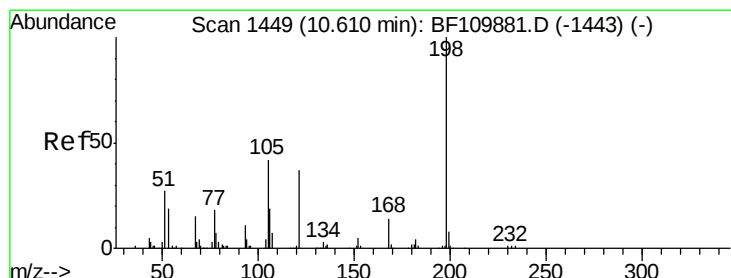
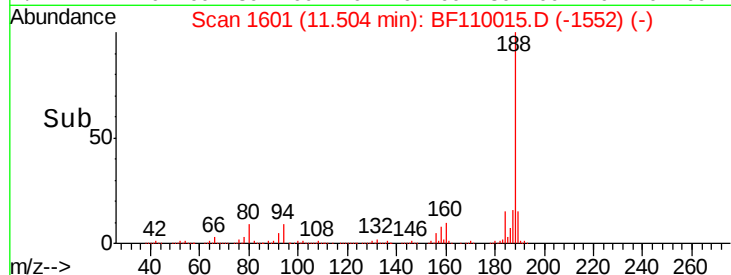
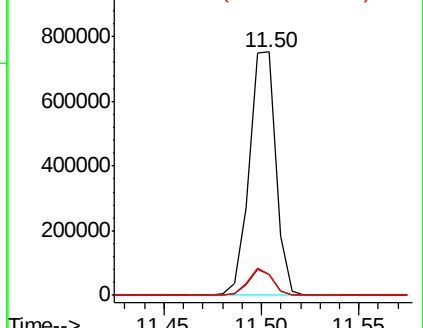
80 8.8 7.9 11.9



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: 8.095 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110015.D

Acq: 19 Oct 2018 20:57

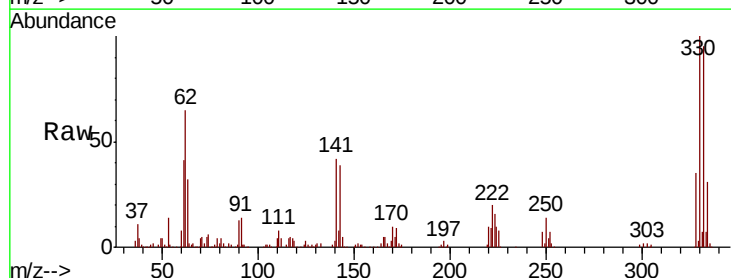
Tgt Ion:198 Resp: 586

Ion Ratio Lower Upper

198 100

51 218.5 22.8 62.8#

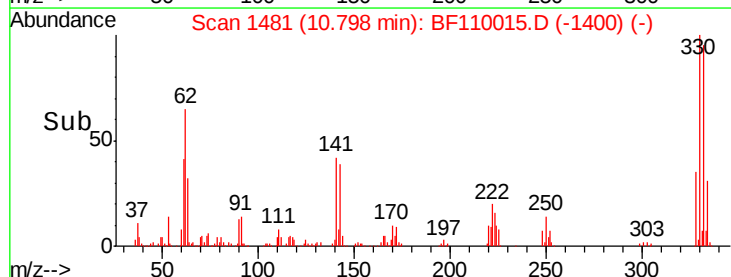
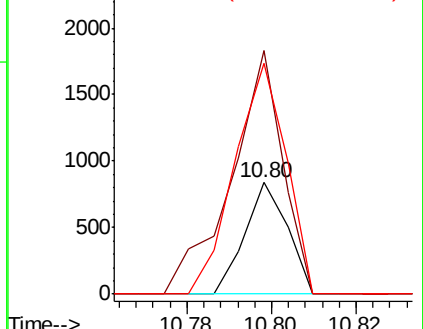
105 207.2 23.6 63.6#

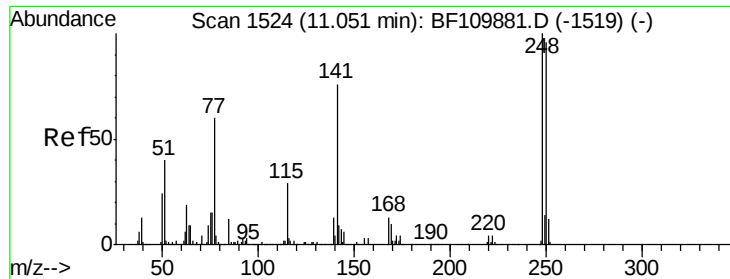


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

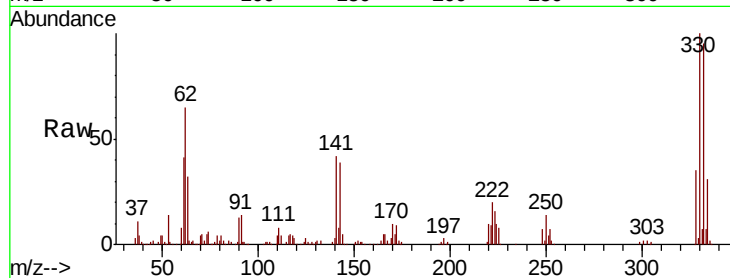




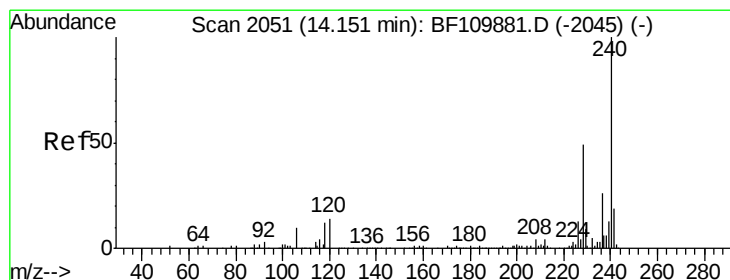
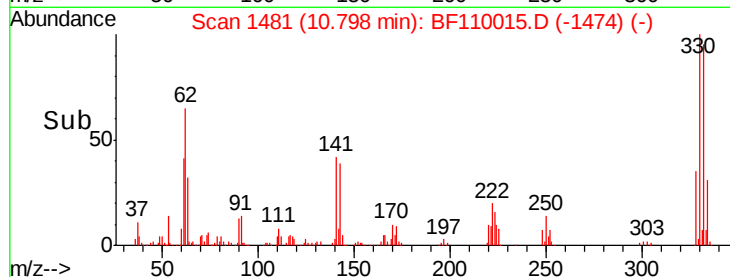
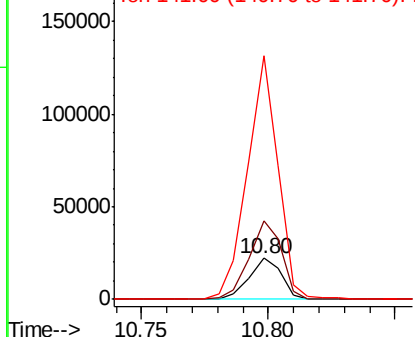
#67
4-Bromophenyl-phenylether
Concen: 2.575 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.26 min
Lab File: BF110015.D
Acq: 19 Oct 2018 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19826
Ion Ratio Lower Upper
248 100
250 193.8 79.4 119.2#
141 597.6 55.9 83.9#

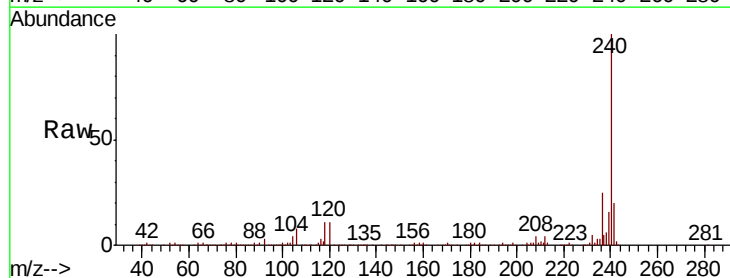


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

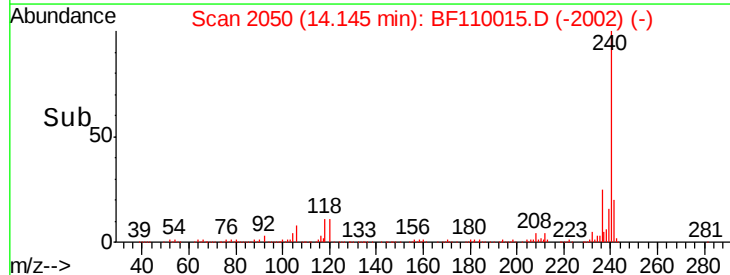
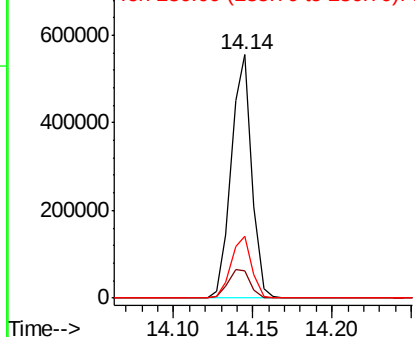


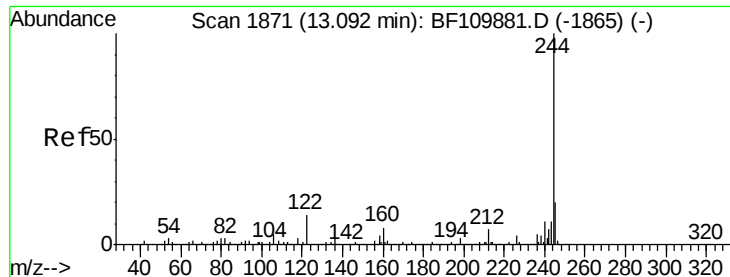
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110015.D
Acq: 19 Oct 2018 20:57

Tgt Ion:240 Resp: 495416
Ion Ratio Lower Upper
240 100
120 11.0 8.3 12.5
236 25.4 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



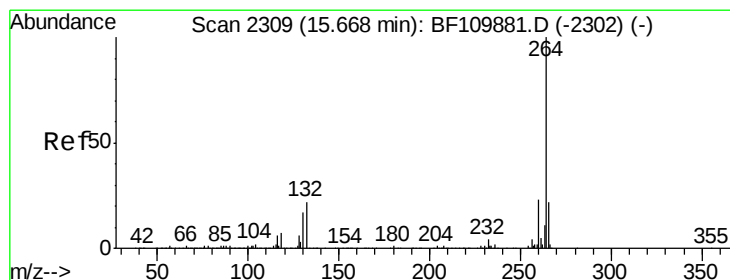
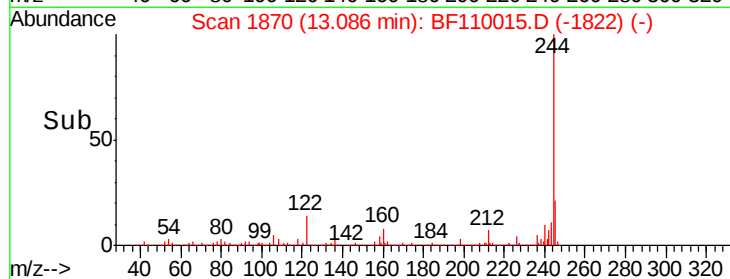
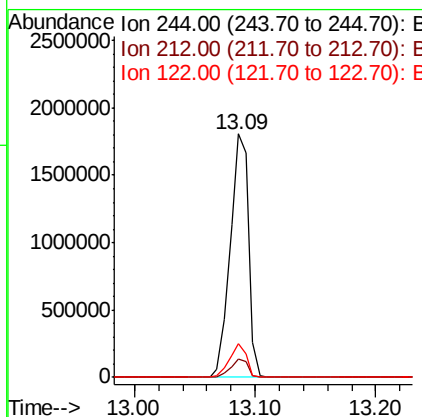
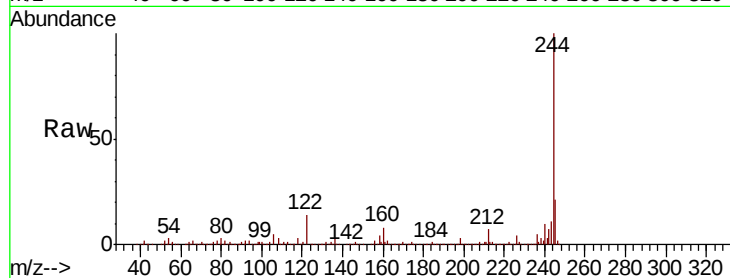


#79
 Terphenyl-d14
 Concen: 80.778 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110015.D
 Acq: 19 Oct 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1905721

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	13.9	8.7	13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. -0.03 min
 Lab File: BF110015.D
 Acq: 19 Oct 2018 20:57

Tgt Ion:264 Resp: 360128

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	21.0	16.7	25.1

