

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113251.D
 Acq On : 22 Mar 2019 23:03
 Operator : JU/SJ
 Sample : K2034-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:30:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

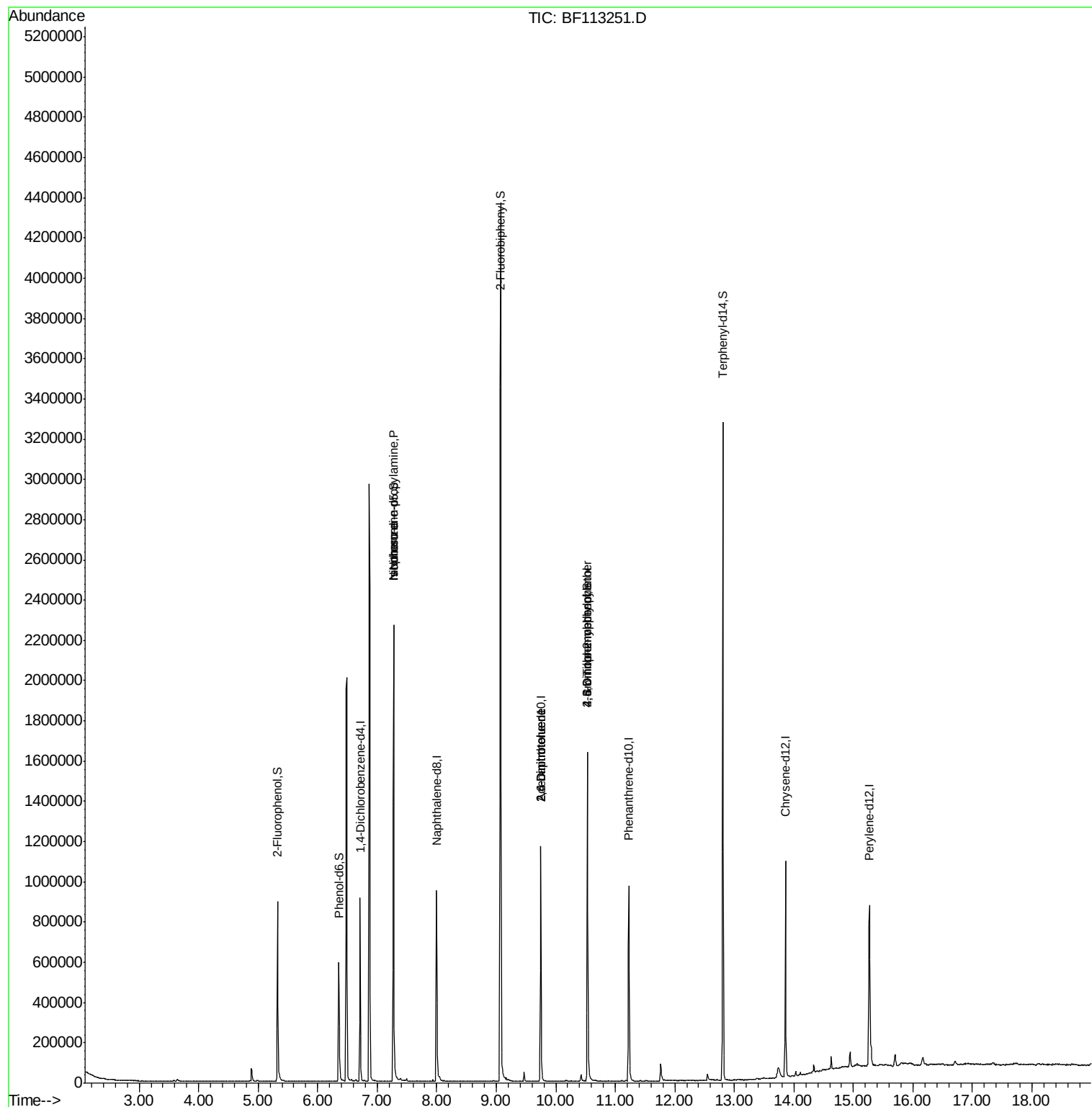
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	144223	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	536874	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	250826	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	415452	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	391315	20.00	ng	-0.01
87) Perylene-d12	15.27	264	397873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	297038	32.04	ng	-0.02
7) Phenol-d6	6.36	99	239422	20.56	ng	-0.02
23) Nitrobenzene-d5	7.27	82	804293	89.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	244572	91.85	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	1475845	103.30	ng	-0.02
79) Terphenyl-d14	12.81	244	1176718	58.29	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	104829	14.212	ng	# 76
25) Isophorone	7.27	82	788940	40.816	ng	# 66
51) 2,6-Dinitrotoluene	9.75	165	31667	8.222	ng	# 18
57) 2,4-Dinitrotoluene	9.75	165	31667	6.615	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.53	198	271	4.756	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	14028	3.206	ng	# 1

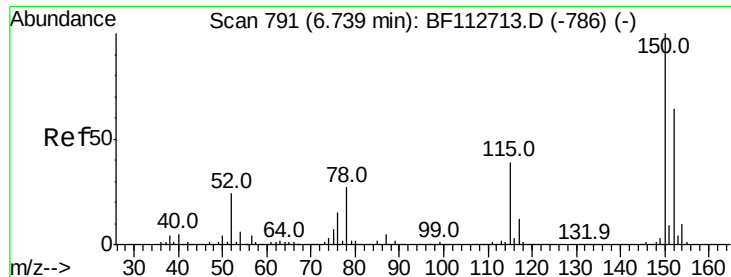
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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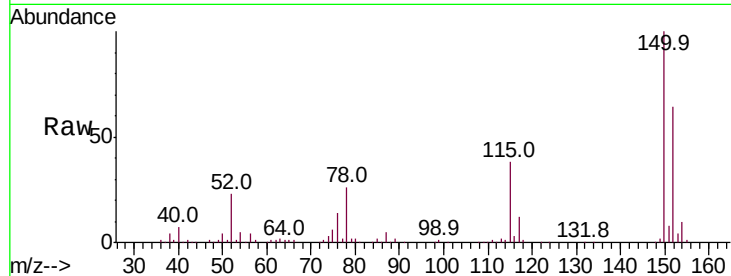


#1

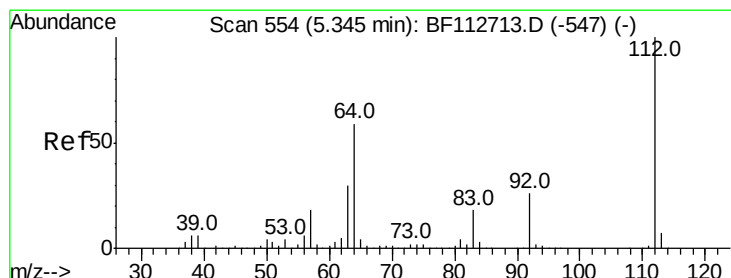
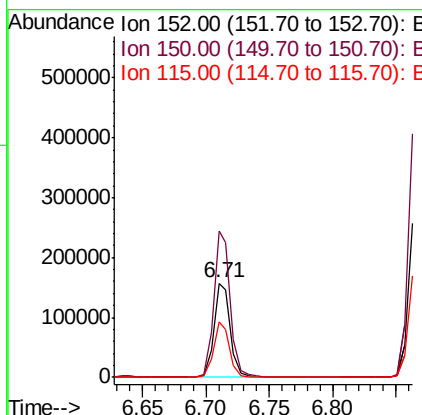
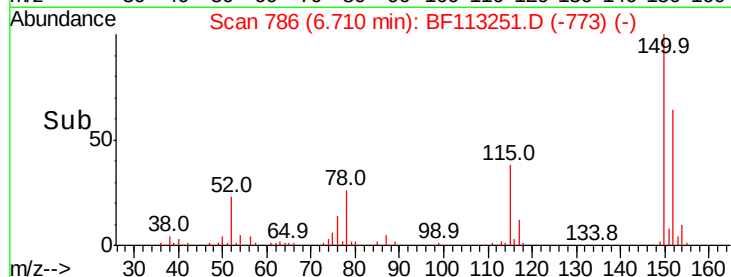
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144223
Ion Ratio Lower Upper
152 100
150 155.7 124.2 186.2
115 58.6 48.2 72.4



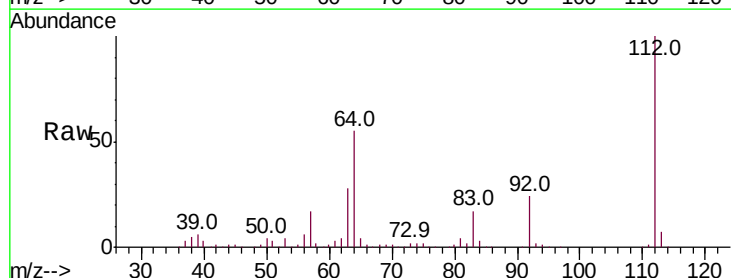
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



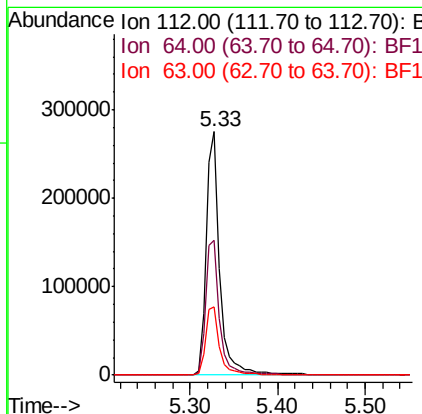
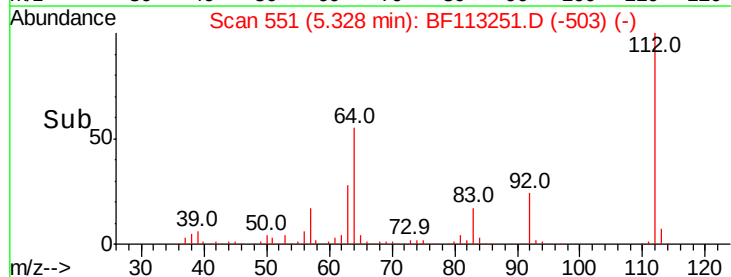
#5

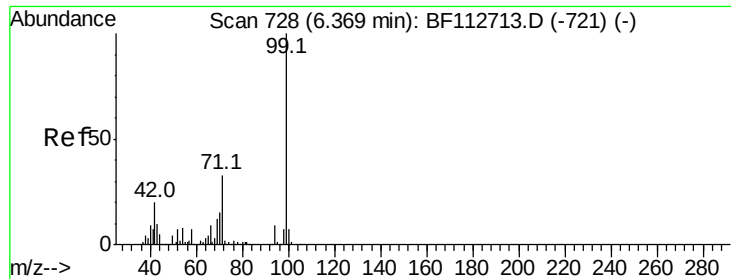
2-Fluorophenol
Concen: 32.038 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Tgt Ion:112 Resp: 297038
Ion Ratio Lower Upper
112 100
64 55.4 47.6 71.4
63 28.0 24.4 36.6



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: 20.557 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113251.D

Acq: 22 Mar 2019 23:03

Instrument :

BNA_F

ClientSampleId :

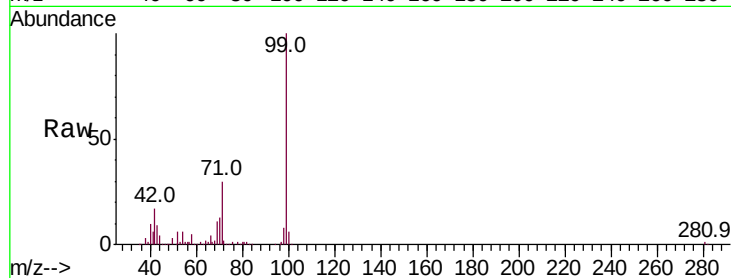
Tot Ion: 99 Resp: 239422

Ion Ratio Lower Upper

99 100

42 16.5 16.3 24.5

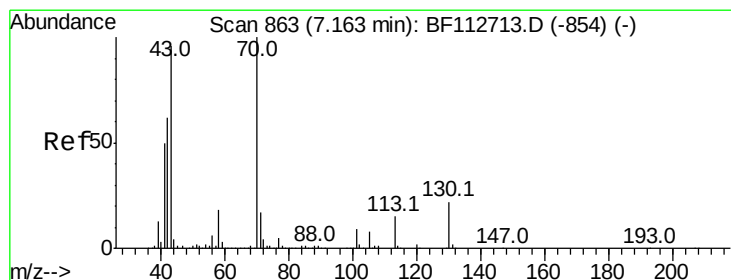
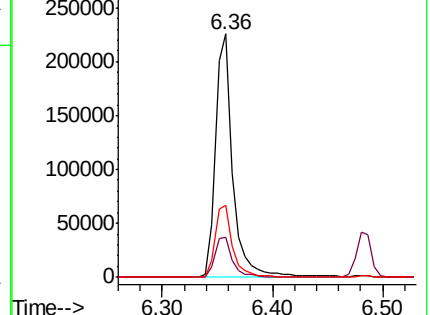
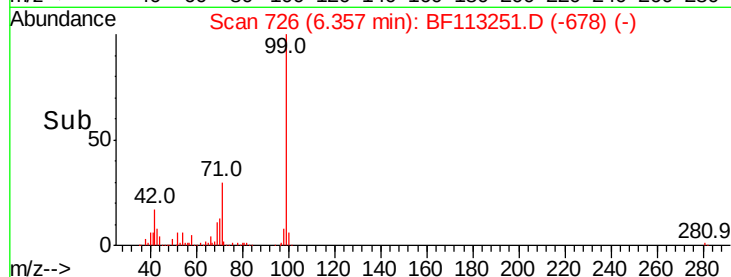
71 29.7 26.2 39.4



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: 14.212 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113251.D

Acq: 22 Mar 2019 23:03

Tgt Ion: 70 Resp: 104829

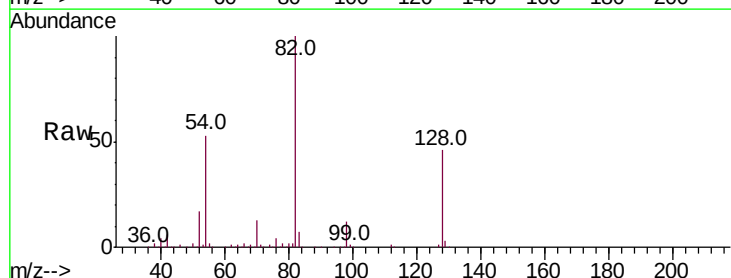
Ion Ratio Lower Upper

70 100

42 48.2 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

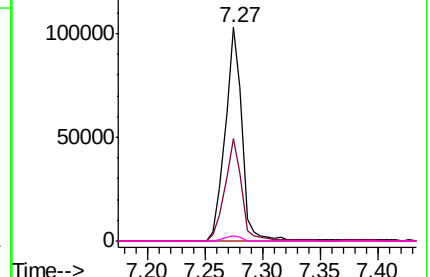
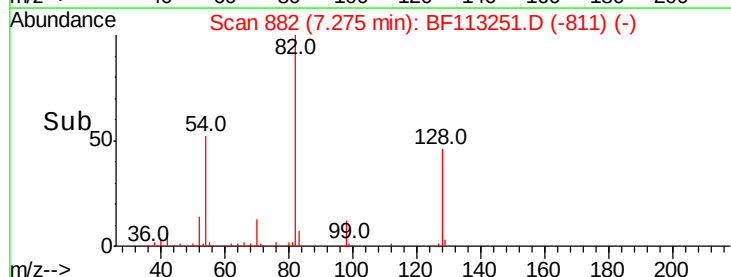


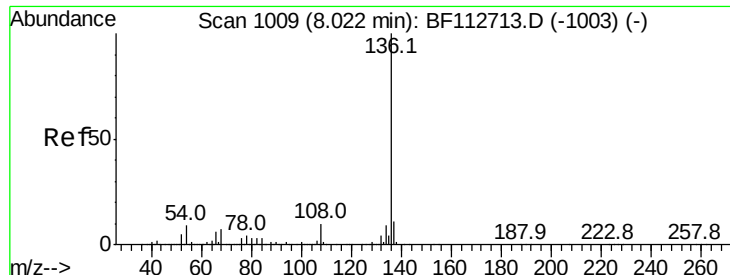
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

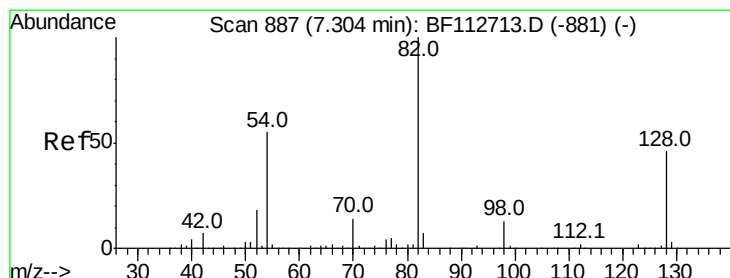
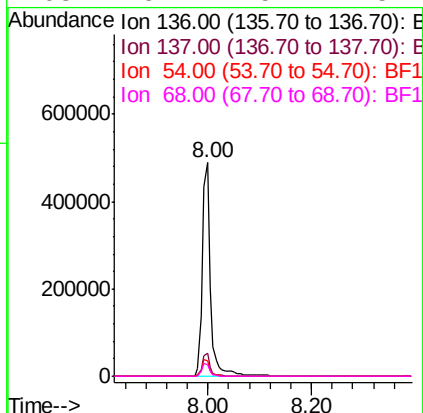
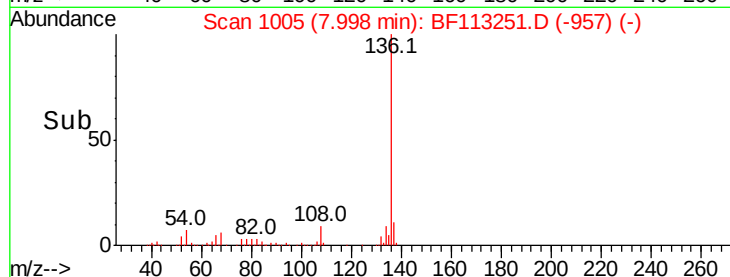
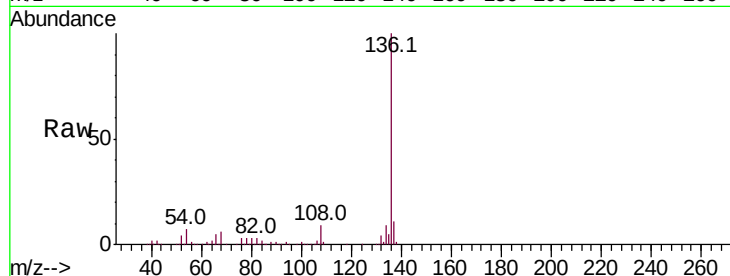




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

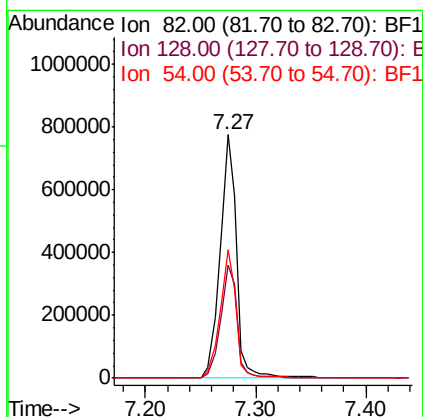
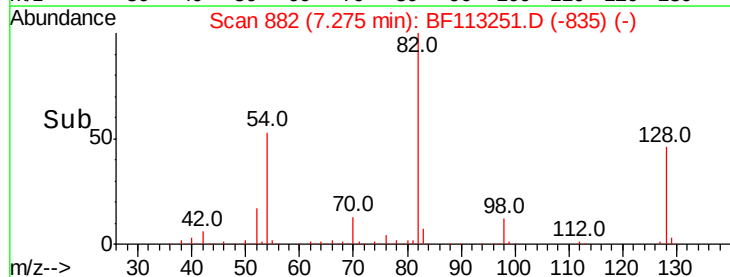
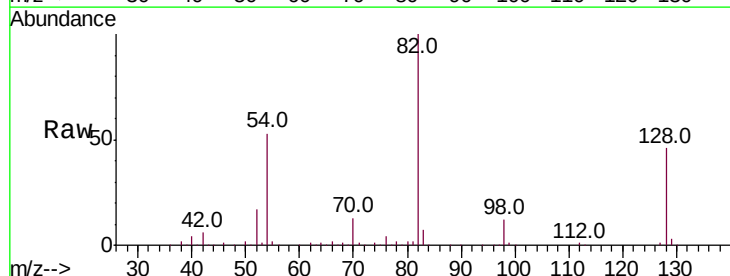
Instrument :
BNA_F
ClientSampleId :

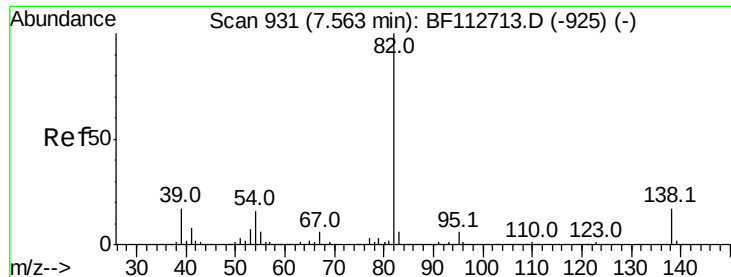
Tot Ion:	136	Resp:	536874
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.5	7.3	10.9
68	5.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 89.643 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Tgt Ion:	82	Resp:	804293
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	52.9	43.7	65.5





#25

Isophorone

Concen: 40.816 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113251.D

Acq: 22 Mar 2019 23:03

Instrument :

BNA_F

ClientSampled :

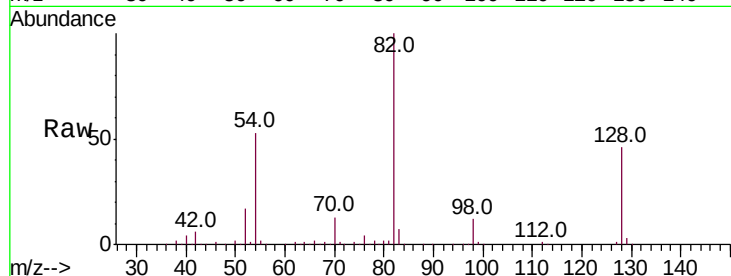
Tot Ion: 82 Resp: 788940

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

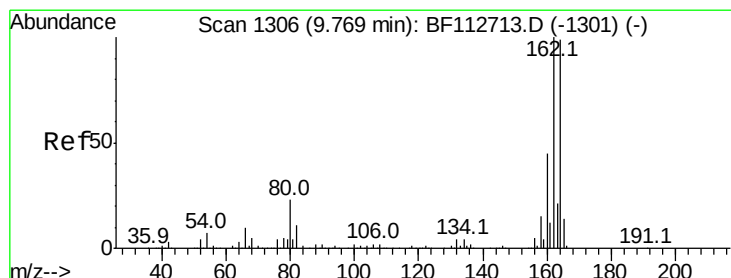
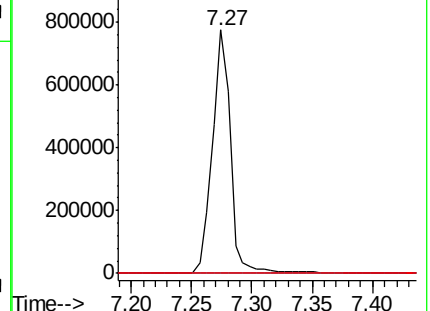
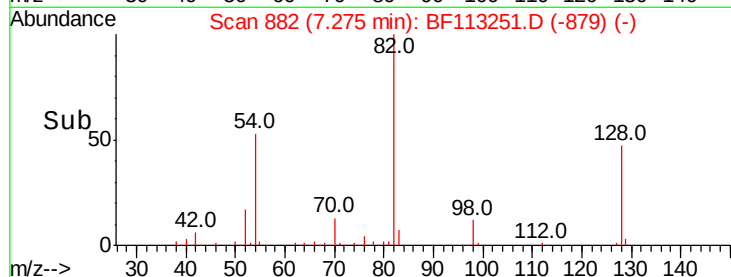
138 0.0 13.8 20.8#



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: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113251.D

Acq: 22 Mar 2019 23:03

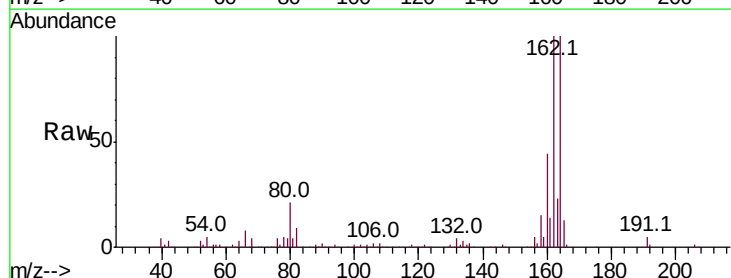
Tgt Ion:164 Resp: 250826

Ion Ratio Lower Upper

164 100

162 99.6 80.6 120.8

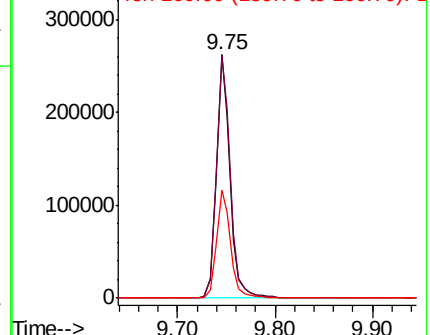
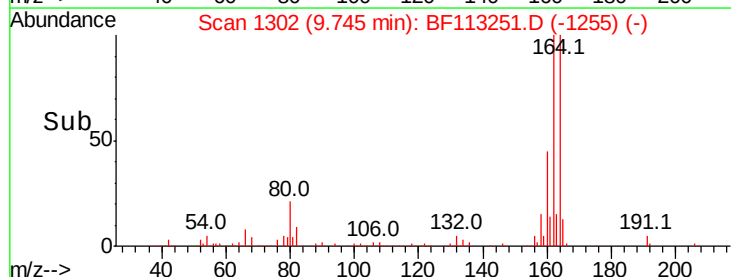
160 44.4 36.0 54.0

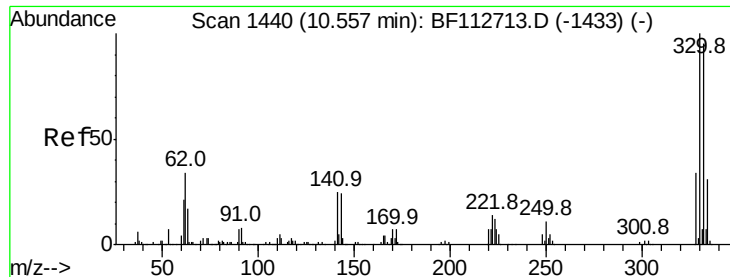


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

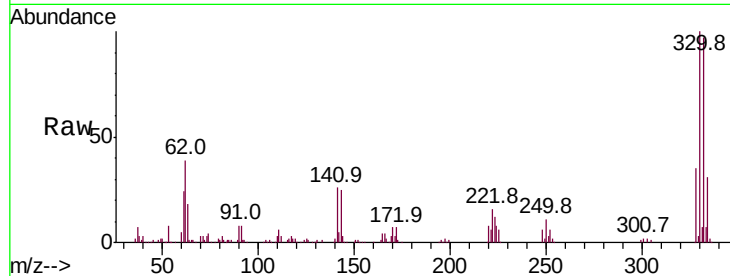




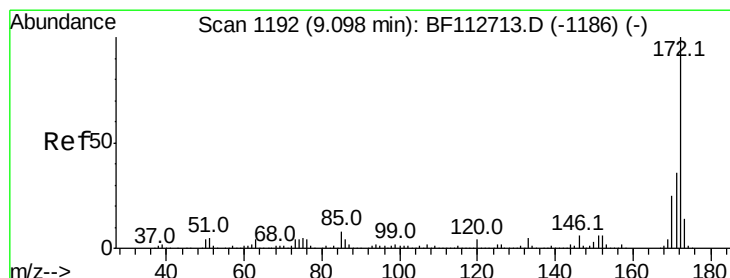
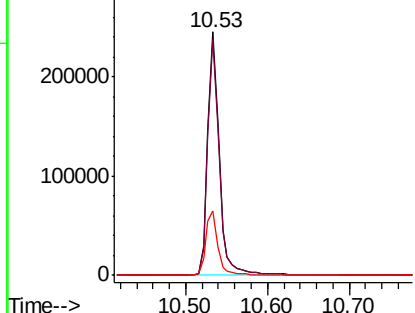
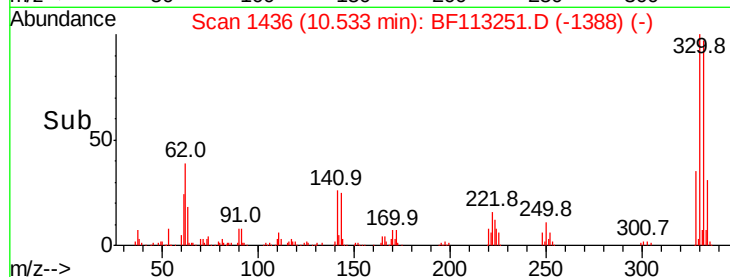
#42
 2,4,6-Tribromophenol
 Concen: 91.847 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF113251.D
 Acq: 22 Mar 2019 23:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 244572
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.2 114.4
 141 27.5 27.0 40.6

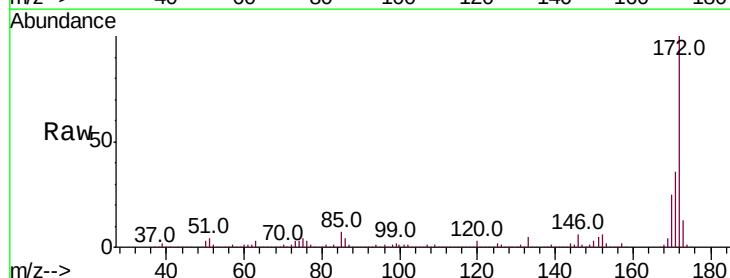


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

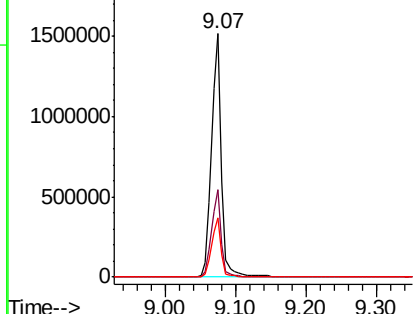
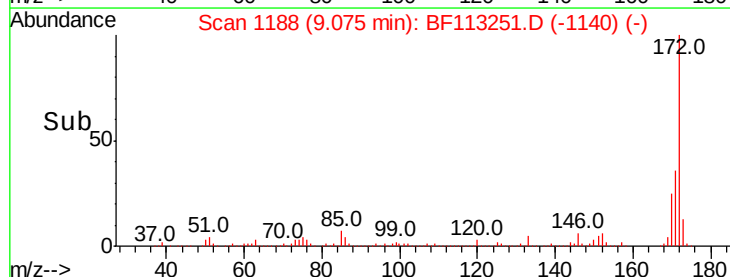


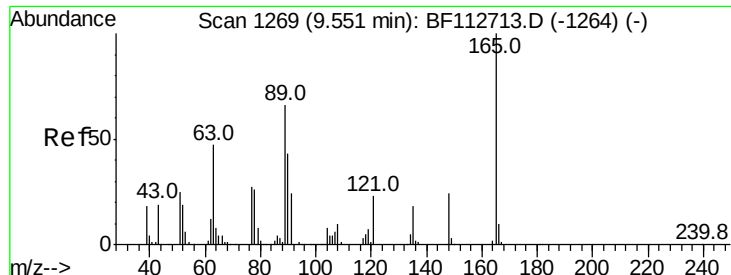
#45
 2-Fluorobiphenyl
 Concen: 103.300 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113251.D
 Acq: 22 Mar 2019 23:03

Tgt Ion:172 Resp: 1475845
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.4
 170 24.6 20.0 30.0



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

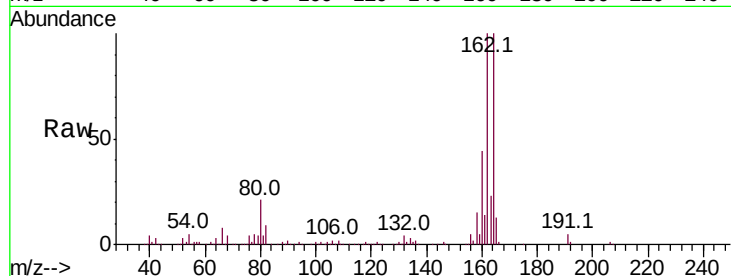




#51
2,6-Dinitrotoluene
Concen: 8.222 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.19 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Instrument :
BNA_F
ClientSampleId :

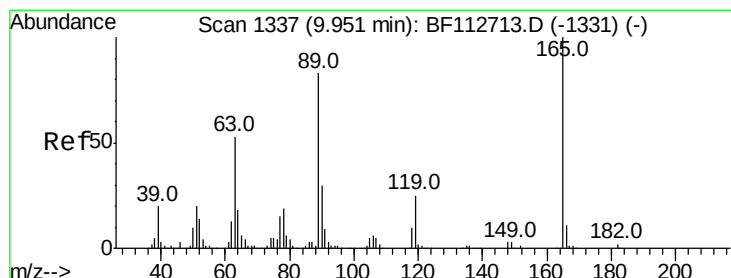
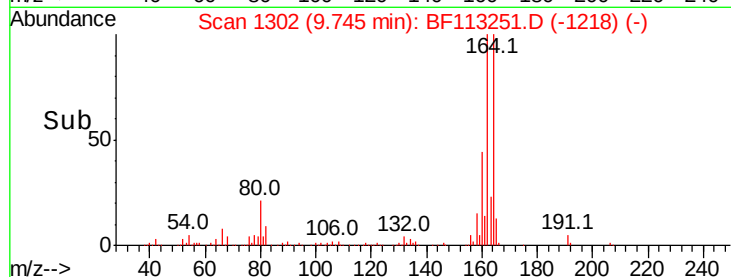
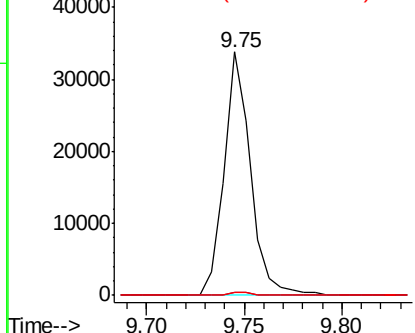
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	54.1	81.1#
89	1.2	52.8	79.2#



Abundance Ion 165.00 (164.70 to 165.70): E

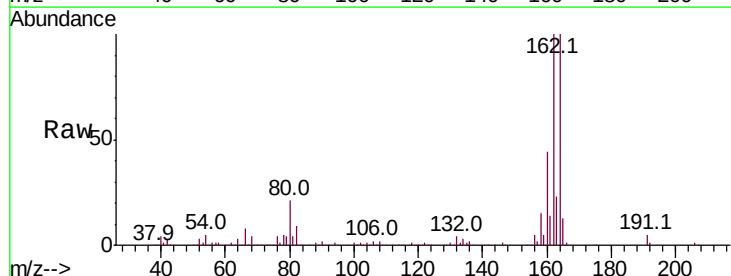
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.615 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.2	63.2#
89	1.2	66.2	99.4#
182	0.0	1.8	2.6#

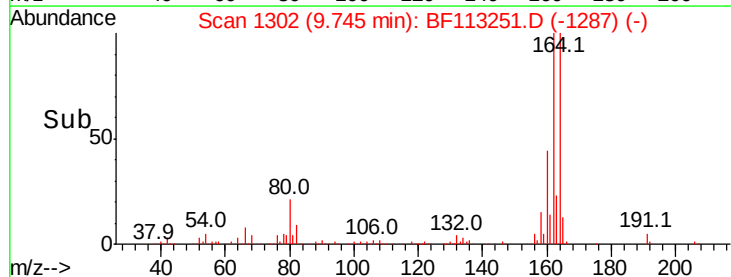
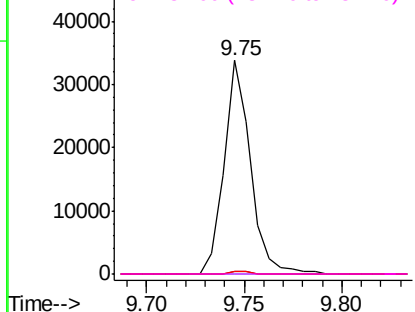


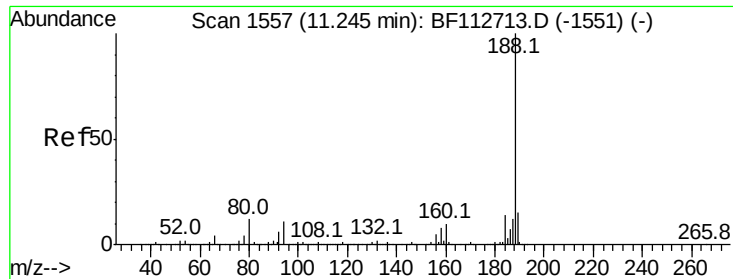
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF113251.D

Acq: 22 Mar 2019 23:03

Instrument :

BNA_F

ClientSampleId :

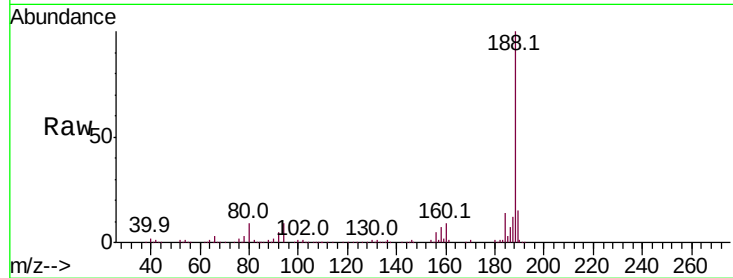
Tot Ion:188 Resp: 415452

Ion Ratio Lower Upper

188 100

94 9.0 9.0 13.4

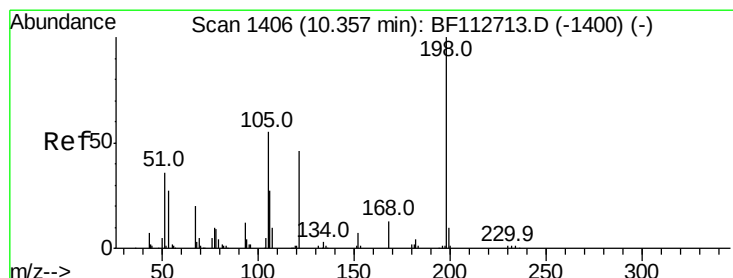
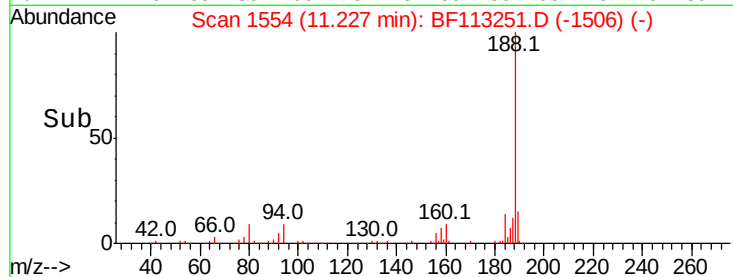
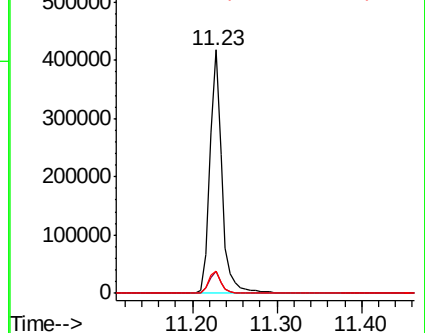
80 9.1 9.2 13.8#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.756 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.17 min

Lab File: BF113251.D

Acq: 22 Mar 2019 23:03

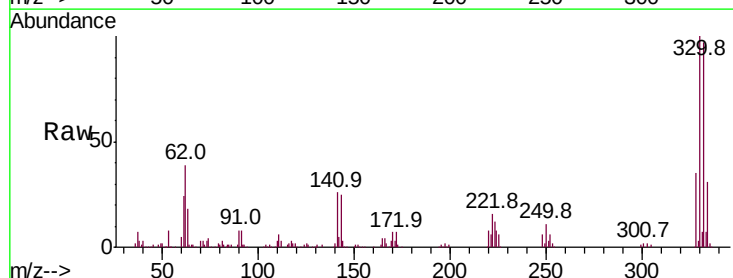
Tgt Ion:198 Resp: 271

Ion Ratio Lower Upper

198 100

51 231.1 43.8 83.8#

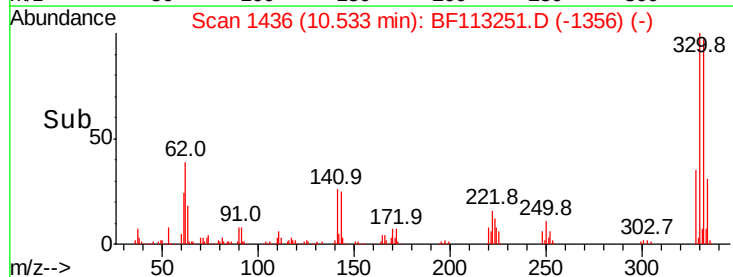
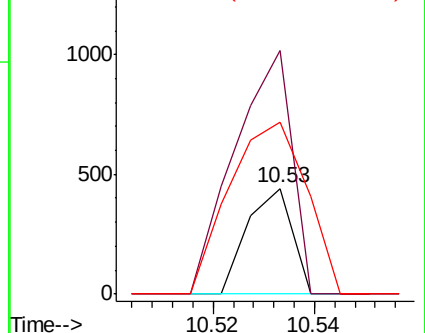
105 163.0 36.5 76.5#

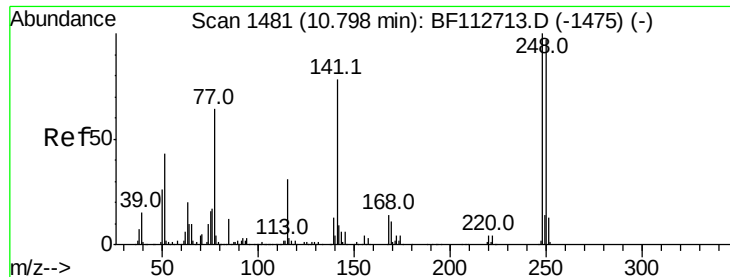


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

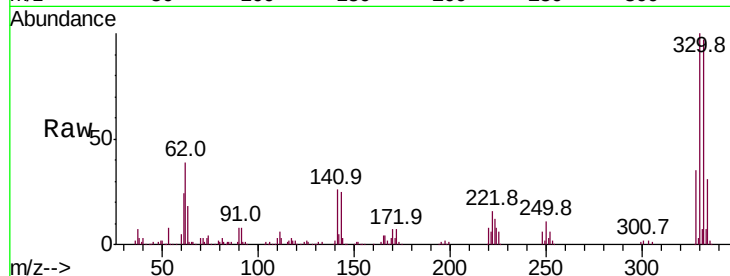




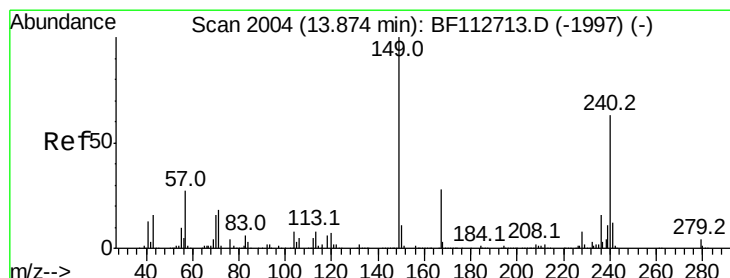
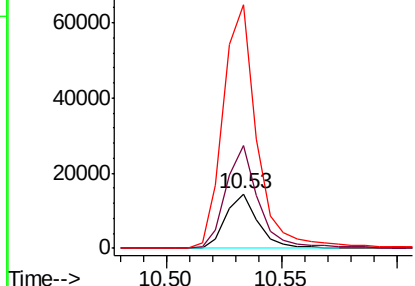
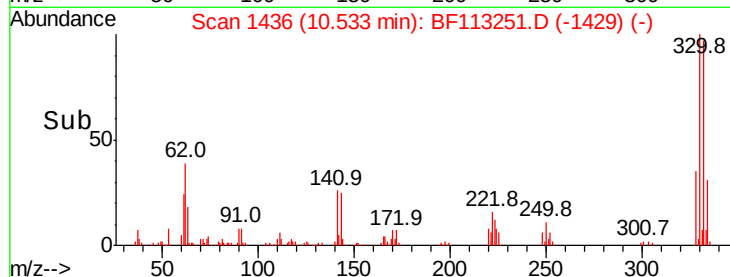
#67
4-Bromophenyl-phenylether
Concen: 3.206 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.26 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14028
Ion Ratio Lower Upper
248 100
250 188.9 77.5 116.3#
141 445.0 62.4 93.6#

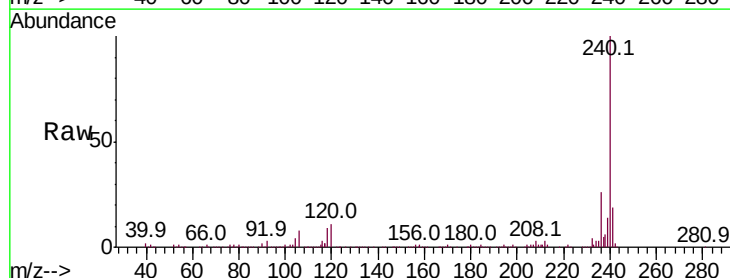


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

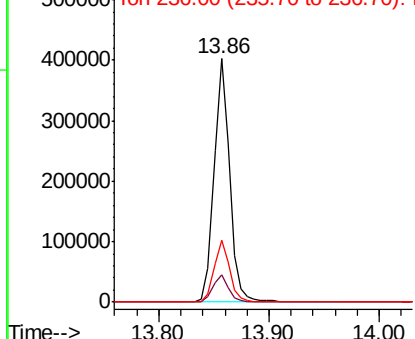
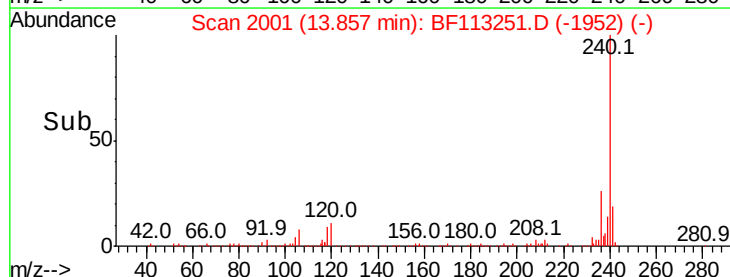


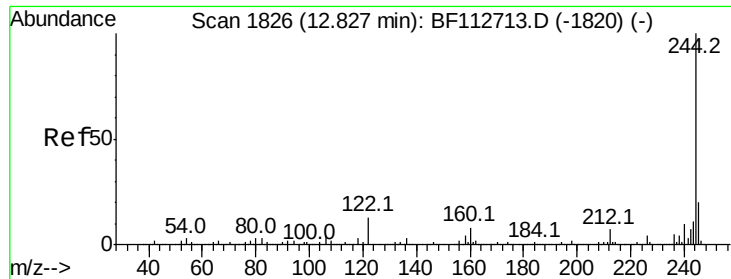
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113251.D
Acq: 22 Mar 2019 23:03

Tgt Ion:240 Resp: 391315
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
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



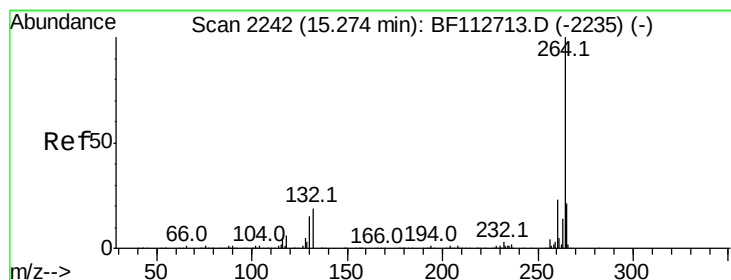
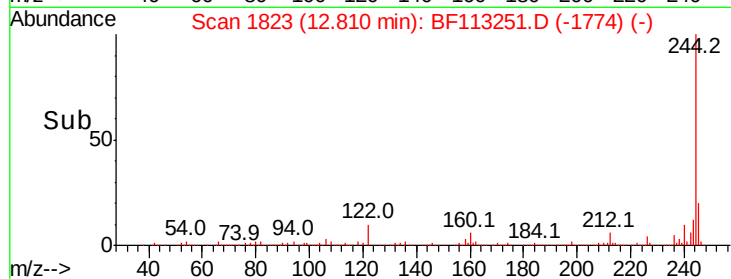
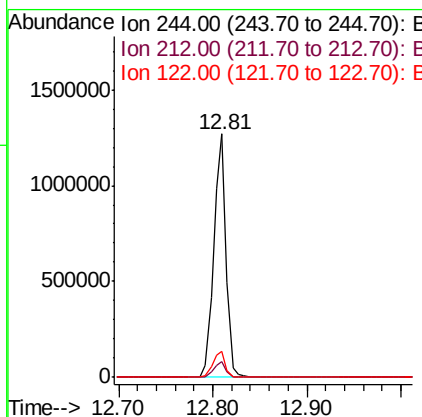
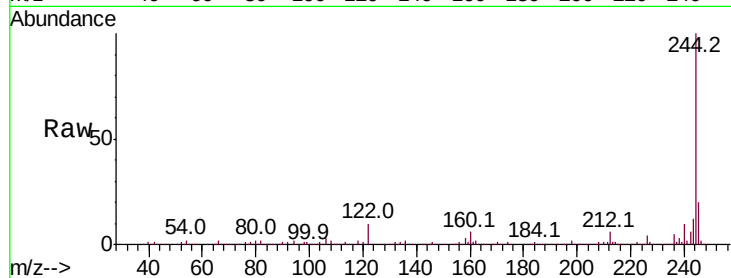


#79
 Terphenyl-d14
 Concen: 58.292 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113251.D
 Acq: 22 Mar 2019 23:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1176718

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.6	8.4
122	10.5	10.5	15.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113251.D
 Acq: 22 Mar 2019 23:03

Tgt Ion:264 Resp: 397873

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.4	17.2	25.8

