

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\
 Data File : BF108973.D
 Acq On : 13 Sep 2018 19:16
 Operator : JU/SJ
 Sample : J4875-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 01:57:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

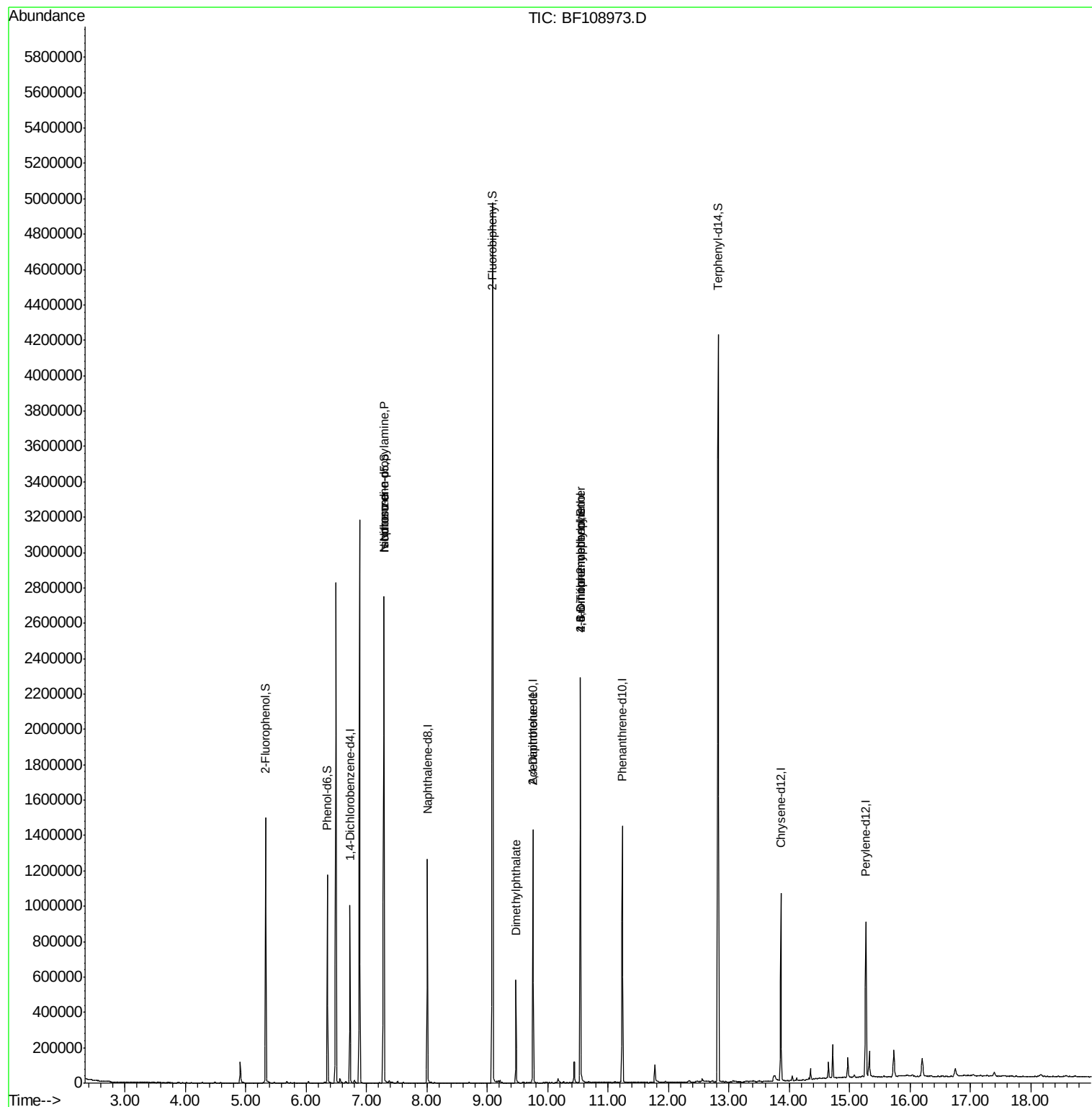
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	146622	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	542959	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	255985	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	467309	20.00	ng	0.00
75) Chrysene-d12	13.86	240	364908	20.00	ng	0.00
86) Perylene-d12	15.27	264	395216	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	400327	45.23	ng	0.00
7) Phenol-d6	6.35	99	333600	29.30	ng	-0.01
23) Nitrobenzene-d5	7.29	82	968593	111.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	264739	108.33	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1580228	105.31	ng	0.00
78) Terphenyl-d14	12.82	244	1537375	98.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	131027	16.553	ng	# 77
25) Isophorone	7.29	82	964895	55.755	ng	# 64
49) Dimethylphthalate	9.48	163	215340	12.027	ng	# 99
56) 2,4-Dinitrotoluene	9.76	165	32338	7.412	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	428	7.068	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	15752	2.984	ng	# 1

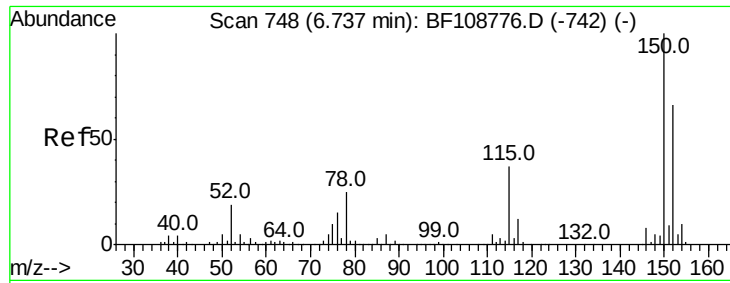
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
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QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration



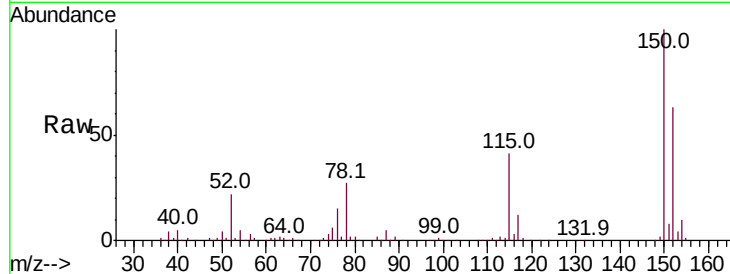


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	64.1	50.1	75.1

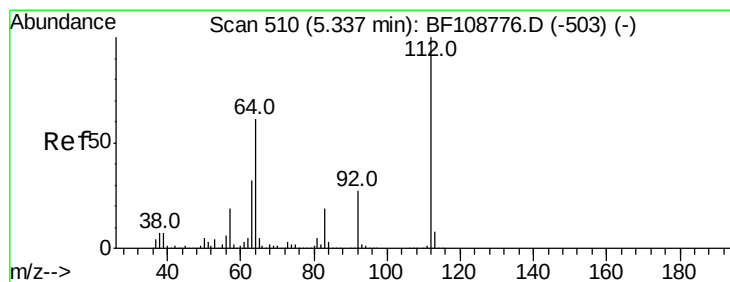
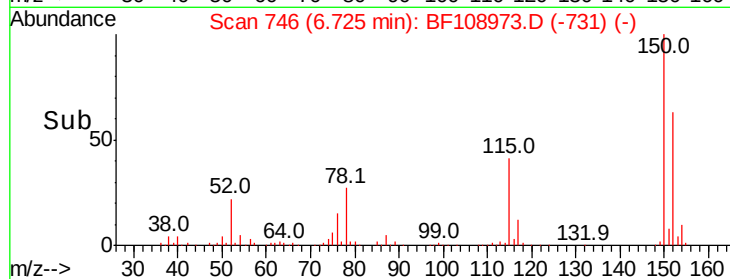
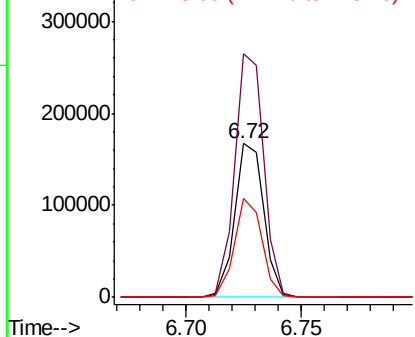


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

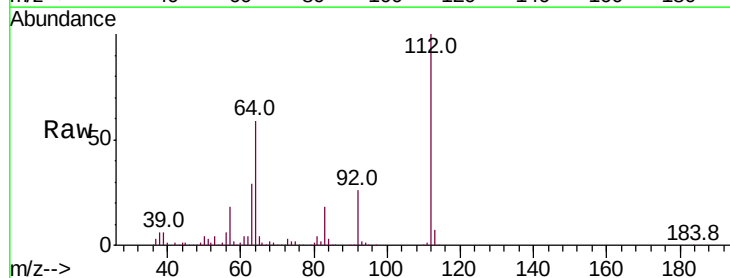
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 45.233 ng
 RT: 5.33 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.2	23.7	35.5

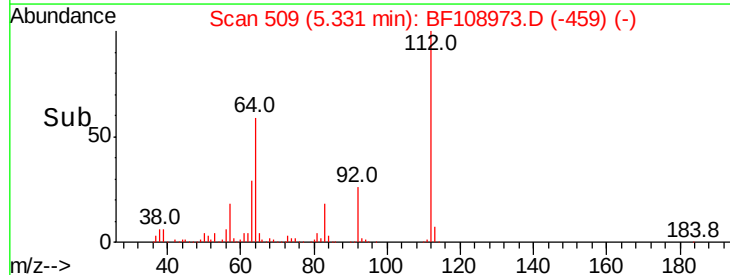
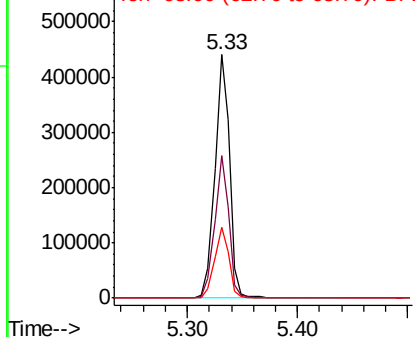


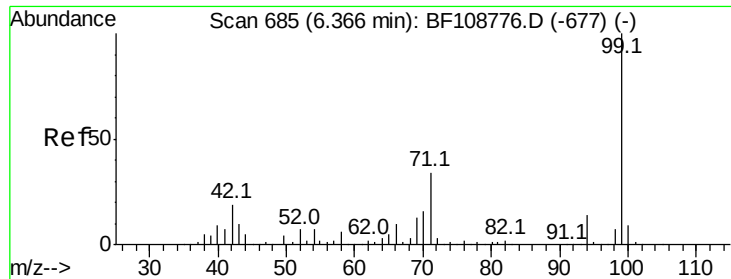
Abundance

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: 29.295 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

Instrument :

BNA_F

ClientSampled :

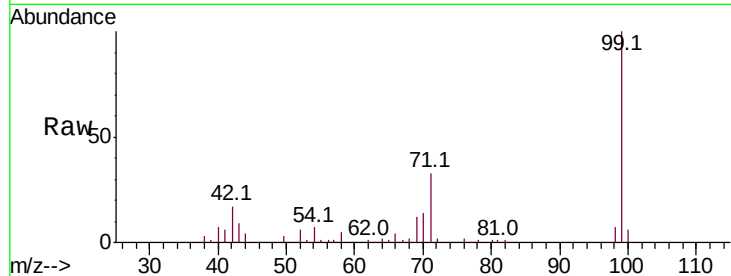
Tot Ion: 99 Resp: 333600

Ion Ratio Lower Upper

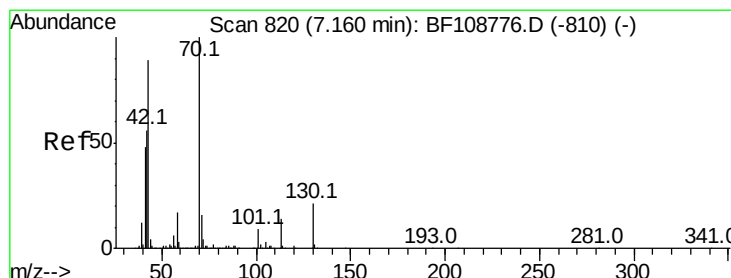
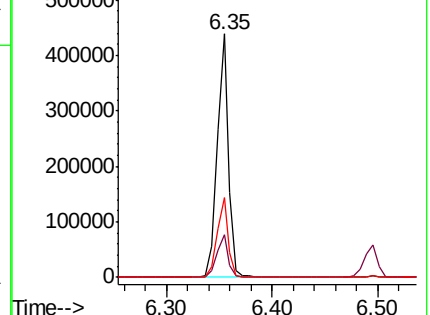
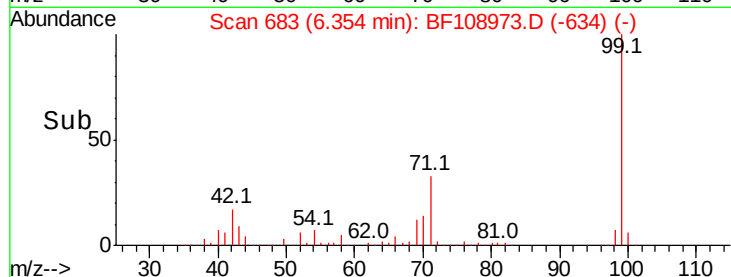
99 100

42 17.3 14.5 21.7

71 32.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.553 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

Tgt Ion: 70 Resp: 131027

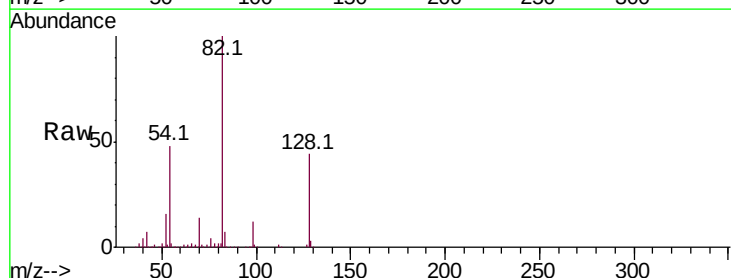
Ion Ratio Lower Upper

70 100

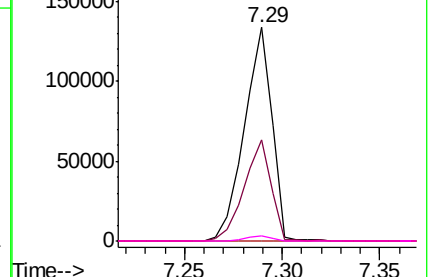
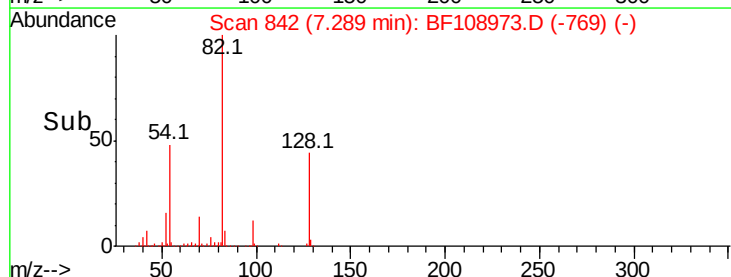
42 47.3 47.5 71.3#

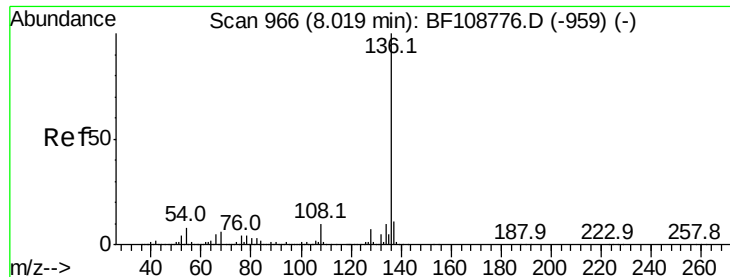
101 0.0 7.4 11.2#

130 2.2 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: 8.01 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 542959

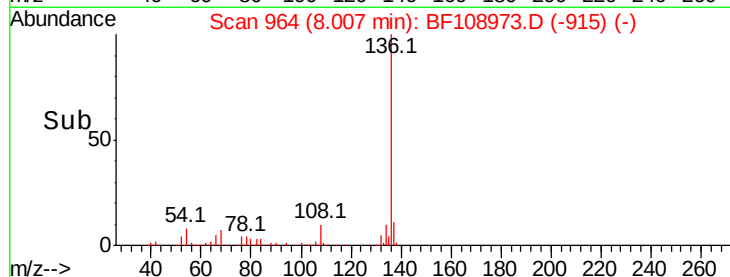
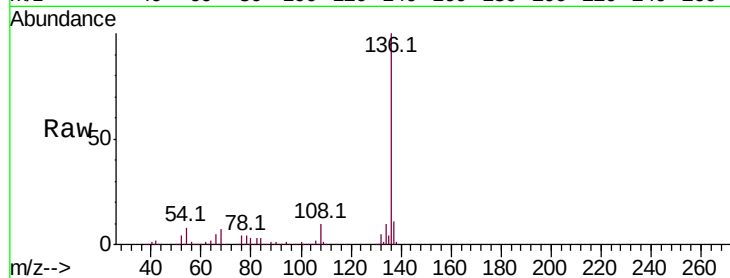
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.7 6.6 9.8

68 6.7 5.0 7.4

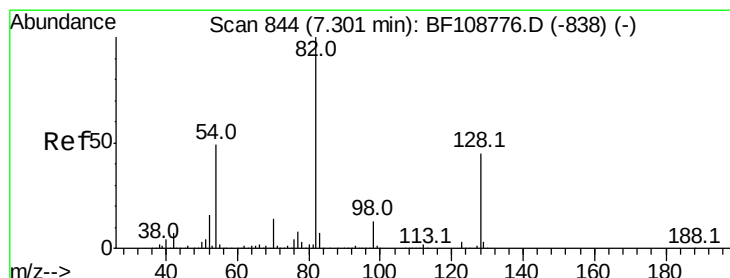
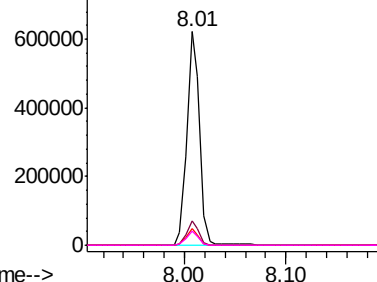


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.639 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

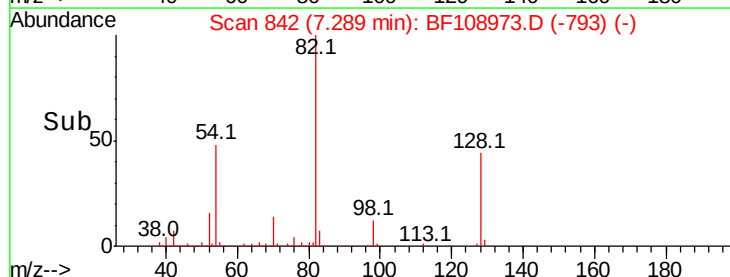
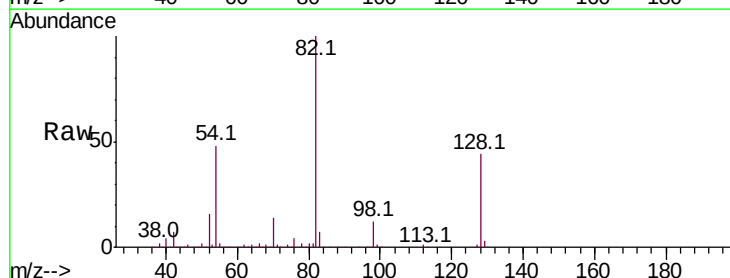
Tgt Ion: 82 Resp: 968593

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

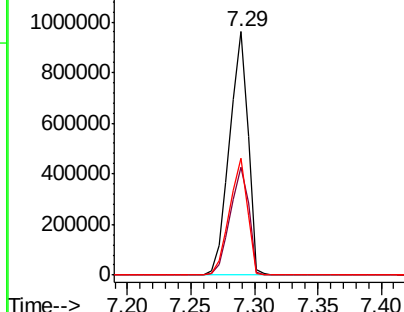
54 48.2 41.4 62.2

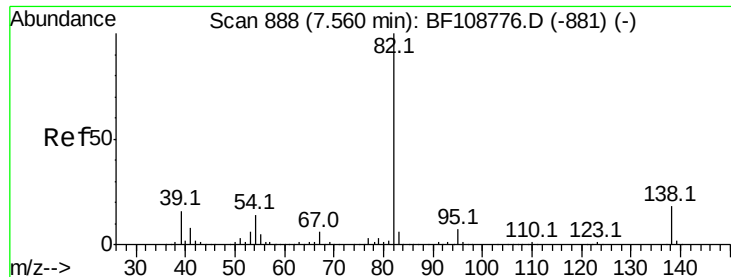


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.755 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

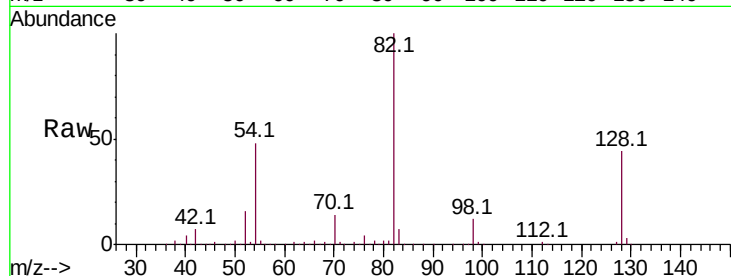
Tot Ion: 82 Resp: 964895

Ion Ratio Lower Upper

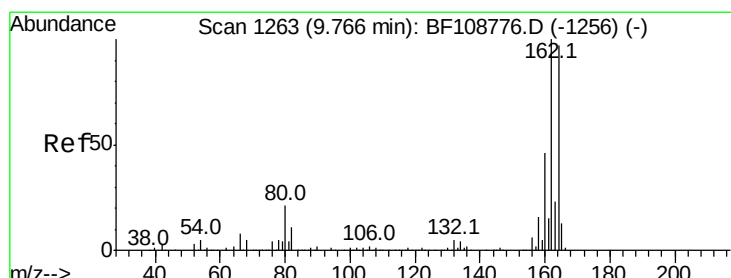
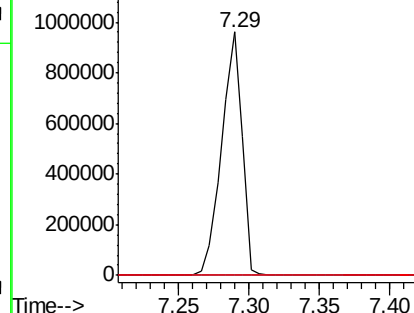
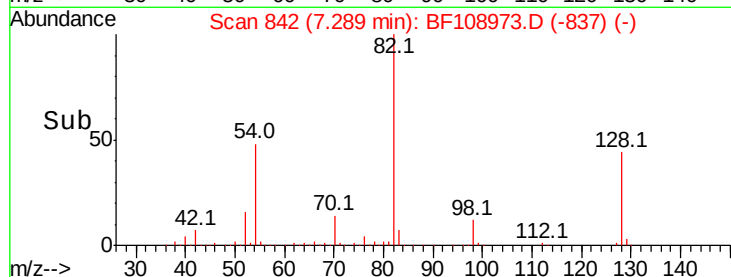
82 100

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: 9.76 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

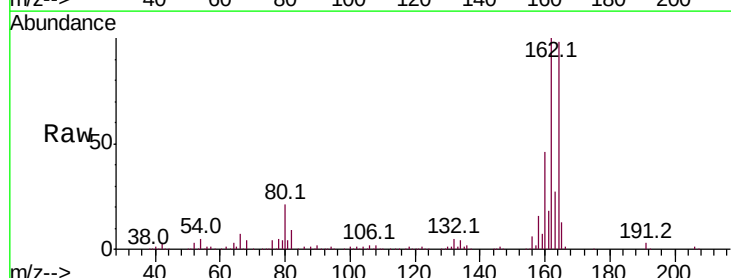
Tgt Ion: 164 Resp: 255985

Ion Ratio Lower Upper

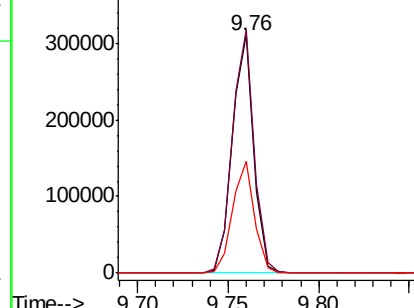
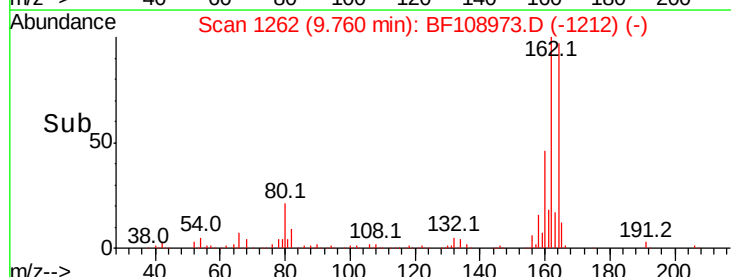
164 100

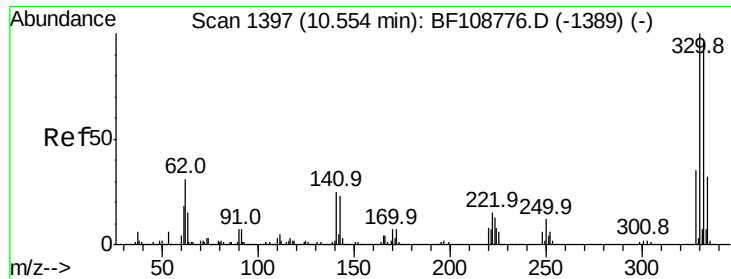
162 102.2 86.1 129.1

160 46.8 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

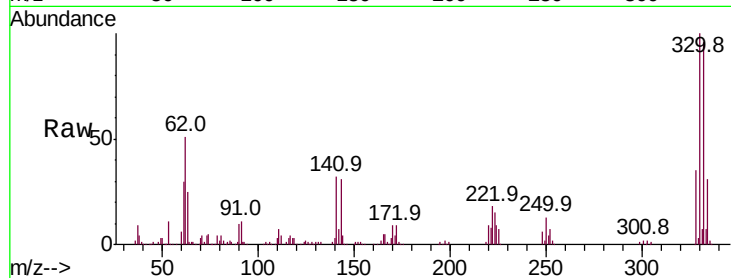




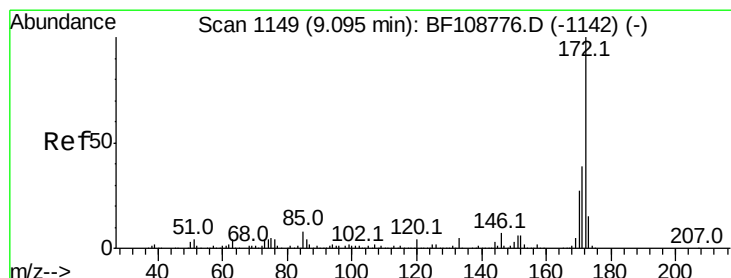
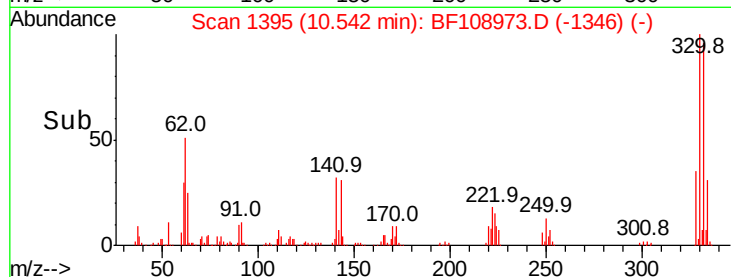
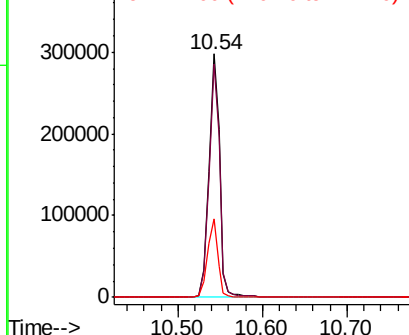
#41
 2,4,6-Tribromophenol
 Concen: 108.333 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 264739
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 31.2 29.9 44.9

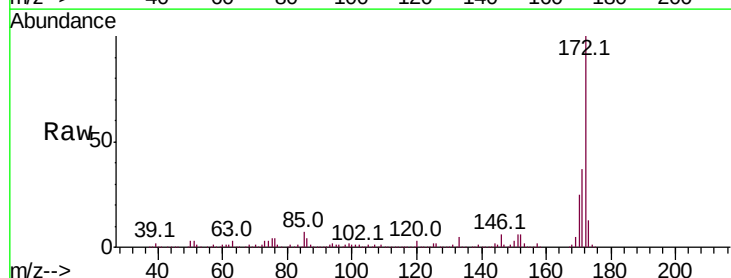


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

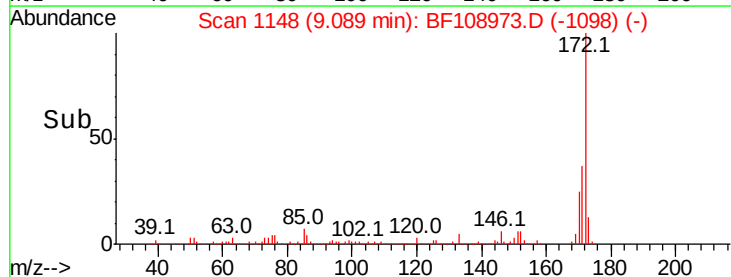
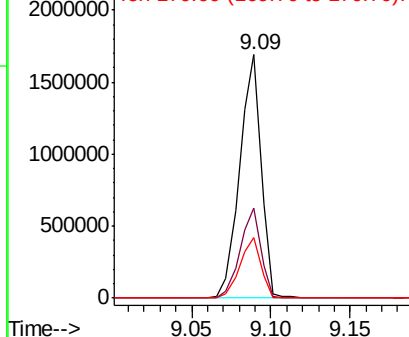


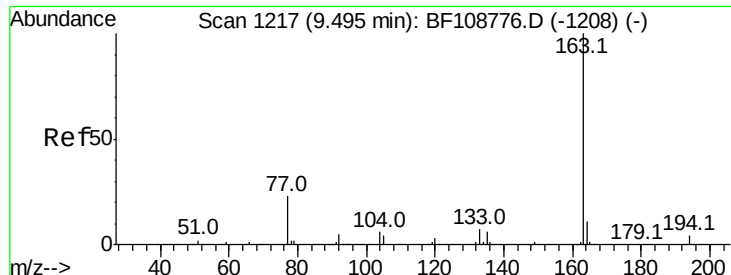
#44
 2-Fluorobiphenyl
 Concen: 105.313 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Tgt Ion:172 Resp: 1580228
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.6 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: 12.027 ng

RT: 9.48 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

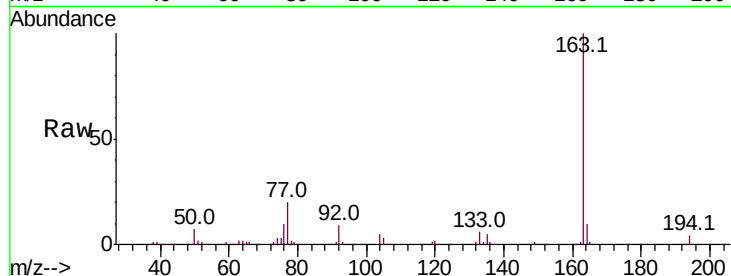
Tot Ion:163 Resp: 215340

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

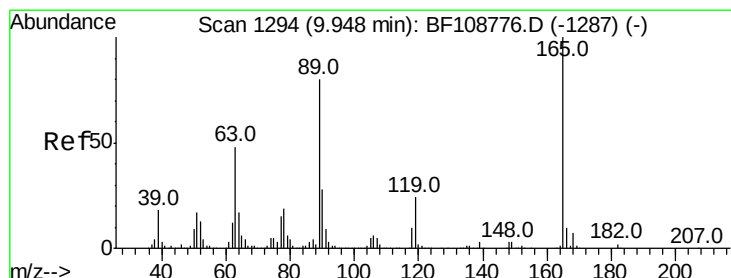
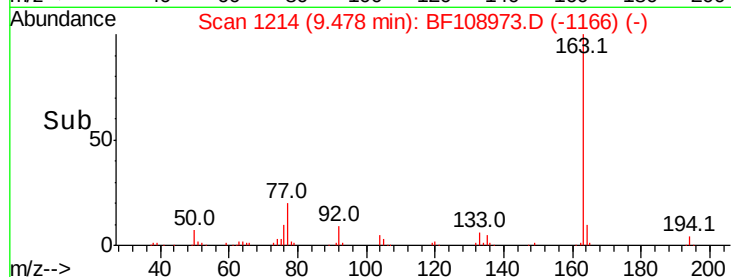
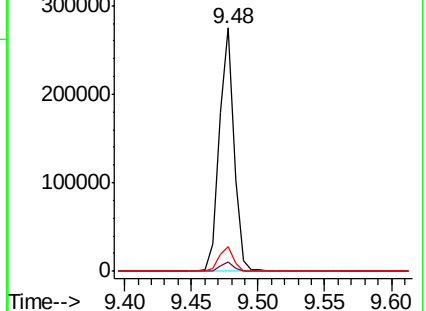
164 9.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.412 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.19 min

Lab File: BF108973.D

Acq: 13 Sep 2018 19:16

Tgt Ion:165 Resp: 32338

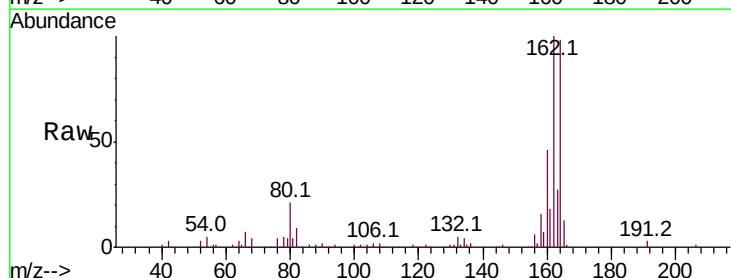
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

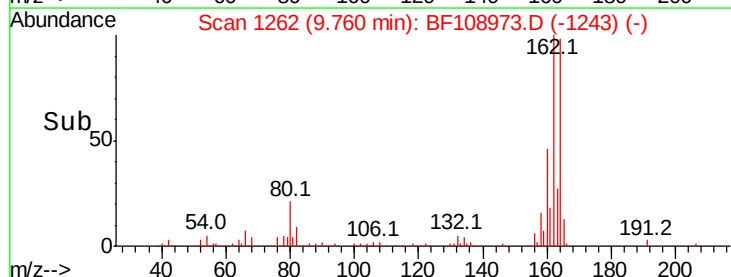
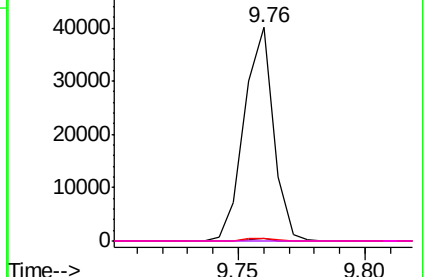


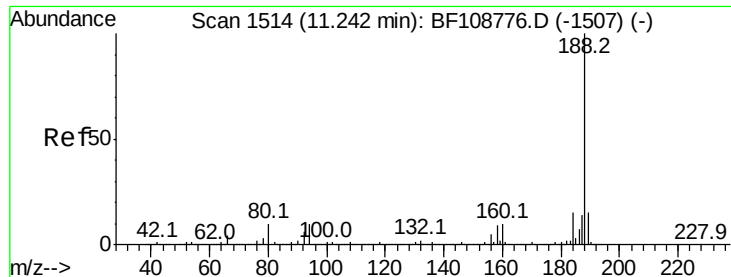
Abundance Ion 165.00 (164.70 to 165.70): E

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

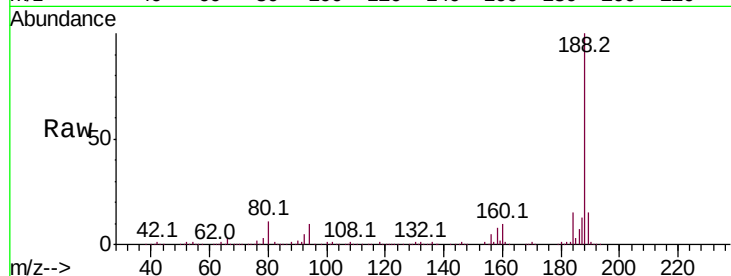




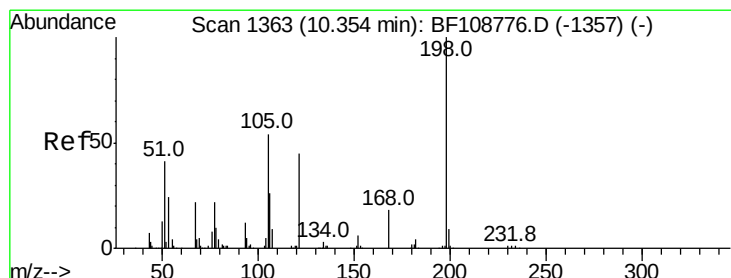
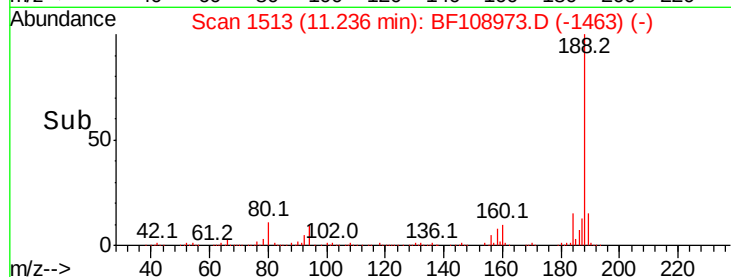
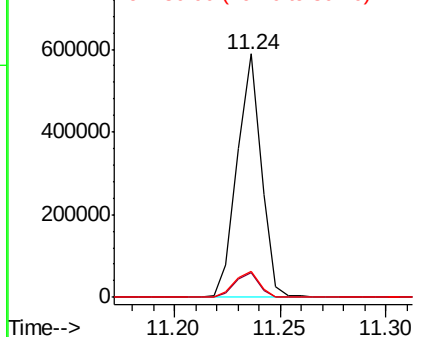
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 467309
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.8 9.2 13.8

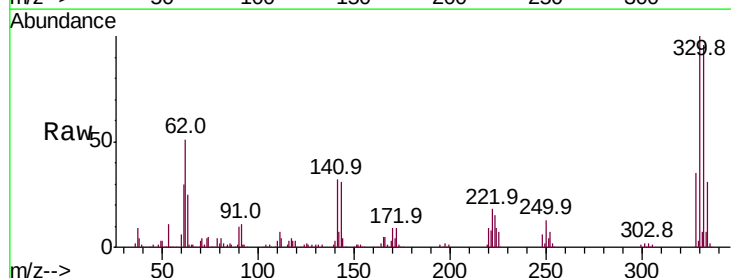


Abundance Ion 188.00 (187.70 to 188.70): E
 800000
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

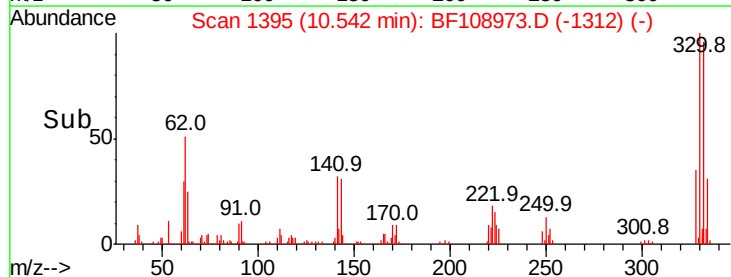
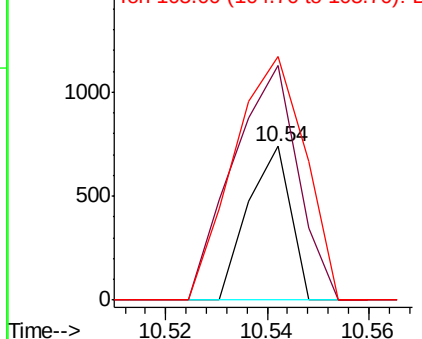


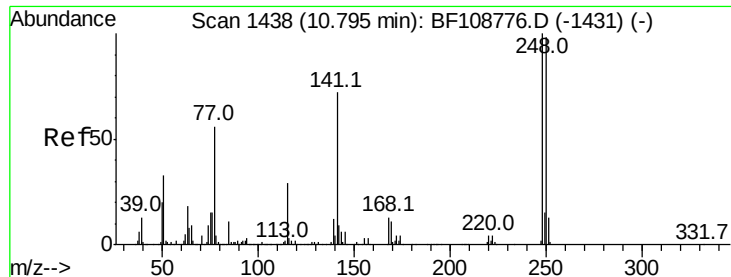
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.068 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. 0.19 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Tgt Ion:198 Resp: 428
 Ion Ratio Lower Upper
 198 100
 51 153.0 37.7 77.7#
 105 158.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 1500
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

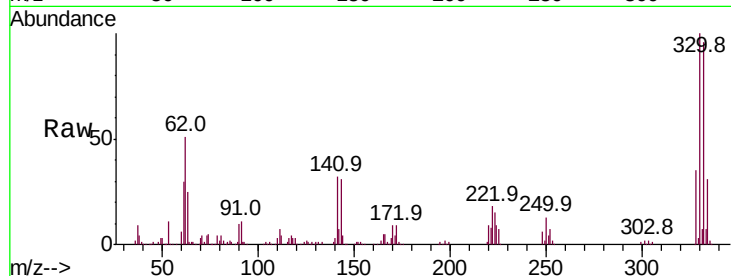




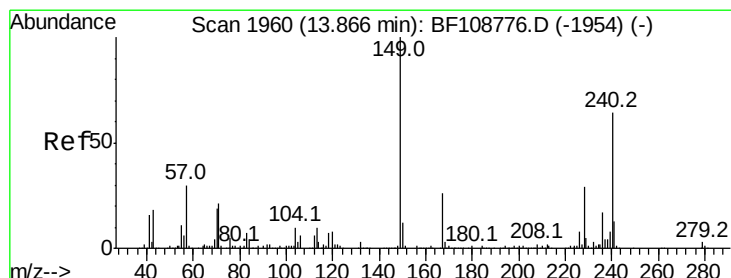
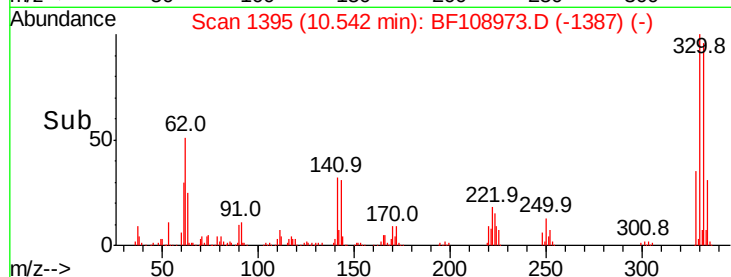
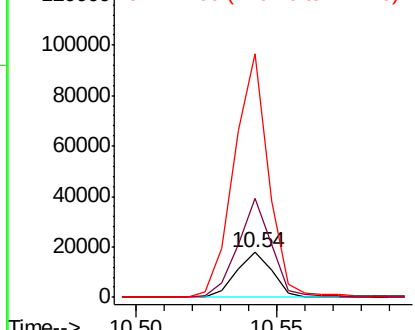
#66
4-Bromophenyl-phenylether
Concen: 2.984 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.25 min
Lab File: BF108973.D
Acq: 13 Sep 2018 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15752
Ion Ratio Lower Upper
248 100
250 219.5 76.9 115.3#
141 541.3 74.4 111.6#

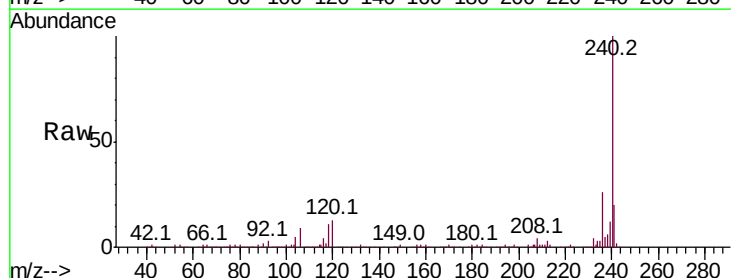


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

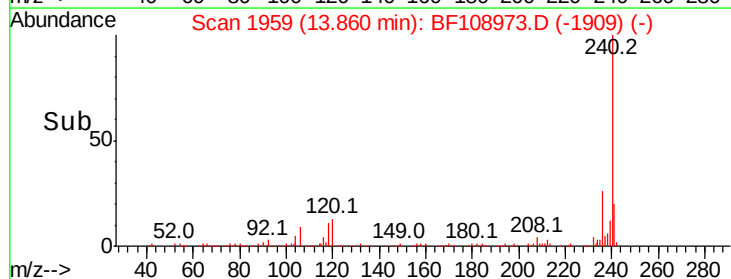
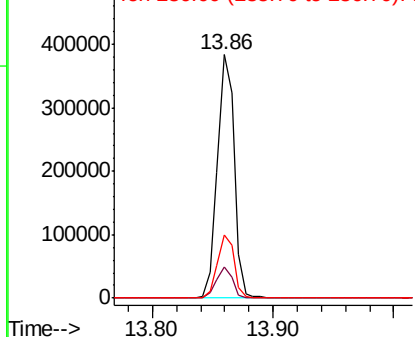


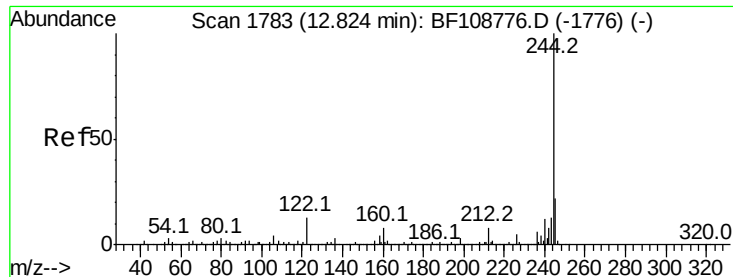
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BF108973.D
Acq: 13 Sep 2018 19:16

Tgt Ion:240 Resp: 364908
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 25.7 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



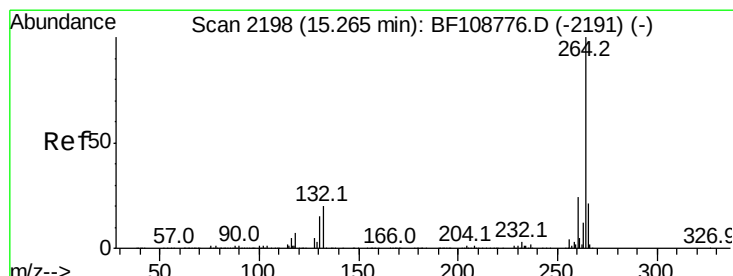
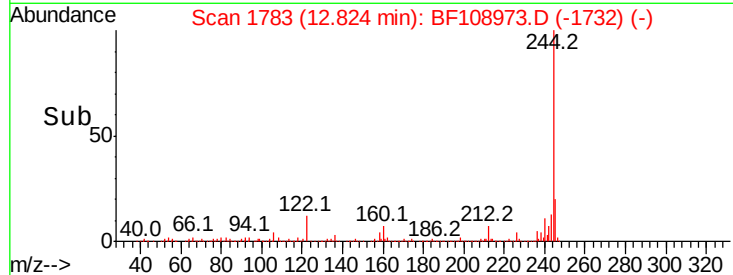
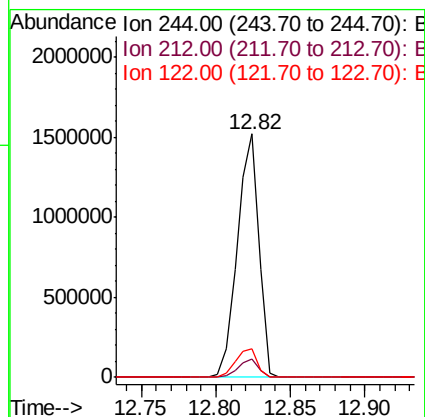
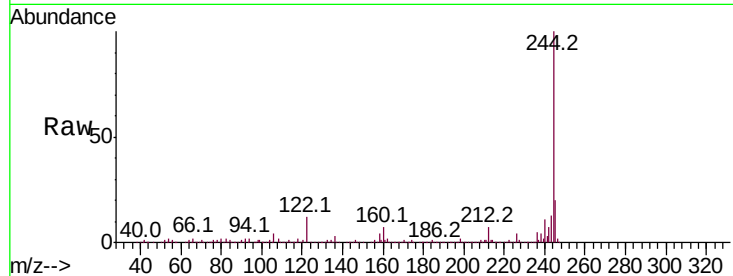


#78
 Terphenyl-d14
 Concen: 98.244 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1537375

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.5	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BF108973.D
 Acq: 13 Sep 2018 19:16

Tgt Ion:264 Resp: 395216

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.5	17.5	26.3

